Open Source Used In CSPC_Collector 2.9.1

Cisco Systems, Inc.
www.cisco.com

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco website at www.cisco.com/go/offices.

Text Part Number: 78EE117C99-1150542657
This document contains licenses and notices for open source software used in this product. With respect to the free/open source software listed in this document, if you have any questions or wish to receive a copy of any source code to which you may be entitled under the applicable free/open source license(s) (such as the GNU Lesser/General Public License), please contact us at external-opensource-requests@cisco.com.

In your requests please include the following reference number 78EE117C99-1150542657

Contents

1.1 dbus-python 1.2.4 15.el8
   1.1.1 Available under license
1.2 xml-apis 1.3.02
   1.2.1 Available under license
1.3 jaxb-runtime 2.3.0
   1.3.1 Available under license
1.4 taglibs-standard 1.2.5
   1.4.1 Available under license
1.5 jetty-rewrite 9.4.11.v20180605
1.6 osgi-core 6.0.0
   1.6.1 Available under license
1.7 aws-java-sdk-core 1.11.277
   1.7.1 Available under license
1.8 audit 3.0-0.13.20190507g5f58ec40.el8
   1.8.1 Available under license
1.9 spring-beans 2.5.1
   1.9.1 Available under license
1.10 mysql-jdbc 5.1.41
   1.10.1 Available under license
1.11 jersey-server 2.27
   1.11.1 Available under license
1.12 ldb 2.1.3-2.el8
   1.12.1 Available under license
1.13 perl-parent 0.237-1.el8
   1.13.1 Available under license
1.14 perl-lwp-mediatypes 6.02-14.el8
1.14.1 Available under license
1.15 rfkill 2.32.1-17.el8
1.15.1 Available under license
1.16 jdom 1.1.3
1.16.1 Available under license
1.17 authselect 1.1 2.el8
1.17.1 Available under license
1.18 libsgutils 1.44-3.el8
1.18.1 Available under license
1.19 commons-fileupload 1.4
1.19.1 Available under license
1.20 activemq-jaas 5.16.1
1.20.1 Available under license
1.21 hawtbuf 1.11
1.22 elfutils 0.176-5.el8
1.22.1 Available under license
1.23 lz4 1.8.1
1.23.1 Available under license
1.24 spring-framework 4.3.30.RELEASE
1.24.1 Available under license
1.25 telnetd-x 2.1.1
1.25.1 Available under license
1.26 activemq-kahadb-store 5.16.1
1.26.1 Available under license
1.27 commons-logging 1.0.3
1.27.1 Available under license
1.27.2 Available under license
1.28 libjpeg 6b
1.28.1 Available under license
1.28.2 Available under license
1.29 xerces-j 2.7.1
1.29.1 Available under license
1.30 libsigsegv 2.11 5.el8
1.30.1 Available under license
1.31 axiom-dom 1.2.15
1.31.1 Available under license
1.32 libevent 2.1.8 5.el8
1.32.1 Available under license
1.33 tcsh 6.20.00-4.ph2
1.33.1 Available under license

1.34 gnutls 3.6.14
1.34.1 Available under license

1.35 aop-alliance 2.4.0-b34
1.35.1 Available under license

1.36 systemd 239-41.el8_3
1.36.1 Available under license

1.37 libdaemon 0.14-15.el8
1.37.1 Available under license

1.38 python-linux-procsfs 0.6 7.el8
1.38.1 Available under license

1.39 gson 2.3.1
1.39.1 Available under license

1.40 dc 1.4
1.40.1 Available under license

1.41 eclipse-compiler 3.12.3.v20170228-1205
1.41.1 Available under license

1.42 fontconfig 2.13.1 3.el8
1.42.1 Available under license

1.43 jersey-media-json-jackson 2.27
1.43.1 Available under license

1.44 json-c 0.99.8-2.el8
1.44.1 Available under license

1.45 commons-collections 4.4
1.45.1 Available under license

1.46 sed 4.5-1.el8
1.46.1 Available under license

1.47 jetty-proxy 9.4.11.v20180605
1.48 jetty-client 9.4.11.v20180605
1.49 j2objc-annotations 1.1
1.49.1 Available under license

1.50 libutempter 1.1.6 14.el8
1.50.1 Available under license

1.51 job-scheduler 1.6.5
1.51.1 Available under license

1.52 jetty- unixsocket 9.4.11.v20180605
1.53 libxrender 0.9.10 7.el8
1.53.1 Available under license

1.54 gmp 6.1.2
1.75.1 Available under license
1.76 jersey-media-jaxb 2.27
1.77 cyrus-sasl 2.1.27 5.el8
   1.77.1 Available under license
1.78 ding-libs 0.2.1-39.el8
   1.78.1 Available under license
1.79 commons-http-client 3.1
   1.79.1 Available under license
1.80 plymouth 0.9.3-15.el8
   1.80.1 Available under license
1.81 nestedvm 1.0
   1.81.1 Available under license
1.82 lsof 4.91 2.el8
   1.82.1 Available under license
1.83 nss 3.53.1 17.el8_3
   1.83.1 Available under license
1.84 dos2unix 7.4.0 3.el8
   1.84.1 Available under license
1.85 mchange-commons-java 0.2.15
   1.85.1 Available under license
1.86 jaxen-core 1.0-FCS
   1.86.1 Available under license
1.87 jersey-server 1.5
1.88 activation 1.0.0
   1.88.1 Available under license
1.89 resourcelocator 1.0.1
   1.89.1 Available under license
1.90 jersey-common 2.27
   1.90.1 Available under license
1.91 example-async-rest-webapp 9.4.11.v20180605
1.92 checkpolicy 2.9 1.el8
   1.92.1 Available under license
1.93 commons-collections 3.2.2
   1.93.1 Available under license
1.94 xz 5.2.4 3.el8
   1.94.1 Available under license
1.95 python-asn1crypto 0.24.0-1.ph3
   1.95.1 Available under license
1.96 pcool 3.5.6-4.el8
1.96.1 Available under license
1.97 spring-context 2.5.1
  1.97.1 Available under license
1.98 lm-sensors 3.4.0 20.20180522git70f7e08.el8
  1.98.1 Available under license
1.99 aop-alliance 2.5.0-b42
  1.99.1 Available under license
1.100 activemq-jdbc-store 5.15.14
  1.100.1 Available under license
1.101 slf4j 1.7.12
  1.101.1 Available under license
1.102 libteam 1.28-4.el8
  1.102.1 Available under license
1.103 websocket-client 9.4.11.v20180605
1.104 derby 10.14.2.0
  1.104.1 Available under license
1.105 cron-utils 8.0.0
  1.105.1 Available under license
1.106 ion-java 1.0.2
  1.106.1 Available under license
1.107 mpfr 3.1.6 1.el8
  1.107.1 Available under license
1.108 jetty-annotations 9.4.11.v20180605
1.109 http2-server 9.4.11.v20180605
1.110 asm 3.1
  1.110.1 Available under license
1.111 dom-aspects 1.2.20
  1.111.1 Available under license
1.112 activation 1.1
  1.112.1 Available under license
1.113 libtasn 4.13 3.el8
  1.113.1 Available under license
1.114 libdevmapper 2.03.05-5.el8.0.1
  1.114.1 Available under license
1.115 jsp 2.3.FR
  1.115.1 Available under license
1.116 axiom 1.2.15
  1.116.1 Available under license
1.117 perl-thread-queue 3.13-1.el8
<table>
<thead>
<tr>
<th>Package</th>
<th>Version</th>
<th>License</th>
</tr>
</thead>
<tbody>
<tr>
<td>procps</td>
<td>3.3.15 1.el8</td>
<td>Available under license</td>
</tr>
<tr>
<td>eclipse-persistence-core</td>
<td>2.6.4</td>
<td>Available under license</td>
</tr>
<tr>
<td>perl-uri</td>
<td>1.73-3.el8</td>
<td>Available under license</td>
</tr>
<tr>
<td>asm</td>
<td>3.3.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>persistence-core</td>
<td>2.6.4.v20160829-44060b6</td>
<td>Available under license</td>
</tr>
<tr>
<td>derbylocale-it</td>
<td>10.14.2.0</td>
<td>Available under license</td>
</tr>
<tr>
<td>tiger-types</td>
<td>1.4</td>
<td>Available under license</td>
</tr>
<tr>
<td>nghttp2</td>
<td>1.33.0 3.el8_2.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>derbylocale-zh-cn</td>
<td>10.14.2.0</td>
<td>Available under license</td>
</tr>
<tr>
<td>mailx</td>
<td>12.5 29.el8</td>
<td>Available under license</td>
</tr>
<tr>
<td>logback-core</td>
<td>1.2.3</td>
<td>Available under license</td>
</tr>
<tr>
<td>isorelax</td>
<td>20031010</td>
<td>Available under license</td>
</tr>
<tr>
<td>jersey</td>
<td>1.9.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>commons-io</td>
<td>2.5</td>
<td>Available under license</td>
</tr>
<tr>
<td>dmidecode</td>
<td>3.2 3.el8</td>
<td>Available under license</td>
</tr>
<tr>
<td>jetty-alpn-conscrypt-server</td>
<td>9.4.11.v20180605</td>
<td>Available under license</td>
</tr>
<tr>
<td>jersey-hk2</td>
<td>2.27</td>
<td>Available under license</td>
</tr>
<tr>
<td>javax-ws-rs-api</td>
<td>2.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>om-aspects</td>
<td>1.2.20</td>
<td>Available under license</td>
</tr>
<tr>
<td>activemq-spring</td>
<td>5.15.14</td>
<td>Available under license</td>
</tr>
</tbody>
</table>
1.138 google-http-client 1.22.0
1.139 jersey-entity-filtering 2.27
   1.139.1 Available under license
1.140 jaxen 1.0.0
   1.140.1 Available under license
1.141 fuse 2.9.7 12.el8
   1.141.1 Available under license
1.142 perl-crypt-random-tesha 0.01-1.gf.el8
   1.142.1 Available under license
1.143 google-api-services-cloudkms v1-rev9-1.22.0
   1.143.1 Available under license
1.144 ethtool 5.0 2.el8
   1.144.1 Available under license
1.145 p11-kit 0.23.14-5.el8_0
   1.145.1 Available under license
1.146 jaxb-core 2.3.0
1.147 tac-plus 4.0.4.26-1.el6.nux
   1.147.1 Available under license
1.148 isns-utils 0.99 1.el8
   1.148.1 Available under license
1.149 perl-html-parser 3.72-14.el8
   1.149.1 Available under license
1.150 saxon 9.3.0.4
   1.150.1 Available under license
1.151 derbylocale-hu 10.14.2.0
   1.151.1 Available under license
1.152 libpng 1.6.34 5.el8
   1.152.1 Available under license
1.153 expect 5.45.4 5.el8
   1.153.1 Available under license
1.154 grep 3.1 6.el8
   1.154.1 Available under license
1.155 jackson 2.11.1
   1.155.1 Available under license
1.156 ding-libs 0.5.0-39.el8
   1.156.1 Available under license
1.157 eclipse-persistence-asm 2.6.4
   1.157.1 Available under license
1.158 python-rpm-generators 5-4.el8
1.158.1 Available under license
1.159 httpcomponents-client 4.2
   1.159.1 Available under license
1.160 libmetalink 0.1.3 7.el8
   1.160.1 Available under license
1.161 json-c 0.13.1
   1.161.1 Available under license
1.162 zopfli 2.4-2.el8
   1.162.1 Available under license
1.163 attr 2.4.48 3.el8
   1.163.1 Available under license
1.164 firewalld 0.7.0-5.el8
   1.164.1 Available under license
1.165 apache-servicemix-bundles-antlr 2.7.7_5
   1.165.1 Available under license
1.166 sg3-utils 1.44 3.el8
   1.166.1 Available under license
1.167 commons-cli 1.0
   1.167.1 Available under license
1.168 perl-socket 2.027 3.el8
   1.168.1 Available under license
1.169 libnetfilter-conntack 1.0.6 5.el8
   1.169.1 Available under license
1.170 dash 0.5.10.2-4.el8
   1.170.1 Available under license
1.171 websocket 1.1.FR
   1.171.1 Available under license
1.172 squashfs-tools 4.3 19.el8
   1.172.1 Available under license
1.173 servlet-api 1.0
   1.173.1 Available under license
1.174 util-linux 2.32.1
   1.174.1 Available under license
1.175 libvmtools 11.1.0-2.el8
   1.175.1 Available under license
1.176 txw2 2.3.0
   1.176.1 Available under license
1.177 derbyoptionaltools 10.14.2.0
   1.177.1 Available under license
1.178 hawtdispatch 1.11
1.179 geronimo-annotation-spec 1.1.1
    1.179.1 Available under license
1.180 acl 2.2.53-1.el8
    1.180.1 Available under license
1.181 httpcomponents-mime 4.5.2
    1.181.1 Available under license
1.182 log4j-api 2.14.0
    1.182.1 Available under license
1.183 perl-xml-parser 2.44-11.el8
    1.183.1 Available under license
1.184 ding-libs 0.7.0-39.el8
    1.184.1 Available under license
1.185 perl-carp 1.42-396.el8
    1.185.1 Available under license
1.186 selinux-policy 3.14.3 20.el8
    1.186.1 Available under license
1.187 dejavu-fonts 2.35 6.el8
    1.187.1 Available under license
1.188 guava 5-17.0
    1.188.1 Available under license
1.189 axis-jaxrpc 1.2.1
    1.189.1 Available under license
1.190 subscription-manager 1.25.17 1.el8
    1.190.1 Available under license
1.191 binutils 2.30-79.el8
    1.191.1 Available under license
1.192 isl 0.16.1-6.el8
    1.192.1 Available under license
1.193 curl 7.61.1
    1.193.1 Available under license
1.194 perl-pod-escapes 1.07-395.el8
    1.194.1 Available under license
1.195 jersey-container-servlet 2.26
1.196 websocket-servlet 9.4.11.v20180605
1.197 selinux 2.9-2.1.el8
    1.197.1 Available under license
1.198 commons-pool 2.7.0
    1.198.1 Available under license
1.199 jersey 1.5
   1.199.1 Available under license
1.200 api-ldap-extras-trigger 1.0.2
   1.200.1 Available under license
1.201 setup 2.12.2-2.el8_1.1
   1.201.1 Available under license
1.202 gpgme 1.10.0 6.el8.0.1
   1.202.1 Available under license
1.203 libmaxminddb 1.2.0-7.el8
   1.203.1 Available under license
1.204 commons Logging 1.0.4
   1.204.1 Available under license
1.205 jasypt 1.9.3
   1.205.1 Available under license
1.206 sqlite 3.32.3
   1.206.1 Available under license
1.207 fcgi-client 9.4.11.v20180605
1.208 jersey-media-jaxb 2.26
1.209 log-rotate 3.14.0 3.el8
   1.209.1 Available under license
1.210 javax-mail-glassfish 1.4.1.v201005082020
   1.210.1 Available under license
1.211 commons-codec 1.7
   1.211.1 Available under license
1.212 servlet-api 2.3
   1.212.1 Available under license
1.213 tomcat-servlet-api 8.5.3
   1.213.1 Available under license
1.214 activemq-mqtt 5.16.1
   1.214.1 Available under license
1.215 jetty-xml 9.4.11.v20180605
1.216 kerberos 1.17-9.el8
   1.216.1 Available under license
1.217 jetty-infinispan 9.4.11.v20180605
1.218 xml-apis 1.3.04
   1.218.1 Available under license
1.219 sqlite 3.23.1
   1.219.1 Available under license
1.220 xstream 1.3.1
1.221 lz4-java 1.4
1.222 activemq 5.16.1
  1.222.1 Available under license
1.223 fping 4.2-2.epel8.playground
  1.223.1 Available under license
1.224 cronie 1.5.2 4.el8
  1.224.1 Available under license
1.225 jsoup 1.11.3
  1.225.1 Available under license
1.226 kexec-tools 2.0.20 14.el8
  1.226.1 Available under license
1.227 libusbx 1.0.22 1.el8
  1.227.1 Available under license
1.228 lzo 2.08-14.el8
  1.228.1 Available under license
1.229 hk2-utils 2.5.0-b42
1.230 python-configobj 5.0.6 11.el8
  1.230.1 Available under license
1.231 linux-firmware 8.83.5.1_1-94.el8.1
  1.231.1 Available under license
1.232 perl-net-http 6.17-2.el8
  1.232.1 Available under license
1.233 diffutils 3.6 5.el8
  1.233.1 Available under license
1.234 commons-digester 3.2
  1.234.1 Available under license
1.235 fipscheck 1.5.0 4.el8
  1.235.1 Available under license
1.236 util-linux 2.32.1 17.el8
  1.236.1 Available under license
1.237 tomcat-catalina 7.0.70
  1.237.1 Available under license
1.238 ant-contrib 1.0.0
  1.238.1 Available under license
1.239 perl-threads-shared 1.58-2.el8
  1.239.1 Available under license
1.240 perl-crypt-random-seed 0.03-1.gf.el8
  1.240.1 Available under license
1.241 mariadb 10.4.17
1.241.1 Available under license
1.242 asm-commons 6.2
    1.242.1 Available under license
1.243 json-java 1.0.0
    1.243.1 Available under license
1.244 spring-context-support 4.3.30.RELEASE
    1.244.1 Available under license
1.245 libxcb 1.13 5.el8
    1.245.1 Available under license
1.246 joda-time 2.9.9
    1.246.1 Available under license
1.247 json-simple 1.1
    1.247.1 Available under license
1.248 jetty-jaspi 9.4.11.v20180605
1.249 mail 1.4.1
    1.249.1 Available under license
1.250 commons-lang3 2.5
    1.250.1 Available under license
1.251 bcel 2.6.0
    1.251.1 Available under license
1.252 axis-ant 1.3
1.253 aop-alliance 1.0
    1.253.1 Available under license
1.254 minizip 1.01
    1.254.1 Available under license
1.255 kerberos 1.18.2 5.el8
    1.255.1 Available under license
1.256 cifs-utils 6.8 3.el8
    1.256.1 Available under license
1.257 perl-constant 1.33-396.el8
    1.257.1 Available under license
1.258 perl-bytes-random-secure 0.29-1.gf.el8
    1.258.1 Available under license
1.259 tomcat 7.0.70
    1.259.1 Available under license
1.260 commons-pool 1.4
    1.260.1 Available under license
1.261 iscsi-initiator-utils 6.2.0.877 1.gitf71581b.el8
    1.261.1 Available under license
1.262 commons-dbcp 1.4  
1.262.1 Available under license

1.263 activemq-jms-pool 5.15.14  
1.263.1 Available under license

1.264 xalan 2.7.0  
1.264.1 Available under license

1.265 crda 3.18_2018.05.31 3.el8  
1.265.1 Available under license

1.266 axiom 1.2.20  
1.266.1 Available under license

1.267 less 530-1.el8  
1.267.1 Available under license

1.268 libmysqlclient 8.0.21-1.module_el8.2.0+493+63b41e36  
1.268.1 Available under license

1.269 ipset 7.1 1.el8  
1.269.1 Available under license

1.270 e2fsprogs 1.45.6  
1.270.1 Available under license

1.271 libtiff 4.0.9-18.el8  
1.271.1 Available under license

1.272 json-java 20090211  
1.272.1 Available under license

1.273 sshpass 1.06-9.epel8.playground  
1.273.1 Available under license

1.274 libxkbcommon 0.9.1 1.el8  
1.274.1 Available under license

1.275 systemd-shim 239-31.el8_2.2  
1.275.1 Available under license

1.276 lvm2 1.02.163-5.el8.0.1  
1.276.1 Available under license

1.277 libseccomp 2.4.1 1.el8  
1.277.1 Available under license

1.278 appengine-endpoints-deps 1.9.28  
1.278.1 Available under license

1.279 man-db 2.7.6.1 17.el8  
1.279.1 Available under license

1.280 file 5.33 13.el8  
1.280.1 Available under license

1.281 xalan 2.6.0
1.281.1 Available under license
1.282 linux-firmware 228.61.2.24-94.el8.1
   1.282.1 Available under license
1.283 protobuf-java 3.5.1
1.284 gwt-crypto 2.3.0
1.285 openssl 1.1.1g
   1.285.1 Available under license
1.286 animal-sniffer-annotation 1.14
1.287 spring-jdbc 4.3.30.RELEASE
   1.287.1 Available under license
1.288 linux-firmware 9.221.4.1-94.el8.1
   1.288.1 Available under license
1.289 open-ldap 2.4.46 11.el8_1
   1.289.1 Available under license
1.290 camel-jms 2.25.2
   1.290.1 Available under license
1.291 perl-io-html 1.001-10.el8
   1.291.1 Available under license
1.292 perl-xml-sax-base 1.09-4.el8
   1.292.1 Available under license
1.293 passwd 0.80 2.el8
   1.293.1 Available under license
1.294 spring-tx 4.3.30.RELEASE
   1.294.1 Available under license
1.295 javax-annotation-api 1.2.FR
   1.295.1 Available under license
1.296 oro 2.0.8
1.297 libsemanage 2.9 1.el8
   1.297.1 Available under license
1.298 spidermonkey 60.9.0 4.el8
   1.298.1 Available under license
1.299 bean-validation-api 1.1.0.Final
1.300 acl 2.2.53 1.el8
   1.300.1 Available under license
1.301 sqlite 3.34.0
   1.301.1 Available under license
1.302 transformer 2.6.4
   1.302.1 Available under license
1.303 zip 3.0 23.el8
1.303.1 Available under license
1.304 activemq-camel 5.16.1
   1.304.1 Available under license
1.305 jersey-hk2 2.26
1.306 perl-time-local 1.280 1.el8
   1.306.1 Available under license
1.307 httpcomponents-core 4.0.1
   1.307.1 Available under license
1.308 derbylocale-pt-br 10.14.2.0
   1.308.1 Available under license
1.309 chrony 3.5 1.el8
   1.309.1 Available under license
1.310 commons-pool 1.6
   1.310.1 Available under license
1.311 brotli 1.0.6-1.el8
   1.311.1 Available under license
1.312 jzlib 1.0.7
   1.312.1 Available under license
1.313 appengineapisdk 1.9.34
   1.313.1 Available under license
1.314 dhcp 4.3.6 41.el8
   1.314.1 Available under license
1.315 perl-lwp-protocol-https 6.07-4.el8
   1.315.1 Available under license
1.316 hawtbuf 1.9
1.317 python-pyasn1 0.3.7-6.el8
   1.317.1 Available under license
1.318 tdb 1.4.3-1.el8
   1.318.1 Available under license
1.319 apache-jsp 9.4.11.v20180605
1.320 perl-mime-base64 3.15 396.el8
   1.320.1 Available under license
1.321 xml-utils 1.2.20
   1.321.1 Available under license
1.322 activemq-client 5.15.14
   1.322.1 Available under license
1.323 jackson-mapper 1.8.2
   1.323.1 Available under license
1.324 mina 2.0.18
1.324.1 Available under license
1.325 perl-pod-perldoc 3.28 396.el8
   1.325.1 Available under license
1.326 javax-inject 1
   1.326.1 Available under license
1.327 attr 2.4.48-3.el8
   1.327.1 Available under license
1.328 api-ldap-extras-codec-api 1.0.2
   1.328.1 Available under license
1.329 libpcap 1.9.0 3.el8
   1.329.1 Available under license
1.330 activemq-stomp 5.16.1
   1.330.1 Available under license
1.331 geolite2 20180605-1.el8
   1.331.1 Available under license
1.332 iw 4.14 5.el8
   1.332.1 Available under license
1.333 datatype 1.3.02
   1.333.1 Available under license
1.334 kafka-clients 1.0.0
   1.334.1 Available under license
1.335 vixie-cron 1.5.2-4.el8
   1.335.1 Available under license
1.336 commons-lang3 3.3.2
   1.336.1 Available under license
1.337 commons-discovery 0.2
   1.337.1 Available under license
1.338 activemq-jaas 5.16.0
   1.338.1 Available under license
1.339 derbynet 10.14.2.0
   1.339.1 Available under license
1.340 axiom-jaxb 1.2.15
   1.340.1 Available under license
1.341 libgpg-error 1.31 1.el8
   1.341.1 Available under license
1.342 bcmail-jdk14 1.48
   1.342.1 Available under license
1.343 activemq-jms-pool 5.16.1
   1.343.1 Available under license
1.344 grub2 2.02-90.el8
   1.344.1 Available under license
1.345 texinfo 6.5 4.el8
   1.345.1 Available under license
1.346 api-util 1.0.2
   1.346.1 Available under license
1.347 spring-tx 2.5.1
   1.347.1 Available under license
1.348 jetty-alpn-java-server 9.4.11.v20180605
1.349 log4j-api 2.13.3
   1.349.1 Available under license
1.350 tunctl 1.5 3.el6
   1.350.1 Available under license
1.351 snappy 1.1.7 5.el8
   1.351.1 Available under license
1.352 psmisc 23.1 3.el8
   1.352.1 Available under license
1.353 httpcomponents-httpmime 4.0.1
   1.353.1 Available under license
1.354 gzip 1.9 9.el8
   1.354.1 Available under license
1.355 python-cryptography 2.3 3.el8
   1.355.1 Available under license
1.356 sqlite-jdbc 3.34.0
   1.356.1 Available under license
1.357 iproute 5.3.0 1.el8
   1.357.1 Available under license
1.358 httpcomponents-httpclient 4.2
   1.358.1 Available under license
1.359 eclipse-persistence-moxy 2.6.4
   1.359.1 Available under license
1.360 wstx-asl 3.2.7
1.361 libmpc 1.0.2-9.el8
   1.361.1 Available under license
1.362 api-ldap-net-mina 1.0.2
   1.362.1 Available under license
1.363 irqbalance 1.4.0 4.el8
   1.363.1 Available under license
1.364 linux-kernel 4.18.0-147.el8
1.364.1 Available under license
1.365 perl-file-listing 6.04-17.el8
   1.365.1 Available under license
1.366 which 2.21 10.el8
   1.366.1 Available under license
1.367 cglib 3.2.4
   1.367.1 Available under license
1.368 axiom-api 1.2.20
   1.368.1 Available under license
1.369 commons-pool 2.4.2
   1.369.1 Available under license
1.370 activemq-broker 5.16.1
   1.370.1 Available under license
1.371 python 3.6.8 31.el8
   1.371.1 Available under license
1.372 xbean-spring 4.18
   1.372.1 Available under license
1.373 geronimojmsspec 1.1.1
   1.373.1 Available under license
1.374 openssl-pkcs11 0.4.10 2.el8
   1.374.1 Available under license
1.375 mime-pull 1.9.6
   1.375.1 Available under license
1.376 httpcomponents-httpcore 4.2
   1.376.1 Available under license
1.377 nettle 3.4.1 1.el8
   1.377.1 Available under license
1.378 fuse 3.2.1-12.el8
   1.378.1 Available under license
1.379 lua 5.3.4 11.el8
   1.379.1 Available under license
1.380 jackson-xc 2.8.10
   1.380.1 Available under license
1.381 bind 9.11.20 5.el8
   1.381.1 Available under license
1.382 spring-aop 4.3.30.RELEASE
   1.382.1 Available under license
1.383 inetutils 0.17-73.el8
   1.383.1 Available under license
1.384 libxml 2.9.7-7.el8
   1.384.1 Available under license
1.385 jersey-common 2.26
1.386 liburcu 0.10.1-2.el8
   1.386.1 Available under license
1.387 nano 2.9.8 1.el8
   1.387.1 Available under license
1.388 javax-inject 2.5.0-b42
1.389 lua 5.3.3
   1.389.1 Available under license
1.390 jersey-client 2.27
1.391 keyutils 1.5.10-6.el8
   1.391.1 Available under license
1.392 mariadb-java-client 1.4.6
   1.392.1 Available under license
1.393 alpn-api 1.1.3.v20160715
1.394 libmnl 1.0.4 6.el8
   1.394.1 Available under license
1.395 libxslt 1.1.32 5.el8
   1.395.1 Available under license
1.396 perl-compress-raw-zlib 2.081-1.el8
   1.396.1 Available under license
1.397 xml-commons-resolver 1.2
   1.397.1 Available under license
1.398 ncurses 6.1 7.20180224.el8
   1.398.1 Available under license
1.399 perl-term-cap 1.17 395.el8
   1.399.1 Available under license
1.400 jersey 1.19.3
   1.400.1 Available under license
1.401 api-ldap-codec-standalone 1.0.2
   1.401.1 Available under license
1.402 ftp-server 1.0.6
   1.402.1 Available under license
1.403 derbylocale-zh-tw 10.14.2.0
   1.403.1 Available under license
1.404 commons-daemon 1.2.4
   1.404.1 Available under license
1.405 talloc 2.3.1-2.el8
Open Source Used In CSPC_Collector 2.9.1

1.405.1 Available under license
1.406 grub2 2.02-82.el8_2.1
   1.406.1 Available under license
1.407 libunistring 0.9.9 3.el8
   1.407.1 Available under license
1.408 libarchive 3.3.2 9.el8
   1.408.1 Available under license
1.409 perl-http-date 6.02-18.el8
   1.409.1 Available under license
1.410 activeio-core 3.1.4
   1.410.1 Available under license
1.411 jersey-client 2.22.2
   1.411.1 Available under license
1.412 jetty-io 9.4.11.v20180605
1.413 perl-file-temp 0.230.600 1.el8
   1.413.1 Available under license
1.414 d-bus 1.12.8 11.el8
   1.414.1 Available under license
1.415 derbylocale-fr 10.14.2.0
   1.415.1 Available under license
1.416 python27-jmespath 0.9.0-11.el8
   1.416.1 Available under license
1.417 bcmail 1.48.0
   1.417.1 Available under license
1.418 commons-modeler 2.0.1
   1.418.1 Available under license
1.419 libcgroup 0.41 19.el8
   1.419.1 Available under license
1.420 rssh 2.3.4-1.el6
   1.420.1 Available under license
1.421 axiom-dom 1.2.20
   1.421.1 Available under license
1.422 jboss-jms-api 1.0.0.Final
   1.422.1 Available under license
1.423 efibootmgr 16 1.el8
   1.423.1 Available under license
1.424 bsd-mailx 12.5-29.el8
   1.424.1 Available under license
1.425 telnet 0.17-73.el8_1.1
1.425.1 Available under license
1.426 efivar 36 1.el8
   1.426.1 Available under license
1.427 example-async-rest 9.4.11.v20180605
1.428 jdom 1.1.2
   1.428.1 Available under license
1.429 checker-compat-qual 2.0.0
1.430 icu 60
   1.430.1 Available under license
1.431 expat 2.2.4
   1.431.1 Available under license
1.432 tomcat-jsp-api 8.5.3
   1.432.1 Available under license
1.433 fcgi-server 9.4.11.v20180605
1.434 tcp-dump 4.9.3-1.el8
   1.434.1 Available under license
1.435 libedit 3.1-23.20170329cvs.el8
   1.435.1 Available under license
1.436 unzip 6.0 43.el8
   1.436.1 Available under license
1.437 commons-logging 1.1
   1.437.1 Available under license
1.438 derby-tools 10.14.2.0
   1.438.1 Available under license
1.439 tomcat-juli 8.5.3
   1.439.1 Available under license
1.440 gobject-introspection 1.56.1 1.el8
   1.440.1 Available under license
1.441 ncurses 6.1
   1.441.1 Available under license
1.442 tevent 0.10.2-2.el8
   1.442.1 Available under license
1.443 libksba 1.3.5 7.el8
   1.443.1 Available under license
1.444 libteam 1.28 4.el8
   1.444.1 Available under license
1.445 jetty-quickstart 9.4.11.v20180605
1.446 hk2-locator 2.5.0-b42
1.447 commons-fileupload 1.3.3
| 1.447.1 Available under license |
| 1.448 endpoints 1441928702 |
| 1.448.1 Available under license |
| 1.449 httpcomponents-core 4.2 |
| 1.449.1 Available under license |
| 1.450 ca-certificates 2019.2.32 80.0.el8_1 |
| 1.450.1 Available under license |
| 1.451 activemq-shiro 5.15.14 |
| 1.451.1 Available under license |
| 1.452 cpp 8.3.1 5.1.el8 |
| 1.452.1 Available under license |
| 1.453 libxcrypt 4.1.1 4.el8 |
| 1.453.1 Available under license |
| 1.454 shadow 4.6-8.el8 |
| 1.454.1 Available under license |
| 1.455 pcre2 10.32-1.el8 |
| 1.455.1 Available under license |
| 1.456 audit 3.0-0.13.20190507gitf58ec40.el8 |
| 1.456.1 Available under license |
| 1.457 perl-math-random-isaac 1.004-26.el8 |
| 1.457.1 Available under license |
| 1.458 aopalliance-repackaged 2.4.0-b34 |
| 1.459 linux-kernel 4.18.0-240.15.1.el8_3 |
| 1.459.1 Available under license |
| 1.460 apache-mime4j-core 0.7.2 |
| 1.460.1 Available under license |
| 1.461 tomcat-coyote 8.5.3 |
| 1.461.1 Available under license |
| 1.462 test-proxy-webapp 9.4.11.v20180605 |
| 1.462.1 Available under license |
| 1.463 jacksoncorelgpl 1.8.2 |
| 1.463.1 Available under license |
| 1.464 activemq-jaas 5.15.14 |
| 1.464.1 Available under license |
| 1.465 e2fsprogs 1.45.6 1.el8 |
| 1.465.1 Available under license |
| 1.466 perl-libnet 3.11-3.el8 |
| 1.466.1 Available under license |
| 1.467 xpp 1.1.2a |
1.467.1 Notifications
1.467.2 Available under license

1.468 glassfish 1.4.1.v201005082020
1.468.1 Available under license

1.469 httpcomponents-httpmime 4.2
1.469.1 Available under license

1.470 regexp 2.6.0
1.470.1 Available under license

1.471 jersey 2.26
1.471.1 Available under license

1.472 librepo 1.12.0 2.el8
1.472.1 Available under license

1.473 icu 64
1.473.1 Available under license

1.474 microcode-ctl 20200609-2.20201027.1.el8_3
1.474.1 Available under license

1.475 axis-schema 1.3
1.475.1 Available under license

1.476 dnf 4.2.7-6.el8
1.476.1 Available under license

1.477 commons-net 3.1
1.477.1 Available under license

1.478 perl-http-negotiate 6.01-19.el8
1.478.1 Available under license

1.479 activemq 5.15.14
1.479.1 Available under license

1.480 jetty-alpn-server 9.4.11.v20180605

1.481 commons-net 3.5
1.481.1 Available under license

1.482 httpcomponents-mime 4.2
1.482.1 Available under license

1.483 rpm 4.14.2 25.el8
1.483.1 Available under license

1.484 perl-crypt-ssleay 0.73_07-1.gf.el8
1.484.1 Available under license

1.485 perl-module-pluggable 5.2-7.el8
1.485.1 Available under license

1.486 perl-storable 3.11 3.el8
1.486.1 Available under license
1.487 samba 4.12.3-12.el8.3
   1.487.1 Available under license
1.488 cups 2.2.6-38.el8
   1.488.1 Available under license
1.489 kmod 25 13.el8
   1.489.1 Available under license
1.490 nmap 7.70 5.el8
   1.490.1 Available under license
1.491 javax-websocket-api 1.1
1.492 jetty-plus 9.4.11.v20180605
1.493 npth 1.5 4.el8
   1.493.1 Available under license
1.494 httpcomponents-core 4.4.4
   1.494.1 Available under license
1.495 perl-podlators 4.11 1.el8
   1.495.1 Available under license
1.496 jetty-start 9.4.11.v20180605
1.497 dom-aspects 1.2.15
   1.497.1 Available under license
1.498 apache-log4j 2.6.1
   1.498.1 Available under license
1.499 gwt 2.9.0
   1.499.1 Available under license
1.500 api-ldap-extras-sp 1.0.2
   1.500.1 Available under license
1.501 jaxme2 0.5
   1.501.1 Available under license
1.502 jersey-container-jetty-http 2.27
   1.502.1 Available under license
1.503 perl-www-robotrules 6.02-18.el8
   1.503.1 Available under license
1.504 jasypt 1.9.2
   1.504.1 Available under license
1.505 apache-jsp 8.5.24.2
   1.505.1 Available under license
1.506 activemq-shiro 5.16.1
   1.506.1 Available under license
1.507 error_prone_annotations 2.1.3
   1.507.1 Available under license
<table>
<thead>
<tr>
<th>Package</th>
<th>Version</th>
<th>Available under license</th>
</tr>
</thead>
<tbody>
<tr>
<td>libnl3</td>
<td>3.4.0.5.el8</td>
<td></td>
</tr>
<tr>
<td>cglib-nodep</td>
<td>2.2.2</td>
<td></td>
</tr>
<tr>
<td>cracklib</td>
<td>2.9.6.15.el8</td>
<td></td>
</tr>
<tr>
<td>sed</td>
<td>4.5.1.el8</td>
<td></td>
</tr>
<tr>
<td>json-java</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>apache-log4j</td>
<td>2.13.3</td>
<td></td>
</tr>
<tr>
<td>perl-xml-simple</td>
<td>2.25-1.el8</td>
<td></td>
</tr>
<tr>
<td>lz4</td>
<td>1.8.1.2.4.el8</td>
<td></td>
</tr>
<tr>
<td>appengine-api-labs</td>
<td>1.9.84</td>
<td></td>
</tr>
<tr>
<td>activemq-kahadb-store</td>
<td>5.15.14</td>
<td></td>
</tr>
<tr>
<td>pigz</td>
<td>2.4.2.el8</td>
<td></td>
</tr>
<tr>
<td>libnl3</td>
<td>3.4.0-5.el8</td>
<td></td>
</tr>
<tr>
<td>libpsl</td>
<td>0.20.2.5.el8</td>
<td></td>
</tr>
<tr>
<td>libnsl2</td>
<td>1.2.0.20180605git4a062cf.el8</td>
<td></td>
</tr>
<tr>
<td>derbylocale-cs</td>
<td>10.14.2.0</td>
<td></td>
</tr>
<tr>
<td>jersey</td>
<td>2.27</td>
<td></td>
</tr>
<tr>
<td>geronimo-activation-spec</td>
<td>1.1</td>
<td></td>
</tr>
<tr>
<td>xstream</td>
<td>1.4.4</td>
<td></td>
</tr>
<tr>
<td>api-all</td>
<td>1.0.2</td>
<td></td>
</tr>
<tr>
<td>activemq-console</td>
<td>5.16.1</td>
<td></td>
</tr>
<tr>
<td>geronimo-jta</td>
<td>1.1.1</td>
<td></td>
</tr>
</tbody>
</table>
1.528.1 Available under license
1.529 activemq-http 5.15.14
    1.529.1 Available under license
1.530 datanucleus-api-jdo 3.1.3
    1.530.1 Available under license
1.531 linux-firmware 41.28.5.1-94.el8.1
    1.531.1 Available under license
1.532 hd-parm 9.54 2.el8
    1.532.1 Available under license
1.533 activemq-leveldb-store 5.16.1
    1.533.1 Available under license
1.534 javassist 3.22.0-CR2
    1.534.1 Available under license
1.535 shared-mime-info 1.9 3.el8
    1.535.1 Available under license
1.536 commons-collections 4.2
    1.536.1 Available under license
1.537 ding-libs 0.1.5-39.el8
    1.537.1 Available under license
1.538 publicsuffix-list 20180723 1.el8
    1.538.1 Available under license
1.539 libdnf 0.35.1 8.el8
    1.539.1 Available under license
1.540 nashorn 1.8.0_281-b09
    1.540.1 Available under license
1.541 xfsprogs 5.0.0 1.el8
    1.541.1 Available under license
1.542 google-oauth-client 1.22.0
1.543 activemq-openwire-legacy 5.16.1
    1.543.1 Available under license
1.544 zlib 20200619-99.git3890db36.el8
    1.544.1 Available under license
1.545 zlib 1.2.8
    1.545.1 Available under license
1.546 commons-logging 4.0.6
    1.546.1 Available under license
1.547 jackson-databind 2.11.1
    1.547.1 Available under license
1.548 gdbm 1.18 1.el8
1.549 python-dmidecode 3.12.2 15.el8
   1.549.1 Available under license
1.550 glib 2.56.4 8.el8
   1.550.1 Available under license
1.551 quartz 1.6.5
   1.551.1 Available under license
1.552 libkcapi 1.1.1 16_1.el8
   1.552.1 Available under license
1.553 dmidecode 3.12.2-15.el8
   1.553.1 Available under license
1.554 datanucleus-api-jpa 3.1.3
   1.554.1 Available under license
1.555 perl-pod-simple 3.35-395.el8
   1.555.1 Available under license
1.556 perl-io-compress 2.081-1.el8
   1.556.1 Available under license
1.557 commons-io 1.4
   1.557.1 Available under license
1.558 castor-core 1.3
   1.558.1 Available under license
1.559 jbig-kit 2.1-14.el8
   1.559.1 Available under license
1.560 pcre 8.42 4.el8
   1.560.1 Available under license
1.561 libpwquality 1.4.0 9.el8
   1.561.1 Available under license
1.562 shared-aspects 1.2.20
   1.562.1 Available under license
1.563 pcre 8.42
   1.563.1 Available under license
1.564 spring-messaging 4.3.30.RELEASE
   1.564.1 Available under license
1.565 perl-encode 2.97 3.el8
   1.565.1 Available under license
1.566 apache-servicemix-bundles-xpp3 1.1.4c_7
   1.566.1 Available under license
1.567 google-http-client-jackson2 1.22.0
1.568 tcsh 6.20.00-9.el8
1.568.1 Available under license
1.569 ipsec-tools 0.8.2-2.el6
  1.569.1 Available under license
1.570 gmp 6.1.2 10.el8
  1.570.1 Available under license
1.571 jersey-media-multipart 2.26
  1.571.1 Available under license
1.572 udev 239-31.el8_2.2
  1.572.1 Available under license
1.573 perl-text-parsewords 3.30-395.el8
  1.573.1 Available under license
1.574 jetty-servlets 9.4.11.v20180605
1.575 perl-data-dump 1.23-7.el8
  1.575.1 Available under license
1.576 perl-html-tagset 3.20-33.el8
  1.576.1 Available under license
1.577 slf4j 1.7.30
  1.577.1 Available under license
1.578 tomcat-el-api 8.5.3
  1.578.1 Available under license
1.579 linux-firmware 18.168.6.1-94.el8.1
  1.579.1 Available under license
1.580 activemq-stomp 5.15.14
  1.580.1 Available under license
1.581 at 3.1.20 11.el8
  1.581.1 Available under license
1.582 ant-launcher 1.10.5
  1.582.1 Available under license
1.583 libmspack 0.7 0.3.alpha.el8.4
  1.583.1 Available under license
1.584 kexec-tools 2.0.20-14.el8
  1.584.1 Available under license
1.585 jetty-util-ajax 9.4.11.v20180605
1.586 tomcat-servlet-api 8.0.14
  1.586.1 Available under license
1.587 slang 2.3.2 3.el8
  1.587.1 Available under license
1.588 mlocate 0.26 20.el8
  1.588.1 Available under license
1.589 spring-web 4.3.30.RELEASE
   1.589.1 Available under license
1.590 jdk 1.8.0u281
   1.590.1 Available under license
1.591 libidn 2.2.0
   1.591.1 Available under license
1.592 derbylocale-ko-kr 10.14.2.0
   1.592.1 Available under license
1.593 libusb 1.0.22-1.el8
   1.593.1 Available under license
1.594 antlr 2.7.7_5
   1.594.1 Available under license
1.595 istack-commons 3.0.5
   1.595.1 Available under license
1.596 pam 1.3.1-4.el8
   1.596.1 Available under license
1.597 python-markupsafe 0.23-19.el8
   1.597.1 Available under license
1.598 libx11 1.6.8 3.el8
   1.598.1 Available under license
1.599 csh 6.20.00-9.el8
   1.599.1 Available under license
1.600 polkit-pkla-compat 0.1 12.el8
   1.600.1 Available under license
1.601 open-iscsi 6.2.0.877-1.gitf71581b.el8
   1.601.1 Available under license
1.602 activemq-openwire-legacy 5.15.14
   1.602.1 Available under license
1.603 lvm2 2.03.05 5.el8.0.1
   1.603.1 Available under license
1.604 jetty-setuid-java 1.0.3
1.605 bash 4.4.19
   1.605.1 Available under license
1.606 automake 1.16.1-6.el8
   1.606.1 Available under license
1.607 usermode 1.113 1.el8
   1.607.1 Available under license
1.608 tdom 0.8.2-3.el5
   1.608.1 Available under license
1.609 activemq-mqtt 5.15.14
   1.609.1 Available under license
1.610 dracut 049 27.git20190906.el8
   1.610.1 Available under license
1.611 axiom-compat 1.2.15
   1.611.1 Available under license
1.612 bind 9.11.20
   1.612.1 Available under license
1.613 spring-web-mvc 4.3.30.RELEASE
   1.613.1 Available under license
1.614 slf4j-log4j 1.7.25
   1.614.1 Available under license
1.615 iptables 1.8.4-10.el8_2.1
   1.615.1 Available under license
1.616 core-aspects 1.2.20
   1.616.1 Available under license
1.617 jsch 0.1.44-1
   1.617.1 Available under license
1.618 hamcrest 1.3
   1.618.1 Available under license
1.619 jersey-client 1.9.1
1.620 perl-text-tabs-wrap 2013.0523 395.el8
   1.620.1 Available under license
1.621 jetty-nosql 9.4.11.v20180605
1.622 qt 4.6.2-28.el6_5
   1.622.1 Available under license
1.623 c3p0 0.9.5.4
   1.623.1 Available under license
1.624 xml-apis 1.4.01
   1.624.1 Available under license
1.625 axiom-api 1.2.6
   1.625.1 Available under license
1.626 d-bus 1.12.8
   1.626.1 Available under license
1.627 commons-codec 1.6
   1.627.1 Available under license
1.628 mqtt-client 1.3
1.629 centos-release 8.1-1.1911.0.9.el8
   1.629.1 Available under license
1.630 activemq-camel 5.15.14
   1.630.1 Available under license
1.631 slf4j 1.7.25
   1.631.1 Available under license
1.632 polkit 0.115 9.el8
   1.632.1 Available under license
1.633 json-simple-ordered 2.25.2
   1.633.1 Available under license
1.634 pinentry 1.1.0 2.el8
   1.634.1 Available under license
1.635 gstreamer 1.16.1
   1.635.1 Available under license
1.636 woodstox-core-asl 4.2.0
   1.636.1 Available under license
1.637 jep 2.24
   1.637.1 Available under license
1.638 api-ldap-extras-util 1.0.2
   1.638.1 Available under license
1.639 spring-oxm 4.3.30.RELEASE
   1.639.1 Available under license
1.640 grep 3.1-6.el8
   1.640.1 Available under license
1.641 jersey-media-moxy 2.27
   1.641.1 Available under license
1.642 jetty-gcloud-session-manager 9.4.11.v20180605
1.643 aide 0.16-11.el8
   1.643.1 Available under license
1.644 bouncy-castle 1.55
   1.644.1 Available under license
1.645 websocket-common 9.4.11.v20180605
1.646 castor 1.3
   1.646.1 Available under license
1.647 sssd 2.2.0 19.el8
   1.647.1 Available under license
1.648 python-cffi 1.11.5 5.el8
   1.648.1 Available under license
1.649 tuned 2.13.0-1.ph3
   1.649.1 Available under license
1.650 xalan 2.7.1
<table>
<thead>
<tr>
<th>Version</th>
<th>Package Name</th>
<th>Version Information</th>
<th>License</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.650.1</td>
<td>libgcrypt 1.8.5</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.651</td>
<td>xerces-j 2.9.1</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.652</td>
<td>stax 3.1.1</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.653</td>
<td>hikaricp-java7 2.4.13</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.654</td>
<td>libverto 0.3.0 5.el8</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.655</td>
<td>xml-apis 2.0.2</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.656</td>
<td>apache-el 8.5.24.2</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.657</td>
<td>policycoreutils 2.9-3.el8_1.1</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.658</td>
<td>openssl 1.1.1f</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.659</td>
<td>commons-lang3 2.4</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.660</td>
<td>libpng 1.6.37</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.661</td>
<td>bcpkix-jdk14 1.48</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.662</td>
<td>libpipeline 1.5.0 2.el8</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.663</td>
<td>sysfsutils 2.1.0 24.el8</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.664</td>
<td>om-aspects 1.2.15</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.665</td>
<td>libsepol 2.9 1.el8</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.666</td>
<td>jansson 2.11-3.el8</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.667</td>
<td>aopalliance-repackaged 2.5.0-b42</td>
<td>Available under license</td>
<td></td>
</tr>
<tr>
<td>1.668</td>
<td>mime4j 0.7.2</td>
<td>Available under license</td>
<td></td>
</tr>
</tbody>
</table>
1.671 commons-codec 1.8
   1.671.1 Available under license
1.672 m4 1.4.18 7.el8
   1.672.1 Available under license
1.673 jetty-util 9.4.11.v20180605
   1.673.1 Available under license
1.674 Isscsi 0.30 1.el8
   1.674.1 Available under license
1.675 mail 1.5.6
   1.675.1 Available under license
1.676 tomcat-jni 8.5.3
   1.676.1 Available under license
1.677 python-rpm-macros 3-37.el8
   1.677.1 Available under license
1.678 stax-api 1.0 2
   1.678.1 Available under license
1.679 timedatex 0.5 3.el8
   1.679.1 Available under license
1.680 libdrm 2.4.98-2.el8
   1.680.1 Available under license
1.681 visual-studio-runtime 9.0.3-15.el8
   1.681.1 Available under license
1.682 python-pyudev 0.21.0 7.el8
   1.682.1 Available under license
1.683 opencore-amr 20200619-99.git3890db36.el8
   1.683.1 Available under license
1.684 http2-hpack 9.4.11.v20180605
1.685 libgpg-error 1.31
   1.685.1 Available under license
1.686 python-idna 2.5-2.ph2
   1.686.1 Available under license
1.687 perl-time-hires 1.9758-1.el8
   1.687.1 Available under license
1.688 jetty-alpn-openjdk8-server 9.4.11.v20180605
1.689 newt 0.52.20 9.el8
   1.689.1 Available under license
1.690 prefixdevname 0.1.0 6.el8
   1.690.1 Available under license
1.691 activemq-client 5.16.1
1.691.1 Available under license
1.692 aws-java-sdk-kms 1.11.277
   1.692.1 Available under license
1.693 libcap-ng 0.7.9-4.el8
   1.693.1 Available under license
1.694 spring-framework 2.5.1
   1.694.1 Available under license
1.695 hawtdispatch-transport 1.11
1.696 jaxen 1.1.6
   1.696.1 Available under license
1.697 activemq-broker 5.15.14
   1.697.1 Available under license
1.698 appengine-endpoints 1441928702
   1.698.1 Available under license
1.699 tools-ant 1.10.9
   1.699.1 Available under license
1.700 parted 3.2 38.el8
   1.700.1 Available under license
1.701 activemq-protobuf 1.1
   1.701.1 Available under license
1.702 berkeley-db 5.3.28
   1.702.1 Available under license
1.703 jetty-deploy 9.4.11.v20180605
1.704 libssh 0.9.4
   1.704.1 Available under license
1.705 rootfiles 8.1-22.el8
   1.705.1 Available under license
1.706 commons-pool 1.3
   1.706.1 Available under license
1.707 tomcat-util-scan 8.5.3
   1.707.1 Available under license
1.708 jersey-container-servlet-core 2.27
1.709 commons-el 5.5.23
   1.709.1 Available under license
1.710 json-java 20170516
   1.710.1 Available under license
1.711 jetty-jmx 9.4.11.v20180605
1.712 libfastjson 0.99.8 2.el8
   1.712.1 Available under license
1.713 perl-libwww-perl 6.34-1.el8
   1.713.1 Available under license
1.714 dbus-glib 0.110 2.el8
   1.714.1 Available under license
1.715 gwt 2.3.0
   1.715.1 Available under license
1.716 activemq-console 5.15.14
   1.716.1 Available under license
1.717 perl-exporter 5.72 396.el8
   1.717.1 Available under license
1.718 gzip 1.9-9.el8
   1.718.1 Available under license
1.719 perl-net-ssleay 1.88-1.el8
   1.719.1 Available under license
1.720 free-type 2.9.1 4.el8_3.1
   1.720.1 Available under license
1.721 wstx-asl 3.2.4
1.722 readline 7.0 10.el8
   1.722.1 Available under license
1.723 jackson-annotations 2.9.8
   1.723.1 Available under license
1.724 auto-common 0.8
   1.724.1 Available under license
1.725 jetty-continuation 9.4.11.v20180605
1.726 hk2-api 2.4.0-b34
   1.726.1 Available under license
1.727 libpciaccess 0.14 1.el8
   1.727.1 Available under license
1.728 jetty-webapp 9.4.11.v20180605
1.729 systemd 239-31.el8_2.2
   1.729.1 Available under license
1.730 c-ares 1.13.0 5.el8
   1.730.1 Available under license
1.731 python-slip 0.6.4 11.el8
   1.731.1 Available under license
1.732 endpoints 1429803998
   1.732.1 Available under license
1.733 python-pip 9.0.1-6.ph2
   1.733.1 Available under license
1.734 perl-try-tiny 0.30-2.el8
   1.734.1 Available under license
1.735 perl-scalar-list-utils 1.49-2.el8
   1.735.1 Available under license
1.736 libasyncns 239-31.el8_2.2
   1.736.1 Available under license
1.737 libsodium 1.0.18-2.el8
   1.737.1 Available under license
1.738 pkgconf 1.4.2 1.el8
   1.738.1 Available under license
1.739 findutils 4.6.0 20.el8
   1.739.1 Available under license
1.740 libnuma 2.0.12-7.el8
   1.740.1 Available under license
1.741 pcre2 10.32 2.el8
   1.741.1 Available under license
1.742 gson 1.6
1.743 javax-websocket-client-impl 9.4.11.v20180605
1.744 grubby 8.40 38.el8
   1.744.1 Available under license
1.745 libtirpc 1.1.4 4.el8
   1.745.1 Available under license
1.746 mysql 8.0.21-1.module_el8.2.0+493+63b41e36
   1.746.1 Available under license
1.747 libjpeg 9d
   1.747.1 Available under license
1.748 rsyslog 8.1911.0 6.el8
   1.748.1 Available under license
1.749 axiom-api 1.2.15
   1.749.1 Available under license
1.750 spring-expression 4.3.30.RELEASE
   1.750.1 Available under license
1.751 shim 239-31.el8_2.2
   1.751.1 Available under license
1.752 device-mapper-multipath 0.8.0 5.el8
   1.752.1 Available under license
1.753 jemalloc 10.1.14
   1.753.1 Available under license
1.754 activemq-spring 5.16.1
1.754.1 Available under license
1.755 jersey-server 1.9.1
1.756 sqlite 3.26.0 11.el8
   1.756.1 Available under license
1.757 tar 1.30 4.el8
   1.757.1 Available under license
1.758 openssl 1.1.1g 12.el8_3
   1.758.1 Available under license
1.759 ed 1.14.2 4.el8
   1.759.1 Available under license
1.760 libssh 0.9.4 2.el8
   1.760.1 Available under license
1.761 linux-firmware 39.31.5.1-101.el8_3.1
   1.761.1 Available under license
1.762 coreutils 8.30 7.el8_2.1
   1.762.1 Available under license
1.763 openssl 1.1.1k
   1.763.1 Notifications
   1.763.2 Available under license
1.764 mariadb-java-client 1.4.5
   1.764.1 Available under license
1.765 websocket-api 9.4.11.v20180605
1.766 biosdevname 0.7.3-2.el8
   1.766.1 Available under license
1.767 kbd 2.0.4 8.el8
   1.767.1 Available under license
1.768 mariadb-connector-c 3.1.11-2.el8_3
   1.768.1 Available under license
1.769 hk2-locator 2.4.0-b34
   1.769.1 Available under license
1.770 jansson 2.11 3.el8
   1.770.1 Available under license
1.771 open-ldap 2.4.46-10.el8
   1.771.1 Available under license
1.772 tk 8.6.8-1.el8
   1.772.1 Available under license
1.773 websocket-server 9.4.11.v20180605
1.774 spring-jdbc 2.5.1
   1.774.1 Available under license
<table>
<thead>
<tr>
<th>Version</th>
<th>Package</th>
<th>Version</th>
<th>Available under license</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.775</td>
<td>bouncy-castle 1.19</td>
<td>1.775.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.776</td>
<td>cryptsetup 2.2.0-2.el8</td>
<td>1.776.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.777</td>
<td>commons-digester 2.1</td>
<td>1.777.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.778</td>
<td>libyaml 0.1.7 5.el8</td>
<td>1.778.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.779</td>
<td>jsr305 1.3.9</td>
<td>1.779.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.780</td>
<td>jcl-over-slf4j 1.7.30</td>
<td>1.780.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.781</td>
<td>slf4j 1.7.2</td>
<td>1.781.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.782</td>
<td>jcifs 1.2.19</td>
<td>1.782.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.783</td>
<td>gssproxy 0.8.0 16.el8</td>
<td>1.783.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.784</td>
<td>nettle 3.4.1 1.el8</td>
<td>1.784.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.785</td>
<td>network-manager 1.26.0-9.el8_3</td>
<td>1.785.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.786</td>
<td>dnf-plugins-core 4.0.8-3.el8</td>
<td>1.786.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.787</td>
<td>libuser 0.62 23.el8</td>
<td>1.787.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.788</td>
<td>python36 3.6.8-2.module_el8.1.0+245+c39af44f</td>
<td>1.788.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.789</td>
<td>zlib 1.2.11</td>
<td>1.789.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.790</td>
<td>jaxen-jdom 1.0-FCS</td>
<td>1.790.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.791</td>
<td>tomcat-jdbc 8.5.63</td>
<td>1.791.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.792</td>
<td>traceroute 2.1.0 6.el8</td>
<td>1.792.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.793</td>
<td>spring-ldap 1.3.1.RELEASE</td>
<td>1.793.1</td>
<td>Available under license</td>
</tr>
<tr>
<td>1.794</td>
<td>trousers 0.3.14 4.el8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Version</td>
<td>Package Name</td>
<td>Description</td>
<td>Status</td>
</tr>
<tr>
<td>---------</td>
<td>-------------------</td>
<td>-------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>1.794.1</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.795</td>
<td>javax-ws-rs-api 2.0.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.796.1</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.797</td>
<td>openssh 8.0p1 5.el8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.798.1</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.799</td>
<td>libunistring 0.9.9-3.el8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.800</td>
<td>xmlsec 1.2.25 4.el8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.801.1</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.802</td>
<td>postfix 3.3.1 9.el8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.803.1</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.804</td>
<td>perl-xml-namespacesupport 1.12-4.el8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.805.1</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.806.1</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.807.1</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.808.1</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.809.1</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.810.1</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.811.1</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.812.1</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.813</td>
<td>Available under license</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
1.814.1 Available under license
1.815 lzo 2.08 14.el8
   1.815.1 Available under license
1.816 libffi 3.1-21.el8
   1.816.1 Available under license
1.817 asm 5.0.1.v201405080102
   1.817.1 Available under license
1.818 python-pip 9.0.3-18.el8
   1.818.1 Available under license
1.819 lshw B.02.18 21.el8
   1.819.1 Available under license
1.820 tomcat-api 8.5.3
   1.820.1 Available under license
1.821 perl-http-message 6.18-1.el8
   1.821.1 Available under license
1.822 coreutils 8.30
   1.822.1 Available under license
1.823 commons-net 3.3
   1.823.1 Available under license
1.824 linux-firmware 20201217-999.7.git7455a360.el7
   1.824.1 Available under license
1.825 jsr311-api 1.1.1
   1.825.1 Available under license
1.826 javax-websocket-server-impl 9.4.11.v20180605
1.827 less 530 1.el8
   1.827.1 Available under license
1.828 geronimo-activation-spec 1.0.1
   1.828.1 Available under license
1.829 perl-data-dumper 2.167-399.el8
   1.829.1 Available under license
1.830 derbylocale-ru 10.14.2.0
   1.830.1 Available under license
1.831 libffi 3.1 21.el8
   1.831.1 Available under license
1.832 axiom-impl 1.2.15
   1.832.1 Available under license
1.833 multipath-tools 0.8.0-5.el8
1.834 glibc 2.28
   1.834.1 Available under license
1.835 bash 4.4.19 10.el8
   1.835.1 Available under license
1.836 cglib 2.2.2
   1.836.1 Available under license
1.837 perl 1.38-416.el8
   1.837.1 Available under license
1.838 jersey-common 2.22.2
   1.838.1 Available under license
1.839 perl-unicode-normalize 1.25 396.el8
   1.839.1 Available under license
1.840 linux-kernel 4.18.0
   1.840.1 Available under license
1.841libsolv 0.7.11 1.el8
   1.841.1 Available under license
1.842 popt 1.16 14.el8
   1.842.1 Available under license
1.843 glibc 2.28 127.el8
   1.843.1 Available under license
1.844 nghttp2 1.33.0
   1.844.1 Available under license
1.845 perl-version 0.99.24-1.el8
   1.845.1 Available under license
1.846 geronimo-stax-api 1.0.1
1.847 hk2-utils 2.4.0-b34
   1.847.1 Available under license
1.848 libedit 3.1 23.20170329cvs.el8
   1.848.1 Available under license
1.849 avahi 0.7 19.el8
   1.849.1 Available under license
1.850 jetty 9.4.11.v20180605
1.851 tink 1.2.1
1.852 plymouth 0.9.3-15.el8
   1.852.1 Available under license
1.853 libnftnl 1.1.5 4.el8
   1.853.1 Available under license
1.854 spring-beans 2.5.6
   1.854.1 Available under license
1.855 perl-pathtools 3.74-1.el8
   1.855.1 Available under license
1.856 scrypt 1.4.0
1.857 perl-digest 1.17-395.el8
1.857.1 Available under license
1.858 activemq-amqp 5.15.14
1.858.1 Available under license
1.859 commons-io 2.3
1.859.1 Available under license
1.860 axiom-impl 1.2.6
1.860.1 Available under license
1.861 screen 4.6.2-11.epel8.playground
1.861.1 Available under license
1.862 commons-codec 2.0-SNAPSHOT
1.862.1 Available under license
1.863 api-common 1.0.0
1.864 wget 1.19.5-8.el8_1.1
1.864.1 Available under license
1.865 dmidecode 3.5
1.865.1 Available under license
1.866 jre 1.8.0u281
1.866.1 Available under license
1.867 mailcap 2.1.48 3.el8
1.867.1 Available under license
1.868 rng-tools 6.6-2.el8
1.868.1 Available under license
1.869 python-decorator 4.2.1 2.el8
1.869.1 Available under license
1.870 libxft 2.3.2-10.el8
1.870.1 Available under license
1.871 elfutils 0.176 5.el8
1.871.1 Available under license
1.872 javax-transaction 1.2
1.872.1 Available under license
1.873 firefox 60.9.0
1.873.1 Available under license
1.874 sudo 1.8.29 6.el8_3.1
1.874.1 Available under license
1.875 net-tools 2.0 0.51.20160912git.el8
1.875.1 Available under license
1.876 httpclient 4.5.2
1.897.1 Available under license
1.898 libmodulemd 1.8.11-4.el8_1
    1.898.1 Available under license
1.899 libxml 2.9.7 8.el8
    1.899.1 Available under license
1.900 jetty-http 9.4.11.v20180605
1.901 axiom-c14n 1.2.15
    1.901.1 Available under license
1.902 perl-getopt-long 2.50 4.el8
    1.902.1 Available under license
1.903 ima-evm-utils 1.1 5.el8
    1.903.1 Available under license
1.904 jaxb-api 2.1
1.905 appengine-endpoints 1.9.20
    1.905.1 Available under license
1.906 slf4j-log4j 1.7.30
    1.906.1 Available under license
1.907 bzip2 1.0.6 26.el8
    1.907.1 Available under license
1.908 sssd 2.2.3 20.el8
    1.908.1 Available under license
1.909 jersey-container-servlet-core 2.26
1.910 bc 1.07.1 5.el8
    1.910.1 Available under license
1.911 rpcbind 1.2.5 4.el8
    1.911.1 Available under license
1.912 xml-pull 1.1.3.1
    1.912.1 Available under license
1.913 p11-kit 0.23.14 5.el8_0
    1.913.1 Available under license
1.914 commons-lang3 2.6
    1.914.1 Available under license
1.915 saaj-api 1.3
    1.915.1 Available under license
1.916 imprtulis 2.4.18.1 1.el8
    1.916.1 Available under license
1.917 commons-cli 1.3.1
    1.917.1 Available under license
1.918 glib 2.56.4-7.el8
1.918.1 Available under license

1.919 ant 1.10.9
   1.919.1 Available under license

1.920 libxau 1.0.8 13.el8
   1.920.1 Available under license

1.921 ojdbc 11.1.0.7.0
   1.921.1 Available under license

1.922 tomcat-embed-logging-juli 8.5.2
   1.922.1 Available under license

1.923 spring-context 4.3.30.RELEASE
   1.923.1 Available under license

1.924 virt-what 1.18 6.el8
   1.924.1 Available under license

1.925 tomcat-extras-juli 8.0.23
   1.925.1 Available under license

1.926 asm 6.2
   1.926.1 Available under license

1.927 activemq-leveldb-store 5.15.14
   1.927.1 Available under license

1.928 commons-io 2.1
   1.928.1 Available under license

1.929 perl-encode-locale 1.05-9.el8
   1.929.1 Available under license

1.930 mssql-jdbc 4-4.0
   1.930.1 Available under license

1.931 derbylocale-es 10.14.2.0
   1.931.1 Available under license

1.932 perl 5.26.3 416.el8
   1.932.1 Available under license

1.933 libdb 5.3.28 37.el8
   1.933.1 Available under license

1.934 quartz 2.3.2
   1.934.1 Available under license

1.935 commons-net 3.4-SNAPSHOT
   1.935.1 Available under license

1.936 perl-threads 2.21 2.el8
   1.936.1 Available under license

1.937 jasypt 1.9.1
   1.937.1 Available under license
1.938 perl-mozilla-ca 20160104-7.el8
   1.938.1 Available under license
1.939 javax-servlet-api 3.0-SNAPSHOT
   1.939.1 Available under license
1.940 perl-digest-sha 6.02-1.el8
   1.940.1 Available under license
1.941 python-six 1.11.0 8.el8
   1.941.1 Available under license
1.942 ipcalc 0.2.4 3.el8
   1.942.1 Available under license
1.943 perl-pod-usage 1.69 395.el8
   1.943.1 Available under license
1.944 nftables 0.9.0 14.el8
   1.944.1 Available under license
1.945 derbylocale-ja-jp 10.14.2.0
   1.945.1 Available under license
1.946 spi-annotations 2.25.2
   1.946.1 Available under license
1.947 jetty-schemas 3.1.M0
1.948 linux-firmware 39.31.5.1-94.el8.1
   1.948.1 Available under license
1.949 linux-firmware 25.30.13.0-94.el8.1
   1.949.1 Available under license
1.950 ebtables 1.8.4-10.el8_2.1
   1.950.1 Available under license
1.951 perl-digest-hmac 1.03-17.el8
   1.951.1 Available under license
1.952 jersey-apache-connector 2.27
   1.952.1 Available under license
1.953 httpcomponents-mime 4.0.1
   1.953.1 Available under license
1.954 httpcomponents-client 4.5.2
   1.954.1 Available under license
1.955 tcl 8.6.8 2.el8
   1.955.1 Available under license
1.956 keyutils 1.5.10 6.el8
   1.956.1 Available under license
1.957 spring-jms 2.5.1
   1.957.1 Available under license
1.958 perl-io-socket-ip 0.39-5.el8
   1.958.1 Available under license
1.959 hostname 3.20 6.el8
   1.959.1 Available under license
1.960 ansible 2.9.15-1.el8
   1.960.1 Available under license
1.961 commons-logging 1.1.1
   1.961.1 Available under license
1.962 initscripts 10.00.4 1.el8
   1.962.1 Available under license
1.963 autoconf 2.69-8.ph3
   1.963.1 Available under license
1.964 setools 4.2.2 1.el8
   1.964.1 Available under license
1.965 brotli 1.0.6 1.el8
   1.965.1 Available under license
1.966 activemq-pool 5.15.14
   1.966.1 Available under license
1.967 userspace-rcu 0.10.1 2.el8
   1.967.1 Available under license
1.968 libnetfilter-cttimeout 1.1.5-4.el8
   1.968.1 Available under license
1.969 osgi-core 6.0.0.201403061837
   1.969.1 Available under license
1.970 test-jetty-webapp 9.4.11.v20180605
   1.970.1 Available under license
1.971 libcomps 0.1.11 2.el8
   1.971.1 Available under license
1.972 libdnet 7.70-5.el8
   1.972.1 Available under license
1.973 jetty-hazelcast 9.4.11.v20180605
1.974 tomcat 8.5.63
   1.974.1 Available under license
1.975 xpp3-min 1.1.4c
1.976 axiom-impl 1.2.20
   1.976.1 Available under license
1.977 datanucleus-appengine 2.1.2
1.978 servlet-api 3.1.0
   1.978.1 Available under license
1.979 jetty-continuation 9.4.7.v20170914
1.980 crypto-policies 20190807 1.git9b1477b.el8
  1.980.1 Available under license
1.981 libtasn 4.13-3.el8
  1.981.1 Available under license
1.982 jmespath-java 1.11.277
  1.982.1 Available under license
1.983 python-bcrypt 3.1.6-2.el8.1
  1.983.1 Available under license
1.984 mingw-expat 2.2.4-3.el8
  1.984.1 Available under license
1.985 jetty-jndi 9.4.11.v20180605
1.986 expat 2.2.5 4.el8
  1.986.1 Available under license
1.987 auto-service 1.0-rc4
  1.987.1 Available under license
1.988 python-dateutil 2.6.1-1.ph1
  1.988.1 Available under license
1.989 kahadb 5.7.0
  1.989.1 Available under license
1.990 datanucleus-core 3.1.3
  1.990.1 Available under license
1.991 datatype 1.3.04
  1.991.1 Available under license
1.992 gettext 0.19.8.1 17.el8
  1.992.1 Available under license
1.993 jetty-jaas 9.4.11.v20180605
1.994 gawk 4.2.1 1.el8
  1.994.1 Available under license
1.995 cyrus-sasl 2.1.27
  1.995.1 Available under license
1.996 quartz-oracle 2.1.5
  1.996.1 Available under license
1.997 perl-http-cookies 6.04-2.el8
  1.997.1 Available under license
1.998 xerces-j 2.11.0
  1.998.1 Available under license
1.999 zlib 1.2.11 13.el8
  1.999.1 Available under license
1.1000 icu 60.3 2.el8_1
   1.1000.1 Available under license
1.1001 libcap 2.26-1.el8
   1.1001.1 Available under license
1.1002 network-manager 1.20.0-3.el8
   1.1002.1 Available under license
1.1003 geronimo-jta 1.0.1
   1.1003.1 Available under license
1.1004 mysql-jdbc 5.1.14
   1.1004.1 Available under license
1.1005 libndp 1.7 1.el8
   1.1005.1 Available under license
1.1006 mailapi 1.5.0
   1.1006.1 Available under license
1.1007 xmlparserapis 2.6.2
   1.1007.1 Available under license
1.1008 jetty-spring 9.4.11.v20180605
1.1009 cdi-2 9.4.11.v20180605
1.1010 taglibs-standard-spec 1.2.5
   1.1010.1 Available under license
1.1011 python-paramiko 2.4.3-1.el8
   1.1011.1 Available under license
1.1012 apache-log4j 1.2.17
   1.1012.1 Available under license
1.1013 activemq-jdbc-store 5.16.1
   1.1013.1 Available under license
1.1014 jersey-client 1.19.3
1.1015 derby 10.14.2000000.1828579
   1.1015.1 Available under license
1.1016 vim 8.0.1763-13.el8
   1.1016.1 Available under license
1.1017 lynx 2.8.9-2.el8
   1.1017.1 Available under license
1.1018 jackson-dataformat-cbor 2.6.7
   1.1018.1 Available under license
1.1019 libjpeg-turbo 1.5.3 10.el8
   1.1019.1 Available under license
1.1020 linux-firmware 8.24.2.2-94.el8.1
   1.1020.1 Available under license
1.1021 pygobject 3.28.3 2.el8
   1.1021.1 Available under license
1.1022 linux-firmware 15.32.2.9-94.el8.1
   1.1022.1 Available under license
1.1023 appengine-jsr107cache 1.9.34
   1.1023.1 Available under license
1.1024 jetty-servlet 9.4.11.v20180605
1.1025 python-schedutils 0.6 6.el8
   1.1025.1 Available under license
1.1026 dhcp 4.3.6
   1.1026.1 Available under license
1.1027 derbylocale-de-de 10.14.2.0
   1.1027.1 Available under license
1.1028 web-toolkit 2.3.0
   1.1028.1 Available under license
1.1029 chkconfig 1.11 1.el8
   1.1029.1 Available under license
1.1030 libtool 2.4.6 25.el8
   1.1030.1 Available under license
1.1031 spring-jms 4.3.30.RELEASE
   1.1031.1 Available under license
1.1032 libdaemon 0.14 15.el8
   1.1032.1 Available under license
1.1033 net-snmp 5.8-18.el8_3.1
   1.1033.1 Available under license
1.1034 commons-digester 3.2
   1.1034.1 Available under license
1.1035 javax-annotation-api 1.2
   1.1035.1 Available under license
1.1036 saxpath 1.0-FCS
   1.1036.1 Available under license
1.1037 api-ldap-schema-converter 1.0.2
   1.1037.1 Available under license
1.1038 javax-json 1.0.4
1.1039 javax.security.auth.message 1.0.0.v201108011116
   1.1039.1 Available under license
1.1040 google-api-client 1.22.0
1.1041 mingw-crt 5.0.2-2.el8
   1.1041.1 Available under license
1.1042 javax-websocket-client-api 1.0
   1.1042.1 Available under license
1.1043 libestr 0.1.10 1.el8
   1.1043.1 Available under license
1.1044 derbylocale-pl 10.14.2.0
   1.1044.1 Available under license
1.1045 snappy-java 1.1.4
1.1046 crontabs 1.11 16.20150630git.el8
   1.1046.1 Available under license
1.1047 libcap 2.26 1.el8
   1.1047.1 Available under license
1.1048 commons-codec 1.10
   1.1048.1 Available under license
1.1049 jetty-security 9.4.11.v20180605
1.1050 jersey 2.22.2
   1.1050.1 Available under license
1.1051 activemq-amqp 5.16.1
   1.1051.1 Available under license
1.1052 libassuan 2.5.1 3.el8
   1.1052.1 Available under license
1.1053 make 4.2.1 9.el8
   1.1053.1 Available under license
1.1054 perl-io-socket-ssl 2.066-3.el8
   1.1054.1 Available under license
1.1055 objectweb-asm 6.2.0
   1.1055.1 Available under license
1.1056 snmp-4j 2.3.4
   1.1056.1 Available under license
1.1057 mingw-filesystem 104-1.el8
   1.1057.1 Available under license
1.1058 lcms 2.9
   1.1058.1 Available under license
1.1059 javax-inject 2.4.0-b34
1.1060 libcroco 0.6.12 4.el8_2.1
   1.1060.1 Available under license
1.1061 iputils 20180629 2.el8
   1.1061.1 Available under license
1.1062 jackson 1.9.13
   1.1062.1 Available under license
1.1063 jetty-memcached-sessions 9.4.11.v20180605
1.1064 groff 1.22.3 18.el8
  1.1064.1 Available under license
1.1065 lvm2 2.03.05-5.el8.0.1
  1.1065.1 Available under license
1.1066 cdi-core 9.4.11.v20180605
1.1067 tzdata 2019c-1.ph3
  1.1067.1 Available under license
1.1068 curl 7.61.1-14.el8
  1.1068.1 Available under license
1.1069 centos-indexhtml 8.0 0.el8
  1.1069.1 Available under license
1.1070 derbyclient 10.14.2.0
  1.1070.1 Available under license
1.1071 python-pycparser 2.14 14.el8
  1.1071.1 Available under license
1.1072 libidn 2.2.0 1.el8
  1.1072.1 Available under license
1.1073 perl-xml-sax 1.00-1.el8
  1.1073.1 Available under license
1.1074 iconv 2.28
  1.1074.1 Available under license
1.1075 perl-timedate 2.30-13.el8
  1.1075.1 Available under license
1.1076 connector-java 5.1.41
  1.1076.1 Available under license
1.1077 core-aspects 1.2.15
  1.1077.1 Available under license
1.1078 commons-io 2.0.1
  1.1078.1 Available under license
1.1079 hardlink 1.3 6.el8
  1.1079.1 Available under license
1.1080 gson 2.5
  1.1080.1 Available under license
1.1081 libndp 1.7-1.el8
  1.1081.1 Available under license
1.1082 xz 5.2.4
  1.1082.1 Available under license
1.1083 libnfnetworklink 1.0.1 13.el8
1.1083.1 Available under license
1.1084 python-pynacl 1.3.0-5.el8
  1.1084.1 Available under license
1.1085 pycryptosuite 3.5.6 4.el8
  1.1085.1 Available under license
1.1086 jackson-annotations 2.11.1
  1.1086.1 Available under license
1.1087 servlet-api 3.0.0.SNAPSHOT
  1.1087.1 Available under license
1.1088 perl 1.28-416.el8
  1.1088.1 Available under license
1.1089 camel-core 2.25.2
  1.1089.1 Available under license
1.1090 gnutls 3.6.14 7.el8_3
  1.1090.1 Available under license
1.1091 mdadm 4.1 9.el8
  1.1091.1 Available under license
1.1092 perl-http-tiny 0.074 1.el8
  1.1092.1 Available under license
1.1093 libnfsidmap 2.3.3-26.el8
  1.1093.1 Available under license
1.1094 api-ldap-extras-aci 1.0.2
  1.1094.1 Available under license
1.1095 jersey-client 2.26
1.1096 activemq-http 5.16.1
  1.1096.1 Available under license
1.1097 ecj 3.12.3
  1.1097.1 Available under license
1.1098 lshw-b B.02.18 21.el8
  1.1098.1 Available under license
1.1099 javax-websocket-api 1.0
  1.1099.1 Available under license
1.1100 cpio 2.12 8.el8
  1.1100.1 Available under license
1.1101 libseccomp 2.4.1-1.el8
  1.1101.1 Available under license
1.1102 nspr 4.25.0 2.el8_2
  1.1102.1 Available under license
1.1103 perl-compress-raw-bzip2 2.081-1.el8
1.1 dbus-python 1.2.4 15.el8

1.1.1 Available under license:

As of version 0.82.4, dbus-python is released under the following permissive non-copyleft license (the same one that was proposed for D-Bus core but wasn't achieved):

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright holders and licensing are indicated in the source files.

1.2 xml-apis 1.3.02

1.2.1 Available under license:


HEAR YE, HEAR YE!

All of the .java software and associated documentation about
SAX in this repository are distributed freely in the public domain.

LICENSE.sax.txt covers all software and documentation from the megginson.com including the following in the xml-commons project:

xml-commons/java/external/src/org/xml/sax
and all subdirectories
xml-commons/java/external/xdocs/sax
and all subdirectories

The actual SAX classes in xml-commons came from:
http://www.megginson.com/Software/index.html
The original versions are tagged 'SAX-2_0-r2-prerelease'

This license came from: http://www.w3.org/Consortium/Legal/copyright-documents-20021231

W3C DOCUMENT LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231

Public documents on the W3C site are provided by the copyright holders under the following license. By using and/or copying this document, or the W3C document from which this statement is linked, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions:

Permission to copy, and distribute the contents of this document, or the W3C document from which this statement is linked, in any medium for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the document, or portions thereof, that you use:

1. A link or URL to the original W3C document.
2. The pre-existing copyright notice of the original author, or if it doesn't exist, a notice (hypertext is preferred, but a textual representation is permitted) of the form: "Copyright [date-of-document] World Wide Web Consortium (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University). All Rights Reserved.
http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231"
3. If it exists, the STATUS of the W3C document.

When space permits, inclusion of the full text of this NOTICE should be
provided. We request that authorship attribution be provided in any software, documents, or other items or products that you create pursuant to the implementation of the contents of this document, or any portion thereof.

No right to create modifications or derivatives of W3C documents is granted pursuant to this license. However, if additional requirements (documented in the Copyright FAQ) are satisfied, the right to create modifications or derivatives is sometimes granted by the W3C to individuals complying with those requirements.

THIS DOCUMENT IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR TITLE; THAT THE CONTENTS OF THE DOCUMENT ARE SUITABLE FOR ANY PURPOSE; NOR THAT THE IMPLEMENTATION OF SUCH CONTENTS WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE DOCUMENT OR THE PERFORMANCE OR IMPLEMENTATION OF THE CONTENTS THEREOF.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to this document or its contents without specific, written prior permission. Title to copyright in this document will at all times remain with copyright holders.

--------------------------------------------------------------------------

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, moves information on style sheets, DTDs, and schemas to the Copyright FAQ, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". See the older formulation for the policy prior to this date. Please see our Copyright FAQ for common questions about using materials from our site, such as the translating or annotating specifications. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <site-policy@w3.org>

Last revised by Reagle $Date: 2005/06/03 22:49:13 $

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
This license came from: http://www.w3.org/Consortium/Legal/copyright-software-20021231

W3C SOFTWARE NOTICE AND LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.
3. Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.
This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <site-policy@w3.org>

Last revised by Reagle $Date: 2005/06/03 22:49:13 $

HEAR YE, HEAR YE!

All of the .java software and associated documentation about the DOM in this repository are distributed under the license from the W3C, which is provided herein.

LICENSE.dom-software.txt covers all software from the W3C including the following items in the xml-commons project:

xml-commons/java/external/src/org/w3c
and all subdirectories

LICENSE.dom-documentation.txt covers all documentation from the W3C including the following items in the xml-commons project:

xml-commons/java/external/xdocs/dom
and all subdirectories

The actual DOM Java Language Binding classes in xml-commons came from:
http://www.w3.org/TR/2000/REC-DOM-Level-2-Core-20001113/java-binding.html
The original versions are tagged 'DOM_LEVEL_2'

The specification of DOM Level 2's various parts is at:
http://www.w3.org/TR/2000/REC-DOM-Level-2-Core-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Views-20001113/
This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Portions of this software were originally based on the following:
- software copyright (c) 2000 World Wide Web Consortium, http://www.w3.org

This license came from: http://www.megginson.com/SAX/copying.html
However please note future versions of SAX may be covered
under http://saxproject.org/?selected=pd

This page is now out of date -- see the new SAX site at
http://www.saxproject.org/ for more up-to-date
releases and other information. Please change your bookmarks.

SAX2 is Free!

I hereby abandon any property rights to SAX 2.0 (the Simple API for
XML), and release all of the SAX 2.0 source code, compiled code, and
documentation contained in this distribution into the Public Domain.
SAX comes with NO WARRANTY or guarantee of fitness for any
purpose.

David Megginson, david@megginson.com
2000-05-05

1.3 jaxb-runtime 2.3.0
1.3.1 Available under license :

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.1
1. Definitions.

1.1. "Contributor" means each individual or entity that creates or
contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. "Covered Software" means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. "Executable" means the Covered Software in any form other than Source Code.

1.5. "Initial Developer" means the individual or entity that first makes Original Software available under this License.

1.6. "Larger Work" means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. "License" means this document.

1.8. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means the Source Code and Executable form of any of the following:

   A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

   B. Any new file that contains any part of the Original Software or previous Modification; or

   C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. "Original Software" means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. "Source Code" means (a) the common form of computer software
code in which modifications are made and (b) associated
documentation included in or with such code.

1.13. "You" (or "Your") means an individual or a legal entity
exercising rights under, and complying with all of the terms of,
this License. For legal entities, "You" includes any entity which
controls, is controlled by, or is under common control with You. For
purposes of this definition, "control" means (a) the power, direct
or indirect, to cause the direction or management of such entity,
whether by contract or otherwise, or (b) ownership of more than
fifty percent (50%) of the outstanding shares or beneficial
ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject
to third party intellectual property claims, the Initial Developer
hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or
trademark) Licensable by Initial Developer, to use, reproduce,
modify, display, perform, sublicense and distribute the Original
Software (or portions thereof), with or without Modifications,
and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of
Original Software, to make, have made, use, practice, sell, and
offer for sale, and/or otherwise dispose of the Original Software
(or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on
the date Initial Developer first distributes or otherwise makes the
Original Software available to a third party under the terms of this
License.

(d) Notwithstanding Section 2.1(b) above, no patent license is
granted: (1) for code that You delete from the Original Software, or
(2) for infringements caused by: (i) the modification of the
Original Software, or (ii) the combination of the Original Software
with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject
to third party intellectual property claims, each Contributor hereby
grants You a world-wide, royalty-free, non-exclusive license:
(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You
believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients’ rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient’s rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.


You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make
sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Oracle is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN
6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as "Participant") alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. If You assert a patent infringement claim against Participant alleging that the Participant Software directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE
TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" (as that term is defined at 48 C.F.R. § 252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.
10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

/*
  * DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS HEADER.
  *
  * Copyright (c) 1997-2017 Oracle and/or its affiliates. All rights reserved.
  *
  * The contents of this file are subject to the terms of either the GNU
  * General Public License Version 2 only ("GPL") or the Common Development
  * and Distribution License("CDDL") (collectively, the "License"). You
  * may not use this file except in compliance with the License. You can
  * obtain a copy of the License at
  * https://oss.oracle.com/licenses/CDDL+GPL-1.1
  * or LICENSE.txt. See the License for the specific
  * language governing permissions and limitations under the License.
  *
  * When distributing the software, include this License Header Notice in each
  * file and include the License file at LICENSE.txt.
  *
  * GPL Classpath Exception:
  * Oracle designates this particular file as subject to the "Classpath"
  * exception as provided by Oracle in the GPL Version 2 section of the License
  * file that accompanied this code.
  *
  * Modifications:
  * If applicable, add the following below the License Header, with the fields
  * enclosed by brackets [] replaced by your own identifying information:
  * "Portions Copyright [year] [name of copyright owner]"
  *
  * Contributor(s):
  * If you wish your version of this file to be governed by only the CDDL or
  * only the GPL Version 2, indicate your decision by adding "[Contributor]"
  * elects to include this software in this distribution under the [CDDL or GPL
  * Version 2] license.” If you don’t indicate a single choice of license, a
  * recipient has the option to distribute your version of this file under
  * either the CDDL, the GPL Version 2 or to extend the choice of license to
  * its licensees as provided above. However, if you add GPL Version 2 code
  * and therefore, elected the GPL Version 2 license, then the option applies
  * only if the new code is made subject to such option by the copyright
  * holder.
  */
1.4 taglibs-standard 1.2.5

1.4.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
Apache Standard Taglib
Copyright 2001-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

  http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.5 jetty-rewrite 9.4.11.v20180605

1.6 osgi-core 6.0.0

1.6.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as “Not a Contribution.”

"Contributor” shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and
1.7 aws-java-sdk-core 1.11.277

1.7.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2012-2018 Amazon Technologies, Inc.
 * Portions copyright 2006-2009 James Murty. Please see LICENSE.txt
 * for applicable license terms and NOTICE.txt for applicable notices.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at:
 * http://aws.amazon.com/apache2.0
 * This file is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES
 * OR CONDITIONS OF ANY KIND, either express or implied. See the
 * License for the specific language governing permissions and
 * limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/Md5Utils.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2014-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 * Licensed under the Apache License, Version 2.0 (the "License").
 * You may not use this file except in compliance with the License.
 * A copy of the License is located at
 * http://aws.amazon.com/apache2.0
 * or in the "license" file accompanying this file. This file is distributed
 * on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
 * express or implied. See the License for the specific language governing
 * permissions and limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
No license file was found, but licenses were detected in source scan.

/**
 * Copyright 2016-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 * <p/>
 * Licensed under the Apache License, Version 2.0 (the "License"). You may not use this file except in compliance with
 * the License. A copy of the License is located at
 * <p/>
 * http://aws.amazon.com/apache2.0
 * <p/>
 * or in the "license" file accompanying this file. This file is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
 * CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions
 * and limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/util/Partitions.java
No license file was found, but licenses were detected in source scan.

/**
 * Copyright 2012-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License"). You may not use this file except in compliance with
 * the License. A copy of the License is located at
 * 
 * http://aws.amazon.com/apache2.0
 * 
 * or in the "license" file accompanying this file. This file is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
 * CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions
 * and limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/annotation/ThreadSafe.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/annotation/NotThreadSafe.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
/*
* Licensed to the Apache Software Foundation (ASF) under one or more
* contributor license agreements. See the NOTICE file distributed with
* this work for additional information regarding copyright ownership.
* The ASF licenses this file to You under the Apache License, Version 2.0
* (the "License"); you may not use this file except in compliance with
* the License. You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/log/InternalLogApi.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2014-2018 Amazon Technologies, Inc.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at:
* http://aws.amazon.com/apache2.0
*
* This file is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES
* OR CONDITIONS OF ANY KIND, either express or implied. See the
* License for the specific language governing permissions and
* limitations under the License.
*/
* credentials that don't change, or more complicated implementations, such as
* integrating with existing key management systems.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/auth/AWSCredentialsProvider.java
No license file was found, but licenses were detected in source scan.

/
* Copyright 2015-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
* 
* Licensed under the Apache License, Version 2.0 (the "License").
* You may not use this file except in compliance with the License.
* A copy of the License is located at
* 
* http://aws.amazon.com/apache2.0
* 
* or in the "license" file accompanying this file. This file is distributed
* on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing
* permissions and limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/internal/SdkMetricsSocket.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskImpl.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/http/exception/HttpRequestTimeoutException.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/handlers/StackedRequestHandler.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/http/timers/ClientExecutionAbortTaskTracker.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/http/timers/ClientExecutionTimeoutException.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/ComparableUtils.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
Open Source Used In CSPC_Collector 2.9.1

* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/Handlers/HandlerContextKey.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/internal/DelegateSocket.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/PredefinedClientConfigurations.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/DnsResolver.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/SDKGlobalTime.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/log/InternalLog.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/util/Base16Lower.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/readlimitinfo/ReadLimitInfo.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2011-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 *
 * Licensed under the Apache License, Version 2.0 (the "License);
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at:
 * http://aws.amazon.com/apache2.0
 *
 * This file is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES
 * OR CONDITIONS OF ANY KIND, either express or implied. See the
*/
* License for the specific language governing permissions and
  * limitations under the License.
  */

Found in path(s):
  */opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/auth/EC2ContainerCredentialsProviderWrapper.java
  */opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/credentials/ContainerCredentialsProvider.java
  */opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/credentials/ContainerCredentialsRetryPolicy.java
  */opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/credentials/ContainerCredentialsRetryPolicy.java
  */opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/credentials/ResettableInputStream.java

No license file was found, but licenses were detected in source scan.

  */
  * Copyright 2014-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
  *
  * Portions copyright 2006-2009 James Murty. Please see LICENSE.txt
  * for applicable license terms and NOTICE.txt for applicable notices.
  *
  * Licensed under the Apache License, Version 2.0 (the "License").
  * You may not use this file except in compliance with the License.
  * A copy of the License is located at
  *
  * http://aws.amazon.com/apache2.0
  *
  * or in the "license" file accompanying this file. This file is distributed
  * on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
  * express or implied. See the License for the specific language governing
  * permissions and limitations under the License.
  */

Found in path(s):
  */opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/credentials/ResettableInputStream.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2010-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 *
 * Licensed under the Apache License, Version 2.0 (the "License").
 * You may not use this file except in compliance with the License.
 * A copy of the License is located at
 * http://aws.amazon.com/apache2.0
 *
 * or in the "license" file accompanying this file. This file is distributed
 * on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
 * express or implied. See the License for the specific language governing
 * permissions and limitations under the License.
 */

Found in path(s):
 * /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/NamespaceRemovingInputStream.java
 * /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/metrics/ServiceMetricType.java
 * /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/http/protocol/SdkHttpRequestExecutor.java
 * /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/auth/policy/conditions/AWS4UnsignedPayloadSigner.java
 * /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/transform/SimpleTypeStaxUnmarshallers.java
 * /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/AmazonWebServiceResponse.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/ResponseMetadata.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/AmazonWebServiceClient.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/internal/config/InternalConfig.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/waiters/HttpFailureStatusAcceptor.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/retry/RetryUtils.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/metrics/MetricFilterInputStream.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/util/AWSServiceMetrics.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/handlers/RequestHandler.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/handlers/AbstractRequestHandler.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/transform/Marshaller.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/internal/config/HostRegexToRegionMapping.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/auth/AnonymousAWSCredentials.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/retry/CredentialsRequestHandler.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/metrics/AwsSdkMetrics.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/handlers/CredentialsRequestHandler.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/metrics/RequestMetricType.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/internal/config/HostRegexToRegionMappingJsonHelper.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/waiters/Waiter.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/auth/SignerParams.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/waiters/WaiterImpl.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/auth/PropertiesCredentials.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/HttpMethod.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/waiters/NoOpWaiterHandler.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/retry/internal/AuthRetryParameters.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/http/AmazonHttpClient.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/util/XpathUtils.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/metrics/ThroughputMetricType.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/waiters/WaiterTimedOutException.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/metrics/SimpleServiceMetricType.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/auth/BasicAWSCredentials.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/http/conn/Wrapped.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/metrics/ServiceMetricCollector.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/waiters/SdkFunction.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/auth/policy/conditions/ConditionFactory.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/metrics/package-info.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/waiters/WaiterExecution.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/metrics/SimpleMetricType.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/auth/policy/conditions/NumericCondition.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/metrics/MetricInputStreamEntity.java

---

**Open Source Used In CSPC_Collector 2.9.1** 97
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/handlers/RequestHandler2Adaptor.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/internal/DefaultServiceEndpointBuilder.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/metrics/ServiceLatencyProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/event/ProgressEvent.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/transform/VoidStaxUnmarshall.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/auth/policy/Principal.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/AmazonServiceException.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/metrics/MetricType.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/retry/RetryPolicy.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/ServiceNameFactory.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/ProxyAuthenticationMethod.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/auth/Signer.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/internal/SdkPredicate.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/internal/config/InternalConfigJsonHelper.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/DefaultRequest.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/auth/policy/conditions/ArnCondition.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/auth/AWS3Signer.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/waiters/WaiterState.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/waiters/WaiterExecutionBuilder.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/event/ProgressListener.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/waiters/PollingStrategyContext.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/metrics/ByteThroughputProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/RuntimeHttpUtils.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/internal/ServiceEndpointBuilder.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/transform/SimpleTypeJsonUnmarshallers.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/ClientConfiguration.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/transform/SimpleTypeJsonUnmarshallers.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/CollectionUtils.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/internal/IdentityEndpointBuilder.java

---

Open Source Used In CSPC_Collector 2.9.1 100
/*
   Copyright 2010-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
   *
   * Portions copyright 2006-2009 James Murty. Please see LICENSE.txt
   * for applicable license terms and NOTICE.txt for applicable notices.
   *
   * Licensed under the Apache License, Version 2.0 (the "License").
   * You may not use this file except in compliance with the License.
   * A copy of the License is located at
   *
   * http://aws.amazon.com/apache2.0
   *
   No license file was found, but licenses were detected in source scan.
   */
* or in the "license" file accompanying this file. This file is distributed
* on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing
* permissions and limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/util/BinaryUtils.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/util/DateUtils.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/util/Classes.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2011-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
*
* Licensed under the Apache License, Version 2.0 (the "License").
* You may not use this file except in compliance with the License.
* A copy of the License is located at
*
* http://aws.amazon.com/apache2.0
*
* or in the "license" file accompanying this file. This file is distributed
* on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing
* permissions and limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/auth/profile/internal/BasicProfile.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/internal.SdkFunction.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/protocol/DefaultMarshallingType.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/util/TimingInfoFullSupport.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/auth/profile/internal/AwsProfileNameLoader.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/regions/AwsSystemPropertyRegionProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/retry/v2/RetryCondition.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/client/AwsSyncClientParams.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/SdkBaseException.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/json/JsonOperationMetadata.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/regions/AwsRegionProviderChain.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/json/JsonProtocolMarshallerBuilder.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/retry/PredefinedBackoffStrategies.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/retry/RetryPolicyAdapter.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/internal/StaticCredentialsProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/client/ClientHandler.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/retry/v2/RetryPolicyContext.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/client/ClientHandlerParams.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/http/timers/client/SdkInterruptedException.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/RequestConfig.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/http/ExecutionContext.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/OperationInfo.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/MarshallLocation.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/retry/v2/OrRetryCondition.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/transform/PathMarshallers.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/json/internal/QueryParamMarshallers.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/profile/path/config/ConfigEnvVarOverrideLocationProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/auth/SdkClock.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/auth/presign/PresignerFacade.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/auth/AWSStaticCredentialsProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/OperationInfo.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/Marshal1location.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/retry/v2/OrRetryCondition.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/transform/PathMarshallers.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/json/internal/QueryParamMarshallers.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/profile/path/config/ConfigEnvVarOverrideLocationProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/auth/SdkClock.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
Open Source Used In CSPC_Collector 2.9.1

© Amazon Web Services, Inc. or its affiliates. All rights reserved.

Technical Information

Jar files:
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/protocol/json/JsonErrorShapeMetadata.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/protocol/Protocol.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/protocol/json/internal/MarshallerRegistry.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/protocol/json/JsonContentTypeResolver.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/util/XMLWriter.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/retry/v2/FixedDelayBackoffStrategy.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/client/builder/AwsClientBuilder.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/internal/AmazonWebServiceRequestAdapter.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/client/builder/AwsSyncClientBuilder.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/retry/v2/RetryOnExceptionsCondition.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/ClientConfigurationFactory.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/protocol/json/SdkJsonMarshallerFactory.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/http/SdkHttpMetadata.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/protocol/json/JsonContentTypeResolverImpl.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/auth/profile/internal/ProfileAssumeRoleCredentialsProvider.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/client/ClientHandlerImpl.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/protocol/json/internal/NullAsEmptyBodyProtocolRequestMarshaller.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/transform/MapUnmarshaller.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/profile/path/AwsDirectoryBasePathProvider.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/auth/profile/internal/ProfileStaticCredentialsProvider.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/retry/v2/BackoffStrategy.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/protocol/json/JsonContentTypeResolverImpl.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/http/SdkHttpMetadata.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/retry/v2/RetryOnExceptionsCondition.java
- /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11.277-sources-1.jar/com/amazonaws/http/SdkHttpMetadata.java
jar/com/amazonaws/protocol/json/internal/SimpleTypeJsonMarshallers.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/http/request/HttpRequestFactory.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/regions/DefaultAwsRegionProviderChain.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/auth/AWSRefreshableSessionCredentials.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/json/jsonErrorResponseMetadata.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/MarshallingType.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/MarshallingInfo.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/retry/v2/RetryPolicy.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/regions/InstanceMetadataRegionProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/SdkClientException.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/json/internal/JsonMarshaller.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/profile/path/config/SharedConfigDefaultLocationProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/profile/path/cred/CredentialsDefaultLocationProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/auth/profile/internal/ProfileKeyConstants.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/json/JsonClientMetadata.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/AmazonWebServiceResult.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/profile/path/config/SharedConfigDefaultLocationProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/profile/path/cred/CredentialsDefaultLocationProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/auth/profile/internal/ProfileKeyConstants.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/json/JsonClientMetadata.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/AmazonWebServiceResult.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/profile/path/cred/CredentialsLegacyConfigLocationProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/http/response/AwsResponseHandlerAdapter.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/auth/presign/PresignerParams.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/protocol/json/SdkJsonGenerator.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2010-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
*
* Licensed under the Apache License, Version 2.0 (the "License").
* You may not use this file except in compliance with the License.
* A copy of the License is located at
* http://aws.amazon.com/apache2.0
*
* or in the "license" file accompanying this file. This file is distributed
* on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing
* permissions and limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11-277-sources-1.jar/com/amazonaws/internal/config/Builder.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11-277-sources-1.jar/com/amazonaws/internal/config/SignerConfigJsonHelper.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11-277-sources-1.jar/com/amazonaws/internal/config/JsonIndex.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11-277-sources-1.jar/com/amazonaws/InternalConfig/SignerConfig.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11-277-sources-1.jar/com/amazonaws/util/ImmutableMapParameter.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1.11-277-sources-1.jar/com/amazonaws/Protocol.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2011-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
*
* Licensed under the Apache License, Version 2.0 (the "License").
* You may not use this file except in compliance with the License.
* A copy of the License is located at
* http://aws.amazon.com/apache2.0
*
* or in the "license" file accompanying this file. This file is distributed
* on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing
* permissions and limitations under the License.
* */
Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/ImmutableRequest.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/auth/SignerAsRequestSigner.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/auth/RequestSigner.java
No license file was found, but licenses were detected in source scan.

/*
 *
 * Licensed to the Apache Software Foundation (ASF) under one
 * or more contributor license agreements. See the NOTICE file
 * distributed with this work for additional information
 * regarding copyright ownership. The ASF licenses this file
 * to you under the Apache License, Version 2.0 (the
 * "License"); you may not use this file except in compliance
 * with the License. You may obtain a copy of the License at
 *
 *   http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing,
 * software distributed under the License is distributed on an
 * "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY
 * KIND, either express or implied. See the License for the
 * specific language governing permissions and limitations
 * under the License.
 *
 *===================================================================
 *
 * This software consists of voluntary contributions made by many
 * individuals on behalf of the Apache Software Foundation. For more
 * information on the Apache Software Foundation, please see
 *
 */

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/util/URLEncodedUtils.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/util/NameValuePair.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/util/BasicNameValuePair.java
No license file was found, but licenses were detected in source scan.

/*
 *
 * Copyright 2010-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 */

Open Source Used In CSPC_Collector 2.9.1 108
* Licensed under the Apache License, Version 2.0 (the "License").
* You may not use this file except in compliance with the License.
* A copy of the License is located at
*
* http://aws.amazon.com/apache2.0
*
* or in the "license" file accompanying this file. This file is distributed
* on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing
* permissions and limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/transform/SimpleTypeUnmarshallers.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/auth/SignatureVersion.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/util/XmlUtils.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/transform/VoidUnmarshaller.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/transform/Unmarshaller.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/AmazonClientException.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/transform/LegacyErrorUnmarshaller.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/auth/SigningAlgorithm.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/auth/AWSCredentials.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2012-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 *
 * Licensed under the Apache License, Version 2.0 (the "License").
 * You may not use this file except in compliance with the License.
 * A copy of the License is located at
 *
 * http://aws.amazon.com/apache2.0
 *
 * or in the "license" file accompanying this file. This file is distributed
 * on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
 * express or implied. See the License for the specific language governing
 * permissions and limitations under the License.
 */
* 
* Copyright 2012-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
* 
* Licensed under the Apache License, Version 2.0 (the "License").
* You may not use this file except in compliance with the License.
* A copy of the License is located at
* 
* http://aws.amazon.com/apache2.0
* 
* or in the "license" file accompanying this file. This file is distributed
* on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing
* permissions and limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/util/CredentialUtils.java
No license file was found, but licenses were detected in source scan.

*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/handlers/AsyncHandler.java
No license file was found, but licenses were detected in source scan.

*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-

/*
* Copyright 2014-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
*
* Licensed under the Apache License, Version 2.0 (the "License").
* You may not use this file except in compliance with the License.
* A copy of the License is located at
*
* http://aws.amazon.com/apache2.0
*
* or in the "license" file accompanying this file. This file is distributed
* on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing
* permissions and limitations under the License.
*/

No license file was found, but licenses were detected in source scan.
* A copy of the License is located at
* http://aws.amazon.com/apache2.0
*
* or in the "license" file accompanying this file. This file is distributed
* on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing
* permissions and limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/util/CapacityManager.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/util/FakeIOException.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/log/InternalLogFactory.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/http/apache/utils/ApacheUtils.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1.jar/com/amazonaws/internal/DateTimeJsonSerializer.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2011-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
* */
* Licensed under the Apache License, Version 2.0 (the "License").
* You may not use this file except in compliance with the License.
* A copy of the License is located at
*
* http://aws.amazon.com/apache2.0
*
* or in the "license" file accompanying this file. This file is divalibuted
* on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing
* permissions and limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/protocol/json/internal/JsonProtocolMarshaller.java
No license file was found, but licenses were detected in source scan.

/ *
* Copyright 2016-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
*
* Licensed under the Apache License, Version 2.0 (the "License"). You may not
* use this file except in compliance with the License. A copy of the License is
* located at
*
* http://aws.amazon.com/apache2.0
*
* or in the "license" file accompanying this file. This file is distributed on
* an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing
* permissions and limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/internal/http/ErrorCodeParser.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/internal/http/IonErrorCodeParser.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
  jar/com/amazonaws/internal/http/CompositeErrorCodeParser.java
No license file was found, but licenses were detected in source scan.

/ *
* Copyright (c) 2016 Amazon.com, Inc. or its affiliates. All Rights Reserved.
*
* Licensed under the Apache License, Version 2.0 (the "License").
* You may not use this file except in compliance with the License.
* A copy of the License is located at
* http://aws.amazon.com/apache2.0
* or in the "license" file accompanying this file. This file is distributed
* on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing
* permissions and limitations under the License.
*
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/protocol/json/SdkCborGenerator.java

No license file was found, but licenses were detected in source scan.

/ *
* Copyright 2010-2018 Amazon.com, Inc. or its affiliates. All Rights
* Reserved.
*
* Licensed under the Apache License, Version 2.0 (the "License").
* You may not use this file except in compliance with the License.
* A copy of the License is located at
* http://aws.amazon.com/apache2.0
*
* or in the "license" file accompanying this file. This file is distributed
* on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing
* permissions and limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/internal/auth/DefaultSignerProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/MetadataCache.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/adapters/types/StringToByteBufferAdapter.java
/*
 * Copyright 2013-2018 Amazon Technologies, Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at:
 *
 *    http://aws.amazon.com/apache2.0
 *
 * This file is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES
 * OR CONDITIONS OF ANY KIND, either express or implied. See the
 * License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2011-2018 Amazon Technologies, Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at:
 *
 *    http://aws.amazon.com/apache2.0
 *
 * This file is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES
 * OR CONDITIONS OF ANY KIND, either express or implied. See the
 * License for the specific language governing permissions and
 */

No license file was found, but licenses were detected in source scan.
* limitations under the License.
*/

/*

Copyright 2013-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.

Licensed under the Apache License, Version 2.0 (the "License").
You may not use this file except in compliance with the License.
A copy of the License is located at

http://aws.amazon.com/apache2.0

or in the "license" file accompanying this file. This file is distributed
on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
express or implied. See the License for the specific language governing
permissions and limitations under the License.
*/

/*

No license file was found, but licenses were detected in source scan.
*/
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/regions/RegionUtils.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/SdkRuntime.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/internal/SdkDigestInputStream.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/internal/MetricsInputStream.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/regions/Region.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/Base32.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/EncodingScheme.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/Throwables.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/AbortedException.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/internal/SdkFilterInputStream.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/regions/RegionMetadataParser.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/AbstractBase32Codec.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/Codec.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/CodecUtils.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/util/AbstractBase32Codec.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/auth/RegionAwareSigner.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/auth/AWS4Signer.java

Open Source Used In CSPC_Collector 2.9.1 119
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2016-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 *
 * Licensed under the Apache License, Version 2.0 (the "License").
 * You may not use this file except in compliance with the License.
 * A copy of the License is located at
 * http://aws.amazon.com/apache2.0
 *
 * or in the "license" file accompanying this file. This file is distributed
 * on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
 * express or implied. See the License for the specific language governing
 * permissions and limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/partitions/PartitionsLoader.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/protocol/json/SdkIonGenerator.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/regions/RegionImpl.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/partitions/model/CredentialScope.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/regions/InMemoryRegionsProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/partitions/model/Service.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/partitions/model/Endpoint.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/partitions/PartitionMetadataProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/regions/RegionMetadataProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/regions/LegacyRegionXmlLoadUtils.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/partitions/model/Partition.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/transform/SimpleTypeCborUnmarshallers.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/regions/LegacyRegionXmlMetadataBuilder.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/regions/AbstractRegionMetadataProvider.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/regions/InMemoryRegionImpl.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/partitions/model/Region.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/regions/RegionMetadataFactory.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/partitions/PartitionRegionImpl.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/protocol/json/SdkStructuredIonFactory.java
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-jar/com/amazonaws/http/apache/SdkProxyRoutePlanner.java

No license file was found, but licenses were detected in source scan.

/**
 * Copyright 2011-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 *
 * Licensed under the Apache License, Version 2.0 (the "License").
 * You may not use this file except in compliance with the License.
 * A copy of the License is located at
 *
 * http://aws.amazon.com/apache2.0
 *
 * or in the "license" file accompanying this file. This file is distributed
 * on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
 * express or implied. See the License for the specific language governing
 * permissions and limitations under the License.
 */
/**
 * Interface for providing AWS region information. Implementations are free to use any strategy for
* providing region information.
*/

Found in path(s):
* /opt/cola/permits/1137994016_1614192782.66/0/aws-java-sdk-core-1-11-277-sources-1-
jar/com/amazonaws/regions/AwsRegionProvider.java

1.8 audit 3.0-0.13.20190507gitf58ec40.el8
1.8.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations
below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

^L

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that
there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know
that what they have is not the original version, so that the original
author's reputation will not be affected by problems that might be
introduced by others.

Finally, software patents pose a constant threat to the existence of
any free program. We wish to make sure that a company cannot
effectively restrict the users of a free program by obtaining a
restrictive license from a patent holder. Therefore, we insist that
any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the
ordinary GNU General Public License. This license, the GNU Lesser
General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License. We use
this license for certain libraries in order to permit linking those
libraries into non-free programs.

When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the
entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with
the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages
are the reason we use the ordinary General Public License for many
libraries. However, the Lesser license provides advantages in certain
special circumstances.

For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it becomes
a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this
case, there is little to gain by limiting the free library to free
software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free
programs enables a greater number of people to use a large body of
free software. For example, permission to use the GNU C Library in
non-free programs enables many more people to use the whole GNU
operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.
1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.
You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.
1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.9 spring-beans 2.5.1
1.9.1 Available under license :
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work,
excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.10 mysql-jdbc 5.1.41

1.10.1 Available under license :

Found license 'General Public License 2.0' in 'Copyright (c) 2004, 2014, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this
Found license 'General Public License 2.0' in 'Copyright (c) 2009, 2016, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this
Found license 'General Public License 2.0' in 'Copyright (c) 2002, 2017, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this
* Check if given plugin requires confidentiality, but connection is without SSL private void
cHECKConfidentiality(AuthenticationPlugin plugin) throws SQLException { if (plugin.requiresConfidentiality() &&
!isSSLEstablished()) { checkConfidentiality(plugin); checkConfidentiality(plugin);
} Found license 'General Public License 2.0' in 'Copyright (c) 2014, 2017, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this
Found license 'General Public License 2.0' in 'Copyright (c) 2002, 2015, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this
Found license 'General Public License 2.0' in 'Copyright (c) 2007, 2015, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this.

---

Found license 'General Public License 2.0' in 'Copyright (c) 2005, 2016, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this.'

---

Found license 'General Public License 2.0' in 'Copyright (c) 2012, 2014, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this.'

---

Found license 'General Public License 2.0' in 'Copyright (c) 2010, 2014, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this.'

---

Found license 'General Public License 2.0' in 'Copyright (c) 2009, 2014, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this.'

---

Found license 'General Public License 2.0' in 'Copyright (c) 2002, 2017, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this.'

---

Found license 'General Public License 2.0' in 'Copyright (c) 2001, 2007, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of

the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of
the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this
Found license ‘General Public License 2.0’ in ‘Copyright (c) 2005, 2015, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this
Found license ‘General Public License 2.0’ in ‘Copyright (c) 2007, 2014, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this
Found license ‘General Public License 2.0’ in ‘Copyright (c) 2010, 2016, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this
Found license ‘General Public License 2.0’ in ‘Copyright (c) 2012, 2016, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this
public boolean requiresConfidentiality() {
...
Found license ‘General Public License 2.0’ in ‘Copyright (c) 2008, 2014, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this

Found license 'General Public License 2.0' in 'Copyright (c) 2002, 2014, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this

Found license 'General Public License 2.0' in 'Copyright (c) 2015, 2016, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this

Found license 'General Public License 2.0' in 'Copyright (c) 2015, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License沿 with this

Found license 'General Public License 2.0' in 'Copyright (c) 2002, 2016, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this

Found license 'General Public License 2.0' in 'Copyright (c) 2002, 2016, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this

The ASF licenses this file to You under the Apache License, Version 2.0 * (the "License"); you may not use this file except in compliance with * the License. You may obtain a copy of the License at *
for more details. You should have received a copy of the GNU General Public License along with this'
Found license 'General Public License 2.0' in 'Copyright (c) 2010, 2015, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms
of the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this'
Found license 'General Public License 2.0' in 'Copyright (c) 2014, Oracle and/or its affiliates. All rights reserved.
The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of
the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this'
Found license 'General Public License 2.0' in 'Copyright (c) 2005, 2014, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of
the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this'
Found license 'General Public License 2.0' in 'Copyright (c) 2012, 2015, Oracle and/or its affiliates. All rights
reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of
the GNU General Public License as published by the Free Software Foundation; version 2 This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
for more details. You should have received a copy of the GNU General Public License along with this public
boolean requiresConfidentiality() {'}

1.11 jersey-server 2.27
1.11.1 Available under license :
This content is produced and maintained by Oracle and/or its affiliates. All rights reserved.

* Project home: https://jersey.github.io

== Declared Project Licenses

This program and the accompanying materials are made available under the terms of dual license of
- COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL - Version 1.1) available at
https://oss.oracle.com/licenses/CDDL+GPL-1.1
Open Source Used In CSPC_Collector 2.9.1 161

- GNU General Public License (GPL - Version 2, June 1991) with the "Classpath Exception"

* The GNU General Public License (GPL) Version 2, June 1991
* Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street,
  Fifth Floor Boston, MA 02110-1335 USA
* Everyone is permitted to copy and distribute verbatim copies of this
  license document, but changing it is not allowed.
* Preamble
* The licenses for most software are designed to take away your freedom to
  share and change it. By contrast, the GNU General Public License is
  intended to guarantee your freedom to share and change free software--to
  make sure the software is free for all its users. This General Public
  License applies to most of the Free Software Foundation's software and
  to any other program whose authors commit to using it. (Some other Free
  Software Foundation software is covered by the GNU Library General
  Public License instead.) You can apply it to your programs, too.
* When we speak of free software, we are referring to freedom, not price.
  Our General Public Licenses are designed to make sure that you have the
  freedom to distribute copies of free software (and charge for this
  service if you wish), that you receive source code or can get it if you
  want it, that you can change the software or use pieces of it in new
  free programs; and that you know you can do these things.
* To protect your rights, we need to make restrictions that forbid anyone
  to deny you these rights or to ask you to surrender the rights. These
  restrictions translate to certain responsibilities for you if you
  distribute copies of the software, or if you modify it.
* For example, if you distribute copies of such a program, whether gratis
  or for a fee, you must give the recipients all the rights that you have.
  You must make sure that they, too, receive or can get the source code.
  And you must show them these terms so they know their rights.
* We protect your rights with two steps: (1) copyright the software, and
  (2) offer you this license which gives you legal permission to copy,
  distribute and/or modify the software.
* Also, for each author's protection and ours, we want to make certain
  that everyone understands that there is no warranty for this free
  software. If the software is modified by someone else and passed on, we
  want its recipients to know that what they have is not the original, so
  that any problems introduced by others will not reflect on the original
  authors' reputations.
* Finally, any free program is threatened constantly by software patents.  
* We wish to avoid the danger that redistributors of a free program will  
* individually obtain patent licenses, in effect making the program  
* proprietary. To prevent this, we have made it clear that any patent must  
* be licensed for everyone's free use or not licensed at all.  
*  
* The precise terms and conditions for copying, distribution and  
* modification follow.  
*  
* TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION  
*  
* 0. This License applies to any program or other work which contains a  
* notice placed by the copyright holder saying it may be distributed under  
* the terms of this General Public License. The "Program", below, refers  
* to any such program or work, and a "work based on the Program" means  
* either the Program or any derivative work under copyright law: that is  
* to say, a work containing the Program or a portion of it, either  
* verbatim or with modifications and/or translated into another language.  
* (Hereinafter, translation is included without limitation in the term  
* "modification"). Each licensee is addressed as "you".  
*  
* Activities other than copying, distribution and modification are not  
* covered by this License; they are outside its scope. The act of running  
* the Program is not restricted, and the output from the Program is  
* covered only if its contents constitute a work based on the Program  
* (independent of having been made by running the Program). Whether that  
* is true depends on what the Program does.  
*  
* 1. You may copy and distribute verbatim copies of the Program's source  
* code as you receive it, in any medium, provided that you conspicuously  
* and appropriately publish on each copy an appropriate copyright notice  
* and disclaimer of warranty; keep intact all the notices that refer to  
* this License and to the absence of any warranty; and give any other  
* recipients of the Program a copy of this License along with the Program.  
*  
* You may charge a fee for the physical act of transferring a copy, and  
* you may at your option offer warranty protection in exchange for a fee.  
*  
* 2. You may modify your copy or copies of the Program or any portion of  
* it, thus forming a work based on the Program, and copy and distribute  
* such modifications or work under the terms of Section 1 above, provided  
* that you also meet all of these conditions:  
*  
* a) You must cause the modified files to carry prominent notices stating  
* that you changed the files and the date of any change.  
*  
* b) You must cause any work that you distribute or publish, that in whole
or in part contains or is derived from the Program or any part thereof,
to be licensed as a whole at no charge to all third parties under the
terms of this License.

c) If the modified program normally reads commands interactively when
run, you must cause it, when started running for such interactive use in
the most ordinary way, to print or display an announcement including an
appropriate copyright notice and a notice that there is no warranty (or
else, saying that you provide a warranty) and that users may
redistribute the program under these conditions, and telling the user
how to view a copy of this License. (Exception: if the Program itself is
interactive but does not normally print such an announcement, your work
based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program, and
can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on
the Program, the distribution of the whole must be on the terms of this
License, whose permissions for other licensees extend to the entire
whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of a
storage or distribution medium does not bring the other work under the
scope of this License.

3. You may copy and distribute the Program (or a work based on it, under
Section 2) in object code or executable form under the terms of Sections
1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source
code, which must be distributed under the terms of Sections 1 and 2
above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to
give any third party, for a charge no more than your cost of physically
performing source distribution, a complete machine-readable copy of the
corresponding source code, to be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,
c) Accompany it with the information you received as to the offer to
distribute corresponding source code. (This alternative is allowed only
for noncommercial distribution and only if you received the program in
object code or executable form with such an offer, in accord with
Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source code
means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to control
compilation and installation of the executable. However, as a special
exception, the source code distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies the
executable.

If distribution of executable or object code is made by offering access
to copy from a designated place, then offering equivalent access to copy
the source code from the same place counts as distribution of the source
code, even though third parties are not compelled to copy the source
along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt otherwise
to copy, modify, sublicense or distribute the Program is void, and will
automatically terminate your rights under this License. However, parties
who have received copies, or rights, from you under this License will
not have their licenses terminated so long as such parties remain in
full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and all
its terms and conditions for copying, distributing or modifying the
Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further restrictions
on the recipients' exercise of the rights granted herein. You are not
responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent
* infringement or for any other reason (not limited to patent issues),
* conditions are imposed on you (whether by court order, agreement or
* otherwise) that contradict the conditions of this License, they do not
* excuse you from the conditions of this License. If you cannot distribute
* so as to satisfy simultaneously your obligations under this License and
* any other pertinent obligations, then as a consequence you may not
* distribute the Program at all. For example, if a patent license would
* not permit royalty-free redistribution of the Program by all those who
* receive copies directly or indirectly through you, then the only way you
* could satisfy both it and this License would be to refrain entirely from
* distribution of the Program.
*
* If any portion of this section is held invalid or unenforceable under
* any particular circumstance, the balance of the section is intended to
* apply and the section as a whole is intended to apply in other
* circumstances.
*
* It is not the purpose of this section to induce you to infringe any
* patents or other property right claims or to contest validity of any
* such claims; this section has the sole purpose of protecting the
* integrity of the free software distribution system, which is implemented
* by public license practices. Many people have made generous
* contributions to the wide range of software distributed through that
* system in reliance on consistent application of that system: it is up to
* the author/donor to decide if he or she is willing to distribute
* software through any other system and a licensee cannot impose that
* choice.
*
* This section is intended to make thoroughly clear what is believed to be
* a consequence of the rest of this License.
*
* 8. If the distribution and/or use of the Program is restricted in
* certain countries either by patents or by copyrighted interfaces, the
* original copyright holder who places the Program under this License may
* add an explicit geographical distribution limitation excluding those
* countries, so that distribution is permitted only in or among countries
* not thus excluded. In such case, this License incorporates the
* limitation as if written in the body of this License.
*
* 9. The Free Software Foundation may publish revised and/or new versions
* of the General Public License from time to time. Such new versions will
* be similar in spirit to the present version, but may differ in detail to
* address new problems or concerns.
*
* Each version is given a distinguishing version number. If the Program
* specifies a version number of this License which applies to it and "any
* later version", you have the option of following the terms and
* conditions either of that version or of any later version published by
* the Free Software Foundation. If the Program does not specify a version
* number of this License, you may choose any version ever published by the
* Free Software Foundation.
*
* 10. If you wish to incorporate parts of the Program into other free
* programs whose distribution conditions are different, write to the
* author to ask for permission. For software which is copyrighted by the
* Free Software Foundation, write to the Free Software Foundation; we
* sometimes make exceptions for this. Our decision will be guided by the
* two goals of preserving the free status of all derivatives of our free
* software and of promoting the sharing and reuse of software generally.
*
* NO WARRANTY
*
* 11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
* FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
* OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
* PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER
* EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE
* ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH
* YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL
* NECESSARY SERVICING, REPAIR OR CORRECTION.
*
* 12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
* WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
* AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR
* DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL
* DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM
* (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED
* INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF
* THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR
* OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
*
* END OF TERMS AND CONDITIONS
*
* How to Apply These Terms to Your New Programs
*
* If you develop a new program, and you want it to be of the greatest
* possible use to the public, the best way to achieve this is to make it
* free software which everyone can redistribute and change under these
* terms.
*
* To do so, attach the following notices to the program. It is safest to
* attach them to the start of each source file to most effectively convey
* the exclusion of warranty; and each file should have at least the
* "copyright" line and a pointer to where the full notice is found.
* One line to give the program’s name and a brief idea of what it does.
* Copyright (C) <year> <name of author>
* 
* This program is free software; you can redistribute it and/or modify it
* under the terms of the GNU General Public License as published by the
* Free Software Foundation; either version 2 of the License, or (at your
* option) any later version.
* 
* This program is distributed in the hope that it will be useful, but
* WITHOUT ANY WARRANTY; without even the implied warranty of
* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General
* Public License for more details.
* 
* You should have received a copy of the GNU General Public License along
* with this program; if not, write to the Free Software Foundation, Inc.,
* 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
* 
* Also add information on how to contact you by electronic and paper mail.
* 
* If the program is interactive, make it output a short notice like this
* when it starts in an interactive mode:
* 
* Gnomovision version 69, Copyright (C) year name of author Gnomovision
* comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is
* free software, and you are welcome to redistribute it under certain
* conditions; type `show c' for details.
* 
* The hypothetical commands `show w' and `show c' should show the
* appropriate parts of the General Public License. Of course, the commands
* you use may be called something other than `show w' and `show c'; they
* could even be mouse-clicks or menu items--whatever suits your program.
* 
* You should also get your employer (if you work as a programmer) or your
* school, if any, to sign a "copyright disclaimer" for the program, if
* necessary. Here is a sample; alter the names:
* 
* Yoyodyne, Inc., hereby disclaims all copyright interest in the program
* `Gnomovision' (which makes passes at compilers) written by James Hacker.
* 
* signature of Ty Coon, 1 April 1989
* Ty Coon, President of Vice
* 
* This General Public License does not permit incorporating your program
* into proprietary programs. If your program is a subroutine library, you
* may consider it more useful to permit linking proprietary applications
* with the library. If this is what you want to do, use the GNU Library
* General Public License instead of this License.
"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Oracle America, Inc. and/or its affiliates are subject to the following clarification and special exception to the GPLv2, based on the GNU Project exception for its Classpath libraries, known as the GNU Classpath Exception, but only where Oracle has expressly included in the particular source file’s header the words "Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the LICENSE file that accompanied this code."

You should also note that Oracle includes multiple, independent programs in this software package. Some of those programs are provided under licenses deemed incompatible with the GPLv2 by the Free Software Foundation and others. For example, the package includes programs licensed under the Apache License, Version 2.0. Such programs are licensed to you under their original licenses. Oracle facilitates your further distribution of this package by adding the Classpath Exception to the necessary parts of its GPLv2 code, which permits you to use that code in combination with other independent modules not licensed under the GPLv2. However, note that this would not permit you to commingle code under an incompatible license with Oracle’s GPLv2 licensed code by, for example, cutting and pasting such code into a file also containing Oracle’s GPLv2 licensed code and then distributing the result. Additionally, if you were to remove the Classpath Exception from any of the files to which it applies and distribute the result, you would likely be required to license some or all of the other code in that distribution under the GPLv2 as well, and since the GPLv2 is incompatible with the license terms of some items included in the distribution by Oracle, removing the Classpath Exception could therefore effectively compromise your ability to further distribute the package.

Proceed with caution and we recommend that you obtain the advice of a lawyer skilled in open source matters before removing the Classpath Exception or making modifications to this package which may subsequently be redistributed and/or involve the use of third party software.

CLASSPATH EXCEPTION

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not
* obligated to do so. If you do not wish to do so, delete this exception*
* statement from your version.

== Source Code

* https://github.com/jersey/jersey.git

== Copyright Holders

Copyright (c) 2013-2018 Oracle and/or its affiliates. All rights reserved.

== Third party technology that may be necessary for use with
this program is identified below and licensed under the terms of
the third party technology license agreement specified and
not under GPLv2 with Classpath Exception or CDDL.

org.glassfish.jersey.server.internal.monitoring.core
* License: Apache License, 2.0
* Copyright (c) 2015-2018 Oracle and/or its affiliates. All rights reserved.
* Copyright 2010-2013 Coda Hale and Yammer, Inc.
*
*                                 Apache License
*                           Version 2.0, January 2004
*                        http://www.apache.org/licenses/
*
* TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
*
* 1. Definitions.
*
* "License" shall mean the terms and conditions for use, reproduction,
* and distribution as defined by Sections 1 through 9 of this document.
*
* "Licensor" shall mean the copyright owner or entity authorized by
* the copyright owner that is granting the License.
*
* "Legal Entity" shall mean the union of the acting entity and all
* other entities that control, are controlled by, or are under common
* control with that entity. For the purposes of this definition,
* "control" means (i) the power, direct or indirect, to cause the
* direction or management of such entity, whether by contract or
* otherwise, or (ii) ownership of fifty percent (50%) or more of the
* outstanding shares, or (iii) beneficial ownership of such entity.
*
* "You" (or "Your") shall mean an individual or Legal Entity
* exercising permissions granted by this License.
*
* "Source" form shall mean the preferred form for making modifications,
* including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work,
excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
your Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
* defend, and hold each Contributor harmless for any liability
* incurred by, or claims asserted against, such Contributor by reason
* of your accepting any such warranty or additional liability.
*
* END OF TERMS AND CONDITIONS
*
* APPENDIX: How to apply the Apache License to your work.
*
* To apply the Apache License to your work, attach the following
* boilerplate notice, with the fields enclosed by brackets "[]"
* replaced with your own identifying information. (Don't include
* the brackets!) The text should be enclosed in the appropriate
* comment syntax for the file format. We also recommend that a
* file or class name and description of purpose be included on the
* same "printed page" as the copyright notice for easier
* identification within third-party archives.
*
* Copyright [yyyy] [name of copyright owner]
*
* Licensed under the Apache License, Version 2.0 (the "License);
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.

org.objectweb.asm Version 5.0.4
* License: Modified BSD (http://asm.objectweb.org/license.html)
* Copyright (c) 2000-2011 INRIA, France Telecom. All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its
* contributors may be used to endorse or promote products derived from
* this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.

1.12 ldb 2.1.3-2.el8
1.12.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright © 2007 Free Software Foundation, Inc. <https://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not
allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the
GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.
As used herein, “this License” refers to version 3 of the GNU Lesser General Public License, and the “GNU GPL”
refers to version 3 of the GNU General Public License.

“The Library” refers to a covered work governed by this License, other than an Application or a Combined Work as
defined below.

An “Application” is any work that makes use of an interface provided by the Library, but which is not otherwise
based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface
provided by the Library.

A “Combined Work” is a work produced by combining or linking an Application with the Library. The particular
version of the Library with which the Combined Work was made is also called the “Linked Version”.

The “Minimal Corresponding Source” for a Combined Work means the Corresponding Source for the Combined
Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the
Application, and not on the Linked Version.

The “Corresponding Application Code” for a Combined Work means the object code and/or source code for the
Application, including any data and utility programs needed for reproducing the Combined Work from the
Application, but excluding the System Libraries of the Combined Work.
1. Exception to Section 3 of the GNU GPL.
You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.
If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or
b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.
b) Accompany the object code with a copy of the GNU GPL and this license document.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.
b) Accompany the Combined Work with a copy of the GNU GPL and this license document.
c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.
d) Do one of the following:
0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.
1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.
e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)
You may place library facilities that are a work based on the Library side by side in a single library together with
other library facilities that are not Applications and are not covered by this License, and convey such a combined
library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other
library facilities, conveyed under the terms of this License.
b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.
The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License
from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain
numbered version of the GNU Lesser General Public License “or any later version” applies to it, you have the
option of following the terms and conditions either of that published version or of any later version published by the
Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser
General Public License, you may choose any version of the GNU Lesser General Public License ever published by
the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser
General Public License shall apply, that proxy’s public statement of acceptance of any version is permanent
authorization for you to choose that version for the Library.

1.13 perl-parent 0.237-1.el8
1.13.1 Available under license:
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548129_1591379747.05/0/perl-parent-0.237-1.el8.src.rpm-cosi-expand-
archive-Q995NCX6/perl-parent.spec
No license file was found, but licenses were detected in source scan.

---
abstract: 'Establish an ISA relationship with base classes at compile time'
author:
- 'Max Maischein <corion@cpan.org>'
build_requires:
  ExtUtils::MakeMaker: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.34, CPAN::Meta::Converter version 2.150005'
parent - Establish an ISA relationship with base classes at compile time

package Baz;
use parent qw(Foo Bar);

Allows you to both load one or more modules, while setting up inheritance from those modules at the same time. Mostly similar in effect to

package Baz;
BEGIN {
    require Foo;
    require Bar;
    push @ISA, qw(Foo Bar);
}

By default, every base class needs to live in a file of its own.
If you want to have a subclass and its parent class in the same file, you can tell C<parent> not to load any modules by using the C<norequire> switch:
package Foo;
sub exclaim { "I CAN HAS PERL" }

package DoesNotLoadFooBar;
use parent -norequire, 'Foo', 'Bar';
# will not go looking for Foo.pm or Bar.pm

This is equivalent to the following code:

package Foo;
sub exclaim { "I CAN HAS PERL" }

package DoesNotLoadFooBar;
push @DoesNotLoadFooBar::ISA, 'Foo', 'Bar';

This is also helpful for the case where a package lives within a differently named file:

package MyHash;
use Tie::Hash;
use parent -norequire, 'Tie::StdHash';

This is equivalent to the following code:

package MyHash;
require Tie::Hash;
push @ISA, 'Tie::StdHash';

If you want to load a subclass from a file that `require` would not consider an eligible filename (that is, it does not end in either `C<.pm>` or `C<.pmc>`), use the following code:

package MySecondPlugin;
require './plugins/custom.plugin'; # contains Plugin::Custom
use parent -norequire, 'Plugin::Custom';

=head1 HISTORY

This module was forked from L<base> to remove the cruft that had accumulated in it.

=head1 CAVEATS

=head1 SEE ALSO

L<base>
AUTHORS AND CONTRIBUTORS

Rafaël Garcia-Suarez, Bart Lateur, Max Maischein, Anno Siegel, Michael Schwern

MAINTAINER

Max Maischein C< corion@cpan.org >

Copyright (c) 2007-2017 Max Maischein C<< <corion@cpan.org> >>
Based on the idea of C<base.pm>, which was introduced with Perl 5.004_04.

LICENSE

This module is released under the same terms as Perl itself.

1.14 perl-lwp-mediatypes 6.02-14.el8

1.14.1 Available under license :

No license file was found, but licenses were detected in source scan.

NAME

LWP::MediaTypes - guess media type for a file or a URL

SYNOPSIS

use LWP::MediaTypes qw(guess_media_type);
$type = guess_media_type("/tmp/foo.gif");

DESCRIPTION

This module provides functions for handling media (also known as MIME) types and encodings. The mapping from file extensions to media types is defined by the media.types file. If the ~/.media.types file exists it is used instead. For backwards compatibility we will also look for ~/.mime.types.

The following functions are exported by default:

guess_media_type( $filename )
guess_media_type( $uri )
guess_media_type( $filename_or_uri, $header_to_modify )

This function tries to guess media type and encoding for a file or a URI. It returns the content type, which is a string like
"text/html". In array context it also returns any content encodings applied (in the order used to encode the file). You can pass a URI object reference, instead of the file name.

If the type can not be deduced from looking at the file name, then guess_media_type() will let the `-T' Perl operator take a look. If this works (and `-T' returns a TRUE value) then we return *text/plain* as the type, otherwise we return *application/octet-stream* as the type.

The optional second argument should be a reference to a HTTP::Headers object or any object that implements the $obj->header method in a similar way. When it is present the values of the 'Content-Type' and 'Content-Encoding' will be set for this header.

media_suffix( $type, ... )
This function will return all suffixes that can be used to denote the specified media type(s). Wildcard types can be used. In a scalar context it will return the first suffix found. Examples:

    @suffixes = media_suffix('image/*', 'audio/basic');
    $suffix = media_suffix('text/html');

The following functions are only exported by explicit request:

add_type( $type, @exts )
Associate a list of file extensions with the given media type.
Example:

    add_type("x-world/x-vrml" => qw(wrl vrml));

add_encoding( $type, @ext )
Associate a list of file extensions with an encoding type. Example:

    add_encoding("x-gzip" => "gz");

read_media_types( @files )
Parse media types files and add the type mappings found there.
Example:

    read_media_types("conf/mime.types");

COPYRIGHT
Copyright 1995-1999 Gisle Aas.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
License: (GPL+ or Artistic) and Public Domain

=over 4
=item guess_media_type( $filename )
=item guess_media_type( $uri )
=item guess_media_type( $filename_or_uri, $header_to_modify )

This function tries to guess media type and encoding for a file or a URI.
It returns the content type, which is a string like <text/html>. In array context it also returns any content encodings applied (in the order used to encode the file). You can pass a URI object reference, instead of the file name.

If the type can not be deduced from looking at the file name, then guess_media_type() will let the C<-T> Perl operator take a look. If this works (and C<-T> returns a TRUE value) then we return I<text/plain> as the type, otherwise we return I<application/octet-stream> as the type.

The optional second argument should be a reference to a HTTP::Headers object or any object that implements the $obj->header method in a similar way. When it is present the values of the 'Content-Type' and 'Content-Encoding' will be set for this header.

==item media_suffix( $type, ... )

This function will return all suffixes that can be used to denote the specified media type(s). Wildcard types can be used. In a scalar context it will return the first suffix found. Examples:

```perl
@suffixes = media_suffix('image/*', 'audio/basic');
$suffix = media_suffix('text/html');
```

=back

The following functions are only exported by explicit request:

=over 4

==item add_type( $type, @exts )

Associate a list of file extensions with the given media type. Example:

```perl
add_type("x-world/x-vrml" => qw(wrl vrml));
```

==item add_encoding( $type, @ext )

Associate a list of file extensions with an encoding type. Example:

```perl
add_encoding("x-gzip" => "gz");
```

==item read_media_types( @files )

Parse media types files and add the type mappings found there.
Example:

```perl
read_media_types("conf/mime.types");
```

=head1 COPYRIGHT

Copyright 1995-1999 Gisle Aas.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137993843_1614192700.17/0/perl-LWP-MediaTypes-6.02-14.el8-1.src.rpm-cosi-expand-archive-z2zPsqk7/LWP-MediaTypes-6.02.tar.gz-cosi-expand-archive-rfPh53TE/LWP-MediaTypes-6.02/lib/LWP/MediaTypes.pm

No license file was found, but licenses were detected in source scan.

# This file maps Internet media types to unique file extension(s).
# Although created for httpd, this file is used by many software systems
# and has been placed in the public domain for unlimited redistribution.
#
# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types. File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <http://www.iana.org/assignments/media-types/>.
#
# MIME type (lowercased)Extensions
# ============================================

<table>
<thead>
<tr>
<th>MIME Type</th>
<th>Extensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>application/1d-interleaved-parityfec</td>
<td></td>
</tr>
<tr>
<td>application/3gpp-ims+xml</td>
<td></td>
</tr>
<tr>
<td>application/activemessage</td>
<td></td>
</tr>
<tr>
<td>application/andrew-insetez</td>
<td></td>
</tr>
<tr>
<td>application/applefile</td>
<td></td>
</tr>
<tr>
<td>application/applixwareaw</td>
<td></td>
</tr>
<tr>
<td>application/atom+xmlatom</td>
<td></td>
</tr>
<tr>
<td>application/atomcat+xmlatomcat</td>
<td></td>
</tr>
<tr>
<td>application/atomicmail</td>
<td></td>
</tr>
<tr>
<td>application/atomsvc+xmlatomsvc</td>
<td></td>
</tr>
<tr>
<td>application/auth-policy+xmlml</td>
<td></td>
</tr>
<tr>
<td>application/batch-smtp</td>
<td></td>
</tr>
<tr>
<td>application/beep+xml</td>
<td></td>
</tr>
<tr>
<td>application/cals-1840</td>
<td></td>
</tr>
</tbody>
</table>
# application/ibe-pp-data
# application/iges
# application/im-iscomposing+xml
# application/index
# application/index.cmd
# application/index.obj
# application/index.response
# application/iotp
application/ipfix
# application/ipp
# application/isup
application/java-archive
application/java-serialized-object
application/java-vm
application/javascript
application/json
# application/kpml-request+xml
# application/kpml-response+xml
application/lost+xml
application/mac-binhex40
application/mac-compactpro
application/mads+xml
application/marc
application/marcxml+xml
application/mathematica
# application/mathml-content+xml
# application/mathml-presentation+xml
application/mathml+xml
# application/mbms-associated-procedure-description+xml
# application/mbms-deregister+xml
# application/mbms-envelope+xml
# application/mbms-msk+xml
# application/mbms-msk-response+xml
# application/mbms-protection-description+xml
# application/mbms-reception-report+xml
# application/mbms-register+xml
# application/mbms-register-response+xml
# application/mbms-user-service-description+xml
application/mbox
# application/media_control+xml
application/mediaservercontrol+xml
application/metalink4+xml
application/mets+xml
# application/mikey
application/mods+xml
# application/moss-keys
<table>
<thead>
<tr>
<th>MIME Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td># application/moss-signature</td>
<td></td>
</tr>
<tr>
<td># application/mosskey-data</td>
<td></td>
</tr>
<tr>
<td># application/mosskey-request</td>
<td></td>
</tr>
<tr>
<td>application/mp21</td>
<td>mp21</td>
</tr>
<tr>
<td>application/mp4s</td>
<td></td>
</tr>
<tr>
<td># application/mpeg4-generic</td>
<td></td>
</tr>
<tr>
<td># application/mpeg4-iod</td>
<td></td>
</tr>
<tr>
<td># application/mpeg4-iod-xmt</td>
<td></td>
</tr>
<tr>
<td># application/msc-ivr+xml</td>
<td></td>
</tr>
<tr>
<td>application/mxf</td>
<td>mxf</td>
</tr>
<tr>
<td># application/nasdata</td>
<td></td>
</tr>
<tr>
<td># application/news-checkgroups</td>
<td></td>
</tr>
<tr>
<td># application/news-groupinfo</td>
<td></td>
</tr>
<tr>
<td># application/news-transmission</td>
<td></td>
</tr>
<tr>
<td># application/nss</td>
<td></td>
</tr>
<tr>
<td># application/ocsp-request</td>
<td></td>
</tr>
<tr>
<td># application/ocsp-response</td>
<td></td>
</tr>
<tr>
<td>application/octet-stream</td>
<td>bin dms lha lrf lzh so iso dmg dist distz pkg bpk dump elc deploy</td>
</tr>
<tr>
<td>application/oda</td>
<td>oda</td>
</tr>
<tr>
<td>application/oebps-package+xmllopf</td>
<td></td>
</tr>
<tr>
<td>application/oggogx</td>
<td></td>
</tr>
<tr>
<td>application/onenoteonetoc</td>
<td>onetoc onetoc2 onetmp onepkg</td>
</tr>
<tr>
<td># application/parityfec</td>
<td></td>
</tr>
<tr>
<td>application/patch-ops-error+xmlixer</td>
<td></td>
</tr>
<tr>
<td>application/pdf</td>
<td>pdf</td>
</tr>
<tr>
<td>application/pgp-encryptedpypgp</td>
<td></td>
</tr>
<tr>
<td># application/pgp-keys</td>
<td></td>
</tr>
<tr>
<td>application/pgp-signatureasc sig</td>
<td></td>
</tr>
<tr>
<td>application/pics-rulesprf</td>
<td></td>
</tr>
<tr>
<td># application/pidf+xml</td>
<td></td>
</tr>
<tr>
<td># application/pidf-diff+xml</td>
<td></td>
</tr>
<tr>
<td>application/pkcs10p10</td>
<td></td>
</tr>
<tr>
<td>application/pkcs7-mimep7mp7c</td>
<td></td>
</tr>
<tr>
<td>application/pkcs7-signaturep7s</td>
<td></td>
</tr>
<tr>
<td>application/pkcs8p8</td>
<td></td>
</tr>
<tr>
<td>application/pkix-attr-certac</td>
<td></td>
</tr>
<tr>
<td>application/pkix-certcer</td>
<td></td>
</tr>
<tr>
<td>application/pkix-crlrl</td>
<td></td>
</tr>
<tr>
<td>application/pkix-pkipathpkipath</td>
<td></td>
</tr>
<tr>
<td>application/pkixemppki</td>
<td></td>
</tr>
<tr>
<td>application/pls+xmlplsls</td>
<td></td>
</tr>
<tr>
<td># application/poc-settings+xml</td>
<td></td>
</tr>
<tr>
<td>application/postscriptaieps ps</td>
<td></td>
</tr>
<tr>
<td># application/prs.alvestrand.titrax-sheet</td>
<td></td>
</tr>
<tr>
<td>application/prs.cwwcw</td>
<td></td>
</tr>
<tr>
<td># application/prs.nprend</td>
<td></td>
</tr>
</tbody>
</table>
application/vnd.data-vision.rdz
application/vnd.dece.datauvt uvfv uvd uvvd
application/vnd.dece.html+xmlluuvt uvt
application/vnd.dece.unspecified uuvx
application/vnd.denovo.fcselayout-linkfe_launch
# application/vnd.dir-bi.plate-dl-nosuffix
application/vnd.dlna
dlna
application/vnd.dolby.mlpmlp
# application/vnd.dolby.mobile.1
# application/vnd.dolby.mobile.2
application/vnd.dpgraphhdpg
application/vnd.dreamfactory
application/vnd.dvb.aitait
# application/vnd.dvb.dvbj
# application/vnd.dvb.esgcontainer
# application/vnd.dvb.ipdcdftnotifaccess
# application/vnd.dvb.ipdcegsaccess
# application/vnd.dvb.ipdcegsaccess2
# application/vnd.dvb.ipdcesgpdd
# application/vnd.dvb.ipdcreaming
# application/vnd.dvb.iptv.alfec-base
# application/vnd.dvb.iptv.alfec-enhancement
# application/vnd.dvb.notif-aggregate-root+xml
# application/vnd.dvb.notif-container+xml
# application/vnd.dvb.notif-generic+xml
# application/vnd.dvb.notif-ia-msglist+xml
# application/vnd.dvb.notif-ia-registration-request+xml
# application/vnd.dvb.notif-ia-registration-response+xml
# application/vnd.dvb.notif-init+xml
# application/vnd.dvb.pfr
application/vnd.dvb.servicessvc
dvb
application/vnd.dynageogeo
dynageogeo
# application/vnd.easykaraoke.cdgdownload
dbgdownload
# application/vnd.ecdis-update
degu
application/vnd.ecowin.chartmag
# application/vnd.ecowin.fileresquest
# application/vnd.ecowin.fileupdate
dowma
# application/vnd.ecowin.series
dowmg
# application/vnd.ecowin.seriesrequest
dowmg
# application/vnd.ecowin.seriesupdate
dowmg
# application/vnd.emclient.accessrequest+xml
eclientaccessrequest+xml
application/vnd.enliven
tnm1
application/vnd.epson.esf	esf
application/vnd.epson.msf
msf
application/vnd.epson.quickanimeqam
application/vnd.epson.saltssl
application/vnd.epson.ssfssf
# application/vnd.infotech.project
# application/vnd.infotech.project+xml
application/vnd.insors.igm
application/vnd.intercon.formnet xpw xpx
application/vnd.intergeo2g
# application/vnd.intertrust.digibox
# application/vnd.intertrust.ncnp
application/vnd.intu.qbo qbo
application/vnd.intu.qfx qfx
# application/vnd.iptc.g2.conceptitem+xml
# application/vnd.iptc.g2.knowledgeitem+xml
# application/vnd.iptc.g2.newsitem+xml
# application/vnd.iptc.g2.packageitem+xml
application/vnd.ipunplugged.rcprofile
application/vnd.irepository.package+xml
application/vnd.is-ac.fcs
application/vnd.jam
# application/vnd.japannet-directory-service
# application/vnd.japannet-jpnstore-wakeup
# application/vnd.japannet-payment-wakeup
# application/vnd.japannet-registration
# application/vnd.japannet-registration-wakeup
# application/vnd.japannet-setstore-wakeup
# application/vnd.japannet-verification
# application/vnd.japannet-verification-wakeup
application/vnd.jcp.javame.midlet-rms
application/vnd.jisp
application/vnd.joost.joda
application/vnd.kahootz ktr
application/vnd.kde.karbon
application/vnd.kde.kchart
application/vnd.kde.kformula
application/vnd.kde.kivio
application/vnd.kde.kontour
application/vnd.kde.kpresenter kpt
application/vnd.kde.kspread
application/vnd.kde.kword kwd kwt
application/vnd.kenameaapptke
application/vnd.kidspiration
application/vnd.kinarkne knp
application/vnd.koans kp skd skt skm
application/vnd.kodak-descriptor
application/vnd.las.las+xml
# application/vnd.liberty-request+xml
application/vnd.llamagraphics.life-balance.desktop
application/vnd.llamagraphics.life-balance.exchange+xml
application/vnd.lotus-1-2-3
application/vnd.lsmusic
Open Source Used In CSPC_Collector 2.9.1

- application/vnd.lotus-approach
- application/vnd.lotus-freelance
- application/vnd.lotus-notes
- application/vnd.lotus-organizer
- application/vnd.lotus-screencam
- application/vnd.lotus-wordpro
- application/vnd.macports.portpkg
- application/vnd.marlin.drm.actiontoken+xml
- application/vnd.marlin.drm.confisnket+xml
- application/vnd.marlin.drm.license+xml
- application/vnd.marlin.drm.mdcf
- application/vnd.medcalcdatamc1
- application/vnd.mediatation.cdkey
- application/vnd.meridian-slingshot
- application/vnd.mfer
- application/vnd.mfmp
- application/vnd.micrografx.flo
- application/vnd.micrografx.igx
- application/vnd.mif
- application/vnd.mophun.application
- application/vnd.mophun.certificate
- application/vnd.motorola.flexsuite
- application/vnd.motorola.flexsuite.adsi
- application/vnd.motorola.flexsuite.fis
- application/vnd.motorola.flexsuite.gotap
- application/vnd.motorola.flexsuite.kmr
- application/vnd.motorola.flexsuite.ttc
- application/vnd.motorola.flexsuite.wem
- application/vnd.motorola.iprm
- application/vnd.mozilla.xul+xml
- application/vnd.mozilla.xul+xml
- application/vnd.ms-artgalry
- application/vnd.ms-asf
- application/vnd.ms-cab-compressed
- application/vnd.ms-excel
- application/vnd.ms-excel.addin.macroenabled.12
- application/vnd.ms-excel.sheet.binary.macroenabled.12
- application/vnd.ms-excel.sheet.macroenabled.12
- application/vnd.ms-excel.template.macroenabled.12
application/vnd.nokia.landmarkcollection+xml
application/vnd.nokia.n-gage.ac+xml
application/vnd.nokia.n-gage.datangdat
application/vnd.nokia.n-gage.symbian.installn-gage
application/vnd.nokia.ncd
application/vnd.nokia.pcd+wbxml
application/vnd.nokia.pcd+xml
application/vnd.nokia.radio-presetrpst
application/vnd.nokia.radio-presetsrpss
application/vnd.novadigm.edmedm
application/vnd.novadigm.edxedx
application/vnd.novadigm.extext
application/vnd.oasis.opendocument.chart
application/vnd.oasis.opendocument.chart-template
application/vnd.oasis.opendocument.database
application/vnd.oasis.opendocument.databaseodm
application/vnd.oasis.opendocument.formula
application/vnd.oasis.opendocument.formula-template
application/vnd.oasis.opendocument.graphics
application/vnd.oasis.opendocument.graphics-template
application/vnd.oasis.opendocument.image
application/vnd.oasis.opendocument.image-template
application/vnd.oasis.opendocument.presentation
application/vnd.oasis.opendocument.presentation-template
application/vnd.oasis.opendocument.spreadsheet
application/vnd.oasis.opendocument.spreadsheet-template
application/vnd.oasis.opendocument.text
application/vnd.oasis.opendocument.text-master
application/vnd.oasis.opendocument.text-template
application/vnd.oasis.opendocument.text-web
application/vnd.oipf.contentaccessdownload+xml
application/vnd.oipf.contentaccessstreaming+xml
application/vnd.oipf.cspg-hexbinary
application/vnd.oipf.dae.svg+xml
application/vnd.oipf.dae.xhtml+xml
application/vnd.oipf.mippvcontrolmessage+xml
application/vnd.oipf.pae.gem
application/vnd.oipf.spdiscovery+xml
application/vnd.oipf.spdlist+xml
application/vnd.oipf.userprofile+xml
application/vnd.olpc-sugarx0
application/vnd.oma-scws-config
application/vnd.oma-scws-http-request
application/vnd.oma-scws-http-response
# application/vnd.oma.bcast.associated-procedure-parameter+xml
# application/vnd.oma.bcast.drm-trigger+xml
# application/vnd.oma.bcast.imd+xml
# application/vnd.oma.bcast.ltkm
# application/vnd.oma.bcast.notification+xml
# application/vnd.oma.bcast.provisioningtrigger
# application/vnd.oma.bcast.sgboot
# application/vnd.oma.bcast.sgdd+xml
# application/vnd.oma.bcast.sgdu
# application/vnd.oma.bcast.simple-symbol-container
# application/vnd.oma.bcast.smartcard-trigger+xml
# application/vnd.oma.bcast.sprov+xml
# application/vnd.oma.bcast.stkm
# application/vnd.oma.cab-address-book+xml
# application/vnd.oma.cab-pcc+xml
# application/vnd.oma.dcd
# application/vnd.oma.dcdc
application/vnd.oma.dd2+xmld2
# application/vnd.oma.drm.risd+xml
# application/vnd.oma.group-usage-list+xml
# application/vnd.oma.poc.detailed-progress-report+xml
# application/vnd.oma.poc.final-report+xml
# application/vnd.oma.poc.groups+xml
# application/vnd.oma.poc.invocation-descriptor+xml
# application/vnd.oma.poc.optimized-progress-report+xml
# application/vnd.oma.push
# application/vnd.oma.scidm.messages+xml
# application/vnd.oma.xcap-directory+xml
# application/vnd.omads-email+xml
# application/vnd.omads-file+xml
# application/vnd.omads-folder+xml
# application/vnd.omaloc-supl-init
application/vnd.openofficeorg.extension+oxt
# application/vnd.openxmlformats-officedocument.custom-properties+xml
# application/vnd.openxmlformats-officedocument.customxml-properties+xml
# application/vnd.openxmlformats-officedocument.drawing+xml
# application/vnd.openxmlformats-officedocument.drawingml.chart+xml
# application/vnd.openxmlformats-officedocument.drawingml.chartshapes+xml
# application/vnd.openxmlformats-officedocument.drawingml.diagmcolors+xml
# application/vnd.openxmlformats-officedocument.drawingml.diagmdata+xml
# application/vnd.openxmlformats-officedocument.drawingml.diagmlayout+xml
# application/vnd.openxmlformats-officedocument.drawingml.diagmstyle+xml
# application/vnd.openxmlformats-officedocument.extended-properties+xml
# application/vnd.openxmlformats-officedocument.presentationml.commentauthors+xml
# application/vnd.openxmlformats-officedocument.presentationml.comments+xml
# application/vnd.openxmlformats-officedocument.presentationml.handoutmaster+xml
# application/vnd.openxmlformats-officedocument.presentationml.notesmaster+xml
# application/vnd.openxmlformats-officedocument.presentationml.notesslide+xml
Open Source Used In CSPC_Collector 2.9.1 198
Open Source Used In CSPC_Collector 2.9.1 201
# audio/atrac-x
# audio/atrac3
audio/basic snd
# audio/bv16
# audio/bv32
# audio/clearmode
# audio/cn
# audio/dat12
# audio/dls
# audio/dsr-es201108
# audio/dsr-es202050
# audio/dsr-es202211
# audio/dsr-es202212
# audio/dvi4
# audio/eac3
# audio/evrc
# audio/evrc-qcp
# audio/evrc0
# audio/evrc1
# audio/evrcb
# audio/evrcb0
# audio/evrcb1
# audio/evrcwb
# audio/evrcwb0
# audio/evrcwb1
# audio/example
# audio/g719
# audio/g722
# audio/g7221
# audio/g723
# audio/g726-16
# audio/g726-24
# audio/g726-32
# audio/g726-40
# audio/g728
# audio/g729
# audio/g7291
# audio/g729d
# audio/g729e
# audio/gsm
# audio/gsm-efr
# audio/gsm-hr-08
# audio/ilbc
# audio/116
# audio/120
# audio/124
# audio/18
# audio/lpc
image/jpeg jpg jpe
# image/jpm
# image/jpx
image/ktxktx
# image/naplps
image/png png
# image/prs.bitif.tif
# image/prs.pti
dimage/svg+xml svgz
# image/t38
image/tiff.tif tif
# image/tiff-fx
image/vnd.adobe.photoshopsd
# image/vnd.cns.inf2
image/vnd.dece.graphic uvi uvg uvg
image/vnd.dvb.subtitlesub
image/vnd.djvudjvudjv djv
image/vnd.dwgdw
image/vnd.dxf dxf
image/vnd.fastbidsheet fbs
image/vnd.fpx fpx
image/vnd.fst fst
image/vnd.fuji.xerox.edmics-mmrmr
image/vnd.fuji.xerox.edmics-rlr
# image/vnd.globalgraphics.pgb
# image/vnd.microsoft.icon
# image/vnd.mix
image/vnd.ms-modimdi
image/vnd.net-fpx npx
# image/vnd.radiance
# image/vnd.sealed.png
# image/vnd.sealedmedia.softseal.gif
# image/vnd.sealedmedia.softseal.jpg
# image/vnd.svf
image/vnd.wap.wbmp wbmp
image/vnd.xif xif
image/webp webp
image/x-cmu-rasterras
image/x-cmx cmx
image/x-freehand fhc fh4 fh5 fh7
image/x-iconico
image/x-pcx pcx
image/x-pictic pct
image/x-portable-anymappnm
image/x-portable-bitmappbm
image/x-portable-graymappgm
image/x-portable-pixmapppm
image/x-rgbrgb
image/x-xbitmap
image/x-xpixmap
image/x-xwindowdump
# message/cpim
# message/delivery-status
# message/disposition-notification
# message/example
# message/external-body
# message/feedback-report
# message/global
# message/global-delivery-status
# message/global-disposition-notification
# message/global-headers
# message/http
# message/imdn+xml
# message/news
# message/partial
message/rfc822
message/rfc822eml
mime
# message/s-http
# message/sip
# message/sipfrag
# message/tracking-status
# message/vnd.si.simp
# model/example
model/iges
iges
model/mesh
mesh
silo
model/vnd.collada+xml
dae
model/vnd.dwf
dwf
# model/vnd.flatland.3dml
model/vnd.gdldgl
dl
dl
# model/vnd.gs-gdl
model/vnd.gs-gdl
model/vnd.gtwgtw
gtw
gtw
# model/vnd.moml+xml
model/vnd.moml
xml
model/vnd.mts
model/vnd.parasolid.transmit.binary
model/vnd.parasolid.transmit.text
model/vnd.vtu
model/vrml
wrl
vrml
# multipart/alternative
# multipart/appledouble
# multipart/byteranges
# multipart/digest
# multipart/encrypted
# multipart/example
# multipart/form-data
# multipart/header-set
# multipart/mixed
video/mpeg
video/mpg
video/mpe
video/m1v
video/m2v
# video/mpeg4-generic
# video/mpv
# video/nv
video/ogg
# video/parityfec
# video/pointer
video/quicktime
video/rmvb
# video/rtp-enc-aescm128
# video/rtx
# video/smpte292m
# video/ulpfec
# video/vc1
# video/vnd.cctv
video/vnd.dece.hd
video/vnd.dece.mobile
video/vnd.dece.mp4
video/vnd.dece.pduvp
video/vnd.dece.sdv
video/vnd.dece.sdv
video/vnd.dece.videou
# video/vnd.directv.mpeg
# video/vnd.directv.mpeg-tts
# video/vnd.dlna.mpeg-tts
video/vnd.fvt
# video/vnd.hns.video
# video/vnd.iptvforum.1dparityfec-1010
# video/vnd.iptvforum.1dparityfec-2005
# video/vnd.iptvforum.2dparityfec-1010
# video/vnd.iptvforum.2dparityfec-2005
# video/vnd.iptvforum.ttsavc
# video/vnd.iptvforum.tsmpeg2
# video/vnd.motorola.video
# video/vnd.motorola.videop
video/vnd.mpegurlmxu
video/vnd.ms-playready.media.pyvpyv
# video/vnd.nokia.interleaved-multimedia
# video/vnd.nokia.videovoip
# video/vnd.objectvideo
# video/vnd.sealed.mpeg
# video/vnd.sealed.mp4
# video/vnd.sealed.swf
# video/vnd.sealedmedia.softseal.mov
video/vnd.uvvu.mp4
video/vnd.vivoviv
video/webm
video/x-f4v
video/x-flif
video/x-flvflv
video/x-m4vm4v
video/x-ms-asfasmx
video/x-ms-wmwm
video/x-ms-wmvwmv
video/x-ms-wmwxwmx
video/x-ms-wxwxwvx
video/x-msvideomovie
video/x-sgi-movie
x-conference/x-cooltalkice

Found in path(s):
* /opt/cola/permits/1137993843_1614192700.17/0/perl-LWP-MediaTypes-6.02-14.el8-1.src.rpm-cosi-expand-archive-z2zPsqk7/LWP-MediaTypes-6.02.tar.gz-cosi-expand-archive-rfPh53TE/LWP-MediaTypes-6.02/lib/LWP/media.types

1.15 rfkill 2.32.1-17.el8
1.15.1 Available under license:

/*
 * Copyright (c) 1989 The Regents of the University of California.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 * 3. All advertising materials mentioning features or use of this software
 *    must display the following acknowledgement:
 *    This product includes software developed by the University of
 *    California, Berkeley and its contributors.
 * 4. Neither the name of the University nor the names of its contributors
 *    may be used to endorse or promote products derived from this software
 *    without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

The complete text of the license is available in the ../Documentation/licenses/COPYING.LGPLv2.1 file.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to

Open Source Used In CSPC_Collector 2.9.1 215
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, and the entire permission notice in its entirety,
   including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote
   products derived from this software without specific prior
   written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF
WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE
USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH
DAMAGE.

This library is free software; you can redistribute it and/or
modify it under the terms of the Modified BSD License.

The complete text of the license is available in the
../Documentation/licenses/COPYING.BSD-3 file.

Permission to use, copy, modify, and/or distribute this software for any
purpose with or without fee is hereby granted, provided that the above
copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES
WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR
ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF
OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

1.16 jdom 1.1.3

1.16.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*--

@Id: SAXOutputter.java,v 1.40 2007/11/10 05:29:01 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/
Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/output/SAXOutputter.java

No license file was found, but licenses were detected in source scan.

/*--

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
"This product includes software developed by the
JDOM Project (http://www.jdom.org)/."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, 
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT 
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF 
SUCH DAMAGE.

This software consists of voluntary contributions made by many 
individuals on behalf of the JDOM Project and was originally 
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and 
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information 
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1- 
jar/org/jdom/adapters/JAXPDOMAdapter.java
No license file was found, but licenses were detected in source scan.

/*--
$Id: OrFilter.java,v 1.5 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without 
modification, are permitted provided that the following conditions 
are met:

1. Redistributions of source code must retain the above copyright 
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright 
notice, this list of conditions, and the disclaimer that follows 
these conditions in the documentation and/or other materials 
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products 
derived from this software without prior written permission. For 
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor 
may "JDOM" appear in their name, without prior written permission 
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the 
end-user documentation provided with the redistribution and/or in the 
software itself an acknowledgement equivalent to the following:
"This product includes software developed by the JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/filter/OrFilter.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: JDOMException.java,v 1.26 2008/12/10 00:59:51 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.
3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/JDOMException.java
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>. 
Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/adapters/AbstractDOMAdapter.java

No license file was found, but licenses were detected in source scan.


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
   derived from this software without prior written permission. For
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
   may "JDOM" appear in their name, without prior written permission
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
   JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
/*
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/Namespace.java
*/

No license file was found, but licenses were detected in source scan.

$Id: XSLTransformer.java,v 1.5 2007/11/14 04:36:54 jhunter Exp $

Copyright (C) 2001-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
   derived from this software without prior written permission. For
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
   may "JDOM" appear in their name, without prior written permission
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

“This product includes software developed by the
JDOM Project (http://www.jdom.org/).”

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED “AS IS” AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-
jar/org/jdom/transform/XSLTransformer.java
No license file was found, but licenses were detected in source scan.

*/

$Id: Verifier.java,v 1.57 2009/07/23 05:54:23 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/Verifier.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: SAXHandler.java,v 1.73 2007/11/10 05:29:00 jhunter Exp $
Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.  
All rights reserved.

Redistribution and use in source and binary forms, with or without 
modification, are permitted provided that the following conditions 
are met:

1. Redistributions of source code must retain the above copyright 
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright 
   notice, this list of conditions, and the disclaimer that follows 
   these conditions in the documentation and/or other materials 
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products 
   derived from this software without prior written permission.  For 
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor 
   may "JDOM" appear in their name, without prior written permission 
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the 
end-user documentation provided with the redistribution and/or in the 
software itself an acknowledgement equivalent to the following:

   "This product includes software developed by the 
    JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos 

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED 
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES 
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE 
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT 
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, 
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT 
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF 
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND 
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, 
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT 
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF 
SUCH DAMAGE.

This software consists of voluntary contributions made by many 
individuals on behalf of the JDOM Project and was originally 
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and 
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/input/SAXHandler.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: DocType.java,v 1.32 2007/11/10 05:28:58 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/DocType.java
No license file was found, but licenses were detected in source scan.

/ *--

$Id: JDOMParseException.java,v 1.8 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1.jar/org/jdom/input/JDOMParseException.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: XSLTransformException.java,v 1.4 2007/11/10 05:29:02 jhunter Exp$

Copyright (C) 2003-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1.jar/org/jdom/transform/XSLTransformException.java
No license file was found, but licenses were detected in source scan.

*/
Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/ContentList.java
No license file was found, but licenses were detected in source scan.

/*--
$Id: Filter.java,v 1.10 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
   derived from this software without prior written permission. For
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
   may "JDOM" appear in their name, without prior written permission
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
   "This product includes software developed by the
    JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/filter/Filter.java
No license file was found, but licenses were detected in source scan.

/*/


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.
In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

“THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/adapters/XercesDOMAdapter.java
No license file was found, but licenses were detected in source scan.

/"---


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/IllegalAddException.java
No license file was found, but licenses were detected in source scan.

//*--
Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1.1.3-sources-1-jar/org/jdom/adapters/CrimsonDOMAdapter.java
No license file was found, but licenses were detected in source scan.

/*--

Std: NegateFilter.java,v 1.4 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

/*

* Found in path(s):
*/

$Id: XMLOuttputter.java,v 1.117 2009/07/23 05:54:23 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgement may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/output/XMLOutputter.java
No license file was found, but licenses were detected in source scan.

/*--
$Id: BuilderErrorHandler.java,v 1.13 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-
jar/org/jdom/input/BuilderErrorHandler.java
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

   "This product includes software developed by the
    JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
Such damage.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/ProcessingInstruction.java

No license file was found, but licenses were detected in source scan.

/*--

$Id: JDOMSource.java,v 1.20 2007/11/10 05:29:02 jhunter Exp $

Copyright (C) 2001-2007 Jason Hunter & Brett McLaughlin. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos."
THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/transform/JDOMSource.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: JDOMFactory.java,v 1.9 2007/11/10 05:28:59 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.
4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/JDOMFactory.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: JDOMLocator.java,v 1.4 2007/11/10 05:29:01 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

“This product includes software developed by the JDOM Project (http://www.jdom.org/).”

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/output/JDOMLocator.java

Open Source Used In CSPC_Collector 2.9.1 253
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/adapters/DOMAdapter.java
No license file was found, but licenses were detected in source scan.

/ *--

$Id: NamespaceKey.java,v 1.2 2007/11/10 05:28:59 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.
THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/NamespaceKey.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: Element.java,v 1.159 2007/11/14 05:02:08 jhunter Exp$

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

---

Open Source Used In CSPC_Collector 2.9.1  256
4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*-

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/Element.java
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/Attribute.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: JAXPParserFactory.java,v 1.6 2007/11/10 05:29:00 jhunter Exp$

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/input/JAXPParserFactory.java
No license file was found, but licenses were detected in source scan.

/"--

$Id: Comment.java,v 1.33 2007/11/10 05:28:58 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos...

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

/*--

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/Comment.java
No license file was found, but licenses were detected in source scan.

/"--
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/AttributeList.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: JaxenXPath.java,v 1.20 2007/11/10 05:29:02 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
  */opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/IllegalDataException.java

No license file was found, but licenses were detected in source scan.

/*--

$Id: DOMOutputter.java,v 1.43 2007/11/10 05:29:01 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos
THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*-

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/output/DOMOutputter.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: DescendantIterator.java,v 1.6 2007/11/10 05:28:58 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED `AS IS` AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/DescendantIterator.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: CDATA.java,v 1.32 2007/11/10 05:28:58 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:
"This product includes software developed by the JDOM Project (http://www.jdom.org)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*--

$Id: IllegalTargetException.java,v 1.15 2007/11/10 05:28:59 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/IllegalTargetException.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: JDOMResult.java,v 1.24 2007/11/10 05:29:02 jhunter Exp $

Copyright (C) 2001-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos.
THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
*/opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/transform/JDOMResult.java
No license file was found, but licenses were detected in source scan.

/*--

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/UncheckedJDOMFactory.java

No license file was found, but licenses were detected in source scan.

/*--

$Id: Content.java,v 1.6 2007/11/10 05:28:58 jhunter Exp$

Copyright (C) 2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without...
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/
Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/Content.java
No license file was found, but licenses were detected in source scan.

/*--
$Id: SAXBuilder.java,v 1.93 2009/07/23 06:26:26 jhunter Exp$

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED `"AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/input/SAXBuilder.java
No license file was found, but licenses were detected in source scan.

/__*/

$Id: AbstractFilter.java,v 1.6 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:
"This product includes software developed by the JDOM Project (http://www.jdom.org)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/filter/AbstractFilter.java
No license file was found, but licenses were detected in source scan.

/ *--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

   "This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/EntityRef.java

No license file was found, but licenses were detected in source scan.

/"*/

$Id: DefaultJDOMFactory.java,v 1.7 2007/11/10 05:28:58 jhunter Exp$

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/
No license file was found, but licenses were detected in source scan.

/*--
$Id: OracleV1DOMAdapter.java,v 1.20 2007/11/10 05:28:59 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
   derived from this software without prior written permission.  For
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
   may "JDOM" appear in their name, without prior written permission
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,

OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-
jar/org/jdom/adapters/OracleV1DOMAdapter.java
No license file was found, but licenses were detected in source scan.

*/

$Id: XML4JDOMAdapter.java,v 1.18 2007/11/10 05:28:59 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
   may "JDOM" appear in their name, without prior written permission
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
"This product includes software developed by the
JDOM Project (http://www.jdom.org)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/adapters/XML4JDOMAdapter.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: IllegalNameException.java,v 1.14 2007/11/10 05:28:59 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.
3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/IllegalNameException.java
No license file was found, but licenses were detected in source scan.

/*/

$Id: NamespaceStack.java,v 1.14 2007/11/10 05:29:01 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

---

Open Source Used In CSPC_Collector 2.9.1 283
Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/jdom/output/NamespaceStack.java

No license file was found, but licenses were detected in source scan.


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-
jar/org/jdom/DataConversionException.java
No license file was found, but licenses were detected in source scan.

/[*--

$Id: FilterIterator.java,v 1.6 2007/11/10 05:28:59 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

“This product includes software developed by the
JDOM Project (http://www.jdom.org/).”

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/FilterIterator.java
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/output/Format.java
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.
Found in path(s):
/* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/Document.java
No license file was found, but licenses were detected in source scan.
*/


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
   derived from this software without prior written permission.  For
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
   may "JDOM" appear in their name, without prior written permission
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT

LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/Text.java
No license file was found, but licenses were detected in source scan.

/*/

$Id: ContentFilter.java,v 1.15 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

“This product includes software developed by the
JDOM Project (http://www.jdom.org/).”
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/filter/ContentFilter.java

No license file was found, but licenses were detected in source scan.

/ *--

$Id: TextBuffer.java,v 1.10 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials

Open Source Used In CSPC_Collector 2.9.1 291
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/input/TextBuffer.java
No license file was found, but licenses were detected in source scan.

/ *--

$Id: XPath.java,v 1.17 2007/11/10 05:29:02 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin. 
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.
No license file was found, but licenses were detected in source scan.

$Id: DOMBuilder.java,v 1.60 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/input/DOMBuilder.java
No license file was found, but licenses were detected in source scan.

/*/

$Id: ElementFilter.java,v 1.20 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY. WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/filter/ElementFilter.java
No license file was found, but licenses were detected in source scan.

/*/

$Id: AndFilter.java,v 1.4 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/filter/AndFilter.java
No license file was found, but licenses were detected in source scan.

/"*/


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED \"AS IS\" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>. 
Open Source Used In CSPC_Collector 2.9.1

*/

Found in path(s):
*/opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-
jar/org/jdom/adapters/OracleV2DOMAdapter.java
No license file was found, but licenses were detected in source scan.

/\-


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1.1-3-sources-1-jar/org/jdom/output/EscapeStrategy.java
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the 
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos 

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED 
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES 
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE 
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT 
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, 
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT 
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF 
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND 
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, 
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT 
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF 
SUCH DAMAGE.

This software consists of voluntary contributions made by many 
individuals on behalf of the JDOM Project and was originally 
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and 
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information 
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1135863741_1613618250.91/0/jdom-1-1-3-sources-1-jar/org/jdom/Parent.java

1.17 authselect 1.1 2.el8

1.17.1 Available under license :

GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies 
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for 
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents.
States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated
conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.


No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work’s users, your or third parties’ legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program’s source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey,
and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the
Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent
that they are valid under applicable law. If additional permissions
apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.
If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.
10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent
(such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.
THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

1.18 libsgutils 1.44-3.el8
1.18.1 Available under license:

Upstream Authors: Douglas Gilbert <dgilbert at interlog dot com>,
Bruce Allen <ballen at gravity dot phys dot uwm dot edu>,
Peter Allworth <linsol at zeta dot org dot au>,
James Bottomley <jejb at parisc-linux dot org>,
Lars Marowsky-Bree <lmb at suse dot de>,
Kurt Garloff <garloff at suse dot de>,
Grant Grundler <grundler at parisc-linux dot org>,
Christophe Varoqui <christophe dot varoqui at free dot fr>,
Michael Weller <eowmob at exp-math dot uni-essen dot de>,
Eric Youngdale <eric at andante dot org>

Copyright:

This software is copyright(c) 1994-2012 by the authors

Most of the code in this package is covered by a BSD license.
On Debian systems, the complete text of the BSD License
in the library (usually called libsgutils) is covered by a
BSD license.

Some of the older utilities are covered by the GPL. More precisely:
You are free to distribute this software under the terms of the
GNU General Public License either version 2, or (at your option)
any later version. On Debian systems, the complete text of the GNU
General Public License can be found in /usr/share/common-licenses/GPL-2
file. The later GPL-3 is found in /usr/share/common-licenses/GPL-3
file but no code in this package refers to that license.

Douglas Gilbert
10th April 2012

Copyright (c) 1999-2018, Douglas Gilbert
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this
   list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice,
   this list of conditions and the following disclaimer in the documentation
   and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR
ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
1.19 commons-fileupload 1.4

1.19.1 Available under license:

Apache Commons FileUpload
Copyright 2002-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work,
excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following

---

Open Source Used In CSPC_Collector 2.9.1 320
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.20 activemq-jaas 5.16.1

1.20.1 Available under license :

ActiveMQ :: JAAS
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same “printed page” as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.21 hawtbuf 1.11
1.22 elfutils 0.176-5.el8
1.22.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a
notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.
Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.
A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or
similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive
A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).
The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the
violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.
A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.
A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".
You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the
object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:
a) Give prominent notice with each copy of the Combined Work that
the Library is used in it and that the Library and its use are
covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license
document.

c) For a Combined Work that displays copyright notices during
execution, include the copyright notice for the Library among
these notices, as well as a reference directing the user to the
copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this
License, and the Corresponding Application Code in a form
suitable for, and under terms that permit, the user to
recombine or relink the Application with a modified version of
the Linked Version to produce a modified Combined Work, in the
manner specified by section 6 of the GNU GPL for conveying
Corresponding Source.

1) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (a) uses at run time
a copy of the Library already present on the user's computer
system, and (b) will operate properly with a modified version
of the Library that is interface-compatible with the Linked
Version.

e) Provide Installation Information, but only if you would otherwise
be required to provide such information under section 6 of the
GNU GPL, and only to the extent that such information is
necessary to install and execute a modified version of the
Combined Work produced by recombining or relinking the
Application with a modified version of the Linked Version. (If
you use option 4d0, the Installation Information must accompany
the Minimal Corresponding Source and Corresponding Application
Code. If you use option 4d1, you must provide the Installation
Information in the manner specified by section 6 of the GNU GPL
for conveying Corresponding Source.)


You may place library facilities that are a work based on the
Library side by side in a single library together with other library
facilities that are not Applications and are not covered by this
License, and convey such a combined library under terms of your

choice, if you do both of the following:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

   b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

1.23 lz4 1.8.1

1.23.1 Available under license:

This repository uses 2 different licenses:
- all files in the `lib` directory use a BSD 2-Clause license
- all other files use a GPLv2 license, unless explicitly stated otherwise

Relevant license is reminded at the top of each source file, and with presence of COPYING or LICENSE file in associated directories.

This model is selected to emphasize that files in the `lib` directory are designed to be included into 3rd party applications, while all other files, in `programs`, `tests` or `examples`, receive more limited attention and support for such scenario.
LZ4 Library
Copyright (c) 2011-2016, Yann Collet
All rights reserved.

Redistribution and use in source and binary forms, with or without modification,
are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this
  list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this
  list of conditions and the following disclaimer in the documentation and/or
  other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR
ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

**GNU GENERAL PUBLIC LICENSE**

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.
Copyright (c) 2014, lpsantil
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this
  list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice,
  this list of conditions and the following disclaimer in the documentation
  and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: liblz4
Upstream-Contact: Yann Collet <Cyan4973@github.com>
Source: https://github.com/lz4/lz4

Files: *
Copyright: (C) 2011+ Yann Collet
License: GPL-2+
The full text of license: https://github.com/Cyan4973/lz4/blob/master/lib/LICENSE

1.24 spring-framework 4.3.30.RELEASE
1.24.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2016 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * *
 *   https://www.apache.org/licenses/LICENSE-2.0
 * *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/type/classreading/RecursiveAnnotationAttributesVisitor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/annotation/DefaultAnnotationAttributeExtractor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/DecoratingProxy.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/annotation/MapAnnotationAttributeExtractor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/convert/support/EnumToIntegerConverter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/convert/support/NumberToNumberConverterFactory.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/core/OverridingClassLoader.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/util/PropertiesPersister.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2019 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/core/convert/TypeDescriptor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/util/PatternMatchUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/util/xml/TransformerUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/core/BridgeMethodResolver.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/core/type/filter/AbstractTypeHierarchyTraversingFilter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/framework/util/StringUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/framework/core/PriorityOrdered.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/framework/core/MethodParameter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/framework/core/convert/support/ConversionUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/framework/core/ResolvableType.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/framework/core/annotation/AnnotationUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/framework/core/io/support/ResourcePatternUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/framework/util/ObjectUtils.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2015 the original author or authors.
*Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
*You may obtain a copy of the License at
*https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2jar/org/springframework/core/convert/support/StringToLocaleConverter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2jar/org/springframework/core/env/EnumerablePropertySource.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2jar/org/springframework/core/Ordered.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2jar/org/springframework/core/convert/converter/GenericConverter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2jar/org/springframework/core/io/support/ResourcePropertySource.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2jar/org/springframework/core/type/classreading/AnnotationMetadataReadingVisitor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2jar/org/springframework/core/convert/converter/DefaultDeserializer.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2jar/org/springframework/core/io/support/ResourcePropertySource.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2jar/org/springframework/core/Ordered.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2jar/org/springframework/core/type/classreading/AnnotationMetadataReadingVisitor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2jar/org/springframework/core/Ordered.java
*/

Open Source Used In CSPC_Collector 2.9.1 363
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2011 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *     https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/convert/support/ConfigurableConversionService.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/convert/support/ConvertingPropertyEditorAdapter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/env/PropertySources.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/env/CommandLineArgs.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/env/SimpleCommandLineArgsParser.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2009 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *     https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4.3-30-release-sources-2-
  jar/org/springframework/core/classreading/MetadataReader.java
No license file was found, but licenses were detected in source scan.

/***
* ASM: a very small and fast Java bytecode manipulation framework
* Copyright (c) 2000-2011 INRIA, France Telecom
* All rights reserved.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its
*    contributors may be used to endorse or promote products derived from
*    this software without specific prior written permission.
* 
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.
*/

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4.3-30-release-sources-2-
  jar/org/springframework/asm/Handle.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4.3-30-release-sources-2-
  jar/org/springframework/asm/Opcodes.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4.3-30-release-sources-2-
  jar/org/springframework/asm/Context.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4.3-30-release-sources-2-
  jar/org/springframework/asm/AnnotationWriter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4.3-30-release-sources-2-
  jar/org/springframework/asm/Type.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/Attribute.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/ByteVector.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/Label.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/ClassReader.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/ClassVisitor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/ModuleVisitor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/CurrentFrame.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/Edge.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/Handler.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/FieldWriter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/MethodVisitor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/Frame.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/ModuleWriter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/AnnotationVisitor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/Item.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/FieldVisitor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2- jar/org/springframework/asm/ClassWriter.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2020 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License";
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 * Unless required by applicable law or agreed to in writing, software
 */
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/util/CollectionUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/util/LinkedMultiValueMap.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/convert/support/GenericConversionService.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/task/TaskDecorator.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/convert/support/StringToBooleanConverter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/task/SimpleAsyncTaskExecutor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/task/support/TaskExecutorAdapter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/io/support/PropertiesLoaderSupport.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2018 the original author or authors.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/io/VfsResource.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/io/VfsUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/util/xml/StaxEventHandler.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/AttributeAccessorSupport.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/annotation/AnnotatedElementUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/convert/Property.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/io/AbstractFileResolvingResource.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/annotation/AnnotationAwareOrderComparator.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/util/xml/XMLEventStreamWriter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/util/MultiValueMap.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/util/xml/XMLEventStreamReader.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/GenericTypeResolver.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/util/ReflectionUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/UpdateMessageDigestInputStream.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/AttributeAccessor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/util/FastByteArrayOutputStream.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/util/ConcurrentReferenceHashMap.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/io/AbstractResource.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/io/support/LocalizedResourceHelper.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/env/ConfigurableEnvironment.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/type/classreading/AnnotationAttributesReadingVisitor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/env/SimpleCommandLinePropertySource.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/io/support/SpringFactoriesLoader.java

No license file was found, but licenses were detected in source scan.

/*
  * Copyright 2002-2013 the original author or authors.
  *
  * Licensed under the Apache License, Version 2.0 (the "License");
  * you may not use this file except in compliance with the License.
  * You may obtain a copy of the License at
  *
  *      https://www.apache.org/licenses/LICENSE-2.0
  *
  * Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/task/AsyncTaskExecutor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/util/SystemPropertyUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/util/xml/DomUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/type/classreading/SimpleMetadataReader.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/env/StandardEnvironment.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/task/AsyncListenableTaskExecutor.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2018 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*   https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/ParameterizedTypeReference.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2007 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0

* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/type/filter/RegexPatternTypeFilter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/io/ContextResource.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/style/ValueStyler.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/io/support/ResourcePatternResolver.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core&type/filter/TypeFilter.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2010 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
* https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/convert/ConversionException.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/io/support/VfsPatternUtils.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2017 the original author or authors.
Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

https://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/env/PropertySourcesPropertyResolver.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2012 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

https://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/SmartClassLoader.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/serializer/support/SerializationFailedException.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/SpringVersion.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/io/ClassRelativeResourceLoader.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/io/FileSystemResourceLoader.java
/*
 * Copyright 2002-2008 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/NamingInheritableThreadLocal.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2.jar/org/springframework/core/NamingThreadLocal.java

No license file was found, but licenses were detected in source scan.

/***
* ASM: a very small and fast Java bytecode manipulation framework
* Copyright (c) 2000-2013 INRIA, France Telecom
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright

Open Source Used In CSPC_Collector 2.9.1 375
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its
* contributors may be used to endorse or promote products derived from
* this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.
*/

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/asm/TypeReference.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/asm/TypePath.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2014 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
*    https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/util/backoff/BackOffExecution.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
  jar/org/springframework/core/convert/support/ArrayToObjectConverter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-
jar/org/springframework/util/SerializationUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/env/PropertiesPropertySource.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/util/CustomizableThreadCreator.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/util/ExceptionTypeFilter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/io/support/ResourceArrayPropertyEditor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/util/xml/StaxUtils.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/type/classreading/RecursiveAnnotationArrayVisitor.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/type/filter/AbstractClassTestingTypeFilter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/util/Log4jConfigurer.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/NestedIOException.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/convert/support/ObjectToArrayConverter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/convert/support/ZoneIdToTimeZoneConverter.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/convert/support/ObjectToCollectionConverter.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2017 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/NestedRuntimeException.java
* /opt/cola/permits/1137268515_1614043140.38/0/spring-core-4-3-30-release-sources-2-jar/org/springframework/core/convert/converter/ConvertingComparator.java
1.25 telnetd-x 2.1.1

1.25.1 Available under license:
Java TelnetD library (embeddable telnet daemon)
Copyright (c) 2000-2005 Dieter Wimberger.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the author nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.26 activemq-kahadb-store 5.16.1
1.26.1 Available under license:

ActiveMQ :: KahaDB Store
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked as "Not a Contribution."
"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NONINFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.27 commons-logging 1.0.3

1.27.1 Notifications:
This product includes software developed by the Apache Software Foundation (http://www.apache.org/).

1.27.2 Available under license:

/*
 * $Revision: 1.2 $
 * $Date: 2003/04/06 20:37:31 $
 *
 * ==============================================================
 *
 * The Apache Software License, Version 1.1
 *
 * Copyright (c) 1999-2003 The Apache Software Foundation. All rights
 * reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in
 * the documentation and/or other materials provided with the
 * distribution.
 *
 * 3. The end-user documentation included with the redistribution, if
 * any, must include the following acknowlegement:
 * "This product includes software developed by the
 * Apache Software Foundation (http://www.apache.org/)."
 * Alternately, this acknowlegement may appear in the software itself,
 * if and wherever such third-party acknowlegements normally appear.
 *
 * 4. The names "The Jakarta Project", "Commons", and "Apache Software
 * Foundation" must not be used to endorse or promote products derived
 * from this software without prior written permission. For written
 * permission, please contact apache@apache.org.
 *
 * 5. Products derived from this software may not be called "Apache"
 * nor may "Apache" appear in their names without prior written
 * permission of the Apache Group.
 *
 * THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
 * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
1.28 libjpeg 6b

1.28.1 Notifications:
This software is based in part on the work of the Independent JPEG Group.

1.28.2 Available under license:
The Independent JPEG Group's JPEG software

This distribution contains the sixth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.
OVERVIEW

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images,
very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

We welcome the use of this software as a component of commercial products. No royalty is required, but we do ask for an acknowledgement in product documentation, as described under LEGAL ISSUES.

LEGAL ISSUES
============

In plain English:

1. We don't promise that this software works. (But if you find any bugs, please let us know!)
2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a
program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-1998, Thomas G. Lane. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:
(1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

ansi2knr.c is included in this distribution by permission of L. Peter Deutsch, sole proprietor of its copyright holder, Aladdin Enterprises of Menlo Park, CA. ansi2knr.c is NOT covered by the above copyright and conditions, but instead by the usual distribution terms of the Free Software Foundation; principally, that you must include source code if you redistribute it. (See the file ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does not limit you more than
the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that

"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

REFERENCES
==========

We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.
A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.
The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS

The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faaqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/. If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE

--------------------
Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/Graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havenfun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
=*=*=*=*=*=*=*=*=*=*=*

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we
have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don’t use a proprietary file format!

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.29 xerces-j 2.7.1
1.29.1 Available under license:
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following
conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and

You must cause any modified files to carry prominent notices stating that You changed the files; and

You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may
choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[[]]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.30 libsigsegv 2.11 5.el8

1.30.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor,
Boston, MA 02110-1301, USA.
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a
notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSPECTED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.31 axiom-dom 1.2.15

1.31.1 Available under license:

Apache Axiom

Copyright 2004-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.32 libevent 2.1.8 5.el8

1.32.1 Available under license:

Libevent is available for use under the following license, commonly known
as the 3-clause (or "modified") BSD license:

==============================================
Copyright (c) 2000-2007 Niels Provos <provos@citi.umich.edu>
Copyright (c) 2007-2012 Niels Provos and Nick Mathewson

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

==============================

Portions of Libevent are based on works by others, also made available by them under the three-clause BSD license above. The copyright notices are available in the corresponding source files; the license is as above. Here's a list:

log.c:
   Copyright (c) 2000 Dug Song <dugsong@monkey.org>
   Copyright (c) 1993 The Regents of the University of California.

strlcpy.c:
   Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

win32select.c:
   Copyright (c) 2003 Michael A. Davis <mike@datanerds.net>

evport.c:
   Copyright (c) 2007 Sun Microsystems

ht-internal.h:
   Copyright (c) 2002 Christopher Clark

minheap-internal.h:
   Copyright (c) 2006 Maxim Yegorushkin <maxim.yegorushkin@gmail.com>

==============================

The arc4module is available under the following, sometimes called the "OpenBSD" license:

   Copyright (c) 1996, David Mazieres <dm@uun.org>
Copyright (c) 2008, Damien Miller <djm@openbsd.org>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

==================================

The Windows timer code is based on code from libutp, which is distributed under this license, sometimes called the "MIT" license.

Copyright (c) 2010 BitTorrent, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.33 tcsh 6.20.00-4.ph2

1.33.1 Available under license :

/*-
 * Copyright (c) 1980, 1991 The Regents of the University of California.
 * All rights reserved.
 */
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. Neither the name of the University nor the names of its contributors
*    may be used to endorse or promote products derived from this software
*    without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/

/*
 * config.h -- configure various defines for tcsh
 *
 * All source files should #include this FIRST.
 *
 * Edit this to match your system type.
 */

#ifndef _h_config
#define _h_config

/****************** System dependant compilation flags ******************/

/* POSIX	This system supports IEEE Std 1003.1-1988 (POSIX).
 */
#undef POSIX

/* POSIXJOBS	This system supports the optional IEEE Std 1003.1-1988 (POSIX)
 * job control facilities.
 */
#undef POSIXJOBS

/* VFORK	This machine has a vfork().
 */

#endif
*It used to be that for job control to work, this define
*was mandatory.  This is not the case any more.
*If you think you still need it, but you don't have vfork,
*define this anyway and then do #define vfork fork.
*I do this anyway on a Sun because of yellow pages brain damage,
*[should not be needed under 4.1]
*and on the iris4d cause SGI's fork is sufficiently "virtual"
*that vfork isn't necessary.  (Besides, SGI's vfork is weird).
*Note that some machines eg. rs6000 have a vfork, but not
*with the berkeley semantics, so we cannot use it there either.
*/
#define VFORK

/*
 * BSDJOBSYou have BSD-style job control (both process groups and
 *a tty that deals correctly
 */
#define BSDJOBS

/*
 * BSDTIMESYou have BSD-style process time stuff (like rusage)
 *This may or may not be true.  For example, Apple Unix
 *(OREO) has BSDJOBS but not BSDTIMES.
 */
#define BSDTIMES

/*
 * BSDLIMITYou have BSD-style resource limit stuff (getrlimit/setrlimit)
 */
#define BSDLIMIT

/*
 * TERMIOYou have struct termio instead of struct sgttyb.
 * This is usually the case for SYSV systems, where
 *BSD uses sgttyb.  POSIX systems should define this
 *anyway, even though they use struct termios.
 */
#undef TERMIO

/*
 * SYSVRELYour machine is SYSV based (HPUX, A/UX)
 *NOTE:  don't do this if you are on a Pyramid -- tsh is
 *built in a BSD universe.
 *Set SYSVREL to 1, 2, 3, or 4, depending the version of System V
 *you are running.  Or set it to 0 if you are not SYSV based
 */
#define SYSVREL0
/*
 * YPBUGS
 * Work around Sun YP bugs that cause expansion of ~username
 * to send command output to /dev/null
 */
#undef YPBUGS

/****************** local defines ******************/

#endif /* _h_config */

1.34 gnutls 3.6.14
1.34.1 Available under license:

The “inih” library is distributed under the New BSD license:

Copyright (c) 2009, Ben Hoyt
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
* Neither the name of Ben Hoyt nor the names of its contributors
  may be used to endorse or promote products derived from this software
  without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY BEN HOYT "AS IS" AND ANY
EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL BEN HOYT BE LIABLE FOR ANY
DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU LESSER GENERAL PUBLIC LICENSE

   Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original
author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that
you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. 
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
 patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software...
Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library ‘Frob’ (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 1992-2015 by Bruce Korb - all rights reserved
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked
Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that,
taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

Copyright (C) 1992-2015 by Bruce Korb - all rights reserved
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

====================================================================
Written by Andy Polyakov <appro@fy.chalmers.se> for the OpenSSL project. The module is, however, dual licensed under OpenSSL and CRYPTOGRAMS licenses depending on where you obtain it. For further details see https://www.openssl.org/~appro/cryptogams/.
====================================================================

Copyright (c) 2006-2012, CRYPTOGRAMS by <appro@openssl.org>
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain copyright notices, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the CRYPTOGRAMS nor the names of its copyright holder and contributors may be used to endorse or promote products derived from this software without specific prior written permission.

ALTERNATIVELY, provided that this notice is retained in full, this product may be distributed under the terms of the GNU General Public License (GPL), in which case the provisions of the GPL apply INSTEAD OF those given above.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

########################################################################
## Constant-time SSSE3 AES core implementation.
## version 0.1
##
## By Mike Hamburg (Stanford University), 2009
## Public domain.
##
## For details see https://shiftleft.org/papers/vector_aes/ and
## https://crypto.stanford.edu/vpaes/.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 1992-2015 by Bruce Korb - all rights reserved
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.
To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.
"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction.
and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed; section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological
measure under any applicable law fulfilling obligations under article
11 of the WIPO copyright treaty adopted on 20 December 1996, or
similar laws prohibiting or restricting circumvention of such
measures.

When you convey a covered work, you waive any legal power to forbid
circumvention of technological measures to the extent such circumvention
is effected by exercising rights under this License with respect to
the covered work, and you disclaim any intention to limit operation or
modification of the work as a means of enforcing, against the work's
users, your or third parties' legal rights to forbid circumvention of
 technological measures.


You may convey verbatim copies of the Program's source code as you
receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice;
keep intact all notices stating that this License and any
non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all
recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey,
and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the
terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified
   it, and giving a relevant date.

b) The work must carry prominent notices stating that it is
   released under this License and any conditions added under section
   7. This requirement modifies the requirement in section 4 to
"keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:
a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under
this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the
Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, selling, or otherwise running its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have
actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed
under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) by Bruce Korb - all rights reserved

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <https://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.
If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) by Bruce Korb - all rights reserved
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <https://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <https://www.gnu.org/philosophy/why-not-lgpl.html>.

**LICENSING**

Since GnuTLS version 3.1.10, the core library is released under the GNU Lesser General Public License (LGPL) version 2.1 or later (see doc/COPYING.LESSER for the license terms).

The GNU LGPL applies to the main GnuTLS library, while the included applications as well as gnutls-openssl library are under the GNU GPL version 3. The gnutls library is located in the lib/ and libdane/ directories, while the applications in src/ and, the gnutls-openssl library is at extra/.

The documentation in doc/ is under the GNU FDL license 1.3.

Note, however, that the nettle and the gmp libraries which are GnuTLS dependencies, they are distributed under a LGPLv3+ or GPLv2+ dual license. As such binaries linking to them need to adhere to either LGPLv3+ or the GPLv2+ license.

For any copyright year range specified as YYYY-ZZZZ in this package note that the range specifies every single year in that closed interval.

The MIT License (MIT)
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Statement of Purpose

The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work").

Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a commons of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon, modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further production of creative, cultural and scientific works, or to gain reputation or greater distribution for their Work in part through the use and efforts of others.

For these and/or other purposes and motivations, and without any expectation of additional consideration or compensation, the person associating CC0 with a Work (the "Affirmer"), to the extent that he or she is an owner of Copyright and Related Rights in the Work, voluntarily elects to apply CC0 to the Work and publicly distribute the Work under its terms, with knowledge of his or her Copyright and Related Rights in the Work and the meaning and intended legal effect of CC0 on those rights.

1. Copyright and Related Rights. A Work made available under CC0 may be protected by copyright and related or neighboring rights ("Copyright and Related Rights"). Copyright and Related Rights include, but are not limited to, the following:

   the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;
   moral rights retained by the original author(s) and/or performer(s);
   publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;
   rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;
   rights protecting the extraction, dissemination, use and reuse of data in a Work;
database rights (such as those arising under Directive 96/9/EC of the European Parliament and of the Council of
11 March 1996 on the legal protection of databases, and under any national implementation thereof, including any
amended or successor version of such directive); and
other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any
national implementations thereof.

2. Waiver. To the greatest extent permitted by, but not in contravention of, applicable law, Affirmer hereby overtly,
fully, permanently, irrevocably and unconditionally waives, abandons, and surrenders all of Affirmer's Copyright
and Related Rights and associated claims and causes of action, whether now known or unknown (including existing
as well as future claims and causes of action), in the Work (i) in all territories worldwide, (ii) for the maximum
duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future
medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation
commercial, advertising or promotional purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each
member of the public at large and to the detriment of Affirmer's heirs and successors, fully intending that such
Waiver shall not be subject to revocation, rescission, cancellation, termination, or any other legal or equitable action
disrupt the quiet enjoyment of the Work by the public as contemplated by Affirmer's express Statement of
Purpose.

3. Public License Fallback. Should any part of the Waiver for any reason be judged legally invalid or ineffective
under applicable law, then the Waiver shall be preserved to the maximum extent permitted taking into account
Affirmer's express Statement of Purpose. In addition, to the extent the Waiver is so judged Affirmer hereby grants to
each affected person a royalty-free, non transferable, non sublicensable, non exclusive, irrevocable and
unconditional license to exercise Affirmer's Copyright and Related Rights in the Work (i) in all territories
worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions),
(iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including
without limitation commercial, advertising or promotional purposes (the "License"). The License shall be deemed
effective as of the date CC0 was applied by Affirmer to the Work. Should any part of the License for any reason be
judged legally invalid or ineffective under applicable law, such partial invalidity or ineffectiveness shall not
invalidate the remainder of the License, and in such case Affirmer hereby affirms that he or she will not (i) exercise
any of his or her remaining Copyright and Related Rights in the Work or (ii) assert any associated claims and causes
of action with respect to the Work, in either case contrary to Affirmer's express Statement of Purpose.

4. Limitations and Disclaimers.

No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected
by this document.
Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work,
express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for
a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence
of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.
Affirmer disclaims responsibility for clearing rights of other persons that may apply to the Work or any use
thereof, including without limitation any person's Copyright and Related Rights in the Work. Further, Affirmer
disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the
Work.
Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or
obligation with respect to this CC0 or use of the Work.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007
Copyright (C) 2007 Free Software Foundation, Inc. <https://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run
modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.
To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.
The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other
parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.
All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For
purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work.
conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.
If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <https://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<https://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read
1.35 aop-alliance 2.4.0-b34

1.35.1 Available under license:

No license file was found, but licenses were detected in source scan.

2015 Oracle and/or its affiliates. All rights reserved.

The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can obtain a copy of the License at https://glassfish.dev.java.net/public/CDDL+GPL_1_1.html or packager/legal/LICENSE.txt. See the License for the specific language governing permissions and limitations under the License.

When distributing the software, include this License Header Notice in each file and include the License file at packager/legal/LICENSE.txt.

GPL Classpath Exception:
Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License file that accompanied this code.

Modifications:
If applicable, add the following below the License Header, with the fields enclosed by brackets [] replaced by your own identifying information:
"Portions Copyright [year] [name of copyright owner]"

Contributor(s):
If you wish your version of this file to be governed by only the CDDL or only the GPL Version 2, indicate your decision by adding "[Contributor] elects to include this software in this distribution under the [CDDL or GPL Version 2] license." If you don't indicate a single choice of license, a recipient has the option to distribute your version of this file under either the CDDL, the GPL Version 2 or to extend the choice of license to its licensees as provided above. However, if you add GPL Version 2 code and therefore, elected the GPL Version 2 license, then the option applies only if the new code is made subject to such option by the copyright holder.

Found in path(s):
* /opt/cola/permits/1129090632_1612176515.14/0/aopalliance-repackaged-2-4-0-b34-sources-jar/pom.xml
1.36 systemd 239-41.el8_3

1.36.1 Available under license:

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free

software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone’s free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.37 libdaemon 0.14-15.el8
1.37.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages—typically libraries—of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.
To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable “work that uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms
of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.38 python-linux-procs 0.6 7.el8
1.38.1 Available under license :
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free

Open Source Used In CSPC_Collector 2.9.1 482
program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone’s free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
<one line to give the program's name and a brief idea of what it does.>

Copyright (C) 19yy  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.
1.39 gson 2.3.1

1.39.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2010 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/stream/JsonReader.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/stream/MalformedJsonException.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/stream/JsonScope.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/stream/JsonToken.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/stream/JsonWriter.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2010 The Android Open Source Project
 * Copyright (C) 2012 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/LinkedTreeMap.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/LinkedHashTreeMap.java
No license file was found, but licenses were detected in source scan.

//**
 * Copyright (C) 2008 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/$Gson$Types.java
No license file was found, but licenses were detected in source scan.

//**
 * Copyright (C) 2011 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
Found in path(s):
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/bind/DateTypeAdapter.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/bind/TimeTypeAdapter.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/bind/SqlDateTypeAdapter.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/LazilyParsedNumber.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/ConstructorConstructor.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/TreeTypeAdapter.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/UnsafeAllocator.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2014 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/annotations/JsonAdapter.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/bind/JsonAdapterAnnotationTypeAdapterFactory.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2010 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 */
* http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/Streams.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/JsonSyntaxException.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright (C) 2008 Google Inc.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/JsonObject.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/Excluder.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/annotations/Until.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/JsonDeserializationContext.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/JsonIOException.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/JsonDeserializer.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/FieldNamingStrategy.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/ObjectConstructor.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2009 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/annotations/SerializedName.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/JsonSerializationContext.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/annotations/Since.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/DefaultDateTypeAdapter.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/reflect/TypeToken.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/FieldNamingPolicy.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/annotations/Expose.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/Gson.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/ExclusionStrategy.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/JsonPrimitive.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/InstanceCreator.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/$Gson$Preconditions.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/Primitives.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/JsonParseException.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/JsonSerializer.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/JsonNull.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/JsonArray.java

Open Source Used In CSPC_Collector 2.9.1 493
jar/com/google/gson/JsonStreamParser.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/FieldAttributes.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/JsonParser.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/LongSerializationPolicy.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2011 Google Inc.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *   http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/bind/JsonTreeWriter.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/TypeAdapter.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/TypeAdapterFactory.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/bind/ArrayTypeAdapter.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/bind/TypeAdapterRuntimeTypeWrapper.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/bind/TypeAdapters.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/bind/JsonReaderInternalAccess.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/bind/ObjectTypeAdapter.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/bind/MapTypeAdapterFactory.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/bind/JsonTreeReader.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/bind/CollectionTypeAdapterFactory.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java
1.40 dc 1.4

1.40.1 Available under license:

No license file was found, but licenses were detected in source scan.

```
// Copyright (c) 2015 DC. All rights reserved.

Found in path(s):
* /opt/cola/permits/1125786974_1612762024.23/0/tangdixi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdixi-DCPathButton-ecfc086/Example-Swift/Example-Swift/AppDelegate.swift
* /opt/cola/permits/1125786974_1612762024.23/0/tangdixi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdixi-DCPathButton-ecfc086/Example-Swift/Example-Swift-Bridging-Header.h
* /opt/cola/permits/1125786974_1612762024.23/0/tangdixi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdixi-DCPathButton-ecfc086/Example-Swift/Example-SwiftTests/Example_SwiftTests.swift
* /opt/cola/permits/1125786974_1612762024.23/0/tangdixi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdixi-DCPathButton-ecfc086/Example-Swift/Example-Swift/ViewController.swift
```

No license file was found, but licenses were detected in source scan.

Pod::Spec.new do |s|
  s.name = "DCPathButton"
  s.version = "2.1.1"
  s.summary = "A beautiful button copy from Path®"

  s.description = <<-DESC
DCPathButton is a menu button, design by an famous App Path®. Since Path® 4.0, it return to use a tab bar instead of a side bar, and also change the menu button. So I try to implement it and then the DCPathButton born :)  
DESC

  s.homepage = "https://github.com/Tangdixi/DCPathButton"

  s.license = {
    :type => 'MIT',
    :text => 'The DCPathButton use the MIT license'
  }

  s.author = { "Tangdixi" => "Tangdixi@gmail.com" }

  s.platform = :ios, '7.0'

  s.source = {
    :git => "https://github.com/Tangdixi/DCPathButton.git",
    :tag => "2.1.1"
  }
```
s.source_files = 'DCPathButton/Classes/*.{h,m}'

s.resources = ['"DCPathButton/Sounds/*"']

s.frameworks = 'QuartzCore','AudioToolbox'

s.requires_arc = true

end

Found in path(s):
* /opt/cola/permits/1125786974_1612762024.23/0/tangdixi-dcpathbutton-2-1-4-0-gdd7873d-tar-gz/Tangdixi-
DCPathButton-ecfc086/DCPathButton.podspec

No license file was found, but licenses were detected in source scan.

//  Copyright © 2015 Tangdixi. All rights reserved.

The MIT License (MIT)

Copyright (c) 2013 Tangdixi

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

No license file was found, but licenses were detected in source scan.

**DCPathButton** is available under the MIT license. See the LICENSE file for more info.

No license file was found, but licenses were detected in source scan.

<string>The DCPathButton use the MIT license</string>

No license file was found, but licenses were detected in source scan.

# Acknowledgements

This application makes use of the following third party libraries:

## DCPathButton

The DCPathButton use the MIT license

Generated by CocoaPods - http://cocoapods.org

// Copyright (c) 2014 Tangdxi. All rights reserved.
1.41 eclipse-compiler 3.12.3.v20170228-1205

1.41.1 Available under license:

Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE (“AGREEMENT”). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT’S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

“Contribution” means:
a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and
b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular
Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself
or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are
separate modules of software distributed in conjunction with the Program under their own license agreement, and
(ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents " mean patent claims licensable by a Contributor which are necessarily infringed by the use or
sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide,
royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform,
distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and
object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide,
royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the
Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the
combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such
addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall
not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no
assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual
property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any
other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights
and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual
property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute
the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to
grant the copyright license set forth in this Agreement.
3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor (“Commercial Contributor”) hereby agrees to defend and indemnify every other Contributor (“Indemnified Contributor”) against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.
For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the
right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

1.42 fontconfig 2.13.1 3.el8
1.42.1 Available under license:
fontconfig/COPYING

Copyright 2005 Patrick Lam
Copyright 2009 Roozbeh Pournader
Copyright 2008,2009 Red Hat, Inc.
Copyright 2008 Daniloegan
Copyright 2012 Google, Inc.

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the author(s) not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. The authors make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

THE AUTHOR(S) DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE AUTHOR(S) BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
1.43 jersey-media-json-jackson 2.27

1.43.1 Available under license:

This content is produced and maintained by Oracle and/or its affiliates. All rights reserved.

* Project home: https://jersey.github.io

== Declared Project Licenses

This program and the accompanying materials are made available under the terms of dual license of
- COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL - Version 1.1) available at
  https://oss.oracle.com/licenses/CDDL+GPL-1.1
- GNU General Public License (GPL - Version 2, June 1991) with the "Classpath Exception"

* The GNU General Public License (GPL) Version 2, June 1991
* Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street,
  Fifth Floor Boston, MA 02110-1335 USA
* Everyone is permitted to copy and distribute verbatim copies of this
  license document, but changing it is not allowed.
* Preamble
* The licenses for most software are designed to take away your freedom to
  share and change it. By contrast, the GNU General Public License is
  intended to guarantee your freedom to share and change free software--to
  make sure the software is free for all its users. This General Public
  License applies to most of the Free Software Foundation's software and
  to any other program whose authors commit to using it. (Some other Free
  Software Foundation software is covered by the GNU Library General
  Public License instead.) You can apply it to your programs, too.
* When we speak of free software, we are referring to freedom, not price.
  Our General Public Licenses are designed to make sure that you have the
  freedom to distribute copies of free software (and charge for this
  service if you wish), that you receive source code or can get it if you
  want it, that you can change the software or use pieces of it in new
  free programs; and that you know you can do these things.
* To protect your rights, we need to make restrictions that forbid anyone
  to deny you these rights or to ask you to surrender the rights. These
  restrictions translate to certain responsibilities for you if you
  distribute copies of the software, or if you modify it.
* For example, if you distribute copies of such a program, whether gratis
  or for a fee, you must give the recipients all the rights that you have.
* You must make sure that they, too, receive or can get the source code.
* And you must show them these terms so they know their rights.
*
* We protect your rights with two steps: (1) copyright the software, and
* (2) offer you this license which gives you legal permission to copy,
* distribute and/or modify the software.
*
* Also, for each author's protection and ours, we want to make certain
* that everyone understands that there is no warranty for this free
* software. If the software is modified by someone else and passed on, we
* want its recipients to know that what they have is not the original, so
* that any problems introduced by others will not reflect on the original
* authors' reputations.
*
* Finally, any free program is threatened constantly by software patents.
* We wish to avoid the danger that redistributors of a free program will
* individually obtain patent licenses, in effect making the program
* proprietary. To prevent this, we have made it clear that any patent must
* be licensed for everyone's free use or not licensed at all.
*
* The precise terms and conditions for copying, distribution and
* modification follow.
*
* TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
*
* 0. This License applies to any program or other work which contains a
* notice placed by the copyright holder saying it may be distributed under
* the terms of this General Public License. The "Program", below, refers
* to any such program or work, and a "work based on the Program" means
* either the Program or any derivative work under copyright law: that is
* to say, a work containing the Program or a portion of it, either
* verbatim or with modifications and/or translated into another language.
* (Hereinafter, translation is included without limitation in the term
* "modification".) Each licensee is addressed as "you".
*
* Activities other than copying, distribution and modification are not
* covered by this License; they are outside its scope. The act of running
* the Program is not restricted, and the output from the Program is
* covered only if its contents constitute a work based on the Program
* (independent of having been made by running the Program). Whether that
* is true depends on what the Program does.
*
* 1. You may copy and distribute verbatim copies of the Program's source
* code as you receive it, in any medium, provided that you conspicuously
* and appropriately publish on each copy an appropriate copyright notice
* and disclaimer of warranty; keep intact all the notices that refer to
* this License and to the absence of any warranty; and give any other
* recipients of the Program a copy of this License along with the Program.
* You may charge a fee for the physical act of transferring a copy, and
* you may at your option offer warranty protection in exchange for a fee.
* 
* 2. You may modify your copy or copies of the Program or any portion of
* it, thus forming a work based on the Program, and copy and distribute
* such modifications or work under the terms of Section 1 above, provided
* that you also meet all of these conditions:
* 
* a) You must cause the modified files to carry prominent notices stating
* that you changed the files and the date of any change.
* 
* b) You must cause any work that you distribute or publish, that in whole
* or in part contains or is derived from the Program or any part thereof,
* to be licensed as a whole at no charge to all third parties under the
* terms of this License.
* 
* c) If the modified program normally reads commands interactively when
* run, you must cause it, when started running for such interactive use in
* the most ordinary way, to print or display an announcement including an
* appropriate copyright notice and a notice that there is no warranty (or
* else, saying that you provide a warranty) and that users may
* redistribute the program under these conditions, and telling the user
* how to view a copy of this License. (Exception: if the Program itself is
* interactive but does not normally print such an announcement, your work
* based on the Program is not required to print an announcement.)
* 
* These requirements apply to the modified work as a whole. If
* identifiable sections of that work are not derived from the Program, and
* can be reasonably considered independent and separate works in
* themselves, then this License, and its terms, do not apply to those
* sections when you distribute them as separate works. But when you
* distribute the same sections as part of a whole which is a work based on
* the Program, the distribution of the whole must be on the terms of this
* License, whose permissions for other licensees extend to the entire
* whole, and thus to each and every part regardless of who wrote it.
* 
* Thus, it is not the intent of this section to claim rights or contest
* your rights to work written entirely by you; rather, the intent is to
* exercise the right to control the distribution of derivative or
* collective works based on the Program.
* 
* In addition, mere aggregation of another work not based on the Program
* with the Program (or with a work based on the Program) on a volume of a
* storage or distribution medium does not bring the other work under the
* scope of this License.
* 
* 3. You may copy and distribute the Program (or a work based on it, under
* Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
* 
* a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
* 
* b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
* 
* c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
* 
* The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
* 
* If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
* 
* 4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
* 
* 5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by
* modifying or distributing the Program (or any work based on the
* Program), you indicate your acceptance of this License to do so, and all
* its terms and conditions for copying, distributing or modifying the
* Program or works based on it.
*
* 6. Each time you redistribute the Program (or any work based on the
* Program), the recipient automatically receives a license from the
* original licensor to copy, distribute or modify the Program subject to
* these terms and conditions. You may not impose any further restrictions
* on the recipients' exercise of the rights granted herein. You are not
* responsible for enforcing compliance by third parties to this License.
*
* 7. If, as a consequence of a court judgment or allegation of patent
* infringement or for any other reason (not limited to patent issues),
* conditions are imposed on you (whether by court order, agreement or
* otherwise) that contradict the conditions of this License, they do not
* excuse you from the conditions of this License. If you cannot distribute
* so as to satisfy simultaneously your obligations under this License and
* any other pertinent obligations, then as a consequence you may not
* distribute the Program at all. For example, if a patent license would
* not permit royalty-free redistribution of the Program by all those who
* receive copies directly or indirectly through you, then the only way you
* could satisfy both it and this License would be to refrain entirely from
* distribution of the Program.
*
* If any portion of this section is held invalid or unenforceable under
* any particular circumstance, the balance of the section is intended to
* apply and the section as a whole is intended to apply in other
* circumstances.
*
* It is not the purpose of this section to induce you to infringe any
* patents or other property right claims or to contest validity of any
* such claims; this section has the sole purpose of protecting the
* integrity of the free software distribution system, which is implemented
* by public license practices. Many people have made generous
* contributions to the wide range of software distributed through that
* system in reliance on consistent application of that system; it is up to
* the author/donor to decide if he or she is willing to distribute
* software through any other system and a licensee cannot impose that
* choice.
*
* This section is intended to make thoroughly clear what is believed to be
* a consequence of the rest of this License.
*
* 8. If the distribution and/or use of the Program is restricted in
* certain countries either by patents or by copyrighted interfaces, the
* original copyright holder who places the Program under this License may
* add an explicit geographical distribution limitation excluding those
* countries, so that distribution is permitted only in or among countries
* not thus excluded. In such case, this License incorporates the
* limitation as if written in the body of this License.
*
* 9. The Free Software Foundation may publish revised and/or new versions
* of the General Public License from time to time. Such new versions will
* be similar in spirit to the present version, but may differ in detail to
* address new problems or concerns.
*
* Each version is given a distinguishing version number. If the Program
* specifies a version number of this License which applies to it and "any
* later version", you have the option of following the terms and
* conditions either of that version or of any later version published by
* the Free Software Foundation. If the Program does not specify a version
* number of this License, you may choose any version ever published by the
* Free Software Foundation.
*
* 10. If you wish to incorporate parts of the Program into other free
* programs whose distribution conditions are different, write to the
* author to ask for permission. For software which is copyrighted by the
* Free Software Foundation, write to the Free Software Foundation; we
* sometimes make exceptions for this. Our decision will be guided by the
* two goals of preserving the free status of all derivatives of our free
* software and of promoting the sharing and reuse of software generally.
*
* NO WARRANTY
*
* 11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
* FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
* OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
* PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER
* EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE
* ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH
* YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL
* NECESSARY SERVICING, REPAIR OR CORRECTION.
*
* 12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
* WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
* AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR
* DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL
* DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM
* (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED
* INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF
* THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR
* OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
*
* END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:
* Yoyodyne, Inc., hereby disclaims all copyright interest in the program
* `Gnomovision' (which makes passes at compilers) written by James Hacker.
*
* signature of Ty Coon, 1 April 1989
* Ty Coon, President of Vice
*
* This General Public License does not permit incorporating your program
* into proprietary programs. If your program is a subroutine library, you
* may consider it more useful to permit linking proprietary applications
* with the library. If this is what you want to do, use the GNU Library
* General Public License instead of this License.
*
*
* "CLASSPATH" EXCEPTION TO THE GPL VERSION 2
*
* Certain source files distributed by Oracle America, Inc. and/or its affiliates
* are subject to the following clarification and special exception to the GPLv2,
* based on the GNU Project exception for its Classpath libraries, known as the
* GNU Classpath Exception, but only where Oracle has expressly included in the
* particular source file's header the words "Oracle designates this particular
* file as subject to the "Classpath" exception as provided by Oracle in the
* LICENSE file that accompanied this code."
* You should also note that Oracle includes multiple, independent programs in
* this software package. Some of those programs are provided under licenses
* deemed incompatible with the GPLv2 by the Free Software Foundation and others.
* For example, the package includes programs licensed under the Apache License,
* Version 2.0. Such programs are licensed to you under their original licenses.
* Oracle facilitates your further distribution of this package by adding the
* Classpath Exception to the necessary parts of its GPLv2 code, which permits you
* to use that code in combination with other independent modules not licensed
* under the GPLv2. However, note that this would not permit you to commingle
* code under an incompatible license with Oracle's GPLv2 licensed code by, for
* example, cutting and pasting such code into a file also containing Oracle's
* GPLv2 licensed code and then distributing the result. Additionally, if you
* were to remove the Classpath Exception from any of the files to which it
* applies and distribute the result, you would likely be required to license
* some or all of the other code in that distribution under the GPLv2 as well,
* and since the GPLv2 is incompatible with the license terms of some items
* included in the distribution by Oracle, removing the Classpath Exception could
* therefore effectively compromise your ability to further distribute the package.
*
* Proceed with caution and we recommend that you obtain the advice of a lawyer
* skilled in open source matters before removing the Classpath Exception or
* making modifications to this package which may subsequently be redistributed
* and/or involve the use of third party software.
CLASSPATH EXCEPTION

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

== Source Code

https://github.com/jersey/jersey.git

== Copyright Holders

Copyright (c) 2013-2018 Oracle and/or its affiliates. All rights reserved.

== Third party technology that may be necessary for use with this program is identified below and licensed under the terms of the third party technology license agreement specified and not under GPLv2 with Classpath Exception or CDDL.

Jackson JAX-RS Providers

License: Apache License, 2.0
Project: https://github.com/FasterXML/jackson-jaxrs-providers
Copyright 2009-2011 FasterXML, LLC. All rights reserved unless otherwise indicated.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

   (a) You must give any other recipients of the Work or
       Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices
       stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works
       that You distribute, all copyright, patent, trademark, and
       attribution notices from the Source form of the Work,
       excluding those notices that do not pertain to any part of
       the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "["]
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
1.44.1 Available under license:

Copyright (c) 2009-2012 Eric Haszlakiewicz

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.

----------------------------------------------------------------

Copyright (c) 2004, 2005 Metaparadigm Pte Ltd

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.
1.45 commons-collections 4.4

1.45.1 Available under license:

Apache Commons Collections
Copyright 2001-2019 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.46 sed 4.5-1.el8

1.46.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <https://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS
0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that
is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices”.

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate” if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.
Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.
You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that
transaction who receives a copy of the work also receives whatever
licenses to the work the party's predecessor in interest had or could
give under the previous paragraph, plus a right to possession of the
Corresponding Source of the work from the predecessor in interest, if
the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the
rights granted or affirmed under this License. For example, you may
not impose a license fee, royalty, or other charge for exercise of
rights granted under this License, and you may not initiate litigation
(including a cross-claim or counterclaim in a lawsuit) alleging that
any patent claim is infringed by making, using, selling, offering for
sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The
work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims
owned or controlled by the contributor, whether already acquired or
hereafter acquired, that would be infringed by some manner, permitted
by this License, of making, using, or selling its contributor version,
but do not include claims that would be infringed only as a
consequence of further modification of the contributor version. For
purposes of this definition, "control" includes the right to grant
patent sublicenses in a manner consistent with the requirements of
this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free
patent license under the contributor's essential patent claims, to
make, use, sell, offer for sale, import and otherwise run, modify and
propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express
agreement or commitment, however denominated, not to enforce a patent
(such as an express permission to practice a patent or covenant not to
sue for patent infringement). To "grant" such a patent license to a
party means to make such an agreement or commitment not to enforce a
patent against the party.

If you convey a covered work, knowingly relying on a patent license,
and the Corresponding Source of the work is not available for anyone
to copy, free of charge and under the terms of this License, through a
publicly available network server or other readily accessible means,
then you must either (1) cause the Corresponding Source to be so
available, or (2) arrange to deprive yourself of the benefit of the
patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.
Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.
IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <https://www.gnu.org/licenses/>.
Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <https://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <https://www.gnu.org/philosophy/why-not-lgpl.html>.

1.47 jetty-proxy 9.4.11.v20180605

1.48 jetty-client 9.4.11.v20180605

1.49 j2objc-annotations 1.1

1.49.1 Available under license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to
You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and
You must cause any modified files to carry prominent notices stating that You changed the files; and
You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

1.50 libutempter 1.1.6 14.el8
1.50.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL.  It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.
When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the
entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with
the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages
are the reason we use the ordinary General Public License for many
libraries. However, the Lesser license provides advantages in certain
special circumstances.

For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it
becomes a de-facto standard. To achieve this, non-free programs must
be allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this
case, there is little to gain by limiting the free library to free
software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free
programs enables a greater number of people to use a large body of
free software. For example, permission to use the GNU C Library in
non-free programs enables many more people to use the whole GNU
operating system, as well as its variant, the GNU/Linux operating
system.

Although the Lesser General Public License is Less protective of the
users' freedom, it does ensure that the user of a program that is
linked with the Library has the freedom and the wherewithal to run
that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and
modification follow. Pay close attention to the difference between a
"work based on the library" and a "work that uses the library". The
former contains code derived from the library, whereas the latter must
be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other
program which contains a notice placed by the copyright holder or
other authorized party saying it may be distributed under the terms of
this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those
countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!

1.51 job-scheduler 1.6.5

1.51.1 Available under license:

No license file was found, but licenses were detected in source scan.

```java
/*
 * Copyright 2004-2005 OpenSymphony
 *
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not
 * use this file except in compliance with the License. You may obtain a copy
 * of the License at
 *
 *   http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS, WITHOUT
 * WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
 * License for the specific language governing permissions and limitations
 * under the License.
 *
 */

Found in path(s):
* /opt/cola/permits/1018429259_1602579017.67/0/job-scheduler-zip/job-scheduler/org/quartz/jobs/FileScanJob.java.bak
* /opt/cola/permits/1018429259_1602579017.67/0/job-scheduler-zip/job-scheduler/org/quartz/spi/ClassLoadHelper.java.bak
* /opt/cola/permits/1018429259_1602579017.67/0/job-scheduler-zip/job-scheduler/org/quartz/simpl/LoadingLoaderClassLoadHelper.java.bak
* /opt/cola/permits/1018429259_1602579017.67/0/job-scheduler-zip/job-scheduler/org/quartz/simpl/InitThreadContextClassLoadHelper.java.bak
* /opt/cola/permits/1018429259_1602579017.67/0/job-scheduler-zip/job-scheduler/org/quartz/simpl/SimpleClassLoadHelper.java.bak
* /opt/cola/permits/1018429259_1602579017.67/0/job-scheduler-zip/job-scheduler/org/quartz/simpl/CascadingClassLoadHelper.java.bak
* /opt/cola/permits/1018429259_1602579017.67/0/job-scheduler-zip/job-scheduler/org/quartz/xml/JobSchedulingDataProcessor.java.bak
* /opt/cola/permits/1018429259_1602579017.67/0/job-scheduler-zip/job-scheduler/org/quartz/simpl/ThreadContextClassLoadHelper.java.bak
* /opt/cola/permits/1018429259_1602579017.67/0/job-scheduler-zip/job-scheduler/org/quartz/plugins/xml/JobInitializationPlugin.java.bak

No license file was found, but licenses were detected in source scan.

All rights reserved.
1.52 jetty-unixsocket 9.4.11.v20180605

1.53 libxrender 0.9.10 7.el8

1.53.1 Available under license:

Copyright 2001,2003 Keith Packard

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Keith Packard not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Keith Packard makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

KEITH PACKARD DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL KEITH PACKARD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright 2000 SuSE, Inc.

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of SuSE not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. SuSE makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

SuSE DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL SuSE BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

1.54 gmp 6.1.2

1.54.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
‘Gnomovision’ (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an
exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.
The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological
measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in
reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.
Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.
11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license
you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of
the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.
If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.
The “Corresponding Application Code” for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse
engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library
facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of
software on general-purpose computers, but in those that do, we wish to
avoid the special danger that patents applied to a free program could
make it effectively proprietary. To prevent this, the GPL assures that
patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and
modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of
works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this
License. Each licensee is addressed as "you". "Licensees" and
"recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work
in a fashion requiring copyright permission, other than the making of an
exact copy. The resulting work is called a "modified version" of the
earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based
on the Program.

To "propagate" a work means to do anything with it that, without
permission, would make you directly or secondarily liable for
infringement under applicable copyright law, except executing it on a
computer or modifying a private copy. Propagation includes copying,
distribution (with or without modification), making available to the
public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other
parties to make or receive copies. Mere interaction with a user through
a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices"
to the extent that it includes a convenient and prominently visible
feature that (1) displays an appropriate copyright notice, and (2)
tells the user that there is no warranty for the work (except to the
extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited
permission to run the unmodified Program. The output from running a
covered work is covered by this License only if the output, given its
content, constitutes a covered work. This License acknowledges your
rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains
in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you
with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do
not control copyright. Those thus making or running the covered works
for you must do so exclusively on your behalf, under your direction
and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed; section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological
measure under any applicable law fulfilling obligations under article
11 of the WIPO copyright treaty adopted on 20 December 1996, or
similar laws prohibiting or restricting circumvention of such
measures.

When you convey a covered work, you waive any legal power to forbid
circumvention of technological measures to the extent such circumvention
is effected by exercising rights under this License with respect to
the covered work, and you disclaim any intention to limit operation or
modification of the work as a means of enforcing, against the work's
users, your or third parties' legal rights to forbid circumvention of
technological measures.


You may convey verbatim copies of the Program's source code as you
receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice;
keep intact all notices stating that this License and any
non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all
recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey,
and you may offer support or warranty protection for a fee.
5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium
customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately
under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you
must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.
Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to
sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.
THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOUL THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <https://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <https://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <https://www.gnu.org/philosophy/why-not-lgpl.html>.

1.55 spring-beans 4.3.30.RELEASE
1.55.1 Available under license:
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2013 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 */
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/BeanInfoFactory.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/support/AbstractBeanDefinitionReader.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/groovy/GroovyDynamicElementReader.groovy
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/support/BeanDefinitionReader.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/config/TypedStringValue.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/support/BeanDefinitionReader.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/config/CustomEditorConfigurer.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/access/BeanFactoryReference.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/SimpleTypeConverter.java

No license file was found, but licenses were detected in source scan.

/"
* Copyright 2002-2007 the original author or authors.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/serviceloader/ServiceFactoryBean.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/parsing/ReaderEventListener.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/serviceloader/AbstractServiceLoaderBasedFactoryBean.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/parsing/DefaultsDefinition.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/PropertyValuesEditor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/serviceloader/ServiceLoaderFactoryBean.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/support/BeanNameGenerator.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2006 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
* https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/propertyeditors/CharArrayPropertyEditor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/propertyeditors/ByteArrayPropertyEditor.java
No license file was found, but licenses were detected in source scan.
/*
 * Copyright 2002-2019 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/ExtendedBeanInfo.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/config/InstantiationAwareBeanPostProcessor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/xml/PluggableSchemaResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/InjectionPoint.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/ListableBeanFactory.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/config/ConstructorArgumentValues.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/config/Autowired.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/xml/ResourceEntityResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/xml/BeansDtdResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/support/AutowireUtils.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/support/MethodOverrides.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/config/PropertyPlaceholderConfigurer.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/support/AutowireCapableBeanFactory.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/BeanFactory.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/xml/DelegatingEntityResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/annotation/Autowired.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/xml/ResourceEntityResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/xml/BeansDtdResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1.jar/org/springframework/beans/factory/support/AutowireUtils.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
Found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/config/SetFactoryBean.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/parsing/Problem.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/parsing/ReaderContext.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/config/ServiceLocatorFactoryBean.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/support/SimpleAutowiredCandidateResolver.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2012 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/config/CustomScopeConfigurer.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/support/GenericTypeAwareAutowireCandidateResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/parsing/BeanComponentDefinition.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/PropertyAccessor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/PropertyAccessException.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/config/MethodInvokingFactoryBean.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/config/MapFactoryBean.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/config/BeanDefinition.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/support/BeanDefinitionBuilder.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/xml/AbstractBeanDefinitionParser.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/propertyeditors/ResourceBundleEditor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/ObjectFactory.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/CannotLoadBeanClassException.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/config/ListFactoryBean.java

Open Source Used In CSPC_Collector 2.9.1 594
jar/org/springframework/beans/NotWritablePropertyException.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/support/MutableSortDefinition.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/parsing/BeanDefinitionParsingException.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/config/RuntimeBeanReference.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/wiring/ClassNameBeanWiringInfoResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/parsing/AbstractComponentDefinition.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/parsing/ParseState.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/wiring/BeanWiringInfo.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/wiring/BeanWiringInfoResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/parsing/ConstructorArgumentEntry.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/BeanIsAbstractException.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/BeanClassLoaderAware.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/xml/SimplePropertyNamespaceHandler.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/annotation/Required.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/config/PropertyPathFactoryBean.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/BeanExpressionException.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/BeanIsNotAFactoryException.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/parsing/EmptyReaderEventListener.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/ConversionNotSupportedException.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/ManagedArray.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/xml/AbstractSimpleBeanDefinitionParser.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/xml/XmlReaderContext.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/MethodOverride.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/BeanDefinitionValueResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/AnnotationableBeanDefinition.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/InstantiationStrategy.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/BeanDefinitionValueResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/InstantiationStrategy.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/config/MethodInvokingBean.java

No license file was found, but licenses were detected in source scan.

/ * Copyright 2002-2014 the original author or authors.
  *
  * Licensed under the Apache License, Version 2.0 (the "License");
  * you may not use this file except in compliance with the License.
  * You may obtain a copy of the License at
  *
  *   https://www.apache.org/licenses/LICENSE-2.0
  *
  * Unless required by applicable law or agreed to in writing, software
  * distributed under the License is distributed on an "AS IS" BASIS,
  * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
  * See the License for the specific language governing permissions and
  * limitations under the License.
  */

Found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/BeanDefinitionValueResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/InstantiationStrategy.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/config/MethodInvokingBean.java

Open Source Used In CSPC_Collector 2.9.1 599
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2008 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2016 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * https://www.apache.org/licenses/LICENSE-2.0
 */

Open Source Used In CSPC_Collector 2.9.1 600
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/propertyeditors/URLEditor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/config/Scope.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/propertyeditors/CustomCollectionEditor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/config/UtilNamespaceHandler.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/propertyeditors/ReaderEditor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/NoSuchBeanDefinitionException.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/propertyeditors/PathEditor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/support/EmbeddedValueResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/ConfigurableBeanFactory.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/NullValueInNestedPathException.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/factory/support/PathEditor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-jar/org/springframework/beans/propertyeditors/InputStreamEditor.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2018 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/annotation/AnnotationBeanWiringInfoResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/groovy/GroovyBeanDefinitionWrapper.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/MutablePropertyValues.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/xml/DefaultNamespaceHandlerResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/Aware.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/config/YamlProcessor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/config/DestructionAwareBeanPostProcessor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/groovy/GroovyBeanDefinitionReader.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/annotation/QualifierAnnotationAutowireCandidateResolver.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/InitializingBean.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/xml/ParserContext.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/PropertiesBeanDefinitionReader.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/DefaultSingletonBeanRegistry.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/BeanDefinitionRegistry.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/BeanDefinitionStoreException.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2011 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*  
*      https://www.apache.org/licenses/LICENSE-2.0
*  
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/config/BeanDefinitionVisitor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/annotation/Qualifier.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/BeanNameAware.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/xml/BeanDefinitionParser.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2015 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*  
*      https://www.apache.org/licenses/LICENSE-2.0
*  
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/PropertyEditorRegistrySupport.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2010 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
  jar/org/springframework/beans/factory/support/BeanDefinitionRegistryPostProcessor.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2020 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/BeanWrapperImpl.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/DirectFieldAccessor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/AbstractPropertyAccessor.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/AbstractBeanFactory.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/parsing/BeanEntry.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/BeanDefinitionDefaults.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/StaticListableBeanFactory.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/CachedIntrospectionResults.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/annotation/Lookup.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/ReplaceOverride.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/parsing/QualifierEntry.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/support/AbstractAutowireCapableBeanFactory.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/FactoryBean.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/factory/parsing/PropertyEntry.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/BeanUtils.java
* /opt/cola/permits/1137268069_1614043211.45/0/spring-beans-4-3-30-release-sources-1-
jar/org/springframework/beans/AbstractNestablePropertyAccessor.java

1.56 perl-file-path 2.15-2.el8

1.56.1 Available under license:
No license file was found, but licenses were detected in source scan.

---

abstract: 'Create or remove directory trees'
author:
build_requires:
  Carp: '0'
  Config: '0'
  Errno: '0'
  ExtUtils::MakeMaker: '0'
  Fcntl: '0'
  File::Spec::Functions: '0'
  SelectSaver: '0'
  Test::Simple: '0.44'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: unknown
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: File-Path
no_index:
directory:
  - t
  - inc
requires:
  Cwd: '0'
  Exporter: '0'
  File::Basename: '0'
  File::Spec: '0'
resources:
  repository: https://github.com/jkeenan/File-Path.git
  version: '2.15'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):

No license file was found, but licenses were detected in source scan.

NAME
 File::Path - Create or remove directory trees

INSTALLATION
 perl Makefile.PL
  make
  make test
  make install

PREREQUISITES
All prerequisites are found in the Perl 5 core distribution.

To configure:
  ExtUtils::MakeMaker

To build:
  Cwd     File::Basename
  Exporter File::Spec

To test:
  Carp    File::Spec::Functions
  Config  SelectSaver
  Cwd     Test::More
  Errno   Win32    # Windows only
  Fcntl

BUGS
The File-Path bug tracker is located at:

<http://rt.cpan.org/NoAuth/Bugs.html?Dist=File-Path>

File reports by sending email to:

  bug-File-Path@rt.cpan.org

Include test programs or patches as email attachments.

AUTHORS
Prior authors and maintainers: Tim Bunce, Charles Bailey, and David
Landgren (david at landgren dot net).

Current maintainers are Richard Elberger (riche at cpan dot org) and
James E Keenan (jkeenan at cpan dot org).

COPYRIGHT
This module is copyright (C) Charles Bailey, Tim Bunce, David Landgren,
James Keenan, and Richard Elberger 1995-2017. All rights reserved.

LICENSE
This library is free software; you can redistribute it and/or modify it
under the same terms as Perl itself.

Found in path(s):
No license file was found, but licenses were detected in source scan.

=head1 NAME
File::Path - Create or remove directory trees

=head1 VERSION


=head1 SYNOPSIS

use File::Path qw(make_path remove_tree);

@created = make_path('foo/bar/baz', '/zug/zwang');
@created = make_path('foo/bar/baz', '/zug/zwang', { verbose => 1, mode => 0711, });
make_path('foo/bar/baz', '/zug/zwang', { chmod => 0777, });

$removed_count = remove_tree('foo/bar/baz', '/zug/zwang', { verbose => 1, error => \my $err_list, safe => 1, });

# legacy (interface promoted before v2.00)
@created = mkpath('/foo/bar/baz');
@created = mkpath('/foo/bar/baz', 1, 0711);
@created = mkpath(['/foo/bar/baz', 'blurfl/quux'], 1, 0711);
$removed_count = rmtree('/foo/bar/baz', 1, 1);
$removed_count = rmtree(['/foo/bar/baz', 'blurfl/quux'], 1, 1);

# legacy (interface promoted before v2.06)
@created = mkpath('foo/bar/baz', '/zug/zwang', { verbose => 1, mode => 0711 });
$removed_count = rmtree('foo/bar/baz', '/zug/zwang', { verbose => 1, mode => 0711 });

=head1 DESCRIPTION

This module provides a convenient way to create directories of arbitrary depth and to delete an entire directory subtree from the filesystem.

The following functions are provided:

=over

=item make_path( $dir1, $dir2, .... )
The `make_path` function creates the given directories if they don't exist before, much like the Unix command `mkdir -p`.

The function accepts a list of directories to be created. Its behaviour may be tuned by an optional hashref appearing as the last parameter on the call.

The function returns the list of directories actually created during the call; in scalar context the number of directories created.

The following keys are recognised in the option hash:

- `mode => $num`
  The numeric permissions mode to apply to each created directory (defaults to `0777`), to be modified by the current `umask`. If the directory already exists (and thus does not need to be created), the permissions will not be modified.
  `mask` is recognised as an alias for this parameter.

- `chmod => $num`
  Takes a numeric mode to apply to each created directory (not modified by the current `umask`). If the directory already exists (and thus does not need to be created), the permissions will not be modified.

- `verbose => $bool`
  If present, will cause `make_path` to print the name of each directory as it is created. By default nothing is printed.

- `error => \$err`
  If present, it should be a reference to a scalar. This scalar will be made to reference an array, which will be used to store any errors that are encountered. See the L</"ERROR HANDLING"> section for more information.

  If this parameter is not used, certain error conditions may raise a fatal error that will cause the program to halt, unless trapped in an `eval` block.
=item owner => $owner

=item user => $owner

=item uid => $owner

If present, will cause any created directory to be owned by C<$owner>. If the value is numeric, it will be interpreted as a uid; otherwise a username is assumed. An error will be issued if the username cannot be mapped to a uid, the uid does not exist or the process lacks the privileges to change ownership.

Ownership of directories that already exist will not be changed.

C<user> and C<uid> are aliases of C<owner>.

=item group => $group

If present, will cause any created directory to be owned by the group C<$group>. If the value is numeric, it will be interpreted as a gid; otherwise a group name is assumed. An error will be issued if the group name cannot be mapped to a gid, the gid does not exist or the process lacks the privileges to change group ownership.

Group ownership of directories that already exist will not be changed.

    make_path '/var/tmp/webcache', {owner=>'nobody', group=>'nogroup'};

=back

=item mkpath( $dir )

=item mkpath( $dir, $verbose, $mode )

=item mkpath( [$dir1, $dir2,...], $verbose, $mode )

=item mkpath( $dir1, $dir2,..., \%opt )

The C<mkpath()> function provide the legacy interface of C<make_path()> with a different interpretation of the arguments passed. The behaviour and return value of the function is otherwise identical to C<make_path()>.

=item remove_tree( $dir1, $dir2, .... )

=item remove_tree( $dir1, $dir2, ...., \%opts )
The `remove_tree()` function deletes the given directories and any
files and subdirectories they might contain, much like the Unix
command `rm -rf` or the Windows commands `rmdir /s` and `rd /s`.

The function accepts a list of directories to be removed. (In point of fact,
it will also accept filesystem entries which are not directories, such as
regular files and symlinks. But, as its name suggests, its intent is to
remove trees rather than individual files.)

`remove_tree()`'s behaviour may be tuned by an optional hashref
appearing as the last parameter on the call. If an empty string is
passed to `remove_tree()`, an error will occur.

**NOTE:** For security reasons, we strongly advise use of the
hashref-as-final-argument syntax -- specifically, with a setting of the `safe`
element to a true value.

```perl
remove_tree( $dir1, $dir2, .....;
   { safe => 1, 
     ... # other key-value pairs
   },
);
```

The function returns the number of files successfully deleted.

The following keys are recognised in the option hash:

- `verbose => $bool`

  If present, will cause `remove_tree()` to print the name of each file as
  it is unlinked. By default nothing is printed.

- `safe => $bool`

  When set to a true value, will cause `remove_tree()` to skip the files
  for which the process lacks the required privileges needed to delete
  files, such as delete privileges on VMS. In other words, the code
  will make no attempt to alter file permissions. Thus, if the process
  is interrupted, no filesystem object will be left in a more
  permissive mode.

- `keep_root => $bool`

  When set to a true value, will cause all files and subdirectories
  to be removed, except the initially specified directories. This comes
in handy when cleaning out an application's scratch directory.

```perl
remove_tree( '/tmp', {keep_root => 1} );
```

=item result => \$res

If present, it should be a reference to a scalar. This scalar will be made to reference an array, which will be used to store all files and directories unlinked during the call. If nothing is unlinked, the array will be empty.

```perl
remove_tree( '/tmp', {result => \my \$list} );
print "unlinked \$_" for @$list;
```

This is a useful alternative to the C<verbose> key.

=item error => \$err

If present, it should be a reference to a scalar. This scalar will be made to reference an array, which will be used to store any errors that are encountered. See the L</"ERROR HANDLING"> section for more information.

Removing things is a much more dangerous proposition than creating things. As such, there are certain conditions that C<remove_tree()> may encounter that are so dangerous that the only sane action left is to kill the program.

Use C<error> to trap all that is reasonable (problems with permissions and the like), and let it die if things get out of hand. This is the safest course of action.

=back

=item rmtree( \$dir )

=item rmtree( \$dir, \$verbose, \$safe )

=item rmtree( [\$dir1, \$dir2,...]. \$verbose, \$safe )

=item rmtree( \$dir1, \$dir2,..., \%opt )

The C<rmtree()> function provide the legacy interface of C<remove_tree()> with a different interpretation of the arguments passed. The behaviour and return value of the function is otherwise identical to C<remove_tree()>.

B<NOTE:> For security reasons, we strongly advise use of the
hashref-as-final-argument syntax, specifically with a setting of the C<safe> element to a true value.

```perl
rmtree( $dir1, $dir2, ....,
    {
        safe => 1,
        ...   # other key-value pairs
    },
);
```

=head2 ERROR HANDLING

=item B<NOTE:>

The following error handling mechanism is consistent throughout all code paths EXCEPT in cases where the ROOT node is nonexistent. In version 2.11 the maintainers attempted to rectify this inconsistency but too many downstream modules encountered problems. In such case, if you require root node evaluation or error checking prior to calling C<make_path> or C<remove_tree>, you should take additional precautions.

=back

If C<make_path> or C<remove_tree> encounters an error, a diagnostic message will be printed to C<STDERR> via C<carp> (for non-fatal errors) or via C<croak> (for fatal errors).

If this behaviour is not desirable, the C<error> attribute may be used to hold a reference to a variable, which will be used to store the diagnostics. The variable is made a reference to an array of hash references. Each hash contain a single key/value pair where the key is the name of the file, and the value is the error message (including the contents of C<$!> when appropriate). If a general error is encountered the diagnostic key will be empty.

An example usage looks like:

```perl
remove_tree( 'foo/bar', 'bar/rat', {error => \my $err} );
if ($err && @$err) {
    for my $diag (@$err) {
        my ($file, $message) = %$diag;
        if ($file eq '') {
            print "general error: $message\n";
        }
    }
}
```
else {
    print "problem unlinking $file: $message\n";
}

else {
    print "No error encountered\n";
}

Note that if no errors are encountered, $err will reference an empty array. This means that $err will always end up TRUE; so you need to test @err to determine if errors occurred.

=head2 NOTES

C<File::Path> blindly exports C<mkpath> and C<rmtree> into the current namespace. These days, this is considered bad style, but to change it now would break too much code. Nonetheless, you are invited to specify what it is you are expecting to use:

use File::Path 'rmtree';

The routines C<make_path> and C<remove_tree> are B<not> exported by default. You must specify which ones you want to use.

use File::Path 'remove_tree';

Note that a side-effect of the above is that C<mkpath> and C<rmtree> are no longer exported at all. This is due to the way the C<Exporter> module works. If you are migrating a codebase to use the new interface, you will have to list everything explicitly. But that's just good practice anyway.

use File::Path qw(remove_tree rmtree);

=head3 API CHANGES

The API was changed in the 2.0 branch. For a time, C<mkpath> and C<rmtree> tried, unsuccessfully, to deal with the two different calling mechanisms. This approach was considered a failure.

The new semantics are now only available with C<make_path> and C<remove_tree>. The old semantics are only available through C<mkpath> and C<rmtree>. Users are strongly encouraged to upgrade to at least 2.08 in order to avoid surprises.

=head3 SECURITY CONSIDERATIONS
There were race conditions in the 1.x implementations of File::Path’s C<rmtree> function (although sometimes patched depending on the OS distribution or platform). The 2.0 version contains code to avoid the problem mentioned in CVE-2002-0435.

See the following pages for more information:

http://bugs.debian.org/cgi-bin/bugreport.cgi?bug=286905
http://www.nttp.perl.org/group/perl.perl5.porters/2005/01/msg97623.html

Additionally, unless the C<safe> parameter is set (or the third parameter in the traditional interface is TRUE), should a C<remove_tree> be interrupted, files that were originally in read-only mode may now have their permissions set to a read-write (or "delete OK") mode.

The following CVE reports were previously filed against File-Path and are believed to have been addressed:

=over 4
=item * L<http://cve.circl.lu/cve/CVE-2004-0452>
=item * L<http://cve.circl.lu/cve/CVE-2005-0448>
=back

In February 2017 the cPanel Security Team reported an additional vulnerability in File-Path. The C<chmod()> logic to make directories traversable can be abused to set the mode on an attacker-chosen file to an attacker-chosen value. This is due to the time-of-check-to-time-of-use (TOCTTOU) race condition (L<https://en.wikipedia.org/wiki/Time_of_check_to_time_of_use>) between the C<stat()> that decides the inode is a directory and the C<chmod()> that tries to make it user-rwx. CPAN versions 2.13 and later incorporate a patch provided by John Lightsey to address this problem. This vulnerability has been reported as CVE-2017-6512.

=head1 DIAGNOSTICS

FATAL errors will cause the program to halt (C<croak>), since the problem is so severe that it would be dangerous to continue. (This can always be trapped with C<eval>, but it's not a good idea. Under the circumstances, dying is the best thing to do).

SEVERE errors may be trapped using the modern interface. If the they are not trapped, or if the old interface is used, such an error will cause the program will halt.
All other errors may be trapped using the modern interface, otherwise they will be C<carp>ed about. Program execution will not be halted.

=item mkdir [path]: [errmsg] (SEVERE)

C<make_path> was unable to create the path. Probably some sort of permissions error at the point of departure or insufficient resources (such as free inodes on Unix).

=item No root path(s) specified

C<make_path> was not given any paths to create. This message is only emitted if the routine is called with the traditional interface. The modern interface will remain silent if given nothing to do.

=item No such file or directory

On Windows, if C<make_path> gives you this warning, it may mean that you have exceeded your filesystem's maximum path length.

=item cannot fetch initial working directory: [errmsg]

C<remove_tree> attempted to determine the initial directory by calling C<Cwd::getcwd>, but the call failed for some reason. No attempt will be made to delete anything.

=item cannot stat initial working directory: [errmsg]

C<remove_tree> attempted to stat the initial directory (after having successfully obtained its name via C<getcwd>), however, the call failed for some reason. No attempt will be made to delete anything.

=item cannot chdir to [dir]: [errmsg]

C<remove_tree> attempted to set the working directory in order to begin deleting the objects therein, but was unsuccessful. This is usually a permissions issue. The routine will continue to delete other things, but this directory will be left intact.

=item directory [dir] changed before chdir, expected dev=[n] ino=[n], actual dev=[n] ino=[n], aborting. (FATAL)

C<remove_tree> recorded the device and inode of a directory, and then moved into it. It then performed a C<stat> on the current directory and detected that the device and inode were no longer the same. As this is at the heart of the race condition problem, the program
will die at this point.

=item cannot make directory [dir] read+writeable: [errmsg]

C<remove_tree> attempted to change the permissions on the current directory to ensure that subsequent unlinkings would not run into problems, but was unable to do so. The permissions remain as they were, and the program will carry on, doing the best it can.

=item cannot read [dir]: [errmsg]

C<remove_tree> tried to read the contents of the directory in order to acquire the names of the directory entries to be unlinked, but was unsuccessful. This is usually a permissions issue. The program will continue, but the files in this directory will remain after the call.

=item cannot reset chmod [dir]: [errmsg]

C<remove_tree>, after having deleted everything in a directory, attempted to restore its permissions to the original state but failed. The directory may wind up being left behind.

=item cannot remove [dir] when cwd is [dir]

The current working directory of the program is F</some/path/to/here> and you are attempting to remove an ancestor, such as F</some/path>. The directory tree is left untouched.

The solution is to C<chdir> out of the child directory to a place outside the directory tree to be removed.

=item cannot chdir to [parent-dir] from [child-dir]: [errmsg], aborting. (FATAL)

C<remove_tree>, after having deleted everything and restored the permissions of a directory, was unable to chdir back to the parent. The program halts to avoid a race condition from occurring.

=item cannot stat prior working directory [dir]: [errmsg], aborting. (FATAL)

C<remove_tree> was unable to stat the parent directory after having returned from the child. Since there is no way of knowing if we returned to where we think we should be (by comparing device and inode) the only way out is to C<croak>.

=item previous directory [parent-dir] changed before entering [child-dir], expected dev=[n] ino=[n], actual dev=[n] ino=[n], aborting. (FATAL)
When `remove_tree` returned from deleting files in a child directory, a check revealed that the parent directory it returned to wasn't the one it started out from. This is considered a sign of malicious activity.

```plaintext
=item cannot make directory [dir] writeable: [errmsg]
```

Just before removing a directory (after having successfully removed everything it contained), `remove_tree` attempted to set the permissions on the directory to ensure it could be removed and failed. Program execution continues, but the directory may possibly not be deleted.

```plaintext
=item cannot remove directory [dir]: [errmsg]
```

`remove_tree` attempted to remove a directory, but failed. This may be because some objects that were unable to be removed remain in the directory, or it could be a permissions issue. The directory will be left behind.

```plaintext
=item cannot restore permissions of [dir] to [0nnn]: [errmsg]
```

After having failed to remove a directory, `remove_tree` was unable to restore its permissions from a permissive state back to a possibly more restrictive setting. (Permissions given in octal).

```plaintext
=item cannot make file [file] writeable: [errmsg]
```

`remove_tree` attempted to force the permissions of a file to ensure it could be deleted, but failed to do so. It will, however, still attempt to unlink the file.

```plaintext
=item cannot unlink file [file]: [errmsg]
```

`remove_tree` failed to remove a file. Probably a permissions issue.

```plaintext
=item cannot restore permissions of [file] to [0nnn]: [errmsg]
```

After having failed to remove a file, `remove_tree` was also unable to restore the permissions on the file to a possibly less permissive setting. (Permissions given in octal).

```plaintext
=item unable to map [owner] to a uid, ownership not changed
```

`make_path` was instructed to give the ownership of created directories to the symbolic name `[owner]`, but `getpwnam` did not return the corresponding numeric uid. The directory will be created, but ownership will not be changed.

```plaintext
=item unable to map [group] to a gid, group ownership not changed
```
C<make_path> was instructed to give the group ownership of created directories to the symbolic name [group], but C<getgrnam> did not return the corresponding numeric gid. The directory will be created, but group ownership will not be changed.

=head1 SEE ALSO

=item *

L<File::Remove>

Allows files and directories to be moved to the Trashcan/Recycle Bin (where they may later be restored if necessary) if the operating system supports such functionality. This feature may one day be made available directly in C<File::Path>.

=item *

L<File::Find::Rule>

When removing directory trees, if you want to examine each file to decide whether to delete it (and possibly leaving large swathes alone), F<File::Find::Rule> offers a convenient and flexible approach to examining directory trees.

=head2 BUGS AND LIMITATIONS

The following describes F<File::Path> limitations and how to report bugs.

=head2 MULTITHREADED APPLICATIONS

F<File::Path> C<rmtree> and C<remove_tree> will not work with multithreaded applications due to its use of C<chdir>. At this time, no warning or error is generated in this situation. You will certainly encounter unexpected results.

The implementation that surfaces this limitation will not be changed. See the F<File::Path::Tiny> module for functionality similar to F<File::Path> but which does not C<chdir>.

=head2 NFS Mount Points
F<File::Path> is not responsible for triggering the automounts, mirror mounts, and the contents of network mounted filesystems. If your NFS implementation requires an action to be performed on the filesystem in order for F<File::Path> to perform operations, it is strongly suggested you assure filesystem availability by reading the root of the mounted filesystem.

=head2 REPORTING BUGS

Please report all bugs on the RT queue, either via the web interface:

L<http://rt.cpan.org/NoAuth/Bugs.html?Dist=File-Path>

or by email:

    bug-File-Path@rt.cpan.org

In either case, please B<attach> patches to the bug report rather than including them inline in the web post or the body of the email.

You can also send pull requests to the Github repository:

L<https://github.com/rpcme/File-Path>

=head1 ACKNOWLEDGEMENTS

Paul Szabo identified the race condition originally, and Brendan O'Dea wrote an implementation for Debian that addressed the problem. That code was used as a basis for the current code. Their efforts are greatly appreciated.

Gisle Aas made a number of improvements to the documentation for 2.07 and his advice and assistance is also greatly appreciated.

=head1 AUTHORS

Prior authors and maintainers: Tim Bunce, Charles Bailey, and David Landgren <F<david@landgren.net>>.

Current maintainers are Richard Elberger <F<riche@cpan.org>> and James (Jim) Keenan <F<jkeenan@cpan.org>>.

=head1 CONTRIBUTORS

Contributors to File::Path, in alphabetical order by first name.

=over 1

=item <F<bulkdd@cpan.org>>
=item Charlie Gonzalez <F<itcharlie@cpan.org>>

=item Craig A. Berry <F<craigberry@mac.com>>

=item James E Keenan <F<jkeenan@cpan.org>>

=item John Lightsey <F<john@perlsec.org>>

=item Nigel Horne <F<njh@bandsman.co.uk>>

=item Richard Elberger <F<riche@cpan.org>>

=item Ryan Yee <F<ryee@cpan.org>>

=item Skye Shaw <F<shaw@cpan.org>>

=item Tom Lutz <F<tommylutz@gmail.com>>

=item Will Sheppard <F<willsheppard@github>>

=back

=head1 COPYRIGHT

This module is copyright (C) Charles Bailey, Tim Bunce, David Landgren, James Keenan and Richard Elberger 1995-2017. All rights reserved.

=head1 LICENSE

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
1.57 wsdl4j 1.5.1

1.58 json-c 0.13.1 0.2.el8

1.58.1 Available under license:

Copyright (c) 2009-2012 Eric Haszlakiewicz

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----------------------------------------------------------------

Copyright (c) 2004, 2005 Metaparadigm Pte Ltd

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.59 vim 8.0.1763 15.el8

1.60 ding-libs 0.1.1-39.el8

1.60.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked
Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are
based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the
object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:
a) Give prominent notice with each copy of the Combined Work that
the Library is used in it and that the Library and its use are
covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license
document.

c) For a Combined Work that displays copyright notices during
execution, include the copyright notice for the Library among
these notices, as well as a reference directing the user to the
copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this
License, and the Corresponding Application Code in a form
suitable for, and under terms that permit, the user to
recombine or relink the Application with a modified version of
the Linked Version to produce a modified Combined Work, in the
manner specified by section 6 of the GNU GPL for conveying
Corresponding Source.

1) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (a) uses at run time
a copy of the Library already present on the user's computer
system, and (b) will operate properly with a modified version
of the Library that is interface-compatible with the Linked
Version.

e) Provide Installation Information, but only if you would otherwise
be required to provide such information under section 6 of the
GNU GPL, and only to the extent that such information is
necessary to install and execute a modified version of the
Combined Work produced by recombining or relinking the
Application with a modified version of the Linked Version. (If
you use option 4d0, the Installation Information must accompany
the Minimal Corresponding Source and Corresponding Application
Code. If you use option 4d1, you must provide the Installation
Information in the manner specified by section 6 of the GNU GPL
for conveying Corresponding Source.)


You may place library facilities that are a work based on the
Library side by side in a single library together with other library
facilities that are not Applications and are not covered by this
License, and convey such a combined library under terms of your
choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free...
software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could
make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its
content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.
You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.
When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating
where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically
receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a
patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a
covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that oblige you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

1.61 rsync 3.1.3 6.el8
1.61.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble
The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we
stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2)
tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.
2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License,
in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this
License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or
10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and
propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may
otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any
author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read
Copyright (c) 1998 Red Hat Software

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

1.62 bind 9.11.20 5.el8_3.1

1.62.1 Available under license:
Mozilla Public License, version 2.0

1. Definitions

1.1. "Contributor"

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version"

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"

means Covered Software of a particular Contributor.

1.4. "Covered Software"

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. "Incompatible With Secondary Licenses"

means
a. that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or

b. that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. "License"

means this document.

1.9. "Licensable"

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. "Modifications"

means any of the following:

a. any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

b. any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.
1.13. "Source Code Form"

means the form of the work preferred for making modifications.

1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

a. under intellectual property rights (other than patent or trademark) licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

b. under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

a. for any code that a Contributor has removed from Covered Software; or
b. for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

c. under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code.
3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

a. such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

b. You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional
disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

6. Disclaimer of Warranty

Covered Software is provided under this License on an "as is" basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free
of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.

7. Limitation of Liability

Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any character including, without limitation, damages for lost profits, loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section
10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - “Incompatible With Secondary Licenses” Notice

This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

<!--
- Copyright (C) Internet Systems Consortium, Inc. ("ISC")
-->
- This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.

- See the COPYRIGHT file distributed with this work for additional information regarding copyright ownership.

-->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
  <xsl:text>
This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.
</xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
        Copyright (C) <xsl:text>
      </xsl:text>
      <xsl:call-template name="copyright.years">
        <xsl:with-param name="years" select="year"/>
      </xsl:call-template>
      <xsl:with-param name="text" select="holder"/>
      <xsl:value-of select="$isc.copyright.breakline"/>
    </xsl:for-each>
  </xsl:call-template>
</xsl:variable>
Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND NOMINUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL NOMINUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

------------------------------------------------------------------

Copyright (C) 1995-2000 by Network Associates, Inc.

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ISC AND NETWORK ASSOCIATES DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

------------------------------------------------------------------

Copyright (C) 2002 Stichting NLnet, Netherlands, stichting@nlnet.nl.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND STICHTING NLNET DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL STICHTING NLNET BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The development of Dynamically Loadable Zones (DLZ) for Bind 9 was conceived and contributed by Rob Butler.
Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ROB BUTLER DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ROB BUTLER BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

******************************************************************************

Copyright (c) 1987, 1990, 1993, 1994
The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

******************************************************************************

Copyright (C) The Internet Society 2005. This version of this module is part of RFC 4178; see the RFC itself for
full legal notices.

(The above copyright notice is per RFC 3978 5.6 (a), q.v.)

------------------------------------------------------------------------------
Copyright (c) 2004 Masarykova universita
(Masaryk University, Brno, Czech Republic)
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice,
   this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
   documentation and/or other materials provided with the distribution.

3. Neither the name of the University nor the names of its contributors may
   be used to endorse or promote products derived from this software
   without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

------------------------------------------------------------------------------
Copyright (c) 1997 - 2003 Kungliga Tekniska Hgskolan
(Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.

Open Source Used In CSPC_Collector 2.9.1 669
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the Institute nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS ""AS IS"" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

----------------------------------------------------------------------------------------

Copyright (c) 1998 Doug Rabson
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ""AS IS"" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

----------------------------------------------------------------------------------------
Copyright (c) 2002, Rice University
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Rice University (RICE) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

This software is provided by RICE and the contributors on an "as is" basis, without any representations or warranties of any kind, express or implied including, but not limited to, representations or warranties of non-infringement, merchantability or fitness for a particular purpose. In no event shall RICE or contributors be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this software, even if advised of the possibility of such damage.

----------------------------------------------------------------------

Copyright (c) 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT
CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL
DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR
PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS
ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS
SOFTWARE.

----------------------------------------------------------------------------

Copyright 2000 Aaron D. Gifford. All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of contributors
   may be used to endorse or promote products derived from this software
   without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR(S) AND CONTRIBUTOR(S) `AS IS' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR(S) OR CONTRIBUTOR(S) BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

----------------------------------------------------------------------------

Copyright (c) 1998 Doug Rabson.
Copyright (c) 2001 Jake Burkholder.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

----------------------------------------------------------------------------

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

----------------------------------------------------------------------------

Copyright (c) 1999-2000 by Nortel Networks Corporation

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above
copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND NORTEL NETWORKS DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL NORTEL NETWORKS BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----------------------------------------------------------------------------

Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved.

By using this file, you agree to the terms and conditions set forth bellow.

LICENSE TERMS AND CONDITIONS

The following License Terms and Conditions apply, unless a different license is obtained from Japan Network Information Center ("JPNIC"), a Japanese association, Kokusai-Kougyou-Kanda Bldg 6F, 2-3-4 Uchi-Kanda, Chiyoda-ku, Tokyo 101-0047, Japan.

1. Use, Modification and Redistribution (including distribution of any modified or derived work) in source and/or binary forms is permitted under this License Terms and Conditions.

2. Redistribution of source code must retain the copyright notices as they appear in each source code file, this License Terms and Conditions.

3. Redistribution in binary form must reproduce the Copyright Notice, this License Terms and Conditions, in the documentation and/or other materials provided with the distribution. For the purposes of binary distribution the "Copyright Notice" refers to the following language: "Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved."

4. The name of JPNIC may not be used to endorse or promote products derived from this Software without specific prior written approval of JPNIC.

5. Disclaimer/Limitation of Liability: THIS SOFTWARE IS PROVIDED BY JPNIC "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JPNIC BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

-------------------------------------------------------------------------------------------

Copyright (C) 2004 Nominet, Ltd.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND NOMINET DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-------------------------------------------------------------------------------------------

Portions Copyright RSA Security Inc.

License to copy and use this software is granted provided that it is identified as "RSA Security Inc. PKCS #11 Cryptographic Token Interface (Cryptoki)" in all material mentioning or referencing this software.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Security Inc. PKCS #11 Cryptographic Token Interface (Cryptoki)" in all material mentioning or referencing the derived work.

RSA Security Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

-------------------------------------------------------------------------------------------

Copyright (c) 1996, David Mazieres <dm@uun.org>
Copyright (c) 2008, Damien Miller <djm@openbsd.org>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.
THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

------------------------------------------------------------------------

Copyright (c) 2000-2001 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgment:
   "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.OpenSSL.org/)"

4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact licensing@OpenSSL.org.

5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following acknowledgment:
   "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.OpenSSL.org/)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

------------------------------------------------------------------------

Copyright (c) 1995, 1997, 1998 The NetBSD Foundation, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

------------------------------------------------------------------------

Copyright (C) 2008-2011  Red Hat, Inc.

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND Red Hat DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL Red Hat BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE
OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----------------------------------------------------------------

Copyright (c) 2013-2014, Farsight Security, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----------------------------------------------------------------

Copyright (c) 2014 by Farsight Security, Inc.

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License.
Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved.

By using this file, you agree to the terms and conditions set forth below.

LICENSE TERMS AND CONDITIONS

The following License Terms and Conditions apply, unless a different license is obtained from Japan Network Information Center ("JPNIC"), a Japanese association, Kokusai-Kougyou-Kanda Bldg 6F, 2-3-4 Uchi-Kanda, Chiyoda-ku, Tokyo 101-0047, Japan.

1. Use, Modification and Redistribution (including distribution of any modified or derived work) in source and/or binary forms is permitted under this License Terms and Conditions.

2. Redistribution of source code must retain the copyright notices as they appear in each source code file, this License Terms and Conditions.

3. Redistribution in binary form must reproduce the Copyright Notice, this License Terms and Conditions, in the documentation and/or other materials provided with the distribution. For the purposes of binary distribution the "Copyright Notice" refers to the following language: "Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved."

4. The name of JPNIC may not be used to endorse or promote products derived from this Software without specific prior written approval of JPNIC.

5. Disclaimer/Limitation of Liability: THIS SOFTWARE IS PROVIDED BY JPNIC "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JPNIC BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

1.63 fdisk 2.32.1
1.63.1 Available under license:

/*
 * Copyright (c) 1989 The Regents of the University of California.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 * 3. All advertising materials mentioning features or use of this software
 *    must display the following acknowledgement:
 *       This product includes software developed by the University of
 *       California, Berkeley and its contributors.
 * 4. Neither the name of the University nor the names of its contributors
 *    may be used to endorse or promote products derived from this software
 *    without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
 * SUCH DAMAGE.
 */

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later
version.

The complete text of the license is available in the
../Documentation/licenses/COPYING.LGPLv2.1 file.

Open Source Used In CSPC_Collector 2.9.1 680
OPEN SOURCE LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you are free to know what these things are.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, and the entire permission notice in its entirety,
   including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote
   products derived from this software without specific prior
   written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF
WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE
USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH
DAMAGE.
This library is free software; you can redistribute it and/or modify it under the terms of the Modified BSD License.

The complete text of the license is available in the ../Documentation/licenses/COPYING.BSD-3 file.
Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

1.64 perl-digest-md5 2.55-396.el8
1.64.1 Available under license :
No license file was found, but licenses were detected in source scan.

---
abstract: 'Perl interface to the MD-5 algorithm'
author:
- 'Gisle Aas <gisle@activestate.com>'
built_requires:
  ExtUtils::MakeMaker: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.0401, CPAN::Meta::Converter version 2.150001'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: Digest-MD5
no_index:
directory:
  - t
  - inc
requires:
  Digest::base: '1.00'
  XSLoader: '0'
  perl: '5.006'
resources:
  repository: https://github.com/gisle/digest-md5
version: '2.55'

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548130_1591379411.76/0/perl-Digest-MD5-2.55-396.el8.src.rpm-cosi-expand-archive-qfwrDrJx/Digest-MD5-2.55.tar.gz-cosi-expand-archive-xOrAnhrN/Digest-MD5-2.55/META.yml

No license file was found, but licenses were detected in source scan.

Network Working Group                                         R. Rivest
Request for Comments: 1321                                    MIT Laboratory for Computer Science
                                                               and RSA Data Security, Inc.
                                                               April 1992

The MD5 Message-Digest Algorithm

Status of this Memo

This memo provides information for the Internet community. It does not specify an Internet standard. Distribution of this memo is unlimited.

Acknowledgements

We would like to thank Don Coppersmith, Burt Kaliski, Ralph Merkle, David Chaum, and Noam Nisan for numerous helpful comments and suggestions.

Table of Contents

1. Executive Summary                                               1
2. Terminology and Notation                                         2
3. MD5 Algorithm Description                                        3
4. Summary                                                          6
5. Differences Between MD4 and MD5                                  6
References                                                          7
APPENDIX A - Reference Implementation                              7
Security Considerations                                              21
Author's Address                                                    21

1. Executive Summary

This document describes the MD5 message-digest algorithm. The algorithm takes as input a message of arbitrary length and produces as output a 128-bit "fingerprint" or "message digest" of the input. It is conjectured that it is computationally infeasible to produce two messages having the same message digest, or to produce any message having a given prespecified target message digest. The MD5 algorithm is intended for digital signature applications, where a
large file must be "compressed" in a secure manner before being encrypted with a private (secret) key under a public-key cryptosystem such as RSA.

Rivest

RFC 1321 MD5 Message-Digest Algorithm April 1992

The MD5 algorithm is designed to be quite fast on 32-bit machines. In addition, the MD5 algorithm does not require any large substitution tables; the algorithm can be coded quite compactly.

The MD5 algorithm is an extension of the MD4 message-digest algorithm [1,2]. MD5 is slightly slower than MD4, but is more "conservative" in design. MD5 was designed because it was felt that MD4 was perhaps being adopted for use more quickly than justified by the existing critical review; because MD4 was designed to be exceptionally fast, it is "at the edge" in terms of risking successful cryptanalytic attack. MD5 backs off a bit, giving up a little in speed for a much greater likelihood of ultimate security. It incorporates some suggestions made by various reviewers, and contains additional optimizations. The MD5 algorithm is being placed in the public domain for review and possible adoption as a standard.

For OSI-based applications, MD5's object identifier is

md5 OBJECT IDENTIFIER ::=  
iso(1) member-body(2) US(840) rsadsi(113549) digestAlgorithm(2) 5

In the X.509 type AlgorithmIdentifier [3], the parameters for MD5 should have type NULL.

2. Terminology and Notation

In this document a "word" is a 32-bit quantity and a "byte" is an eight-bit quantity. A sequence of bits can be interpreted in a natural manner as a sequence of bytes, where each consecutive group of eight bits is interpreted as a byte with the high-order (most significant) bit of each byte listed first. Similarly, a sequence of bytes can be interpreted as a sequence of 32-bit words, where each consecutive group of four bytes is interpreted as a word with the
low-order (least significant) byte given first.

Let \( x_i \) denote "\( x \) sub \( i \)". If the subscript is an expression, we surround it in braces, as in \( x_{i+1} \). Similarly, we use \(^\wedge\) for superscripts (exponentiation), so that \( x^i \) denotes \( x \) to the \( i \)-th power.

Let the symbol "+" denote addition of words (i.e., modulo-\( 2^{32} \) addition). Let \( X \ll s \) denote the 32-bit value obtained by circularly shifting (rotating) \( X \) left by \( s \) bit positions. Let \( \text{not}(X) \) denote the bit-wise complement of \( X \), and let \( X \lor Y \) denote the bit-wise OR of \( X \) and \( Y \). Let \( X \xor Y \) denote the bit-wise XOR of \( X \) and \( Y \), and let \( XY \) denote the bit-wise AND of \( X \) and \( Y \).

3. MD5 Algorithm Description

We begin by supposing that we have a \( b \)-bit message as input, and that we wish to find its message digest. Here \( b \) is an arbitrary nonnegative integer; \( b \) may be zero, it need not be a multiple of eight, and it may be arbitrarily large. We imagine the bits of the message written down as follows:

\[
m_0 \ m_1 \ldots \ m_{[b-1]}
\]

The following five steps are performed to compute the message digest of the message.

3.1 Step 1. Append Padding Bits

The message is "padded" (extended) so that its length (in bits) is congruent to 448, modulo 512. That is, the message is extended so that it is just 64 bits shy of being a multiple of 512 bits long. Padding is always performed, even if the length of the message is already congruent to 448, modulo 512.

Padding is performed as follows: a single "1" bit is appended to the message, and then "0" bits are appended so that the length in bits of the padded message becomes congruent to 448, modulo 512. In all, at least one bit and at most 512 bits are appended.
3.2 Step 2. Append Length

A 64-bit representation of b (the length of the message before the padding bits were added) is appended to the result of the previous step. In the unlikely event that b is greater than \(2^{64}\), then only the low-order 64 bits of b are used. (These bits are appended as two 32-bit words and appended low-order word first in accordance with the previous conventions.)

At this point the resulting message (after padding with bits and with b) has a length that is an exact multiple of 512 bits. Equivalently, this message has a length that is an exact multiple of 16 (32-bit) words. Let \(M[0 \ldots N-1]\) denote the words of the resulting message, where N is a multiple of 16.

3.3 Step 3. Initialize MD Buffer

A four-word buffer (A,B,C,D) is used to compute the message digest. Here each of A, B, C, D is a 32-bit register. These registers are initialized to the following values in hexadecimal, low-order bytes first:

Rivest

RFC 1321 MD5 Message-Digest Algorithm April 1992

word A: 01 23 45 67
word B: 89 ab cd ef
word C: fe dc ba 98
word D: 76 54 32 10

3.4 Step 4. Process Message in 16-Word Blocks

We first define four auxiliary functions that each take as input three 32-bit words and produce as output one 32-bit word.

\[
F(X,Y,Z) = XY \lor \neg(X) \land Z \\
G(X,Y,Z) = XZ \lor Y \land \neg(Z) \\
H(X,Y,Z) = X \oplus Y \oplus Z \\
I(X,Y,Z) = Y \oplus (X \lor \neg(Z))
\]

In each bit position F acts as a conditional: if X then Y else Z.
The function F could have been defined using + instead of \(\lor\) since XY
and not(X)Z will never have 1's in the same bit position.) It is
interesting to note that if the bits of X, Y, and Z are independent
and unbiased, each bit of F(X,Y,Z) will be independent and
unbiased.

The functions G, H, and I are similar to the function F, in that they
act in "bitwise parallel" to produce their output from the bits of X,
Y, and Z, in such a manner that if the corresponding bits of X, Y,
and Z are independent and unbiased, then each bit of G(X,Y,Z),
H(X,Y,Z), and I(X,Y,Z) will be independent and unbiased. Note that
the function H is the bit-wise "xor" or "parity" function of its
inputs.

This step uses a 64-element table T[1 ... 64] constructed from the
sine function. Let T[i] denote the i-th element of the table, which
is equal to the integer part of 4294967296 times \( \text{abs(sin(i))} \), where i
is in radians. The elements of the table are given in the appendix.

Do the following:

/* Process each 16-word block. */
For \( i = 0 \) to \( N/16-1 \) do

/* Copy block i into X. */
For \( j = 0 \) to 15 do
Set \( X[j] \) to \( M[i*16+j] \).
end /* of loop on j */

/* Save A as AA, B as BB, C as CC, and D as DD. */
AA = A
BB = B

Rivest

[Page 4]

RFC 1321 MD5 Message-Digest Algorithm April 1992

CC = C
DD = D

/* Round 1. */
/* Let [abcd k s i] denote the operation
\( a = b + ((a + F(b,c,d) + X[k] + T[i]) <<< s) \). */
/* Do the following 16 operations. */
[ABCD 0 7 1] [DABC 1 12 2] [CDAB 2 17 3] [BCDA 3 22 4]
[ABCD 4 7 5] [DABC 5 12 6] [CDAB 6 17 7] [BCDA 7 22 8]
/* Round 2. */
/* Let \([abcd \ k\ s\ i]\) denote the operation
   \[a = b + ((a + G(b,c,d) + X[k] + T[i]) \ll s)\]. */
/* Do the following 16 operations. */
[ABCD  1  5 17] [DABC  6  9 18] [CDAB 11 14 19] [BCDA  0 20 20]
[ABCD  5  5 21] [DABC 10  9 22] [CDAB 15 14 23] [BCDA  4 20 24]
[ABCD  9  5 25] [DABC 14  9 26] [CDAB  3 14 27] [BCDA  8 20 28]
[ABCD 13  5 29] [DABC  2  9 30] [CDAB  7 14 31] [BCDA 12 20 32]

/* Round 3. */
/* Let \([abcd \ k\ s\ t]\) denote the operation
   \[a = b + ((a + H(b,c,d) + X[k] + T[i]) \ll s)\]. */
/* Do the following 16 operations. */
[ABCD  5  4 33] [DABC  8 11 34] [CDAB 11 16 35] [BCDA 14 23 36]
[ABCD  1  4 37] [DABC  4 11 38] [CDAB  7 16 39] [BCDA 10 23 40]
[ABCD 13  4 41] [DABC  0 11 42] [CDAB  3 16 43] [BCDA  6 23 44]
[ABCD  9  4 45] [DABC 12 11 46] [CDAB 14 16 47] [BCDA  2 23 48]

/* Round 4. */
/* Let \([abcd \ k\ s\ t]\) denote the operation
   \[a = b + ((a + I(b,c,d) + X[k] + T[i]) \ll s)\]. */
/* Do the following 16 operations. */
[ABCD  0  6 49] [DABC  7 10 50] [CDAB 14 15 51] [BCDA  5 21 52]
[ABCD 12  6 53] [DABC  3 10 54] [CDAB 10 15 55] [BCDA  1 21 56]
[ABCD  8  6 57] [DABC 15 10 58] [CDAB  6 15 59] [BCDA 13 21 60]
[ABCD  4  6 61] [DABC 11 10 62] [CDAB  2 15 63] [BCDA  9 21 64]

/* Then perform the following additions. (That is increment each
   of the four registers by the value it had before this block
   was started.) */
A = A + AA
B = B + BB
C = C + CC
D = D + DD

end /* of loop on i */
The message digest produced as output is A, B, C, D. That is, we begin with the low-order byte of A, and end with the high-order byte of D.

This completes the description of MD5. A reference implementation in C is given in the appendix.

4. Summary

The MD5 message-digest algorithm is simple to implement, and provides a "fingerprint" or message digest of a message of arbitrary length. It is conjectured that the difficulty of coming up with two messages having the same message digest is on the order of $2^{64}$ operations, and that the difficulty of coming up with any message having a given message digest is on the order of $2^{128}$ operations. The MD5 algorithm has been carefully scrutinized for weaknesses. It is, however, a relatively new algorithm and further security analysis is of course justified, as is the case with any new proposal of this sort.

5. Differences Between MD4 and MD5

The following are the differences between MD4 and MD5:

1. A fourth round has been added.

2. Each step now has a unique additive constant.

3. The function $g$ in round 2 was changed from $(XY \lor XZ \lor YZ)$ to $(XZ \lor Y \land \neg(Z))$ to make $g$ less symmetric.

4. Each step now adds in the result of the previous step. This promotes a faster "avalanche effect".

5. The order in which input words are accessed in rounds 2 and 3 is changed, to make these patterns less like each other.

6. The shift amounts in each round have been approximately optimized, to yield a faster "avalanche effect." The shifts in different rounds are distinct.
References


APPENDIX A - Reference Implementation

This appendix contains the following files taken from RSAREF: A Cryptographic Toolkit for Privacy-Enhanced Mail:

  global.h -- global header file
  md5.h -- header file for MD5
  md5c.c -- source code for MD5

For more information on RSAREF, send email to <rsaref@rsa.com>.

The appendix also includes the following file:

  mddriver.c -- test driver for MD2, MD4 and MD5

The driver compiles for MD5 by default but can compile for MD2 or MD4 if the symbol MD is defined on the C compiler command line as 2 or 4.

The implementation is portable and should work on many different platforms. However, it is not difficult to optimize the implementation on particular platforms, an exercise left to the reader. For example, on "little-endian" platforms where the lowest-addressed byte in a 32-bit word is the least significant and there are no alignment restrictions, the call to Decode in MD5Transform can be replaced with a typecast.

A.1 global.h
/* GLOBAL.H - RSAREF types and constants */

/* PROTOTYPES should be set to one if and only if the compiler supports function argument prototyping. The following makes PROTOTYPES default to 0 if it has not already been defined with C compiler flags. */
#ifndef PROTOTYPES
#define PROTOTYPES 0
#endif

/* POINTER defines a generic pointer type */
typedef unsigned char *POINTER;

/* UINT2 defines a two byte word */
typedef unsigned short int UINT2;

/* UINT4 defines a four byte word */
typedef unsigned long int UINT4;

/* PROTO_LIST is defined depending on how PROTOTYPES is defined above. If using PROTOTYPES, then PROTO_LIST returns the list, otherwise it returns an empty list. */
#if PROTOTYPES
#define PROTO_LIST(list) list
#else
#define PROTO_LIST(list) ()
#endif

A.2 md5.h

/* MD5.H - header file for MD5C.C */

/* Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved. */
License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

Rivest [Page 8]

RFC 1321 MD5 Message-Digest Algorithm April 1992

These notices must be retained in any copies of any part of this documentation and/or software.

*/

/* MD5 context. */
typedef struct {
    UINT4 state[4];       /* state (ABCD) */
    UINT4 count[2];       /* number of bits, modulo 2^64 (lsb first) */
    unsigned char buffer[64];  /* input buffer */
} MD5_CTX;

void MD5Init PROTO_LIST ((MD5_CTX *));
void MD5Update PROTO_LIST
((MD5_CTX *, unsigned char *, unsigned int));
void MD5Final PROTO_LIST ((unsigned char [16], MD5_CTX *));

A.3 md5c.c

/* MD5C.C - RSA Data Security, Inc., MD5 message-digest algorithm */

/* Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.

License to copy and use this software is granted provided that it
is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.
*/

#include "global.h"
#include "md5.h"

/* Constants for MD5Transform routine. */
*

Rivest

RFC 1321      MD5 Message-Digest Algorithm      April 1992

#define S11 7
#define S12 12
#define S13 17
#define S14 22
#define S21 5
#define S22 9
#define S23 14
#define S24 20
#define S31 4
#define S32 11
#define S33 16
#define S34 23
#define S41 6
#define S42 10
#define S43 15
#define S44 21
static void MD5Transform PROTO_LIST ((UINT4 [4], unsigned char [64]));
static void Encode PROTO_LIST ((unsigned char *, UINT4 *, unsigned int));
static void Decode PROTO_LIST ((UINT4 *, unsigned char *, unsigned int));
static void MD5_memcpy PROTO_LIST ((POINTER, POINTER, unsigned int));
static void MD5_memset PROTO_LIST ((POINTER, int, unsigned int));

static unsigned char PADDING[64] = {
  0x80, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
  0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
  0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
};

/* F, G, H and I are basic MD5 functions. */
#define F(x, y, z) (((x) & (y)) | ((~x) & (z)))
#define G(x, y, z) (((x) & (z)) | ((y) & (~z)))
#define H(x, y, z) ((x) ^ (y) ^ (z))
#define I(x, y, z) ((y) ^ ((x) | (~z)))

/* ROTATE_LEFT rotates x left n bits. */
#define ROTATE_LEFT(x, n) (((x) << (n)) | ((x) >> (32-(n))))

/* FF, GG, HH, and II transformations for rounds 1, 2, 3, and 4. Rotation is separate from addition to prevent recomputation. */
#define FF(a, b, c, d, x, s, ac) {
  (a) += F ((b), (c), (d)) + (x) + (UINT4)(ac);
  (a) = ROTATE_LEFT ((a), (s));
}
#define GG(a, b, c, d, x, s, ac) {
  (a) += G ((b), (c), (d)) + (x) + (UINT4)(ac);
  (a) += (b);
}
#define HH(a, b, c, d, x, s, ac) {
  (a) += H ((b), (c), (d)) + (x) + (UINT4)(ac);
}

Rivest

RFC 1321 MD5 Message-Digest Algorithm April 1992
Open Source Used In CSPC_Collector 2.9.1

(a) = ROTATE_LEFT ((a), (s)); \\
(a) += (b); \\

#define II(a, b, c, d, x, s, ac) { \\
(a) += I ((b), (c), (d)) + (x) + (UINT4)(ac); \\
(a) = ROTATE_LEFT ((a), (s)); \\
(a) += (b); \\
}

/* MD5 initialization. Begins an MD5 operation, writing a new context. */
void MD5Init (context)
MD5_CTX *context; /* context */
{
    context->count[0] = context->count[1] = 0;
    /* Load magic initialization constants. */
    context->state[0] = 0x67452301;
    context->state[1] = 0xefcdab89;
    context->state[2] = 0x98badcfe;
    context->state[3] = 0x10325476;
}

/* MD5 block update operation. Continues an MD5 message-digest operation, processing another message block, and updating the context. */
void MD5Update (context, input, inputLen)
MD5_CTX *context; /* context */
unsigned char *input; /* input block */
unsigned int inputLen; /* length of input block */
{
    unsigned int i, index, partLen;

    /* Compute number of bytes mod 64 */
    index = (unsigned int)((context->count[0] >> 3) & 0x3F);

    /* Update number of bits */
    if (((context->count[0] += ((UINT4)inputLen << 3))

Rivest

RFC 1321 MD5 Message-Digest Algorithm April 1992

< ((UINT4)inputLen << 3))
context->count[1]++;  
context->count[1] += ((UINT4)inputLen >> 29);

partLen = 64 - index;

/* Transform as many times as possible. */
if (inputLen >= partLen) {
    MD5_memcpy
        ((POINTER)&context->buffer[index], (POINTER)input, partLen);
    MD5Transform (context->state, context->buffer);
    for (i = partLen; i + 63 < inputLen; i += 64)
        MD5Transform (context->state, &input[i]);

    index = 0;
} else
    i = 0;

/* Buffer remaining input */
MD5_memcpy
    ((POINTER)&context->buffer[index], (POINTER)&input[i], 
        inputLen-i);
}

/* MD5 finalization. Ends an MD5 message-digest operation, writing the 
the message digest and zeroizing the context. */
void MD5Final (digest, context) 
unsigned char digest[16]; /* message digest */
MD5_CTX *context; /* context */
{
    unsigned char bits[8];
    unsigned int index, padLen;

    /* Save number of bits */
    Encode (bits, context->count, 8);

    /* Pad out to 56 mod 64. */
    index = (unsigned int)((context->count[0] >> 3) & 0x3f);
    padLen = (index < 56) ? (56 - index) : (120 - index);
    MD5Update (context, PADDING, padLen);

    /* Append length (before padding) */
    MD5Update (context, bits, 8);
/* Store state in digest */
Encode (digest, context->state, 16);

/* Zeroize sensitive information. */
MD5_memset ((POINTER)context, 0, sizeof (*context));
}

/* MD5 basic transformation. Transforms state based on block. */
static void MD5Transform (state, block)
UINT4 state[4];
unsigned char block[64];
{
    UINT4 a = state[0], b = state[1], c = state[2], d = state[3];

    Decode (x, block, 64);

    /* Round 1 */
    FF (a, b, c, d, x[ 0], S11, 0xd76aa478); /* 1 */
    FF (d, a, b, c, x[ 1], S12, 0xe8c7b756); /* 2 */
    FF (c, d, a, b, x[ 2], S13, 0x242070db); /* 3 */
    FF (b, c, d, a, x[ 3], S14, 0x0bd7fcb8); /* 4 */
    FF (a, b, c, d, x[ 4], S11, 0xf57c0faf); /* 5 */
    FF (d, a, b, c, x[ 5], S12, 0x4787c62a); /* 6 */
    FF (c, d, a, b, x[ 6], S13, 0xa8304613); /* 7 */
    FF (b, c, d, a, x[ 7], S14, 0xfd469501); /* 8 */
    FF (a, b, c, d, x[ 8], S11, 0x06f067b4); /* 9 */
    FF (d, a, b, c, x[ 9], S12, 0x98eaf65b); /* 10 */
    FF (c, d, a, b, x[10], S13, 0x0fffa87b); /* 11 */
    FF (b, c, d, a, x[11], S14, 0xc3fcbe5d); /* 12 */
    FF (a, b, c, d, x[12], S11, 0x4cf3e0fa); /* 13 */
    FF (d, a, b, c, x[13], S12, 0xa2148c45); /* 14 */
    FF (c, d, a, b, x[14], S13, 0x807d25e5); /* 15 */
    FF (b, c, d, a, x[15], S14, 0x327e6dd9); /* 16 */

    /* Round 2 */
    GG (a, b, c, d, x[ 1], S21, 0xf61e2562); /* 17 */
    GG (d, a, b, c, x[ 6], S22, 0xc67e1b57); /* 18 */
    GG (c, d, a, b, x[11], S23, 0x32aa3b1c); /* 19 */
    GG (b, c, d, a, x[ 0], S24, 0x6fa87e1a); /* 20 */
GG (a, b, c, d, x[ 5], S21, 0xd62f105d); /* 21 */
GG (d, a, b, c, x[10], S22, 0x2441453); /* 22 */
GG (c, d, a, b, x[15], S23, 0xd8a1e681); /* 23 */
GG (b, c, d, a, x[ 4], S24, 0xe7d3fbc8); /* 24 */
GG (a, b, c, d, x[ 9], S21, 0x21e1cde6); /* 25 */
GG (d, a, b, c, x[14], S22, 0xc33707d6); /* 26 */
GG (c, d, a, b, x[ 3], S23, 0xf4d50d87); /* 27 */

Rivest

RFC 1321 MD5 Message-Digest Algorithm April 1992

/* Round 3 */
HH (a, b, c, d, x[ 5], S31, 0xffffa392); /* 33 */
HH (d, a, b, c, x[ 8], S32, 0x8771f681); /* 34 */
HH (c, d, a, b, x[11], S33, 0x6d9d6122); /* 35 */
HH (b, c, d, a, x[14], S34, 0xdfc5380c); /* 36 */
HH (a, b, c, d, x[ 1], S31, 0x4a86ce44); /* 37 */
HH (d, a, b, c, x[ 4], S32, 0x4bdecfa9); /* 38 */
HH (c, d, a, b, x[ 7], S33, 0xfd3e2f0b); /* 39 */
HH (b, c, d, a, x[10], S34, 0xbebfbe70); /* 40 */
HH (a, b, c, d, x[13], S31, 0x289b7ec6); /* 41 */
HH (d, a, b, c, x[ 0], S32, 0x655b59c3); /* 42 */
HH (c, d, a, b, x[ 3], S33, 0xc4ac5665); /* 43 */
HH (b, c, d, a, x[12], S34, 0x4f0ccc92); /* 44 */
HH (a, b, c, d, x[ 9], S31, 0x85845dd1); /* 45 */
HH (d, a, b, c, x[ 2], S32, 0xd4ef3085); /* 46 */
HH (c, d, a, b, x[15], S33, 0x85845dd1); /* 47 */
HH (b, c, d, a, x[ 1], S34, 0x4f0ccc92); /* 48 */

/* Round 4 */
II (a, b, c, d, x[ 0], S41, 0xf4292244); /* 49 */
II (d, a, b, c, x[ 7], S42, 0x432aff97); /* 50 */
II (c, d, a, b, x[14], S43, 0xb942a37); /* 51 */
II (b, c, d, a, x[ 5], S44, 0xc33707d6); /* 52 */
II (a, b, c, d, x[12], S41, 0x655b59c3); /* 53 */
II (d, a, b, c, x[ 3], S42, 0x8f0ccc92); /* 54 */
II (c, d, a, b, x[10], S43, 0x4f0ccc92); /* 55 */
II (b, c, d, a, x[ 1], S44, 0x85845dd1); /* 56 */
II (a, b, c, d, x[ 8], S41, 0x6fa87e4f); /* 57 */
II (d, a, b, c, x[15], S42, 0xfe2ce6e0); /* 58 */
II (c, d, a, b, x[ 6], S43, 0xa3014314); /* 59 */
II (b, c, d, a, x[13], S44, 0x4e0811a1); /* 60 */
II (a, b, c, d, x[ 4], S41, 0xf7537e82); /* 61 */
II (d, a, b, c, x[11], S42, 0xbd3af235); /* 62 */
II (c, d, a, b, x[ 2], S43, 0x2ad7d2bb); /* 63 */
II (b, c, d, a, x[ 9], S44, 0xeb86d391); /* 64 */

state[0] += a;
state[1] += b;
state[2] += c;
state[3] += d;

/* Zeroize sensitive information.

Rivest

RFC 1321 MD5 Message-Digest Algorithm April 1992

*/

MD5_memset ((POINTER)x, 0, sizeof (x));
}

/* Encodes input (UINT4) into output (unsigned char). Assumes len is
a multiple of 4.
*/

static void Encode (output, input, len)
unsigned char *output;
UINT4 *input;
unsigned int len;
{
    unsigned int i, j;

    for (i = 0, j = 0; j < len; i++, j += 4) {
        output[j] = (unsigned char)(input[i] & 0xff);
        output[j+1] = (unsigned char)((input[i] >> 8) & 0xff);
        output[j+2] = (unsigned char)((input[i] >> 16) & 0xff);
        output[j+3] = (unsigned char)((input[i] >> 24) & 0xff);
    }
}

/* Decodes input (unsigned char) into output (UINT4). Assumes len is
a multiple of 4.
*/
static void Decode (output, input, len)
UINT4 *output;
unsigned char *input;
unsigned int len;
{
unsigned int i, j;

for (i = 0, j = 0; j < len; i++, j += 4)
output[i] = ((UINT4)input[j]) | (((UINT4)input[j+1]) << 8) |
((UINT4)input[j+2]) << 16) | (((UINT4)input[j+3]) << 24);
}

/* Note: Replace "for loop" with standard memcpy if possible. */

static void MD5_memcpy (output, input, len)
POINTER output;
POINTER input;
unsigned int len;
{
unsigned int i;

for (i = 0; i < len; i++)
output[i] = input[i];
}

/* Note: Replace "for loop" with standard memset if possible. */

static void MD5_memset (output, value, len)
POINTER output;
int value;
unsigned int len;
{
unsigned int i;

for (i = 0; i < len; i++)
((char *)output)[i] = (char)value;
}

Rivest

RFC 1321 MD5 Message-Digest Algorithm April 1992

output[i] = input[i];

/* Note: Replace "for loop" with standard memset if possible. */

/*
static void MD5_memset (output, value, len)
POINTER output;
int value;
unsigned int len;
{
unsigned int i;

for (i = 0; i < len; i++)
((char *)output)[i] = (char)value;
}

A.4 mddriver.c
/* MDDRIVER.C - test driver for MD2, MD4 and MD5 */

/* Copyright (C) 1990-2, RSA Data Security, Inc. Created 1990. All rights reserved. 

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software. */

/* The following makes MD default to MD5 if it has not already been defined with C compiler flags. */

#ifndef MD
#define MD MD5
#endif

#include <stdio.h>
#include <time.h>
#include <string.h>
#include "global.h"
#if MD == 2
#include "md2.h"
#endif
#if MD == 4
#include "md4.h"
#endif
#if MD == 5
#include "md5.h"
#endif

#define TEST_BLOCK_LEN 1000

#include "md4.h"
#endif
#if MD == 5
#include "md5.h"
#endif

/* Length of test block, number of test blocks. */

#define TEST_BLOCK_LEN 1000

Rivest

RFC 1321 MD5 Message-Digest Algorithm April 1992
#define TEST_BLOCK_COUNT 1000

static void MDString PROTO_LIST ((char *));
static void MDTimeTrial PROTO_LIST ((void));
static void MDTestSuite PROTO_LIST ((void));
static void MDFile PROTO_LIST ((char *));
static void MDFilter PROTO_LIST ((void));
static void MDPrint PROTO_LIST ((unsigned char [16]));

#if MD == 2
#define MD_CTX MD2_CTX
#define MDInit MD2Init
#define MDUpdate MD2Update
#define MDFinal MD2Final
#endif
#if MD == 4
#define MD_CTX MD4_CTX
#define MDInit MD4Init
#define MDUpdate MD4Update
#define MDFinal MD4Final
#endif
#if MD == 5
#define MD_CTX MD5_CTX
#define MDInit MD5Init
#define MDUpdate MD5Update
#define MDFinal MD5Final
#endif

/* Main driver.
Arguments (may be any combination):
-sstring - digests string
-t       - runs time trial
-x       - runs test script
filename - digests file
(none)    - digests standard input
*/

int main (argc, argv)
int argc;
char *argv[];

RFC 1321     MD5 Message-Digest Algorithm     April 1992

char *argv[];


```c

int i;

if (argc > 1)
    for (i = 1; i < argc; i++)
        if (argv[i][0] == '-' && argv[i][1] == 's')
            MDString(argv[i] + 2);
        else if (strcmp(argv[i], "-t") == 0)
            MDTimeTrial();
        else if (strcmp(argv[i], "-x") == 0)
            MDTestSuite();
        else
            MDFile(argv[i]);
    else
        MDFilter();

return (0);
}

/* Digests a string and prints the result. */
static void MDString (string)
char *string;
{
    MD_CTX context;
    unsigned char digest[16];
    unsigned int len = strlen(string);

    MDInit(&context);
    MDUpdate(&context, string, len);
    MDFinal(digest, &context);

    printf("MD%d (""%s"") = ", MD, string);
    MDPrint(digest);
    printf("\n");
}

/* Measures the time to digest TEST_BLOCK_COUNT TEST_BLOCK_LEN-byte blocks. */
static void MDTimeTrial ()
{
    MD_CTX context;
    time_t endTime, startTime;
    unsigned char block[TEST_BLOCK_LEN], digest[16];
    unsigned int i;
```
printf
("MD%d time trial. Digested %d %d-byte blocks ...", MD,
TEST_BLOCK_LEN, TEST_BLOCK_COUNT);

/* Initialize block */
for (i = 0; i < TEST_BLOCK_LEN; i++)
block[i] = (unsigned char)(i & 0xff);

/* Start timer */
time (&startTime);

/* Digest blocks */
MDInit (&context);
for (i = 0; i < TEST_BLOCK_COUNT; i++)
MDUpdate (&context, block, TEST_BLOCK_LEN);
MDFinal (digest, &context);

/* Stop timer */
time (&endTime);

printf (" done\n");
printf ("Digest = ");
MDPrint (digest);
printf ("\n\nTime = %ld seconds\n", (long)(endTime-startTime));
printf ("\n\nSpeed = %ld bytes/second\n", 
(long)TEST_BLOCK_LEN * (long)TEST_BLOCK_COUNT/(endTime-startTime));
}

/* Digests a reference suite of strings and prints the results. */
static void MDTestSuite ()
{
printf ("MD%d test suite:\n", MD);

MDString (" ");
MDString ("a");
MDString ("abc");
MDString ("message digest");
MDString ("abcdefghijklmnopqrstuvwxyz");
MDString ("hello world");
MDString ("Open Source Used In CSPC_Collector 2.9.1 711");

MDString ("MD5 time trial. Digested %d %d-byte blocks ...", MD,
TEST_BLOCK_LEN, TEST_BLOCK_COUNT);

/* Initialize block */
for (i = 0; i < TEST_BLOCK_LEN; i++)
block[i] = (unsigned char)(i & 0xff);

/* Start timer */
time (&startTime);

/* Digest blocks */
MDInit (&context);
for (i = 0; i < TEST_BLOCK_COUNT; i++)
MDUpdate (&context, block, TEST_BLOCK_LEN);
MDFinal (digest, &context);

/* Stop timer */
time (&endTime);

printf (" done\n");
printf ("Digest = ");
MDPrint (digest);
printf ("\n\nTime = %ld seconds\n", (long)(endTime-startTime));
printf ("\n\nSpeed = %ld bytes/second\n", 
(long)TEST_BLOCK_LEN * (long)TEST_BLOCK_COUNT/(endTime-startTime));
}

/* Digests a reference suite of strings and prints the results. */
static void MDTestSuite ()
{
printf ("MD%d test suite:\n", MD);

MDString (" ");
MDString ("a");
MDString ("abc");
MDString ("message digest");
MDString ("abcdefghijklmnopqrstuvwxyz");
MDString ("hello world");
MDString ("Open Source Used In CSPC_Collector 2.9.1 711");

MDString ("MD5 time trial. Digested %d %d-byte blocks ...", MD,
TEST_BLOCK_LEN, TEST_BLOCK_COUNT);

/* Initialize block */
for (i = 0; i < TEST_BLOCK_LEN; i++)
block[i] = (unsigned char)(i & 0xff);

/* Start timer */
time (&startTime);

/* Digest blocks */
MDInit (&context);
for (i = 0; i < TEST_BLOCK_COUNT; i++)
MDUpdate (&context, block, TEST_BLOCK_LEN);
MDFinal (digest, &context);

/* Stop timer */
time (&endTime);

printf (" done\n");
printf ("Digest = ");
MDPrint (digest);
printf ("\n\nTime = %ld seconds\n", (long)(endTime-startTime));
printf ("\n\nSpeed = %ld bytes/second\n", 
(long)TEST_BLOCK_LEN * (long)TEST_BLOCK_COUNT/(endTime-startTime));
}
/* Digests a file and prints the result. */

static void MDFile (filename)
    char *filename;
{
    FILE *file;
    MD_CTX context;
    int len;
    unsigned char buffer[1024], digest[16];

    if ((file = fopen (filename, "rb")) == NULL)
        printf ("%s can't be opened\n", filename);
    else {
        MDInit (&context);
        while (len = fread (buffer, 1, 1024, file))
            MDUpdate (&context, buffer, len);
        MDFinal (digest, &context);
        fclose (file);

        printf ("MD%d (%s) = ", MD, filename);
        MDPrint (digest);
        printf ("\n");
    }

    /* Digests the standard input and prints the result. */
    */

static void MDFilter ()
{
    MD_CTX context;
    int len;
    unsigned char buffer[16], digest[16];
MDInit (&context);
while (len = fread (buffer, 1, 16, stdin))
MDUpdate (&context, buffer, len);
MDFinal (digest, &context);

MDPrint (digest);
printf ("\n");
}

/* Prints a message digest in hexadecimal. */
static void MDPrint (digest)
unsigned char digest[16];
{
unsigned int i;

for (i = 0; i < 16; i++)
printf ("%02x", digest[i]);
}

Rivest [Page 20]
RFC 1321 MD5 Message-Digest Algorithm April 1992

unsigned int i;

for (i = 0; i < 16; i++)
printf ("%02x", digest[i]);
}

A.5 Test suite

The MD5 test suite (driver option "-x") should print the following results:

MD5 test suite:
MD5 (""") = d41d8cd98f00b204e9800998ecf8427e
MD5 ("a") = 0cc175b9c0f1b6a831c399e269772661
MD5 ("abc") = 900150983cd24fb0d6963f7d28e17f72
MD5 ("message digest") = f96b697d7cb7938d525a2f31aaf161d0
MD5 ("abcdefghijklmnopqrstuvwxyz") = c3fcd3d76192e4007dfb496cca67e13b
MD5 ("ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789") =
d174ab98d277d9f5a5611c2c9f419d9f
MD5 ("123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890") =
57edf4a22be3c955ac49da2e2107b67a

Security Considerations

The level of security discussed in this memo is considered to be
sufficient for implementing very high security hybrid digital-signature schemes based on MD5 and a public-key cryptosystem.

Author's Address

Ronald L. Rivest
Massachusetts Institute of Technology
Laboratory for Computer Science
NE43-324
545 Technology Square
Cambridge, MA 02139-1986

Phone: (617) 253-5880
EMail: rivest@theory.lcs.mit.edu

=Rivest= [Page 21]
$ctx = Digest::MD5->new;

$ctx->add($data);
$ctx->addfile($file_handle);

$digest = $ctx->digest;
$digest = $ctx->hexdigest;
$digest = $ctx->b64digest;

=head1 DESCRIPTION

The C<Digest::MD5> module allows you to use the RSA Data Security Inc. MD5 Message Digest algorithm from within Perl programs. The algorithm takes as input a message of arbitrary length and produces as output a 128-bit "fingerprint" or "message digest" of the input.

Note that the MD5 algorithm is not as strong as it used to be. It has since 2005 been easy to generate different messages that produce the same MD5 digest. It still seems hard to generate messages that produce a given digest, but it is probably wise to move to stronger algorithms for applications that depend on the digest to uniquely identify a message.

The C<Digest::MD5> module provide a procedural interface for simple use, as well as an object oriented interface that can handle messages of arbitrary length and which can read files directly.

=head1 FUNCTIONS

The following functions are provided by the C<Digest::MD5> module. None of these functions are exported by default.

=over 4

=item md5($data,...)

This function will concatenate all arguments, calculate the MD5 digest of this "message", and return it in binary form. The returned string will be 16 bytes long.

The result of md5("a", "b", "c") will be exactly the same as the result of md5("abc").

=item md5_hex($data,...)

Same as md5(), but will return the digest in hexadecimal form. The length of the returned string will be 32 and it will only contain
characters from this set: '0'..'9' and 'a'..'f'.

=item md5_base64($data,...)

Same as md5(), but will return the digest as a base64 encoded string. The length of the returned string will be 22 and it will only contain characters from this set: 'A'..'Z', 'a'..'z', '0'..'9', '+' and '/'.

Note that the base64 encoded string returned is not padded to be a multiple of 4 bytes long. If you want interoperability with other base64 encoded md5 digests you might want to append the redundant string "==" to the result.

=head1 METHODS

The object oriented interface to C<Digest::MD5> is described in this section. After a C<Digest::MD5> object has been created, you will add data to it and finally ask for the digest in a suitable format. A single object can be used to calculate multiple digests.

The following methods are provided:

=over 4

=item $md5 = Digest::MD5->new

The constructor returns a new C<Digest::MD5> object which encapsulate the state of the MD5 message-digest algorithm.

If called as an instance method (i.e. $md5->new) it will just reset the state the object to the state of a newly created object. No new object is created in this case.

=item $md5->reset

This is just an alias for $md5->new.

=item $md5->clone

This a copy of the $md5 object. It is useful when you do not want to destroy the digests state, but need an intermediate value of the digest, e.g. when calculating digests iteratively on a continuous data stream. Example:

my $md5 = Digest::MD5->new;
while (<>) {
    $md5->add($_);
    print "Line $.: ", $md5->clone->hexdigest, "\n";
    
    =item $md5->add($data,...)

    The $data provided as argument are appended to the message we calculate the digest for. The return value is the $md5 object itself.

    All these lines will have the same effect on the state of the $md5 object:

    $md5->add("a"); $md5->add("b"); $md5->add("c");
    $md5->add("a")->add("b")->add("c");
    $md5->add("a", "b", "c");
    $md5->add("abc");

    =item $md5->addfile($io_handle)

    The $io_handle will be read until EOF and its content appended to the message we calculate the digest for. The return value is the $md5 object itself.

    The addfile() method will croak() if it fails reading data for some reason. If it croaks it is unpredictable what the state of the $md5 object will be in. The addfile() method might have been able to read the file partially before it failed. It is probably wise to discard or reset the $md5 object if this occurs.

    In most cases you want to make sure that the $io_handle is in C<binmode> before you pass it as argument to the addfile() method.

    =item $md5->add_bits($data, $nbits)

    =item $md5->add_bits($bitstring)

    Since the MD5 algorithm is byte oriented you might only add bits as multiples of 8, so you probably want to just use add() instead. The add_bits() method is provided for compatibility with other digest implementations. See L<Digest> for description of the arguments that add_bits() take.

    =item $md5->digest

    Return the binary digest for the message. The returned string will be 16 bytes long.
Note that the C<digest> operation is effectively a destructive, read-once operation. Once it has been performed, the C<Digest::MD5> object is automatically C<reset> and can be used to calculate another digest value. Call $md5->clone->digest if you want to calculate the digest without resetting the digest state.

=item $md5->hexdigest

Same as $md5->digest, but will return the digest in hexadecimal form. The length of the returned string will be 32 and it will only contain characters from this set: '0'..'9' and 'a'..'f'.

=item $md5->b64digest

Same as $md5->digest, but will return the digest as a base64 encoded string. The length of the returned string will be 22 and it will only contain characters from this set: 'A'..'Z', 'a'..'z', '0'..'9', '+' and '/'.

The base64 encoded string returned is not padded to be a multiple of 4 bytes long. If you want interoperability with other base64 encoded md5 digests you might want to append the string "==" to the result.

=item @ctx = $md5->context

=item $md5->context(@ctx)

Saves or restores the internal state. When called with no arguments, returns a 3-element list: number of blocks processed, a 16-byte internal state buffer, then up to 63 bytes of unprocessed data. When passed those same arguments, restores the state. This is only useful for specialised operations.

=back

=head1 EXAMPLES

The simplest way to use this library is to import the md5_hex() function (or one of its cousins):

use Digest::MD5 qw(md5_hex);
print "Digest is ", md5_hex("foobaz"), "\n";

The above example would print out the message:

Digest is 6df23dc03f9b54cc38a0fc1483df6e21
The same checksum can also be calculated in OO style:

```
use Digest::MD5;

$md5 = Digest::MD5->new;
$md5->add('foo', 'bar');
$md5->add('baz');
$digest = $md5->hexdigest;

print "Digest is $digest\n";
```

With OO style, you can break the message arbitrarily. This means that we are no longer limited to have space for the whole message in memory, i.e. we can handle messages of any size.

This is useful when calculating checksum for files:

```
use Digest::MD5;

my $filename = shift || "/etc/passwd";
open (my $fh, '<', $filename) or die "Can't open '$filename': $!";
binmode($fh);

$md5 = Digest::MD5->new;
while (<$fh>) {
    $md5->add($_);
}
close($fh);
print $md5->b64digest, " $filename\n";
```

Or we can use the addfile method for more efficient reading of the file:

```
use Digest::MD5;

my $filename = shift || "/etc/passwd";
open (my $fh, '<', $filename) or die "Can't open '$filename': $!";
binmode($fh);

print Digest::MD5->new->addfile($fh)->hexdigest, " $filename\n";
```

Since the MD5 algorithm is only defined for strings of bytes, it can not be used on strings that contains chars with ordinal number above 255 (Unicode strings). The MD5 functions and methods will croak if you try to feed them such input data:

```
use Digest::MD5 qw(md5_hex);
```
What you can do is calculate the MD5 checksum of the UTF-8 representation of such strings. This is achieved by filtering the string through `encode_utf8()` function:

```perl
use Digest::MD5 qw(md5_hex);
use Encode qw(encode_utf8);

my $str = "abc\x{300}";
print md5_hex(encode_utf8($str)), "\n";
# 8c2d4691f3f5a326455f0ed7a8ed3b3
```

=head1 SEE ALSO

L<Digest>,
L<Digest::MD2>,
L<Digest::SHA>,
L<Digest::HMAC>

L<md5sum(1)>

RFC 1321


The paper "How to Break MD5 and Other Hash Functions" by Xiaoyun Wang and Hongbo Yu.

=head1 COPYRIGHT

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Copyright 1998-2003 Gisle Aas.

The MD5 algorithm is defined in RFC 1321. This implementation is derived from the reference C code in RFC 1321 which is covered by the following copyright statement:

=over 4

=item

=item
Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

=back

This copyright does not prohibit distribution of any version of Perl containing this extension under the terms of the GNU or Artistic licenses.

=head1 AUTHORS

The original C<MD5> interface was written by Neil Winton (C<N.Winton@axion.bt.co.uk>).

The C<Digest::MD5> module is written by Gisle Aas <gisle@ActiveState.com>.

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548130_1591379411.76/0/perl-Digest-MD5-2.55-396.el8.src.rpm-cosi-expand-archive-qfwrDrJx/Digest-MD5-2.55.tar.gz-cosi-expand-archive-xOrAnhrN/Digest-MD5-2.55/Md5.pm

No license file was found, but licenses were detected in source scan.

The Digest::MD5 module allows you to use the RSA Data Security Inc. MD5 Message Digest algorithm from within Perl programs. The algorithm takes as input a message of arbitrary length and produces as output a 128-bit "fingerprint" or "message digest" of the input. MD5 is described in RFC 1321.
This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
/* This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
 * Copyright 1998-2000 Gisle Aas.
 *
 * This code is derived from Neil Winton's MD5-1.7 Perl module, which in turn is derived from the reference implementation in RFC 1321 which comes with this message:
 *
 * Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.
 *
 * License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.
 *
 * License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.
 *
 * RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.
 *
 * These notices must be retained in any copies of any part of this documentation and/or software.
 */

Found in path(s):
*/
expansion-archive-qfwrDrJx/Digest-MD5-2.55.tar.gz-cosi-expand-archive-xOrAnhrN/Digest-MD5-2.55/MD5.xs
No license file was found, but licenses were detected in source scan.

License: (GPL+ or Artistic) and BSD

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548130_1591379411.76/0/perl-Digest-MD5-2.55-396.el8.src.rpm-cosi-expand-archive-qfwrDrJx/perl-Digest-MD5.spec

1.65 camel-spring 2.25.2
1.65.1 Available under license:

====================================================================================================
== NOTICE file corresponding to the section 4 d of ==
== the Apache License, Version 2.0, ==
== in this case for the Apache Camel distribution. ==
====================================================================================================

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Please read the different LICENSE files present in the licenses directory of this distribution.

Camel :: Spring
Copyright 2007-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.66 jersey-server 2.26
1.67 hwdata 0.314 8.2.el8_1

1.67.1 Available under license:

This data is licensed under 2 different licenses:

1) GNU General Public License, version 2 or later
2) XFree86 1.0 license

This data can be used freely under either license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.68 jregistrykey unknown

1.68.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with
the library.

We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.
This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time.
Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation: we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.69 os-prober 1.74 6.el8

1.69.1 Available under license:

The majority of code in os-prober is Copyright 2004-2011 by Joshua
This is licensed Sunder the terms of the GNU GPL, either version 2 or,
at your option, any later version.

Some portions of os-prober by other contributors has an unclear license of "GNU GPL", with the version not specified.

On Debian systems, a copy of the GNU General Public License is available in /usr/share/common-licenses/GPL-2.

1.70 quota 4.04 10.el8
1.70.1 Available under license:

This package, the quota tools, are made available under the GNU Public License version 2, with the exception of files quota.c, quotaio_v1.c, quotaon.c, quotaops.c, quot.c, and quot.h which are made available under the BSD license (see headers of these files for details).

----------------------------------------------------------

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program’s source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

1.71 commons-codec 1.9

1.71.1 Available under license:

Apache Commons Codec
Copyright 2002-2013 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java
contains test data from http://aspell.net/test/orig/batch0.tab.
Copyright (C) 2002 Kevin Atkinson (kevina@gnu.org)

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.72 xkeyboard-config 2.28 1.el8

1.72.1 Available under license :

Copyright 1996 by Joseph Moss
Copyright (C) 2002-2007 Free Software Foundation, Inc.
Copyright (C) Dmitry Golubev <lastguru@mail.ru>, 2003-2004
Copyright (C) 2004, Gregory Mokhin <mokhin@bog.msu.ru>
Copyright (C) 2006 Erdal Ronah

Permission to use, copy, modify, distribute, and sell this software and its
documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holder(s) not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. The copyright holder(s) makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

THE COPYRIGHT HOLDER(S) DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE COPYRIGHT HOLDER(S) BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright (c) 1996 Digital Equipment Corporation

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the Digital Equipment Corporation shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from Digital Equipment Corporation.

Copyright 1996, 1998 The Open Group

Permission to use, copy, modify, distribute, and sell this software and its
Open Source Used In CSPC_Collector 2.9.1

This software is provided in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the IMPLIED WARRANTIES OF MERCHANTABILITY, SATISFACTORY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without

Copyright 2004-2005 Sun Microsystems, Inc. All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, SATISFACTORY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE.

Copyright (c) 1996 by Silicon Graphics Computer Systems, Inc.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

Copyright 2004-2005 Sun Microsystems, Inc. All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, SATISFACTORY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE.

Copyright (c) 1996 by Silicon Graphics Computer Systems, Inc.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without
Copyright (c) 1996  X Consortium

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

Copyright (C) 2004, 2006 var Arnfjr Bjarmason <avarab@gmail.com>
Permission to use, copy, modify, distribute, and sell this software and its
documentation for any purpose is hereby granted without fee, provided that
the above copyright notice appear in all copies and that both that
copyright notice and this permission notice appear in supporting
documentation.

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR
OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE,
ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR
OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall
not be used in advertising or otherwise to promote the sale, use or
other dealings in this Software without prior written authorization of
the copyright holder.

Copyright (C) 1999, 2000 by Anton Zinoviev <anton@lml.bas.bg>

This software may be used, modified, copied, distributed, and sold,
in both source and binary form provided that the above copyright
and these terms are retained. Under no circumstances is the author
responsible for the proper functioning of this software, nor does
the author assume any responsibility for damages incurred with its
use.

Permission is granted to anyone to use, distribute and modify
this file in any way, provided that the above copyright notice
is left intact and the author of the modification summarizes
the changes in this header.

This file is distributed without any expressed or implied warranty.

1.73 nfs-utils 2.3.3 26.el8
1.73.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.
<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) 19yy name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE JOHN TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

Copyright (c) 2004 The Regents of the University of Michigan. All rights reserved.

Marius Aamodt Eriksen <marius@umich.edu>
J. Bruce Fields <bfields@umich.edu>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.74 pyyaml 3.12 12.el8

1.74.1 Available under license:

Copyright (c) 2006 Kirill Simonov

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all
copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.75 javassist 3.18.1-GA

1.75.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * Javassist, a Java-bytecode translator toolkit.
 * Copyright (C) 1999- Shigeru Chiba. All Rights Reserved.
 *
 * The contents of this file are subject to the Mozilla Public License Version
 * 1.1 (the "License"); you may not use this file except in compliance with
 * the License. Alternatively, the contents of this file may be used under
 * the terms of the GNU Lesser General Public License Version 2.1 or later,
 * or the Apache License Version 2.0.
 *
 * Software distributed under the License is distributed on an "AS IS" basis,
 * WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License
 * for the specific language governing rights and limitations under the
 * License.
 */

Found in path(s):
/* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/util/proxy/ProxyFactory.java */
/* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/util/proxy/ProxyObjectOutputStream.java */
/* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/javassist/CtField.java */
/* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/analysis/FramePrinter.java */
/* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/tools/rmi/ObjectImporter.java */
/* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/SyntheticAttribute.java */
/* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/CodeGen.java */
jar/javassist/bytecode/Mnemonic.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/ast/CondExpr.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/AttributeInfo.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/AccessFlag.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/scopedpool/ScopedClassPoolRepositoryImpl.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/DuplicateMemberException.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/convert/TransformBefore.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/CtNewConstructor.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/Bytecode.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/ClassFileWriter.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/Opcode.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/ast/Variable.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/ast/DoubleConst.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/stackmap/BasicBlock.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/util/proxy/ProxyObjectInputStream.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/expr/ExprEditor.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/runtime/Inner.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/util/proxy/Proxy.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/CtNewWrappedMethod.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/expr/Cast.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/Loader.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/scopedpool/SoftValueHashMap.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/BadBytecode.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/NotFoundExcpetion.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/expr/ConstructorCall.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/URLClassPath.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/CtNewMethod.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/CtPrimitiveType.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/analysis/MultiType.java
Open Source Used In CSPC_Collector 2.9.1 780
Open Source Used In CSPC_Collector 2.9.1 781
/*

Javassist, a Java-bytecode translator toolkit.

Copyright (C) 2004 Bill Burke. All Rights Reserved.

* The contents of this file are subject to the Mozilla Public License Version

*/
* 1.1 (the "License"); you may not use this file except in compliance with
* the License. Alternatively, the contents of this file may be used under
* the terms of the GNU Lesser General Public License Version 2.1 or later,
* or the Apache License Version 2.0.
*
* Software distributed under the License is distributed on an "AS IS" basis,
* WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License
* for the specific language governing rights and limitations under the
* License.
* /

Found in path(s):
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/MemberValue.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/Annotation.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/1110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-
  jar/javassist/bytecode/annotation/ByteMemberValue.java
1.76 jersey-media-jaxb 2.27

1.77 cyrus-sasl 2.1.27 5.el8

1.77.1 Available under license:

/* CMU libtasl
   * Tim Martin
   * Rob Earhart
   * Rob Siemborski
   */

/*
 * Copyright (c) 1998-2003 Carnegie Mellon University. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 *
 * 3. The name "Carnegie Mellon University" must not be used to
 *    endorse or promote products derived from this software without
 *    prior written permission. For permission or any other legal
 *    details, please contact
 *       Office of Technology Transfer
 *       Carnegie Mellon University
 *       5000 Forbes Avenue
 *       Pittsburgh, PA  15213-3890
 *       (412) 268-4387, fax: (412) 268-7395
 *       tech-transfer@andrew.cmu.edu
 *
 * 4. Redistributions of any form whatsoever must retain the following
 *    acknowledgment:
 *       "This product includes software developed by Computing Services
 *       at Carnegie Mellon University (http://www.cmu.edu/computing/)."
 *
 * CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL WARRANTIES WITH REGARD TO
 * THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
 * AND FITNESS, IN NO EVENT SHALL CARNEGIE MELLON UNIVERSITY BE LIABLE
 * FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
Copyright (C) 1995-1997 Eric Young (eay@mincom.oz.au)
All rights reserved.

This package is an DES implementation written by Eric Young (eay@mincom.oz.au). The implementation was written so as to conform with MIT's libdes.

This library is free for commercial and non-commercial use as long as the following conditions are adhered to. The following conditions apply to all code found in this distribution.

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed. If this package is used in a product, Eric Young should be given attribution as the author of that the SSL library. This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement:
   This product includes software developed by Eric Young (eay@mincom.oz.au)

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The license and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution license
[including the GNU Public License.]

The reason behind this being stated in this direct manner is past experience in code simply being copied and the attribution removed from it and then being distributed as part of other packages. This implementation was a non-trivial and unpaid effort.

/* CMU libasasl
 * Tim Martin
 * Rob Earhart
 * Rob Siemborski
 */
/*
 * Copyright (c) 2001 Carnegie Mellon University. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in
 * the documentation and/or other materials provided with the
 * distribution.
 *
 * 3. The name "Carnegie Mellon University" must not be used to
 * endorse or promote products derived from this software without
 * prior written permission. For permission or any other legal
 * details, please contact
 * Office of Technology Transfer
 * Carnegie Mellon University
 * 5000 Forbes Avenue
 * Pittsburgh, PA 15213-3890
 * (412) 268-4387, fax: (412) 268-7395
 * tech-transfer@andrew.cmu.edu
 *
 * 4. Redistributions of any form whatsoever must retain the following
 * acknowledgment:
 * "This product includes software developed by Computing Services
 * at Carnegie Mellon University (http://www.cmu.edu/computing/)."
 *
 * CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL WARRANTIES WITH REGARD TO
 * THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
 * AND FITNESS, IN NO EVENT SHALL CARNEGIE MELLON UNIVERSITY BE LIABLE
 * FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
 * WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN
 * AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING
1.78 ding-libs 0.2.1-39.el8

1.78.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked
Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are
based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the
object code and/or source code for the Application, including any data
and utility programs needed for reproducing the Combined Work from the
Application, but excluding the System Libraries of the Combined Work.
1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.
b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities,
conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and
TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.
A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work’s users, your or third parties’ legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:
a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product.
model, to give anyone who possesses the object code either (1) a
copy of the Corresponding Source for all the software in the
product that is covered by this License, on a durable physical
medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product,
doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.
"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own
removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions;
the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.
An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party’s predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone...
to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey
the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License ”or any later version” applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM ”AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the

Open Source Used In CSPC_Collector 2.9.1  804
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.79 commons-http-client 3.1
1.79.1 Available under license:
    Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit)
alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and
You must cause any modified files to carry prominent notices stating that You changed the files; and
You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or
any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: HOW TO APPLY THE APACHE LICENSE TO YOUR WORK

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.80 plymouth 0.9.3-15.el8

1.80.1 Available under license :

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.
This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.81 nestedvm 1.0
1.81.1 Available under license:

Apache License
Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.
"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.
"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution.
"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit)
alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

1. You must give any other recipients of the Work or Derivative Works a copy of this License; and
2. You must cause any modified files to carry prominent notices stating that You changed the files; and
3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf
and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

1.82 lsof 4.91 2.el8

1.82.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.
For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.
For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)
"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
1.83 nss 3.53.1 17.el8_3

1.83.1 Available under license:

NSS is available under the Mozilla Public License, version 2, a copy of which is below.

Note on GPL Compatibility
----------------------------

The MPL 2, section 3.3, permits you to combine NSS with code under the GNU General Public License (GPL) version 2, or any later version of that license, to make a Larger Work, and distribute the result under the GPL. The only condition is that you must also make NSS, and any changes you have made to it, available to recipients under the terms of the MPL 2 also.

Anyone who receives the combined code from you does not have to continue to dual licence in this way, and may, if they wish, distribute under the terms of either of the two licences - either the MPL alone or the GPL alone. However, we discourage people from distributing copies of NSS under the GPL alone, because it means that any improvements they make cannot be reincorporated into the main version of NSS. There is never a need to do this for license compatibility reasons.

Note on LGPL Compatibility
--------------------------

The above also applies to combining MPLed code in a single library with code under the GNU Lesser General Public License (LGPL) version 2.1, or any later version of that license. If the LGPLed code and the MPLed code are not in the same library, then the copyleft coverage of the two licences does not overlap, so no issues arise.

Mozilla Public License Version 2.0
==================================

1. Definitions
--------------

1.1. "Contributor"

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version"

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.
1.3. "Contribution"
means Covered Software of a particular Contributor.

1.4. "Covered Software"
means Source Code Form to which the initial Contributor has attached
the notice in Exhibit A, the Executable Form of such Source Code
Form, and Modifications of such Source Code Form, in each case
including portions thereof.

1.5. "Incompatible With Secondary Licenses"
means
(a) that the initial Contributor has attached the notice described
   in Exhibit B to the Covered Software; or
(b) that the Covered Software was made available under the terms of
   version 1.1 or earlier of the License, but not also under the
terms of a Secondary License.

1.6. "Executable Form"
means any form of the work other than Source Code Form.

1.7. "Larger Work"
means a work that combines Covered Software with other material, in
a separate file or files, that is not Covered Software.

1.8. "License"
means this document.

1.9. "Licensable"
means having the right to grant, to the maximum extent possible,
whether at the time of the initial grant or subsequently, any and
all of the rights conveyed by this License.

1.10. "Modifications"
means any of the following:
(a) any file in Source Code Form that results from an addition to,
deletion from, or modification of the contents of Covered
   Software; or
(b) any new file in Source Code Form that contains any Covered
   Software.

1.11. "Patent Claims" of a Contributor
means any patent claim(s), including without limitation, method,
process, and apparatus claims, in any patent Licensable by such
Contributor that would be infringed, but for the grant of the
License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"
means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"
means the form of the work preferred for making modifications.

1.14. "You" (or "Your")
means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions
---------------------------------

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

(b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope
The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

(a) for any code that a Contributor has removed from Covered Software; or

(b) for infringements caused by: (i) Your and any other third party’s modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

(c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

-------------------
3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

(a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

(b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms
You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.
5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

************************************************************************

*  6. Disclaimer of Warranty
*  -------------------------
*  * Covered Software is provided under this License on an "as is" basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.
*  *
************************************************************************

************************************************************************

*  7. Limitation of Liability
*  --------------------------
*  *
*  Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any character including, without limitation, damages for lost profits, loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.
*  *
************************************************************************
8. Litigation
----------

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

9. Miscellaneous
----------------

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License
---------------------------

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses
If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice
-------------------------------------------
This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice
---------------------------------------------------------
This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.
This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.
Copyright 2008, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
Copyright 2005 Sun Microsystems, Inc. All rights reserved.
Use is subject to license terms.

This Source Code Form is subject to the terms of the Mozilla Public
License, v. 2.0. If a copy of the MPL was not distributed with this
file, You can obtain one at http://mozilla.org/MPL/2.0/.
Copyright (c) 2006, CRYPTOGRAMS by <appro@openssl.org>
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

* Redistributions of source code must retain copyright notices,
  this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above
  copyright notice, this list of conditions and the following
  disclaimer in the documentation and/or other materials
  provided with the distribution.

* Neither the name of the CRYPTOGRAMS nor the names of its
  copyright holder and contributors may be used to endorse or
  promote products derived from this software without specific
  prior written permission.

ALTERNATIVELY, provided that this notice is retained in full, this
product may be distributed under the terms of the GNU General Public
License (GPL), in which case the provisions of the GPL apply INSTEAD OF
those given above.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
Within this directory, each of the file listed below is licensed under the terms given in the file LICENSE-MPL, also in this directory.

basecvt.pod
gcd.pod
invmod.pod
isprime.pod
lap.pod
mpi-test.pod
prime.txt
prng.pod

# This file contains a list of people who've made non-trivial
# contribution to the Google C++ Testing Framework project. People
# who commit code to the project are encouraged to add their names
# here. Please keep the list sorted by first names.

Ajay Joshi <jaj@google.com>
Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
Dan Egnor <egnor@google.com>
Eric Roman <eroman@chromium.org>
Hady Zalek <hady.zalek@gmail.com>
Jeffrey Yasskin <jyasskin@gmail.com>
Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith.ray@gmail.com>
Kenton Varda <kenton@google.com>
Manuel Klimek <klimek@google.com>
Markus Heule <markus.heule@gmail.com>
Mika Raento <mikie@iki.fi>
Mikls Fazekas <mfazekas@szemafor.com>
Pasi Valminen <pasi.valminen@gmail.com>
Patrick Hanna <phanna@gmail.com>
Patrick Riley <spfr@gmail.com>
Peter Kaminski <piotr@google.com>
Preston Jackson <preston.a.jackson@gmail.com>
Rainer Klaffenboeck <rainer.klaffenboeck@dynatrace.com>
Russ Cox <rsc@google.com>
Russ Rufer <russ@pentad.com>
Sean Mcafee <seefacm@gmail.com>
Sigurur sgeirsson <siggis@google.com>
Tracy Bialik <tracy@pentad.com>
Vadim Berman <vadimb@google.com>
Vlad Losev <vladl@google.com>
Zhanyong Wan <wan@google.com>
1.84 dos2unix 7.4.0 3.el8

1.84.1 Available under license :

The dos2unix package is distributed under FreeBSD style license. See also http://www.freebsd.org/copyright/freebsd-license.html

--------

Copyright (C) 2009-2016 Erwin Waterlander
Copyright (C) 1998 Christian Wurl
Copyright (C) 1998 Bernd Johannes Wuebben
Copyright (C) 1994-1995 Benjamin Lin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.85 mchange-commons-java 0.2.15

1.85.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be
introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the
users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

    a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.86 jaxen-core 1.0-FCS
1.86.1 Available under license:
Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source
code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

1. You must give any other recipients of the Work orDerivative Works a copy of this License; and
2. You must cause any modified files to carry prominent notices stating that You changed the files; and
3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not
modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

1.87 jersey-server 1.5

1.88 activation 1.0.0
1.88.1 Available under license :
MIT License

Copyright (c) 2017 Eric COURTIAL
Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all
copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.

1.89 resourcelocator 1.0.1

1.89.1 Available under license :

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)Version 1.1

1. Definitions.

1.1. Contributor means each individual or entity that creates or contributes to the creation of Modifications.
1.2. Contributor Version means the combination of the Original Software, prior Modifications used by a Contributor
(if any), and the Modifications made by that particular Contributor.
1.3. Covered Software means (a) the Original Software, or (b) Modifications, or (c) the combination of files
containing Original Software with files containing Modifications, in each case including portions thereof.
1.4. Executable means the Covered Software in any form other than Source Code.
1.5. Initial Developer means the individual or entity that first makes Original Software available under this License.
1.6. Larger Work means a work which combines Covered Software or portions thereof with code not governed by
the terms of this License.
1.7. License means this document.
1.8. Licensable means having the right to grant, to the maximum extent possible, whether at the time of the initial
grant or subsequently acquired, any and all of the rights conveyed herein.
1.9. Modifications means the Source Code and Executable form of any of the following:
A. Any file that results from an addition to, deletion from or modification of the contents of a file containing
Original Software or previous Modifications;
B. Any new file that contains any part of the Original Software or previous Modification; or
C. Any new file that is contributed or otherwise made available under the terms of this License.
1.10. Original Software means the Source Code and Executable form of computer software code that is originally
released under this License.
1.11. Patent Claims means any patent claim(s), now owned or hereafter acquired, including without limitation,
method, process, and apparatus claims, in any patent Licensable by grantor.
1.12. Source Code means (a) the common form of computer software code in which modifications are made and (b)
1.13. You (or Your) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, You includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, control means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.
Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:
(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and
(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).
(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.
(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.
Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:
(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and
(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).
(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.
(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a
medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Oracle is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it
clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN AS IS BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. If You assert a patent infringement claim against Participant alleging that the Participant Software directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.
8. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item, as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software (as that term is defined at 48 C.F.R. § 252.227-7014(a)(1)) and commercial computer software documentation as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its
The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding
source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other
system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Oracle are subject to the following clarification and special exception to the GPL Version 2, but only where Oracle has expressly included in the particular source file's header the words "Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library.
Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

1.90 jersey-common 2.27
1.90.1 Available under license:

This content is produced and maintained by Oracle and/or its affiliates. All rights reserved.

* Project home: https://jersey.github.io

== Declared Project Licenses

This program and the accompanying materials are made available under the terms of dual license of
- COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL - Version 1.1) available at
  https://oss.oracle.com/licenses/CDDL+GPL-1.1
- GNU General Public License (GPL - Version 2, June 1991) with the "Classpath Exception"

* The GNU General Public License (GPL) Version 2, June 1991
* Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street,
  Fifth Floor Boston, MA 02110-1335 USA
* Everyone is permitted to copy and distribute verbatim copies of this
  license document, but changing it is not allowed.
* Preamble
* The licenses for most software are designed to take away your freedom to
  share and change it. By contrast, the GNU General Public License is
  intended to guarantee your freedom to share and change free software--to
  make sure the software is free for all its users. This General Public
  License applies to most of the Free Software Foundation's software and
  to any other program whose authors commit to using it. (Some other Free
  Software Foundation software is covered by the GNU Library General
  Public License instead.) You can apply it to your programs, too.
* When we speak of free software, we are referring to freedom, not price.
* Our General Public Licenses are designed to make sure that you have the
* freedom to distribute copies of free software (and charge for this
* service if you wish), that you receive source code or can get it if you
* want it, that you can change the software or use pieces of it in new
* free programs; and that you know you can do these things.
*
* To protect your rights, we need to make restrictions that forbid anyone
* to deny you these rights or to ask you to surrender the rights. These
* restrictions translate to certain responsibilities for you if you
* distribute copies of the software, or if you modify it.
*
* For example, if you distribute copies of such a program, whether gratis
* or for a fee, you must give the recipients all the rights that you have.
* You must make sure that they, too, receive or can get the source code.
* And you must show them these terms so they know their rights.
*
* We protect your rights with two steps: (1) copyright the software, and
* (2) offer you this license which gives you legal permission to copy,
* distribute and/or modify the software.
*
* Also, for each author's protection and ours, we want to make certain
* that everyone understands that there is no warranty for this free
* software. If the software is modified by someone else and passed on, we
* want its recipients to know that what they have is not the original, so
* that any problems introduced by others will not reflect on the original
* authors' reputations.
*
* Finally, any free program is threatened constantly by software patents.
* We wish to avoid the danger that redistributors of a free program will
* individually obtain patent licenses, in effect making the program
* proprietary. To prevent this, we have made it clear that any patent must
* be licensed for everyone's free use or not licensed at all.
*
* The precise terms and conditions for copying, distribution and
* modification follow.
*
* TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
*
* 0. This License applies to any program or other work which contains a
* notice placed by the copyright holder saying it may be distributed under
* the terms of this General Public License. The "Program", below, refers
* to any such program or work, and a "work based on the Program" means
* either the Program or any derivative work under copyright law: that is
* to say, a work containing the Program or a portion of it, either
* verbatim or with modifications and/or translated into another language.
* (Hereinafter, translation is included without limitation in the term
* "modification".) Each licensee is addressed as "you".
*
* Activities other than copying, distribution and modification are not
* covered by this License; they are outside its scope. The act of running
* the Program is not restricted, and the output from the Program is
* covered only if its contents constitute a work based on the Program
* (independent of having been made by running the Program). Whether that
* is true depends on what the Program does.
*
* 1. You may copy and distribute verbatim copies of the Program's source
* code as you receive it, in any medium, provided that you conspicuously
* and appropriately publish on each copy an appropriate copyright notice
* and disclaimer of warranty; keep intact all the notices that refer to
* this License and to the absence of any warranty; and give any other
* recipients of the Program a copy of this License along with the Program.
* You may charge a fee for the physical act of transferring a copy, and
* you may at your option offer warranty protection in exchange for a fee.
*
* 2. You may modify your copy or copies of the Program or any portion of
* it, thus forming a work based on the Program, and copy and distribute
* such modifications or work under the terms of Section 1 above, provided
* that you also meet all of these conditions:
*
*   a) You must cause the modified files to carry prominent notices stating
*      that you changed the files and the date of any change.
*
*   b) You must cause any work that you distribute or publish, that in whole
*      or in part contains or is derived from the Program or any part thereof,
*      to be licensed as a whole at no charge to all third parties under the
*      terms of this License.
*
*   c) If the modified program normally reads commands interactively when
*      run, you must cause it, when started running for such interactive use in
*      the most ordinary way, to print or display an announcement including an
*      appropriate copyright notice and a notice that there is no warranty (or
*      else, saying that you provide a warranty) and that users may
*      redistribute the program under these conditions, and telling the user
*      how to view a copy of this License. (Exception: if the Program itself is
*      interactive but does not normally print such an announcement, your work
*      based on the Program is not required to print an announcement.)
*
* These requirements apply to the modified work as a whole. If
* identifiable sections of that work are not derived from the Program, and
* can be reasonably considered independent and separate works in
* themselves, then this License, and its terms, do not apply to those
* sections when you distribute them as separate works. But when you
* distribute the same sections as part of a whole which is a work based on
* the Program, the distribution of the whole must be on the terms of this
* License, whose permissions for other licensees extend to the entire
* whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
* 4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
*
* 5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
*
* 6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
*
* 7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.
*
* If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
*
* It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that
* system in reliance on consistent application of that system; it is up to
* the author/donor to decide if he or she is willing to distribute
* software through any other system and a licensee cannot impose that
* choice.
*
* This section is intended to make thoroughly clear what is believed to be
* a consequence of the rest of this License.
*
* 8. If the distribution and/or use of the Program is restricted in
* certain countries either by patents or by copyrighted interfaces, the
* original copyright holder who places the Program under this License may
* add an explicit geographical distribution limitation excluding those
* countries, so that distribution is permitted only in or among countries
* not thus excluded. In such case, this License incorporates the
* limitation as if written in the body of this License.
*
* 9. The Free Software Foundation may publish revised and/or new versions
* of the General Public License from time to time. Such new versions will
* be similar in spirit to the present version, but may differ in detail to
* address new problems or concerns.
*
* Each version is given a distinguishing version number. If the Program
* specifies a version number of this License which applies to it and "any
* later version", you have the option of following the terms and
* conditions either of that version or of any later version published by
* the Free Software Foundation. If the Program does not specify a version
* number of this License, you may choose any version ever published by the
* Free Software Foundation.
*
* 10. If you wish to incorporate parts of the Program into other free
* programs whose distribution conditions are different, write to the
* author to ask for permission. For software which is copyrighted by the
* Free Software Foundation, write to the Free Software Foundation; we
* sometimes make exceptions for this. Our decision will be guided by the
* two goals of preserving the free status of all derivatives of our free
* software and of promoting the sharing and reuse of software generally.
*
* NO WARRANTY
*
* 11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
* FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
* OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
* PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER
* EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE
* ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH
* YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL
* NECESSARY SERVICING, REPAIR OR CORRECTION.
* 12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
* WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
* AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR
* DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL
* DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM
* (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED
* INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF
* THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR
* OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
*
* END OF TERMS AND CONDITIONS
*
* How to Apply These Terms to Your New Programs
*
* If you develop a new program, and you want it to be of the greatest
* possible use to the public, the best way to achieve this is to make it
* free software which everyone can redistribute and change under these
* terms.
*
* To do so, attach the following notices to the program. It is safest to
* attach them to the start of each source file to most effectively convey
* the exclusion of warranty; and each file should have at least the
* "copyright" line and a pointer to where the full notice is found.
*
* One line to give the program's name and a brief idea of what it does.
* Copyright (C) <year> <name of author>
*
* This program is free software; you can redistribute it and/or modify it
* under the terms of the GNU General Public License as published by the
* Free Software Foundation; either version 2 of the License, or (at your
* option) any later version.
*
* This program is distributed in the hope that it will be useful, but
* WITHOUT ANY WARRANTY; without even the implied warranty of
* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General
* Public License for more details.
*
* You should have received a copy of the GNU General Public License along
* with this program; if not, write to the Free Software Foundation, Inc.,
* 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
*
* Also add information on how to contact you by electronic and paper mail.
*
* If the program is interactive, make it output a short notice like this
* when it starts in an interactive mode:
*
* Gnomovision version 69, Copyright (C) year name of author Gnomovision
comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is
free software, and you are welcome to redistribute it under certain
conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the commands
you use may be called something other than `show w' and `show c'; they
could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications
with the library. If this is what you want to do, use the GNU Library
General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Oracle America, Inc. and/or its affiliates
are subject to the following clarification and special exception to the GPLv2,
based on the GNU Project exception for its Classpath libraries, known as the
GNU Classpath Exception, but only where Oracle has expressly included in the
particular source file's header the words "Oracle designates this particular
file as subject to the "Classpath" exception as provided by Oracle in the
LICENSE file that accompanied this code."

You should also note that Oracle includes multiple, independent programs in
this software package. Some of those programs are provided under licenses
deemed incompatible with the GPLv2 by the Free Software Foundation and others.
For example, the package includes programs licensed under the Apache License,
Version 2.0. Such programs are licensed to you under their original licenses.
Oracle facilitates your further distribution of this package by adding the
Classpath Exception to the necessary parts of its GPLv2 code, which permits you
to use that code in combination with other independent modules not licensed
under the GPLv2. However, note that this would not permit you to commingle
code under an incompatible license with Oracle's GPLv2 licensed code by, for
example, cutting and pasting such code into a file also containing Oracle's
GPLv2 licensed code and then distributing the result. Additionally, if you
were to remove the Classpath Exception from any of the files to which it applies and distribute the result, you would likely be required to license some or all of the other code in that distribution under the GPLv2 as well, and since the GPLv2 is incompatible with the license terms of some items included in the distribution by Oracle, removing the Classpath Exception could therefore effectively compromise your ability to further distribute the package.

Proceed with caution and we recommend that you obtain the advice of a lawyer skilled in open source matters before removing the Classpath Exception or making modifications to this package which may subsequently be redistributed and/or involve the use of third party software.

**CLASSPATH EXCEPTION**

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

== Source Code

* https://github.com/jersey/jersey.git

== Copyright Holders

Copyright (c) 2013-2018 Oracle and/or its affiliates. All rights reserved.

== Third party technology that may be necessary for use with this program is identified below and licensed under the terms of the third party technology license agreement specified and not under GPLv2 with Classpath Exception or CDDL.

Google Guava Version 18.0
* License: Apache License, 2.0
* Copyright (C) 2009 The Guava Authors
* * Apache License
* * Version 2.0, January 2004
* * http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner.
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions.
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "["]
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.

JSR-166 Extension - JEP 266
* License: CC0
* No copyright
* Written by Doug Lea with assistance from members of JCP JSR-166
* Expert Group and released to the public domain, as explained at
* http://creativecommons.org/publicdomain/zero/1.0/

* Creative Commons Legal Code
* CC0 1.0 Universal
* CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE
* LEGAL SERVICES. DISTRIBUTION OF THIS DOCUMENT DOES NOT CREATE AN
* ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS
* INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES
* REGARDING THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS
* PROVIDED HEREUNDER, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM
* THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED
* HEREUNDER.

* Statement of Purpose

* The laws of most jurisdictions throughout the world automatically confer
* exclusive Copyright and Related Rights (defined below) upon the creator
* and subsequent owner(s) (each and all, an "owner") of an original work of
* authorship and/or a database (each, a "Work").
*
* Certain owners wish to permanently relinquish those rights to a Work for
* the purpose of contributing to a commons of creative, cultural and
* scientific works ("Commons") that the public can reliably and without fear
* of later claims of infringement build upon, modify, incorporate in other
* works, reuse and redistribute as freely as possible in any form whatsoever
* and for any purposes, including without limitation commercial purposes.
* These owners may contribute to the Commons to promote the ideal of a free
* culture and the further production of creative, cultural and scientific
* works, or to gain reputation or greater distribution for their Work in
* part through the use and efforts of others.
*
* For these and/or other purposes and motivations, and without any
* expectation of additional consideration or compensation, the person
* associating CC0 with a Work (the "Affirmer"), to the extent that he or she
* is an owner of Copyright and Related Rights in the Work, voluntarily
* elects to apply CC0 to the Work and publicly distribute the Work under its
* terms, with knowledge of his or her Copyright and Related Rights in the
* Work and the meaning and intended legal effect of CC0 on those rights.
*
* 1. Copyright and Related Rights. A Work made available under CC0 may be
* protected by copyright and related or neighboring rights ("Copyright and
* Related Rights"). Copyright and Related Rights include, but are not
* limited to, the following:
* *
* i. the right to reproduce, adapt, distribute, perform, display,
*    communicate, and translate a Work;
* ii. moral rights retained by the original author(s) and/or performer(s);
* iii. publicity and privacy rights pertaining to a person's image or
*    likeness depicted in a Work;
* iv. rights protecting against unfair competition in regards to a Work,
*    subject to the limitations in paragraph 4(a), below;
* v. rights protecting the extraction, dissemination, use and reuse of data
*    in a Work;
* vi. database rights (such as those arising under Directive 96/9/EC of the
*    protection of databases, and under any national implementation
*    thereof, including any amended or successor version of such
*    directive); and
* vii. other similar, equivalent or corresponding rights throughout the
*    world based on applicable law or treaty, and any national
*    implementations thereof.
*
* 2. Waiver. To the greatest extent permitted by, but not in contravention
* of, applicable law, Affirmer hereby overtly, fully, permanently,
* irrevocably and unconditionally waives, abandons, and surrenders all of
* Affirmer's Copyright and Related Rights and associated claims and causes
* of action, whether now known or unknown (including existing as well as
* future claims and causes of action), in the Work (i) in all territories
* worldwide, (ii) for the maximum duration provided by applicable law or
* treaty (including future time extensions), (iii) in any current or future
* medium and for any number of copies, and (iv) for any purpose whatsoever,
* including without limitation commercial, advertising or promotional
* purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each
* member of the public at large and to the detriment of Affirmer's heirs and
* successors, fully intending that such Waiver shall not be subject to
* revocation, rescission, cancellation, termination, or any other legal or
* equitable action to disrupt the quiet enjoyment of the Work by the public
* as contemplated by Affirmer's express Statement of Purpose.
*
* 3. Public License Fallback. Should any part of the Waiver for any reason
* be judged legally invalid or ineffective under applicable law, then the
* Waiver shall be preserved to the maximum extent permitted taking into
account Affirmer's express Statement of Purpose. In addition, to the
extent the Waiver is so judged Affirmer hereby grants to each affected
person a royalty-free, non transferable, non sublicensable, non exclusive,
irrevocable and unconditional license to exercise Affirmer's Copyright and
Related Rights in the Work (i) in all territories worldwide, (ii) for the
maximum duration provided by applicable law or treaty (including future
time extensions), (iii) in any current or future medium and for any number
of copies, and (iv) for any purpose whatsoever, including without
limitation commercial, advertising or promotional purposes (the
"License"). The License shall be deemed effective as of the date CC0 was
applied by Affirmer to the Work. Should any part of the License for any
reason be judged legally invalid or ineffective under applicable law, such
partial invalidity or ineffectiveness shall not invalidate the remainder
of the License, and in such case Affirmer hereby affirms that he or she
will not (i) exercise any of his or her remaining Copyright and Related
Rights in the Work or (ii) assert any associated claims and causes of
action with respect to the Work, in either case contrary to Affirmer's
express Statement of Purpose.

4. Limitations and Disclaimers.

   a. No trademark or patent rights held by Affirmer are waived, abandoned,
surrendered, licensed or otherwise affected by this document.
   b. Affirmer offers the Work as-is and makes no representations or
warranties of any kind concerning the Work, express, implied,
statutory or otherwise, including without limitation warranties of
title, merchantability, fitness for a particular purpose, non
infringement, or the absence of latent or other defects, accuracy, or
the present or absence of errors, whether or not discoverable, all to
the greatest extent permissible under applicable law.
   c. Affirmer disclaims responsibility for clearing rights of other persons
that may apply to the Work or any use thereof, including without
limitation any person's Copyright and Related Rights in the Work.
Further, Affirmer disclaims responsibility for obtaining any necessary
consents, permissions or other rights required for any use of the
Work.
   d. Affirmer understands and acknowledges that Creative Commons is not a
party to this document and has no duty or obligation with respect to
this CC0 or use of the Work.
1.92 checkpolicy 2.9 1.el8

1.92.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.
Also, for each author’s protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors’ reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone’s free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a
notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.93 commons-collections 3.2.2

1.93.1 Available under license:
Apache Commons Collections
Copyright 2001-2015 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.94 xz 5.2.4 3.el8
1.94.1 Available under license:

XZ Utils Licensing

Different licenses apply to different files in this package. Here is a rough summary of which licenses apply to which parts of this package (but check the individual files to be sure!):

- liblzma is in the public domain.

- xz, xzdec, and lzmadec command line tools are in the public domain unless GNU getopt_long had to be compiled and linked in from the lib directory. The getopt_long code is under
GNU LGPLv2.1+.

- The scripts to grep, diff, and view compressed files have been adapted from gzip. These scripts and their documentation are under GNU GPLv2+.

- All the documentation in the doc directory and most of the XZ Utils specific documentation files in other directories are in the public domain.

- Translated messages are in the public domain.

- The build system contains public domain files, and files that are under GNU GPLv2+ or GNU GPLv3+. None of these files end up in the binaries being built.

- Test files and test code in the tests directory, and debugging utilities in the debug directory are in the public domain.

- The extra directory may contain public domain files, and files that are under various free software licenses.

You can do whatever you want with the files that have been put into the public domain. If you find public domain legally problematic, take the previous sentence as a license grant. If you still find the lack of copyright legally problematic, you have too many lawyers.

As usual, this software is provided "as is", without any warranty.

If you copy significant amounts of public domain code from XZ Utils into your project, acknowledging this somewhere in your software is polite (especially if it is proprietary, non-free software), but naturally it is not legally required. Here is an example of a good notice to put into "about box" or into documentation:

This software includes code from XZ Utils <https://tukaani.org/xz/>.

The following license texts are included in the following files:
- COPYING.LGPLv2.1: GNU Lesser General Public License version 2.1
- COPYING.GPLv2: GNU General Public License version 2
- COPYING.GPLv3: GNU General Public License version 3

Note that the toolchain (compiler, linker etc.) may add some code pieces that are copyrighted. Thus, it is possible that e.g. liblzma binary wouldn't actually be in the public domain in its entirety even though it contains no copyrighted code from the XZ Utils source package.
If you have questions, don't hesitate to ask the author(s) for more information.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for cop ying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program, the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

**NO WARRANTY**

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

**END OF TERMS AND CONDITIONS**

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.
For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.
To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.
When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.
A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation’s users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates.
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent
that they are valid under applicable law. If additional permissions
apply only to part of the Program, that part may be used separately
under those permissions, but the entire Program remains governed by
this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part of
it. (Additional permissions may be written to require their own
removal in certain cases when you modify the work.) You may place
additional permissions on material, added by you to a covered work,
for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you
add to a covered work, you may (if authorized by the copyright holders of
that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the
terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or
author attributions in that material or in the Appropriate Legal
Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or
requiring that modified versions of such material be marked in
reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or
authors of the material; or
e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after
your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The
work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is
conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the
Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.  
For more information on this, and how to apply and follow the GNU GPL, see
The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.95 python-asn1crypto 0.24.0-1.ph3

1.95.1 Available under license:

Copyright (c) 2015-2017 Will Bond <will@wbond.net>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.96 pciutils 3.5.6-4.el8

1.96.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

**NO WARRANTY**

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

**END OF TERMS AND CONDITIONS**

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful, 
but WITHOUT ANY WARRANTY; without even the implied warranty of 
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the 
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along 
with this program; if not, write to the Free Software Foundation, Inc., 
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it 
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate 
parts of the General Public License. Of course, the commands you use may 
be called something other than `show w' and `show c'; they could even be 
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your 
school, if any, to sign a "copyright disclaimer" for the program, if 
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program 
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into 
proprietary programs. If your program is a subroutine library, you may 
consider it more useful to permit linking proprietary applications with the 
library. If this is what you want to do, use the GNU Lesser General 
Public License instead of this License.

1.97 spring-context 2.5.1
1.97.1 Available under license:
   Apache License
   Version 2.0, January 2004
   http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

   (a) You must give any other recipients of the Work or
       Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices
       stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.98 lm-sensors 3.4.0
20.20180522git70f7e08.el8
1.98.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.
We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work
which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License: they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting
distribution under these terms (or, alternatively, under the terms of the Ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
* Mark M. Hoffman
Many improvements to the libsensors configuration file scanner.
* Jean Delvare
New libsensors API, and migration of sensors and sensord thereto.
Many optimizations in libsensors and sensors.
Configuration file converter.
Rewrite of sensors-detect.
Support for multiple configuration files in libsensors.

1.99 aop-alliance 2.5.0-b42
1.99.1 Available under license:
COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)
Version 1.0

* 

1. Definitions.

1.1. ?Contributor? means each individual or entity that creates or contributes to the creation of Modifications.

1.2. ?Contributor Version? means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. ?Covered Software? means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. ?Executable? means the Covered Software in any form other than Source Code.

1.5. ?Initial Developer? means the individual or entity that first makes Original Software available under this License.

1.6. ?Larger Work? means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. ?License? means this document.

1.8. ?Licensable? means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.
1.9. Modifications? means the Source Code and Executable form of any of the following:
   +
   
   A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;
   +
   
   B. Any new file that contains any part of the Original Software or previous Modification; or
   +
   
   C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software? means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims? means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code? means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You? (or ?Your?) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, ?You? includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, ?control? means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and
(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients? rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient?s rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.
6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as "Participant") alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software? (as that term is defined at 48 C.F.R. ? 252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and
supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

*  

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction’s conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys’ fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

*  

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

1.100 activemq-jdbc-store 5.15.14

1.100.1 Available under license:

ActiveMQ :: JDBC Store
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "["] replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.101 slf4j 1.7.12

1.101.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications...
represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright 1999-2005 The Apache Software Foundation

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
Copyright (c) 2004-2007 QOS.ch
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
Copyright (c) 2004-2013 QOS.ch
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2004-2014 QOS.ch
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
   
   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
   
   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
   
   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
   
   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

1.102 libteam 1.28-4.el8
1.102.1 Available under license :
GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".


A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and
"any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
1.104 derby 10.14.2.0

1.104.1 Available under license:

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en-us" xml:lang="en-us">
<!--
Licensed to the Apache Software Foundation (ASF) under one or more
contributor license agreements. See the NOTICE file distributed with
this work for additional information regarding copyright ownership.
The ASF licenses this file to You under the Apache License, Version 2.0
(the "License"); you may not use this file except in compliance with
the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
-->
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type" />
<meta name="copyright" content="(C) Copyright 2005" />
<meta name="DC.rights.owner" content="(C) Copyright 2005" />
<meta content="public" name="security" />
<meta content="index,follow" name="Robots" />
<meta http-equiv="PICS-Label" content='(PICS-1.1 "http://www.icra.org/ratingsv02.html" l gen true r (cz 1 lz 1 nz
1 oz 1 vz 1) "http://www.rsac.org/ratingsv01.html" l gen true r (n 0 s 0 v 0 10) "http://www.classify.org/safesurf" l
gen true r (SS--000 1))' />
<meta content="reference" name="DC.Type" />
<meta name="DC.Title" content="License" />
<meta name="abstract" content="" />
<meta name="description" content="" />
<meta content="Apache, license" name="DC.subject" />
<meta content="Apache, license" name="keywords" />
<meta content="XHTML" name="DC.Format" />
<meta content="rdevlicense" name="DC.Identifier" />
<meta content="en-us" name="DC.Language" />
<link href="commonltr.css" type="text/css" rel="stylesheet" />
<title>License</title>
</head>
<body id="rdevlicense"><a name="rdevlicense"><![CDATA[
<!-- --></a>
<h1 class="topictitle1">License</h1>

<p>The Apache License, Version 2.0</p>

<pre>
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by
their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole,
provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

</pre>

</div>

</div>

</body>
</html>

4
textjava/lang/String;sqlStateWhenMissing<init>'(Ljava/lang/String;Ljava/lang/String;)VCodeLineNumberTableLo
calVariableTablethis=Lorg/apache/derbyTesting/functionTests/tests/lang/Permission;
SourceFilePermission.java;org/apache/derbyTesting/functionTests/tests/lang/Permissionjava/lang/Object()V!Y**++*,#$

%&
Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
The Apache License, Version 2.0

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations,
or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the
terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.
END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en-us" xml:lang="en-us">
<!--
Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at
-->
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the
purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices
stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.
and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

=========================================================================The portion of the functionTests under 'nist' was originally
developed by the National Institute of Standards and Technology (NIST),
an agency of the United States Department of Commerce, and adapted by
International Business Machines Corporation in accordance with the NIST
Software Acknowledgment and Redistribution document at
http://www.itl.nist.gov/div897/ctg/sql_form.htm

=========================================================================The Derby build relies on source files supplied by the Apache Felix
project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org).
III. License Summary
- Apache License 2.0
- BSD License

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects, including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

The Google Code Pretty is Apache License 2.0.
See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0
See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin
g Package (jaspell): http://jaspell.sourceforge.net/
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
    analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
    analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
    http://snowball.tartarus.org/

The KStem stemmer in
    analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
    analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
    analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default
stopword list that is BSD-licensed created by the Carrot2 project. The file resides
in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt.
See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smarten) was
provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/)
is derived from Unicode data such as the Unicode Character Database.
See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software
developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary
(http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia)
LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP)
(http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original
source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
=============================================================================
Nara Institute of Science and Technology (NAIST), the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and fitness, in no event shall NAIST be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortuous action, arising out of or in connection with the use or performance of this software.

A large portion of the dictionary entries originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had
knowledge of, the possibility of such damages at any time during the
project or thereafter. Each user will be deemed to have agreed to the
foregoing by his or her commencement of use of the program. The term
"use" as used herein includes, but is not limited to, the use,
modification, copying and distribution of the program and the
production of secondary products from the program.

In the case where the program, whether in its original form or
modified, was distributed or delivered to or received by a user from
any person, organization or entity other than ICOT, unless it makes or
grants independently of ICOT any specific warranty to the user in
writing, such person, organization or entity, will also be exempted
from and not be held liable to the user for any such damages as noted
above as far as the program is concerned.

The Derby build relies on a jar file supplied by the JSON Simple
project, hosted at https://code.google.com/p/json-simple/.
The JSON simple jar file is licensed under the Apache 2.0 License.
No other notice covers that jar file.
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en-us" xml:lang="en-us">
<!--
Licensed to the Apache Software Foundation (ASF) under one or more
contributor license agreements. See the NOTICE file distributed with
this work for additional information regarding copyright ownership.
The ASF licenses this file to You under the Apache License, Version 2.0
(the "License"); you may not use this file except in compliance with
the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
-->
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type" />
<meta name="copyright" content="(C) Copyright 2005" />
<meta name="DC.rights.owner" content="(C) Copyright 2005" />
<meta name="public" content="security" />
<meta content="index,follow" name="Robots" />
<meta http-equiv="PICS-Label" content="(PICS-1.1 "http://www.icra.org/ratingsv02.html" 1 gen true r (cz 1 lz 1 nz

Open Source Used In CSPC_Collector 2.9.1 998
The Apache License, Version 2.0

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative
Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for
informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to
damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright yyyy [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

</pre>

</div>

</div>
Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

http://www.apache.org/licenses/LICENSE-2.0

<h1 class="topictitle1">License</h1>
The Apache License, Version 2.0

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and
for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work
constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License. You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for
inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.
END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

</pre>

</div>

</div>

</body>
</html>

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en-us" lang="en-us">
<!-- Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at -->
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

The Apache License, Version 2.0

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing
lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a ”NOTICE” text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or
conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or
FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for
determining the appropriateness of using or redistributing the
Work and assume any risks associated with Your exercise of
permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and
grossly negligent acts) or agreed to in writing, shall any
Contributor be liable to You for damages, including any direct,
indirect, special, incidental, or consequential damages of any
character arising as a result of this License or out of the use
or inability to use the Work (including but not limited to
damages for loss of goodwill, work stoppage, computer failure or
malfunction, or any and all other commercial damages or losses),
even if such Contributor has been advised of the possibility of
such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by
reason of your accepting any such warranty or additional
liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensee" shall mean an individual or Legal Entity exercising permissions granted by this License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation.
source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-/W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en-us" xml:lang="en-us">
<!--
Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and

Open Source Used In CSPC_Collector 2.9.1 1019
The Apache License, Version 2.0

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the
purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of
(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute
must include a readable copy of the attribution notices
contained within such NOTICE file, excluding those notices
that do not pertain to any part of the Derivative Works, in
at least one of the following places: within a NOTICE text
file distributed as part of the Derivative Works; within the
Source form or documentation, if provided along with the
Derivative Works; or, within a display generated by the
Derivative Works, if and wherever such third-party notices
normally appear. The contents of the NOTICE file are for
informational purposes only and do not modify the License.
You may add Your own attribution notices within Derivative
Works that You distribute, alongside or as an addendum to
the NOTICE text from the Work, provided that such additional
attribution notices cannot be construed as modifying the
License.

You may add Your own copyright statement to Your modifications
and may provide additional or different license terms and
conditions for use, reproduction, or distribution of Your
modifications, or for any such Derivative Works as a whole,
provided Your use, reproduction, and distribution of the Work
otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state
otherwise, any Contribution intentionally submitted for
inclusion in the Work by You to the Licensor shall be under the
terms and conditions of this License, without any additional
terms or conditions. Notwithstanding the above, nothing herein
shall supersede or modify the terms of any separate license
agreement you may have executed with Licensor regarding such
Contributions.

6. Trademarks. This License does not grant permission to use the
trade names, trademarks, service marks, or product names of the
Licensor, except as required for reasonable and customary use
in describing the origin of the Work and reproducing the content
of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or
conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or
FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for
determining the appropriateness of using or redistributing the
Work and assume any risks associated with Your exercise of
permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and
grossly negligent acts) or agreed to in writing, shall any
Contributor be liable to You for damages, including any direct,
indirect, special, incidental, or consequential damages of any
character arising as a result of this License or out of the use
or inability to use the Work (including but not limited to
damages for loss of goodwill, work stoppage, computer failure or
malfunction, or any and all other commercial damages or losses),
even if such Contributor has been advised of the possibility of
such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by
reason of your accepting any such warranty or additional
liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied. See the License for the specific language governing
permissions and limitations under the License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,  
worldwide, non-exclusive, no-charge, royalty-free, irrevocable  
(except as stated in this section) patent license to make, have made,  
use, offer to sell, sell, import, and otherwise transfer the Work,  
where such license applies only to those patent claims licensable  
by such Contributor that are necessarily infringed by their  
Contribution(s) alone or by combination of their Contribution(s)  
with the Work to which such Contribution(s) was submitted. If You  
institute patent litigation against any entity (including a  
cross-claim or counterclaim in a lawsuit) alleging that the Work  
or a Contribution incorporated within the Work constitutes direct  
or contributory patent infringement, then any patent licenses  
granted to You under this License for that Work shall terminate  
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the  
Work or Derivative Works thereof in any medium, with or without  
modifications, and in Source or Object form, provided that You  
meet the following conditions:

(a) You must give any other recipients of the Work or  
    Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices  
    stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works  
    that You distribute, all copyright, patent, trademark, and  
    attribution notices from the Source form of the Work,  
    excluding those notices that do not pertain to any part of  
    the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its  
    distribution, then any Derivative Works that You distribute must  
    include a readable copy of the attribution notices contained  
    within such NOTICE file, excluding those notices that do not  
    pertain to any part of the Derivative Works, in at least one  
    of the following places: within a NOTICE text file distributed  
    as part of the Derivative Works; within the Source form or  
    documentation, if provided along with the Derivative Works; or,  
    within a display generated by the Derivative Works, if and  
    wherever such third-party notices normally appear. The contents  
    of the NOTICE file are for informational purposes only and  
    do not modify the License. You may add Your own attribution  
    notices within Derivative Works that You distribute, alongside  
    or as an addendum to the NOTICE text from the Work, provided  
    that such additional attribution notices cannot be construed  
    as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright 2014 Joze Martin Rozanec

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.106 ion-java 1.0.2

1.106.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise
"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
your Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

1.107 mpfr 3.1.6 1.el8
1.107.1 Available under license :  
@c MPFR tweak: Have this in mpfr.texi to help texinfo-mode  
@c @node GNU Free Documentation License  
@c @appendixsec GNU Free Documentation License  
@cindex GNU Free Documentation License  
@center Version 1.2, November 2002  
@display  
Copyright @copyright{} 2000,2001,2002 Free Software Foundation, Inc.  
51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA  
@end display  

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.  
@end display

@enumerate 0  
@item  
PREAMBLE  

The purpose of this License is to make a manual, textbook, or other functional and useful document @dfn{free} in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it,
with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice
that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The ``Cover Texts'' are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A ``Transparent'' copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not ``Transparent'' is called ``Opaque''.

Examples of suitable formats for Transparent copies include plain @sc{ascii} without markup, Texinfo input format, La@TeX{} input format, @acronym{SGML} or @acronym{XML} using a publicly available @acronym{DTD}, and standard-conforming simple @acronym{HTML}, PostScript or @acronym{PDF} designed for human modification. Examples of transparent image formats include @acronym{PNG}, @acronym{XCF} and @acronym{JPG}. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, @acronym{SGML} or @acronym{XML} for which the @acronym{DTD} and/or processing tools are not generally available, and the machine-generated @acronym{HTML}, PostScript or @acronym{PDF} produced by some word processors for output purposes only.

The ``Title Page'' means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, ``Title Page'' means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

A section ``Entitled XYZ'' means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as ``Acknowledgements'', Open Source Used In CSPC_Collector 2.9.1 1035
"Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.
If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

@item
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate A
@item
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.
@item
Add an appropriate copyright notice for your modifications
adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice
giving the public permission to use the Modified Version under the
terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections
and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled "History", Preserve its Title, and add
to it an item stating at least the title, year, new authors, and
publisher of the Modified Version as given on the Title Page. If
there is no section Entitled "History" in the Document, create one
stating the title, year, authors, and publisher of the Document as
given on its Title Page, then add an item describing the Modified
Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for
public access to a Transparent copy of the Document, and likewise
the network locations given in the Document for previous versions
it was based on. These may be placed in the "History" section.
You may omit a network location for a work that was published at
least four years before the Document itself, or if the original
publisher of the version it refers to gives permission.

@item
For any section Entitled "Acknowledgements" or "Dedications", Preserve
the Title of the section, and preserve in the section all the
substance and tone of each of the contributor acknowledgements and/or
dedications given therein.

@item
Preserve all the Invariant Sections of the Document,
unaltered in their text and in their titles. Section numbers
or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled "Endorsements". Such a section
may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and
multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.
TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled “Acknowledgements”, “Dedications”, or “History”, the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided for under this License. Any other attempt to copy, modify, sublicense or distribute the Document is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not
as a draft) by the Free Software Foundation.
@end enumerate

@end page
@c MPFR tweak: Use @appendixsec
@c @appendixsubsec ADDENDUM: How to use this License for your documents
@appendixsec ADDENDUM: How to Use This License For Your Documents

To use this License in a document you have written, include a copy of
the License in the document and put the following copyright and
license notices just after the title page:

@sml exemple
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document
under the terms of the GNU Free Documentation License, Version 1.2
or any later version published by the Free Software Foundation;
with no Invariant Sections, no Front-Cover Texts, and no Back-Cover
Texts. A copy of the license is included in the section entitled ``GNU
Free Documentation License''.
@end group
@end sml exemple

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts,
replace the `'' with...Texts.'’ line with this:

@sml exemple
@group
with the Invariant Sections being @var{list their titles}, with
the Front-Cover Texts being @var{list}, and with the Back-Cover Texts
being @var{list}.
@end group
@end sml exemple

If you have Invariant Sections without Cover Texts, or some other
combination of the three, merge those two alternatives to suit the
situation.

If your document contains nontrivial examples of program code, we
recommend releasing these examples in parallel under your choice of
free software license, such as the GNU General Public License,
to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.
Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the
public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of
technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users
beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.
Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for
any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version,
but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the
parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published.
by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked
Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are
based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the
object code and/or source code for the Application, including any data
and utility programs needed for reproducing the Combined Work from the
Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License
without being bound by section 3 of the GNU GPL.
2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during
execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

1.108 jetty-annotations 9.4.11.v20180605

1.109 http2-server 9.4.11.v20180605

1.110 asm 3.1

1.110.1 Available under license:
No license file was found, but licenses were detected in source scan.

/****
* ASM XML Adapter
* Copyright (c) 2004, Eugene Kuleshov
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright

Open Source Used In CSPC_Collector 2.9.1 1060
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its
* contributors may be used to endorse or promote products derived from
* this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.
*/

Found in path(s):
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/xml/Processor.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/xml/ASMContentHandler.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/xml/SAXAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/xml/SAXFieldAdapter.java

No license file was found, but licenses were detected in source scan.

/***
* ASM: a very small and fast Java bytecode manipulation framework
* Copyright (c) 2000-2007 INRIA, France Telecom
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its
* contributors may be used to endorse or promote products derived from
* this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.
*/

Found in path(s):
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/signature/SignatureVisitor.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/JSRInlinerAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/ByteVector.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/MethodWriter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/util/TraceAbstractVisitor.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/InsnList.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/util/AbstractVisitor.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/analysis/SmallSet.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/AnalyzerAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/LocalVariableNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/SimpleRemapper.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/IntInsnNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/MethodNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/util/ASMifierMethodVisitor.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/AdviceAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/LabelNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/Attribute.java
* /opt/ cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/util/CheckClassAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/GeneratorAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/FieldNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/analysis/BasicValue.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/AnnotationWriter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/ClassNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/MemberNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/LdcInsnNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/Type.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/signature/SignatureWriter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/util/ASMifierFieldVisitor.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/InsnNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/FieldVisitor.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/Handler.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/Remapper.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/FrameNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/tree/lookupSwitchInsnNode.java
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/commons/SequenceWriter.java
No license file was found, but licenses were detected in source scan.

* ASM XML Adapter
* Copyright (c) 2004, Eugene Kuleshov
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its
*    contributors may be used to endorse or promote products derived from
*    this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.

Found in path(s):
* /opt/cola/permits/1135891771_1613626596.19/0/asm-all-3-1-sources-1-jar/org/objectweb/asm/xml/package.html
No license file was found, but licenses were detected in source scan.

/**
* ASM: a very small and fast Java bytecode manipulation framework
* Copyright (c) 2000-2007 INRIA, France Telecom
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its
*   contributors may be used to endorse or promote products derived from
*   this software without specific prior written permission.

* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.
*/

Found in path(s):
* /opt/cola/permits/1135891771_1613626596.190/asm-all-3-1-sources-1-jar/org/objectweb/asm/util/Traceable.java
* /opt/cola/permits/1135891771_1613626596.190/asm-all-3-1-sources-1-jar/org/objectweb/asm/util/ASMifiable.java

No license file was found, but licenses were detected in source scan.

2005 INRIA, France Telecom
* All rights reserved.

* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its
*    contributors may be used to endorse or promote products derived from
*    this software without specific prior written permission.

* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.

No license file was found, but licenses were detected in source scan.

ASM XML Adapter
Copyright (c) 2004, Eugene Kuleshov
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
1.111 dom-aspects 1.2.20

1.111.1 Available under license:

Apache Axiom

Copyright 2004-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.112 activation 1.1

1.112.1 Available under license:

Found license 'Common Development and Distribution License (CDDL) 1.1' in The contents of this file are subject to the terms of the Common Development and Distribution License (the "License"). You may not use this file except Copyright 2001-2005 Sun Microsystems, Inc. All Rights Reserved.'

Found license 'Common Development and Distribution License (CDDL) 1.1' in '* The contents of this file are subject to the terms * of the Common Development and Distribution License * (the "License"). You may not use this file except * Copyright 2002-2005 Sun Microsystems, Inc. All Rights Reserved.'

Found license 'Common Development and Distribution License (CDDL) 1.1' in '* The contents of this file are subject to the terms * of the Common Development and Distribution License * (the "License"). You may not use this file except * Copyright 1997-2005 Sun Microsystems, Inc. All Rights Reserved.'

1.113 libtasn 4.13 3.el8

1.113.1 Available under license:

@c The GNU Free Documentation License.
@c Version 1.3, 3 November 2008

@c This file is intended to be included within another document, @c hence no sectioning command or @node.

@c This file is intended to be included within another document, @c hence no sectioning command or @node.

@display
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document free in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondly, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of ``copyleft'', which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The ``Document'', below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as ``you''. You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A ``Modified Version'' of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.
A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, La@TeX{} input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG@. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for
output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History".) To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the
Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

- Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section
of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at
least four years before the Document itself, or if the original
publisher of the version it refers to gives permission.

@item
For any section Entitled "Acknowledgements" or "Dedications", Preserve
the Title of the section, and preserve in the section all the
substance and tone of each of the contributor acknowledgements and/or
dedications given therein.

@item
Preserve all the Invariant Sections of the Document,
unaltered in their text and in their titles. Section numbers
or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled "Endorsements". Such a section
may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled "Endorsements" or
to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or
appendices that qualify as Secondary Sections and contain no material
copied from the Document, you may at your option designate some or all
of these sections as invariant. To do this, add their titles to the
list of Invariant Sections in the Modified Version's license notice.
These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains
nothing but endorsements of your Modified Version by various
parties---for example, statements of peer review or that the text has
been approved by an organization as the authoritative definition of a
standard.

You may add a passage of up to five words as a Front-Cover Text, and a
passage of up to 25 words as a Back-Cover Text, to the end of the list
of Cover Texts in the Modified Version. Only one passage of
Front-Cover Text and one of Back-Cover Text may be added by (or
through arrangements made by) any one entity. If the Document already
includes a cover text for the same cover, previously added by you or
by arrangement made by the same entity you are acting on behalf of,
you may not add another; but you may replace the old one, on explicit
permission from the previous publisher that added the old one.
The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled ``History'' in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate
and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally
terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License ``or any later version'' applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RELICENSING

``Massive Multiauthor Collaboration Site'' (or ``MMC Site'') means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A ``Massive Multiauthor Collaboration'' (or ``MMC'') contained in the site means any set of copyrightable works thus published on the MMC
``CC-BY-SA'' means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate'' means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is `eligible for relicensing’ if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page

@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled ``GNU Free Documentation License''.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ``with@dots{}Texts.''@: line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with
@end group
@end smallexample

Open Source Used In CSPC_Collector 2.9.1 1083
the Front-Cover Texts being @var{list}, and with the Back-Cover Texts
being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other
combination of the three, merge those two alternatives to suit the
situation.

If your document contains nontrivial examples of program code, we
recommend releasing these examples in parallel under your choice of
free software license, such as the GNU General Public License,
to permit their use in free software.

@c Local Variables:
c ispell-local-pdict: "ispell-dict"
c End:
GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL.  It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it.  By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it.  You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price.  Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the
library, and (2) we offer you this license, which gives you legal
permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that
there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know
that what they have is not the original version, so that the original
author's reputation will not be affected by problems that might be
introduced by others.

Finally, software patents pose a constant threat to the existence of
any free program. We wish to make sure that a company cannot
effectively restrict the users of a free program by obtaining a
restrictive license from a patent holder. Therefore, we insist that
any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the
ordinary GNU General Public License. This license, the GNU Lesser
General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License. We use
this license for certain libraries in order to permit linking those
libraries into non-free programs.

When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the
entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with
the library.
We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.
This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble
The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we
stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2)
tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The ”source code” for a work means the preferred form of the work for making modifications to it. ”Object code” means any non-source form of a work.

A ”Standard Interface” means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The ”System Libraries” of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A ”Major Component”, in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The ”Corresponding Source” for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.
2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License,
in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this
License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or
modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and
propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may
otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any
author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.
1.114.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.
We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.
In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library’s complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work
      based on the Library, uncombined with any other library
      facilities. This must be distributed under the terms of the
     Sections above.

   b) Give prominent notice with the combined library of the fact
      that part of it is a work based on the Library, and explaining
      where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.
This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

BSD 2-Clause License

Copyright (c) 2014, Red Hat, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year  name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.115 jsp 2.3.FR

1.115.1 Available under license:

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)
Version 1.0

* 

1. Definitions.

1.1. ?Contributor? means each individual or entity that creates or contributes to the creation of Modifications.

1.2. ?Contributor Version? means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. ?Covered Software? means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. ?Executable? means the Covered Software in any form other than Source Code.

1.5. ?Initial Developer? means the individual or entity that first makes Original Software available under this License.

1.6. ?Larger Work? means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. ?License? means this document.

1.8. ?Licensable? means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. ?Modifications? means the Source Code and Executable form of any of the following:
A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. ?Original Software? means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. ?Patent Claims? means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. ?Source Code? means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. ?You? (or ?Your?) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, ?You? includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, ?control? means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).
(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You
distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable
form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a
medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You
represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to
grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the
Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered
Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial
Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts
the applicable version of this License or the recipients? rights hereunder. You may choose to offer, and to charge a
fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software.
However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor.
You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by
You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred
by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the
terms of a license of Your choice, which may contain terms different from this License, provided that You are in
compliance with the terms of this License and that the license for the Executable form does not attempt to limit or
alter the recipient?s rights in the Source Code form from the rights set forth in this License. If You distribute the
Covered Software in Executable form under a different license, You must make it absolutely clear that any terms
which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby
agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or
such Contributor as a result of any such terms You offer.


You may create a Larger Work by combining Covered Software with other code not governed by the terms of
this License and distribute the Larger Work as a single product. In such a case, You must make sure the
requirements of this License are fulfilled for the Covered Software.
*

4. Versions of the License.

4.1. New Versions.

Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.
*

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.
*

6. TERMINATION.

0
6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as ?Participant?) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a ?commercial item,? as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of ?commercial computer software? (as that term is defined at 48 C.F.R. ? 252.227-7014(a)(1)) and ?commercial computer software documentation? as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.
9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction’s conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys’ fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

*  

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

1.116 axiom 1.2.15

1.116.1 Available under license:

Apache Axiom

Copyright 2004-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."
"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.117 perl-thread-queue 3.13-1.el8

1.117.1 Available under license:

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/cola/permits/1137994296_1614192680.16/0/perl-Thread-Queue-3.13-1.el8-1.src.rpm-cosi-expand-archive-kcqQwJN/perl-Thread-Queue.spec
No license file was found, but licenses were detected in source scan.

=head1 NAME

Thread::Queue - Thread-safe queues

=head1 VERSION

This document describes Thread::Queue version 3.13

=head1 SYNOPTION

use strict;
use warnings;

use threads;
use Thread::Queue;

my $q = Thread::Queue->new();  # A new empty queue

# Worker thread
my $thr = threads->create(
    sub {
        # Thread will loop until no more work
        while (defined(my $item = $q->dequeue())) {
            # Do work on $item
            ...
        }
    }
);

# Send work to the thread
$q->enqueue($item1, ...);
# Signal that there is no more work to be sent
$q->end();
# Join up with the thread when it finishes
$thr->join;
# Count of items in the queue
my $left = $q->pending();

# Non-blocking dequeue
if (defined(my $item = $q->dequeue_nb())) {
    # Work on $item
}

# Blocking dequeue with 5-second timeout
if (defined(my $item = $q->dequeue_timed(5))) {
    # Work on $item
}

# Set a size for a queue
$q->limit = 5;

# Get the second item in the queue without dequeuing anything
my $item = $q->peek(1);

# Insert two items into the queue just behind the head
$q->insert(1, $item1, $item2);

# Extract the last two items on the queue
my ($item1, $item2) = $q->extract(-2, 2);

=head1 DESCRIPTION

This module provides thread-safe FIFO queues that can be accessed safely by
any number of threads.

Any data types supported by L<threads::shared> can be passed via queues:

=over

=item Ordinary scalars

=item Array refs

=item Hash refs

=item Scalar refs

=item Objects based on the above

=back
Ordinary scalars are added to queues as they are.

If not already thread-shared, the other complex data types will be cloned (recursively, if needed, and including any \texttt{C<bless>}ings and read-only settings) into thread-shared structures before being placed onto a queue.

For example, the following would cause \texttt{L<Thread::Queue>} to create a empty, shared array reference via \texttt{C<&shared([])>}, copy the elements 'foo', 'bar' and 'baz' from \texttt{C<@ary>} into it, and then place that shared reference onto the queue:

\begin{verbatim}
my @ary = qw/foo bar baz/;
$q->enqueue(@ary);
\end{verbatim}

However, for the following, the items are already shared, so their references are added directly to the queue, and no cloning takes place:

\begin{verbatim}
my @ary :shared = qw/foo bar baz/;
$q->enqueue(@ary);
\end{verbatim}

\begin{verbatim}
my $obj = &shared({});
$obj{'foo'} = 'bar';
$obj{'qux'} = 99;
bless($obj, 'My::Class');
$q->enqueue($obj);
\end{verbatim}

See \texttt{L</"LIMITATIONS">} for caveats related to passing objects via queues.

=head1 QUEUE CREATION

=over

=item ->new() Creates a new empty queue.

=item ->new(LIST) Creates a new queue pre-populated with the provided list of items.

=back

=head1 BASIC METHODS

The following methods deal with queues on a FIFO basis.

=over
=item ->enqueue(LIST)

Adds a list of items onto the end of the queue.

=item ->dequeue()

=item ->dequeue(COUNT)

Removes the requested number of items (default is 1) from the head of the queue, and returns them. If the queue contains fewer than the requested number of items, then the thread will be blocked until the requisite number of items are available (i.e., until other threads C<enqueue> more items).

=item ->dequeue_nb()

=item ->dequeue_nb(COUNT)

Removes the requested number of items (default is 1) from the head of the queue, and returns them. If the queue contains fewer than the requested number of items, then it immediately (i.e., non-blocking) returns whatever items there are on the queue. If the queue is empty, then C<undef> is returned.

=item ->dequeue_timed(TIMEOUT)

=item ->dequeue_timed(TIMEOUT, COUNT)

Removes the requested number of items (default is 1) from the head of the queue, and returns them. If the queue contains fewer than the requested number of items, then the thread will be blocked until the requisite number of items are available, or until the timeout is reached. If the timeout is reached, it returns whatever items there are on the queue, or C<undef> if the queue is empty.

The timeout may be a number of seconds relative to the current time (e.g., 5 seconds from when the call is made), or may be an absolute timeout in I<epoch> seconds the same as would be used with L<cond_timedwait()threads::shared/"cond_timedwait VARIABLE, ABS_TIMEOUT">. Fractional seconds (e.g., 2.5 seconds) are also supported (to the extent of the underlying implementation).

If C<TIMEOUT> is missing, C<undef>, or less than or equal to 0, then this call behaves the same as C<dequeue_nb>.

=item ->pending()

Returns the number of items still in the queue. Returns C<undef> if the queue
has been ended (see below), and there are no more items in the queue.

=item ->limit

Sets the size of the queue. If set, calls to C<enqueue()> will block until the number of pending items in the queue drops below the C<limit>. The C<limit> does not prevent enqueuing items beyond that count:

my $q = Thread::Queue->new(1, 2);
$q->limit = 4;
$q->enqueue(3, 4, 5);  # Does not block
$q->enqueue(6);        # Blocks until at least 2 items are
dqueued
my $size = $q->limit;  # Returns the current limit (may return
    # 'undef')
$q->limit = 0;         # Queue size is now unlimited

Calling any of the dequeue methods with C<COUNT> greater than a queue's
C<limit> will generate an error.

=item ->end()

Declares that no more items will be added to the queue.

All threads blocking on C<dequeue()> calls will be unblocked with any
remaining items in the queue and/or C<undef> being returned. Any subsequent
calls to C<dequeue()> will behave like C<dequeue_nb()>.

Once ended, no more items may be placed in the queue.

=back

=head1 ADVANCED METHODS

The following methods can be used to manipulate items anywhere in a queue.

To prevent the contents of a queue from being modified by another thread
while it is being examined and/or changed, L<lock|threads::shared/"lock
VARIABLE"> the queue inside a local block:

{
    lock($q);  # Keep other threads from changing the queue's contents
    my $item = $q->peek();
    if ($item ...) {
        ...
    }
}  # Queue is now unlocked
=over

=item ->peek()

=item ->peek(INDEX)

Returns an item from the queue without dequeuing anything. Defaults to the the head of queue (at index position 0) if no index is specified. Negative index values are supported as with L<arrays|perldata/"Subscripts"> (i.e., -1 is the end of the queue, -2 is next to last, and so on).

If no items exists at the specified index (i.e., the queue is empty, or the index is beyond the number of items on the queue), then C<undef> is returned.

Remember, the returned item is not removed from the queue, so manipulating a C<peek>ed at reference affects the item on the queue.

=item ->insert(INDEX, LIST)

Adds the list of items to the queue at the specified index position (0 is the head of the list). Any existing items at and beyond that position are pushed back past the newly added items:

```perl
$q->enqueue(1, 2, 3, 4);
$q->insert(1, qw/foo bar/);
# Queue now contains: 1, foo, bar, 2, 3, 4
```

Specifying an index position greater than the number of items in the queue just adds the list to the end.

Negative index positions are supported:

```perl
$q->enqueue(1, 2, 3, 4);
$q->insert(-2, qw/foo bar/);
# Queue now contains: 1, 2, foo, bar, 3, 4
```

Specifying a negative index position greater than the number of items in the queue adds the list to the head of the queue.

=item ->extract()

=item ->extract(INDEX)

=item ->extract(INDEX, COUNT)

Removes and returns the specified number of items (defaults to 1) from the specified index position in the queue (0 is the head of the queue). When
called with no arguments, C<extract> operates the same as C<dequeue_nb>.

This method is non-blocking, and will return only as many items as are available to fulfill the request:

$q->enqueue(1, 2, 3, 4);
my $item = $q->extract(2)  # Returns 3
    # Queue now contains: 1, 2, 4
my @items = $q->extract(1, 3)  # Returns (2, 4)
    # Queue now contains: 1

Specifying an index position greater than the number of items in the queue results in C<undef> or an empty list being returned.

$q->enqueue('foo');
my $nada = $q->extract(3)  # Returns undef
my @nada = $q->extract(1, 3)  # Returns ()

Negative index positions are supported. Specifying a negative index position greater than the number of items in the queue may return items from the head of the queue (similar to C<dequeue_nb>) if the count overlaps the head of the queue from the specified position (i.e. if queue size + index + count is greater than zero):

$q->enqueue(qw/foo bar baz/);
my @nada = $q->extract(-6, 2);  # Returns ()  - (3+(-6)+2) <= 0
my @some = $q->extract(-6, 4);  # Returns (foo)  - (3+(-6)+4) > 0
    # Queue now contains: bar, baz
my @rest = $q->extract(-3, 4);  # Returns (bar, baz)  -
    #                   (2+(-3)+4) > 0

=head1 NOTES

Queues created by L<Thread::Queue> can be used in both threaded and non-threaded applications.

=head1 LIMITATIONS

Passing objects on queues may not work if the objects' classes do not support sharing. See L<threads::shared/"BUGS AND LIMITATIONS"> for more.

Passing array/hash refs that contain objects may not work for Perl prior to 5.10.0.

=head1 SEE ALSO
Thread::Queue on MetaCPAN:
L<https://metacpan.org/release/Thread-Queue>

Code repository for CPAN distribution:
L<https://github.com/Dual-Life/Thread-Queue>

L<threads>, L<threads::shared>

Sample code in the I<examples> directory of this distribution on CPAN.

=head1 MAINTAINER

Jerry D. Hedden, S<E<lt>jdhedden AT cpan DOT orgE<gt>>

=head1 LICENSE

This program is free software; you can redistribute it and/or modify it under
the same terms as Perl itself.

=cut

Found in path(s):
No license file was found, but licenses were detected in source scan.

---
abstract: 'Thread-safe queues'
author:
- ‘Jerry D. Hedden <jdhedden AT cpan DOT org>’
build_requires:
  ExtUtils::MakeMaker: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: Thread-Queue
no_index:
directory:
  - t
  - inc
requires:
  Scalar::Util: '1.1'
  Test::More: '0.5'
Thread::Semaphore: '0'
threads::shared: '1.21'
version: '3.13'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):
* /opt/cola/permits/1137994296_1614192680.16/0/perl-Thread-Queue-3.13-1.el8-1.src.rpm-cosi-expand-archive-
  kcQwIjN/Thread-Queue-3.13.tar.gz-cosi-expand-archive-MK9aJFVk/Thread-Queue-3.13/META.yml

1.118 procps 3.3.15 1.el8
1.118.1 Available under license :

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY

Open Source Used In CSPC_Collector 2.9.1 1151
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We
concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:
a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.
You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.119 eclipse-persistence-core 2.6.4
1.119.1 Available under license :

/******************************************************************************
* Copyright (c) 1998, 2013 Oracle and/or its affiliates. All rights reserved.
* This program and the accompanying materials are made available under the
* terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0
* which accompanies this distribution.
* and the Eclipse Distribution License is available at
* Contributors:
* Oracle - initial API and implementation from Oracle TopLink
******************************************************************************/
package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.descriptors.PersistenceObject;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.sessions.*;

/**
 * <p><b>Purpose</b>: This is the default copy policy when weaving is used.
 * It creates a copy by creating a shallow clone of the object using the weaved _persistence_shallow_clone() method.
 */
public class PersistenceEntityCopyPolicy extends AbstractCopyPolicy {
    public PersistenceEntityCopyPolicy() {

```java
    // Code snippet starts here
```
```java
    // Code snippet ends here
```
super();
}

public Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException {
    return ((PersistenceObject)object)._persistence_shallow_clone();
}

public Object buildClone(Object object, Session session) throws DescriptorException {
    return ((PersistenceObject)object)._persistence_shallow_clone();
}

public boolean buildsNewInstance() {
    return false;
}

public String toString() {
    return Helper.getShortClassName(this) + "()";
}
}

/*******************************************************************************
* Copyright (c) 1998, 2014 Oracle and/or its affiliates. All rights reserved.
* This program and the accompanying materials are made available under the
* terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0
* which accompanies this distribution.
* and the Eclipse Distribution License is available at
* Contributors:
* Oracle - initial API and implementation from Oracle TopLink
******************************************************************************/

package org.eclipse.persistence.descriptors.copying;

import java.lang.reflect.*;
import java.security.AccessController;
import java.security.PrivilegedActionException;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.queries.ObjectBuildingQuery;
import org.eclipse.persistence.sessions.*;
import org.eclipse.persistence.internal.descriptors.ObjectBuilder;
import org.eclipse.persistence.internal.security.PrivilegedAccessHelper;
import org.eclipse.persistence.internal.security.PrivilegedMethodInvoker;

/**
* <p><b>Purpose</b>: Allows a clone of an object to be created with a method that returns
the cloned object.

* It is possible to define methods for two types of clones

* 1. methodName can be set to define the method EclipseLink uses to clone objects for its
   own internal use. The objects created by this method will not be visible to the user, and
   instead used as a basis for comparison when a DeferredChangeDetectionPolicy used. This method will
   also be in place of the workingCopyMethod if it is not provided

* 2. workingCopyMethod this method is used to create the clone that is returned to the user when an
   Object is registered in a UnitOfWork

*/

public class CloneCopyPolicy extends AbstractCopyPolicy {

    /** Allow for clone method to be specified. */
    protected String methodName;
    protected String workingCopyMethodName;
    protected transient Method method;
    protected transient Method workingCopyMethod;

    public CloneCopyPolicy() {
        super();
    }

    /**
     * Clone through calling the clone method.
     */
    public Object buildClone(Object domainObject, Session session) throws DescriptorException {
        // Must allow for null clone method for 9.0.4 deployment XML.
        if (this.getMethodName() == null) {
            return getDescriptor().getObjectBuilder().buildNewInstance();
        } try {
            if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()) {
                try {
                    return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getMethod(), domainObject,
                    new Object[0]));
                } catch (PrivilegedActionException exception) {
                    Exception throwableException = exception.getException();
                    if (throwableException instanceof IllegalAccessException) {
                        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                        this.getDescriptor(), throwableException);
                    } else {
                        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                        this.getDescriptor(), throwableException);
                    }
                }
            }
            return getDescriptor().getObjectBuilder().buildNewInstance();
        }
    }

```
} else {
    return PrivilegedAccessHelper.invokeMethod(this.getMethod(), domainObject, new Object[0]);
}
}

try {
    if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()){
        try {
            return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getWorkingCopyMethod(),
                domainObject, new Object[0]));
        } catch (PrivilegedActionException exception) {
            Exception throwableException = exception.getException();
            if (throwableException instanceof IllegalAccessException) {
                throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                    this.getDescriptor(), throwableException);
            } else {
                throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                    this.getDescriptor(), throwableException);
            }
        }
    }
    return PrivilegedAccessHelper.invokeMethod(this.getWorkingCopyMethod(), domainObject, new Object[0]);
}

} catch (IllegalAccessException exception) {
    throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
        this.getDescriptor(), exception);
} catch (InvocationTargetException exception) {
    throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
        this.getDescriptor(), exception);
}

/**
 * Clone through the workingCopyClone method, or if not specified the clone method.
 */
public Object buildWorkingCopyClone(Object domainObject, Session session) throws DescriptorException {
    try {
        if (this.getWorkingCopyMethodName() == null) {
            //not implemented to perform special operations.
            return this.buildClone(domainObject, session);
        }
        try {
            if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()){
                try {
                    return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getWorkingCopyMethod(),
                        domainObject, new Object[0]));
                } catch (PrivilegedActionException exception) {
                    Exception throwableException = exception.getException();
                    if (throwableException instanceof IllegalAccessException) {
                        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                            this.getDescriptor(), throwableException);
                    } else {
                        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                            this.getDescriptor(), throwableException);
                    }
                }
            }
            return PrivilegedAccessHelper.invokeMethod(this.getWorkingCopyMethod(), domainObject, new Object[0]);
        } catch (IllegalAccessException exception) {
            throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
        } catch (InvocationTargetException exception) {
            throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
        }
    }
    return PrivilegedAccessHelper.invokeMethod(this.getWorkingCopyMethod(), domainObject, new Object[0]);
}
/**
 * Create a new instance, unless a workingCopyClone method is specified, then build a new instance and clone it.
 */
@Override
public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
UnitOfWork uow) throws DescriptorException {
    // For now must preserve CMP code which builds heavy clones with a context.
    // Also preserve for clients who use the copy policy.
    ObjectBuilder builder = getDescriptor().getObjectBuilder();
    if (getWorkingCopyMethodName() != null) {
        Object original = builder.buildNewInstance();
        builder.buildAttributesIntoShallowObject(original, (AbstractRecord)row, query);
        return buildWorkingCopyClone(original, query.getSession());
    } else {
        return builder.buildNewInstance();
    }
}

/**
 * Return the clone method.
 */
protected Method getMethod() {
    return method;
}

/**
 * Return the clone method name.
 */
public String getMethodName() {
    return methodName;
}

/**
 * Return the workingCopyClone method.
 * This is used to clone within a unit of work.
 */
protected Method getWorkingCopyMethod() {
    return workingCopyMethod;
}

/**
 * Return the workingCopyClone method name.
 * This is used to clone within a unit of work.
 */
public String getWorkingCopyMethodName() {
    return workingCopyMethodName;
}
```java
/**
 * Validate and build the methods.
 */
public void initialize(Session session) throws DescriptorException {
    final Class javaClass = this.getDescriptor().getJavaClass();
    try {
        // Must allow for null clone method for 9.0.4 deployment XML.
        if (this.getMethodName() != null) {
            this.setMethod(Helper.getDeclaredMethod(javaClass, this.getMethodName(), new Class[0]));
        }
    } catch (NoSuchMethodException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
    } catch (SecurityException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
    }
    if (this.getWorkingCopyMethodName() != null) {
        try {
            this.setWorkingCopyMethod(Helper.getDeclaredMethod(javaClass, this.getWorkingCopyMethodName(), new Class[0]));
        } catch (NoSuchMethodException exception) {
            session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
        } catch (SecurityException exception) {
            session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
        }
    }
}

/**
 * Set the clone method.
 */
protected void setMethod(Method method) {
    this.method = method;
}

/**
 * Set the clone method name.
 */
public void setMethodName(String methodName) {
    this.methodName = methodName;
}
```
protected void setWorkingCopyMethod(Method method) {
    this.workingCopyMethod = method;
}

/**
 * Set the workingCopyClone method name.
 * This is used to clone within a unit of work.
 */
public void setWorkingCopyMethodName(String methodName) {
    this.workingCopyMethodName = methodName;
}

/**
 * Return false as a shallow clone is returned, not a new instance.
 */
public boolean buildsNewInstance() {
    return getMethodName() == null;
}

public String toString() {
    return Helper.getShortClassName(this) + "\"(" + this.getMethodName() + ")\";``
}
</html>

<head>
<title>Eclipse License</title>
</head>

<body>
<div class=Section0>
<p align=center style='text-align:center'><b>License</b></p>
<p>The Eclipse Foundation makes available all content in this plug-in ("Content"). Unless otherwise indicated below, the Content is provided to you under the terms and conditions of the <a href="#EPL">Eclipse Public License Version 1.0 ("EPL")</a> and <a href="#EDL">Eclipse Distribution License Version 1.0 (EDL)</a>. For purposes of the EPL, "Program" will mean the Content. </p>
<p>If you did not receive this Content directly from the Eclipse Foundation, the Content is being redistributed by another party ("Redistributor") and different terms and conditions may apply to your use of any object code in the Content. Check the Redistributors license that was provided with the Content. If no such license exists, contact the Redistributor. Unless otherwise indicated below, the terms and conditions of the EPL and EDL still apply to any source code in the Content and such source code may be obtained at <a href="http://www.eclipse.org">http://www.eclipse.org</a>.</p>
</div>
</body>
THE ACCOMPANYING PROGRAM IS PROVIDED UNDER
THE TERMS OF THIS ECLIPSE PUBLIC LICENSE (&quot;AGREEMENT&quot;). ANY USE,
REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE
OF THIS AGREEMENT.

1. DEFINITIONS

&quot;Contribution&quot; means:

a) in the case of the initial Contributor, the initial code and documentation
distributed under this Agreement, and
b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where
such changes and/or additions to the Program originate from and are distributed
by that particular Contributor. A Contribution 'originates' from a Contributor
if it was added to the Program by such Contributor itself or anyone acting on
such Contributor's behalf. Contributions do not include additions to the
Program which: (i) are separate modules of software distributed in conjunction
with the Program under their own license agreement, and (ii) are not derivative
works of the Program.

&quot;Contributor&quot; means any person or
entity that distributes the Program.

&quot;Licensed Patents&quot; mean patent
claims licensable by a Contributor which are necessarily infringed by the use
or sale of its Contribution alone or when combined with the Program.

&quot;Program&quot; means the Contributions
distributed in accordance with this Agreement.

&quot;Recipient&quot; means anyone who
receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS
a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient’s responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:
(i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose; 

(ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

(iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

(iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

(a) it must be made available under this Agreement; and

(b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and
costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense. </p>

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages. </p>

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations. </p>

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. </p>

7. GENERAL
If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.
Copyright (c) 2007, Eclipse Foundation, Inc. and its licensors.

All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the Eclipse Foundation, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

This software is provided by the copyright holders and contributors "AS IS" and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall the copyright owner or contributors be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this software, even if advised of the possibility of such damage.
package org.eclipse.persistence.descriptors.copying;

import java.io.*;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.queries.ObjectBuildingQuery;
import org.eclipse.persistence.sessions.*;

/**
 * <p><b>Purpose</b>: Allows customization of how an object is cloned.
 * An implementer of CopyPolicy can be set on a descriptor to provide
 * special cloning routine for how an object is cloned in a unit of work.
 * 
 * By default the InstantiationCopyPolicy is used which creates a new instance of
 * the class to be copied into.
 * 
 * The CloneCopyPolicy can also be used that uses a clone method in the object
 * to clone the object. When a clone method is used it avoid the requirement of having to
 * copy over each of the direct attributes.
 * 
 * @see org.eclipse.persistence.descriptors.copying.CloneCopyPolicy
 * @see org.eclipse.persistence.descriptors.copying.InstantiationCopyPolicy
 */
public interface CopyPolicy extends Cloneable, Serializable {

    /**
     * Return a shallow clone of the object for usage with object copying, or unit of work backup cloning.
     */
    Object buildClone(Object object, Session session) throws DescriptorException;

    /**
     * Return a shallow clone of the object for usage with the unit of work working copy.
     */
    Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException;

    /**
     * Return an instance with the primary key set from the row, used for building a working copy during a unit of
     * work transactional read.
     */
    Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
           UnitOfWork uow) throws DescriptorException;

    /**
     * Clone the CopyPolicy.
     */
    Object clone();
*/
* Allow for any initialization or validation required.
* /
void initialize(Session session) throws DescriptorException;

/**
 * Set the descriptor.
 * /
void setDescriptor(ClassDescriptor descriptor);

/**
 * Return if this copy policy creates a new instance, vs a clone.
 * /
boolean buildsNewInstance();
}
*******************************************************************************
* Copyright (c) 1998, 2013 Oracle and/or its affiliates. All rights reserved.
* This program and the accompanying materials are made available under the
* terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0
* which accompanies this distribution.
* and the Eclipse Distribution License is available at
*
* Contributors:
* Oracle - initial API and implementation from Oracle TopLink
*******************************************************************************
package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.sessions.*;

/**
 * <p><b>Purpose</b>: This is the default copy policy.
 * 
 * It creates a copy by creating a new instance of the object and then using the
 * mappings specified for the object to populate the object.
 * */
public class InstantiationCopyPolicy extends AbstractCopyPolicy {
    public InstantiationCopyPolicy() {
        super();
    }

    public Object buildClone(Object domainObject, Session session) throws DescriptorException {
        return getDescriptor().getObjectBuilder().buildNewInstance();
    }
}
public boolean buildsNewInstance() {
    return true;
}

public String toString() {
    return Helper.getShortClassName(this) + "()";
}

-package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.sessions.**;
import org.eclipse.persistence.queries.ObjectBuildingQuery;

/**
 * <p><b>Purpose</b>: Allows customization of how an object is cloned.
 * This class defines common behavior that allows a subclass to be used
 * and set on a descriptor to provide a special cloning routine for how an object
 * is cloned in a unit of work.
 */
public abstract class AbstractCopyPolicy implements CopyPolicy {
    protected ClassDescriptor descriptor;

    public AbstractCopyPolicy() {
        super();
    }

    public abstract Object buildClone(Object domainObject, Session session) throws DescriptorException;

    /**
     * By default use the buildClone.
     */
    public Object buildWorkingCopyClone(Object domainObject, Session session) throws DescriptorException {
        return buildClone(domainObject, session);
/**
 * By default create a new instance.
 */
public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
UnitOfWork uow) throws DescriptorException {
    return this.descriptor.getObjectBuilder().buildNewInstance();
}

/**
 * INTERNAL:
 * Clones the CopyPolicy
 */
public Object clone() {
    try {
        // clones itself
        return super.clone();
    } catch (Exception exception) {
    }
    return null;
}

/**
 * Return the descriptor.
 */
protected ClassDescriptor getDescriptor() {
    return descriptor;
}

/**
 * Do nothing by default.
 */
public void initialize(Session session) throws DescriptorException {
    // Do nothing by default.
}

/**
 * Set the descriptor.
 */
public void setDescriptor(ClassDescriptor descriptor) {
    this.descriptor = descriptor;
}
1.120 perl-uri 1.73-3.el8

1.120.1 Available under license:

This software is copyright (c) 1998 by Gisle Aas.

This is free software; you can redistribute it and/or modify it under
the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free
   Software Foundation; either version 1, or (at your option) any
   later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 1998 by Gisle Aas.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users
at the mercy of those companies. By contrast, our General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. The
General Public License applies to the Free Software Foundation's
software and to any other program whose authors commit to using it.
You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not
price. Specifically, the General Public License is designed to make
sure that you have the freedom to give away or sell copies of free
software, that you receive source code or can get it if you want it,
that you can change the software or use pieces of it in new free
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph
I above, provided that you also do the following:

a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)
Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.
You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the
commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your
program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 1998 by Gisle Aas.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble
The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate
manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End
1.121 asm 3.3.1

1.121.1 Available under license:

No license file was found, but licenses were detected in source scan.

/***
 * ASM: a very small and fast Java bytecode manipulation framework
 * Copyright (c) 2000-2007 INRIA, France Telecom
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
 * documentation and/or other materials provided with the distribution.
 * 3. Neither the name of the copyright holders nor the names of its
 * contributors may be used to endorse or promote products derived from
 * this software without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
 * AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
 * LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
 * CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
 * SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
 * INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
 * CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
 * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
 * THE POSSIBILITY OF SUCH DAMAGE.
 */

Found in path(s):
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4.jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4.jar/org/objectweb/asm/MethodWriter.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4.jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4.jar/org/objectweb/asm/tree/LabelNode.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4.jar/org/objectweb/asm/FieldWriter.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4.jar/org/objectweb/asm/util/CheckSignatureAdapter.java
Open Source Used In CSPC_Collector 2.9.1 1190
No license file was found, but licenses were detected in source scan.

ASM XML Adapter
Copyright (c) 2004, Eugene Kuleshov
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
DESCRIPTION OF THE SOFTWARE:

/**
 * ASM: a very small and fast Java bytecode manipulation framework
 * Copyright (c) 2000-2005 INRIA, France Telecom
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
 * 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
 * 3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */

No license file was found, but licenses were detected in source scan.
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its
*    contributors may be used to endorse or promote products derived from
*    this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.

Found in path(s):
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-
  jar/org/objectweb/asm/xml/package.html
No license file was found, but licenses were detected in source scan.

/***
* ASM XML Adapter
* Copyright (c) 2004, Eugene Kuleshov
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its
*    contributors may be used to endorse or promote products derived from
*    this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.
*/

Found in path(s):
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/xml/SAXFieldAdapter.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/xml/SAXAdapter.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/xml/ASMContentHandler.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/xml/Processor.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java

No license file was found, but licenses were detected in source scan.

2005 INRIA, France Telecom
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its
*    contributors may be used to endorse or promote products derived from
*    this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.

Found in path(s):
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/package.html
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/tree/analysis/package.html
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/tree/package.html
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/signature/package.html
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/util/package.html
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/attrs/package.html
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/commons/package.html

No license file was found, but licenses were detected in source scan.

/**
 * ASM: a very small and fast Java bytecode manipulation framework
 * Copyright (c) 2000-2007 INRIA, France Telecom
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 * 3. Neither the name of the copyright holders nor the names of its
 *    contributors may be used to endorse or promote products derived from
 *    this software without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
 * AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
 * LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
 * CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
 * SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
 * INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
 * CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
 * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
1.122 persistence-core 2.6.4.v20160829-44060b6

1.122.1 Available under license:

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 2013, 2016 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 1998, 2013 Oracle, IBM Corporation and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 2011, 2013 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0, which accompanies this distribution' 

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 1998, 2015 Oracle and/or its affiliates, Frank Schwarz. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 2015 Oracle and/or its affiliates. All rights reserved. This * program and the accompanying materials are made available under the terms of * the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 which * accompanies this distribution. The Eclipse Public License is available at'

Found license 'Eclipse Public License 1.0' in '<p align=center style='text-align:center'><a name="EPL"><b>Eclipse Public License - v 1.0</b></a> THE TERMS OF THIS ECLIPSE PUBLIC LICENSE (\&quot;AGREEMENT\&quot;) ANY USE, distributed under this Agreement, and<br> Subject to the terms of this Agreement, each Contributor hereby grants Recipient Subject to the terms of this Agreement, each Contributor hereby grants MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely<br> <p align=center style='text-align:center'><a name="EDL"><b>Eclipse Distribution License Version 1.0</b></a> Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or <li>Neither the name of the Eclipse Foundation, Inc. nor the names of its software without specific prior written permission.<li>/<ul>

This program and the accompanying materials are made available under the * terms of the Eclipse Public License
v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 1998, 2014 Oracle, IBM Corporation and/or its
affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms
of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c)2015 IBM Corporation. All rights reserved. * This
program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0
and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-
v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 2009 SAP. All rights reserved. * This program and the
accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse
Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html *
and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 2011, 2014 Jenzabar, Inc, Oracle and/or its affiliates.
All rights reserved. * This program and the accompanying materials are made available under the * terms of the
Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 1998, 2014 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 2006, 2013 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 2006, 2014 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright 2005 Sun Microsystems, Inc. All rights reserved. * This
program and the accompanying materials are made available under the terms of the Eclipse Public License v1.0
and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-
v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 1998, 2015 Oracle and/or its affiliates. All rights reserved. # This program and the accompanying materials are made available under the # terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 # The Eclipse Public License is
available at http://www.eclipse.org/legal/epl-v10.html # and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 2011, 2014 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in "* IBM Corporation. All rights reserved. This program and the accompanying materials are made available * under the terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 2011, 2014 Markus Karg, SAP, Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 2015 IBM Corporation, Oracle. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 2015 Oracle. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 2013, 2014 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 2011 Oracle. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 2011 Oracle. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 2011 Oracle. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in "Copyright (c) 1998, 2010 Oracle. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html and the Eclipse Distribution License is available at'

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 2012, 2015 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in "* Copyright (c) 1998, 2013 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at * EclipseLink. This can also be used to convert a proprietary adapter record'
Open Source Used In CSPC_Collector 2.9.1

1200

Found license 'Eclipse Public License 1.0' in

* Copyright (c) 1998, 2016 Oracle and/or its affiliates, IBM Corporation. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in

* Copyright (c) 2014, 2015 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 which * accompanies this distribution. The Eclipse Public License is available at

Found license 'Eclipse Public License 1.0' in

* Copyright (c) 2015, 2016 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in

* Copyright (c) 2014, 2015 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in

* Copyright (c) 2015, 2016 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in

* Copyright (c) 2014 IBM Corporation. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in

* Copyright (c) 2012, 2014 Oracle and/or its affiliates, IBM Corporation. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

Found license 'Eclipse Public License 1.0' in

* Copyright (c) 1998, 2016 Oracle and/or its affiliates, IBM Corporation. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at

private static final

String CopyrightString = "Copyright (c) 1998, 2014 Oracle. All rights reserved."

;
available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at’
Found license 'Eclipse Public License 1.0' in '/* Copyright (c) 1998, 2015 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '/* Copyright (c) 2006, 2015 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '/* Copyright (c) 2012, 2014 SAP, Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '/* Copyright (c) 2010, 2013 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '/* Copyright (c) 1998, 2015 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '/* Copyright (c) 1998, 2015 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '/* Copyright (c) 2012, 2014 SAP, Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '/* Copyright (c) 2010, 2013 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '/* Copyright (c) 1998, 2015 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '/* Copyright (c) 2012, 2013, 2013 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '/* Copyright (c) 2012, 2013, 2013 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 2012, 2014 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 1998, 2013 Oracle, Sei Syvalta. All rights reserved. *
This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 2013, 2015 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 2013, 2015 IBM Corporation. All rights reserved. * This
program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0
and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 2013, 2015 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public
License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in 'and conditions of the Eclipse Public License Version 1.0
(&quot;EPL&quot;) and <p>Copyright (c) 2000-2005 INRIA, France Telecom, All rights reserved.</p>
Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 
Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation 
Neither the name of the copyright holders nor the names of its contributors Data Objects (SDO) API</a> is distributed under a <a href="http://glassfish.dev.java.net/public/CDDLv1.0.html"> CDDLv1.0 </a> and <a href="http://jcp.org/aboutJava/communityprocess/pr/jsr235/index.html">custom </a>
The JCA 1.5 API is distributed under <a href="http://glassfish.dev.java.net/public/CDDLv1.0.html"> the Xerces home page</a>. It is distributed under <a href="http://ant.apache.org/license.html">Apache </a> 2.0 license</a>. The source code is part of the
Apache Tomcat project<a> project</a>. It distributed under <a href="http://opensource.org/licenses/cpl1.0.php"> Apache Tomcat project</a> project<a>
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 2013, 2015 Oracle, IBM Corporation. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 2013 Oracle. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 2010, 2014 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 2012, 2014 Oracle and/or its affiliates. All rights
reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at
http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
1.123 derbylocale-it 10.14.2.0

1.123.1 Available under license:

===========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License,==
== Version 2.0, in this case for the Apache Derby distribution.==
== DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED==
== BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE.==
===========================================================================

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

===========================================================================
Portions of Derby were originally developed by International Business Machines Corporation and are licensed to the Apache Software Foundation under the "Software Grant and Corporate Contribution License Agreement", informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code with which this file is now or was at one time distributed and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

========================================================================= The portion of the functionTests under 'nist' was originally developed by the National Institute of Standards and Technology (NIST), an agency of the United States Department of Commerce, and adapted by International Business Machines Corporation in accordance with the NIST Software Acknowledgment and Redistribution document at http://www.itl.nist.gov/div897/ctg/sql_form.htm

========================================================================= The Derby build relies on source files supplied by the Apache Felix project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at The Apache Software Foundation (http://www.apache.org/). Licensed under the Apache License 2.0.

This product includes software developed at The OSGi Alliance (http://www.osgi.org/). Copyright (c) OSGi Alliance (2000, 2007). Licensed under the Apache License 2.0.
This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002, 2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
- Apache License 2.0
- BSD License

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects, including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license and
Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such
as the Unicode Character Database. See http://unicode.org/copyright.html for more
details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were
automatically generated with the moman/finenight FSA library, created by
Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0.
See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0
See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Cheking Package (jaspell): http://jaspell.sourceforge.net/
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
   analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
   analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
   http://snowball.tartarus.org/

The KStem stemmer in
   analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic, Persian, Romanian, Bulgarian, and Hindi analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
   analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:
   analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smarten) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz
or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST),
the copyright holders, disclaims all warranties with regard to this
software, including all implied warranties of merchantability and
fitness, in no event shall NAIST be liable for
any special, indirect or consequential damages or any damages
whatsoever resulting from loss of use, data or profits, whether in an
action of contract, negligence or other tortious action, arising out
of or in connection with the use or performance of this software.

A large portion of the dictionary entries
originate from ICOT Free Software. The following conditions for ICOT
Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its
original form or modified, to any third party or parties, PROVIDED
that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
on, or be attached to, the Program, which is distributed substantially
in the same form as set out herein and that such intended
distribution, if actually made, will neither violate or otherwise
contravene any of the laws and regulations of the countries having
jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the
research and development conducted during the project and is provided
to users as so produced on an experimental basis. Accordingly, the
program is provided without any warranty whatsoever, whether express,
implied, statutory or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality,
performance, merchantability and fitness for a particular purpose of
the program and the nonexistence of any infringement or violation of
any right of any third party.

Each user of the program will agree and understand, and be deemed to
have agreed and understood, that there is no warranty whatsoever for
the program and, accordingly, the entire risk arising from or
otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other
organization that participated in or was otherwise related to the
development of the program and their respective officials, directors,
officers and other employees shall be held liable for any and all
damages, including, without limitation, general, special, incidental
and consequential damages, arising out of or otherwise in connection
with the use or inability to use the program or any product, material
or result produced or otherwise obtained by using the program,
regardless of whether they have been advised of, or otherwise had
knowledge of, the possibility of such damages at any time during the
project or thereafter. Each user will be deemed to have agreed to the
foregoing by his or her commencement of use of the program. The term
"use" as used herein includes, but is not limited to, the use,
modification, copying and distribution of the program and the
production of secondary products from the program.

In the case where the program, whether in its original form or
modified, was distributed or delivered to or received by a user from
any person, organization or entity other than ICOT, unless it makes or
grants independently of ICOT any specific warranty to the user in
writing, such person, organization or entity, will also be exempted
from and not be held liable to the user for any such damages as noted
above as far as the program is concerned.

========================================================================

The Derby build relies on a jar file supplied by the JSON Simple
project, hosted at https://code.google.com/p/json-simple/.
The JSON simple jar file is licensed under the Apache 2.0 License.
No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.124 tiger-types 1.4
1.125 nghttp2 1.33.0 3.el8_2.1

1.125.1 Available under license:

The MIT License

Copyright (c) 2012, 2014, 2015, 2016 Tatsuhiro Tsujikawa
Copyright (c) 2012, 2014, 2015, 2016 nghttp2 contributors

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
LEGAL NOTICE INFORMATION

----------------------------------------

All the files in this distribution are covered under the MIT license
(see the file MITL) except some files mentioned below:
If not otherwise noted, the extensions in this package are licensed
under the following license.

Copyright (c) 2010 by the contributors (see AUTHORS file).
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

* Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.126 derbylocale-zh-cn 10.14.2.0
1.126.1 Available under license :

===========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License,
== Version 2.0, in this case for the Apache Derby distribution.
==
== DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED
== BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE.
==
===========================================================================

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

===========================================================================

Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
"Software Grant and Corporate Contribution License Agreement",
informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code
with which this file is now or was at one time distributed
and are placed here unaltered.
The portion of the functionTests under 'nist' was originally developed by the National Institute of Standards and Technology (NIST), an agency of the United States Department of Commerce, and adapted by International Business Machines Corporation in accordance with the NIST Software Acknowledgment and Redistribution document at http://www.itl.nist.gov/div897/ctg/sql_form.htm

The Derby build relies on source files supplied by the Apache Felix project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
- Apache License 2.0
- BSD License

=====================================================================

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects, including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0.
See http://code.google.com/p/google-code-prettify/
JUnit (junit-4.10) is licensed under the Common Public License v. 1.0
See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin
g Package (jaspell): http://jaspell.sourceforge.net/
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
http://snowball.tartarus.org/

The KStem stemmer in
analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic, Persian, Romanian, Bulgarian, and Hindi analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil,
and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================

Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================

mecab-ipadic-2.7.0-20070801 Notice

===========================================================================

Nara Institute of Science and Technology (NAIST),
the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and fitness, in no event shall NAIST be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortuous action, arising out of or in connection with the use or performance of this software.

A large portion of the dictionary entries originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the
Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/.
The JSON simple jar file is licensed under the Apache 2.0 License.
No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[[]]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.127 mailx 12.5 29.el8
1.127.1 Available under license :
/*
 * Copyright (c) 1980, 1993
 */

* The Regents of the University of California. All rights reserved.
* Copyright (c) 1996
* Christos Zoulas. All rights reserved.
* Copyright (c) 2000
* Gunnar Ritter. All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. All advertising materials mentioning features or use of this software
* must display the following acknowledgements:
*This product includes software developed by the University of
*California, Berkeley and its contributors.
*This product includes software developed by Christos Zoulas.
*This product includes software developed by Gunnar Ritter
*and his contributors.
* 4. Neither the name of the University nor the names of its contributors
* nor the name of Gunnar Ritter nor the names of his contributors
* may be used to endorse or promote products derived from this software
* without specific prior written permission.
* 
* THIS SOFTWARE IS PROVIDED ``AS IS'', AND ANY EXPRESS OR IMPLIED WARRANTIES,
* INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY
* AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL
* THE DEVELOPERS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT,
* INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

/*==========================================================================
*/
* For base64.c:
*
* Portions Copyright (c) 1991 Bell Communications Research, Inc. (Bellcore)
*
* Permission to use, copy, modify, and distribute this material
* for any purpose and without fee is hereby granted, provided
* that the above copyright notice and this permission notice
* appear in all copies, and that the name of Bellcore not be
* used in advertising or publicity pertaining to this
* material without the specific, prior written permission
* of an authorized representative of Bellcore.  BELLCORE
* MAKES NO REPRESENTATIONS ABOUT THE ACCURACY OR SUITABILITY
* OF THIS MATERIAL FOR ANY PURPOSE.  IT IS PROVIDED "AS IS",
* WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES.
*/

==========================================================================

The Institute of Electrical and Electronics Engineers and The Open Group,
have given us permission to reprint portions of their documentation.
In the following statement, the phrase ``this text'' refers to portions of the system documentation.

Portions of this text are reprinted and reproduced in electronic form in the 'nail' mail user agent, from IEEE Std 1003.1, 2003 Edition, Standard for Information Technology -- Portable Operating System Interface (POSIX). The Open Group Base Specifications Issue 6, Copyright (C) 2001-2003 by the Institute of Electrical and Electronics Engineers, Inc and The Open Group. In the event of any discrepancy between these versions and the original IEEE and The Open Group Standard, the original IEEE and The Open Group Standard is the referee document.

The original Standard can be obtained online at http://www.opengroup.org/unix/online.html.

This notice shall appear on any product containing this material.

==========================================================================
/*
 * imap_gssapi.c is partially derived from sample code in:
 * GSS-API Programming Guide
 * Part No: 816-1331-11
 * Sun Microsystems, Inc. 4150 Network Circle Santa Clara, CA 95054 U.S.A.
 *
 * (c) 2002 Sun Microsystems
 */
/*
 * Copyright 1994 by OpenVision Technologies, Inc.
 *
 * Permission to use, copy, modify, distribute, and sell this software
 * and its documentation for any purpose is hereby granted without fee,
 * provided that the above copyright notice appears in all copies and
 * that both that copyright notice and this permission notice appear in
 * supporting documentation, and that the name of OpenVision not be used
 * in advertising or publicity pertaining to distribution of the software
 * without specific, written prior permission. OpenVision makes no
 * representations about the suitability of this software for any
 * purpose. It is provided "as is" without express or implied warranty.
 *
 * OPENVISION DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,
 * INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO
 * EVENT SHALL OPENVISION BE LIABLE FOR ANY SPECIAL, INDIRECT OR
 * CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF
 * USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR
 * OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
 * PERFORMANCE OF THIS SOFTWARE.
 */
/* md5.h and md5.c are derived from RFC 1321:

Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All
rights reserved.

License to copy and use this software is granted provided that it
is identified as the "RSA Data Security, Inc. MD5 Message-Digest
Algorithm" in all material mentioning or referencing this software
or this function.

License is also granted to make and use derivative works provided
that such works are identified as "derived from the RSA Data
Security, Inc. MD5 Message-Digest Algorithm" in all material
mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either
the merchantability of this software or the suitability of this
software for any particular purpose. It is provided "as is"
without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this
documentation and/or software.
==========================================================================

/*
 * hmac.c is derived from:

Network Working Group    H. Krawczyk
Request for Comments: 2104   IBM
Category: Informational    M. Bellare
          UCSD
          R. Canetti
          IBM
February 1997

HMAC: Keyed-Hashing for Message Authentication

Status of This Memo

This memo provides information for the Internet community. This memo
does not specify an Internet standard of any kind. Distribution of
this memo is unlimited.

Appendix -- Sample Code
==========================================================================
Parts of nss.c are derived from the Mozilla NSS 3.9.2 source, mozilla/security/nss/cmd/smimetools/cmsutil.c. Therefore:

MOZILLA PUBLIC LICENSE
Version 1.1

-----------------

1. Definitions.

1.0.1. "Commercial Use" means distribution or otherwise making the Covered Code available to a third party.

1.1. "Contributor" means each entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof.

1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.

1.5. "Executable" means Covered Code in any form other than Source Code.

1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.8. "License" means this document.

1.8.1. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a
Modification is:
A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.

B. Any new file that contains any part of the Original Code or previous Modifications.

1.10. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.10.1. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. Source Code License.

2.1. The Initial Developer Grant.
The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:
(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and
(b) under Patents Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).

(c) the licenses granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by: i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.

2.2. Contributor Grant.
Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) the licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by
3. Distribution Obligations.

3.1. Application of License.
The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

3.2. Availability of Source Code.
Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

3.3. Description of Modifications.
You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

3.4. Intellectual Property Matters
(a) Third Party Claims.
If Contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will
know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs.
If Contributor's Modifications include an application programming interface and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.

(c) Representations.
Contributor represents that, except as disclosed pursuant to Section 3.4(a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.

3.5. Required Notices.
You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.6. Distribution of Executable Versions.
You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included
in any notice in an Executable version, related documentation or
collateral in which You describe recipients' rights relating to the
Covered Code. You may distribute the Executable version of Covered
Code or ownership rights under a license of Your choice, which may
contain terms different from this License, provided that You are in
compliance with the terms of this License and that the license for the
Executable version does not attempt to limit or alter the recipient's
rights in the Source Code version from the rights set forth in this
License. If You distribute the Executable version under a different
license You must make it absolutely clear that any terms which differ
from this License are offered by You alone, not by the Initial
Developer or any Contributor. You hereby agree to indemnify the
Initial Developer and every Contributor for any liability incurred by
the Initial Developer or such Contributor as a result of any such
terms You offer.

3.7. Larger Works.
You may create a Larger Work by combining Covered Code with other code
not governed by the terms of this License and distribute the Larger
Work as a single product. In such a case, You must make sure the
requirements of this License are fulfilled for the Covered Code.

4. Inability to Comply Due to Statute or Regulation.

If it is impossible for You to comply with any of the terms of this
License with respect to some or all of the Covered Code due to
statute, judicial order, or regulation then You must: (a) comply with
the terms of this License to the maximum extent possible; and (b)
describe the limitations and the code they affect. Such description
must be included in theLEGAL file described in Section 3.4 and must
be included with all distributions of the Source Code. Except to the
extent prohibited by statute or regulation, such description must be
sufficiently detailed for a recipient of ordinary skill to be able to
understand it.

5. Application of this License.

This License applies to code to which the Initial Developer has
attached the notice in Exhibit A and to related Covered Code.

6. Versions of the License.

6.1. New Versions.
Netscape Communications Corporation ("Netscape") may publish revised
and/or new versions of the License from time to time. Each version
will be given a distinguishing version number.

6.2. Effect of New Versions.
Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Netscape. No one other than Netscape has the right to modify the terms applicable to Covered Code created under this License.

6.3. Derivative Works.
If You create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), You must (a) rename Your license so that the phrases "Mozilla", "MOZILLA PL", "MOZPL", "Netscape", "MPL", "NPL" or any confusingly similar phrase do not appear in your license (except to note that your license differs from this License) and (b) otherwise make it clear that Your version of the license contains terms which differ from the Mozilla Public License and Netscape Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)

7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

8. TERMINATION.

8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

8.2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as "Participant") alleging that:
(a) such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.

(b) any software, hardware, or device, other than such Participant's Contributor Version, directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1(b) and 2.2(b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that Participant.

8.3. If You assert a patent infringement claim against Participant alleging that such Participant's Contributor Version directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

8.4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.

9. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF
LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

10. U.S. GOVERNMENT END USERS.


11. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in the United States of America, any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys’ fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

12. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

13. MULTIPLE-LICENSED CODE.
Initial Developer may designate portions of the Covered Code as "Multiple-Licensed". "Multiple-Licensed" means that the Initial Developer permits you to utilize portions of the Covered Code under Your choice of the NPL or the alternative licenses, if any, specified by the Initial Developer in the file described in Exhibit A.

EXHIBIT A -Mozilla Public License.

```
```

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

The Original Code is ______________________________________.

The Initial Developer of the Original Code is _____________________.

Portions created by ______________ are Copyright (C) __________ ______________. All Rights Reserved.

Contributor(s): ______________________________________.

Alternatively, the contents of this file may be used under the terms of the ____ license (the "[___] License"), in which case the provisions of [____] License are applicable instead of those above. If you wish to allow use of your version of this file only under the terms of the [___] License and not to allow others to use your version of this file under the MPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the [___] License. If you do not delete the provisions above, a recipient may use your version of this file under either the MPL or the [___] License.”

[NOTE: The text of this Exhibit A may differ slightly from the text of the notices in the Source Code files of the Original Code. You should use the text of this Exhibit A rather than the text found in the Original Code Source Code for Your Modifications.]

1.128 logback-core 1.2.3
1.128.1 Available under license:

Found license 'Eclipse Public License 1.0' in 'Copyright (C) 1999-2015, QOS.ch. All rights reserved. * This program and the accompanying materials are dual-licensed under * either the terms of the Eclipse Public License v1.0 as published by * under the terms of the GNU Lesser General Public License version 2.1 * as published by the Free Software Foundation.'

Found license 'GNU Lesser General Public License' in 'Copyright (C) 1999-2015, QOS.ch. All rights reserved. * This program and the accompanying materials are dual-licensed under * either the terms of the Eclipse Public License v1.0 as published by * under the terms of the GNU Lesser General Public License version 2.1 * as published by the Free Software Foundation.'

1.129 isorelax 20031010

1.129.1 Available under license:

Copyright (c) 2001-2002, SourceForge ISO-RELAX Project (ASAMI Tomoharu, Daisuke Okajima, Kohsuke Kawaguchi, and MURATA Makoto)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.130 jersey 1.9.1

1.130.1 Available under license:

Found license 'Common Development and Distribution License (CDDL) 1.1' in 'Copyright (c) 2010-2011 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in 'Copyright (c) 2010-2011 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License'
1.131 commons-io 2.5

1.131.1 Available under license:

Apache Commons IO
Copyright 2002-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.
5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.132 dmidecode 3.2 3.el8

1.132.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.133 jetty-alpn-consycrypt-server
9.4.11.v20180605

1.134 jersey-hk2 2.27
1.134.1 Available under license:
    Found license 'General Public License 2.0' in /* Copyright (c) 2017 Oracle and/or its affiliates. All rights reserved. */
    The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL")
    or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use
1.135 javax-ws-rs-api 2.1

1.135.1 Available under license:

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.1

1. Definitions.

1.1. "Contributor" means each individual or entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. "Covered Software" means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. "Executable" means the Covered Software in any form other than Source Code.

1.5. "Initial Developer" means the individual or entity that first makes Original Software available under this License.

1.6. "Larger Work" means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. "License" means this document.

1.8. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;
B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. "Original Software" means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. "Source Code" means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).
(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.
3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License,
provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.


You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Oracle is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and
remove any references to the name of the license steward (except to
note that the license differs from this License); and (b) otherwise
make it clear that the license contains terms which differ from this
License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS,
WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED,
INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE
IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR
NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF
THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE
DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY
OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING,
REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN
ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS
AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate
automatically if You fail to comply with terms herein and fail to
cure such breach within 30 days of becoming aware of the breach.
Provisions which, by their nature, must remain in effect beyond the
termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding
declaratory judgment actions) against Initial Developer or a
Contributor (the Initial Developer or Contributor against whom You
assert such claim is referred to as "Participant") alleging that the
Participant Software (meaning the Contributor Version where the
Participant is a Contributor or the Original Software where the
Participant is the Initial Developer) directly or indirectly
infringes any patent, then any and all rights granted directly or
indirectly to You by such Participant, the Initial Developer (if the
Initial Developer is not the Participant) and all Contributors under
Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice
from Participant terminate prospectively and automatically at the
expiration of such 60 day notice period, unless if within such 60
day period You withdraw Your claim with respect to the Participant
Software against such Participant either unilaterally or pursuant to
a written agreement with Participant.

6.3. If You assert a patent infringement claim against Participant
alleging that the Participant Software directly or indirectly
infringes any patent where such claim is resolved (such as by
license or settlement) prior to the initiation of patent
infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" (as that term is defined at 48 C.F.R. § 252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by
the law of the jurisdiction specified in a notice contained within
the Original Software (except to the extent applicable law, if any,
provides otherwise), excluding such jurisdiction's conflict-of-law
provisions. Any litigation relating to this License shall be subject
to the jurisdiction of the courts located in the jurisdiction and
venue specified in a notice contained within the Original Software,
with the losing party responsible for costs, including, without
limitation, court costs and reasonable attorneys' fees and expenses.
The application of the United Nations Convention on Contracts for
the International Sale of Goods is expressly excluded. Any law or
regulation which provides that the language of a contract shall be
construed against the drafter shall not apply to this License. You
agree that You alone are responsible for compliance with the United
States export administration regulations (and the export control
laws and regulation of any other countries) when You use, distribute
or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is
responsible for claims and damages arising, directly or indirectly,
out of its utilization of rights under this License and You agree to
work with Initial Developer and Contributors to distribute such
responsibility on an equitable basis. Nothing herein is intended or
shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE
(CDDL)
The code released under the CDDL shall be governed by the laws of the
State of California (excluding conflict-of-law provisions). Any
litigation relating to this License shall be subject to the jurisdiction
of the Federal Courts of the Northern District of California and the
state courts of the State of California, with venue lying in Santa Clara
County, California.

1.136 om-aspects 1.2.20
1.136.1 Available under license :

Apache Axiom

Copyright 2004-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.

Apache License
Version 2.0, January 2004
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[ ]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.137 activemq-spring 5.15.14

1.137.1 Available under license:

ActiveMQ :: Spring
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use, 
reproduction, and distribution of the Work otherwise complies with 
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, 
any Contribution intentionally submitted for inclusion in the Work 
by You to the Licensor shall be under the terms and conditions of 
this License, without any additional terms or conditions. 
Notwithstanding the above, nothing herein shall supersede or modify 
the terms of any separate license agreement you may have executed 
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade 
names, trademarks, service marks, or product names of the Licensor, 
except as required for reasonable and customary use in describing the 
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or 
agreed to in writing, Licensor provides the Work (and each 
Contributor provides its Contributions) on an "AS IS" BASIS, 
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or 
IMPLIED, including, without limitation, any WARRANTIES OR CONDITIONS 
OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY, OR FITNESS FOR A 
PARTICULAR PURPOSE. You are solely responsible for determining the 
appropriateness of using or redistributing the Work and assume any 
risk associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, 
whether in tort (including negligence), contract, or otherwise, 
unless required by applicable law (such as deliberate and grossly 
negligent acts) or agreed to in writing, shall any Contributor be 
liable to You for damages, including any direct, indirect, special, 
incidental, or consequential damages of any character arising as a 
result of this License or out of the use or inability to use the 
Work (including but not limited to damages for loss of goodwill, 
work stoppage, computer failure or malfunction, or any and all 
other commercial damages or losses), even if such Contributor 
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing 
the Work or Derivative Works thereof, You may choose to offer, 
and charge a fee for, acceptance of support, warranty, indemnity, 
or other liability obligations and/or rights consistent with this 
License. However, in accepting such obligations, You may act only 
on Your own behalf and on Your sole responsibility, not on behalf 
of any other Contributor, and only if You agree to indemnify, 
defend, and hold each Contributor harmless for any liability 
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.138 google-http-client 1.22.0

1.139 jersey-entity-filtering 2.27
1.139.1 Available under license :

Found license 'General Public License 2.0' in '# Copyright (c) 2013-2017 Oracle and/or its affiliates. All rights
reserved. # The contents of this file are subject to the terms of either the GNU # General Public License Version 2
only ("GPL") or the Common Development # and Distribution License("CDDL") (collectively, the "License"). You
# may not use this file except in compliance with the License. You can # Oracle designates this particular file as
subject to the "Classpath" # exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in '* Copyright (c) 2014-2017 Oracle and/or its affiliates. All rights
reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2
only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You
* may not use this file except in compliance with the License. You can * Oracle designates this particular file as
subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'
1.140 jaxen 1.0.0

1.140.1 Available under license:

/*
 * Copyright 2003-2006 The Werken Company. All Rights Reserved.

 Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

 * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

 * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

 * Neither the name of the Jaxen Project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

 THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

 */
1.141 fuse 2.9.7 12.el8

1.141.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of
this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>
This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.
If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
Otherwise stated in writing the copyright holders and/or other parties provide the program "as is" without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The entire risk as to the quality and performance of the program is with you. Should the program prove defective, you assume the cost of all necessary servicing, repair or correction.

12. In no event unless required by applicable law or agreed to in writing will any copyright holder, or any other party who may modify and/or redistribute the program as permitted above, be liable to you for damages, including any general, special, incidental or consequential damages arising out of the use or inability to use the program (including but not limited to loss of data or data being rendered inaccurate or losses sustained by you or third parties or a failure of the program to operate with any other programs), even if such holder or other party has been advised of the possibility of such damages.

End of Terms and Conditions

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.142 perl-crypt-random-tesha 0.01-1.gf.el8

1.142.1 Available under license:

This software is Copyright (c) 2012-2013 by Dana Jacobsen.

This is free software; you can redistribute it and/or modify it under
the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free
   Software Foundation; either version 1, or (at your option) any
   later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---
This software is Copyright (c) 2012-2013 by Dana Jacobsen.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Suite 500, Boston, MA 02110-1335 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which
contains a notice placed by the copyright holder saying it may be
distributed under the terms of this General Public License. The
"Program", below, refers to any such program or work, and a "work based
on the Program" means either the Program or any work containing the
Program or a portion of it, either verbatim or with modifications. Each
licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source
code as you receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice and
disclaimer of warranty; keep intact all the notices that refer to this
General Public License and to the absence of any warranty; and give any
other recipients of the Program a copy of this General Public License
along with the Program. You may charge a fee for the physical act of
transferring a copy.

2. You may modify your copy or copies of the Program or any portion of
it, and copy and distribute such modifications under the terms of Paragraph
1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that
      you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that
      in whole or in part contains the Program or any part thereof, either
      with or without modifications, to be licensed at no charge to all
      third parties under the terms of this General Public License (except
      that you may choose to grant warranty protection to some or all
      third parties, at your option).

   c) If the modified program normally reads commands interactively when
      run, you must cause it, when started running for such interactive use
      in the simplest and most usual way, to print or display an
      announcement including an appropriate copyright notice and a notice
      that there is no warranty (or else, saying that you provide a
warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.
5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 2012-2013 by Dana Jacobsen.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard
names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.143 google-api-services-cloudkms v1-rev9-1.22.0

1.143.1 Available under license:

No license file was found, but licenses were detected in source scan.

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <parent>
    <groupId>org.sonatype.oss</groupId>
    <artifactId>oss-parent</artifactId>
    <version>7</version>
  </parent>
  <groupId>com.google.apis</groupId>
  <artifactId>google-api-services-cloudkms</artifactId>
  <version>1.22.0</version>
</project>
<artifactId>google-api-services-cloudkms</artifactId>
<version>v1-rev9-1.22.0</version>
<name>Google Cloud Key Management Service (KMS) API v1-rev9-1.22.0</name>
<packaging>jar</packaging>

<inceptionYear>2011</inceptionYear>

<organization>
  <name>Google</name>
  <url>http://www.google.com/</url>
</organization>

<licenses>
  <license>
    <name>The Apache Software License, Version 2.0</name>
    <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
    <distribution>repo</distribution>
  </license>
</licenses>

<build>
  <plugins>
    <plugin>
      <artifactId>maven-compiler-plugin</artifactId>
      <version>2.3.2</version>
      <configuration>
        <source>1.5</source>
        <target>1.5</target>
      </configuration>
    </plugin>
    <plugin>
      <artifactId>maven-jar-plugin</artifactId>
      <version>2.3.1</version>
      <configuration>
        <archive>
          <manifestEntries>
            <Built-By>Google</Built-By>
            <Build-Jdk>1.6.x</Build-Jdk>
          </manifestEntries>
        </archive>
      </configuration>
    </plugin>
    <plugin>
      <artifactId>maven-javadoc-plugin</artifactId>
      <version>2.7</version>
      <configuration>
        <doctitle>Google Cloud Key Management Service (KMS) API $$\{project.version\}</doctitle>
        <windowtitle>Google Cloud Key Management Service (KMS) API $$\{project.version\}</windowtitle>
      </configuration>
    </plugin>
  </plugins>
</build>
<links>
<link>http://docs.oracle.com/javase/7/docs/api</link>

<link>http://javadoc.google-http-java-client.googlecode.com/hg/1.22.0</link>

<link>http://javadoc.google-oauth-java-client.googlecode.com/hg/1.22.0</link>

<link>http://javadoc.google-api-java-client.googlecode.com/hg/1.22.0</link>
</links>
</configuration>
</plugin>
</plugins>
<sourceDirectory>.</sourceDirectory>
</build>

<dependencies>
<dependency>
<groupId>com.google.api-client</groupId>
<artifactId>google-api-client</artifactId>
<version>1.22.0</version>
</dependency>
</dependencies>

<properties>
<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
</properties>
</project>

Found in path(s):
* /opt/cola/permits/1137993859_1614192772.84/0/google-api-services-cloudkms-v1-rev9-1-22-0-sources-2-
  jar/pom.xml
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2010 Google Inc.
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except
 * in compliance with the License. You may obtain a copy of the License at
 * http://www.apache.org/licenses/LICENSE-2.0
 * Unless required by applicable law or agreed to in writing, software distributed under the License
 * is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express
 * or implied. See the License for the specific language governing permissions and limitations under
 * the License.
 */
1.144 ethtool 5.0 2.el8

1.144.1 Available under license:

ethtool is available under the terms of the GNU Public License version 2.

See COPYING for details.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation’s software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.145 p11-kit 0.23.14-5.el8_0

1.145.1 Available under license:
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* The names of contributors to this software may not be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.146 jaxb-core 2.3.0

1.147 tac-plus 4.0.4.26-1.el6.nux

1.147.1 Available under license:

The original cisco code carries the following license/disclaimer/whatever:

/*

Copyright (c) 1995-1998 by Cisco systems, Inc.

Permission to use, copy, modify, and distribute this software for any purpose and without fee is hereby granted, provided that this copyright and permission notice appear on all copies of the software and supporting documentation, the name of Cisco Systems, Inc. not be used in advertising or publicity pertaining to distribution of the program without specific prior permission, and notice be given in supporting documentation that modification, copying and distribution is by permission of Cisco Systems, Inc.

Cisco Systems, Inc. makes no representations about the suitability of this software for any purpose. THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

*/

as for the bits i have added or contributions i have received from other folks, they are noted in the CHANGES file post version 4.0.3a. please give credit where due. thanks.
1.148 isns-utils 0.99 1.el8

1.148.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them...
with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

---

Open Source Used In CSPC_Collector 2.9.1 1313
a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANT FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

1.149 perl-html-parser 3.72-14.el8
1.149.1 Available under license :
No license file was found, but licenses were detected in source scan.

=head1 NAME

HTML::Parser - HTML parser class

=head1 SYNOPSIS

use HTML::Parser ();

# Create parser object
$parser = HTML::Parser->new( api_version => 3,
     start_h => 
        [&start, "tagname, attr"],
        ...);
Objects of the C<HTML::Parser> class will recognize markup and separate it from plain text (alias data content) in HTML documents. As different kinds of markup and text are recognized, the corresponding event handlers are invoked.

C<HTML::Parser> is not a generic SGML parser. We have tried to make it able to deal with the HTML that is actually "out there", and it normally parses as closely as possible to the way the popular web browsers do it instead of strictly following one of the many HTML specifications from W3C. Where there is disagreement, there is often an option that you can enable to get the official behaviour.

The document to be parsed may be supplied in arbitrary chunks. This makes on-the-fly parsing as documents are received from the network possible.

If event driven parsing does not feel right for your application, you might want to use C<HTML::PullParser>. This is an C<HTML::Parser> subclass that allows a more conventional program structure.

=head1 METHODS

The following method is used to construct a new C<HTML::Parser> object:

=item Sp = HTML::Parser->new( %options_and_handlers )

This class method creates a new C<HTML::Parser> object and
returns it. Key/value argument pairs may be provided to assign event handlers or initialize parser options. The handlers and parser options can also be set or modified later by the method calls described below.

If a top level key is in the form "<event>_h" (e.g., "text_h") then it assigns a handler to that event, otherwise it initializes a parser option. The event handler specification value must be an array reference. Multiple handlers may also be assigned with the 'handlers' => [%handlers] option. See examples below.

If new() is called without any arguments, it will create a parser that uses callback methods compatible with version 2 of C<HTML::Parser>. See the section on "version 2 compatibility" below for details.

The special constructor option 'api_version => 2' can be used to initialize version 2 callbacks while still setting other options and handlers. The 'api_version => 3' option can be used if you don't want to set any options and don't want to fall back to v2 compatible mode.

Examples:

$p = HTML::Parser->new(api_version => 3,
    text_h => [ sub {...}, "dtext" ]);;

This creates a new parser object with a text event handler subroutine that receives the original text with general entities decoded.

$p = HTML::Parser->new(api_version => 3,
    start_h => [ 'my_start', "self,tokens" ]);;

This creates a new parser object with a start event handler method that receives the $p and the tokens array.

$p = HTML::Parser->new(api_version => 3,
    handlers => [ text => [\@array, "event,text"],
        comment => [\@array, "event,text"],
    ]);;

This creates a new parser object that stores the event type and the original text in @array for text and comment events.

=back

The following methods feed the HTML document to the C<HTML::Parser> object:

=over
=item $p->parse( $string )

Parse $string as the next chunk of the HTML document. Handlers invoked should not attempt to modify the $string in-place until $p->parse returns.

If an invoked event handler aborts parsing by calling $p->eof, then $p->parse() will return a FALSE value. Otherwise the return value is a reference to the parser object ($p).

=item $p->parse( $code_ref )

If a code reference is passed as the argument to be parsed, then the chunks to be parsed are obtained by invoking this function repeatedly. Parsing continues until the function returns an empty (or undefined) result. When this happens $p->eof is automatically signaled.

Parsing will also abort if one of the event handlers calls $p->eof.

The effect of this is the same as:

```
while (1) {
    my $chunk = &$code_ref();
    if (!defined($chunk) || !length($chunk)) {
        $p->eof;
        return $p;
    }
    $p->parse($chunk) || return undef;
}
```

But it is more efficient as this loop runs internally in XS code.

=item $p->parse_file( $file )

Parse text directly from a file. The $file argument can be a filename, an open file handle, or a reference to an open file handle.

If $file contains a filename and the file can't be opened, then the method returns an undefined value and $! tells why it failed. Otherwise the return value is a reference to the parser object.

If a file handle is passed as the $file argument, then the file will normally be read until EOF, but not closed.

If an invoked event handler aborts parsing by calling $p->eof, then $p->parse_file() may not have read the entire file.
On systems with multi-byte line terminators, the values passed for the offset and length argspecs may be too low if parse_file() is called on a file handle that is not in binary mode.

If a filename is passed in, then parse_file() will open the file in binary mode.

=item $p->eof

Signals the end of the HTML document. Calling the $p->eof method outside a handler callback will flush any remaining buffered text (which triggers the C<text> event if there is any remaining text).

Calling $p->eof inside a handler will terminate parsing at that point and cause $p->parse to return a FALSE value. This also terminates parsing by $p->parse_file().

After $p->eof has been called, the parse() and parse_file() methods can be invoked to feed new documents with the parser object.

The return value from eof() is a reference to the parser object.

=back

Most parser options are controlled by boolean attributes. Each boolean attribute is enabled by calling the corresponding method with a TRUE argument and disabled with a FALSE argument. The attribute value is left unchanged if no argument is given. The return value from each method is the old attribute value.

Methods that can be used to get and/or set parser options are:

=over

=item $p->attr_encoded

=item $p->attr_encoded( $bool )

By default, the C<attr> and C<@attr> argspecs will have general entities for attribute values decoded. Enabling this attribute leaves entities alone.

=item $p->backquote

=item $p->backquote( $bool )

By default, only ’ and “ are recognized as quote characters around
attribute values. MSIE also recognizes backquotes for some reason. Enabling this attribute provides compatibility with this behaviour.

=item $p->boolean_attribute_value( $val )

This method sets the value reported for boolean attributes inside HTML start tags. By default, the name of the attribute is also used as its value. This affects the values reported for C<tokens> and C<attr> argspecs.

=item $p->case_sensitive

=item $p->case_sensitive( $bool )

By default, tagnames and attribute names are down-cased. Enabling this attribute leaves them as found in the HTML source document.

=item $p->closing_plaintext

=item $p->closing_plaintext( $bool )

By default, "plaintext" element can never be closed. Everything up to the end of the document is parsed in CDATA mode. This historical behaviour is what at least MSIE does. Enabling this attribute makes closing "</plaintext>" tag effective and the parsing process will resume after seeing this tag. This emulates early gecko-based browsers.

=item $p->empty_element_tags

=item $p->empty_element_tags( $bool )

By default, empty element tags are not recognized as such and the "/" before ">") is just treated like a normal name character (unless C<strict_names> is enabled). Enabling this attribute make C<HTML::Parser> recognize these tags. Empty element tags look like start tags, but end with the character sequence "/>" instead of ">". When recognized by C<HTML::Parser> they cause an artificial end event in addition to the start event. The C<text> for the artificial end event will be empty and the C<tokenpos> array will be undefined even though the token array will have one element containing the tag name.

=item $p->marked_sections

=item $p->marked_sections( $bool )

By default, section markings like <![CDATA[...]]> are treated like
ordinary text. When this attribute is enabled section markings are honoured.

There are currently no events associated with the marked section markup, but the text can be returned as C<skipped_text>.

=item $p->strict_comment
=item $p->strict_comment( $bool )

By default, comments are terminated by the first occurrence of "-->". This is the behaviour of most popular browsers (like Mozilla, Opera and MSIE), but it is not correct according to the official HTML standard. Officially, you need an even number of "--" tokens before the closing "">

The official behaviour is enabled by enabling this attribute. Enabling of 'strict_comment' also disables recognizing these forms as comments:

</ comment>
<! comment>

=item $p->strict_end
=item $p->strict_end( $bool )

By default, attributes and other junk are allowed to be present on end tags in a manner that emulates MSIE's behaviour.

The official behaviour is enabled with this attribute. If enabled, only whitespace is allowed between the tagname and the final "">

=item $p->strict_names
=item $p->strict_names( $bool )

By default, almost anything is allowed in tag and attribute names. This is the behaviour of most popular browsers and allows us to parse some broken tags with invalid attribute values like:

<IMG SRC=newprevlstGr.gif ALT=[PREV LIST] BORDER=0>

By default, "LIST]" is parsed as a boolean attribute, not as part of the ALT value as was clearly intended. This is also what
Mozilla sees.

The official behaviour is enabled by enabling this attribute. If enabled, it will cause the tag above to be reported as text since "LIST]" is not a legal attribute name.

=item $p->unbroken_text

=item $p->unbroken_text( $bool )

By default, blocks of text are given to the text handler as soon as possible (but the parser takes care always to break text at a boundary between whitespace and non-whitespace so single words and entities can always be decoded safely). This might create breaks that make it hard to do transformations on the text. When this attribute is enabled, blocks of text are always reported in one piece. This will delay the text event until the following (non-text) event has been recognized by the parser.

Note that the C<offset> argspec will give you the offset of the first segment of text and C<length> is the combined length of the segments. Since there might be ignored tags in between, these numbers can't be used to directly index in the original document file.

=item $p->utf8_mode

=item $p->utf8_mode( $bool )

Enable this option when parsing raw undecoded UTF-8. This tells the parser that the entities expanded for strings reported by C<attr>, C:@attr and C<dtext> should be expanded as decoded UTF-8 so they end up compatible with the surrounding text.

If C<utf8_mode> is enabled then it is an error to pass strings containing characters with code above 255 to the parse() method, and the parse() method will croak if you try.

Example: The Unicode character "\{2665}" is "\xE2\x99\xA5" when UTF-8 encoded. The character can also be represented by the entity "&hearts;" or "&#x2665". If we feed the parser:

$pv->parse("\xE2\x99\xA5&hearts;);

then C<dtext> will be reported as "\xE2\x99\xA5\{2665}" without C<utf8_mode> enabled, but as "\xE2\x99\xA5\xE2\x99\xA5" when enabled. The later string is what you want.

This option is only available with perl-5.8 or better.
=item $p->xml_mode

=item $p->xml_mode( $bool )

Enabling this attribute changes the parser to allow some XML constructs. This enables the behaviour controlled by individually by the C<case_sensitive>, C<empty_element_tags>, C<strict_names> and C<xml_pic> attributes and also suppresses special treatment of elements that are parsed as CDATA for HTML.

=back

=item $p->xml_pic

=item $p->xml_pic( $bool )

By default, I<processing instructions> are terminated by "">". When this attribute is enabled, processing instructions are terminated by "">" instead.

=back

As markup and text is recognized, handlers are invoked. The following method is used to set up handlers for different events:

=over

=item $p->handler( event => \&subroutine, $argspec )

=item $p->handler( event => $method_name, $argspec )

=item $p->handler( event => \@accum, $argspec )

=item $p->handler( event => "" );

=item $p->handler( event => undef );

=item $p->handler( event );

=back

This method assigns a subroutine, method, or array to handle an event.

Event is one of C<text>, C<start>, C<end>, C<declaration>, C<comment>, C<process>, C<start_document>, C<end_document> or C<default>.

The C<\&subroutine> is a reference to a subroutine which is called to handle the event.

The C<$method_name> is the name of a method of $p which is called to handle the event.
The C<@accum> is an array that will hold the event information as sub-arrays.

If the second argument is "", the event is ignored.
If it is undef, the default handler is invoked for the event.

The C<$argspec> is a string that describes the information to be reported for the event. Any requested information that does not apply to a specific event is passed as C<undef>. If argspec is omitted, then it is left unchanged.

The return value from $p->handler is the old callback routine or a reference to the accumulator array.

Any return values from handler callback routines/methods are always ignored. A handler callback can request parsing to be aborted by invoking the $p->eof method. A handler callback is not allowed to invoke the $p->parse() or $p->parse_file() method. An exception will be raised if it tries.

Examples:

    $p->handler(start =>  "start", 'self, attr, attrseq, text' );

This causes the "start" method of object $p to be called for 'start' events.
The callback signature is $p->start(\%attr, \@attr_seq, $text).

    $p->handler(start =>  \&start, 'attr, attrseq, text' );

This causes subroutine start() to be called for 'start' events.
The callback signature is start(\%attr, \@attr_seq, $text).

    $p->handler(start =>  \@accum, '"S", attr, attrseq, text' );

This causes 'start' event information to be saved in @accum.
The array elements will be ['S', \%attr, \@attr_seq, $text].

    $p->handler(start => "");

This causes 'start' events to be ignored. It also suppresses invocations of any default handler for start events. It is in most cases equivalent to $p->handler(start => sub {}), but is more efficient. It is different from the empty-sub-handler in that C<skipped_text> is not reset by it.

    $p->handler(start => undef);
This causes no handler to be associated with start events. If there is a default handler it will be invoked.

Filters based on tags can be set up to limit the number of events reported. The main bottleneck during parsing is often the huge number of callbacks made from the parser. Applying filters can improve performance significantly.

The following methods control filters:

=item $p->ignore_elements( @tags )

Both the C<start> event and the C<end> event as well as any events that would be reported in between are suppressed. The ignored elements can contain nested occurrences of itself. Example:

$p->ignore_elements(qw(script style));

The C<script> and C<style> tags will always nest properly since their content is parsed in CDATA mode. For most other tags C<ignore_elements> must be used with caution since HTML is often not I<well formed>.

=item $p->ignore_tags( @tags )

Any C<start> and C<end> events involving any of the tags given are suppressed. To reset the filter (i.e. don't suppress any C<start> and C<end> events), call C<ignore_tags> without an argument.

=item $p->report_tags( @tags )

Any C<start> and C<end> events involving any of the tags I<not> given are suppressed. To reset the filter (i.e. report all C<start> and C<end> events), call C<report_tags> without an argument.

Internally, the system has two filter lists, one for C<report_tags> and one for C<ignore_tags>, and both filters are applied. This effectively gives C<ignore_tags> precedence over C<report_tags>.

Examples:

$p->ignore_tags(qw(style));
$p->report_tags(qw(script style));

results in only C<script> events being reported.

=head2 Argspec

Argspec is a string containing a comma-separated list that describes the information reported by the event. The following argspec identifier names can be used:

=over

=item C<attr>

Attr causes a reference to a hash of attribute name/value pairs to be passed.

Boolean attributes' values are either the value set by $p->boolean_attribute_value, or the attribute name if no value has been set by $p->boolean_attribute_value.

This passes undef except for C<start> events.

Unless C<xml_mode> or C<case_sensitive> is enabled, the attribute names are forced to lower case.

General entities are decoded in the attribute values and one layer of matching quotes enclosing the attribute values is removed.

The Unicode character set is assumed for entity decoding.

=item C<@attr>

Basically the same as C<attr>, but keys and values are passed as individual arguments and the original sequence of the attributes is kept. The parameters passed will be the same as the @attr calculated here:

    @attr = map { $_ => $attr->{$_} } @attrseq;

assuming $attr and $attrseq here are the hash and array passed as the result of C<attr> and C<attrseq> argspecs.

This passes no values for events besides C<start>.

=item C<attrseq>

Attrseq causes a reference to an array of attribute names to be
passed. This can be useful if you want to walk the C<attr> hash in the original sequence.

This passes undef except for C<start> events.

Unless C+xml_mode> or C+case_sensitive> is enabled, the attribute names are forced to lower case.

=item C+column>

Column causes the column number of the start of the event to be passed. The first column on a line is 0.

=item C<dtext>

Dtext causes the decoded text to be passed. General entities are automatically decoded unless the event was inside a CDATA section or was between literal start and end tags (C<script>, C<style>, C<xmp>, C<iframe>, C<title>, C<textarea> and C<plaintext>).

The Unicode character set is assumed for entity decoding. With Perl version 5.6 or earlier only the Latin-1 range is supported, and entities for characters outside the range 0..255 are left unchanged.

This passes undef except for C<text> events.

=item C+event>

Event causes the event name to be passed.

The event name is one of C<text>, C<start>, C<end>, C<declaration>, C<comment>, C<process>, C<start_document> or C<end_document>.

=item C+is_cdata>

Is_cdata causes a TRUE value to be passed if the event is inside a CDATA section or between literal start and end tags (C<script>, C<style>, C<xmp>, C<iframe>, C<title>, C<textarea> and C<plaintext>).

if the flag is FALSE for a text event, then you should normally either use C<dtext> or decode the entities yourself before the text is processed further.

=item C+length>

Length causes the number of bytes of the source text of the event to be passed.
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>line</code></td>
<td>Causes the line number of the start of the event to be passed. The first line in the document is 1. Line counting doesn't start until at least one handler requests this value to be reported.</td>
</tr>
<tr>
<td><code>offset</code></td>
<td>Causes the byte position in the HTML document of the start of the event to be passed. The first byte in the document has offset 0.</td>
</tr>
<tr>
<td><code>offset_end</code></td>
<td>Causes the byte position in the HTML document of the end of the event to be passed. This is the same as <code>offset</code> + <code>length</code>.</td>
</tr>
<tr>
<td><code>self</code></td>
<td>Causes the current object to be passed to the handler. If the handler is a method, this must be the first element in the argspec.</td>
</tr>
<tr>
<td><code>skipped_text</code></td>
<td>Returns the concatenated text of all the events that have been skipped since the last time an event was reported. Events might be skipped because no handler is registered for them or because some filter applies. Skipped text also includes marked section markup, since there are no events that can catch it. If an <code>&lt;&quot;&quot;&gt;</code>-handler is registered for an event, then the text for this event is not included in <code>skipped_text</code>. Skipped text both before and after the <code>&lt;&quot;&quot;&gt;</code>-event is included in the next reported <code>skipped_text</code>.</td>
</tr>
<tr>
<td><code>tag</code></td>
<td>Same as <code>tagname</code>, but prefixed with <code>&quot;/&quot;</code> if it belongs to an <code>end</code> event and <code>&quot;!&quot;</code> for a declaration. The <code>tag</code> does not have any prefix for <code>start</code> events, and is in this case identical to <code>tagname</code>.</td>
</tr>
<tr>
<td><code>tagname</code></td>
<td></td>
</tr>
</tbody>
</table>
This is the element name (or I<generic identifier> in SGML jargon) for start and end tags. Since HTML is case insensitive, this name is forced to lower case to ease string matching.

Since XML is case sensitive, the tagname case is not changed when C<xml_mode> is enabled. The same happens if the C<case_sensitive> attribute is set.

The declaration type of declaration elements is also passed as a tagname, even if that is a bit strange.
In fact, in the current implementation tagname is identical to C<token0> except that the name may be forced to lower case.

=item C<token0>

Token0 causes the original text of the first token string to be passed. This should always be the same as $tokens->[0].

For C<declaration> events, this is the declaration type.

For C<start> and C<end> events, this is the tag name.

For C<process> and non-strict C<comment> events, this is everything inside the tag.

This passes undef if there are no tokens in the event.

=item C<tokenpos>

Tokenpos causes a reference to an array of token positions to be passed. For each string that appears in C<tokens>, this array contains two numbers. The first number is the offset of the start of the token in the original C<text> and the second number is the length of the token.

Boolean attributes in a C<start> event will have (0,0) for the attribute value offset and length.

This passes undef if there are no tokens in the event (e.g., C<text>) and for artificial C<end> events triggered by empty element tags.

If you are using these offsets and lengths to modify C<text>, you should either work from right to left, or be very careful to calculate the changes to the offsets.

=item C<tokens>

Tokens causes a reference to an array of token strings to be passed.
The strings are exactly as they were found in the original text, no decoding or case changes are applied.

For C<declaration> events, the array contains each word, comment, and delimited string starting with the declaration type.

For C<comment> events, this contains each sub-comment. If $p->strict_comments is disabled, there will be only one sub-comment.

For C<start> events, this contains the original tag name followed by the attribute name/value pairs. The values of boolean attributes will be either the value set by $p->boolean_attribute_value, or the attribute name if no value has been set by $p->boolean_attribute_value.

For C<end> events, this contains the original tag name (always one token).

For C<process> events, this contains the process instructions (always one token).

This passes C<undef> for C<text> events.

=item C<text>

Text causes the source text (including markup element delimiters) to be passed.

=item C<undef>

Pass an undefined value. Useful as padding where the same handler routine is registered for multiple events.

=item C<...'>

A literal string of 0 to 255 characters enclosed in single (') or double (") quotes is passed as entered.

=back

The whole argspec string can be wrapped up in C<@{...}> to signal that the resulting event array should be flattened. This only makes a difference if an array reference is used as the handler target.

Consider this example:

    $p->handler(text => [], 'text');
    $p->handler(text => [], '@{text}'));

With two text events; C"foo", C"bar"; then the first example will end
up with ["foo"], ["bar"] and the second with ["foo", "bar"] in
the handler target array.

=head2 Events

Handlers for the following events can be registered:

=over
=item C<comment>

This event is triggered when a markup comment is recognized.

Example:

<!-- This is a comment -- -- So is this -->

=item C<declaration>

This event is triggered when a I<markup declaration> is recognized.

For typical HTML documents, the only declaration you are
likely to find is &lt;!DOCTYPE ...&gt;.

Example:

&lt;!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN"
 "http://www.w3.org/TR/html4/strict.dtd">

DTDs inside &lt;!DOCTYPE ...&gt; will confuse HTML::Parser.

=item C<default>

This event is triggered for events that do not have a specific
handler. You can set up a handler for this event to catch stuff you
did not want to catch explicitly.

=item C<end>

This event is triggered when an end tag is recognized.

Example:

</A>

=item C<end_document>
This event is triggered when $p->eof is called and after any remaining text is flushed. There is no document text associated with this event.

=item C<process>

This event is triggered when a processing instructions markup is recognized.

The format and content of processing instructions are system and application dependent.

Examples:

<? HTML processing instructions >
<? XML processing instructions ?>

=item C<start>

This event is triggered when a start tag is recognized.

Example:

<A HREF="http://www.perl.com/">

=item C<start_document>

This event is triggered before any other events for a new document. A handler for it can be used to initialize stuff. There is no document text associated with this event.

=item C<text>

This event is triggered when plain text (characters) is recognized. The text may contain multiple lines. A sequence of text may be broken between several text events unless $p->unbroken_text is enabled.

The parser will make sure that it does not break a word or a sequence of whitespace between two text events.

=back

=head2 Unicode

C<HTML::Parser> can parse Unicode strings when running under perl-5.8 or better. If Unicode is passed to $p->parse() then chunks of Unicode will be reported to the handlers. The offset and length argspecs will also report their position in terms of characters.
It is safe to parse raw undecoded UTF-8 if you either avoid decoding entities and make sure to not use I<argspecs> that do, or enable the C<utf8_mode> for the parser. Parsing of undecoded UTF-8 might be useful when parsing from a file where you need the reported offsets and lengths to match the byte offsets in the file.

If a filename is passed to $p->parse_file() then the file will be read in binary mode. This will be fine if the file contains only ASCII or Latin-1 characters. If the file contains UTF-8 encoded text then care must be taken when decoding entities as described in the previous paragraph, but better is to open the file with the UTF-8 layer so that it is decoded properly:

```perl
open(my $fh, "<:utf8", "index.html") || die "...: $!";
$p->parse_file($fh);
```

If the file contains text encoded in a charset besides ASCII, Latin-1 or UTF-8 then decoding will always be needed.

=head1 VERSION 2 COMPATIBILITY

When an C<HTML::Parser> object is constructed with no arguments, a set of handlers is automatically provided that is compatible with the old HTML::Parser version 2 callback methods.

This is equivalent to the following method calls:

```perl
$p->handler(start => "start", "self, tagname, attr, attrseq, text");
$p->handler(end => "end", "self, tagname, text");
$p->handler(text => "text", "self, text, is_cdata");
$p->handler(process => "process", "self, token0, text");
$p->handler(comment =>
   sub {
      my($self, $tokens) = @_; 
      for (@$tokens) {$self->comment($_);}
      "self, tokens";
   }
);
$p->handler(declaration =>
   sub {
      my $self = shift;
      $self->declaration(substr($_,0,2,-1));
      "self, text";
   }
);
```

Setting up these handlers can also be requested with the "api_version => 2" constructor option.

=head1 SUBCLASSING

The C<HTML::Parser> class is subclassable. Parser objects are plain
hashes and C<HTML::Parser> reserves only hash keys that start with
"_hparser". The parser state can be set up by invoking the init()
method, which takes the same arguments as new().
=head1 EXAMPLES
The first simple example shows how you might strip out comments from
an HTML document. We achieve this by setting up a comment handler that
does nothing and a default handler that will print out anything else:
use HTML::Parser;
HTML::Parser->new(default_h => [sub { print shift }, 'text'],
comment_h => [""],
)->parse_file(shift || die) || die $!;
An alternative implementation is:
use HTML::Parser;
HTML::Parser->new(end_document_h => [sub { print shift },
'skipped_text'],
comment_h
=> [""],
)->parse_file(shift || die) || die $!;
This will in most cases be much more efficient since only a single
callback will be made.
The next example prints out the text that is inside the <title>
element of an HTML document. Here we start by setting up a start
handler. When it sees the title start tag it enables a text handler
that prints any text found and an end handler that will terminate
parsing as soon as the title end tag is seen:
use HTML::Parser ();
sub start_handler
{
return if shift ne "title";
my $self = shift;
$self->handler(text => sub { print shift }, "dtext");
$self->handler(end => sub { shift->eof if shift eq "title"; },
"tagname,self");
}
my $p = HTML::Parser->new(api_version => 3);
$p->handler( start => \&start_handler, "tagname,self");
$p->parse_file(shift || die) || die $!;
print "\n";

Open Source Used In CSPC_Collector 2.9.1 1336


More examples are found in the F<eg/> directory of the C<HTML-Parser> distribution: the program C<hrefsub> shows how you can edit all links found in a document; the program C<htextsub> shows how to edit the text only; the program C<hstrip> shows how you can strip out certain tags/elements and/or attributes; and the program C<htext> show how to obtain the plain text, but not any script/style content.

You can browse the F<eg/> directory online from the I<[Browse]> link on the http://search.cpan.org/~gaas/HTML-Parser/ page.

=head1 BUGS

The <style> and <script> sections do not end with the first "*/", but need the complete corresponding end tag. The standard behaviour is not really practical.

When the I<strict_comment> option is enabled, we still recognize comments where there is something other than whitespace between even and odd "--" markers.

Once $p->boolean_attribute_value has been set, there is no way to restore the default behaviour.

There is currently no way to get both quote characters into the same literal argspec.

Empty tags, e.g. "<x>" and "</x>", are not recognized. SGML allows them to repeat the previous start tag or close the previous start tag respectively.

NET tags, e.g. "code/.../" are not recognized. This is SGML shorthand for "<code>...</code>".

Unclosed start or end tags, e.g. "<tt<b>...</b</tt>" are not recognized.

=head1 DIAGNOSTICS

The following messages may be produced by HTML::Parser. The notation in this listing is the same as used in L<perldiag>:

=over

=item Not a reference to a hash

(F) The object blessed into or subclassed from HTML::Parser is not a hash as required by the HTML::Parser methods.
=item Bad signature in parser state object at %p

(F) The _hparsers_x_state element does not refer to a valid state structure. Something must have changed the internal value stored in this hash element, or the memory has been overwritten.

=item _hparsers_x_state element is not a reference

(F) The _hparsers_x_state element has been destroyed.

=item Can't find '_hparsers_x_state' element in HTML::Parser hash

(F) The _hparsers_x_state element is missing from the parser hash. It was either deleted, or not created when the object was created.

=item API version %s not supported by HTML::Parser %s

(F) The constructor option 'api_version' with an argument greater than or equal to 4 is reserved for future extensions.

=item Bad constructor option '%s'

(F) An unknown constructor option key was passed to the new() or init() methods.

=item Parse loop not allowed

(F) A handler invoked the parse() or parse_file() method. This is not permitted.

=item marked sections not supported

(F) The $p->marked_sections() method was invoked in a HTML::Parser module that was compiled without support for marked sections.

=item Unknown boolean attribute (%d)

(F) Something is wrong with the internal logic that set up aliases for boolean attributes.

=item Only code or array references allowed as handler

(F) The second argument for $p->handler must be either a subroutine reference, then name of a subroutine or method, or a reference to an array.

=item No handler for %s events
(F) The first argument to $p->handler must be a valid event name; i.e. one of "start", "end", "text", "process", "declaration" or "comment".

=item Unrecognized identifier %s in argspec

(F) The identifier is not a known argspec name. Use one of the names mentioned in the argspec section above.

=item Literal string is longer than 255 chars in argspec

(F) The current implementation limits the length of literals in an argspec to 255 characters. Make the literal shorter.

=item Backslash reserved for literal string in argspec

(F) The backslash character "\" is not allowed in argspec literals. It is reserved to permit quoting inside a literal in a later version.

=item Unterminated literal string in argspec

(F) The terminating quote character for a literal was not found.

=item Bad argspec (%s)

(F) Only identifier names, literals, spaces and commas are allowed in argspecs.

=item Missing comma separator in argspec

(F) Identifiers in an argspec must be separated with ",".

=item Parsing of undecoded UTF-8 will give garbage when decoding entities

(W) The first chunk parsed appears to contain undecoded UTF-8 and one or more argspecs that decode entities are used for the callback handlers.

The result of decoding will be a mix of encoded and decoded characters for any entities that expand to characters with code above 127. This is not a good thing.

The recommended solution is to apply Encode::decode_utf8() on the data before feeding it to the $p->parse(). For $p->parse_file() pass a file that has been opened in ":utf8" mode.

The alternative solution is to enable the C<utf8_mode> and not decode before passing strings to $p->parse(). The parser can process raw undecoded UTF-8 sanely if the C<utf8_mode> is enabled, or if the "attr", "@attr" or "dtext"
argspecs are avoided.

=item Parsing string decoded with wrong endianness

(W) The first character in the document is U+FFE. This is not a legal Unicode character but a byte swapped BOM. The result of parsing will likely be garbage.

=item Parsing of undecoded UTF-32

(W) The parser found the Unicode UTF-32 BOM signature at the start of the document. The result of parsing will likely be garbage.

=item Parsing of undecoded UTF-16

(W) The parser found the Unicode UTF-16 BOM signature at the start of the document. The result of parsing will likely be garbage.

=back
=head1 SEE ALSO

L<HTML::Entities>, L<HTML::PullParser>, L<HTML::TokeParser>, L<HTML::HeadParser>, L<HTML::LinkExtor>, L<HTML::Form>

L<HTML::TreeBuilder> (part of the I<HTML-Tree> distribution)

L<http://www.w3.org/TR/html4/>

More information about marked sections and processing instructions may be found at L<http://www.is-thought.co.uk/book/sgml-8.htm>.

=head1 COPYRIGHT

Copyright 1996-2016 Gisle Aas. All rights reserved.
Copyright 1999-2000 Michael A. Chase. All rights reserved.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):

*/
* Copyright 1999-2016, Gisle Aas.
* Copyright 1999-2000, Michael A. Chase.
*
* This library is free software; you can redistribute it and/or
* modify it under the same terms as Perl itself.
*/

Found in path(s):
* /opt/cola/permits/1137994247_1614192761.16/0/perl-HTML-Parser-3.72-14.el8-1.src.rpm-cosi-expand-archive-
  fAli7Rp4/HTML-Parser-3.72.tar.gz-cosi-expand-archive-R51wxDqL/HTML-Parser-3.72/Pars...
No license file was found, but licenses were detected in source scan.

=head1 EXAMPLE

$sh = HTTP::Headers->new;
$p = HTML::HeadParser->new($sh);
$p->parse("<EOT>
<title>Stupid example</title>
<base href="http://www.linpro.no/lwp/">
Normal text starts here.
EOT

undef $p;
print $sh->title;  # should print "Stupid example"

=head1 SEE ALSO

L<HTML::Parser>, L<HTTP::Headers>

The C<HTTP::Headers> class is distributed as part of the
L<libwww-perl> package. If you don't have that distribution installed
you need to provide the $header argument to the C<HTML::HeadParser>
constructor with your own object that implements the documented
protocol.

=head1 COPYRIGHT

Copyright 1996-2001 Gisle Aas. All rights reserved.

This library is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

=cut

Found in path(s):
* /opt/cola/permits/1137994247_1614192761.16/0/perl-HTML-Parser-3.72-14.el8-1.src.rpm-cosi-expand-archive-
  fAli7Rp4/HTML-Parser-3.72.tar.gz-cosi-expand-archive-R51wxDqL/HTML-Parser-3.72/lib/HTML/HeadParser.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

HTML::Filter - Filter HTML text through the parser

=head1 NOTE

B<This module is deprecated.> The C<HTML::Parser> now provides the functionally of C<HTML::Filter> much more efficiently with the C<default> handler.

=head1 SYNOPSIS

require HTML::Filter;
$p = HTML::Filter->new->parse_file("index.html");

=head1 DESCRIPTION

C<HTML::Filter> is an HTML parser that by default prints the original text of each HTML element (a slow version of cat(1) basically). The callback methods may be overridden to modify the filtering for some HTML elements and you can override output() method which is called to print the HTML text.

C<HTML::Filter> is a subclass of C<HTML::Parser>. This means that the document should be given to the parser by calling the $p->parse() or $p->parse_file() methods.

=head1 EXAMPLES

The first example is a filter that will remove all comments from an HTML file. This is achieved by simply overriding the comment method to do nothing.

package CommentStripper;
require HTML::Filter;
@ISA=qw(HTML::Filter);
sub comment { }  # ignore comments

The second example shows a filter that will remove any E&lt;TABLE&gt;s found in the HTML file. We specialize the start() and end() methods to count table tags and then make output not happen when inside a table.

package TableStripper;
require HTML::Filter;
@ISA=qw(HTML::Filter);
sub start
{
    my $self = shift;
    $self->{table_seen}++ if $_[0] eq "table";
    $self->SUPER::start(@_);
}

sub end
{
    my $self = shift;
    $self->SUPER::end(@_);
    $self->{table_seen}-- if $_[0] eq "table";
}

sub output
{
    my $self = shift;
    unless ($self->{table_seen}) {
        $self->SUPER::output(@_);
    }
}

If you want to collect the parsed text internally you might want to do
something like this:

package FilterIntoString;
require HTML::Filter;
@ISA=qw(HTML::Filter);
sub output { push(@$_[0]->{fhtml}), $_[1])
sub filtered_html { join(“”, @$_[0]->{fhtml})}

=head1 SEE ALSO
L<HTML::Parser>

=head1 COPYRIGHT

Copyright 1997-1999 Gisle Aas.

This library is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

=cut

Found in path(s):
No license file was found, but licenses were detected in source scan.

=head1 NAME

HTML::TokeParser - Alternative HTML::Parser interface

=head1 SYNOPSIS

```perl
require HTML::TokeParser;
$p = HTML::TokeParser->new("index.html") ||
    die "Can't open: $!";
$p->empty_element_tags(1);  # configure its behaviour

while (my $token = $p->get_token) {
    #...
}
```

=head1 DESCRIPTION

The C<HTML::TokeParser> is an alternative interface to the C<HTML::Parser> class. It is an C<HTML::PullParser> subclass with a predeclared set of token types. If you wish the tokens to be reported differently you probably want to use the C<HTML::PullParser> directly.

The following methods are available:

=over 4

=item $p = HTML::TokeParser->new( $filename, %opt );

=item $p = HTML::TokeParser->new( $filehandle, %opt );

=item $p = HTML::TokeParser->new( $document, %opt );

=over 4

The object constructor argument is either a file name, a file handle object, or the complete document to be parsed. Extra options can be provided as key/value pairs and are processed as documented by the base classes.

If the argument is a plain scalar, then it is taken as the name of a file to be opened and parsed. If the file can't be opened for reading, then the constructor will return C<undef> and $! will tell you why it failed.

If the argument is a reference to a plain scalar, then this scalar is taken to be the literal document to parse. The value of this scalar should not be changed before all tokens have been extracted.
Otherwise the argument is taken to be some object that the
C<HTML::TokeParser> can read() from when it needs more data. Typically
it will be a filehandle of some kind. The stream will be read() until
EOF, but not closed.

A newly constructed C<HTML::TokeParser> differ from its base classes
by having the C<unbroken_text> attribute enabled by default. See
L<HTML::Parser> for a description of this and other attributes that
influence how the document is parsed. It is often a good idea to enable
C<empty_element_tags> behaviour.

Note that the parsing result will likely not be valid if raw undecoded
UTF-8 is used as a source. When parsing UTF-8 encoded files turn
on UTF-8 decoding:

    open(my $fh, "<:utf8", "index.html") || die "Can't open 'index.html': $!";
    my $p = HTML::TokeParser->new( $fh );
    # ...

If a $filename is passed to the constructor the file will be opened in
raw mode and the parsing result will only be valid if its content is
Latin-1 or pure ASCII.

If parsing from an UTF-8 encoded string buffer decode it first:

    utf8::decode($document);
    my $p = HTML::TokeParser->new( $document );
    # ...

=item $p->get_token

This method will return the next I<token> found in the HTML document,
or C<undef> at the end of the document. The token is returned as an
array reference. The first element of the array will be a string
denoting the type of this token: "S" for start tag, "E" for end tag,
"T" for text, "C" for comment, "D" for declaration, and "PI" for
process instructions. The rest of the token array depend on the type
like this:

    ["S", $tag, $attr, $attrseq, $text]
    ["E", $tag, $text]
    ["T", $text, $is_data]
    ["C", $text]
    ["D", $text]
    ["PI", $token0, $text]

where $attr is a hash reference, $attrseq is an array reference and
the rest are plain scalars. The L<HTML::Parser/Argspec> explains the
details.

=item $p->unget_token( @tokens )

If you find you have read too many tokens you can push them back, so that they are returned the next time $p->get_token is called.

=item $p->get_tag

=item $p->get_tag( @tags )

This method returns the next start or end tag (skipping any other tokens), or C<undef> if there are no more tags in the document. If one or more arguments are given, then we skip tokens until one of the specified tag types is found. For example:

$pnget_tag("font", "/font");

will find the next start or end tag for a font-element.

The tag information is returned as an array reference in the same form as for $p->get_token above, but the type code (first element) is missing. A start tag will be returned like this:

[$tag, $attr, $attrseq, $text]

The tagname of end tags are prefixed with "/", i.e. end tag is returned like this:

["/"$tag", $text]

=item $p->get_text

=item $p->get_text( @endtags )

This method returns all text found at the current position. It will return a zero length string if the next token is not text. Any entities will be converted to their corresponding character.

If one or more arguments are given, then we return all text occurring before the first of the specified tags found. For example:

$pnget_text("p", "br");

will return the text up to either a paragraph of linebreak element.

The text might span tags that should be I<textified>. This is controlled by the $p->{textify} attribute, which is a hash that
defines how certain tags can be treated as text. If the name of a start tag matches a key in this hash then this tag is converted to text. The hash value is used to specify which tag attribute to obtain the text from. If this tag attribute is missing, then the upper case name of the tag enclosed in brackets is returned, e.g. "[IMG]". The hash value can also be a subroutine reference. In this case the routine is called with the start tag token content as its argument and the return value is treated as the text.

The default $p->{textify} value is:

{ img => "alt", applet => "alt" }

This means that <IMG> and <APPLET> tags are treated as text, and that the text to substitute can be found in the ALT attribute.

=item $p->get_trimmed_text

=item $p->get_trimmed_text( @endtags )

Same as $p->get_text above, but will collapse any sequences of white space to a single space character. Leading and trailing white space is removed.

=item $p->get_phrase

This will return all text found at the current position ignoring any phrasal-level tags. Text is extracted until the first non phrasal-level tag. Textification of tags is the same as for get_text(). This method will collapse white space in the same way as get_trimmed_text() does.

The definition of <i>phrasal-level tags</i> is obtained from the HTML::Tagset module.

=back
=head1 EXAMPLES

This example extracts all links from a document. It will print one line for each link, containing the URL and the textual description between the <A>...</A> tags:

use HTML::TokeParser;
$P = HTML::TokeParser->new(shift||"index.html");

while (my $token = $p->get_tag("a")) {
  my $url = $token->[1]{href} || ";";
  my $text = $token->{textify}
  print "URL: $url  Text: $text\n";
}

=back
This example extracts the <TITLE> from the document:

```perl
use HTML::TokeParser;
$p = HTML::TokeParser->new(shift||"index.html");
if ($p->get_tag("title")) {
    my $title = $p->get_trimmed_text;
    print "Title: $title\n";
}
```

=head1 SEE ALSO

L<HTML::PullParser>, L<HTML::Parser>

=head1 COPYRIGHT

Copyright 1998-2005 Gisle Aas.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

---

abstract: 'HTML parser class'
author:
- 'Gisle Aas <gisle@activestate.com>'
build_requires:
    ExtUtils::MakeMaker: 0
    Test::More: 0
configure_requires:
    ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.66, CPAN::Meta::Converter version 2.13380'
license: perl
meta-spec:
    url: http://module-build.sourceforge.net/META-spec-v1.4.html
    version: 1.4
name: HTML-Parser
no_index:
directory:
- t
- inc

recommends:
HTTP::Headers: 0

requires:
HTML::Tagset: 3
XSLoader: 0
perl: 5.008

resources:
MailingList: mailto:libwww@perl.org
repository: http://github.com/gisle/html-parser
version: 3.72

Found in path(s):

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 1999-2016, Gisle Aas
 * Copyright 1999-2000, Michael A. Chase
 *
 * This library is free software; you can redistribute it and/or
 * modify it under the same terms as Perl itself.
 */

Found in path(s):

No license file was found, but licenses were detected in source scan.

OVERVIEW

The HTML-Parser distribution is is a collection of modules that parse
and extract information from HTML documents. The modules present in
this collection are:

HTML::Parser - The parser base class. It receives arbitrary sized
chunks of the HTML text, recognizes markup elements, and
separates them from the plain text. As different kinds of markup
and text are recognized, the corresponding event handlers are
invoked.

HTML::Entities - Provides functions to encode and decode text with
embedded HTML &lt;entities&gt;.
HTML::HeadParser - A lightweight HTML::Parser subclass that extracts information from the <HEAD> section of an HTML document.

HTML::LinkExtor - An HTML::Parser subclass that extracts links from an HTML document.

HTML::PullParser - An alternative interface to the basic parser that does not require event driven programming.

HTML::TokeParser - An HTML::PullParser subclass with fixed token setup and methods for extracting text. Many simple parsing needs are probably best attacked with this module.

In addition take a look at the HTML-Tree package that build on HTML::Parser to create and extract information from HTML syntax trees (similar to HTML DOM).

PREREQUISITES

In order to install and use this package you will need Perl version 5.8 or better. The HTML::Tagset module should be installed.

If you intend to use the HTML::HeadParser you probably want to install libwww-perl too.

INSTALLATION

Just follow the usual procedure:

perl Makefile.PL
make
make test
make install

REPORTING BUGS

Bug reports and issues for discussion about these modules can be sent to the <libwww@perl.org> mailing list.

COPYRIGHT

1995-2016 Gisle Aas. All rights reserved.
1999-2000 Michael A. Chase. All rights reserved.
This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
No license file was found, but licenses were detected in source scan.

/ *
* Copyright 1999-2009, Gisle Aas.
* *
* This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
*/

Found in path(s):
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
No license file was found, but licenses were detected in source scan.

=back
=head1 EXAMPLE

This is an example showing how you can extract links from a document received using LWP:

use LWP::UserAgent;
use HTML::LinkExtor;
use URI::URL;

$url = "http://www.perl.org/"; # for instance
$ua = LWP::UserAgent->new;

# Set up a callback that collect image links
my @imgs = ();
sub callback {
    my($tag, %attr) = @_;
    return if $tag ne 'img'; # we only look closer at <img ...>
    push(@imgs, values %attr);
}
# Make the parser. Unfortunately, we don't know the base yet
# (it might be different from $url)
$p = HTML::LinkExtor->new(&callback);

# Request document and parse it as it arrives
$res = $ua->request(HTTP::Request->new(GET => $url),
    sub { $p->parse($_[0]) });

# Expand all image URLs to absolute ones
my $base = $res->base;
@imgs = map { $_ = url($_, $base)->abs; } @imgs;

# Print them out
print join("\n", @imgs), "\n";

=head1 SEE ALSO

L<HTML::Parser>, L<HTML::Tagset>, L<LWP>, L<URI::URL>

=head1 COPYRIGHT

Copyright 1996-2001 Gisle Aas.

This library is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

cut

Found in path(s):
No license file was found, but licenses were detected in source scan.
cut

=head1 NAME

HTML::Entities - Encode or decode strings with HTML entities

cut

=head1 SYNOPSIS

use HTML::Entities;

$a = "V\&aring;re norske tegn b\&oslash;r &###230res";
decode_entities($a);
encode_entities($a, "\200-\377");
For example, this:

```
$input = "vis-à-vis Beyoncé’s naïve	papier-mâché résumé";
print encode_entities($input), "\n"
```

Prints this out:

```
vis-à-vis Beyoncé’s naïve
				papier-mâché résumé
```

=head1 DESCRIPTION

This module deals with encoding and decoding of strings with HTML character entities. The module provides the following functions:

=over 4

=item decode_entities( $string, ... )

This routine replaces HTML entities found in the $string with the corresponding Unicode character. Unrecognized entities are left alone.

If multiple strings are provided as argument they are each decoded separately and the same number of strings are returned.

If called in void context the arguments are decoded in-place.

This routine is exported by default.

=item _decode_entities( $string, %entity2char )

=item _decode_entities( $string, %entity2char, $expand_prefix )

This will in-place replace HTML entities in $string. The %entity2char hash must be provided. Named entities not found in the %entity2char hash are left alone. Numeric entities are expanded unless their value overflow.

The keys in %entity2char are the entity names to be expanded and their values are what they should expand into. The values do not have to be single character strings. If a key has ";" as suffix, then occurrences in $string are only expanded if properly terminated with ";". Entities without ";" will be expanded regardless of how they are terminated for compatibility with how common browsers treat entities in the Latin-1 range.

If $expand_prefix is TRUE then entities without trailing ";" in
%entity2char will even be expanded as a prefix of a longer unrecognized name. The longest matching name in %entity2char will be used. This is mainly present for compatibility with an MSIE misfeature.

$string = "foo\nbspbar"
_decode_entities($string, { nb => "@", nbsp => "\xA0" }, 1);
print $string;  # will print "foo bar"

This routine is exported by default.

=item encode_entities( $string )

=item encode_entities( $string, $unsafe_chars )

This routine replaces unsafe characters in $string with their entity representation. A second argument can be given to specify which characters to consider unsafe. The unsafe characters is specified using the regular expression character class syntax (what you find within brackets in regular expressions).

The default set of characters to encode are control chars, high-bit chars, and the C<< < >>, C<< & >>, C<< > >>, C<< ' >> and C<< " >> characters. But this, for example, would encode I<just> the C<< < >>, C<< & >>, C<< > >>, and C<< " >> characters:

$encoded = encode_entities($input, '<>&"');

and this would only encode non-plain ascii:

$encoded = encode_entities($input, '^[\n\x20-\x25\x27-\x7e]');

This routine is exported by default.

=item encode_entities_numeric( $string )

=item encode_entities_numeric( $string, $unsafe_chars )

This routine works just like encode_entities, except that the replacement entities are always C<&#xI<hexnum>;> and never C<&I<entname>;>. For example, C<encode_entities("r\xF4le")> returns "r&ocirc;le", but C<encode_entities_numeric("r\xF4le")> returns "r&#xF4;le".

This routine is I<not> exported by default. But you can always export it with C<use HTML::Entities qw(encode_entities_numeric)> or even C<use HTML::Entities qw(DEFAULT encode_entities_numeric)>.

=back
All these routines modify the string passed as the first argument, if called in a void context. In scalar and array contexts, the encoded or decoded string is returned (without changing the input string).

If you prefer not to import these routines into your namespace, you can call them as:

```perl
use HTML::Entities ();
$decoded = HTML::Entities::decode($a);
$encoded = HTML::Entities::encode($a);
$encoded = HTML::Entities::encode_numeric($a);
```

The module can also export the `%char2entity` and the `%entity2char` hashes, which contain the mapping from all characters to the corresponding entities (and vice versa, respectively).

=head1 COPYRIGHT

Copyright 1995-2006 Gisle Aas. All rights reserved.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):

No license file was found, but licenses were detected in source scan.

=head1 NAME

HTML::PullParser - Alternative HTML::Parser interface

=head1 SYNOPSIS

use HTML::PullParser;

$parser = HTML::PullParser->new(file => "index.html",
   start => 'event, tagname, @attr',
   end   => 'event, tagname',
   ignore_elements => [qw(script style)],
) || die "Can't open: $!";

while (my $token = $parser->get_token) {
   #...do something with $token
}

```
DESCRIPTION

The HTML::PullParser is an alternative interface to the HTML::Parser class. It basically turns the HTML::Parser inside out. You associate a file (or any IO::Handle object or string) with the parser at construction time and then repeatedly call $parser->get_token to obtain the tags and text found in the parsed document.

The following methods are provided:

=item $p = HTML::PullParser->new( file => $file, %options )

=item $p = HTML::PullParser->new( doc => $doc, %options )

A C<HTML::PullParser> can be made to parse from either a file or a literal document based on whether the C<file> or C<doc> option is passed to the parser's constructor.

The C<file> passed in can either be a file name or a file handle object. If a file name is passed, and it can't be opened for reading, then the constructor will return an undefined value and $! will tell you why it failed. Otherwise the argument is taken to be some object that the C<HTML::PullParser> can read() from when it needs more data. The stream will be read() until EOF, but not closed.

A C<doc> can be passed plain or as a reference to a scalar. If a reference is passed then the value of this scalar should not be changed before all tokens have been extracted.

Next the information to be returned for the different token types must be set up. This is done by simply associating an argspec (as defined in L<HTML::Parser>) with the events you have an interest in. For instance, if you want C<start> tokens to be reported as the string C<'S'> followed by the tagname and the attributes you might pass an C<start>-option like this:

```
$p = HTML::PullParser->new( 
  doc => $document_to_parse, 
  start => "S", tagname, @attr', 
  end => "E", tagname', 
);
```

At last other C<HTML::Parser> options, like C<ignore_tags>, and C<unbroken_text>, can be passed in. Note that you should not use the I<event>_h options to set up parser handlers. That would confuse the inner logic of C<HTML::PullParser>.
=item $token = $p->get_token

This method will return the next I<token> found in the HTML document, or C<undef> at the end of the document. The token is returned as an array reference. The content of this array match the argspec set up during C<HTML::PullParser> construction.

=item $p->unget_token( @tokens )

If you find out you have read too many tokens you can push them back, so that they are returned again the next time $p->get_token is called.

=back

=head1 EXAMPLES

The 'eg/hform' script shows how we might parse the form section of HTML::Documents using HTML::PullParser.

=head1 SEE ALSO

L<HTML::Parser>, L<HTML::TokeParser>

=head1 COPYRIGHT

Copyright 1998-2001 Gisle Aas.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):

1.150 saxon 9.3.0.4
1.150.1 Available under license :
Mozilla Public License Version 1.1
1. Definitions.

1.0.1. "Commercial Use"
   means distribution or otherwise making the Covered Code available to a third party.
1.1. "Contributor"
   means each entity that creates or contributes to the creation of Modifications.
1.2. "Contributor Version"
   means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications
   made by that particular Contributor.

1.3. "Covered Code"
   means the Original Code or Modifications or the combination of the Original Code and Modifications, in each
case including portions thereof.

1.4. "Electronic Distribution Mechanism"
   means a mechanism generally accepted in the software development community for the electronic transfer of data.

1.5. "Executable"
   means Covered Code in any form other than Source Code.

1.6. "Initial Developer"
   means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

1.7. "Larger Work"
   means a work which combines Covered Code or portions thereof with code not governed by the terms of this
License.

1.8. "License"
   means this document.

1.8.1. "Licensable"
   means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or
subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications"
   means any addition to or deletion from the substance or structure of either the Original Code or any previous
Modifications. When Covered Code is released as a series of files, a Modification is:

   Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.
   Any new file that contains any part of the Original Code or previous Modifications.

1.10. "Original Code"
   means Source Code of computer software code which is described in the Source Code notice required by Exhibit
A as Original Code, and which, at the time of its release under this License is not already Covered Code governed
by this License.

1.10.1. "Patent Claims"
   means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and
apparatus claims, in any patent Licensable by grantor.

1.11. "Source Code"
   means the preferred form of the Covered Code for making modifications to it, including all modules it contains,
plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or
source code differential comparisons against either the Original Code or another well known, available Covered
Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the
appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" (or "Your")
   means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License
or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which
controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a)
the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise,
or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.
2. Source Code License.

2.1. The Initial Developer Grant.

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and

under Patents Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).

the licenses granted in this Section 2.1 (a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.

Notwithstanding Section 2.1 (b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by: i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.

2.2. Contributor Grant.

Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license

under intellectual property rights (other than patent or trademark) Licensable by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

the licenses granted in Sections 2.2 (a) and 2.2 (b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

Notwithstanding Section 2.2 (b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Application of License.

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder.
However, You may include an additional document offering the additional rights described in Section 3.5.

3.2. Availability of Source Code.

Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

3.3. Description of Modifications.

You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

3.4. Intellectual Property Matters

(a) Third Party Claims

If Contributor has knowledge that a license under a third party’s intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs

If Contributor's Modifications include an application programming interface and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the legal file.

(c) Representations.

Contributor represents that, except as disclosed pursuant to Section 3.4 (a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.

3.5. Required Notices.

You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial
3.6. Distribution of Executable Versions.

You may distribute Covered Code in Executable form only if the requirements of Sections 3.1, 3.2, 3.3, 3.4 and 3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.7. Larger Works.

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

4. Inability to Comply Due to Statute or Regulation.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the legal file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Application of this License.

This License applies to code to which the Initial Developer has attached the notice in Exhibit A and to related Covered Code.

6. Versions of the License.

6.1. New Versions

Netscape Communications Corporation ("Netscape") may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

6.2. Effect of New Versions

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Netscape. No one other than Netscape has the right to modify the terms applicable to Covered Code created under this License.

6.3. Derivative Works

If You create or use a modified version of this License (which you may only do in order to apply it to code which is
not already Covered Code governed by this License), You must (a) rename Your license so that the phrases "Mozilla", "MOZILLAPL", "MOZPL", "Netscape", "MPL", "NPL" or any confusingly similar phrase do not appear in your license (except to note that your license differs from this License) and (b) otherwise make it clear that Your version of the license contains terms which differ from the Mozilla Public License and Netscape Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)

7. Disclaimer of warranty

Covered code is provided under this license on an "as is" basis, without warranty of any kind, either expressed or implied, including, without limitation, warranties that the covered code is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the covered code is with you. Should any covered code prove defective in any respect, you (not the initial developer or any other contributor) assume the cost of any necessary servicing, repair or correction. This disclaimer of warranty constitutes an essential part of this license. No use of any covered code is authorized hereunder except under this disclaimer.

8. Termination

8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

8.2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as "Participant") alleging that:

such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.

any software, hardware, or device, other than such Participant's Contributor Version, directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1(b) and 2.2(b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that Participant.

8.3. If You assert a patent infringement claim against Participant alleging that such Participant's Contributor Version directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

8.4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.

9. Limitation of liability

Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall
you, the initial developer, any other contributor, or any distributor of covered code, or any supplier of any of such parties, be liable to any person for any indirect, special, incidental, or consequential damages of any character including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to you.

10. U.S. government end users


11. Miscellaneous

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformatted only to the extent necessary to make it enforceable. This License shall be governed by California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in the United States of America, any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

12. Responsibility for claims

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

13. Multiple-licensed code

Initial Developer may designate portions of the Covered Code as "Multiple-Licensed". "Multiple-Licensed" means that the Initial Developer permits you to utilize portions of the Covered Code under Your choice of the MPL or the alternative licenses, if any, specified by the Initial Developer in the file described in Exhibit A. Exhibit A - Mozilla Public License.

"The contents of this file are subject to the Mozilla Public License Version 1.1 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at https://www.mozilla.org/MPL/

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.
The Original Code is ________________________________.

The Initial Developer of the Original Code is ________________.

Portions created by ____________________ are Copyright (C) ______
______________________. All Rights Reserved.

Contributor(s): ______________________________________.

Alternatively, the contents of this file may be used under the terms of the ______ license (the "[___] License"), in which case the provisions of [____] License are applicable instead of those above. If you wish to allow use of your version of this file only under the terms of the [___] License and not to allow others to use your version of this file under the MPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the [___] License. If you do not delete the provisions above, a recipient may use your version of this file under either the MPL or the [___] License."

NOTE: The text of this Exhibit A may differ slightly from the text of the notices in the Source Code files of the Original Code. You should use the text of this Exhibit A rather than the text found in the Original Code Source Code for Your Modifications.

1.151 derbylocale-hu 10.14.2.0

1.151.1 Available under license:

========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the Apache Derby distribution. ==
== DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED ==
== BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE. ==
==
========================================================================

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

========================================================================

Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the "Software Grant and Corporate Contribution License Agreement", informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code with which this file is now or was at one time distributed and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

========================================================================= The portion of the functionTests under 'nist' was originally developed by the National Institute of Standards and Technology (NIST), an agency of the United States Department of Commerce, and adapted by International Business Machines Corporation in accordance with the NIST Software Acknowledgment and Redistribution document at http://www.itl.nist.gov/div897/ctg/sql_form.htm

========================================================================= The Derby build relies on source files supplied by the Apache Felix project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.
II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
- Apache License 2.0
- BSD License

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).
Includes software from other Apache Software Foundation projects, including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license
and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpbarrette/moman/overview/
The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0. See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0. See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checking Package (jaspell): http://jaspell.sourceforge.net/
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from http://snowball.tartarus.org/

The KStem stemmer in
analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic, Persian, Romanian, Bulgarian, and Hindi analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz
Nara Institute of Science and Technology (NAIST),
the copyright holders, disclaims all warranties with regard to this
software, including all implied warranties of merchantability and
fitness, in no event shall NAIST be liable for
any special, indirect or consequential damages or any damages
whatsoever resulting from loss of use, data or profits, whether in an
action of contract, negligence or other tortuous action, arising out
of or in connection with the use or performance of this software.

A large portion of the dictionary entries
originate from ICOT Free Software. The following conditions for ICOT
Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its
original form or modified, to any third party or parties, PROVIDED
that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
on, or be attached to, the Program, which is distributed substantially
in the same form as set out herein and that such intended
distribution, if actually made, will neither violate or otherwise
contravene any of the laws and regulations of the countries having
jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the
research and development conducted during the project and is provided
to users as so produced on an experimental basis. Accordingly, the
program is provided without any warranty whatsoever, whether express,
implied, statutory or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality,
performance, merchantability and fitness for a particular purpose of
the program and the nonexistence of any infringement or violation of
any right of any third party.

Each user of the program will agree and understand, and be deemed to
have agreed and understood, that there is no warranty whatsoever for
the program and, accordingly, the entire risk arising from or
otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other
organization that participated in or was otherwise related to the
development of the program and their respective officials, directors,
officers and other employees shall be held liable for any and all
damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

========================================================================

The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/.
The JSON simple jar file is licensed under the Apache 2.0 License.
No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.152 libpng 1.6.34 5.el8
1.152.1 Available under license :

Copyright (c) 1998-2008 Greg Roelofs. All rights reserved.

This software is provided "as is," without warranty of any kind, express or implied. In no event shall the author or contributors be held liable for any damages arising in any way from the use of
this software.

The contents of this file are DUAL-LICENSED. You may modify and/or redistribute this software according to the terms of one of the following two licenses (at your option):

LICENSE 1 ("BSD-like with advertising clause"):

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. Redistributions of source code must retain the above copyright notice, disclaimer, and this list of conditions.
2. Redistributions in binary form must reproduce the above copyright notice, disclaimer, and this list of conditions in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgment:

   This product includes software developed by Greg Roelofs and contributors for the book, "PNG: The Definitive Guide," published by O'Reilly and Associates.

LICENSE 2 (GNU GPL v2 or later):

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

---------------------------------------------------------------------------

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.
This copy of the libpng notices is provided for your convenience. In case of any discrepancy between this copy and the notices in the file png.h that is included in the libpng distribution, the latter shall prevail.

COPYRIGHT NOTICE, DISCLAIMER, and LICENSE:

If you modify libpng you may insert additional notices immediately following this sentence.

This code is released under the libpng license.

libpng versions 1.0.7, July 1, 2000 through 1.6.34, September 29, 2017 are Copyright (c) 2000-2002, 2004, 2006-2017 Glenn Randers-Pehrson, are derived from libpng-1.0.6, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors:

Simon-Pierre Cadieux
Eric S. Raymond
Mans Rullgard
Cosmin Truta
Gilles Vollant
James Yu
Mandar Sahastrabuddhe
Google Inc.
Vadim Barkov

and with the following additions to the disclaimer:

There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

Some files in the "contrib" directory and some configure-generated files that are distributed with libpng have other copyright owners and are released under other open source licenses.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998-2000 Glenn Randers-Pehrson, are derived from libpng-0.96, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

Tom Lane
Glenn Randers-Pehrson
Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are
Copyright (c) 1996-1997 Andreas Dilger, are derived from libpng-0.88,
and are distributed according to the same disclaimer and license as
libpng-0.88, with the following individuals added to the list of
Contributing Authors:

John Bowler
Kevin Bracey
Sam Bushell
Magnus Holmgren
Greg Roelofs
Tom Tanner

Some files in the "scripts" directory have other copyright owners
but are released under this license.

libpng versions 0.5, May 1995, through 0.88, January 1996, are
Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors"
is defined as the following set of individuals:

Andreas Dilger
Dave Martindale
Guy Eric Schalnat
Paul Schmidt
Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors
and Group 42, Inc. disclaim all warranties, expressed or implied,
including, without limitation, the warranties of merchantability and of
fitness for any purpose. The Contributing Authors and Group 42, Inc.
amsume no liability for direct, indirect, incidental, special, exemplary,
or consequential damages, which may result from the use of the PNG
Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this
source code, or portions hereof, for any purpose, without fee, subject
to the following restrictions:

1. The origin of this source code must not be misrepresented.

2. Altered versions must be plainly marked as such and must not
be misrepresented as being the original source.
3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

END OF COPYRIGHT NOTICE, DISCLAIMER, and LICENSE.

TRADEMARK:

The name "libpng" has not been registered by the Copyright owner as a trademark in any jurisdiction. However, because libpng has been distributed and maintained world-wide, continually since 1995, the Copyright owner claims “common-law trademark protection” in any jurisdiction where common-law trademark is recognized.

OSI CERTIFICATION:

Libpng is OSI Certified Open Source Software. OSI Certified Open Source is a certification mark of the Open Source Initiative. OSI has not addressed the additional disclaimers inserted at version 1.0.7.

EXPORT CONTROL:

The Copyright owner believes that the Export Control Classification Number (ECCN) for libpng is EAR99, which means not subject to export controls or International Traffic in Arms Regulations (ITAR) because it is open source, publicly available software, that does not contain any encryption software. See the EAR, paragraphs 734.3(b)(3) and 734.7(b).

Glenn Randers-Pehrson
glenrp at users.sourceforge.net
September 29, 2017

1.153 expect 5.45.4 5.el8
1.153.1 Available under license:

Expect

Written by: Don Libes, libes at nist.gov, NIST

Design and implementation of this program was paid for by U.S. tax dollars. Therefore it is public domain. However, the author and NIST
1.154 grep 3.1 6.el8
1.154.1 Available under license:

@c The GNU Free Documentation License.
@center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

@display
@uref{http://fsf.org/}
@end display

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

@enumerate
@item

PREAMBLE

The purpose of this License is to make a manual, textbook, or other
functional and useful document @dfn{free} in the sense of freedom: to
assure everyone the effective freedom to copy and redistribute it,
with or without modifying it, either commercially or noncommercially.
Secondarily, this License preserves for the author and publisher a way
to get credit for their work, while not being considered responsible
for modifications made by others.

This License is a kind of ``copyleft'', which means that derivative
works of the document must themselves be free in the same sense. It
complements the GNU General Public License, which is a copyleft
license designed for free software.

We have designed this License in order to use it for manuals for free
software, because free software needs free documentation: a free
program should come with manuals providing the same freedoms that the
software does. But this License is not limited to software manuals;
it can be used for any textual work, regardless of subject matter or
whether it is published as a printed book. We recommend this License
principally for works whose purpose is instruction or reference.

@item

APPLICABILITY AND DEFINITIONS
This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent.
An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item
VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other
conditions whatsoever to those of this License. You may not use
technical measures to obstruct or control the reading or further
copying of the copies you make or distribute. However, you may accept
compensation in exchange for copies. If you distribute a large enough
number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and
you may publicly display copies.

@item

COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have
printed covers) of the Document, numbering more than 100, and the
Document's license notice requires Cover Texts, you must enclose the
copies in covers that carry, clearly and legibly, all these Cover
Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on
the back cover. Both covers must also clearly and legibly identify
you as the publisher of these copies. The front cover must present
the full title with all words of the title equally prominent and
visible. You may add other material on the covers in addition.
Copying with changes limited to the covers, as long as they preserve
the title of the Document and satisfy these conditions, can be treated
as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit
legibly, you should put the first ones listed (as many as fit
reasonably) on the actual cover, and continue the rest onto adjacent
pages.

If you publish or distribute Opaque copies of the Document numbering
more than 100, you must either include a machine-readable Transparent
copy along with each Opaque copy, or state in or with each Opaque copy
a computer-network location from which the general network-using
public has access to download using public-standard network protocols
a complete Transparent copy of the Document, free of added material.
If you use the latter option, you must take reasonably prudent steps,
when you begin distribution of Opaque copies in quantity, to ensure
that this Transparent copy will remain thus accessible at the stated
location until at least one year after the last time you distribute an
Opaque copy (directly or through your agents or retailers) of that
edition to the public.

It is requested, but not required, that you contact the authors of the
Document well before redistributing any large number of copies, to give
them a chance to provide you with an updated version of the Document.
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate
A
@item
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.
Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains
nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item

COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item

COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents
released under this License, and replace the individual copies of this
License in the various documents with a single copy that is included in
the collection, provided that you follow the rules of this License for
verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute
it individually under this License, provided you insert a copy of this
License into the extracted document, and follow this License in all
other respects regarding verbatim copying of that document.

AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate
and independent documents or works, in or on a volume of a storage or
distribution medium, is called an “aggregate” if the copyright
resulting from the compilation is not used to limit the legal rights
of the compilation’s users beyond what the individual works permit.
When the Document is included in an aggregate, this License does not
apply to the other works in the aggregate which are not themselves
derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these
copies of the Document, then if the Document is less than one half of
the entire aggregate, the Document’s Cover Texts may be placed on
covers that bracket the Document within the aggregate, or the
electronic equivalent of covers if the Document is in electronic form.
Otherwise they must appear on printed covers that bracket the whole
aggregate.

TRANSLATION

Translation is considered a kind of modification, so you may
distribute translations of the Document under the terms of section 4.
Replacing Invariant Sections with translations requires special
permission from their copyright holders, but you may include
translations of some or all Invariant Sections in addition to the
original versions of these Invariant Sections. You may include a
translation of this License, and all the license notices in the
Document, and any Warranty Disclaimers, provided that you also include
the original English version of this License and the original versions
of those notices and disclaimers. In case of a disagreement between
the translation and the original version of this License or a notice
or disclaimer, the original version will prevail.

If a section in the Document is Entitled “Acknowledgements”,
“Dedications”, or “History”, the requirement (section 4) to Preserve
its Title (section 1) will typically require changing the actual title.

@item
TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License or any later version applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document
specifies that a proxy can decide which future versions of this License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item RELICENSING

``Massive Multiauthor Collaboration Site” (or “MMC Site”) means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A “Massive Multiauthor Collaboration” (or “MMC”) contained in the site means any set of copyrightable works thus published on the MMC site.

“CC-BY-SA” means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

“Incorporate” means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is “eligible for relicensing” if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page
@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document
under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the `"with@dots{}Texts."@: line with this:

@end smallexample
@end group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free
software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could
make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its
content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.
You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.
When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating
where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically
receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a
If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a
covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.> Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.155 jackson 2.11.1
1.155.1 Available under license:

# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

## Licensing
Jackson core and extension components may be licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com).

## Credits

A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.

This copy of Jackson JSON processor annotations is licensed under the Apache (Software) License, version 2.0 ("the License"). See the License for details about distribution rights, and the specific rights regarding derivate works.

You may obtain a copy of the License at:

http://www.apache.org/licenses/LICENSE-2.0

This copy of Jackson JSON processor streaming parser/generator is licensed under the Apache (Software) License, version 2.0 ("the License"). See the License for details about distribution rights, and the specific rights regarding derivate works.

You may obtain a copy of the License at:

http://www.apache.org/licenses/LICENSE-2.0

### 1.156 ding-libs 0.5.0-39.el8

#### 1.156.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version
of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.
If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.
For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.
To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid
circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent
works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some
f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.
Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".
A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are
specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General
Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.
The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.157 eclipse-persistence-asm 2.6.4

1.157.1 Available under license:

```html
<html>
<head>
<title>Eclipse License</title>
</head>

<body>

<div class=Section0>
<p align=center style='text-align:center'><b>License</b></p>
<p>The Eclipse Foundation makes available all content in this plug-in ("Content"). Unless otherwise indicated below, the Content is provided to you under the terms and conditions of the <a href="#EPL">Eclipse Public License Version 1.0 ("EPL")</a> and <a href="#EDL">Eclipse Distribution License Version 1.0 (EDL)</a>. For purposes of the EPL, "Program" will mean the Content. </p>
<p>If you did not receive this Content directly from the Eclipse Foundation, the Content is being redistributed by another party ("Redistributor") and different terms and conditions may apply to your use of any object code in the Content. Check the Redistributors license that was provided with the Content. If no such license exists, contact the Redistributor. Unless otherwise indicated below, the terms and conditions of the EPL and EDL still apply to any source code in the Content and such source code may be obtained at <a href="http://www.eclipse.org">http://www.eclipse.org</a>.</p>
</div>

<div class=Section1>
<p align=center style='text-align:center'><a name="EPL">Eclipse Public License - v 1.0</a></p>
<p>THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.</p>

<p>1. DEFINITIONS</p>

<p>&quot;Contribution&quot; means:

a)

</p>
```
in the case of the initial Contributor, the initial code and documentation
distributed under this Agreement, and<br>b) in the case of each subsequent Contributor:</p>

<p>i) changes to the Program, and</p>

<p>ii) additions to the Program;</p>

where<br>such changes and/or additions to the Program originate from and are distributed<br>by that particular Contributor. A Contribution 'originates' from a Contributor<br>if it was added to the Program by such Contributor itself or anyone acting on<br>such Contributor's behalf. Contributions do not include additions to the<br>Program which: (i) are separate modules of software distributed in conjunction<br>with the Program under their own license agreement, and (ii) are not derivative<br>works of the Program. </p>

"Contributor" means any person or<br>entity that distributes the Program.</p>

"Licensed Patents" mean patent<br>claims licensable by a Contributor which are necessarily infringed by the use<br>or sale of its Contribution alone or when combined with the Program. </p>

"Program" means the Contributions<br>distributed in accordance with this Agreement.</p>

"Recipient" means anyone who<br>receives the Program under this Agreement, including all Contributors.</p>

2. GRANT OF RIGHTS</p>

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient<br>a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare<br>derivative works of, publicly display, publicly perform, distribute and sublicense<br>the Contribution of such Contributor, if any, and such derivative works, in source<br>code and object code form.</p>

b) Subject to the terms of this Agreement, each Contributor hereby grants<br>Recipient a non-exclusive, worldwide, royalty-free<br>patent license under Licensed Patents to make, use, sell, offer to sell, import<br>and otherwise transfer the Contribution of such Contributor, if any, in source<br>code and object code form. This patent license shall apply to the combination<br>of the Contribution and the Program if, at the time the Contribution is added
by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.</p>

<p>c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.</p>

<p>d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.</p>

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that
Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange. </p>

When the Program is made available in source code form: </p>

a) it must be made available under this Agreement; and </p>

b) a copy of this Agreement must be included with each copy of the Program. </p>

Contributors may not remove or alter any copyright notices contained within the Program. </p>

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution. </p>

4. COMMERCIAL DISTRIBUTION</b> </p>

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense. </p>

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a
Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages. </p>

<p><b>5. NO WARRANTY</b></p>

<p>EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations. </p>

<p><b>6. DISCLAIMER OF LIABILITY</b></p>

<p>EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. </p>

<p><b>7. GENERAL</b></p>

<p>If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable. </p>

<p>If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed. </p>

<p>All Recipient's rights under this Agreement
shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive. <p></p>

<p>Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. </p>

<p>This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation. </p>

<p class=MsoNormal>&lt;![if !supportEmptyParas]&gt;&nbsp;&lt;![endif]&gt;&lt;o:p&gt;&lt;/o:p&gt;&lt;/p&gt;

</div>

<div class=Section2>
<p align=center style='text-align:center'><a name="EDL"><b>Eclipse Distribution License Version 1.0</b></a></p>

<p>Eclipse Distribution License Version 1.0</p>

<p>Copyright (c) 2007, Eclipse Foundation, Inc. and its licensors.</p>

<p>All rights reserved.</p>

<p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p>

<ul>
<li>Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.</li>
<li>Redistributions in binary form must reproduce the above copyright notice,
1.158 python-rpm-generators 5-4.el8

1.158.1 Available under license:

RPM and its source code are covered under two separate licenses.

The entire code base may be distributed under the terms of the GNU General Public License (GPL), which appears immediately below. Alternatively, all of the source code in the lib subdirectory of the RPM source code distribution as well as any code derived from that code may instead be distributed under the GNU Library General Public License (LGPL), at the choice of the distributor. The complete text of the LGPL appears at the bottom of this file.

This alternatively is allowed to enable applications to be linked against the RPM library (commonly called librpm) without forcing such applications to be distributed under the GPL.

Any questions regarding the licensing of RPM should be addressed to rpm-maint@lists.rpm.org

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General Public License instead of this License.

---------------------------------------------------------------------------

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.
Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the
library. The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your
9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.159 httpcomponents-client 4.2

1.159.1 Available under license :
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work.
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

This project contains annotations derived from JCIP-ANNOTATIONS
Copyright (c) 2005 Brian Goetz and Tim Peierls.
See http://www.jcip.net and the Creative Commons Attribution License
(http://creativecommons.org/licenses/by/2.5)
1.160 libmetalink 0.1.3 7.el8

1.160.1 Available under license:

The MIT License

Copyright (c) 2008 Tatsuhiro Tsujikawa

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.161 json-c 0.13.1

1.161.1 Available under license:

Copyright (c) 2009-2012 Eric Haszlakiewicz

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----------------------------------------------------------------

Copyright (c) 2004, 2005 Metaparadigm Pte Ltd

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.162 zopfli 2.4-2.el8

1.162.1 Available under license:

Mark Adler
Jyrki Alakuijala
Frédéric Kayser
Jeffrey Lim
Daniel Reed
Huzaifa Sidhpurwala
Pter Szab
Lode Vandevenne
Derek Buitenhuys

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works...
that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright 2011 Google Inc.

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.163 attr 2.4.48 3.el8

1.163.1 Available under license :

Most components of the "attr" package are licensed under
Version 2.1 of the GNU Lesser General Public License (see below).
below.

Some components (as annotated in the source) are licensed
under Version 2 of the GNU General Public License (see COPYING).

--------------------------------------------------------------------------------

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries
If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software: you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
Most components of the "attr" package are licensed under Version 2.1 of the GNU Lesser General Public License (see COPYING.LGPL).

Some components (as annotated in the source) are licensed under Version 2 of the GNU General Public License (see below),

----------------------------------------------------------------------
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.164 firewalld 0.7.0-5.el8

1.164.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and “any
later version”, you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.165 apache-servicemix-bundles-antlr
2.7.7_5
1.165.1 Available under license :

SOFTWARE RIGHTS

ANTLR 1989-2006 Developed by Terence Parr
Partially supported by University of San Francisco & jGuru.com

We reserve no legal rights to the ANTLR--it is fully in the
public domain. An individual or company may do whatever
they wish with source code distributed with ANTLR or the
code generated by ANTLR, including the incorporation of
ANTLR, or its output, into commerical software.

We encourage users to develop software with ANTLR. However,
we do ask that credit is given to us for developing
ANTLR. By "credit", we mean that if you use ANTLR or
incorporate any source code into one of your programs
(commercial product, research project, or otherwise) that
you acknowledge this fact somewhere in the documentation,
research report, etc... If you like ANTLR and have
developed a nice tool with the output, please mention that
you developed it using ANTLR. In addition, we ask that the
headers remain intact in our source code. As long as these
guidelines are kept, we expect to continue enhancing this
system and expect to make other tools available as they are
completed.

The primary ANTLR guy:

Terence Parr
parrt@cs.usfca.edu
parrt@antlr.org
[The "BSD licence"]
Copyright (c) 2002-2005 Kunle Odutola
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code MUST RETAIN the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form MUST REPRODUCE the above copyright
   notice, this list of conditions and the following disclaimer in
   the documentation and/or other materials provided with the
distribution.
3. The name of the author may not be used to endorse or promote products
   derived from this software without specific prior WRITTEN permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.166 sg3-utils 1.44 3.el8
1.166.1 Available under license :

Upstream Authors: Douglas Gilbert <dgilbert at interlog dot com>,
   Bruce Allen <ballen at gravity dot phys dot uwm dot edu>,
   Peter Allworth <linsol at zeta dot org dot au>,
   James Bottomley <jejb at parisc-linux dot org>,
   Lars Marowsky-Bree <lmb at suse dot de>,
   Kurt Garloff <garloff at suse dot de>,
   Grant Grundler <grundler at parisc-linux dot org>,
   Christophe Varoqui <christophe dot varoqui at free dot fr>,
   Michael Weller <eowmob at exp-math dot uni-essen dot de>,
   Eric Youngdale <eric at andante dot org>

Copyright:

This software is copyright(c) 1994-2012 by the authors
Most of the code in this package is covered by a BSD license. On Debian systems, the complete text of the BSD License can be found in `/usr/share/common-licenses/BSD'. All the code in the library (usually called libsgutils) is covered by a BSD license.

Some of the older utilities are covered by the GPL. More precisely: You are free to distribute this software under the terms of the GNU General Public License either version 2, or (at your option) any later version. On Debian systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL-2' file. The later GPL-3 is found in `/usr/share/common-licenses/GPL-3' file but no code in this package refers to that license.

Douglas Gilbert
10th April 2012

Copyright (c) 1999-2018, Douglas Gilbert
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.167 commons-cli 1.0
1.167.1 Available under license:
No license file was found, but licenses were detected in source scan.

/*
* The Apache Software License, Version 1.1

* Copyright (c) 1999-2001 The Apache Software Foundation. All rights
* reserved.

* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:

* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.

* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in
* the documentation and/or other materials provided with the
* distribution.

* 3. The end-user documentation included with the redistribution, if
* any, must include the following acknowledgement:
* "This product includes software developed by the
* Apache Software Foundation (http://www.apache.org/)."
* Alternately, this acknowledgement may appear in the software itself,
* if and wherever such third-party acknowledgements normally appear.

* 4. The names "The Jakarta Project", "Commons", and "Apache Software
* Foundation" must not be used to endorse or promote products derived
* from this software without prior written permission. For written
* permission, please contact apache@apache.org.

* 5. Products derived from this software may not be called "Apache"
* nor may "Apache" appear in their names without prior written
* permission of the Apache Group.

* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,  
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT  
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
* SUCH DAMAGE.

* =========================================================================

* This software consists of voluntary contributions made by many  
* individuals on behalf of the Apache Software Foundation. For more  
* information on the Apache Software Foundation, please see  

*/

/*

  Found in path(s):
  */
  */
  */
  */
  */

  /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-jar/org/apache/commons/cli/PatternOptionBuilder.java

  No license file was found, but licenses were detected in source scan.

  */
  */
  */
  */
  */

  */
  */
  */
  */
  */

  $Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/AlreadySelectedException.java,v 1.4 2002/06/06 09:37:26 jstrachan Exp $  
  */
  */
  */

  $Revision: 1.4 $  
  */
  */
  */

  $Date: 2002/06/06 09:37:26 $  
  */
  */

  =========================================================================

  The Apache Software License, Version 1.1

  Copyright (c) 1999-2001 The Apache Software Foundation. All rights  
  reserved.

  Redistribution and use in source and binary forms, with or without  
  modification, are permitted provided that the following conditions  
  are met:

  1. Redistributions of source code must retain the above copyright  
     notice, this list of conditions and the following disclaimer.

  2. Redistributions in binary form must reproduce the above copyright  
     notice, this list of conditions and the following disclaimer in  
     the documentation and/or other materials provided with the  
     distribution.

  3. The end-user documentation included with the redistribution, if  
     any, must include the following acknowledgement:

        "This product includes software developed by the  
        Apache Software Foundation (http://www.apache.org/)."

Open Source Used In CSPC_Collector 2.9.1 1492
Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names "The Jakarta Project", "Commons", and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.

5. Products derived from this software may not be called "Apache" nor may "Apache" appear in their names without prior written permission of the Apache Group.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.

This file was found in path(s):

```
/opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-jar/org/apache/commons/cli/AlreadySelectedException.java
```

No license file was found, but licenses were detected in source scan.
Copyright (c) 1999-2001 The Apache Software Foundation. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgement:
   "This product includes software developed by the Apache Software Foundation (http://www.apache.org/)."
   Alternately, this acknowledgement may appear in the software itself, if and wherever such third-party acknowledgements normally appear.

4. The names "The Jakarta Project", "Commons", and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.

5. Products derived from this software may not be called "Apache" nor may "Apache" appear in their names without prior written permission of the Apache Group.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see
No license file was found, but licenses were detected in source scan.

* The Apache Software License, Version 1.1

* Copyright (c) 1999-2001 The Apache Software Foundation. All rights
  reserved.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 
* 1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
* 
* 2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in
   the documentation and/or other materials provided with the
   distribution.
* 
* 3. The end-user documentation included with the redistribution, if
* any, must include the following acknowledgement:
*    "This product includes software developed by the
*    Apache Software Foundation (http://www.apache.org/)."
* Alternately, this acknowlegement may appear in the software itself,
* if and wherever such third-party acknowlegements normally appear.
* 
* 4. The names "The Jakarta Project", "Commons", and "Apache Software
* Foundation" must not be used to endorse or promote products derived
* from this software without prior written permission. For written
* permission, please contact apache@apache.org.
* 
* 5. Products derived from this software may not be called "Apache"
* nor may "Apache" appear in their names without prior written
permission of the Apache Group.

* THIS SOFTWARE IS PROVIDED `AS IS` AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the Apache Software Foundation. For more
information on the Apache Software Foundation, please see

*/

Found in path(s):
  */opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-
  jar/org/apache/commons/cli/CommandLine.java
  */opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-
  jar/org/apache/commons/cli/HelpFormatter.java

No license file was found, but licenses were detected in source scan.

/*
* 22:59:43 jkeyes Exp $
* $Revision: 1.10 $
* $Date: 2002/09/19 22:59:43 $
* *
* ====================================================================
* *
* The Apache Software License, Version 1.1
* *
* Copyright (c) 1999-2001 The Apache Software Foundation. All rights
* reserved.
* *
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* *
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.

* 2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in
   the documentation and/or other materials provided with the
   distribution.

* 3. The end-user documentation included with the redistribution, if
   any, must include the following acknowledgement:
   "This product includes software developed by the
   Apache Software Foundation (http://www.apache.org/)."
   Alternately, this acknowledgement may appear in the software itself,
   if and wherever such third-party acknowledgements normally appear.

* 4. The names "The Jakarta Project", "Commons", and "Apache Software
   Foundation" must not be used to endorse or promote products derived
   from this software without prior written permission. For written
   permission, please contact apache@apache.org.

* 5. Products derived from this software may not be called "Apache"
   nor may "Apache" appear in their names without prior written
   permission of the Apache Group.

* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
  WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
  OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
  DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
  ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
  SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
  LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
  USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
  ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
  OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
  OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
  SUCH DAMAGE.

*====================================================================*

* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see

* */

Found in path(s):
* /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-
  jar/org/apache/commons/cli/GnuParser.java
No license file was found, but licenses were detected in source scan.

/*
 * $Revision: 1.7 $
 * $Date: 2002/10/24 23:17:49 $
 * *
 * ====================================================================
 * *
 * The Apache Software License, Version 1.1
 * *
 * Copyright (c) 1999-2001 The Apache Software Foundation. All rights
 * reserved.
 * *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * *
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * *
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in
 * the documentation and/or other materials provided with the
 * distribution.
 * *
 * 3. The end-user documentation included with the redistribution, if
 * any, must include the following acknowledgement:
 * "This product includes software developed by the
 * Apache Software Foundation (http://www.apache.org/)."
 * Alternately, this acknowledgement may appear in the software itself,
 * if and wherever such third-party acknowledgements normally appear.
 * *
 * 4. The names "The Jakarta Project", "Commons", and "Apache Software
 * Foundation" must not be used to endorse or promote products derived
 * from this software without prior written permission. For written
 * permission, please contact apache@apache.org.
 * *
 * 5. Products derived from this software may not be called "Apache"
 * nor may "Apache" appear in their names without prior written
 * permission of the Apache Group.
 * *
 * THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
 * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
 * DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
 * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
*
*/

Found in path(s):
* /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-
  jar/org/apache/commons/cli/Parser.java
No license file was found, but licenses were detected in source scan.

/*
 * $Header: /home/cvs/jakarta-commons-
 * sandbox/cli/src/java/org/apache/commons/cli/MissingArgumentException.java,v 1.2 2002/06/06 09:37:26 jstrachan
 * Exp $
 * $Revision: 1.2 $
 * $Date: 2002/06/06 09:37:26 $
 *
 * The Apache Software License, Version 1.1
 *
 * Copyright (c) 1999-2001 The Apache Software Foundation. All rights
 * reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in
 * the documentation and/or other materials provided with the
 * distribution.
 *
 * 3. The end-user documentation included with the redistribution, if
* any, must include the following acknowledgment:
* "This product includes software developed by the
* Apache Software Foundation (http://www.apache.org/)."
* Alternately, this acknowledgment may appear in the software itself,
* if and wherever such third-party acknowledgments normally appear.
*
* 4. The names "The Jakarta Project", "Commons", and "Apache Software
* Foundation" must not be used to endorse or promote products derived
* from this software without prior written permission. For written
* permission, please contact apache@apache.org.
*
* 5. Products derived from this software may not be called "Apache"
* nor may "Apache" appear in their names without prior written
* permission of the Apache Group.
*
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*=====================================================================
*
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
*
*/

Found in path(s):
* /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-
  jar/org/apache/commons/cli/MissingArgumentException.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /home/cvs/jakarta-commons/cli/src/java/org/apache/commons/cli/PosixParser.java,v 1.11 2002/09/19
  22:59:43 jkeyes Exp $
* $Revision: 1.11 $
* $Date: 2002/09/19 22:59:43 $
* *
*=====================================================================
The Apache Software License, Version 1.1

Copyright (c) 1999-2001 The Apache Software Foundation. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:
   "This product includes software developed by the Apache Software Foundation (http://www.apache.org/)."
   Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names "The Jakarta Project", "Commons", and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.

5. Products derived from this software may not be called "Apache" nor may "Apache" appear in their names without prior written permission of the Apache Group.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
*
*/

Found in path(s):
* /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-
  jar/org/apache/commons/cli/PosixParser.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /home/cvs/jakarta-commons/cli/src/java/org/apache/commons/cli/CommandLineParser.java,v 1.4
* 2002/09/19 22:59:43 jkeyes Exp $
* $Revision: 1.4 $
* $Date: 2002/09/19 22:59:43 $
*
* ====================================================================
* The Apache Software License, Version 1.1
*
* Copyright (c) 1999-2001 The Apache Software Foundation. All rights
* reserved.
* *
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* *
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* *
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in
* the documentation and/or other materials provided with the
* distribution.
* *
* 3. The end-user documentation included with the redistribution, if
* any, must include the following acknowledgement:
* "This product includes software developed by the
* Apache Software Foundation (http://www.apache.org/)."
* Alternately, this acknowlegement may appear in the software itself,
* if and wherever such third-party acknowlegements normally appear.
* *
* 4. The names "The Jakarta Project", "Commons", and "Apache Software
* Foundation" must not be used to endorse or promote products derived
* from this software without prior written permission. For written
* permission, please contact apache@apache.org.
* 5. Products derived from this software may not be called "Apache"
* nor may "Apache" appear in their names without prior written
* permission of the Apache Group.
*
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
* ====================================================================
*
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
* *
* */

Found in path(s):
* /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-
  jar/org/apache/commons/cli/CommandLineParser.java

No license file was found, but licenses were detected in source scan.

/*
* $Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/Options.java,v 1.5
2002/06/06 22:32:37 bayard Exp $ 
* $Revision: 1.5 $ 
* $Date: 2002/06/06 22:32:37 $ 
* 
* ====================================================================
* 
* The Apache Software License, Version 1.1 
* 
* Copyright (c) 1999-2001 The Apache Software Foundation. All rights
* reserved. 
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 
* Open Source Used In CSPC_Collector 2.9.1 1503
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgement:
   "This product includes software developed by the Apache Software Foundation (http://www.apache.org/)."
   Alternately, this acknowledgement may appear in the software itself, if and wherever such third-party acknowledgements normally appear.

4. The names "The Jakarta Project", "Commons", and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.

5. Products derived from this software may not be called "Apache" nor may "Apache" appear in their names without prior written permission of the Apache Group.

* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

* =-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=

* This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.

* /

Found in path(s):
* /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-jar/org/apache/commons/cli/Options.java
No license file was found, but licenses were detected in source scan.

/*
 * $Revision: 1.6 $
 * $Date: 2002/06/06 22:50:14 $
 * 
 * ====================================================================
 * 
 * The Apache Software License, Version 1.1
 * 
 * Copyright (c) 1999-2001 The Apache Software Foundation. All rights
 * reserved.
 * 
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * 
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in
 * the documentation and/or other materials provided with the
 * distribution.
 * 
 * 3. The end-user documentation included with the redistribution, if
 * any, must include the following acknowledgment:
 * "This product includes software developed by the
 * Apache Software Foundation (http://www.apache.org/)."
 * Alternately, this acknowledgment may appear in the software itself,
 * if and wherever such third-party acknowledgments normally appear.
 * 
 * 4. The names "The Jakarta Project", "Commons", and "Apache Software
 * Foundation" must not be used to endorse or promote products derived
 * from this software without prior written permission. For written
 * permission, please contact apache@apache.org.
 * 
 * 5. Products derived from this software may not be called "Apache"
 * nor may "Apache" appear in their names without prior written
 * permission of the Apache Group.
 * 
 * THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
 * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
 * DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
 * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

* ====================================================================

* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
*
* */
/*

* Copyright (C) The Apache Software Foundation. All rights reserved.
*
* This software is published under the terms of the Apache Software License
* version 1.1, a copy of which has been included with this distribution in
* the LICENSE file.
*
* $Id: Option.java,v 1.6 2002/06/06 22:50:14 bayard Exp $
*/

Found in path(s):
* /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-
  jar/org/apache/commons/cli/Option.java
No license file was found, but licenses were detected in source scan.

/*
* $Revision: 1.2 $
* $Date: 2002/06/06 09:37:26 $
*/

* The Apache Software License, Version 1.1
*
* Copyright (c) 1999-2001 The Apache Software Foundation. All rights
* reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
*
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.

* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in
* the documentation and/or other materials provided with the
* distribution.

* 3. The end-user documentation included with the redistribution, if
* any, must include the following acknowledgement:
* "This product includes software developed by the
* Apache Software Foundation (http://www.apache.org/)."
* Alternately, this acknowledgement may appear in the software itself,
* if and wherever such third-party acknowledgements normally appear.

* 4. The names "The Jakarta Project", "Commons", and "Apache Software
* Foundation" must not be used to endorse or promote products derived
* from this software without prior written permission. For written
* permission, please contact apache@apache.org.

* 5. Products derived from this software may not be called "Apache"
* nor may "Apache" appear in their names without prior written
* permission of the Apache Group.

* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APCNE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

*=====================================================================

* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see

* /

Found in path(s):
*/opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-jar/org/apache/commons/cli/UnrecognizedOptionException.java
No license file was found, but licenses were detected in source scan.

/*
* $Revision: 1.3 $
* $Date: 2002/09/19 22:59:43 $
* 
* The Apache Software License, Version 1.1
* 
* Copyright (c) 1999-2001 The Apache Software Foundation. All rights
* reserved.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in
* the documentation and/or other materials provided with the
* distribution.
* 
* 3. The end-user documentation included with the redistribution, if
* any, must include the following acknowledgment:
* "This product includes software developed by the
* Apache Software Foundation (http://www.apache.org/)."
* Alternately, this acknowledgment may appear in the software itself,
* if and wherever such third-party acknowledgments normally appear.
* 
* 4. The names "The Jakarta Project", "Commons", and "Apache Software
* Foundation" must not be used to endorse or promote products derived
* from this software without prior written permission. For written
* permission, please contact apache@apache.org.
* 
* 5. Products derived from this software may not be called "Apache"
* nor may "Apache" appear in their names without prior written
* permission of the Apache Group.
* 
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

* ==========================================================================
*
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
*
*/

Found in path(s):
* /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-
  jar/org/apache/commons/cli/BasicParser.java
No license file was found, but licenses were detected in source scan.

/*
 * $Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/OptionGroup.java,v 1.2
 * 2002/06/06 09:37:26 jstrachan Exp $
 * $Revision: 1.2 $
 * $Date: 2002/06/06 09:37:26 $
 * 
 * ==========================================================================
 *
 * The Apache Software License, Version 1.1
 *
 * Copyright (c) 1999-2001 The Apache Software Foundation. All rights
 * reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in
 * the documentation and/or other materials provided with the
 * distribution.
 *
 * 3. The end-user documentation included with the redistribution, if
 * any, must include the following acknowledgement:
"This product includes software developed by the
Apache Software Foundation (http://www.apache.org/)."
Alternately, this acknowledgment may appear in the software itself,
if and wherever such third-party acknowledgments normally appear.

4. The names "The Jakarta Project", "Commons", and "Apache Software
Foundation" must not be used to endorse or promote products derived
from this software without prior written permission. For written
permission, please contact apache@apache.org.

5. Products derived from this software may not be called "Apache"
nor may "Apache" appear in their names without prior written
permission of the Apache Group.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the Apache Software Foundation. For more
information on the Apache Software Foundation, please see

This product includes software developed by the
Apache Software Foundation (http://www.apache.org/)."
Alternately, this acknowledgment may appear in the software itself,
if and wherever such third-party acknowledgments normally appear.

4. The names "The Jakarta Project", "Commons", and "Apache Software
Foundation" must not be used to endorse or promote products derived
from this software without prior written permission. For written
permission, please contact apache@apache.org.

5. Products derived from this software may not be called "Apache"
nor may "Apache" appear in their names without prior written
permission of the Apache Group.

This software consists of voluntary contributions made by many
individuals on behalf of the Apache Software Foundation. For more
information on the Apache Software Foundation, please see

No license file was found, but licenses were detected in source scan.

$Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/MissingOptionException.java,v 1.2 2002/06/06 09:37:26 jstrachan
Exp $  
$Revision: 1.2 $  
$Date: 2002/06/06 09:37:26 $  

Open Source Used In CSPC_Collector 2.9.1 1510
* The Apache Software License, Version 1.1
* Copyright (c) 1999-2001 The Apache Software Foundation. All rights
  reserved.
* Redistribution and use in source and binary forms, with or without
  modification, are permitted provided that the following conditions
  are met:
* 1. Redistributions of source code must retain the above copyright
    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
    notice, this list of conditions and the following disclaimer in
    the documentation and/or other materials provided with the
    distribution.
* 3. The end-user documentation included with the redistribution, if
    any, must include the following acknowledgement:
    "This product includes software developed by the
    Apache Software Foundation (http://www.apache.org/)."
    Alternately, this acknowledgement may appear in the software itself,
    if and wherever such third-party acknowledgements normally appear.
* 4. The names "The Jakarta Project", "Commons", and "Apache Software
    Foundation" must not be used to endorse or promote products derived
    from this software without prior written permission. For written
    permission, please contact apache@apache.org.
* 5. Products derived from this software may not be called "Apache"
    nor may "Apache" appear in their names without prior written
    permission of the Apache Group.
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
  WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
  OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
  DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
  ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
  SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
  LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
  USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
  ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
  OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
  OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
  SUCH DAMAGE.
===================================================================
This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.

No license file was found, but licenses were detected in source scan.

The Apache Software License, Version 1.1

Copyright (c) 1999-2001 The Apache Software Foundation. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The end-user documentation included with the redistribution, if any, must include the following acknowledgement:
   "This product includes software developed by the Apache Software Foundation (http://www.apache.org/)."
   Alternately, this acknowledgement may appear in the software itself, if and wherever such third-party acknowledgements normally appear.
4. The names "The Jakarta Project", "Commons", and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.
5. Products derived from this software may not be called "Apache" nor may "Apache" appear in their names without prior written permission of the Apache Group.

* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.

No license file was found, but licenses were detected in source scan.

$Revision: 1.2 $
$Date: 2002/06/06 22:49:36 $

* The Apache Software License, Version 1.1
* Copyright (c) 1999-2001 The Apache Software Foundation. All rights reserved.
* Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
*
* 1. Redistributions of source code must retain the above copyright
   * notice, this list of conditions and the following disclaimer.
   *
   * 2. Redistributions in binary form must reproduce the above copyright
   * notice, this list of conditions and the following disclaimer in
   * the documentation and/or other materials provided with the
   * distribution.
   *
   * 3. The end-user documentation included with the redistribution, if
   * any, must include the following acknowledgment:
   * "This product includes software developed by the
   * Apache Software Foundation (http://www.apache.org/)."
   * Alternately, this acknowledgment may appear in the software itself,
   * if and wherever such third-party acknowledgments normally appear.
   *
   * 4. The names "The Jakarta Project", "Commons", and "Apache Software
   * Foundation" must not be used to endorse or promote products derived
   * from this software without prior written permission. For written
   * permission, please contact apache@apache.org.
   *
   * 5. Products derived from this software may not be called "Apache"
   * nor may "Apache" appear in their names without prior written
   * permission of the Apache Group.
   *
   * THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
   * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
   * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
   * DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
   * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
   * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
   * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
   * USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
   * ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
   * OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
   * OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
   * SUCH DAMAGE.
   *
   *===================================================================
   *
   * This software consists of voluntary contributions made by many
   * individuals on behalf of the Apache Software Foundation. For more
   * information on the Apache Software Foundation, please see
   *
   */

Found in path(s):
* /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-jar/org/apache/commons/cli/TypeHandler.java
1.168 perl-socket 2.027 3.el8

1.168.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these
conditions, and telling the user how to view a copy of this General Public License.

d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based
on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the
commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the
basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.
c) give non-standard executables non-standard names, and clearly
document the differences in manual pages (or equivalent), together
with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this
Package. You may charge any fee you choose for support of this
Package. You may not charge a fee for this Package itself. However,
you may distribute this Package in aggregate with other (possibly
commercial) programs as part of a larger (possibly commercial) software
distribution provided that you do not advertise this Package as a
product of your own. You may embed this Package's interpreter within
an executable of yours (by linking); this shall be construed as a mere
form of aggregation, provided that the complete Standard Version of the
interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as
output from the programs of this Package do not automatically fall
under the copyright of this Package, but belong to whoever generated
them, and may be sold commercially, and may be aggregated with this
Package. If such scripts or library files are aggregated with this
Package via the so-called "undump" or "unexec" methods of producing a
binary executable image, then distribution of such an image shall
neither be construed as a distribution of this Package nor shall it
fall under the restrictions of Paragraphs 3 and 4, provided that you do
not represent such an executable image as a Standard Version of this
Package.

7. C subroutines (or comparably compiled subroutines in other
languages) supplied by you and linked into this Package in order to
emulate subroutines and variables of the language defined by this
Package shall not be considered part of this Package, but are the
equivalent of input as in Paragraph 6, provided these subroutines do
not change the language in any way that would cause it to fail the
regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always
permitted provided that the use of this Package is embedded; that is,
when no overt attempt is made to make this Package's interfaces visible
to the end user of the commercial distribution. Such use shall not be
construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote
products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED
The End
This code was extracted from the Perl 5 core at perl 5.15.5.

The original licence reads as follows:
-----

This program is free software; you can redistribute it and/or modify
it under the terms of either:

a) the GNU General Public License as published by the Free
Software Foundation; either version 1, or (at your option) any
later version, or

b) the "Artistic License" which comes with this Kit.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See either
the GNU General Public License or the Artistic License for more details.

You should have received a copy of the Artistic License with this
Kit, in the file named "Artistic". If not, I'll be glad to provide one.

You should also have received a copy of the GNU General Public License
along with this program in the file named "Copying". If not, write to the
Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor,
Boston, MA 02110-1301, USA or visit their web page on the internet at

1.169 libnetfilter-conntrack 1.0.6 5.el8
1.169.1 Available under license :

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation’s software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author’s protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors’ reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone’s free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
close compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.170 dash 0.5.10.2-4.el8
1.170.1 Available under license:
Copyright (c) 1989-1994
The Regents of the University of California. All rights reserved.
Copyright (c) 1997 Christos Zoulas. All rights reserved.
Copyright (c) 1997-2005
Herbert Xu <herbert@gondor.apana.org.au>. All rights reserved.
This code is derived from software contributed to Berkeley by Kenneth Almquist.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

mksignames.c:

This file is not directly linked with dash. However, its output is.

Copyright (C) 1992 Free Software Foundation, Inc.

This file is part of GNU Bash, the Bourne Again SHell.

Bash is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

Bash is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License with your Debian GNU/Linux system, in /usr/share/common-licenses/GPL, or with the
Debian GNU/Linux hello source package as the file COPYING. If not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111 USA.

1.171 websocket 1.1.FR

1.171.1 Available under license:

Found license 'General Public License 2.0' in 'Copyright (c) 2012-2014 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'Common Development and Distribution License (CDDL) 1.1' in 'Copyright (c) 2012-2014 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in '* Copyright (c) 2013 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") * or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the * "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in '* Copyright (c) 2012-2014 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") * or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the * "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in '* Copyright (c) 2012-2013 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") * or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the * "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'

1.172 squashfs-tools 4.3 19.el8

1.172.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.
10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.173 servlet-api 1.0
1.173.1 Available under license:
The GNU General Public License (GPL)

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license
document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share
and change it. By contrast, the GNU General Public License is intended to
guarantee your freedom to share and change free software--to make sure the
software is free for all its users. This General Public License applies to
most of the Free Software Foundation's software and to any other program whose
authors commit to using it. (Some other Free Software Foundation software is
covered by the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not price. Our
General Public Licenses are designed to make sure that you have the freedom to
distribute copies of free software (and charge for this service if you wish),
that you receive source code or can get it if you want it, that you can change
the software or use pieces of it in new free programs; and that you know you
can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny
you these rights or to ask you to surrender the rights. These restrictions
translate to certain responsibilities for you if you distribute copies of the
software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for
a fee, you must give the recipients all the rights that you have. You must
make sure that they, too, receive or can get the source code. And you must
show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2)
offer you this license which gives you legal permission to copy, distribute
and/or modify the software.

Also, for each author's protection and ours, we want to make certain that
everyone understands that there is no warranty for this free software. If the
software is modified by someone else and passed on, we want its recipients to
know that what they have is not the original, so that any problems introduced
by others will not reflect on the original authors' reputations.
Finally, any free program is threatened constantly by software patents. We
wish to avoid the danger that redistributors of a free program will
individually obtain patent licenses, in effect making the program proprietary.
To prevent this, we have made it clear that any patent must be licensed for
everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification
follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice
placed by the copyright holder saying it may be distributed under the terms of
this General Public License. The "Program", below, refers to any such program
or work, and a "work based on the Program" means either the Program or any
derivative work under copyright law: that is to say, a work containing the
Program or a portion of it, either verbatim or with modifications and/or
translated into another language. (Hereinafter, translation is included
without limitation in the term "modification".) Each licensee is addressed as
"you".

Activities other than copying, distribution and modification are not covered by
this License; they are outside its scope. The act of running the Program is
not restricted, and the output from the Program is covered only if its contents
constitute a work based on the Program (independent of having been made by
running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as
you receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice and
disclaimer of warranty; keep intact all the notices that refer to this License
and to the absence of any warranty; and give any other recipients of the
Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may
at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus
forming a work based on the Program, and copy and distribute such modifications
or work under the terms of Section 1 above, provided that you also meet all of
these conditions:

   a) You must cause the modified files to carry prominent notices stating
      that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or
      in part contains or is derived from the Program or any part thereof, to be
licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only
for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all.
For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of
software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR
THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE
STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE
PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND
PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE,
YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL
ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE
THE
PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR
INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA
BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER
OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible
use to the public, the best way to achieve this is to make it free software
which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach
them to the start of each source file to most effectively convey the exclusion
of warranty; and each file should have at least the "copyright" line and a
pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it
under the terms of the GNU General Public License as published by the Free
Software Foundation; either version 2 of the License, or (at your option)
any later version.

This program is distributed in the hope that it will be useful, but WITHOUT
ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or
FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for
more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

  Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'. This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

  Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

  signature of Ty Coon, 1 April 1989

  Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL

Certain source files distributed by Oracle America and/or its affiliates are subject to the following clarification and special exception to the GPL, but only where Oracle has expressly included in the particular source file's header the words "Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the LICENSE file that accompanied this code."

  Linking this library statically or dynamically with other modules is making

Open Source Used In CSPC_Collector 2.9.1 1546
a combined work based on this library. Thus, the terms and conditions of
the GNU General Public License cover the whole combination.

As a special exception, the copyright holders of this library give you
permission to link this library with independent modules to produce an
executable, regardless of the license terms of these independent modules,
and to copy and distribute the resulting executable under terms of your
choice, provided that you also meet, for each linked independent module,
the terms and conditions of the license of that module. An independent
module is a module which is not derived from or based on this library. If
you modify this library, you may extend this exception to your version of
the library, but you are not obligated to do so. If you do not wish to do
so, delete this exception statement from your version.

1.174 util-linux 2.32.1
1.174.1 Available under license :
/*
 * Copyright (c) 1989 The Regents of the University of California.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
 * documentation and/or other materials provided with the distribution.
 * 3. All advertising materials mentioning features or use of this software
 * must display the following acknowledgement:
 * This product includes software developed by the University of
 * California, Berkeley and its contributors.
 * 4. Neither the name of the University nor the names of its contributors
 * may be used to endorse or promote products derived from this software
 * without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF

Open Source Used In CSPC_Collector 2.9.1 1547
* SUCH DAMAGE.
*/
This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

The complete text of the license is available in the ../Documentation/licenses/COPYING.LGPLv2.1 file.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your

POSSIBILITY OF SUCH DAMAGES.
school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Open Source Used In CSPC_Collector 2.9.1 1555
This library is free software; you can redistribute it and/or modify it under the terms of the Modified BSD License.

The complete text of the license is available in the ../Documentation/licenses/COPYING.BSD-3 file.

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

1.175 libvmtools 11.1.0-2.el8

1.175.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.
Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.
GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above,

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.
That's all there is to it!

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

LICENSE

Open-vm-tools v10.3.0

The Linux kernel modules are released under the GPL v2, a majority of the user level components are released under the LGPL v2.1, and the SVGA and mouse drivers are released under the X11 license.

Copyright 2007-2018 VMware, Inc. All rights reserved.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted
interfaces, the original copyright holder who places the Program under this License may add an explicit 
geographical distribution limitation excluding those countries, so that distribution is permitted only in or among 
countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this 
License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time 
to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new 
problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License 
which applies to it and "any later version", you have the option of following the terms and conditions either of that 
version or of any later version published by the Free Software Foundation. If the Program does not specify a version 
number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are 
different, write to the author to ask for permission. For software which is copyrighted by the Free Software 
Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be 
guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the 
sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE 
PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE 
STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM 
"AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT 
NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A 
PARTicular PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE 
PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF 
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY 
COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE 
PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, 
SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY 
TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING 
RENdered INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF 
THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER 
PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

========

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.
When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its
The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.
   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
   a) The modified work must itself be a software library.
   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

   These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

   Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

   In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object
code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.
11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

==========

X11 License

Copyright (c) <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

==========

Open-vm-tools v10.3.0 includes a number of subcomponents with separate copyright notices and license terms. Your use of the source code for these subcomponents is subject to the terms and conditions of the following licenses.

SECTION 1: BSD-STYLE, MIT-STYLE, OR SIMILAR STYLE LICENSES

>>> freebsd-base64-4.8
>>> unicode-5.0

==================================================================
SECTION 1: BSD-STYLE, MIT-STYLE, OR SIMILAR STYLE LICENSES

BSD-STYLE, MIT-STYLE, OR SIMILAR STYLE LICENSES are applicable to the following component(s).

>> freebsd-base64-4.8

base64.c -- routines to encode/decode base64 data
$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ / 
This work is part of OpenLDAP Software <http://www.openldap.org/>.

Copyright 1998-2006 The OpenLDAP Foundation.
Portions Copyright 1995 IBM Corporation.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted only as authorized by the OpenLDAP
Public License.

A copy of this license is available in the file LICENSE in the
top-level directory of the distribution or, alternatively, at

The OpenLDAP Public License
Version 2.8, 17 August 2003

Redistribution and use of this software and associated documentation
("Software"), with or without modification, are permitted provided
that the following conditions are met:

1. Redistributions in source form must retain copyright statements
   and notices,

2. Redistributions in binary form must reproduce applicable copyright
   statements and notices, this list of conditions, and the following
   disclaimer in the documentation and/or other materials provided
   with the distribution, and

3. Redistributions must contain a verbatim copy of this document.

The OpenLDAP Foundation may revise this license from time to time.
Each revision is distinguished by a version number. You may use
this Software under terms of this license revision or under the
terms of any subsequent revision of the license.

THIS SOFTWARE IS PROVIDED BY THE OPENLDAP FOUNDATION AND ITS
CONTRIBUTORS "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OPENLDAP FOUNDATION, ITS CONTRIBUTORS, OR THE AUTHOR(S) OR OWNER(S) OF THE SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The names of the authors and copyright holders must not be used in advertising or otherwise to promote the sale, use or other dealing in this Software without specific, written prior permission. Title to copyright in this Software shall at all times remain with copyright holders.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Copyright 1999-2003 The OpenLDAP Foundation, Redwood City, California, USA. All Rights Reserved. Permission to copy and distribute verbatim copies of this document is granted.

ADDITIONAL LICENSE INFORMATION:

Portions Copyright (c) 1996, 1998 by Internet Software Consortium.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

This work is based upon Base64 routines (developed by IBM) found Berkeley Internet Name Daemon (BIND) as distributed by ISC. They were adapted for inclusion in OpenLDAP Software by Kurt D. Zeilenga.

>>> unicode-5.0

Copyright (c) 2008 VMware, Inc. All rights reserved.
Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

[OPENVMTOOLS1030GANV061518]

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. "Contributor" means each individual or entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. "Covered Software" means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. "Executable" means the Covered Software in any form other than Source Code.
1.5. "Initial Developer" means the individual or entity that first makes Original Software available under this License.

1.6. "Larger Work" means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. "License" means this document.

1.8. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modifications; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. "Original Software" means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. "Source Code" means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty
2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other
Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of:
(1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or
You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.


You may create a Larger Work by combining Covered Software with
other code not governed by the terms of this License and
distribute the Larger Work as a single product. In such a case,
You must make sure the requirements of this License are fulfilled
for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Sun Microsystems, Inc. is the initial license steward and may
publish revised and/or new versions of this License from time to
time. Each version will be given a distinguishing version number.
Except as provided in Section 4.3, no one other than the license
steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the
Covered Software available under the terms of the version of the
License under which You originally received the Covered Software.
If the Initial Developer includes a notice in the Original
Software prohibiting it from being distributed or otherwise made
available under any subsequent version of the License, You must
distribute and make the Covered Software available under the terms
of the version of the License under which You originally received
the Covered Software. Otherwise, You may also choose to use,
distribute or otherwise make the Covered Software available under
the terms of any subsequent version of the License published by
the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new
license for Your Original Software, You may create and use a
modified version of this License if You: (a) rename the license
and remove any references to the name of the license steward
(except to note that the license differs from this License); and
(b) otherwise make it clear that the license contains terms which
differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS"
BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED,
INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED
SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR
PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND
PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY
COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as "Participant") alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN
INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction’s conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.
As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.176 txw2 2.3.0

1.176.1 Available under license:

Found license 'General Public License 2.0' in 'Copyright (c) 2005-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License' Found license 'General Public License 2.0' in 'Copyright (c) 2005-2017 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License' Found license 'Common Development and Distribution License (CDDL) 1.1' in 'Copyright (c) 2005-2017 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle
designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in "* Copyright (c) 2005-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License // This class is in the Public Domain. NO WARRANTY! * Public Domain, and comes with <strong>NO WARRANTY</strong>."</em>

Found license 'General Public License 2.0' in "* Copyright (c) 2005-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License // NO WARRANTY! This class is in the public domain.'

1.177 derbyoptionaltools 10.14.2.0

1.177.1 Available under license:

===========================================================================
NOTICE file corresponding to section 4(d) of the Apache License,
Version 2.0, in this case for the Apache Derby distribution.

DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED
BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE.

===========================================================================

Apache Derby
Copyright 2004-2014 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

===========================================================================

Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
"Software Grant and Corporate Contribution License Agreement",
informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code
with which this file is now or was at one time distributed
and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.
The portion of the functionTests under 'nist' was originally developed by the National Institute of Standards and Technology (NIST), an agency of the United States Department of Commerce, and adapted by International Business Machines Corporation in accordance with the NIST Software Acknowledgment and Redistribution document at http://www.itl.nist.gov/div897/ctg/sql_form.htm

The JDBC apis for small devices and JDBC3 (under java/stubs/jsr169 and java/stubs/jdbc3) were produced by trimming sources supplied by the Apache Harmony project. In addition, the Harmony SerialBlob and SerialClob implementations are used. The following notice covers the Harmony sources:

Portions of Harmony were originally developed by Intel Corporation and are licensed to the Apache Software Foundation under the "Software Grant and Corporate Contribution License Agreement", informally known as the "Intel Harmony CLA".

The Derby build relies on source files supplied by the Apache Felix project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at The Apache Software Foundation (http://www.apache.org/). Licensed under the Apache License 2.0.

This product includes software developed at The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002, 2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
- Apache License 2.0
- BSD License

========================================================================

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects,
including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license
and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such
as the Unicode Character Database. See http://unicode.org/copyright.html for more
details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/
The Levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0. See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0. See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin g Package (jaspell): http://jaspell.sourceforge.net/ License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
  analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
  analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from http://snowball.tartarus.org/

The KStem stemmer in
  analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic, Persian, Romanian, Bulgarian, and Hindi analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
  analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
  analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
  analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
  analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
  analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:
  analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
  analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from
mecab-ipadic-2.7.0-20070801

which can be obtained from
http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST), the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and fitness, in no event shall NAIST be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortuous action, arising out of or in connection with the use or performance of this software.

A large portion of the dictionary entries originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or
otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTI
or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.178 hawtdispatch 1.11

1.179 geronimo-annotation-spec 1.1.1

1.179.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

===========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the Apache Geronimo distribution. ==
===========================================================================

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

===========================================================================
== Geronimo Web Console Notice ==
===========================================================================

Portions of the Web Console were originally developed by International Business Machines Corporation and are licensed to the Apache Software Foundation under the "Software Grant and Corporate Contribution License Agreement", informally known as the "IBM Console CLA".

===========================================================================
== ANTLR Notice ==
===========================================================================

This product includes software developed by the ANTLR project. (http://www.antlr.org/)

===========================================================================
== Castor Notice ==
===========================================================================

This product includes software developed by the Exolab project. (http://www.exolab.org/)

===========================================================================
== Derby Notice ==
===========================================================================

Portions of Derby were originally developed by International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
"Software Grant and Corporate Contribution License Agreement",
informally known as the "Derby CLA".

The portion of the functionTests under 'nist' was originally
developed by the National Institute of Standards and Technology (NIST),
an agency of the United States Department of Commerce, and adapted by
International Business Machines Corporation in accordance with the NIST
Software Acknowledgment and Redistribution document at
http://www.itl.nist.gov/div897/ctg/sql_form.htm

=========================================================================
==  DOM4J Notice                                                      ==
=========================================================================
This product includes software developed by the DOM4J Project
(http://www.dom4j.org).

=========================================================================
==  JDBM Notice                                                       ==
=========================================================================
This product includes software developed by the JDBM Project
(http://jdbm.sourceforge.net/).

=========================================================================
==  JDOM Notice                                                       ==
=========================================================================
This product includes software developed by the JDOM Project
(http://www.jdom.org/).

=========================================================================
==  MX4J Notice                                                       ==
=========================================================================
This product includes software developed by the MX4J project
(http://sourceforge.net/projects/mx4j).

=========================================================================
==  WSDL4J Notice                                                     ==
=========================================================================
The Program includes all or portions of the following software which is subject to the Common Public License ("CPL Code"). This software consists of voluntary contributions made by many individuals on behalf of the WSDL4J project.

You may download the source version of the WSDL4J component at http://sourceforge.net/projects/wsdl4j

=========================================================================
==  Xerces Notice ==
=========================================================================
 Portions of this software were originally based on the following:
- voluntary contributions made by Paul Eng on behalf of the Apache Software Foundation that were originally developed at iClick, Inc., software copyright (c) 1999.

=========================================================================
==  XmlBeans Notice ==
=========================================================================
 Portions of this software were originally based on the following:

Aside from contributions to the Apache XMLBeans project, this software also includes:

- one or more source files from the Apache Xerces-J and Apache Axis products, Copyright (c) 1999-2003 Apache Software Foundation

- W3C XML Schema documents Copyright 2001-2003 (c) World Wide Web Consortium (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University)

- resolver.jar from Apache Xml Commons project,
  Copyright (c) 2001-2003 Apache Software Foundation

- Piccolo XML Parser for Java from http://piccolo.sourceforge.net/,
  Copyright 2002 Yuval Oren under the terms of the Apache Software License 2.0

=========================================================================
==  XPP3 Notice ==
=========================================================================
This product includes software developed by the Indiana University
Extreme! Lab (http://www.extreme.indiana.edu/).
The following copyright notice(s) were affixed to portions of the code
with which this file is now or was at one time distributed
and are placed here unaltered.

(C) Copyright 2004, 2005 International Business Machines Corporation. All rights reserved.

1.180 acl 2.2.53-1.el8

1.180.1 Available under license:
Most components of the "acl" package are licensed under
Version 2.1 of the GNU Lesser General Public License (see COPYING.LGPL).

Some components (as annotated in the source) are licensed
under Version 2 of the GNU General Public License (see below),

----------------------------------------------------------

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.
Most components of the "acl" package are licensed under
Version 2.1 of the GNU Lesser General Public License (see below).
below.

Some components (as annotated in the source) are licensed
under Version 2 of the GNU General Public License (see COPYING).

---------------------------------------------------------------------
GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages—typically libraries—of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that
any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a
"work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy,
and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library

Open Source Used In CSPC_Collector 2.9.1 1625
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.181 httpcomponents-mime 4.5.2
1.181.1 Available under license:

Apache HttpComponents Mime
Copyright 1999-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work, 
where such license applies only to those patent claims licensable 
by such Contributor that are necessarily infringed by their 
Contribution(s) alone or by combination of their Contribution(s) 
with the Work to which such Contribution(s) was submitted. If You 
institute patent litigation against any entity (including a 
cross-claim or counterclaim in a lawsuit) alleging that the Work 
or a Contribution incorporated within the Work constitutes direct 
or contributory patent infringement, then any patent licenses 
granted to You under this License for that Work shall terminate 
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the 
Work or Derivative Works thereof in any medium, with or without 
modifications, and in Source or Object form, provided that You 
meet the following conditions:

(a) You must give any other recipients of the Work or 
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices 
    stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works 
    that You distribute, all copyright, patent, trademark, and 
    attribution notices from the Source form of the Work, 
    excluding those notices that do not pertain to any part of 
    the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its 
    distribution, then any Derivative Works that You distribute must 
    include a readable copy of the attribution notices contained 
    within such NOTICE file, excluding those notices that do not 
    pertain to any part of the Derivative Works, in at least one 
    of the following places: within a NOTICE text file distributed 
    as part of the Derivative Works; within the Source form or 
    documentation, if provided along with the Derivative Works; or, 
    within a display generated by the Derivative Works, if and 
    wherever such third-party notices normally appear. The contents 
    of the NOTICE file are for informational purposes only and 
    do not modify the License. You may add Your own attribution 
    notices within Derivative Works that You distribute, alongside 
    or as an addendum to the NOTICE text from the Work, provided 
    that such additional attribution notices cannot be construed 
    as modifying the License.

You may add Your own copyright statement to Your modifications and 
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
your Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.182 log4j-api 2.14.0

1.182.1 Available under license:

Apache Log4j API
Copyright 1999-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
1.183 perl-xml-parser 2.44-11.el8

1.183.1 Available under license:

No license file was found, but licenses were detected in source scan.

# All rights reserved.
# This program is free software; you can redistribute it and/or
# modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137994009_1614192596.03/0/perl-XML-Parser-2.44-11.el8-1.src.rpm-cosi-expand-archive-v7zaYmbr/XML-Parser-2.44.tar.gz-cosi-expand-archive-LExXCcwS/XML-Parser-2.44/Parser.pm

No license file was found, but licenses were detected in source scan.

---

abstract: 'A perl module for parsing XML documents'
author:
  - 'Clark Cooper (coopercc@netheaven.com)'
build_requires:
  Test::More: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.04, CPAN::Meta::Converter version 2.143240'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: XML-Parser
no_index:
directory:
- t
- inc

requires:
  LWP::UserAgent: '0'
  perl: '5.00405'
resources:
  repository: http://github.com/toddr/XML-Parser
  version: '2.44'

Found in path(s):
* /opt/cola/permits/1137994009_1614192596.03/0/perl-XML-Parser-2.44-11.el8-1.src.rpm-cosi-expand-archive-
v7zaYmbr/XML-Parser-2.44.tar.gz-cosi-expand-archive-LExXCcwS/XML-Parser-2.44/META.yml
  No license file was found, but licenses were detected in source scan.

/*********************************************************************************
** Expat.xs
**
** Copyright 1998 Larry Wall and Clark Cooper
** All rights reserved.
**
** This program is free software; you can redistribute it and/or
** modify it under the same terms as Perl itself.
**
*/

Found in path(s):
* /opt/cola/permits/1137994009_1614192596.03/0/perl-XML-Parser-2.44-11.el8-1.src.rpm-cosi-expand-archive-
v7zaYmbr/XML-Parser-2.44.tar.gz-cosi-expand-archive-LExXCcwS/XML-Parser-2.44/Expat/Expat.xs
  No license file was found, but licenses were detected in source scan.

# LWPExternEnt.pl
#
# Copyright (c) 2000 Clark Cooper
# All rights reserved.
#
# This program is free software; you can redistribute it and/or
# modify it under the same terms as Perl itself.

package XML::Parser;

use URI;
use URI::file;
use LWP::UserAgent;

##
## Note that this external entity handler reads the entire entity into
## memory, so it will choke on huge ones. It would be really nice if
## LWP::UserAgent optionally returned us an IO::Handle.
##
sub lwp_ext_ent_handler {
my ($xp, $base, $sys) = @_; # We don't use public id
my $uri;
if (defined $base) {
# Base may have been set by parsefile, which is agnostic about
# whether its a file or URI.
my $base_uri = new URI($base);
unless (defined $base_uri->scheme) {
$base_uri = URI->new_abs($base_uri, URI::file->cwd);
}
$uri = URI->new_abs($sys, $base_uri);
}
else {
$uri = new URI($sys);
unless (defined $uri->scheme) {
$uri = URI->new_abs($uri, URI::file->cwd);
}
}
my $ua = $xp->{_lwpagent};
unless (defined $ua) {
$ua = $xp->{_lwpagent} = new LWP::UserAgent();
$ua->env_proxy();
}
my $req = new HTTP::Request('GET', $uri);
my $res = $ua->request($req);
if ($res->is_error) {
$xp->{ErrorMessage} .= "\n" . $res->status_line . " $uri";
return undef;
}
$xp->{_BaseStack} ||= [];
push(@{$xp->{_BaseStack}}, $base);
$xp->base($uri);
return $res->content;
} # End lwp_ext_ent_handler
sub lwp_ext_ent_cleanup {
my ($xp) = @_;

Open Source Used In CSPC_Collector 2.9.1 1643


$xp->base(pop(@{$xp->{_BaseStack}}));
} # End lwp_ext_ent_cleanup

1;

Found in path(s):
No license file was found, but licenses were detected in source scan.

/**********************************************************************************
** encoding.h
**
** Copyright 1998 Clark Cooper
** All rights reserved.
**
** This program is free software; you can redistribute it and/or
** modify it under the same terms as Perl itself.
*/

Found in path(s):
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/cola/permits/1137994009_1614192596.03/0/perl-XML-Parser-2.44-11.el8-1.src.rpm-cosi-expand-archive-v7zaYmbr/perl-XML-Parser.spec
No license file was found, but licenses were detected in source scan.

XML::Parser Version 2.40

Copyright (c) 1998-2000 Larry Wall and Clark Cooper.
All rights reserved.
This program is free software; you can redistribute it and/or modify it
under the same terms as Perl itself.

This is a Perl extension interface to James Clark's XML parser, expat.
It requires at least version 5.004 of perl and it requires that you have
release 1.95.0 or greater of expat installed. You can download expat
from http://sourceforge.net/projects/expat/

Best way is to install expat development package with your OS package manager.
Debian/Ubuntu/similar: libexpat1-dev (old versions: expat-dev)
After that run `cpan XML::Parser`.

You can install this module from OS package too, but CPAN has most fresh version.
CentOS/RHEL/Fedora: perl-XML-Parser
Debian/Ubuntu/similar: should be already installed

XML::Parser installation requires gcc, so on MacOS X you need to download and run Xcode from Mac app store (~1.5 GB)

The documentation for this extension can be found in pod format at the end of the files Parser.pm and Expat/Expat.pm. The perldoc program, provided with the perl distribution, can be used to view this documentation.

This was modified from the original XML::Parser created by Larry Wall.

-------------

To manually install this module, cd to the directory that contains this README file and type the following:

perl Makefile.PL

Alternatively, if you plan to install XML::Parser somewhere other than your system's perl library directory. You can type something like this:

perl Makefile.PL PREFIX=/home/me/perl INSTALLDIRS=perl

Then to build you run make.

make

You can then test the module by typing:

make test

There are some sample utilities in the samples directory along with an xml form of the XML specification to test them on. You may need to change the '#!' line at the top of these utilities to what is appropriate for your system. If you're going to play around with them prior to installing the module, you would need to add the blib paths to your perl search path, like this (assuming your current directory is samples):

    perl -I../blib/lib -I../blib/arch xmlcomments REC-xml-19980210.xml

or set your PERLLIB environment variable.

If you have write access to the installation directories, you may then
install by typing:

make install

Discussion on features and bugs of this software and general discussion on topics relating to perl and XML takes place on the perl-xml mailing list, to which you can subscribe by sending mail to:

subscribe-perl-xml@lyris.activestate.com

Differences from Version 2.30
==================================

Version 2.31 is a minor bugfix release to allow XML::Parser to work under the forthcoming Perl 5.8.0 release. There are no functional changes.

Differences from Version 2.29
==================================

Expat is no longer included with this package. It must now be already installed on your system as a library. You may download the library version of expat from http://sourceforge.net/projects/expat/. After downloading, expat must be configured (an automatic script does this), built and installed.

A workaround has been provided for those people who couldn't compile Expat.xs with a perl 5.6.0 with USE_5005THREADS on.

A bug that prevented IO::Handler from being read by the parse method has been fixed.

Fixed a bug in reading external entities with incremental parsing.

Clark Cooper
coopercc@netheaven.com

Found in path(s):

1.184 ding-libs 0.7.0-39.el8
1.184.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked
Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are
based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the
object code and/or source code for the Application, including any data
and utility programs needed for reproducing the Combined Work from the
Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License
without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.
If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among
these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.
"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.
The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works
for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section
7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the
c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent
that they are valid under applicable law. If additional permissions
apply only to part of the Program, that part may be used separately
under those permissions, but the entire Program remains governed by
this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part of
it. (Additional permissions may be written to require their own
removal in certain cases when you modify the work.) You may place
additional permissions on material, added by you to a covered work,
for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you
add to a covered work, you may (if authorized by the copyright holders of
that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or
modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could
give under the previous paragraph, plus a right to possession of the
Corresponding Source of the work from the predecessor in interest, if
the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the
rights granted or affirmed under this License. For example, you may
not impose a license fee, royalty, or other charge for exercise of
rights granted under this License, and you may not initiate litigation
(including a cross-claim or counterclaim in a lawsuit) alleging that
any patent claim is infringed by making, using, selling, offering for
sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The
work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims
owned or controlled by the contributor, whether already acquired or
hereafter acquired, that would be infringed by some manner, permitted
by this License, of making, using, or selling its contributor version,
but do not include claims that would be infringed only as a
consequence of further modification of the contributor version. For
purposes of this definition, "control" includes the right to grant
patent sublicenses in a manner consistent with the requirements of
this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free
patent license under the contributor's essential patent claims, to
make, use, sell, offer for sale, import and otherwise run, modify and
propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express
agreement or commitment, however denominated, not to enforce a patent
(such as an express permission to practice a patent or covenant not to
sue for patent infringement). To "grant" such a patent license to a
party means to make such an agreement or commitment not to enforce a
patent against the party.

If you convey a covered work, knowingly relying on a patent license,
and the Corresponding Source of the work is not available for anyone
to copy, free of charge and under the terms of this License, through a
publicly available network server or other readily accessible means,
then you must either (1) cause the Corresponding Source to be so
available, or (2) arrange to deprive yourself of the benefit of the
patent license for this particular work, or (3) arrange, in a manner
consistent with the requirements of this License, to extend the patent

license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have
permission to link or combine any covered work with a work licensed
under version 3 of the GNU Affero General Public License into a single
combined work, and to convey the resulting work. The terms of this
License will continue to apply to the part which is the covered work,
but the special requirements of the GNU Affero General Public License,
section 13, concerning interaction through a network will apply to the
combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of
the GNU General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the
Program specifies that a certain numbered version of the GNU General
Public License "or any later version" applies to it, you have the
option of following the terms and conditions either of that numbered
version or of any later version published by the Free Software
Foundation. If the Program does not specify a version number of the
GNU General Public License, you may choose any version ever published
by the Free Software Foundation.

If the Program specifies that a proxy can decide which future
versions of the GNU General Public License can be used, that proxy's
public statement of acceptance of a version permanently authorizes you
to choose that version for the Program.

Later license versions may give you additional or different
permissions. However, no additional obligations are imposed on any
author or copyright holder as a result of your choosing to follow a
later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.
If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.185 perl-carp 1.42-396.el8

1.185.1 Available under license :

No license file was found, but licenses were detected in source scan.

NAME

Carp - alternative warn and die for modules

DESCRIPTION

The Carp routines are useful in your own modules because they act like die() or warn(), but with a message which is more likely to be useful to a user of your module. In the case of cluck, confess, and longmess that context is a summary of every call in the call-stack. For a shorter message you can use carp or croak which report the error as being from where your module was called. There is no guarantee that that is where the error was, but it is a good educated guess.

You can also alter the way the output and logic of Carp works, by changing some global variables in the Carp namespace.
INSTALLATION

perl Makefile.PL
make
make test
make install

AUTHOR

The Carp module first appeared in Larry Wall's perl 5.000 distribution. Since then it has been modified by several of the perl 5 porters. Andrew Main (Zefram) <zefram@fysh.org> divested Carp into an independent distribution.

COPYRIGHT

Copyright (C) 1994-2013 Larry Wall

Copyright (C) 2011, 2012, 2013 Andrew Main (Zefram) <zefram@fysh.org>

LICENSE

This module is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548115_1591901898.54/0/perl-Carp-1.42-396.el8.src.rpm-cosi-expand-archive-6G9eXuF1/Carp-1.38.tar.gz-cosi-expand-archive-ok6zis0t/Carp-1.38/README
No license file was found, but licenses were detected in source scan.

---
abstract: 'alternative warn and die for modules'
author:
  - unknown
build_requires:
  ExtUtils::MakeMaker: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.1, CPAN::Meta::Converter version 2.150005'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: Carp
no_index:
directory:
  - t
- inc
requires:
  Config: '0'
  Exporter: '0'
  ExtUtils::MakeMaker: '0'
  IPC::Open3: '1.0103'
  Test::More: '0.47'
  overload: '0'
  strict: '0'
  warnings: '0'
  version: '1.38'
x_serialization_backend: 'CPAN::Meta::YAML version 0.017'

Found in path(s):
  * /opt/ws_local/PERMITS_SQL/1009548115_1591901898.54/0/perl-Carp-1.42-396.el8.src.rpm-cosi-expand-archive-6G9eXuF1/Carp-1.38.tar.gz-cosi-expand-archive-ok6zis0t/Carp-1.38/META.yml
  No license file was found, but licenses were detected in source scan.

License:     GPL+ or Artistic

Found in path(s):
  * /opt/ws_local/PERMITS_SQL/1009548115_1591901898.54/0/perl-Carp-1.42-396.el8.src.rpm-cosi-expand-archive-6G9eXuF1/perl-Carp.spec
  No license file was found, but licenses were detected in source scan.

=head1 NAME

Carp - alternative warn and die for modules

=head1 SYNOPSIS

use Carp;

# warn user (from perspective of caller)
carp "string trimmed to 80 chars";

# die of errors (from perspective of caller)
croak "We're outta here!";

# die of errors with stack backtrace
confess "not implemented";

# cluck, longmess and shortmess not exported by default
use Carp qw(cluck longmess shortmess);
cluck "This is how we got here!";
$long_message   = longmess( "message from cluck() or confess()" );
$short_message  = shortmess( "message from carp() or croak()" );
The Carp routines are useful in your own modules because they act like C<die()> or C<warn()>, but with a message which is more likely to be useful to a user of your module. In the case of C<cluck()> and C<confess()>, that context is a summary of every call in the call-stack; C<longmess()> returns the contents of the error message.

For a shorter message you can use C<carp()> or C<croak()> which report the error as being from where your module was called. C<shortmess()> returns the contents of this error message. There is no guarantee that that is where the error was, but it is a good educated guess.

C<Carp> takes care not to clobber the status variables C<$!> and C<$^E> in the course of assembling its error messages. This means that a C<$SIG{__DIE__}> or C<$SIG{__WARN__}> handler can capture the error information held in those variables, if it is required to augment the error message, and if the code calling C<Carp> left useful values there. Of course, C<Carp> can't guarantee the latter.

You can also alter the way the output and logic of C<Carp> works, by changing some global variables in the C<Carp> namespace. See the section on C<GLOBAL VARIABLES> below.

Here is a more complete description of how C<carp> and C<croak> work. What they do is search the call-stack for a function call stack where they have not been told that there shouldn't be an error. If every call is marked safe, they give up and give a full stack backtrace instead. In other words they presume that the first likely looking potential suspect is guilty. Their rules for telling whether a call shouldn't generate errors work as follows:

=over 4
=item 1.

Any call from a package to itself is safe.

=item 2.

Packages claim that there won't be errors on calls to or from packages explicitly marked as safe by inclusion in C<@CARP_NOT>, or (if that array is empty) C<@ISA>. The ability to override what @ISA says is new in 5.8.

=item 3.
The trust in item 2 is transitive. If A trusts B, and B trusts C, then A trusts C. So if you do not override C<@ISA> with C<@CARP_NOT>, then this trust relationship is identical to, "inherits from".

=item 4.

Any call from an internal Perl module is safe. (Nothing keeps user modules from marking themselves as internal to Perl, but this practice is discouraged.)

=item 5.

Any call to Perl's warning system (eg Carp itself) is safe. (This rule is what keeps it from reporting the error at the point where you call C<carp> or C<croak>.)

=item 6.

C<$Carp::CarpLevel> can be set to skip a fixed number of additional call levels. Using this is not recommended because it is very difficult to get it to behave correctly.

=back

=head2 Forcing a Stack Trace

As a debugging aid, you can force Carp to treat a croak as a confess and a carp as a cluck across I<all> modules. In other words, force a detailed stack trace to be given. This can be very helpful when trying to understand why, or from where, a warning or error is being generated.

This feature is enabled by 'importing' the non-existent symbol 'verbose'. You would typically enable it by saying

    perl -MCarp=verbose script.pl

or by including the string C<-MCarp=verbose> in the PERL5OPT environment variable.

Alternately, you can set the global variable C<$Carp::Verbose> to true. See the C<GLOBAL VARIABLES> section below.

=head2 Stack Trace formatting

At each stack level, the subroutine's name is displayed along with its parameters. For simple scalars, this is sufficient. For complex data types, such as objects and other references, this can simply
display \texttt{C\textless HASH(0x1ab36d8)\textgreater}.

Carp gives two ways to control this.

\textbf{item 1.}

For objects, a method, \texttt{C\textless CARP\_TRACE\textgreater}, will be called, if it exists. If this method doesn't exist, or it recurses into \texttt{C\textless Carp\textgreater}, or it otherwise throws an exception, this is skipped, and Carp moves on to the next option, otherwise checking stops and the string returned is used. It is recommended that the object's type is part of the string to make debugging easier.

\textbf{item 2.}

For any type of reference, \texttt{C\$Carp::RefArgFormatter} is checked (see below). This variable is expected to be a code reference, and the current parameter is passed in. If this function doesn't exist (the variable is undef), or it recurses into \texttt{C\textless Carp\textgreater}, or it otherwise throws an exception, this is skipped, and Carp moves on to the next option, otherwise checking stops and the string returned is used.

\textbf{item 3.}

Otherwise, if neither \texttt{C\textless CARP\_TRACE\textgreater} nor \texttt{C\$Carp::RefArgFormatter} is available, stringify the value ignoring any overloading.

back

\textbf{GLOBAL VARIABLES}

\textbf{\$Carp::MaxEvalLen}

This variable determines how many characters of a string-eval are to be shown in the output. Use a value of \texttt{C\textless 0\textgreater} to show all text.

Defaults to \texttt{C\textless 0\textgreater}.

\textbf{\$Carp::MaxArgLen}

This variable determines how many characters of each argument to a function to print. Use a value of \texttt{C\textless 0\textgreater} to show the full length of the argument.

Defaults to \texttt{C\textless 64\textgreater}.

\textbf{\$Carp::MaxArgNums}
This variable determines how many arguments to each function to show.
Use a false value to show all arguments to a function call. To suppress all
arguments, use C<-1> or C<'0 but true'>.

Defaults to C<8>.

=head2 $Carp::Verbose

This variable makes C<carp()> and C<croak()> generate stack backtraces
just like C<cluck()> and C<confess()> . This is how C<use Carp 'verbose'>
is implemented internally.

Defaults to C<0>.

=head2 $Carp::RefArgFormatter

This variable sets a general argument formatter to display references.
Plain scalars and objects that implement C<CARP_TRACE> will not go through
this formatter. Calling C<Carp> from within this function is not supported.

local $Carp::RefArgFormatter = sub {
  require Data::Dump;
  Data::Dump::Dump($_[0]); # not necessarily safe
};

=head2 @CARP_NOT

This variable, I<in your package>, says which packages are I<not> to be
considered as the location of an error. The C<carp()> and C<cluck()> functions will skip over callers when reporting where an error occurred.

NB: This variable must be in the package's symbol table, thus:

    # These work
    our @CARP_NOT; # file scope
    use vars qw(@CARP_NOT); # package scope
    @My::Package::CARP_NOT = ... ; # explicit package variable

    # These don't work
    sub xyz { ... @CARP_NOT = ... } # w/o declarations above
    my @CARP_NOT; # even at top-level

Example of use:

    package My::Carping::Package;
    use Carp;
    our @CARP_NOT;
sub bar { .... or _error('Wrong input') }
sub _error {
    # temporary control of where'ness, __PACKAGE__ is implicit
    local @CARP_NOT = qw(My::Friendly::Caller);
    carp(@_)
}

This would make C<Carp> report the error as coming from a caller not in C<My::Carping::Package>, nor from C<My::Friendly::Caller>.

Also read the L</DESCRIPTION> section above, about how C<Carp> decides where the error is reported from.

Use C<@CARP_NOT>, instead of C<$Carp::CarpLevel>.

Overrides C<Carp>'s use of C<@ISA>.

=head2 %Carp::Internal

This says what packages are internal to Perl. C<Carp> will never report an error as being from a line in a package that is internal to Perl. For example:

    $Carp::Internal{ (__PACKAGE__) }++;
    # time passes...
    sub foo { ... or confess("whatever") }

would give a full stack backtrace starting from the first caller outside of __PACKAGE__. (Unless that package was also internal to Perl.)

=head2 %Carp::CarpInternal

This says which packages are internal to Perl's warning system. For generating a full stack backtrace this is the same as being internal to Perl, the stack backtrace will not start inside packages that are listed in C<%Carp::CarpInternal>. But it is slightly different for the summary message generated by C<carp> or C<croak>. There errors will not be reported on any lines that are calling packages in C<%Carp::CarpInternal>.

For example C<Carp> itself is listed in C<%Carp::CarpInternal>. Therefore the full stack backtrace from C<confess> will not start inside of C<Carp>, and the short message from calling C<croak> is not placed on the line where C<croak> was called.

=head2 $Carp::CarpLevel
This variable determines how many additional call frames are to be skipped that would not otherwise be when reporting where an error occurred on a call to one of Carp’s functions. It is fairly easy to count these call frames on calls that generate a full stack backtrace. However it is much harder to do this accounting for calls that generate a short message. Usually people skip too many call frames. If they are lucky they skip enough that Carp goes all of the way through the call stack, realizes that something is wrong, and then generates a full stack backtrace. If they are unlucky then the error is reported from somewhere misleading very high in the call stack.

Therefore it is best to avoid $Carp::CarpLevel. Instead use @CARP_NOT, %Carp::Internal and %Carp::CarpInternal.

Defaults to 0.

=head1 BUGS

The Carp routines don’t handle exception objects currently. If called with a first argument that is a reference, they simply call die() or warn(), as appropriate.

=head1 SEE ALSO

L<Carp::Always>,
L<Carp::Clan>

=head1 AUTHOR

The Carp module first appeared in Larry Wall’s perl 5.000 distribution. Since then it has been modified by several of the perl 5 porters. Andrew Main (Zefram) <zefram@fysh.org> divested Carp into an independent distribution.

=head1 COPYRIGHT

Copyright (C) 1994-2013 Larry Wall

Copyright (C) 2011, 2012, 2013 Andrew Main (Zefram) <zefram@fysh.org>

=head1 LICENSE

This module is free software: you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548115_1591901898.54/0/perl-Carp-1.42-396.el8.src.rpm-cosi-expand-
1.186 selinux-policy 3.14.3 20.el8

1.186.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a
notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.187 dejavu-fonts 2.35 6.el8

1.187.1 Available under license:
Fonts are (c) Bitstream (see below). DejaVu changes are in public domain. Glyphs imported from Arev fonts are (c) Tavmjong Bah (see below)

Bitstream Vera Fonts Copyright

---------------------------------
Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trademark of Bitstream, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute the Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Bitstream" or the word "Vera".

This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Bitstream Vera" names.

The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by itself.
THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the names of Gnome, the Gnome Foundation, and Bitstream Inc., shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from the Gnome Foundation or Bitstream Inc., respectively. For further information, contact: fonts at gnome dot org.

Arev Fonts Copyright

---------------------------------------

Copyright (c) 2006 by Tavmjong Bah. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute the modifications to the Bitstream Vera Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Tavmjong Bah" or the word "Arev".

This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Tavmjong Bah Arev" names.

The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by itself.
THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL TAVMJONG BAH BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the name of Tavmjong Bah shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from Tavmjong Bah. For further information, contact: tavmjong @ free . fr.

$Id: LICENSE 2133 2007-11-28 02:46:28Z lechimp $

1.188 guava 5-17.0

1.188.1 Available under license :

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.189 axis-jaxrpc 1.2.1
1.189.1 Available under license:
Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are
under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

1. You must give any other recipients of the Work or Derivative Works a copy of this License; and
2. You must cause any modified files to carry prominent notices stating that You changed the files; and
3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You
distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

1.190 subscription-manager 1.25.17 1.el8

1.190.1 Available under license:

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.
GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the
library, and (2) we offer you this license, which gives you legal
permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that
there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know
that what they have is not the original version, so that the original
author's reputation will not be affected by problems that might be
introduced by others.

Finally, software patents pose a constant threat to the existence of
any free program. We wish to make sure that a company cannot
effectively restrict the users of a free program by obtaining a
restrictive license from a patent holder. Therefore, we insist that
any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the
ordinary GNU General Public License. This license, the GNU Lesser
General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License. We use
this license for certain libraries in order to permit linking those
libraries into non-free programs.

When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the
entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with
the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages
are the reason we use the ordinary General Public License for many
libraries. However, the Lesser license provides advantages in certain
special circumstances.

For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it becomes
a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this
case, there is little to gain by limiting the free library to free
software only, so we use the Lesser General Public License.
In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

   These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW,
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.
This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.191 binutils 2.30-79.el8
1.191.1 Available under license:
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

**GNU GENERAL PUBLIC LICENSE**
**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

    c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.
If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OPEN SOURCE USED IN CSPC_COLLECTOR 2.9.1

OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.
(This file is under construction.)-
* text -*.

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decestation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.
Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

Copyright (C) 2012-2018 Free Software Foundation, Inc.
Copying and distribution of this file, with or without modification, are permitted in any medium without royalty provided the copyright notice and this notice are preserved.

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.
2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.
c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the
accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS
0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that
is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product,
doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.
Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.
You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that
You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the
patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.
Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.
IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.
Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.
@c The GNU Free Documentation License.
center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

display
@uref{http://fsf.org/}

everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
display

@enumerate 0
@item
PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document @dfn{free} in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially.
Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a
section does not fit the above definition of Secondary then it is not
allowed to be designated as Invariant. The Document may contain zero
Invariant Sections. If the Document does not identify any Invariant
Sections then there are none.

The “Cover Texts” are certain short passages of text that are listed,
as Front-Cover Texts or Back-Cover Texts, in the notice that says that
the Document is released under this License. A Front-Cover Text may
be at most 5 words, and a Back-Cover Text may be at most 25 words.

A “Transparent” copy of the Document means a machine-readable copy,
represented in a format whose specification is available to the
general public, that is suitable for revising the document
straightforwardly with generic text editors or (for images composed of
pixels) generic paint programs or (for drawings) some widely available
drawing editor, and that is suitable for input to text formatters or
for automatic translation to a variety of formats suitable for input
to text formatters. A copy made in an otherwise Transparent file
format whose markup, or absence of markup, has been arranged to thwart
or discourage subsequent modification by readers is not Transparent.
An image format is not Transparent if used for any substantial amount
of text. A copy that is not “Transparent” is called “Opaque”.

Examples of suitable formats for Transparent copies include plain
@esc{ascii} without markup, Texinfo input format, La@TeX{} input
format, @acroym{SGML} or @acroym{XML} using a publicly available
@acroym{DTD}, and standard-conforming simple @acroym{HTML},
PostScript or @acroym{PDF} designed for human modification. Examples
of transparent image formats include @acroym{PNG}, @acroym{XCF} and
@acroym{JPG}. Opaque formats include proprietary formats that can be
read and edited only by proprietary word processors, @acroym{SGML} or
@acroym{XML} for which the @acroym{DTD} and/or processing tools are
not generally available, and the machine-generated @acroym{HTML},
PostScript or @acroym{PDF} produced by some word processors for
output purposes only.

The “Title Page” means, for a printed book, the title page itself,
plus such following pages as are needed to hold, legibly, the material
this License requires to appear in the title page. For works in
formats which do not have any title page as such, “Title Page” means
the text near the most prominent appearance of the work’s title,
preceding the beginning of the body of the text.

The “publisher” means any person or entity that distributes copies
of the Document to the public.

A section “Entitled XYZ” means a named subunit of the Document whose
title either is precisely XYZ or contains XYZ in parentheses following
text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as “Acknowledgements”, “Dedications”, “Endorsements”, or “History”.) To “Preserve the Title” of such a section when you modify the Document means that it remains a section “Entitled XYZ” according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item
VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item
COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document’s license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent
If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

@item
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate A
@item
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item
List on the Title page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.
@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled ``History'', Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled ``History'' in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.
Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.
The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled ``History'' in the various original documents, forming one section Entitled ``History''; likewise combine any sections Entitled ``Acknowledgements'', and any sections Entitled ``Dedications''. You must delete all sections Entitled ``Endorsements.''

@item
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole
aggregate.

@item
TRANSLATION

Translation is considered a kind of modification, so you may
distribute translations of the Document under the terms of section 4.
Replacing Invariant Sections with translations requires special
permission from their copyright holders, but you may include
translations of some or all Invariant Sections in addition to the
original versions of these Invariant Sections. You may include a
translation of this License, and all the license notices in the
Document, and any Warranty Disclaimers, provided that you also include
the original English version of this License and the original versions
of those notices and disclaimers. In case of a disagreement between
the translation and the original version of this License or a notice
or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements",
"Dedications", or "History", the requirement (section 4) to Preserve
its Title (section 1) will typically require changing the actual
title.

@item
TERMINATION

You may not copy, modify, sublicense, or distribute the Document
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense, or distribute it is void, and
will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license
from a particular copyright holder is reinstated (a) provisionally,
unless and until the copyright holder explicitly and finally
terminates your license, and (b) permanently, if the copyright holder
fails to notify you of the violation by some reasonable means prior to
60 days after the cessation.

Moreover, your license from a particular copyright holder is
reinstated permanently if the copyright holder notifies you of the
violation by some reasonable means, this is the first time you have
received notice of violation of this License (for any work) from that
copyright holder, and you cure the violation prior to 30 days after
your receipt of the notice.

Termination of your rights under this section does not terminate the
licenses of parties who have received copies or rights from you under
this License. If your rights have been terminated and not permanently
reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License ``or any later version'' applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RE LICENSING

``Massive Multiauthor Collaboration Site'' (or ``MMC Site'') means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A ``Massive Multiauthor Collaboration'' (or ``MMC'') contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA'' means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate'' means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is ``eligible for relicensing'' if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole
or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page
@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled ``GNU Free Documentation License''.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ```with@dots{ }Texts.''' line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.
GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL.  It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some
specially designated Free Software Foundation software, and to any
other libraries whose authors decide to use it. You can use it for
your libraries, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if
you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link a program with the library, you must provide
complete object files to the recipients so that they can relink them
with the library, after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright
the library, and (2) offer you this license which gives you legal
permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and
modification follow. Pay close attention to the difference between a 
"work based on the library" and a "work that uses the library". The 
former contains code derived from the library, while the latter only 
works together with the library.

Note that it is possible for a library to be covered by the ordinary 
General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE  
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which 
contains a notice placed by the copyright holder or other authorized 
party saying it may be distributed under the terms of this Library 
General Public License (also called "this License"). Each licensee is 
addressed as "you".

A "library" means a collection of software functions and/or data 
prepared so as to be conveniently linked with application programs 
(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work 
which has been distributed under these terms. A "work based on the 
Library" means either the Library or any derivative work under 
copyright law: that is to say, a work containing the Library or a 
portion of it, either verbatim or with modifications and/or translated 
straightforwardly into another language. (Hereinafter, translation is 
included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for 
making modifications to it. For a library, complete source code means 
all the source code for all modules it contains, plus any associated 
interface definition files, plus the scripts used to control compilation 
and installation of the library.

Activities other than copying, distribution and modification are not 
covered by this License; they are outside its scope. The act of 
running a program using the Library is not restricted, and output from 
such a program is covered only if its contents constitute a work based 
on the Library (independent of the use of the Library in a tool for 
writing it). Whether that is true depends on what the Library does 
and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's 
complete source code as you receive it, in any medium, provided that 
you conspicuously and appropriately publish on each copy an 
appropriate copyright notice and disclaimer of warranty; keep intact 
all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Library General Public License for more details.

You should have received a copy of the GNU Library General Public
License along with this library; if not, write to the Free
Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston,
MA 02110-1301, USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.
<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL.  It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it.  By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it.  You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price.  Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights.  These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you.  You must make sure that they, too, receive or can get the source
code.  If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this

Open Source Used In CSPC_Collector 2.9.1 1761
License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE,
1.192 isl 0.16.1-6.el8
1.192.1 Available under license:
MIT License (MIT)

Permission is hereby granted, free of charge, to any person obtaining a copy of
this software and associated documentation files (the "Software"), to deal in
the Software without restriction, including without limitation the rights to
use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies
of the Software, and to permit persons to whom the Software is furnished to do
so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all
copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.

1.193 curl 7.61.1
1.193.1 Available under license:
License Mixing

libcurl can be built to use a fair amount of various third party libraries,
libraries that are written and provided by other parties that are distributed
using their own licenses. Even libcurl itself contains code that may cause
problems to some. This document attempts to describe what licenses libcurl and
the other libraries use and what possible dilemmas linking and mixing them all
can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](https://www.gnu.org/licenses/gpl.html)
licensed code is not allowed to be linked with code licensed under the
[Original BSD license](https://spdx.org/licenses/BSD-4-Clause.html) (with the
announcement clause). You may still build your own copies that use them all,
but distributing them as binaries would be to violate the GPL license - unless
you accompany your license with an exception. This particular problem was addressed when the [Modified BSD license](https://opensource.org/licenses/BSD-3-Clause) was created, which does not have the announcement clause that collides with GPL.

## libcurl

Uses an [MIT style license](https://curl.haxx.se/docs/copyright.html) that is very liberal.

## OpenSSL

(May be used for SSL/TLS support) Uses an Original BSD-style license with an announcement clause that makes it "incompatible" with GPL. You are not allowed to ship binaries that link with OpenSSL that includes GPL code (unless that specific GPL code includes an exception for OpenSSL - a habit that is growing more and more common). If OpenSSL's licensing is a problem for you, consider using another TLS library.

## GnuTLS

(May be used for SSL/TLS support) Uses the [LGPL](https://www.gnu.org/licenses/lgpl.html) license. If this is a problem for you, consider using another TLS library. Also note that GnuTLS itself depends on and uses other libs (libgcrypt and libgpg-error) and they too are LGPL- or GPL-licensed.

## WolfSSL

(May be used for SSL/TLS support) Uses the GPL license or a proprietary license. If this is a problem for you, consider using another TLS library.

## NSS

(May be used for SSL/TLS support) Is covered by the [MPL](https://www.mozilla.org/MPL/) license, the GPL license and the LGPL license. You may choose to license the code under MPL terms, GPL terms, or LGPL terms. These licenses grant you different permissions and impose different obligations. You should select the license that best meets your needs.

## axTLS

(May be used for SSL/TLS support) Uses a Modified BSD-style license.

## mbedTLS
(May be used for SSL/TLS support) Uses the [Apache 2.0 license](https://opensource.org/licenses/Apache-2.0) or the GPL license. You may choose to license the code under Apache 2.0 terms or GPL terms. These licenses grant you different permissions and impose different obligations. You should select the license that best meets your needs.

## BoringSSL

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.

## libressl

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.

## c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

## MIT Kerberos

(May be used for GSS support) MIT licensed, that shouldn't collide with any other parts.

## Heimdal

(May be used for GSS support) Heimdal is Original BSD licensed with the announcement clause.

## GNU GSS

(May be used for GSS support) GNU GSS is GPL licensed. Note that you may not distribute binary curl packages that uses this if you build curl to also link and use any Original BSD licensed libraries!

## libidn

(Used for IDNA support) Uses the GNU Lesser General Public License [3]. LGPL is a variation of GPL with slightly less aggressive "copyleft". This license requires more requirements to be met when distributing binaries, see the
license for details. Also note that if you distribute a binary that includes this library, you must also include the full LGPL license text. Please properly point out what parts of the distributed package that the license addresses.

## OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

## libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1996 - 2018, Daniel Stenberg, <daniel@haxx.se>, and many contributors, see the THANKS file.

All rights reserved.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

1.194 perl-pod-escapes 1.07-395.el8

1.194.1 Available under license:

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548111_1591901918.14/0/perl-Pod-Escapes-1.07-395.el8.src.rpm-cosi-expand-archive-AcQE8bnL/perl-Pod-Escapes.spec
No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Escapes - for resolving Pod EE<lt>...E<gt> sequences

=head1 SYNOPSIS

use Pod::Escapes qw(e2char);
...la la la, parsing POD, la la la...
$text = e2char($e_node->label);
unless(defined $text) {
    print "Unknown E sequence \"", $e_node->label, "\"!";
}  
...else print/interpolate $text...

=head1 DESCRIPTION

This module provides things that are useful in decoding Pod EE<lt>...E<gt> sequences. Presumably, it should be used only by Pod parsers and/or formatters.

By default, Pod::Escapes exports none of its symbols. But you can request any of them to be exported.
Either request them individually, as with
C<use Pod::Escapes qw(symbolname symbolname2...)>;
or you can do C<use Pod::Escapes qw(:ALL)> to get all exportable symbols.

=head1 GOODIES

=over

=item e2char($e_content)

Given a name or number that could appear in a C<EE<lt>name_or_numE<gt>> sequence, this returns the string that it stands for. For example, C<e2char('sol')>, C<e2char('47')>, C<e2char('0x2F')>, and C<e2char('057')> all return "/".
because C<EE<lt>solE<gt>>, C<EE<lt>47E<gt>>, C<EE<lt>0x2fE<gt>>, and C<EE<lt>057E<gt>>, all mean "/". If the name has no known value (as with a name of "qacute") or is syntactically invalid (as with a name of "1/4"), this returns undef.

=item e2charnum($e_content)

Given a name or number that could appear in a C<EE<lt>name_or_numE<gt>> sequence, this returns the number of
the Unicode character that this stands for. For example, 
C<e2char('sol')>, C<e2char('47')>, 
C<e2char('0x2F')>, and C<e2char('057')> all return 47, 
because $EE<lt>solE&lt;gt>$, $EE<lt>47E&lt;gt>$, $EE<lt>0x2fE&lt;gt>$, 
and $EE<lt>057E&lt;gt>$, all mean "/", whose Unicode number is 47. If 
the name has no known value (as with a name of "qacute") or is 
syntactically invalid (as with a name of "]/4"), this returns undef.

=item $Name2character{I<name>} 
Maps from names (as in C<EE<lt>I<name>E<gt>>) like "eacute" or "sol" 
to the string that each stands for. Note that this does not 
include numerics (like "64" or "x981c"). Under old Perl versions 
(before 5.7) you get a "]?" in place of characters whose Unicode 
value is over 255.

=item $Name2character_number{I<name>} 
Maps from names (as in C<EE<lt>I<name>E<gt>>) like "eacute" or "sol" 
to the Unicode value that each stands for. For example, 
C<$Name2character_number{'eacute'}> is 201, and 
C<$Name2character_number{'eacute'}> is 8364. You get the correct 
Unicode value, regardless of the version of Perl you're using -- 
which differs from C<%Name2character>'s behavior under pre-5.7 Perls.

Note that this hash does not 
include numerics (like "64" or "x981c").

=item $Latin1Code_to_fallback{I<integer>} 
For numbers in the range 160 (0x00A0) to 255 (0x00FF), this maps 
from the character code for a Latin-1 character (like 233 for 
lowercase e-acute) to the US-ASCII character that best approximates 
it (like "e"). You may find this useful if you are rendering 
POD in a format that you think deals well only with US-ASCII 
characters.

=item $Latin1Char_to_fallback{I<character>} 
Just as above, but maps from characters (like "]xE9", 
lowercase e-acute) to characters (like "e").

=item $Code2USASCII{I<integer>} 
This maps from US-ASCII codes (like 32) to the corresponding 
character (like space, for 32). Only characters 32 to 126 are 
defined. This is meant for use by C<e2char($x)> when it senses 
that it's running on a non-ASCII platform (where chr(32) doesn't
get you a space -- but \$Code2USASCII[32] will. It's
documented here just in case you might find it useful.

=head1 CAVEATS

On Perl versions before 5.7, Unicode characters with a value
over 255 (like lambda or emdash) can't be conveyed. This
module does work under such early Perl versions, but in the
place of each such character, you get a "?". Latin-1
characters (characters 160-255) are unaffected.

Under EBCDIC platforms, C<e2char($n)> may not always be the
same as C<chr(e2charnum($n))>, and ditto for
C<$Name2character{$name}> and
C<chr($Name2character_number{$name})>, because the strings are returned as
native, and the numbers are returned as Unicode.
However, for Perls starting with v5.8, C<e2char($n)> is the same as
C<chr(utf8::unicode_to_native(e2charnum($n)))>, and ditto for
C<$Name2character{$name}> and
C<chr(utf8::unicode_to_native($Name2character_number{$name}))>.

=head1 SEE ALSO

L<Pod::Browser> - a pod web server based on L<Catalyst>.

L<Pod::Checker> - check pod documents for syntax errors.

L<Pod::Coverage> - check if the documentation for a module is comprehensive.

L<perlpod> - description of pod format (for people documenting with pod).

L<perlpodspec> - specification of pod format (for people processing it).

L<Text::Unidecode> - ASCII transliteration of Unicode text.

=head1 REPOSITORY

L<https://github.com/neilbowers/Pod-Escapes>

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2001-2004 Sean M. Burke. All rights reserved.

This library is free software; you can redistribute it and/or modify
it under the same terms as Perl itself.
This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent
http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent
http://www.w3.org/TR/xhtml1/DTD/xhtml-symbol.ent

=head1 AUTHOR

Sean M. Burke C<sburke@cpan.org>

Now being maintained by Neil Bowers E<neilb@cpan.orgE>

=cut

#~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
# What I used for reading the XHTML .ent files:

my(@norms, @good, @bad);
my $dir = 'c:/sgml/docbook/';
my %escapes;
foreach my $file (qw(xhtml-symbol.ent xhtml-lat1.ent xhtml-special.ent)) {
  open(IN, "<$dir$file") or die "can't read-open $dir$file: $!";
  print "Reading $file...
";
  while(<IN>) {
    if(m/<!ENTITY\s+(\S+)&quot;'|apos'|gt'/) {
      my($name, $value) = ($1,$2);
      next if $name eq 'quot' or $name eq 'apos' or $name eq 'gt';
      $value = hex $1 if $value =~ m/^x([a-fA-F0-9]+)$/s;
      print "$value" unless $value =~ m/[^a-fA-F0-9]$/s;
    }
    elsif(m/<!ENT/) { }
  }
}
print "# Skipping $_",";
"

}

} close(IN);

}

print @norms;
print "$ | $| = 5.006001 ? (";
print @good;
print ") : (";
print @bad;
print ") (\n)\n";

END

#~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548111_1591901918.14/0/perl-Pod-Escapes-1.07-395.el8.src.rpm-cosi-
expand-archive-AcQE8bnL/Pod-Escapes-1.07.tar.gz-cosi-expand-archive-GKGiQNjB/Pod-Escapes-
1.07/lib/Pod/Escapes.pm
No license file was found, but licenses were detected in source scan.

---
abstract: unknown
author:
- unknown
build_requires:
ExtUtils::MakeMaker: '0'
configure_requires:
ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.02, CPAN::Meta::Converter version 2.143240'
license: perl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: '1.4'
name: Pod-Escapes
no_index:
directory:
- t
- inc
requires:
Exporter: '0'
perl: '5.006'
strict: '0'
vars: '0'
warnings: '0'
resources:
repository: git://github.com/neilbowers/Pod-Escapes.git
version: '1.07'

Found in path(s):

1.195 jersey-container-servlet 2.26

1.196 websocket-servlet 9.4.11.v20180605

1.197 selinux 2.9-2.1.el8
1.197.1 Available under license :
This library (libselinux) is public domain software, i.e. not copyrighted.

Warranty Exclusion
---------------
You agree that this software is a non-commercially developed program that may contain "bugs" (as that term is used in the industry) and that it may not function as intended. The software is licensed "as is". NSA makes no, and hereby expressly disclaims all, warranties, express, implied, statutory, or otherwise with respect to the software, including noninfringement and the implied warranties of merchantability and fitness for a particular purpose.

Limitation of Liability
----------------------
In no event will NSA be liable for any damages, including loss of data, lost profits, cost of cover, or other special, incidental, consequential, direct or indirect damages arising from the software or the use thereof, however caused and on any theory of liability. This limitation will apply even if NSA has been advised of the possibility of such damage. You acknowledge that this is a reasonable allocation of risk.
1.198 commons-pool 2.7.0

1.198.1 Available under license:

Apache Commons Pool
Copyright 2001-2019 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (https://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate.
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

APACHE COMMONS POOL DERIVATIVE WORKS:

The LinkedBlockingDeque implementation is based on an implementation written by Doug Lea with assistance from members of JCP JSR-166 Expert Group and released to the public domain, as explained at http://creativecommons.org/licenses/publicdomain

1.199 jersey 1.5
1.199.1 Available under license :

Found license 'General Public License 2.0' in "* Copyright (c) 2010 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ('GPL') or the Common Development and Distribution License ('CDDL') (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License The contents of this file are subject to the terms of the Common Development and Distribution License (the "License"). You may not use this file except'

Found license 'Common Development and Distribution License (CDDL) 1.1' in "* Copyright (c) 2010 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ('GPL') or the Common Development and Distribution License ('CDDL') (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License The contents of this file are subject to the terms of the Common Development and Distribution License (the "License"). You may not use this file except'
1.200 api-ldap-extras-trigger 1.0.2

1.200.1 Available under license:

Apache Directory LDAP API Extras Trigger
Copyright 2003-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

This software includes code generated by ANTLR 2.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
    Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
    stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
    that You distribute, all copyright, patent, trademark, and
    attribution notices from the Source form of the Work,
    excluding those notices that do not pertain to any part of
    the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.
END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

----------------------------------------------
ANTLR 2 License

ANTLR 2 License

We reserve no legal rights to the ANTLR--it is fully in the public domain. An individual or company may do whatever they wish with source code distributed with ANTLR or the code generated by ANTLR, including the incorporation of ANTLR, or its output, into commerical software.

We encourage users to develop software with ANTLR. However, we do ask that credit is given to us for developing ANTLR. By "credit", we mean that if you use ANTLR or incorporate any source code into one of your programs (commercial product, research project, or otherwise) that you acknowledge this fact somewhere in the documentation, research report, etc... If you like ANTLR and have developed a nice tool with the output, please mention that you developed it using ANTLR. In addition, we ask that the headers remain intact in our source code. As long as these guidelines are kept, we expect to continue enhancing this system and expect to make other tools available as they are completed.
1.201 setup 2.12.2-2.el8_1.1
1.201.1 Available under license:
   Setup package is public domain.
   You are free to use, copy, distribute or modify included files
   without restrictions.
   Public Domain

1.202 gpgme 1.10.0 6.el8.0.1
1.202.1 Available under license:
   GNU GENERAL PUBLIC LICENSE
   Version 2, June 1991

   Copyright (C) 1989, 1991 Free Software Foundation, Inc.
   59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
   Everyone is permitted to copy and distribute verbatim copies
   of this license document, but changing it is not allowed.

   Preamble

   The licenses for most software are designed to take away your
   freedom to share and change it. By contrast, the GNU General Public
   License is intended to guarantee your freedom to share and change free
   software--to make sure the software is free for all its users. This
   General Public License applies to most of the Free Software
   Foundation's software and to any other program whose authors commit to
   using it. (Some other Free Software Foundation software is covered by
   the GNU Library General Public License instead.) You can apply it to
   your programs, too.

   When we speak of free software, we are referring to freedom, not
   price. Our General Public Licenses are designed to make sure that you
   have the freedom to distribute copies of free software (and charge for
   this service if you wish), that you receive source code or can get it
   if you want it, that you can change the software or use pieces of it
   in new free programs; and that you know you can do these things.

   To protect your rights, we need to make restrictions that forbid
   anyone to deny you these rights or to ask you to surrender the rights.
   These restrictions translate to certain responsibilities for you if you
   distribute copies of the software, or if you modify it.

   For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

"L
A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

*^L
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

   a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

   b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

   c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

   d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

   e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates
the limitation as written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library.
It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
1.203 libmaxminddb 1.2.0-7.el8

1.203.1 Available under license:

Copyright 2013-2014 MaxMind, Inc.

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.
1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is...
void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

This work is licensed under the Creative Commons Attribution-ShareAlike 3.0 Unported License. To view a copy of this license, visit http://creativecommons.org/licenses/by-sa/3.0/ or send a letter to Creative Commons, 444 Castro Street, Suite 900, Mountain View, California, 94041, USA.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.204 commons-logging 1.0.4

1.204.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2001-2004 The Apache Software Foundation.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
* HTTP://WWW.APACHE.ORG/LICENSES/LICENSE-2.0
* 
* UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING, SOFTWARE 
* DISTRIBUTED UNDER THE LICENSE IS DISTRIBUTED ON AN "AS IS" BASIS, 
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED. 
* SEE THE LICENSE FOR THE SPECIFIC LANGUAGE GOVERNING PERMISIONS AND 
* LIMITATIONS UNDER THE LICENSE. 
*/

Found in path(s):
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/impl/Jdk13LumberjackLogger.java 
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/impl/SimpleLog.java 
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/LogConfigurationException.java 
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/impl/Log4jFactory.java 
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/LogSource.java 
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/impl/Jdk14Logger.java 
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/LogFactory.java 
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/impl/Log4JLogger.java 
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/impl/AvalonLogger.java 
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/impl/LogKitLogger.java 
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/Log.java 
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/impl/FactoryImpl.java 
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/impl/NoOpLog.java 
  */opt/cola/permits/1136279767_1613727079.13/0/commons-logging-1-0-4-sources-2-
  jar/org/apache/commons/logging/impl/Log4JCategoryLog.java

1.205.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

Open Source Used In CSPC_Collector 2.9.1 1815
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner

Open Source Used In CSPC_Collector 2.9.1 1816
or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions

Open Source Used In CSPC_Collector 2.9.1 1818
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Open Source Used In CSPC_Collector 2.9.1 1819
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Copyright (c) 2007-2010, The JASYPT team (http://www.jasypt.org)

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

---------------------------------

This distribution includes cryptographic software. The country in which you currently reside may have restrictions on the import, possession, use, and/or re-export to another country, of encryption software. BEFORE using any encryption software, please check your country's laws, regulations and policies concerning the import, possession, or use, and re-export of encryption software, to see if this is permitted. See http://www.wassenaar.org/ for more information.

The U.S. Government Department of Commerce, Bureau of Industry and Security (BIS), has classified this software as Export Commodity Control Number (ECCN) 5D002.C.1, which includes information security software using or performing cryptographic functions with asymmetric algorithms. The form and manner of this distribution makes it eligible for export under the License Exception ENC Technology Software Unrestricted (TSU) exception (see the BIS Export Administration Regulations, Section 740.13) for both object code and source code.

The following provides more details on the cryptographic software used (note that this software is not included in the distribution):
* The PBE Encryption facilities require the Java Cryptography extensions: http://java.sun.com/javase/technologies/security/.

---------------------------------

Distributions of this software may include software developed by The Apache Software Foundation (http://www.apache.org/).

---------------------------------

ICU License - ICU 1.8.1 and later

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2006 International Business Machines Corporation and others

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.
1.206 sqlite 3.32.3

1.206.1 Available under license:

The author disclaims copyright to this source code. In place of a legal notice, here is a blessing:

May you do good and not evil.
May you find forgiveness for yourself and forgive others.
May you share freely, never taking more than you give.

1.207 fcgi-client 9.4.11.v20180605

1.208 jersey-media-jaxb 2.26

1.209 log-rotate 3.14.0 3.el8

1.209.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based...
on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULDL THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.210 javax-mail-glassfish
1.4.1.v201005082020
1.210.1 Available under license :
DO NOT TRANSLATE OR LOCALIZE.

% The following software may be included in this product: Java Pack200-ant-task
Use of any of this software is governed by the terms of the license below:

SUN PUBLIC LICENSE Version 1.0

1. Definitions.

1.0.1. "Commercial Use" means distribution or otherwise making the Covered Code available to a third party.

1.1. "Contributor" means each entity that creates or contributes to
the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof and corresponding documentation released with the source code.

1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.

1.5. "Executable" means Covered Code in any form other than Source Code.

1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.8. "License" means this document.

1.8.1. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.

B. Any new file that contains any part of the Original Code or previous Modifications.

1.10. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.10.1. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and
apparatus claims, in any patent Licensable by grantor.

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated documentation, interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. Source Code License.

2.1 The Initial Developer Grant.

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).

(c) the licenses granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by:
2.2. Contributor Grant.

Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) the licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

(d) notwithstanding Section 2.2(b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Application of License.

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code
version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

3.2. Availability of Source Code.

Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

3.3. Description of Modifications.

You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.


(a) Third Party Claims.

If Contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs.
If Contributor's Modifications include an application programming interface ("API") and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.

(c) Representations.

Contributor represents that, except as disclosed pursuant to Section 3.4(a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.

3.5. Required Notices.

You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.6. Distribution of Executable Versions.

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the
Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.7. Larger Works.

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

4. Inability to Comply Due to Statute or Regulation.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Application of this License.

This License applies to code to which the Initial Developer has attached the notice in Exhibit A and to related Covered Code.

6. Versions of the License.

6.1. New Versions.

Sun Microsystems, Inc. ("Sun") may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

6.2. Effect of New Versions.

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms
of any subsequent version of the License published by Sun. No one other than Sun has the right to modify the terms applicable to Covered Code created under this License.

6.3. Derivative Works.

If You create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), You must: (a) rename Your license so that the phrases "Sun," "Sun Public License," or "SPL" or any confusingly similar phrase do not appear in your license (except to note that your license differs from this License) and (b) otherwise make it clear that Your version of the license contains terms which differ from the Sun Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)

7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

8. TERMINATION.

8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

8.2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as "Participant") alleging that:

(a) such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such
Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.

(b) any software, hardware, or device, other than such Participant's Contributor Version, directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1(b) and 2.2(b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that Participant.

8.3. If You assert a patent infringement claim against Participant alleging that such Participant's Contributor Version directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

8.4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.

9. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE
EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

10. U.S. GOVERNMENT END USERS.


11. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in the United States of America, any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

12. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

13. MULTIPLE-LICENSED CODE.

Initial Developer may designate portions of the Covered Code as "Multiple-Licensed". "Multiple-Licensed" means that the Initial Developer permits you to utilize portions of the Covered Code under
Your choice of the alternative licenses, if any, specified by the Initial Developer in the file described in Exhibit A.

Exhibit A - Sun Public License Notice.

The contents of this file are subject to the Sun Public License Version 1.0 (the "License"); you may not use this file except in compliance with the License. A copy of the License is available at http://www.sun.com/

The Original Code is _________________. The Initial Developer of the Original Code is ___________. Portions created by _____ are Copyright (C)_________. All Rights Reserved.

Contributor(s): ______________________________________.

Alternatively, the contents of this file may be used under the terms of the _____ license (the "[___] License"), in which case the provisions of [____] License are applicable instead of those above. If you wish to allow use of your version of this file only under the terms of the [___] License and not to allow others to use your version of this file under the SPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the [___] License. If you do not delete the provisions above, a recipient may use your version of this file under either the SPL or the [___] License.”

[NOTE: The text of this Exhibit A may differ slightly from the text of the notices in the Source Code files of the Original Code. You should use the text of this Exhibit A rather than the text found in the Original Code Source Code for Your Modifications.]

%% The following software may be included in this product: Java DB (Derby)
Use of any of this software is governed by the terms of the license below:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but
"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
%% The following software may be included in this product: Base64
Use of any of this software is governed by the terms of the license below:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.
Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

%%% The following software may be included in this product: JSTL 1.1.0-D13
Use of any of this software is governed by the terms of the license below:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
   that You distribute, all copyright, patent, trademark, and
   attribution notices from the Source form of the Work,
   excluding those notices that do not pertain to any part of
   the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "["] replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

%% The following software may be included in this product: BCEL 5.1. Use of any of this software is governed by the terms of the license below:

The Apache Software License, Version 1.1
* *
* Copyright (c) 2001 The Apache Software Foundation. All rights reserved.
* *
* Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* *
* 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* *
* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the
* distribution.

* 3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:
* "This product includes software developed by the
* Apache Software Foundation (http://www.apache.org/)."
* Alternately, this acknowledgment may appear in the software itself,
* if and wherever such third-party acknowledgments normally appear.
* 4. The names "Apache" and "Apache Software Foundation" and
* "Apache BCEL" must not be used to endorse or promote products
* derived from this software without prior written permission. For
* written permission, please contact apache@apache.org.
* 5. Products derived from this software may not be called "Apache",
* "Apache BCEL", nor may "Apache" appear in their name, without
* prior written permission of the Apache Software Foundation.

* THIS SOFTWARE IS PROVIDED `AS IS` AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

*===================================================================

* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
*/

%% The following software may be included in this product: REGEXP 1.2. Use of any of this software is governed
by the terms of the license below:

Apache License

Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License.

The following software may be included in this product: sfx4j. Use of any of this software is governed by the terms of the license below:

Copyright (c) 2003, Kohsuke Kawaguchi
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following software may be included in this product: Stax API. Use of any of this software is governed by the terms of the license below:

STREAMING API FOR XML (JSR-173) SPECIFICATION
REFERENCE IMPLEMENTATION
LICENSE AGREEMENT

READ THE TERMS OF THIS (THE "AGREEMENT") CAREFULLY BEFORE VIEWING OR USING THE SOFTWARE LICENSED HEREUNDER. BY VIEWING OR USING THE SOFTWARE, YOU AGREE TO THE TERMS OF THIS AGREEMENT. IF
YOU ARE ACCESSING THE SOFTWARE ELECTRONICALLY, INDICATE YOUR ACCEPTANCE OF THESE TERMS BY SELECTING THE "ACCEPT" BUTTON AT THE END OF THIS AGREEMENT. IF YOU DO NOT AGREE TO ALL THESE TERMS, PROMPTLY RETURN THE UNUSED SOFTWARE TO ORIGINAL CONTRIBUTOR, DEFINED HEREIN.

1.0 DEFINITIONS.


1.2. "Contributor" means BEA and each entity that creates or contributes to the creation of Modifications.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof and corresponding documentation released with the source code.


1.5. "FCS" means first commercial shipment of a product.

1.6. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

(a) Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.

(b) Any new file that contains any part of the Original Code or previous Modifications.


1.8. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent for which the grantor has the right to grant a license.

1.9. "Reference Implementation" means the prototype or "proof of concept" implementation of
the Specification developed and made available for license by or on behalf of BEA.

1.10. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated documentation, interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Code red Code of the Contributor's choice.

1.11. "Specification" means the written specification for the Streaming API for XML, Java technology developed pursuant to the Java Community Process.

1.12. "Technology Compatibility Kit" or "TCK" means the documentation, testing tools and test suites associated with the Specification as may be revised by BEA from time to time, that is provided so that an implementer of the Specification may determine if its implementation is compliant with the Specification.

1.13. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this Agreement or a future version of this Agreement issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2.0 SOURCE CODE LICENSE.

2.1. Copyright Grant. Subject to the terms of this Agreement, each Contributor hereby grants You a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Covered Code of such Contributor, if any, and such derivative works, in Source Code and Executable form.
2.2. Patent Grant. Subject to the terms of this Agreement, each Contributor hereby grants You a non-exclusive, worldwide, royalty-free patent license under the Patent Claims to make, use, sell, offer to sell, import and otherwise transfer the Covered Code prepared and provided by such Contributor, if any, in Source Code and Executable form. This patent license shall apply to the Covered Code if, at the time a Modification is added by the Contributor, such addition of the Modification causes such combination to be covered by the Patent Claims. The patent license shall not apply to any other combinations which include the Modification.

2.3. Conditions to Grants. You understand that although each Contributor grants the licenses to the Covered Code prepared by it, no assurances are provided by any Contributor that the Covered Code does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to You for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, You hereby assume sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow You to distribute Covered Code, it is Your responsibility to acquire that license before distributing such code.

2.4. Contributors' Representation. Each Contributor represents that to its knowledge it has sufficient copyright rights in the Covered Code it provides, if any, to grant the copyright license set forth in this Agreement.

3.0 DISTRIBUTION RESTRICTIONS.

3.1. Application of Agreement.

The Modifications which You create or to which You contribute are governed by the terms of this Agreement, including without limitation Section 2.0. The Source Code version of Covered Code may be distributed only under the terms of this Agreement or a future version of this Agreement.
nt released under Section 6.1, and You must include a copy of this Agreement with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this Agreement or the recipients’ rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.3.

3.2. Description of Modifications.

You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by BEA and including the name of BEA in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

%% The following software may be included in this product: RelaxNGCC. Use of any of this software is governed by the terms of the license below:

Copyright (c) 2000-2003 Daisuke Okajima and Kohsuke Kawaguchi. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:

   "This product includes software developed by Daisuke Okajima and Kohsuke Kawaguchi (http://relaxngcc.sf.net/)."

Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.
4. The names of the copyright holders must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact the copyright holders.

5. Products derived from this software may not be called "RELAXNGCC", nor may "RELAXNGCC" appear in their name, without prior written permission of the copyright holders.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

%% The following software may be included in this product: RelaxNG Object Model/Parser. Use of any of this software is governed by the terms of the license below:
The MIT License
Copyright (c)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

%% The following software may be included in this product: ASM. Use of any of this software is governed by the terms of the license below:

Copyright (c) 2000-2005 INRIA, France Telecom
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following software may be included in this product: zlib. Use of any of this software is governed by the terms of the license below:

License

/* zlib.h -- interface of the 'zlib' general purpose compression library
 version 1.2.1, November 17th, 2003

Copyright (C) 1995-2003 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software...
in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly jloup@gzip.org
Mark Adler madler@alumni.caltech.edu

*/

Copyright 2004 by the Open Source Initiative
Technical questions about the website go to Steve M.: webmaster at opensource.org / Policy questions about open source go to the Board of Directors.

The contents of this website are licensed under the Open Software License 2.0 or Academic Free License 2.0

OSI is a registered non-profit with 501(c)(3) status. Contact our Board for further donation information.

%% The following software may be included in this product: Sun Multi-Schema Validator v. relaxngDatatype.jar . Use of any of this software is governed by the terms of the license below:

Copyright (c) 2001, Thai Open Source Software Center Ltd, Sun Microsystems.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the names of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

%% The following software may be included in this product: XML Security: XML Dsig & XML Encryption. Use of
any of this software is governed by the terms of the license below:

The Apache Software License, v2.0

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License. You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

%% The following software may be included in this product: Tomcat. Use of any of this software is governed by the terms of the license below:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

%%% The following software may be included in this product: ANT. Use of any of this software is governed by the terms of the license below:

*  
*  ==============================================================

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions.
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software


We reserve no legal rights to the ANTLR--it is fully in the public domain. An individual or company may do whatever they wish with source code distributed with ANTLR or the code generated by ANTLR, including the incorporation of ANTLR, or its output, into commercial software.

We encourage users to develop software with ANTLR. However, we do ask that credit is given to us for developing ANTLR. By "credit", we mean that if you use ANTLR or incorporate any source code into one of your programs (commercial product, research project, or otherwise) that you acknowledge this fact somewhere in the documentation, research report, etc... If you like ANTLR and have developed a nice tool with the output, please mention that you developed it using ANTLR. In addition, we ask that the headers remain intact in our source code. As long as these guidelines are kept, we expect to continue enhancing this system and expect to make other tools available as they are completed.

% the following software may be included in this product: schema2beans, dbschema from the Netbeans Project, http://www.netbeans.org. Use of any of this software is governed by the terms of the license below:

SUN PUBLIC LICENSE Version 1.0

1. Definitions.

1.0.1. "Commercial Use" means distribution or otherwise making the Covered Code available to a third party.

1.1. "Contributor" means each entity that creates or contributes to

Open Source Used In CSPC_Collector 2.9.1 1879
the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof and corresponding documentation released with the source code.

1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.

1.5. "Executable" means Covered Code in any form other than Source Code.

1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.8. "License" means this document.

1.8.1. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.

B. Any new file that contains any part of the Original Code or previous Modifications.

1.10. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.10.1. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and
apparatus claims, in any patent Licensable by grantor.

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated documentation, interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. Source Code License.

2.1 The Initial Developer Grant.

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).

(c) the licenses granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by:
i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.

2.2. Contributor Grant.

Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) the licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

(d) notwithstanding Section 2.2(b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Application of License.

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code
version that alters or restricts the applicable version of this
License or the recipients' rights hereunder. However, You may include
an additional document offering the additional rights described in
Section 3.5.

3.2. Availability of Source Code.

Any Modification which You create or to which You contribute must be
made available in Source Code form under the terms of this License
either on the same media as an Executable version or via an accepted
Electronic Distribution Mechanism to anyone to whom you made an
Executable version available; and if made available via Electronic
Distribution Mechanism, must remain available for at least twelve (12)
months after the date it initially became available, or at least six
(6) months after a subsequent version of that particular Modification
has been made available to such recipients. You are responsible for
ensuring that the Source Code version remains available even if the
Electronic Distribution Mechanism is maintained by a third party.

3.3. Description of Modifications.

You must cause all Covered Code to which You contribute to contain a
file documenting the changes You made to create that Covered Code and
the date of any change. You must include a prominent statement that
the Modification is derived, directly or indirectly, from Original
Code provided by the Initial Developer and including the name of the
Initial Developer in (a) the Source Code, and (b) in any notice in an
Executable version or related documentation in which You describe the
origin or ownership of the Covered Code.


(a) Third Party Claims.

If Contributor has knowledge that a license under a third party's
intellectual property rights is required to exercise the rights
granted by such Contributor under Sections 2.1 or 2.2, Contributor
must include a text file with the Source Code distribution titled
"LEGAL" which describes the claim and the party making the claim in
sufficient detail that a recipient will know whom to contact. If
Contributor obtains such knowledge after the Modification is made
available as described in Section 3.2, Contributor shall promptly
modify the LEGAL file in all copies Contributor makes available
thereafter and shall take other steps (such as notifying appropriate
mailing lists or newsgroups) reasonably calculated to inform those who
received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs.
If Contributor's Modifications include an application programming interface ("API") and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.

(c) Representations.

Contributor represents that, except as disclosed pursuant to Section 3.4(a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.

3.5. Required Notices.

You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.6. Distribution of Executable Versions.

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the
Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.7. Larger Works.

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

4. Inability to Comply Due to Statute or Regulation.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Application of this License.

This License applies to code to which the Initial Developer has attached the notice in Exhibit A and to related Covered Code.

6. Versions of the License.

6.1. New Versions.

Sun Microsystems, Inc. ("Sun") may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

6.2. Effect of New Versions.

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms
6.3. Derivative Works.

If You create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), You must: (a) rename Your license so that the phrases "Sun," "Sun Public License," or "SPL" or any confusingly similar phrase do not appear in your license (except to note that your license differs from this License) and (b) otherwise make it clear that Your version of the license contains terms which differ from the Sun Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)

7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

8. TERMINATION.

8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

8.2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as "Participant") alleging that:

(a) such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such
Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.

8.3. If You assert a patent infringement claim against Participant alleging that such Participant's Contributor Version directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

8.4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.

9. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE
EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

10. U.S. GOVERNMENT END USERS.


11. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in the United States of America, any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

12. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

13. MULTIPLE-LICENSED CODE.

Initial Developer may designate portions of the Covered Code as ?Multiple-Licensed?. ?Multiple-Licensed? means that the Initial Developer permits you to utilize portions of the Covered Code under
Your choice of the alternative licenses, if any, specified by the Initial Developer in the file described in Exhibit A.

Exhibit A - Sun Public License Notice.

The contents of this file are subject to the Sun Public License Version 1.0 (the "License"); you may not use this file except in compliance with the License. A copy of the License is available at http://www.sun.com/

The Original Code is _______________. The Initial Developer of the Original Code is ___________. Portions created by _____ are Copyright (C)_______. All Rights Reserved.

Contributor(s): ________________________________

Alternatively, the contents of this file may be used under the terms of the _____ license (the "[___] License"); in which case the provisions of [___] License are applicable instead of those above. If you wish to allow use of your version of this file only under the terms of the [___] License and not to allow others to use your version of this file under the SPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the [___] License. If you do not delete the provisions above, a recipient may use your version of this file under either the SPL or the [___] License.”

[NOTE: The text of this Exhibit A may differ slightly from the text of the notices in the Source Code files of the Original Code. You should use the text of this Exhibit A rather than the text found in the Original Code Source Code for Your Modifications.]

@ @ JAXB
% % The following software may be included in this product: iso-relax.jar v2002/07/07. Use of any of this software is governed by the terms of the license below:
The MIT License
Copyright (c)
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN
AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE

%% The following software may be included in this product: relaxNGDatatype.jar. Use of any of this software is governed by the terms of the license below:

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the names of the authors or their employers not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

The authors and their employers disclaim all warranties with regard to this software, including all implied warranties of merchantability and fitness. In no event shall the authors or their employers be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortious action, arising out of or in connection with the use or performance of this software.

%% The following software may be included in this product: Resolver. Use of any of this software is governed by the terms of the license below:

xml-commons/LICENSE.txt $Id: 3RD-PARTY-LICENSE.txt,v 1.1 2008/08/12 04:07:35 david_williams Exp $ See README.txt for additional licensing information.

/* ====================================================================
* The Apache Software License, Version 1.1
*
* Copyright (c) 2001-2002 The Apache Software Foundation. All rights
* reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* *
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* *
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in
* the documentation and/or other materials provided with the
* distribution.
* *
* 3. The end-user documentation included with the redistribution,
* if any, must include the following acknowledgment:
* "This product includes software developed by the
* Apache Software Foundation (http://www.apache.org/)."
* Alternately, this acknowledgment may appear in the software itself,
* if and wherever such third-party acknowledgments normally appear.
* ==================================================================== */
* 4. The names "Apache" and "Apache Software Foundation" must
* not be used to endorse or promote products derived from this
* software without prior written permission. For written
* permission, please contact apache@apache.org.
*
* 5. Products derived from this software may not be called "Apache",
* nor may "Apache" appear in their name, without prior written
* permission of the Apache Software Foundation.
*
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* ========================================================
*
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
* http://www.apache.org/.

%% The following software may be included in this product: Jakarta Commons. Use of any of this software is
governed by the terms of the license below:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed with the Work.
as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

%% The following software may be included in this product: Apache XML Security. Use of any of this software is governed by the terms of the license below:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistribution of source code must retain the above copyright notice, this list of
conditions and the following disclaimer. Redistribution in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. All advertising materials mentioning features or use of this software must display the following acknowledgment: This product includes software developed by the Java Apache Project for use in the Apache JServ servlet engine project (http://java.apache.org/).

The names "Apache JServ", "Apache JServ Servlet Engine" and "Java Apache Project" must not be used to endorse or promote products derived from this software without prior written permission. Products derived from this software may not be called "Apache JServ" nor may "Apache" nor "Apache JServ" appear in their names without prior written permission of the Java Apache Project. Redistribution of any form whatsoever must retain the following acknowledgment: This product includes software developed by the Java Apache Project for use in the Apache JServ servlet engine project (http://java.apache.org/).

THIS SOFTWARE IS PROVIDED BY THE JAVA APACHE PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JAVA APACHE PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

@@ XML Web Services Security

The following software may be included in this product: Apache XML Security. Use of any of this software is governed by the terms of the license below:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistribution of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistribution in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. All advertising materials mentioning features or use of this software must display the following acknowledgment: This product includes software developed by the Java Apache Project for use in the Apache JServ servlet engine project (http://java.apache.org/).

The names "Apache JServ", "Apache JServ Servlet Engine" and "Java Apache Project" must not be used to endorse or promote products derived from this software without prior written permission. Products derived from this software may not be called "Apache JServ" nor may "Apache" nor "Apache JServ" appear in their names without prior written permission of the Java Apache Project. Redistribution of any form whatsoever must retain the following acknowledgment: This product includes software developed by the Java Apache Project for use in the Apache JServ servlet engine project (http://java.apache.org/).

THIS SOFTWARE IS PROVIDED BY THE JAVA APACHE PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JAVA APACHE PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
% The following software may be included in this product: Apache Commons Logging, Apache Commons Digester, Apache Commons Bean Utils, Apache Commons Collections. Use of any of this software is governed by the terms of the license below:

/*
 * ====================================================================
 * * The Apache Software License, Version 1.1
 * *
 * Copyright (c) 2001-2003 The Apache Software Foundation. All rights
 * reserved.
 * *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 * *
 * 3. The end-user documentation included with the redistribution,
 *    if any, must include the following acknowledgement:
 *    "This product includes software developed by the
 *    Apache Software Foundation (http://www.apache.org/)."
 *    Alternately, this acknowledgement may appear in the software itself,
 *    if and wherever such third-party acknowledgements normally appear.
 * *
 *    Foundation" must not be used to endorse or promote products derived
 *    from this software without prior written permission. For written
 *    permission, please contact apache@apache.org.
 * *
 * 5. Products derived from this software may not be called "Apache"
 *    nor may "Apache" appear in their name without prior
 *    written permission of the Apache Software Foundation.
 * *
 * THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
 * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
 * DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
 * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
 * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT

Open Source Used In CSPC_Collector 2.9.1 1897
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

* ====================================================================

* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see

*/

*Woodstock 4.0

%% The following software may be included in this product: Dojo
Use of any of this software is governed by the terms of the license below:

This Academic Free License (the "License") applies to any original work of
authorship (the "Original Work") whose owner (the "Licensor") has placed the
following notice immediately following the copyright notice for the Original Work:

 Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide,
royalty-free, non-exclusive, perpetual, sublicenseable license to do the following:

* to reproduce the Original Work in copies;
* to prepare derivative works ("Derivative Works") based upon the Original Work;
* to distribute copies of the Original Work and Derivative Works to the public;
* to perform the Original Work publicly; and
* to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide,
royalty-free, non-exclusive, perpetual, sublicenseable license, under patent
claims owned or controlled by the Licensor that are embodied in the Original
Work as furnished by the Licensor, to make, use, sell and offer for sale the
Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred form
of the Original Work for making modifications to it and all available
documentation describing how to modify the Original Work. Licensor hereby agrees
to provide a machine-readable copy of the Source Code of the Original Work along
with each copy of the Original Work that Licensor distributes. Licensor reserves
the right to satisfy this obligation by placing a machine-readable copy of the
Source Code in an information repository reasonably calculated to permit
4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately proceeding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to
the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities,
"You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

Previous Approved Versions: AFL 2.0, AFL 1.2, AFL 1.1
Plain Text Version

Copyright © 2005 by the Open Source Initiative
Technical questions about the website go to Steve M.: webmaster at opensource.org / Policy questions about open source go to the Board of Directors.

The contents of this website are licensed under the Open Software License 2.1 or Academic Free License 2.1

OSI is a registered non-profit with 501(c)(3) status. Donating to OSI is one way to show your support.

%% The following software may be included in this product: JSON
Use of any of this software is governed by the terms of the license below:

Copyright (c) 2002 JSON.org

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The Software shall be used for Good, not Evil.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works
shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

1. You must give any other recipients of the Work or Derivative Works a copy of this License; and
2. You must cause any modified files to carry prominent notices stating that You changed the files; and

3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in
tort (including negligence), contract, or otherwise, unless required by
applicable law (such as deliberate and grossly negligent acts) or agreed to in
writing, shall any Contributor be liable to You for damages, including any
direct, indirect, special, incidental, or consequential damages of any character
arising as a result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill, work stoppage,
computer failure or malfunction, or any and all other commercial damages or
losses), even if such Contributor has been advised of the possibility of such
damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or
Derivative Works thereof, You may choose to offer, and charge a fee for,
acceptance of support, warranty, indemnity, or other liability obligations
and/or rights consistent with this License. However, in accepting such
obligations, You may act only on Your own behalf and on Your sole
responsibility, not on behalf of any other Contributor, and only if You agree to
indemnify, defend, and hold each Contributor harmless for any liability incurred
by, or claims asserted against, such Contributor by reason of your accepting any
such warranty or additional liability.

END OF TERMS AND CONDITIONS

%% The following software may be included in this product: Prototype
Use of any of this software is governed by the terms of the license below:

Copyright (c) 2005-2007 Sam Stephenson

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

10 THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.

*Update Center 1.0

%% The following software may be included in this product: JDIC, Swing Layout extensions. Use of any of this
software is governed by the terms of the license below:
GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL.  It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share
and change it. By contrast, the GNU General Public Licenses are intended to
guarantee your freedom to share and change free software--to make sure the
software is free for all its users.

This license, the Lesser General Public License, applies to some specially
designated software packages--typically libraries--of the Free Software
Foundation and other authors who decide to use it. You can use it too, but we
suggest you first think carefully about whether this license or the ordinary
General Public License is the better strategy to use in any particular case,
based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price.
Our General Public Licenses are designed to make sure that you have the freedom
to distribute copies of free software (and charge for this service if you wish);
that you receive source code or can get it if you want it; that you can change
the software and use pieces of it in new free programs; and that you are
informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to
deny you these rights or to ask you to surrender these rights. These
restrictions translate to certain responsibilities for you if you distribute
copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a
fee, you must give the recipients all the rights that we gave you. You must make
sure that they, too, receive or can get the source code. If you link other code
with the library, you must provide complete object files to the recipients, so
that they can relink them with the library after making changes to the library
and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and
(2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   * a) The modified work must itself be a software library.
   * b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
   * c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
   * d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

   These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

   Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

   In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the
ordinary GNU General Public License, version 2, instead of this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

* a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

* b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

* c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

* d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

* e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the
It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   * a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
   * b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy
simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions
for this. Our decision will be guided by the two goals of preserving the free
status of all derivatives of our free software and of promoting the sharing and
reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE
LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED
IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS
IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT
NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL
ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE
THE
LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL,
SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY
TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF
THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER
PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use
to the public, we recommend making it free software that everyone can
redistribute and change. You can do so by permitting redistribution under these
terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest
to attach them to the start of each source file to most effectively convey the
exclusion of warranty; and each file should have at least the "copyright" line
and a pointer to where the full notice is found.

one line to give the library's name and an idea of what it does.
Copyright (C) year  name of author

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANDISABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

signature of Ty Coon, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

*Shoal
%% The following software may be included in this product: JXTA
Use of any of this software is governed by the terms of the license below:

Copyright (c) 2001-2004 Sun Microsystems, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment: "This product includes software developed by Sun Microsystems, Inc. for JXTA(TM) technology." Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names "Sun", "Sun Microsystems, Inc.", "JXTA" and "Project JXTA" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact Project JXTA at http://www.jxta.org.
5. Products derived from this software may not be called "JXTA", nor may "JXTA" appear in their name, without prior written permission of Sun.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL SUN MICROSYSTEMS OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

JXTA is a registered trademark of Sun Microsystems, Inc. in the United States and other countries.

*JBI

%%% The following software may be included in this product: XML Beans, commons-httpclient.jar, resolver.jar, commons-codec, commons-logging
Use of any of this software is governed by the terms of the license below:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise
transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

1. You must give any other recipients of the Work or Derivative Works a copy of this License; and

2. You must cause any modified files to carry prominent notices stating that You changed the files; and

3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any
additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

%% The following software may be included in this product: wsdl4j.jar
Use of any of this software is governed by the terms of the license below:

Common Public License - v 1.0
THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.
1. DEFINITIONS
"Contribution” means:
a) in the case of the initial Contributor, the initial code and documentation
distributed under this Agreement, and
b) in the case of each subsequent Contributor:
i) changes to the Program, and
ii) additions to the Program;
where such changes and/or additions to the Program originate from and are
distributed by that particular Contributor. A Contribution 'originates' from a
Contributor if it was added to the Program by such Contributor itself or
anyone acting on such Contributor's behalf. Contributions do not include
additions to the Program which: (i) are separate modules of software
distributed in conjunction with the Program under their own license agreement,
and (ii) are not derivative works of the Program.
"Contributor” means any person or entity that distributes the Program.
"Licensed Patents " mean patent claims licensable by a Contributor which are
necessarily infringed by the use or sale of its Contribution alone or when
combined with the Program.
"Program” means the Contributions distributed in accordance with this
Agreement.
"Recipient” means anyone who receives the Program under this Agreement,
including all Contributors.

2. GRANT OF RIGHTS
a) Subject to the terms of this Agreement, each Contributor hereby grants
Recipient a non-exclusive, worldwide, royalty-free copyright license to
reproduce, prepare derivative works of, publicly display, publicly perform,
distribute and sublicense the Contribution of such Contributor, if any, and
such derivative works, in source code and object code form.
b) Subject to the terms of this Agreement, each Contributor hereby grants
Recipient a non-exclusive, worldwide, royalty-free patent license under
Licensed Patents to make, use, sell, offer to sell, import and otherwise
transfer the Contribution of such Contributor, if any, in source code and
object code form. This patent license shall apply to the combination of the
Contribution and the Program if, at the time the Contribution is added by the
Contributor, such addition of the Contribution causes such combination to be
covered by the Licensed Patents. The patent license shall not apply to any
other combinations which include the Contribution. No hardware per se is
licensed hereunder.
c) Recipient understands that although each Contributor grants the licenses to
its Contributions set forth herein, no assurances are provided by any
Contributor that the Program does not infringe the patent or other
intellectual property rights of any other entity. Each Contributor disclaims
any liability to Recipient for claims brought by any other entity based on
infringement of intellectual property rights or otherwise. As a condition to
exercising the rights and licenses granted hereunder, each Recipient hereby
assumes sole responsibility to secure any other intellectual property rights
needed, if any. For example, if a third party patent license is required to
allow Recipient to distribute the Program, it is Recipient's responsibility to
acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient
copyright rights in its Contribution, if any, to grant the copyright license
set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under
its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and
conditions, express and implied, including warranties or conditions of title
and non-infringement, and implied warranties or conditions of merchantability
and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for
damages, including direct, indirect, special, incidental and consequential
damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered
by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such
Contributor, and informs licensees how to obtain it in a reasonable manner on
or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within
the Program.

Each Contributor must identify itself as the originator of its Contribution,
if any, in a manner that reasonably allows subsequent Recipients to identify
the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with
respect to end users, business partners and the like. While this license is
intended to facilitate the commercial use of the Program, the Contributor who
includes the Program in a commercial product offering should do so in a manner
which does not create potential liability for other Contributors. Therefore,
if a Contributor includes the Program in a commercial product offering, such
Contributor ("Commercial Contributor") hereby agrees to defend and indemnify
every other Contributor ("Indemnified Contributor") against any losses,
damages and costs (collectively "Losses") arising from claims, lawsuits and
other legal actions brought by a third party against the Indemnified
Contributor to the extent caused by the acts or omissions of such Commercial
Contributor in connection with its distribution of the Program in a commercial
product offering. The obligations in this section do not apply to any claims
or Losses relating to any actual or alleged intellectual property
infringement. In order to qualify, an Indemnified Contributor must:

a) promptly notify the Commercial Contributor in writing of such claim, and

b) allow the Commercial Contributor to control, and cooperate with the Commercial
   Contributor in, the defense and any related settlement negotiations. The
Indemnified Contributor may participate in any such claim at its own expense. For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY
EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY
EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL
If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient’s rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does
not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

Copyright 2007 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.

Sun Microsystems, Inc. has intellectual property rights relating to technology embodied in the product that is described in this document. In particular, and without limitation, these intellectual property rights may include one or more of the U.S. patents listed at http://www.sun.com/patents and one or more additional patents or pending patent applications in the U.S. and in other countries.

Unpublished - rights reserved under the Copyright Laws of the United States.

U.S. Government Rights - Commercial software. Government users are subject to the Sun Microsystems, Inc. standard license agreement and applicable provisions of the FAR and its supplements.

Use is subject to license terms.

This distribution may include materials developed by third parties.

Parts of the product may be derived from Berkeley BSD systems, licensed from the University of California. UNIX is a registered trademark in the U.S. and in other countries, exclusively licensed through X/Open Company, Ltd.
This product is covered and controlled by U.S. Export Control laws and may be subject to the export or import laws in other countries. Nuclear, missile, chemical biological weapons or nuclear maritime end uses or end users, whether direct or indirect, are strictly prohibited. Export or reexport to countries subject to U.S. embargo or to entities identified on U.S. export exclusion lists, including, but not limited to, the denied persons and specially designated nationals lists is strictly prohibited.

Copyright 2007 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, Etats-Unis. Tous droits réservés.

Sun Microsystems, Inc. détient les droits de propriété intellectuels relatifs à la technologie incorpore dans le produit qui est décrit dans ce document. En particulier, et ce sans limitation, ces droits de propriété intellectuelle peuvent inclure un ou plus des brevets américains listés à l'adresse http://www.sun.com/patents et un ou les brevets supplémentaires ou les applications de brevet en attente aux États-Unis et dans les autres pays.

Non publie - droits réservés selon la législation des États-Unis sur le droit d'auteur.

L'utilisation est soumise aux termes de la Licence.

Cette distribution peut comprendre des composants développés par des tiers et parties.

Des parties de ce produit pourront être utilisées des systèmes Berkeley BSD licenciés par l'Université de Californie. UNIX est une marque déposée aux États-Unis et dans d'autres pays et licenciée exclusivement par X/Open Company, Ltd.

Sun, Sun Microsystems, le logo Sun, Java, Jini, Netra, Solaris, Sun Ray, Sun Java System Application Server, Java API for XML-based RPC, Java APIs for XML Web Services, Java Architecture for XML Binding, Java Authorization Contract for Containers, Java EE, Java Message Queue, Java Persistence API, Java Servlet, JavaMail, Enterprise JavaBeans, JavaServer Pages, JavaServer Faces, JDBC et Java API for XML Registries sont des marques de fabrique ou des marques déposées de Sun Microsystems, Inc. aux États-Unis et dans d'autres pays.

Ce produit est soumis à la législation américaine en matière de contrôle des exportations et peut être soumis à la réglementation en vigueur dans d'autres pays dans le domaine des exportations et importations. Les utilisations, ou utilisateurs finaux, pour des armes nucléaires, des missiles, des armes biologiques et chimiques ou du nucléaire maritime, directement ou indirectement, sont strictement interdites. Les exportations ou reexportations vers les pays sous embargo américain, ou vers des entités figurant sur les listes d'exclusion d'exportation américaines, y compris, mais de manière non exhaustive, la liste de personnes qui font objet d'un ordre de ne pas participer, d'une façon directe ou indirecte, aux exportations des produits ou des services qui sont rattachés à la législation américaine en matière de contrôle des exportations et la liste de ressortissants spécifiquement désignés, sont rigoureusement interdites.

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor means each individual or entity that creates or contributes to the creation of Modifications.
1.2. Contributor Version means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable means the Covered Software in any form other than Source Code.

1.5. Initial Developer means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License means this document.

1.8. Licensable means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications means the Source Code and Executable form of any of the following:
   A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;
   B. Any new file that contains any part of the Original Software or previous Modification; or
   C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You (or Your) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, You includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, control means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.
Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:
   (a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use,
reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and
(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).
(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.
(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.
Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:
(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and
(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).
(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.
(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipients rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a)rename the license and remove any references to the
name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN AS IS BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF
INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item, as that term is defined in 48C.F.R.2.101 (Oct. 1995), consisting of commercial computer software (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and commercial computer software documentation as such terms are used in 48C.F.R.12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdictions conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)
The GlassFish code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a
Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:
(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a
medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under
any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN .AS IS. BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant,) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF
SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item., as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software. (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction’s conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys’ fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the
Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT
NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Sun Microsystems, Inc. are subject to the following clarification and special exception to the GPL Version 2, but only where Sun has expressly included in the particular source file's header the words

"Sun designates this particular file as subject to the "Classpath" exception as provided by Sun in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

1.211 commons-codec 1.7
1.211.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Apache Commons Codec
Copyright 2002-2012 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

--------------------------------------------------------------------------------


Copyright (C) 2002 Kevin Atkinson (kevina@gnu.org). Verbatim copying and distribution of this entire article is permitted in any medium, provided this notice is preserved.

--------------------------------------------------------------------------------

1.212 servlet-api 2.3
1.212.1 Available under license :

No license file was found, but licenses were detected in source scan.

/*
 * The Apache Software License, Version 1.1
 *
 * Copyright (c) 1999 The Apache Software Foundation. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
 *
 * 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
 *
 * 3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:
 * "This product includes software developed by the Apache Software Foundation (http://www.apache.org/)."
Alternatively, this acknowledge may appear in the software itself, if and wherever such third-party acknowledgements normally appear.

4. The names "The Jakarta Project", "Tomcat", and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.

5. Products derived from this software may not be called "Apache" nor may "Apache" appear in their names without prior written permission of the Apache Group.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/jsp/tagext/BodyContent.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/jsp/tagext/BodyTag.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/jsp/tagext/TagAttributeInfo.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/jsp/JspPage.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/jsp/PageContext.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/jsp/tagext/VariableInfo.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/jsp/HttpJspPage.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/jsp/PageContext.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/jsp/TagAttributeInfo.java
/*
 * The Apache Software License, Version 1.1
 *
 * Copyright (c) 1999 The Apache Software Foundation. All rights
 * reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in
 * the documentation and/or other materials provided with the
 * distribution.
 * 3. The end-user documentation included with the redistribution, if
 * any, must include the following acknowledgement:
 * "This product includes software developed by the
 * Apache Software Foundation (http://www.apache.org/)."
 * Alternately, this acknowlegement may appear in the software itself,
 * if and wherever such third-party acknowledgements normally appear.
 *
 * Foundation" must not be used to endorse or promote products derived
 * from this software without prior written permission. For written
 * permission, please contact apache@apache.org.
 */

No license file was found, but licenses were detected in source scan.
* 5. Products derived from this software may not be called "Apache"
  * nor may "Apache" appear in their names without prior written
  * permission of the Apache Group.
  *
  * THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
  * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
  * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
  * DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
  * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
  * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
  * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
  * USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
  * ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
  * OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
  * OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
  * SUCH DAMAGE.
  * ====================================================================
  *
  * This software consists of voluntary contributions made by many
  * individuals on behalf of the Apache Software Foundation. For more
  * information on the Apache Software Foundation, please see
  *
  * ====================================================================
  *
  * This source code implements specifications defined by the Java
  * Community Process. In order to remain compliant with the specification
  * DO NOT add / change / or delete method signatures!
  */

Found in path(s):
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/UnavailableException.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/http/Cookie.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/http/HttpSessionBindingListener.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/ServletRequest.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/ServletResponse.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/ServletException.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/ServletInputStream.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/HttpSessionBindingListener.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/ServletRequest.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/ServletResponse.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/ServletException.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/ServletInputStream.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/Servlet.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/http/HttpSessionContext.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/HttpSessionContext.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/HttpSessionContext.java
* /opt/cola/permits/1136271570_1613725498.21/0/servlet-api-2-3-sources-1-jar/javax/servlet/HttpSessionContext.java
1.213 tomcat-servlet-api 8.5.3
1.213.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation.
source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

APACHE TOMCAT SUBCOMPONENTS:

Apache Tomcat includes a number of subcomponents with separate copyright notices and license terms. Your use of these subcomponents is subject to the terms and conditions of the following licenses.

For the following XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;
B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this
License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted:
(1) for code that You delete from the Original Software, or (2) for
infringements caused by: (i) the modification of the Original
Software, or (ii) the combination of the Original Software with
other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third
party intellectual property claims, each Contributor hereby grants You a
world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark)
    Licensable by Contributor to use, reproduce, modify, display,
    perform, sublicense and distribute the Modifications created by such
    Contributor (or portions thereof), either on an unmodified basis,
    with other Modifications, as Covered Software and/or as part of a
    Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of
    Modifications made by that Contributor either alone and/or in
    combination with its Contributor Version (or portions of such
    combination), to make, use, sell, offer for sale, have made, and/or
    otherwise dispose of: (1) Modifications made by that Contributor (or
    portions thereof); and (2) the combination of Modifications made by
    that Contributor with its Contributor Version (or portions of such
    combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on
    the date Contributor first distributes or otherwise makes the
    Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted:
(1) for any code that Contributor has deleted from the Contributor
    Version; (2) for infringements caused by: (i) third party
    modifications of Contributor Version, or (ii) the combination of
    Modifications made by that Contributor with other software (except
    as part of the Contributor Version) or other devices; or (3) under
    Patent Claims infringed by Covered Software in the absence of
    Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in
Executable form must also be made available in Source Code form and that
Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients. rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient.s rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.
You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.
6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.
The Covered Software is a commercial item, as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software, as that term is defined at 48 C.F.R. § 252.227-7014(a)(1)) and commercial computer software documentation, as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys, fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating
This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

The original XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd

may be obtained from:

1.214 activemq-mqtt 5.16.1
1.214.1 Available under license:

ActiveMQ :: MQTT Protocol
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work,
excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.215 jetty-xml 9.4.11.v20180605

1.216 kerberos 1.17-9.el8

1.216.1 Available under license:

[ NOTE: MIT has only incorporated the mechglue and spnego change, and not the incremental propagation changes. The filenames are different between the Sun and MIT sources. The actual MIT filenames appear in the top-level README file. Original text of Sun's LICENSE file follows. ]

Subject to the license set forth below, Sun Microsystems, Inc. donates the attached files to MIT for the purpose of including these modifications and additions in future versions of the Kerberos system.

Many of the files attached are subject to licenses issued by other entities, including OpenVision, MIT, and FundsXpress. See the individual files, and/or related Readme files, for these licenses.

In addition Sun requires that the license set forth below be incorporated into any future version of the Kerberos system which contains portions of the files attached. The following files must be listed, in the top level Readme file, as being provided subject to such license:

```
cmd/krb5/iprop/iprop.x
```
```
cmd/krb5/iprop/iprop_hdr.h
```
```
cmd/krb5/kadmin/server/ipropd_svc.c
```
```
cmd/krb5/kproplog/kproplog.c
```
```
cmd/krb5/slave/kpropd_rpc.c
```
```
lib/gss_mechs/mech_krb5/et/kdb5_err.c
```
```
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
```
```
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
```
```
lib/krb5/kadm5/kadm_host_srv_names.c
```
```
lib/krb5/kdb/kdb_convert.c
```
```
lib/krb5/kdb/kdb_hdr.h
```
```
lib/krb5/kdb/kdb_log.c
```
```
lib/krb5/kdb/kdb_log.h
```
```
lib/libgss/g_accept_sec_context.c
```
```
lib/libgss/g_acquire_cred.c
```
```
lib/libgss/g_canon_name.c
```

Open Source Used In CSPC_Collector 2.9.1 1966
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

Sun's License is as follows:

Copyright (c) 2004 Sun Microsystems, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
Copyright (C) 1985-2019 by the Massachusetts Institute of Technology.

All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Downloading of this software may constitute an export of cryptographic
software from the United States of America that is subject to the
United States Export Administration Regulations (EAR), 15 CFR 730-774.
Additional laws or regulations may apply. It is the responsibility of
the person or entity contemplating export to comply with all
applicable export laws and regulations, including obtaining any
required license from the U.S. government.

The U.S. government prohibits export of encryption source code to
certain countries and individuals, including, but not limited to, the
countries of Cuba, Iran, North Korea, Sudan, Syria, and residents and
nationals of those countries.

Documentation components of this software distribution are licensed
under a Creative Commons Attribution-ShareAlike 3.0 Unported License.
Individual source code files are copyright MIT, Cygnus Support, Novell, OpenVision Technologies, Oracle, Red Hat, Sun Microsystems, FundsXpress, and others.

Project Athena, Athena, Athena MUSE, Discuss, Hesiod, Kerberos, Moira, and Zephyr are trademarks of the Massachusetts Institute of Technology (MIT). No commercial use of these trademarks may be made without prior written permission of MIT.

"Commercial use" means use of a name in a product or other for-profit manner. It does NOT prevent a commercial firm from referring to the MIT trademarks in order to convey information (although in doing so, recognition of their trademark status should be given).

======================================================================

The following copyright and permission notice applies to the OpenVision Kerberos Administration system located in "kadmin/create", "kadmin/dbutil", "kadmin/passwd", "kadmin/server", "lib/kadm5", and portions of "lib/rpc":


WARNING: Retrieving the OpenVision Kerberos Administration system source code, as described below, indicates your acceptance of the following terms. If you do not agree to the following terms, do not retrieve the OpenVision Kerberos administration system.

You may freely use and distribute the Source Code and Object Code compiled from it, with or without modification, but this Source Code is provided to you "AS IS" EXCLUSIVE OF ANY WARRANTY, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, WHETHER EXPRESS OR IMPLIED. IN NO EVENT WILL OPENVISION HAVE ANY LIABILITY FOR ANY LOST PROFITS, LOSS OF DATA OR COSTS OF PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES, OR FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THIS AGREEMENT, INCLUDING, WITHOUT LIMITATION, THOSE RESULTING FROM THE USE OF THE SOURCE CODE, OR THE FAILURE OF THE SOURCE CODE TO PERFORM, OR FOR ANY OTHER REASON.

OpenVision retains all copyrights in the donated Source Code. OpenVision also retains copyright to derivative works of the Source Code, whether created by OpenVision or by a third party. The OpenVision copyright notice must be preserved if derivative works
are made based on the donated Source Code.

OpenVision Technologies, Inc. has donated this Kerberos Administration system to MIT for inclusion in the standard Kerberos 5 distribution. This donation underscores our commitment to continuing Kerberos technology development and our gratitude for the valuable work which has been performed by MIT and the Kerberos community.

======================================================================
Portions contributed by Matt Crawford "crawdad@fnal.gov" were work performed at Fermi National Accelerator Laboratory, which is operated by Universities Research Association, Inc., under contract DE-AC02-76CHO3000 with the U.S. Department of Energy.

======================================================================
Portions of "src/lib/crypto" have the following copyright:

Copyright (C) 1998 by the FundsXpress, INC.

All rights reserved.

Export of this software from the United States of America may require a specific license from the United States Government.
It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of FundsXpress. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. FundsXpress makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

======================================================================

The implementation of the AES encryption algorithm in "src/lib/crypto/builtin/aes" has the following copyright:
Copyright (C) 2001, Dr Brian Gladman "brg@gladman.uk.net", Worcester, UK.
All rights reserved.

LICENSE TERMS

The free distribution and use of this software in both source and binary form is allowed (with or without changes) provided that:

1. distributions of this source code include the above copyright notice, this list of conditions and the following disclaimer;

2. distributions in binary form include the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other associated materials;

3. the copyright holder's name is not used to endorse products built using this software without specific written permission.

DISCLAIMER

This software is provided 'as is' with no explicit or implied warranties in respect of any properties, including, but not limited to, correctness and fitness for purpose.

======================================================================
Portions contributed by Red Hat, including the pre-authentication plug-in framework and the NSS crypto implementation, contain the following copyright:

Copyright (C) 2006 Red Hat, Inc.
Portions copyright (C) 2006 Massachusetts Institute of Technology All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Red Hat, Inc., nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The bundled verto source code is subject to the following license:

Copyright 2011 Red Hat, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================

The MS-KKDCP client implementation has the following copyright:

Copyright 2013,2014 Red Hat, Inc.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

are subject to the following license:

Copyright (C) 2004 Sun Microsystems, Inc.

Permission is hereby granted, free of charge, to any person
obtaining a copy of this software and associated documentation
files (the "Software"), to deal in the Software without
restriction, including without limitation the rights to use, copy,
modify, merge, publish, distribute, sublicense, and/or sell copies
of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================

Kerberos V5 includes documentation and software developed at the University of California at Berkeley, which includes this copyright notice:

Copyright (C) 1983 Regents of the University of California.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
Portions contributed by Novell, Inc., including the LDAP database backend, are subject to the following license:

Copyright (C) 2004-2005, Novell, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* The copyright holder's name is not used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Portions funded by Sandia National Laboratory and developed by the University of Michigan's Center for Information Technology Integration, including the PKINIT implementation, are subject to the following license:

COPYRIGHT (C) 2006-2007
THE REGENTS OF THE UNIVERSITY OF MICHIGAN
Permission is granted to use, copy, create derivative works and redistribute this software and such derivative works for any purpose, so long as the name of The University of Michigan is not used in any advertising or publicity pertaining to the use of distribution of this software without specific, written prior authorization. If the above copyright notice or any other identification of the University of Michigan is included in any copy of any portion of this software, then the disclaimer below must also be included.

THIS SOFTWARE IS PROVIDED AS IS, WITHOUT REPRESENTATION FROM THE UNIVERSITY OF MICHIGAN AS TO ITS FITNESS FOR ANY PURPOSE, AND WITHOUT WARRANTY BY THE UNIVERSITY OF MICHIGAN OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE REGENTS OF THE UNIVERSITY OF MICHIGAN SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WITH RESPECT TO ANY CLAIM ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE SOFTWARE, EVEN IF IT HAS BEEN OR IS HEREAFTER ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

The pkcs11.h file included in the PKINIT code has the following license:

Copyright 2006 g10 Code GmbH
Copyright 2006 Andreas Jellinghaus

This file is free software; as a special exception the author gives unlimited permission to copy and/or distribute it, with or without modifications, as long as this notice is preserved.

This file is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, to the extent permitted by law; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

Portions contributed by Apple Inc. are subject to the following license:

Copyright 2004-2008 Apple Inc. All Rights Reserved.

Export of this software from the United States of America may
require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Apple Inc. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Apple Inc. makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

======================================================================
The implementations of UTF-8 string handling in src/util/support and src/lib/krb5/unicode are subject to the following copyright and permission notice:

The OpenLDAP Public License
Version 2.8, 17 August 2003

Redistribution and use of this software and associated documentation ("Software"), with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source form must retain copyright statements and notices,

2. Redistributions in binary form must reproduce applicable copyright statements and notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution, and

3. Redistributions must contain a verbatim copy of this document.

The OpenLDAP Foundation may revise this license from time to time. Each revision is distinguished by a version number. You may use this Software under terms of this license revision or under the terms of any subsequent revision of the license.
THIS SOFTWARE IS PROVIDED BY THE OPENLDAP FOUNDATION AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OPENLDAP FOUNDATION, ITS CONTRIBUTORS, OR THE AUTHOR(S) OR OWNER(S) OF THE SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The names of the authors and copyright holders must not be used in advertising or otherwise to promote the sale, use or other dealing in this Software without specific, written prior permission. Title to copyright in this Software shall at all times remain with copyright holders.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Copyright 1999-2003 The OpenLDAP Foundation, Redwood City, California, USA. All Rights Reserved. Permission to copy and distribute verbatim copies of this document is granted.

======================================================================

Marked test programs in src/lib/krb5/krb have the following copyright:

Copyright (C) 2006 Kungliga Tekniska Hgskola (Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of KTH nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THE KCM Mach RPC definition file used on macOS has the following copyright:

Copyright (C) 2009 Kungliga Tekniska Hgskola
(Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Portions Copyright (C) 2009 Apple Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the Institute nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

================================================================================

Portions of the RPC implementation in src/lib/rpc and src/include/gssrpc have the following copyright and permission notice:

Copyright (C) 2010, Oracle America, Inc.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the "Oracle America, Inc." nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
Copyright (C) 2006,2007,2009 NTT (Nippon Telegraph and Telephone Corporation). All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer as the first lines of this file unmodified.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY NTT "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL NTT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---------------------------------------------------------------------

Copyright 2000 by Carnegie Mellon University

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Carnegie Mellon University not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL WARRANTIES WITH REGARD TO
THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL CARNEGIE MELLON UNIVERSITY BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

======================================================================

Copyright (C) 2002 Naval Research Laboratory (NRL/CCS)

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof.

NRL ALLOWS FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION AND DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

======================================================================


Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Cygnus Support makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

======================================================================

Copyright (C) 2006 Secure Endpoints Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================

Portions of the implementation of the Fortuna-like PRNG are subject to the following notice:

Copyright (C) 2005 Marko Kreen
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (C) 1994 by the University of Southern California

EXPORT OF THIS SOFTWARE from the United States of America may
require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to copy, modify, and distribute this software and its documentation in source and binary forms is hereby granted, provided that any documentation or other materials related to such distribution or use acknowledge that the software was developed by the University of Southern California.

DISCLAIMER OF WARRANTY. THIS SOFTWARE IS PROVIDED "AS IS". The University of Southern California MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. By way of example, but not limitation, the University of Southern California MAKES NO REPRESENTATIONS OR WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. The University of Southern California shall not be held liable for any liability nor for any direct, indirect, or consequential damages with respect to any claim by the user or distributor of the ksu software.

======================================================================

Copyright (C) 1995
The President and Fellows of Harvard University

This code is derived from software contributed to Harvard by Jeremy Rassen.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgement:

   This product includes software developed by the University of California, Berkeley and its contributors.

4. Neither the name of the University nor the names of its
THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Copyright (C) 2008 by the Massachusetts Institute of Technology.
Copyright 1995 by Richard P. Basch. All Rights Reserved.
Copyright 1995 by Lehman Brothers, Inc. All Rights Reserved.

Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Richard P. Basch, Lehman Brothers and M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Richard P. Basch, Lehman Brothers and M.I.T. make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

======================================================================

The following notice applies to "src/lib/krb5/krb/strptime.c" and "src/include/k5-queue.h".

Copyright (C) 1997, 1998 The NetBSD Foundation, Inc.
All rights reserved.

This code was contributed to The NetBSD Foundation by Klaus Klein.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgement:

   This product includes software developed by the NetBSD Foundation, Inc. and its contributors.

4. Neither the name of The NetBSD Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following notice applies to Unicode library files in "src/lib/krb5/unicode":

Copyright 1997, 1998, 1999 Computing Research Labs,
New Mexico State University

Permission is hereby granted, free of charge, to any person
obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE COMPUTING RESEARCH LAB OR NEW MEXICO STATE UNIVERSITY BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================

The following notice applies to "src/util/support/strlcpy.c":

Copyright (C) 1998 Todd C. Miller "Todd.Miller@courtesan.com"

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

======================================================================

The following notice applies to "src/util/profile/argv_parse.c" and "src/util/profile/argv_parse.h":

Copyright 1999 by Theodore Ts'o.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that
the above copyright notice and this permission notice appear in all
copies. THE SOFTWARE IS PROVIDED "AS IS" AND THEODORE TS'O (THE
AUTHOR) DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,
INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN
NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT,
INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER
RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION
OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR
IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. (Isn't
it sick that the U.S. culture of lawsuit-happy lawyers requires
this kind of disclaimer?)

======================================================================
The following notice applies to SWIG-generated code in
"src/util/profile/profile_tcl.c":

Copyright (C) 1999-2000, The University of Chicago

This file may be freely redistributed without license or fee
provided this copyright message remains intact.

======================================================================
The following notice applies to portions of "src/lib/rpc" and
"src/include/gssrpc":

Copyright (C) 2000 The Regents of the University of Michigan. All
rights reserved.

Copyright (C) 2000 Dug Song "dugsong@UMICH.EDU". All rights
reserved, all wrongs reversed.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above
copyright notice, this list of conditions and the following
disclaimer.

2. Redistributions in binary form must reproduce the above
copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials provided
with the distribution.

3. Neither the name of the University nor the names of its
contributors may be used to endorse or promote products derived
from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE
USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH
DAMAGE.

======================================================================
Implementations of the MD4 algorithm are subject to the following
notice:

Copyright (C) 1990, RSA Data Security, Inc. All rights reserved.

License to copy and use this software is granted provided that it
is identified as the "RSA Data Security, Inc. MD4 Message Digest
Algorithm" in all material mentioning or referencing this software
or this function.

License is also granted to make and use derivative works provided
that such works are identified as "derived from the RSA Data
Security, Inc. MD4 Message Digest Algorithm" in all material
mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either
the merchantability of this software or the suitability of this
software for any particular purpose. It is provided "as is"
without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this
documentation and/or software.

======================================================================

Implementations of the MD5 algorithm are subject to the following
notice:

Copyright (C) 1990, RSA Data Security, Inc. All rights reserved.

License to copy and use this software is granted provided that it
is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

======================================================================

The following notice applies to
"src/lib/crypto/crypto_tests/t_mddriver.c":

Copyright (C) 1990-2, RSA Data Security, Inc. Created 1990. All rights reserved.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

======================================================================

Portions of "src/lib/krb5" are subject to the following notice:

Copyright (C) 1994 CyberSAFE Corporation.
All Rights Reserved.

Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and
distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Furthermore if you modify this software you must label your software as modified software and not distribute it in such a fashion that it might be confused with the original M.I.T. software. Neither M.I.T., the Open Computing Security Group, nor CyberSAFE Corporation make any representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

======================================================================

Portions contributed by PADL Software are subject to the following license:

Copyright (c) 2011, PADL Software Pty Ltd. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of PADL Software nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY PADL SOFTWARE AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL PADL SOFTWARE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The bundled libev source code is subject to the following license:

All files in libev are Copyright (C)2007,2008,2009 Marc Alexander Lehmann.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Alternatively, the contents of this package may be used under the terms of the GNU General Public License ("GPL") version 2 or any later version, in which case the provisions of the GPL are applicable instead of the above. If you wish to allow the use of your version of this package only under the terms of the GPL and not to allow others to use your version of this file under the BSD license, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the GPL in this and the other files of this package. If you do not delete the provisions above, a recipient may use your version of this file under either the BSD or the GPL.

======================================================================
Files copied from the Intel AESNI Sample Library are subject to the following license:

Copyright (C) 2010, Intel Corporation All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Intel Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The following notice applies to
"src/ccapi/common/win/OldCC/autolock.hxx":

Copyright (C) 1998 by Danilo Almeida. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above
  copyright notice, this list of conditions and the following
  disclaimer in the documentation and/or other materials provided
  with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
严格责任, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The following notice applies to portions of
"src/plugins/preauth/spake/edwards25519.c" and
"src/plugins/preauth/spake/edwards25519_tables.h":

The MIT License (MIT)

Copyright (c) 2015-2016 the fiat-crypto authors (see the AUTHORS
file).

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

====================================================================

The following notice applies to portions of "src/plugins/preauth/spake/edwards25519.c":

Copyright (c) 2015-2016, Google Inc.

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright

Copyright |copy| 1985-2019 by the Massachusetts Institute of Technology and its contributors. All rights reserved.

See :ref:`mitK5license` for additional copyright and license information.

.. _mitK5license:

MIT Kerberos License information

================================

.. toctree::
   :hidden:

   copyright.rst

.. include:: notice.rst

1.217 jetty-infinispan 9.4.11.v20180605
HEAR YE, HEAR YE!

All of the .java software and associated documentation about the DOM in this repository are distributed under the license from the W3C, which is provided herein.

LICENSE.dom-software.txt covers all software from the W3C including the following items in the xml-commons project:

xml-commons/java/external/src/org/w3c and all subdirectories

(Note: SAC (The Simple API for CSS) has been published under an older version of the W3C license. The original license file is LICENSE.sac.html.)

LICENSE.dom-documentation.txt covers all documentation from the W3C including the following items in the xml-commons project:

xml-commons/java/external/xdocs/dom and all subdirectories

The actual DOM Java Language Binding classes in xml-commons came from:
http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/java-binding.html

The specification of DOM Level 3's various parts is at:
http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/
http://www.w3.org/TR/2004/REC-DOM-Level-3-LS-20040407/
http://www.w3.org/TR/2004/NOTE-DOM-Level-3-XPath-20040226/

The specification of DOM Level 2's various parts is at:
http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Style-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Traversal-Range-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Views-20001113/

The specification of DOM Level 1’s various parts is at:
Links to all available W3C DOM Java Bindings can be found at:
http://www.w3.org/DOM/DOMTR

The actual classes of The Simple API for CSS (SAC) came from:
http://www.w3.org/Style/CSS/SAC/
http://www.w3.org/2002/06/sacjava-1.3.zip

The actual DOM Java Language Binding classes for SMIL came from:
http://dev.w3.org/cvsweb/java/classes/org/w3c/dom/smil/
(both ElementTimeControl.java and TimeEvent.java were taken at revision 1.1)

The actual DOM Java Language Binding classes for SVG 1.1 came from:
http://www.w3.org/2002/06/svg11/java.html


HEAR YE, HEAR YE!

All of the .java software and associated documentation about
SAX in this repository are distributed freely in the
public domain.

LICENSE.sax.txt covers all software and documentation from the
megginson.com including the following in the xml-commons project:

xml-commons/java/external/src/org/xml/sax
and all subdirectories
xml-commons/java/external/xdocs/sax
and all subdirectories

The actual SAX classes in xml-commons came from:
http://www.megginson.com/Software/index.html
The original versions are tagged 'SAX-2.0-r2-prerelease'

========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License. ==
== Version 2.0, in this case for the Apache xml-commons xml-apis ==
== distribution. ==
========================================================================

Apache XML Commons XML APIs
Copyright 2006 The Apache Software Foundation.

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Portions of this software were originally based on the following:
- software copyright (c) 2000 World Wide Web Consortium, http://www.w3.org

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.


This license came from: http://www.w3.org/Consortium/Legal/copyright-software-20021231

W3C SOFTWARE NOTICE AND LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This work (and included software, documentation such as READMEs, or other
related items) is being provided by the copyright holders under the following
license. By obtaining, using and/or copying this work, you (the licensee) agree
that you have read, understood, and will comply with the following terms and
conditions.

Permission to copy, modify, and distribute this software and its documentation,
with or without modification, for any purpose and without fee or royalty is
hereby granted, provided that you include the following on ALL copies of the
software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the
   redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms
   and conditions. If none exist, the W3C Software Short Notice should be
   included (hypertext is preferred, text is permitted) within the body
   of any redistributed or derivative code.
3. Notice of any changes or modifications to the files, including the date
   changes were made. (We recommend you provide URIs to the location from
   which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE
NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED
TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT
THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY
PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or
publicity pertaining to the software without specific, written prior permission.
Title to copyright in this software and any associated documentation will at
all times remain with copyright holders.

This formulation of W3C's notice and license became active on December 31 2002.
This version removes the copyright ownership notice such that this license can
be used with materials other than those owned by the W3C, reflects that ERCIM
is now a host of the W3C, includes references to this specific dated version of
the license, and removes the ambiguous grant of "use". Otherwise, this version
is the same as the previous version and is written so as to preserve the Free
Software Foundation's assessment of GPL compatibility and OSI's certification
under the Open Source Definition. Please see our Copyright FAQ for common
questions about using materials from our site, including specific terms and
conditions for packages like libwww, Amaya, and Jigsaw. Other questions about
this notice can be directed to site-policy@w3.org.

Joseph Reagle <site-policy@w3.org>

Last revised by Reagle $Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) $
xml-commons/java/external/LICENSE.dom-documentation.txt $Id: LICENSE.dom-documentation.txt 226215

This license came from: http://www.w3.org/Consortium/Legal/copyright-documents-20021231

W3C DOCUMENT LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231

Public documents on the W3C site are provided by the copyright holders under
the following license. By using and/or copying this document, or the W3C
document from which this statement is linked, you (the licensee) agree that
you have read, understood, and will comply with the following terms and
conditions:

Permission to copy, and distribute the contents of this document, or the W3C
document from which this statement is linked, in any medium for any purpose
and without fee or royalty is hereby granted, provided that you include the
following on ALL copies of the document, or portions thereof, that you use:

1. A link or URL to the original W3C document.
2. The pre-existing copyright notice of the original author, or if it doesn't exist, a notice (hypertext is preferred, but a textual representation is permitted) of the form: "Copyright [date-of-document] World Wide Web Consortium, (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University). All Rights Reserved.
   http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231"
3. If it exists, the STATUS of the W3C document.

When space permits, inclusion of the full text of this NOTICE should be provided. We request that authorship attribution be provided in any software, documents, or other items or products that you create pursuant to the implementation of the contents of this document, or any portion thereof.

No right to create modifications or derivatives of W3C documents is granted pursuant to this license. However, if additional requirements (documented in the Copyright FAQ) are satisfied, the right to create modifications or derivatives is sometimes granted by the W3C to individuals complying with those requirements.

THIS DOCUMENT IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR TITLE; THAT THE CONTENTS OF THE DOCUMENT ARE SUITABLE FOR ANY PURPOSE; NOR THAT THE IMPLEMENTATION OF SUCH CONTENTS WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE DOCUMENT OR THE PERFORMANCE OR IMPLEMENTATION OF THE CONTENTS THEREOF.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to this document or its contents without specific, written prior permission. Title to copyright in this document will at all times remain with copyright holders.

------------------------------------------------------------------

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, moves information on style sheets, DTDs, and schemas to the Copyright FAQ, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". See the older formulation for the policy prior to this date. Please see our Copyright FAQ for
common questions about using materials from our site, such as the translating or annotating specifications. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <site-policy@w3.org>

Last revised by Reagle $Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) $

This license came from: http://www.megginson.com/SAX/copying.html
However please note future versions of SAX may be covered under http://saxproject.org/?selected=pd

This page is now out of date -- see the new SAX site at http://www.saxproject.org/ for more up-to-date releases and other information. Please change your bookmarks.

SAX2 is Free!

I hereby abandon any property rights to SAX 2.0 (the Simple API for XML), and release all of the SAX 2.0 source code, compiled code, and documentation contained in this distribution into the Public Domain. SAX comes with NO WARRANTY or guarantee of fitness for any purpose.

David Megginson, david@megginson.com
2000-05-05

1.219 sqlite 3.23.1

1.219.1 Available under license :

The author disclaims copyright to this source code. In place of a legal notice, here is a blessing:

May you do good and not evil.
May you find forgiveness for yourself and forgive others.
May you share freely, never taking more than you give.

1.220 xstream 1.3.1
1.221 lz4-java 1.4

1.222 activemq 5.16.1

1.222.1 Available under license:

ActiveMQ :: Client
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
    Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
    stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
    that You distribute, all copyright, patent, trademark, and
    attribution notices from the Source form of the Work,
    excluding those notices that do not pertain to any part of
    the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Copyright (c) 2007-2010, The JASYPT team (http://www.jasypt.org)

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

---------------------------------

This distribution includes cryptographic software. The country in
which you currently reside may have restrictions on the import, possession, use, and/or re-export to another country, of encryption software. BEFORE using any encryption software, please check your country’s laws, regulations and policies concerning the import, possession, or use, and re-export of encryption software, to see if this is permitted. See http://www.wassenaar.org/ for more information.

The U.S. Government Department of Commerce, Bureau of Industry and Security (BIS), has classified this software as Export Commodity Control Number (ECCN) 5D002.C.1, which includes information security software using or performing cryptographic functions with asymmetric algorithms. The form and manner of this distribution makes it eligible for export under the License Exception ENC Technology Software Unrestricted (TSU) exception (see the BIS Export Administration Regulations, Section 740.13) for both object code and source code.

The following provides more details on the cryptographic software used (note that this software is not included in the distribution):

* The PBE Encryption facilities require the Java Cryptography extensions: http://java.sun.com/javase/technologies/security/.

---------------------------------

Distributions of this software may include software developed by The Apache Software Foundation (http://www.apache.org/).

---------------------------------

ICU License - ICU 1.8.1 and later

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2006 International Business Machines Corporation and others

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so,
provided that the above copyright notice(s) and this
permission notice appear in all copies of the Software and
that both the above copyright notice(s) and this
permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY
KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR
PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO
EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN
THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL
INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES
WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS,
WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE
USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright
holder shall not be used in advertising or otherwise to
promote the sale, use or other dealings in this Software
without prior written authorization of the copyright holder.

1.223 fping 4.2-2.epel8.playground
1.223.1 Available under license:

* Original author: Roland Schemers <schemers@stanford.edu>
* IPv6 Support: Jeroen Massar <jeroen@unfix.org / jeroen@ipng.nl>
* Improved main loop: David Schweikert <david@schweikert.ch>
* Debian Merge, TOS settings: Tobi Oetiker <tobi@oetiker.ch>
* Bugfixes, byte order & senseful seq.-numbers: Stephan Fuhrmann (stephan.fuhrmann AT 1und1.de)
* Redistribution and use in source and binary forms are permitted
  provided that the above copyright notice and this paragraph are
  duplicated in all such forms and that any documentation,
  advertising materials, and other materials related to such
  distribution and use acknowledge that the software was developed
  by Stanford University. The name of the University may not be used
  to endorse or promote products derived from this software without
  specific prior written permission.

* THIS SOFTWARE IS PROVIDED ``AS IS'' AND WITHOUT ANY EXPRESS OR
  IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED
  WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

1.224 cronie 1.5.2 4.el8
1.224.1 Available under license:

/*
 * Copyright (c) 2004 by Internet Systems Consortium, Inc. ("ISC")
 * Copyright (c) 1997,2000 by Internet Software Consortium, Inc.
 * Permission to use, copy, modify, and distribute this software for any
 * purpose with or without fee is hereby granted, provided that the above
 * copyright notice and this permission notice appear in all copies.
 *
 * THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES
 * WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
 * MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR
 * ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
 * WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
 * ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT
 * OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
 */

/*
 * Copyright (c) 1988, 1993, 1994
 * The Regents of the University of California. All rights reserved.
 *
 * This code is derived from software written by Ken Arnold and
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 *
 * THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
 * SUCH DAMAGE.
 *
 */

/*
 * Copyright (c) 1989, 1993
*The Regents of the University of California. All rights reserved. *
* This code is derived from software contributed to Berkeley by
* Paul Vixie.
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. Neither the name of the University nor the names of its contributors
*    may be used to endorse or promote products derived from this software
*    without specific prior written permission.
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* @(#)bitstring.h 8.1 (Berkeley) 7/19/93
*/

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term “modification”.) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.
You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.225 jsoup 1.11.3

1.225.1 Available under license:
The MIT License

Copyright (c) 2009-2018 Jonathan Hedley <jonathan@hedley.net>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.226 kexec-tools 2.0.20 14.el8

1.226.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License.  (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING Will ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:
Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.227 libusbx 1.0.22 1.el8

1.227.1 Available under license:
GNU LESSER GENERAL PUBLIC LICENSE
   Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.
This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the
ordinary GNU General Public License. This license, the GNU Lesser
General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License. We use
this license for certain libraries in order to permit linking those
libraries into non-free programs.

When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the
entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with
the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages
are the reason we use the ordinary General Public License for many
libraries. However, the Lesser license provides advantages in certain
special circumstances.

For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it becomes
a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this
case, there is little to gain by limiting the free library to free
software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free
programs enables a greater number of people to use a large body of
free software. For example, permission to use the GNU C Library in
non-free programs enables many more people to use the whole GNU
operating system, as well as its variant, the GNU/Linux operating
system.

Although the Lesser General Public License is Less protective of the
users' freedom, it does ensure that the user of a program that is
linked with the Library has the freedom and the wherewithal to run
that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and
modification follow. Pay close attention to the difference between a
"work based on the library" and a "work that uses the library". The
former contains code derived from the library, whereas the latter must
be combined with the library in order to run.
GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.
3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.
That's all there is to it!

1.228 lzo 2.08-14.el8
1.228.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.229 hk2-utils 2.5.0-b42

1.230 python-configobj 5.0.6 11.el8
1.230.1 Available under license :

Copyright (c):
2003-2010, Michael Foord
2014, Eli Courtwright, Rob Dennis
All rights reserved.
E-mails :
fuzzyman AT voidspace DOT org DOT uk
eli AT courtwright DOT org
rdennis AT gmail DOT com

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above
  copyright notice, this list of conditions and the following
  disclaimer in the documentation and/or other materials provided
  with the distribution.

* Neither the names of Michael Foord, Eli Courtwright or Rob Dennis,
  nor the name of Voidspace, may be used to endorse or promote
  products derived from this software without specific prior written
  permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.231 linux-firmware 8.83.5.1_1-94.el8.1

1.231.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.
"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This
License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an “aggregate” if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation’s users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent
that they are valid under applicable law. If additional permissions
apply only to part of the Program, that part may be used separately
under those permissions, but the entire Program remains governed by
this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part of
it. (Additional permissions may be written to require their own
removal in certain cases when you modify the work.) You may place
additional permissions on material, added by you to a covered work,
for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you
add to a covered work, you may (if authorized by the copyright holders of
that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the
terms of sections 15 and 16 of this License; or
b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your
license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the
rights granted or affirmed under this License. For example, you may
not impose a license fee, royalty, or other charge for exercise of
rights granted under this License, and you may not initiate litigation
(including a cross-claim or counterclaim in a lawsuit) alleging that
any patent claim is infringed by making, using, selling, offering for
sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The
work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims
owned or controlled by the contributor, whether already acquired or
hereafter acquired, that would be infringed by some manner, permitted
by this License, of making, using, or selling its contributor version,
but do not include claims that would be infringed only as a
consequence of further modification of the contributor version. For
purposes of this definition, "control" includes the right to grant
patent sublicenses in a manner consistent with the requirements of
this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free
patent license under the contributor's essential patent claims, to
make, use, sell, offer for sale, import and otherwise run, modify and
propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express
agreement or commitment, however denominated, not to enforce a patent
(such as an express permission to practice a patent or covenant not to
 sue for patent infringement). To "grant" such a patent license to a
party means to make such an agreement or commitment not to enforce a
patent against the party.

If you convey a covered work, knowingly relying on a patent license,
and the Corresponding Source of the work is not available for anyone
to copy, free of charge and under the terms of this License, through a
publicly available network server or other readily accessible means,
then you must either (1) cause the Corresponding Source to be so
available, or (2) arrange to deprive yourself of the benefit of the
patent license for this particular work, or (3) arrange, in a manner
consistent with the requirements of this License, to extend the patent
license to downstream recipients. "Knowingly relying" means you have
actual knowledge that, but for the patent license, your conveying the
covered work in a country, or your recipient's use of the covered work
in a country, would infringe one or more identifiable patents in that
country that you have reason to believe are valid.
If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License,
section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>

Open Source Used In CSPC_Collector 2.9.1 2009
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

1.232 perl-net-http 6.17-2.el8
1.232.1 Available under license :

This software is copyright (c) 2001-2017 by Gisle Aas.

This is free software; you can redistribute it and/or modify it under
the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free
   Software Foundation; either version 1, or (at your option) any
   later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 2001-2017 by Gisle Aas.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

   d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.
3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

   a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

   b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

   c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of the license which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
the license, you may choose any version ever published by the Free Software
Foundation.

8. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to humanity, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes
That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 2001-2017 by Gisle Aas.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you
duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not
advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

# NET-HTTP CONTRIBUTORS #

This is the (likely incomplete) list of people who have helped make this distribution what it is, either via code contributions, patches, bug reports, help with troubleshooting, etc. A huge 'thank you' to all of them.

* Adam Kennedy
* Adam Sjogren
* Alexey Tourbin
* Alex Kapranoff
* amire80
* Andreas J. Koenig
* Andy Grundman
* Bill Mann
* Bron Gondwana
* Chase Whitener
* Dagfinn Ilmari Mannsker
* Daniel Hedlund
* Dave Rolsky
* David E. Wheeler
* DAVIDRW
* David Steinbrunner
* Eric Wong
* Father Chrysostomos
* FWILES
* Gavin Peters
* Gisle Aas
* Gisle Aas
1.233 diffutils 3.6 5.el8

1.233.1 Available under license:
@c The GNU Free Documentation License.
@center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
c hence no sectioning command or @node.

@display
@uref{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
@end display

@enumerate 0
@item

PREAMBLE

The purpose of this License is to make a manual, textbook, or other
functional and useful document @dfn{free} in the sense of freedom: to
assure everyone the effective freedom to copy and redistribute it,
with or without modifying it, either commercially or noncommercially.
Secondarily, this License preserves for the author and publisher a way
to get credit for their work, while not being considered responsible
for modifications made by others.

This License is a kind of "copyleft", which means that derivative
works of the document must themselves be free in the same sense. It
complements the GNU General Public License, which is a copyleft
license designed for free software.

We have designed this License in order to use it for manuals for free
software, because free software needs free documentation: a free
program should come with manuals providing the same freedoms that the
software does. But this License is not limited to software manuals;
it can be used for any textual work, regardless of subject matter or
whether it is published as a printed book. We recommend this License
principally for works whose purpose is instruction or reference.

@item

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that
contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The `Document`, below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as `you`. You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A ``Modified Version`` of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A ``Secondary Section`` is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The ``Invariant Sections`` are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The ``Cover Texts`` are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A ``Transparent`` copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount
of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG@. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item
VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use
technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item
COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

@item
MODIFICATIONS
You may copy and distribute a Modified Version of the Document under
the conditions of sections 2 and 3 above, provided that you release
the Modified Version under precisely this License, with the Modified
Version filling the role of the Document, thus licensing distribution
and modification of the Modified Version to whoever possesses a copy
of it. In addition, you must do these things in the Modified Version:

@enumerate A
@item
Use in the Title Page (and on the covers, if any) a title distinct
from that of the Document, and from those of previous versions
(which should, if there were any, be listed in the History section
of the Document). You may use the same title as a previous version
if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities
responsible for authorship of the modifications in the Modified
Version, together with at least five of the principal authors of the
Document (all of its principal authors, if it has fewer than five),
unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the
Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications
adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice
giving the public permission to use the Modified Version under the
terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections
and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled "History", Preserve its Title, and add
to it an item stating at least the title, year, new authors, and
publisher of the Modified Version as given on the Title Page. If
there is no section Entitled ``History'' in the Document, create one
stating the title, year, authors, and publisher of the Document as
given on its Title Page, then add an item describing the Modified
Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for
public access to a Transparent copy of the Document, and likewise
the network locations given in the Document for previous versions
it was based on. These may be placed in the ``History'' section.
You may omit a network location for a work that was published at
least four years before the Document itself, or if the original
publisher of the version it refers to gives permission.

@item
For any section Entitled ``Acknowledgements'' or ``Dedications'', Preserve
the Title of the section, and preserve in the section all the
substance and tone of each of the contributor acknowledgements and/or
dedications given therein.

@item
Preserve all the Invariant Sections of the Document,
unaltered in their text and in their titles. Section numbers
or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled ``Endorsements''. Such a section
may not be included in the Modified Version.

@item
Do not retile any existing section to be Entitled ``Endorsements'' or
to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or
appendices that qualify as Secondary Sections and contain no material
copied from the Document, you may at your option designate some or all
of these sections as invariant. To do this, add their titles to the
list of Invariant Sections in the Modified Version's license notice.
These titles must be distinct from any other section titles.

You may add a section Entitled ``Endorsements'', provided it contains
nothing but endorsements of your Modified Version by various
parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item

COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item

COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this
License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item

AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an “aggregate” if the copyright resulting from the compilation is not used to limit the legal rights of the compilation’s users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document’s Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item

TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled “Acknowledgements”, “Dedications”, or “History”, the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual
TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See \[http://www.gnu.org/copyleft/\].

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this
License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item

RELICENSING

``Massive Multiauthor Collaboration Site'' (or ``MMC Site'') means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A ``Massive Multiauthor Collaboration'' (or ``MMC'') contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA'' means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate'' means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is ``eligible for relicensing'' if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page

@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3
@end group
@sml

or any later version published by the Free Software Foundation;
with no Invariant Sections, no Front-Cover Texts, and no Back-Cover
Texts. A copy of the license is included in the section entitled ``GNU
Free Documentation License''.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts,
replace the `with@dots{ }Texts.' line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with
the Front-Cover Texts being @var{list}, and with the Back-Cover Texts
being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other
combination of the three, merge those two alternatives to suit the
situation.

If your document contains nontrivial examples of program code, we
recommend releasing these examples in parallel under your choice of
free software license, such as the GNU General Public License,
to permit their use in free software.

@c Local Variables:
c ispell-local-pdict: "ispell-dict"
c End:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.
The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.
You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the
terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified
it, and giving a relevant date.

b) The work must carry prominent notices stating that it is
released under this License and any conditions added under section
7. This requirement modifies the requirement in section 4 to
"keep intact all notices".

c) You must license the entire work, as a whole, under this
License to anyone who comes into possession of a copy. This
License will therefore apply, along with any applicable section 7
additional terms, to the whole of the work, and all its parts,
regardless of how they are packaged. This License gives no
permission to license the work in any other way, but it does not
invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display
Appropriate Legal Notices; however, if the Program has interactive
interfaces that do not display Appropriate Legal Notices, your
work need not make them do so.

A compilation of a covered work with other separate and independent
works, which are not by their nature extensions of the covered work,
and which are not combined with it such as to form a larger program,
in or on a volume of a storage or distribution medium, is called an
"aggregate" if the compilation and its resulting copyright are not
used to limit the access or legal rights of the compilation's users
beyond what the individual works permit. Inclusion of a covered work
in an aggregate does not cause this License to apply to the other
parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms
of sections 4 and 5, provided that you also convey the
machine-readable Corresponding Source under the terms of this License,
in one of these ways:

a) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by the
Corresponding Source fixed on a durable physical medium
customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by a
written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent
that they are valid under applicable law. If additional permissions
apply only to part of the Program, that part may be used separately
under those permissions, but the entire Program remains governed by
this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.
Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible
for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.
If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may
not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of 
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the 
GNU General Public License for more details.

You should have received a copy of the GNU General Public License 
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short 
notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author> 
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'. 
This is free software, and you are welcome to redistribute it 
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate 
parts of the General Public License. Of course, your program's commands 
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, 
if any, to sign a "copyright disclaimer" for the program, if necessary. 
For more information on this, and how to apply and follow the GNU GPL, see 
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program 
into proprietary programs. If your program is a subroutine library, you 
may consider it more useful to permit linking proprietary applications with 
the library. If this is what you want to do, use the GNU Lesser General 
Public License instead of this License. But first, please read 

1.234 commons-digester 3.2
1.234.1 Available under license :

Apache Commons Digester
Copyright 2001-2011 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.235 fipscheck 1.5.0 4.el8
1.235.1 Available under license :

Copyright 2008-2012 Red Hat, Inc. All rights reserved.
Copyright (C) 2016 Andrew Cagney

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice,
this list of conditions and the following disclaimer in the documentation
and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY RED HAT, INC. "AS IS" AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO
EVENT SHALL THE FREEBSD PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING,
BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE
OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF
ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The views and conclusions contained in the software and documentation are those
of the authors and should not be interpreted as representing official policies,
either expressed or implied, of Red Hat, Inc.

1.236 util-linux 2.32.1 17.el8
1.236.1 Available under license :

/*
 * Copyright (c) 1989 The Regents of the University of California.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. All advertising materials mentioning features or use of this software
* must display the following acknowledgement:
* This product includes software developed by the University of
* California, Berkeley and its contributors.
* 4. Neither the name of the University nor the names of its contributors
* may be used to endorse or promote products derived from this software
* without specific prior written permission.

* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

*/

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later
version.

The complete text of the license is available in the
../Documentation/licenses/COPYING.LGPLv2.1 file.

Open Source Used In CSPC_Collector 2.9.1  2110
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,

distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This library is free software; you can redistribute it and/or modify it under the terms of the Modified BSD License. The complete text of the license is available in the ../Documentation/licenses/COPYING.BSD-3 file.

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES
1.237 tomcat-catalina 7.0.70

1.237.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work 
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object 
form, that is based on (or derived from) the Work and for which the 
editorial revisions, annotations, elaborations, or other modifications 
represent, as a whole, an original work of authorship. For the purposes 
of this License, Derivative Works shall not include works that remain 
separable from, or merely link (or bind by name) to the interfaces of, 
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including 
the original version of the Work and any modifications or additions 
to that Work or Derivative Works thereof, that is intentionally 
submitted to Licensor for inclusion in the Work by the copyright owner 
or by an individual or Legal Entity authorized to submit on behalf of 
the copyright owner. For the purposes of this definition, "submitted" 
means any form of electronic, verbal, or written communication sent 
to the Licensor or its representatives, including but not limited to 
communication on electronic mailing lists, source code control systems, 
and issue tracking systems that are managed by, or on behalf of, the 
Licensor for the purpose of discussing and improving the Work, but 
excluding communication that is conspicuously marked or otherwise 
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity 
on behalf of whom a Contribution has been received by Licensor and 
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of 
this License, each Contributor hereby grants to You a perpetual, 
worldwide, non-exclusive, no-charge, royalty-free, irrevocable 
copyright license to reproduce, prepare Derivative Works of, 
pubilcly display, publicly perform, sublicense, and distribute the 
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of 
this License, each Contributor hereby grants to You a perpetual, 
worldwide, non-exclusive, no-charge, royalty-free, irrevocable 
(except as stated in this section) patent license to make, have made, 
use, offer to sell, sell, import, and otherwise transfer the Work, 
where such license applies only to those patent claims licensable 
by such Contributor that are necessarily infringed by their 
Contribution(s) alone or by combination of their Contribution(s) 
with the Work to which such Contribution(s) was submitted. If You 
institute patent litigation against any entity (including a 
cross-claim or counterclaim in a lawsuit) alleging that the Work 
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Apache Tomcat
Copyright 1999-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

1.238 ant-contrib 1.0.0

1.238.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all...
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

1.239 perl-threads-shared 1.58-2.el8
1.239.1 Available under license:
No license file was found, but licenses were detected in source scan.

/* shared.xs
 * 
 * Copyright (c) 2001-2002, 2006 Larry Wall
 * 
 * You may distribute under the terms of either the GNU General Public
 * License or the Artistic License, as specified in the README file.
 * 
 * "Hand any two wizards a piece of rope and they would instinctively pull in
 * opposite directions."
 * 
 * Contributed by Artur Bergman <sky AT crucially DOT net>
 * Pulled in the (an)other direction by Nick Ing-Simmons
 * <nick AT ing-simmons DOT net>
 * CPAN version produced by Jerry D. Hedden <jdhedden AT cpan DOT org>
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/
ppport.h -- Perl/Pollution/Portability Version 3.19

Automatically created by Devel::PPPort running under perl 5.010000.

Do NOT edit this file directly! -- Edit PPPort_pm.PL and the includes in parts/inc/ instead.

Use 'perldoc ppport.h' to view the documentation below.

---------------------------------------------------------------------
SKIP

=pod

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.19

=head1 SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help show short help
--version show version
--patch=file write one patch file with changes
--copy=suffix write changed copies with suffix
--diff=program use diff program and options
--compat-version=version provide compatibility with Perl version
--cplusplus accept C++ comments
--quiet don't output anything except fatal errors
--nodiag don't show diagnostics
--nohints don't show hints
--nochanges don't suggest changes
--nofilter don't filter input files
--strip strip all script and doc functionality from ppport.h
--list-provided list provided API
--list-unsupported list unsupported API
--api-info=name show Perl API portability information
COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.10.0.

OPTIONS

--help

Display a brief usage summary.

--version

Display the version of F<ppport.h>.

--patch=I<file>

If this option is given, a single patch file will be created if any changes are suggested. This requires a working diff program to be installed on your system.

--copy=I<suffix>

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs. Note that this does not automagically add a dot between the original filename and the suffix. If you want the dot, you have to include it in the option argument.

If neither C|--patch> or C|--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

--diff=I<program>

Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.

--compat-version=I<version>

Tell F<ppport.h> to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003. You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.
=head2 --cplusplus

Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.

=head2 --quiet

Be quiet. Don't print anything except fatal errors.

=head2 --nodiag

Don't output any diagnostic messages. Only portability alerts will be printed.

=head2 --nohints

Don't output any hints. Hints often contain useful portability notes. Warnings will still be displayed.

=head2 --nochanges

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>. This reduces the size of F<ppport.h> dramatically and may be useful if you want to include F<ppport.h> in smaller modules without increasing their distribution size too much.

The stripped F<ppport.h> will have a C<--unstrip> option that allows you to undo the stripping, but only if an appropriate C<Devel::PPPort> module is installed.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.
=head2 --list-unsupported

Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching I<name>. If I<name> is surrounded by slashes, it is interpreted as a regular expression.

=head1 DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

=over 4

=item *

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

    perl ppport.h --list-provided

to see which API elements are provided by ppport.h.

=item *

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h> will provide wrappers for older Perl versions.

=item *

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define>s in your source code before the inclusion of F<ppport.h>.

These functions or variables will be marked C<explicit> in the list shown by C<--list-provided>.
Depending on whether your module has a single or multiple files that use such functions or variables, you want either C<static> or global variants.

For a C<static> function or variable (used only in a single source file), use:

```c
#define NEED_function
#define NEED_variable
```

For a global function or variable (used in multiple source files), use:

```c
#define NEED_function_GLOBAL
#define NEED_variable_GLOBAL
```

Note that you mustn't have more than one global request for the same function or variable in your project.

<table>
<thead>
<tr>
<th>Function / Variable</th>
<th>Static Request</th>
<th>Global Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL_parser</td>
<td>NEED_PL_parser</td>
<td>NEED_PL_parser_GLOBAL</td>
</tr>
<tr>
<td>PL_signals</td>
<td>NEED_PL_signals</td>
<td>NEED_PL_signals_GLOBAL</td>
</tr>
<tr>
<td>eval_pv()</td>
<td>NEED_eval_pv</td>
<td>NEED_eval_pv_GLOBAL</td>
</tr>
<tr>
<td>grok_bin()</td>
<td>NEED_grok_bin</td>
<td>NEED_grok_bin_GLOBAL</td>
</tr>
<tr>
<td>grok_hex()</td>
<td>NEED_grok_hex</td>
<td>NEED_grok_hex_GLOBAL</td>
</tr>
<tr>
<td>grok_number()</td>
<td>NEED_grok_number</td>
<td>NEED_grok_number_GLOBAL</td>
</tr>
<tr>
<td>grok_numeric_radix()</td>
<td>NEED_grok_numeric_radix</td>
<td>NEED_grok_numeric_radix_GLOBAL</td>
</tr>
<tr>
<td>grok_oct()</td>
<td>NEED_grok_oct</td>
<td>NEED_grok_oct_GLOBAL</td>
</tr>
<tr>
<td>load_module()</td>
<td>NEED_load_module</td>
<td>NEED_load_module_GLOBAL</td>
</tr>
<tr>
<td>my_snprintf()</td>
<td>NEED_my_snprintf</td>
<td>NEED_my_snprintf_GLOBAL</td>
</tr>
<tr>
<td>my_sprintf()</td>
<td>NEED_my_sprintf</td>
<td>NEED_my_sprintf_GLOBAL</td>
</tr>
<tr>
<td>my_strlcat()</td>
<td>NEED_my_strlcat</td>
<td>NEED_my_strlcat_GLOBAL</td>
</tr>
<tr>
<td>my_strlcpy()</td>
<td>NEED_my_strlcpy</td>
<td>NEED_my_strlcpy_GLOBAL</td>
</tr>
<tr>
<td>newCONSTSUB()</td>
<td>NEED_newCONSTSUB</td>
<td>NEED_newCONSTSUB_Global</td>
</tr>
<tr>
<td>newRV_noinc()</td>
<td>NEED_newRV_noinc</td>
<td>NEED_newRV_noinc_GLOBAL</td>
</tr>
<tr>
<td>newSV_type()</td>
<td>NEED_newSV_type</td>
<td>NEED_newSV_type_GLOBAL</td>
</tr>
<tr>
<td>newSVpvn_flags()</td>
<td>NEED_newSVpvn_flags</td>
<td>NEED_newSVpvn_flags_GLOBAL</td>
</tr>
<tr>
<td>newSVpvn_share()</td>
<td>NEED_newSVpvn_share</td>
<td>NEED_newSVpvn_share_GLOBAL</td>
</tr>
<tr>
<td>pv_display()</td>
<td>NEED_pv_display</td>
<td>NEED_pv_display_GLOBAL</td>
</tr>
<tr>
<td>pv_escape()</td>
<td>NEED_pv_escape</td>
<td>NEED_pv_escape_GLOBAL</td>
</tr>
<tr>
<td>pv.pretty()</td>
<td>NEED_pv.pretty</td>
<td>NEED_pv.pretty_GLOBAL</td>
</tr>
<tr>
<td>sv_2pv_flags()</td>
<td>NEED_sv_2pv_flags</td>
<td>NEED_sv_2pv_flags_GLOBAL</td>
</tr>
<tr>
<td>sv_2pvbyte()</td>
<td>NEED_sv_2pvbyte</td>
<td>NEED_sv_2pvbyte_GLOBAL</td>
</tr>
<tr>
<td>sv_catpvf_mg()</td>
<td>NEED_sv_catpvf_mg</td>
<td>NEED_sv_catpvf_mg_GLOBAL</td>
</tr>
<tr>
<td>sv_catpvf_mg_nocntext()</td>
<td>NEED_sv_catpvf_mg_nocntext</td>
<td>NEED_sv_catpvf_mg_nocntext_GLOBAL</td>
</tr>
<tr>
<td>sv_pvn_force_flags()</td>
<td>NEED_sv_pvn_force_flags</td>
<td>NEED_sv_pvn_force_flags_GLOBAL</td>
</tr>
<tr>
<td>sv_setpvf_mg()</td>
<td>NEED_sv_setpvf_mg</td>
<td>NEED_sv_setpvf_mg_GLOBAL</td>
</tr>
</tbody>
</table>
To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the `DPPP_NAMESPACE` macro. Just `#define` the macro before including `ppport.h`:

```c
#define DPPP_NAMESPACE My Own Namespace_
#include "ppport.h"
```

The default namespace is `DPPP_`.

=head1 EXAMPLES

To verify whether `ppport.h` is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, `ppport.h` can be run as a Perl script to check your source code. Simply say:

```perl
perl ppport.h
```

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

```perl
perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff
```

If you only want your code to be scanned without any suggestions for changes, use:

```perl
perl ppport.h --nochanges
```

You can specify a different `diff` program or options, using the `--diff` option:
perl ppport.h --diff='diff -C 10'

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:

perl ppport.h --copy=.new

To display portability information for the C<newSVpvn> function, use:

perl ppport.h --api-info=newSVpvn

Since the argument to C<--api-info> can be a regular expression, you can use

perl ppport.h --api-info=/_nomg$/

to display portability information for all C<_nomg> functions or

perl ppport.h --api-info=/./

to display information for all known API elements.

=head1 BUGS

If this version of F<ppport.h> is causing failure during the compilation of this module, please check if newer versions of either this module or C<Devel::PPPort> are available on CPAN before sending a bug report.

If F<ppport.h> was generated using the latest version of C<Devel::PPPort> and is causing failure of this module, please file a bug report using the CPAN Request Tracker at L<http://rt.cpan.org/>.

Please include the following information:

=over 4

=item 1.

The complete output from running "perl -V"

=item 2.

This file.

=item 3.
The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.

=item 5.

Any other information that you think could be relevant.

=back

For the latest version of this code, please get the C<Devel::PPPort> module from CPAN.

=head1 COPYRIGHT

Version 3.x, Copyright (c) 2004-2009, Marcus Holland-Moritz.

Version 2.x, Copyright (C) 2001, Paul Marquess.

Version 1.x, Copyright (C) 1999, Kenneth Albanowski.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

See L<Devel::PPPort>.

=cut

use strict;

# Disable broken TRIE-optimization
BEGIN { eval '{^RE_TRIE_MAXBUF} = -1' if $] >= 5.009004 && $] <= 5.009005 }

my $VERSION = 3.19;

my %opt = (
    quiet  => 0,
    diag   => 1,
    hints  => 1,
    changes => 1,
    cplusplus => 0,
    filter => 1,
    strip  => 0,
version => 0,
);

my($ppport) = $0 =~ /\[[\w.]+\]/;
my $LF = '(?:\r\n|[^\r\n]\[\r\n\])';   # line feed
my $HS = "[ \t"]";             # horizontal whitespace

# Never use C comments in this file!
my $ccs = '/.*';
my $cce = '.*/';
my $rccs = quotemeta $ccs;
my $rcce = quotemeta $cce;

eval {
  require Getopt::Long;
  Getopt::Long::GetOptions($opt, qw(
    help quiet diag! filter! hints! changes! cplusplus strip version
    patch=s copy=s diff=s compat-version=s
    list-provided list-unsupported api-info=s
  )) or usage();
};

if ($@ and grep /^-/, @ARGV) {
  usage() if "ARGV" =~ /^--?h(?:elp)?$/;
  die "Getopt::Long not found. Please don't use any options.
";
}

if ($opt{version}) {
  print "This is $0 $VERSION.
";
  exit 0;
}

usage() if $opt{help};
strip() if $opt{strip};

if (exists $opt{'compat-version'}) {
  my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };
  if ($@) {
    die "Invalid version number format: $opt{'compat-version'}\n"
  }
  die "Only Perl 5 is supported\n" if $r != 5;
  die "Invalid version number: $opt{'compat-version'}\n" if $v >= 1000 || $s >= 1000;
  $opt{'compat-version'} = sprintf "%d.%03d%03d", $r, $v, $s;
}
else {
  $opt{'compat-version'} = 5;
}
my %API = map { /^\w+(\^\w+)?\[(^\^\w+)?\]\[(^\^\w+)?\]\[(^\w+)?\]/ }
PERL_MAGIC_isaelem|5.007002||p
PERL_MAGIC_ia|5.007002||p
PERL_MAGIC_mutex|5.011000||p
PERL_MAGIC_nkeys|5.007002||p
PERL_MAGIC_overload_elem|5.007002||p
PERL_MAGIC_overload_table|5.007002||p
PERL_MAGIC_overload|5.007002||p
PERL_MAGIC_pos|5.007002||p
PERL_MAGIC_qr|5.007002||p
PERL_MAGIC_regdata|5.007002||p
PERL_MAGIC_regdatum|5.007002||p
PERL_MAGIC_regex_global|5.007002||p
PERL_MAGIC_shared_scalar|5.007003||p
PERL_MAGIC_shared|5.007003||p
PERL_MAGIC_sigelem|5.007002||p
PERL_MAGIC_sig|5.007002||p
PERL_MAGIC_substr|5.007002||p
PERL_MAGIC_sv|5.007002||p
PERL_MAGIC_taint|5.007002||p
PERL_MAGIC_tiedelem|5.007002||p
PERL_MAGIC_tiedscalar|5.007002||p
PERL_MAGIC_tied|5.007002||p
PERL_MAGIC_utf8|5.008001||p
PERL_MAGIC_uvar_elem|5.007003||p
PERL_MAGIC_uvar|5.007002||p
PERL_MAGIC_vec|5.007002||p
PERL_MAGIC_vstring|5.008001||p
PERL_PV_ESCAPE_ALL|5.009004||p
PERL_PV_ESCAPE_FIRSTCHAR|5.009004||p
PERL_PV_ESCAPE_NOBACKSLASH|5.009004||p
PERL_PV_ESCAPE_NOCLEAR|5.009004||p
PERL_PV_ESCAPE_QUOTE|5.009004||p
PERL_PV_ESCAPE_RE|5.009005||p
PERL_PV_ESCAPE_UNI_DETECT|5.009004||p
PERL_PV_ESCAPE_UNI|5.009004||p
PERL_PV_PRETTY_DUMP|5.009004||p
PERL_PV_PRETTY_ELLIPSES|5.010000||p
PERL_PV_PRETTY_LTGT|5.009004||p
PERL_PV_PRETTY_NOCLEAR|5.010000||p
PERL_PV_PRETTY_QUOTE|5.009004||p
PERL_PV_PRETTY_REGPROP|5.009004||p
PERL_QUAD_MAX|5.004000||p
PERL_QUAD_MIN|5.004000||p
PERL_REVISION|5.006000||p
PERL_SCAN_ALLOW_UNDERSCORES|5.007003||p
PERL_SCAN_DISALLOW_PREFIX|5.007003||p
PERL_SCAN_GREATER_THAN_UV_MAX|5.007003||p
PERL_SCAN_SILENT_ILLDIGIT|5.008001||p
PUTBACK||
PerlIO_clearerr[5.007003]
PerlIO_close[5.007003]
PerlIO_context_layers[5.009004]
PerlIO_eof[5.007003]
PerlIO_error[5.007003]
PerlIO_fileno[5.007003]
PerlIO_fill[5.007003]
PerlIO_flush[5.007003]
PerlIO_get_base[5.007003]
PerlIO_get_bufsiz[5.007003]
PerlIO_get_cnt[5.007003]
PerlIO_get_ptr[5.007003]
PerlIO_read[5.007003]
PerlIO_seek[5.007003]
PerlIO_set_cnt[5.007003]
PerlIO_set_ptrcnt[5.007003]
PerlIO_setlinebuf[5.007003]
PerlIO_stderr[5.007003]
PerlIO_stdin[5.007003]
PerlIO_stdout[5.007003]
PerlIO_tell[5.007003]
PerlIO_unread[5.007003]
PerlIO_write[5.007003]
Perl_signbit[5.009005
PoisonFree[5.009004]|p
PoisonNew[5.009004]|p
PoisonWith[5.009004]|p
Poison[5.008000]|p
RETVAl||n
Renewc||
Renew||
SAVECLEARSV||
SAVECOMPPAD||
SAVEPADSV||
SAVETMPS||
SAVE_DEFSTV[5.004050]|p
SPAGAIN||
SP||
START_EXTERN_C[5.005000]|p
START_MY_CXT[5.007003]|p
STMT_END||p
STMT_START||p
STR_WITH_LEN[5.009003]|p
ST||
SV_CONST_RETURN[5.009003]|p
SV_COW_DROP_PV[5.008001]|p
SV_COW_SHARED_HASH_KEYS[5.009005]|p
<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SV_GMAGIC</td>
<td>magic number for string verification</td>
</tr>
</tbody>
</table>
| SV_HAS_TRAILING_NULL | flag indicating trailing null 

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SV_77_IMMEDIATE_UNREF</td>
<td>immediate unreference flag</td>
</tr>
<tr>
<td>SV_MUTABLE_RETURN</td>
<td>mutable return flag</td>
</tr>
<tr>
<td>SV_NOSTEAL</td>
<td>no steal flag</td>
</tr>
<tr>
<td>SV_SMAGIC</td>
<td>magic number for string verification</td>
</tr>
<tr>
<td>SV_UTF8_NO_ENCODING</td>
<td>utf8 no encoding flag</td>
</tr>
<tr>
<td>SVfARG</td>
<td>argument flag</td>
</tr>
<tr>
<td>SVf_UTF8</td>
<td>utf8 flag</td>
</tr>
<tr>
<td>SVf</td>
<td>flag for string verification</td>
</tr>
<tr>
<td>SVt_IV</td>
<td>IV flag</td>
</tr>
<tr>
<td>SVt_NV</td>
<td>NV flag</td>
</tr>
<tr>
<td>SVt_PVAV</td>
<td>PVAV flag</td>
</tr>
<tr>
<td>SVt_PVCV</td>
<td>PVCV flag</td>
</tr>
<tr>
<td>SVt_PVHV</td>
<td>PVHV flag</td>
</tr>
<tr>
<td>SVt_PVMG</td>
<td>PVMG flag</td>
</tr>
<tr>
<td>SVt_PV</td>
<td>PV flag</td>
</tr>
<tr>
<td>SafeFree</td>
<td>free flag</td>
</tr>
<tr>
<td>Slab_Alloc</td>
<td>alloc flag</td>
</tr>
<tr>
<td>Slab_Free</td>
<td>free flag</td>
</tr>
<tr>
<td>Slab_to_rw</td>
<td>to rw flag</td>
</tr>
<tr>
<td>StructCopy</td>
<td>copy flag</td>
</tr>
<tr>
<td>SvCUR_set</td>
<td>set flag</td>
</tr>
<tr>
<td>SvCUR</td>
<td>current flag</td>
</tr>
<tr>
<td>SvEND</td>
<td>end flag</td>
</tr>
<tr>
<td>SvGAMAGIC</td>
<td>magic number for string verification</td>
</tr>
<tr>
<td>SvGETMAGIC</td>
<td>get magic flag</td>
</tr>
<tr>
<td>SvGROW</td>
<td>grow flag</td>
</tr>
<tr>
<td>SvIOK_UV</td>
<td>UV flag</td>
</tr>
<tr>
<td>SvIOK_notUV</td>
<td>not UV flag</td>
</tr>
<tr>
<td>SvIOK_off</td>
<td>off flag</td>
</tr>
<tr>
<td>SvIOK_only_UV</td>
<td>only UV flag</td>
</tr>
<tr>
<td>SvIOK_only</td>
<td>only flag</td>
</tr>
<tr>
<td>SvIOK_on</td>
<td>on flag</td>
</tr>
<tr>
<td>SvIOKp</td>
<td>flag for string verification</td>
</tr>
<tr>
<td>SvIOK</td>
<td>flag for string verification</td>
</tr>
<tr>
<td>SvIVX</td>
<td>flag for string verification</td>
</tr>
<tr>
<td>SvIV_nomg</td>
<td>nomg flag</td>
</tr>
<tr>
<td>SvLV</td>
<td>flag for string verification</td>
</tr>
<tr>
<td>SvlsCOW_shared_hash</td>
<td>shared hash flag</td>
</tr>
<tr>
<td>SvlsCOW</td>
<td>COW flag</td>
</tr>
<tr>
<td>SvlLEN_set</td>
<td>set flag</td>
</tr>
<tr>
<td>SvlLEN</td>
<td>length flag</td>
</tr>
<tr>
<td>SvlLOCK</td>
<td>lock flag</td>
</tr>
<tr>
<td>SvlMAGIC_set</td>
<td>set flag</td>
</tr>
<tr>
<td>SvlNIOK_off</td>
<td>off flag</td>
</tr>
<tr>
<td>Variable</td>
<td>Value</td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Open Source Used In CSPC_Collector 2.9.1</td>
<td>2147</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Variable</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SvUV_nomg</td>
<td>5.009001</td>
</tr>
<tr>
<td>SvUV_set</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvUVx</td>
<td>5.004000</td>
</tr>
<tr>
<td>SvUV</td>
<td>5.004000</td>
</tr>
<tr>
<td>SvVOK</td>
<td>5.008001</td>
</tr>
<tr>
<td>SvVSTRING_mg</td>
<td>5.009004</td>
</tr>
</tbody>
</table>

| THIS                      | n       |
| UNDERBAR                 | 5.009002 |
| UTF8_MAXBYTES            | 5.009002 |
| UVSIZE                   | 5.006000 |
| UVTYPE                   | 5.006000 |
| UVXf                     | 5.007001 |
| UVof                     | 5.006000 |
| UVuf                     | 5.006000 |
| UVxf                     | 5.006000 |
| WARN_ALL                 | 5.006000 |
| WARN_AMBIGUOUS           | 5.006000 |
| WARN_ASSERTIONS          | 5.011000 |
| WARN_BAREWORD            | 5.006000 |
| WARN_CLOSED              | 5.006000 |
| WARN_CLOSURE             | 5.006000 |
| WARN_DEBUGGING           | 5.006000 |
| WARN_DEPRECATED          | 5.006000 |
| WARN_DIGIT               | 5.006000 |
| WARN_EXEC                | 5.006000 |
| WARN_EXITING             | 5.006000 |
| WARN_GLOB                | 5.006000 |
| WARN_INPLACE             | 5.006000 |
| WARN_INTERNAL            | 5.006000 |
| WARN_IO                  | 5.006000 |
| WARN_LAYER               | 5.008000 |
| WARN_MALLOC              | 5.006000 |
| WARN_MISC                | 5.006000 |
| WARN_NEWLINE             | 5.006000 |
| WARN_NUMERIC             | 5.006000 |
| WARN_ONCE                | 5.006000 |
| WARN_OVERFLOW            | 5.006000 |
| WARN_PACK                | 5.006000 |
| WARN_PARENTHESIS         | 5.006000 |
| WARNPIPE                 | 5.006000 |
| WARN_PORTABLE            | 5.006000 |
| WARN_PRECEDENCE          | 5.006000 |
| WARN_PRINTF              | 5.006000 |
| WARN_PROTOTYPE           | 5.006000 |
| WARN_QW                  | 5.006000 |
| WARN_RECURSION           | 5.006000 |
| WARN_REDEFINE            | 5.006000 |
| WARN_REGEXP              | 5.006000 |
block_end]
block_gimme[5.004000]
block_start]
boolSV[5.004000]|p
boot_core_PerlIO]]
boot_core_UNIVERSAL]]
boot_core_mro]]
bytes_from_utf8[5.007001]
bytes_to_uni]]|n
bytes_to_utf8[5.006001]
call_argv[5.006000]|p
call_atexit[5.006000]
call_list[5.004000]
call_method[5.006000]|p
call_pv[5.006000]|p
call_sv[5.006000]|p
calloc[5.007002]|n
cando]
cast_i32[5.006000]
cast_iv[5.006000]
cast_ulong[5.006000]
cast_uv[5.006000]
check_type_and_open]]
check_uni]]
checkcomma]]
checkposixcc]]
ckWARN[5.006000]|p
ck_anoncode]]
ck_bitop]]
ck_concat]]
ck_defined]]
ck_delete]]
ck_die]]
ck_each]]
ck_eof]]
ck_eval]]
ck_exec]]
ck_exists]]
ck_exit]]
ck_ftst]]
ck_fun]]
ck_glob]]
ck_grep]]
ck_index]]
ck_join]]
ck_listiob]]
ck_match]]

Open Source Used In CSPC_Collector 2.9.1 2150
do_aspawn

do_binmode

do_chomp

do_chop

do_close

do_dump_pad

do_eof

do_exec3

do_execfree

do_exec

do_gv_dump

do_gvgv_dump

do_hv_dump

do_ipcctl

do_ipcget

do_join

do_kv

do_magic_dump

do_msgrcv

do_msgsnd

do_oddball

do_op_dump

do_op_xmldump

do_open9

do_open

do_openn

do_pmop_dump

do_pmop_xmldump

do_print

do_readline

do_seek

do_semop

do_shmio

do_smartmatch

do_spawn_nowait

do_spawn

do_sprintf

do_sv_dump

do_sysseek

do_tell

do_trans_complex_utf8

do_trans_complex

do_trans_count_utf8

do_trans_count

do_trans_simple_utf8

do_trans_simple

do_trans

do_vecget
do_vecset

do_vop

docatch

doeval

dofile

dofindlabel

doform

doing_taint

doneliner

doopen_pm

doparseform

dopoptoeval

dopoptogiven

dopoptolabel

dopoptoloop

dopoptosub_at

dopoptowhen

doref

dounwind

dowantarray

dump_all

dump_eval

dump_exec_pos

dump_fds

dump_form

dump_indent

dump_mstats

dump_packsubs

dump_sub

dump_sv_child

dump_trie_interim_list

dump_trie_interim_table

dump_trie

dump_vindent

dumpuntil

dup_attrlist

emulate_cop_io

eval_pv

eval_sv

eexec_failed

expect_number

fbm_compile

fbm_instr

feature_is_enabled

fetch_cop_label

filter_add

filter_del

filter_gets
filter_read||
find_and_forget_pmops||
find_array_subscript||
find_beginning||
find_byclass||
find_hash_subscript||
find_in_my_stash||
find_runcv||5.008001
find_rundefsvoffset||5.009002
find_script||
find_uninit_var||
first_symbol||n
fold_constants||
forbid_setid||
force_ident||
force_list||
force_next||
force_version||
force_word||
forget_pmop||
form_nocontext||vn
form||5.004000|v
fp_dup||
fprintf_nocontext||vn
free_global_struct||
free_tied_hv_pool||
free_tmps||
gen_constant_list||
get_arena||
get_aux_mg||
get_av||5.006000|p
get_context||5.006000|n
get_cvn_flags||5.009005
get_cv||5.006000|p
get_db_sub||
get_debug_opts||
get_hash_seed||
get_hv||5.006000|p
get_isa_hash||
get_mstats||
get_no_modify||
get_num||
get_op_descs||5.005000
get_op_names||5.005000
get_opargs||
get_ppaddr||5.006000
get_re_arg||
get_sv||5.006000|p
get_vtbl|5.005030|
getcwd_sv|5.007002|
getenv_len||
glob_2number||
glob_assign_glob||
glob_assign_ref||
gp_dup||
gp_free||
gp_ref||
grok_bin|5.007003||p
grok_hex|5.007003||p
grok_number|5.007002||p
grok_numeric_radix|5.007002||p
grok_oct|5.007003||p
group_end||
gv_AVadd||
gv_HVadd||
gv_IOadd||
gv_SVadd||
gv_autoload4|5.004000|
gv_check||
gv_const_sv|5.009003|
gv_dump|5.006000|
gv_efullname3|5.004000|
gv_efullname4|5.006001|
gv_efullname||
gv_enname||
gv_fetchfile_flags|5.009005|
gv_fetchfile||
gv_fetchmeth_autoload|5.007003|
gv_fetchmethod_autoload|5.004000|
gv_fetchmethod_flags|5.011000|
gv_fetchmethod||
gv_fetchmeth||
gv_fetchpvn_flags|5.009002||p
gv_fetchpvs|5.009004||p
gv_fetchpv||
gv_fetchsv|5.009002|
gv_fullname3|5.004000|
gv_fullname4|5.006001|
gv_fullname||
gv_get_super_pkg||
gv_handler|5.007001|
gv_init_sv||
gv_init||
gv_name_set|5.009004|
gv_stashpvn|5.004000||p
gv_stashpvs|5.009003||p
gv_stashpv
gv_stashsv
be_dup
hek_dup
hfreeentries
hsplit
hv_assert[5.011000]
hv_auxinit
hv_backreferences_p
hv_clear_placeholders[5.009001]
hv_clear
hv_common_key_len[5.010000]
hv_common[5.010000]
hv_copy_hints_hv
hv_delayfree_ent[5.004000]
hv_delete_common
hv_delete_ent[5.004000]
hv_delete
hv_eiter_p[5.009003]
hv_eiter_set[5.009003]
hv_exists_ent[5.004000]
hv_exists
hv_fetch_ent[5.004000]
hv_fetchs[5.009003]
hv_fetch
hv_free_ent[5.004000]
hv_iterinit
hv_iterkeysv[5.004000]
hv_iterkey
hv_iternext_flags[5.008000]
hv_iternextsv
hv_iternext
hv_iterval
hv_kill_backrefs
hv_ksplit[5.004000]
hv_magic_check
hv_magic
hv_name_set[5.009003]
hv_notallowed
hv_placeholders_get[5.009003]
hv_placeholders_p[5.009003]
hv_placeholders_set[5.009003]
hv_riter_p[5.009003]
hv_riter_set[5.009003]
hv_scalar[5.009001]
hv_store_ent[5.004000]
hv_store_flags[5.008000]
hv_stores[5.009004]
is_list_assignment
is_lvalue_sub
is_uni_alnum
is_uni_alnumc
is_uni_alnum|||5.006000
is_uni_alpha
is_uni_ascii
is_uni_ascii|||5.006000
is_uni_cntrl
is_uni_cntrl|||5.006000
is_uni_digit
is_uni_digit|||5.006000
is_uni_graph
is_uni_graph|||5.006000
is_uni_idfirst
is_uni_idfirst|||5.006000
is_uni_lower
is_uni_lower|||5.006000
is_uni_print
is_uni_print|||5.006000
is_uni_punct
is_uni_punct|||5.006000
is_uni_space
is_uni_space|||5.006000
is_uni_upper
is_uni_upper|||5.006000
is_uni_xdigit
is_uni_xdigit|||5.006000
is_utf8_alnum
is_utf8_alnum|||5.006000
is_utf8_alpha
is_utf8_alpha|||5.006000
is_utf8_ascii
is_utf8_ascii|||5.006000
is_utf8_char
is_utf8_char|||5.006000
is_utf8_common
is_utf8_common|||5.006000
is_utf8_digit
is_utf8_digit|||5.006000
is_utf8_graph
is_utf8_graph|||5.006000
is_utf8_idcont
is_utf8_idcont|||5.008000
is_utf8_idfirst
is_utf8_idfirst|||5.006000
is_utf8_lower
is_utf8_lower|||5.006000
is_utf8_mark
is_utf8_mark|||5.006000
is_utf8_print
is_utf8_print|||5.006000
is_utf8_punct
is_utf8_punct|||5.006000
is_utf8_space
is_utf8_space|||5.006000
is_utf8_string
is_utf8_string|||5.009003
is_utf8_string_loc||5.008001|
is_utf8_string||5.006001|
is_utf8_upper||5.006000|
is_utf8_xdigit||5.006000|
isa_lookup|||
items||n
ix||n
jmaybe|||
join_exact|||
keyword|||
leave_scope|||
lex_end|||
lex_start|||
linklist|||
listkids|||
list|||
load_module_nocontext||vn
load_module|5.006000|pv
localize|||
looks_like_bool|||
looks_like_number|||
lop|||
mPUSH|5.009002|p
mPUSHn|5.009002|p
mPUSHp|5.009002|p
mPUSHs|5.011000|p
mPUSHu|5.009002|p
mXPUSH|5.009002|p
mXPUSHn|5.009002|p
mXPUSHp|5.009002|p
mXPUSHs|5.011000|p
mXPUSHu|5.009002|p
mad_free|||
madlex|||
madparse|||
magic_clear_all_env|||
magic_clearenv|||
magic_clearhint|||
magic_clearisa|||
magic_clearpack|||
magic_clearsig|||
magic_dump|5.006000|
magic_existspack|||
magic_freearylen_p|||
magic_freeovrld|||
magic_getarylen|||
magic_getdefelem|||
magic_getnkeys|||
measure_struct
memEQ|5.004000|p
memNE|5.004000|p
mem_collxfrm|||
mem_log_common|||
mess_alloc|||
mess_nocontext|||
mess|5.006000|v
method_common|||
mfree|5.007002|n
mg_clear|||
mg_copy|||
mg_dup|||
mg_find|||
mg_free|||
mg_get|||
mg_length|5.005000|
mg_localize|||
mg_magical|||
mg_set|||
mg_size|5.005000|
mini_mktime|5.007002|
missingterm|||
mode_from_discipline|||
modkids|||
mod|||
more_bodies|||
moreswitches|||
mro_get_from_name|5.011000|
mro_get_linear_isa_dfs|||
mro_get_linear_isa|5.009005|
mro_get_private_data|5.011000|
mro_isa_changed_in|||
mro_meta_dup|||
mro_meta_init|||
mro_method_changed_in|5.009005|
mro_register|5.011000|
mro_set_mro|5.011000|
mro_set_private_data|5.011000|
mul128|||
mulexp10|||
my_atof|5.007002|
my_atof|5.006000|
my_attrs|||
my_bcopy|||
my_betoh16|||
my_betoh32|||
my_betoh64
my_betohi
my_betohl
my_betohs
my_bzero
my_chsize
my_clearenv
my_cxt_index
my_cxt_init
my_dirfd
my_exit_jump
my_exit
my_failure_exit
my_fflush_all
my_fork
my_htobe16
my_htobe32
my_htobe64
my_htobei
my_htobel
my_htobes
my_htole16
my_htole32
my_htole64
my_htolei
my_htolel
my_htoles
my_htonl
my_kid
my_letoh16
my_letoh32
my_letoh64
my_letohi
my_letohl
my_letohs
my_lstat
my_memcmp
my_memset
my_ntohl
my_pclose
my_popen_list
my_popen
my_setenv
my_snprintf
my_socketpair
my_sprintf
my_stat
my_strftime
nothreadhook[5.008000]
nuke_stacks[5.008000]
num_overflow[ln]
offer_nice_chunk[5.008000]
oopsAV[5.008000]
oopsHV[5.008000]
op_clear[5.008000]
op_const_sv[5.008000]
op_dump[5.006000]
op_free[5.006000]
op_getmad_weak[5.006000]
op_getmad[5.006000]
op_muli[5.007002]
op_refcnt_dec[5.007002]
op_refcnt_inc[5.007002]
op_refcnt_lock[5.009002]
op_refcnt_unlock[5.009002]
open_script[5.009002]
op_xmlidump[5.009002]
op_xmldump[5.009002]
pMY_CXT[5.007003]
pMY_CXT[5.007003]
pTHX[5.006000]
pTHX[5.006000]
packWARN[5.007003]
pack_cat[5.007003]
pack_rec[5.007003]
package[5.007003]
packlist[5.008001]
pad_add_anon[5.008001]
pad_add_name[5.008001]
pad_alloc[5.008001]
pad_block_start[5.008001]
pad_check_dup[5.008001]
pad_comname_type[5.008001]
pad_findlex[5.008001]
pad_findmy[5.008001]
pad_fixup_inner_anons[5.008001]
pad_free[5.008001]
pad_leavemy[5.008001]
pad_new[5.008001]
pad_peg[5.008001]
pad_push[5.008001]
pad_reset[5.008001]
pad_setsv[5.008001]
pad_sv[5.011000]
pad_swipe[5.011000]
pad_tidy[5.011000]
pad_undef[5.011000]
re_compile[5.009005]
re_croak2|||
re_dup_guts|||
re_intuit_start[5.009005]
re_intuit_string[5.006000]
readpipe_override|||
realloc[5.007002]|n
reentrant_free|||
reentrant_init|||
reentrant_retry|||vn
reentrant_size|||
ref_array_or_hash|||
refcounted_he_chain_2hv|||
refcounted_he_fetch|||
refcounted_he_free|||
refcounted_he_new_common|||
refcounted_he_new|||
refcounted_he_value|||
refkids|||
refto|||
ref[5.011000]
reg_check_named_buff_matched|||
reg_named_buff_all[5.009005]
reg_named_buff_exists[5.009005]
reg_named_buff_fetch[5.009005]
reg_named_buff_firstkey[5.009005]
reg_named_buff_iter|||
reg_named_buff_nextkey[5.009005]
reg_named_buff_scalar[5.009005]
reg_named_buff[|]
reg_namedseq|||
reg_node|||
reg_numbered_buff_fetch|||
reg_numbered_buff_length|||
reg_numbered_buff_store|||
reg_qr_package|||
reg_recode|||
reg_scan_name|||
reg_skipcomment|||
reg_temp_copy|||
reganode|||
regatom|||
regbranch|||
regclass_swash[5.009004]
regclass|||
regcpppop|||
regcpppush|||
regcurly]|n
regdump_extflags
regdump[5.005000]
regdupe_internal
regexec_flags[5.005000]
regfree_internal[5.009005]
reghop3
reghop4
reghopmaybe3
reginclass
reginitcolors[5.006000]
reginsert
regmatch
regnext[5.005000]
regpiece
regposixcc
regprop
regrepeat
regtail_study
regtail
regtry
reguni
regwhite
repeatcpy
report_evil_fh
report_uninit
require_pv[5.006000]
require_tie_mod
restore_magic
minstr
rsignal_restore
rsignal_save
rsignal_state[5.004000]
rsignal[5.004000]
run_body
run_user_filter
runops_debug[5.005000]
runops_standard[5.005000]
rpv_dup
rxres_free
rxres_restore
rxres_save
safesyscalloc[5.006000]
safesysfree[5.006000]
safesysmalloc[5.006000]
safesysrealloc[5.006000]
same dirent
save_116[5.004000]
save_I32
save_I8
save_adelete
save_aelem
save_alloc
save_aptr
save_ary
save_bool
save_clearsv
save_destructor_x
save_destructor
save_freeop
save_freepv
save_freesv
save_generic_pvref
save_generic_svref
save_gp
save_hek_flags
save_helem_flags
save_helem
save_hints
save_hptr
save_int
save_item
save_iv
save_lines
save_list
save_long
save_magic
save_mortalizesv
save_nogv
save_op
save_padsv_and_mortalize
save_pptr
save_pushi32ptr
save_pushptri32ptr
save_pushptrptr
save_pushptr
save_re_context
save_scalar_at
save_scalar
save_set_svflags
save_shared_pvref
save_sptr
save_svref
save_vptr
simplify_sort]
skipspace0]
skipspace1]
skipspace2]
skipspace]
softref2xv]
sortcv_stacked]
sortcv_xsub]
sortcv]
sortsv_flags[5.009003]
sortsv[5.007003]
space_join_names_mortal]
ss_dup]
stack_grow]
start_force]
start_glob]
start_subparse[5.004000]
stashpv_hvname_match[5.011000]
stdize_locale]
store_cop_label]
strEQ]
strGE]
strGT]
strLE]
strLT]
strNE]
str_to_version[5.006000]
strip_return]
strmEQ]
strmNE]
study_chunk]
sub_crush_depth]
sublex_done]
sublex_push]
sublex_start]
sv_2bool]
sv_2cv]
sv_2io]
sv_2iuv_common]
sv_2iuv_non_preserve]
sv_2iv_flags[5.009001]
sv_2iv]
sv_2mortal]
sv_2num]
sv_2nv]
sv_2pv_flags[5.007002]
sv_2pv_nolen[5.006000]
sv_2pvbyte_nolen[5.006000]
sv_force_normal[5.006000]
sv_free2||
sv_free_arenas||
sv_free||
sv_gets[5.004000]
sv_grow||
sv_incmp||
sv_inc||
sv_insert_flags[5.011000]
sv_insert||
sv_isa||
sv_isobject||
sv_iv[5.005000]
sv_kill_backrefs||
sv_len_utf8[5.006000]
sv_len||
sv_magic_portable[5.011000]5.004000p
sv_magicext[5.007003]
sv_magic||
sv_mortalcopy||
sv_ncmp||
sv_newmortal||
sv_newref||
sv_nolocking[5.007003]
sv_nosharing[5.007003]
sv_nounlocking||
sv_nv[5.005000]
sv_peek[5.005000]
sv_pos_b2u_midway||
sv_pos_b2u[5.006000]
sv_pos_u2b_cached||
sv_pos_u2b_forwards||
sv_pos_u2b_midway||
sv_pos_u2b[5.006000]
sv_pvbypbyte[5.006000]
sv_pvbypbyte[5.006000]
sv_pvbypbyte[5.006000]
sv_pvutf8n_force[5.006000]
sv_pvbyte[5.006000]
sv_pvutf8n_force[5.007002]p
sv_pvutf8n_force||
sv_pvutf8n_nomg[5.007003]5.005000p
sv_pvuf[5.005000]
sv_pvutf8n_force[5.006000]
sv_pvutf8n[5.006000]
sv_pvutf8n[5.006000]
sv_pvutf8[5.006000]
sv_pv[5.006000]
sv_recode_to_utf8[5.007003]
sv_refype||
sv_release_COW||
sv_replace|||  
sv_report_used|||  
sv_reset|||  
sv_rvweaken|5.006000|  
sv_setiv_mg|5.004050| p  
sv_setiv|||  
sv_setnv_mg|5.006000| p  
sv_setnv|||  
sv_setpv_mg|5.004050| p  
sv_setpvf_mg_nocontext| pvn  
sv_setpvf_mg|5.006000|5.004000| pv  
sv_setpvf_nocontext|vn  
sv_setpvf|5.004000|v  
sv_setpviv_mg|5.008001|  
sv_setpviv|5.008001|  
sv_setpvn_mg|5.004050| p  
sv_setpvn|||  
sv_setpvs|5.009004| p  
sv_setpv|||  
sv_setref_iv|||  
sv_setref_nv|||  
sv_setref_pvn|||  
sv_setref_pv|||  
sv_setref_uv|5.007001|  
sv_setsv_cow|||  
sv_setsv_flags|5.007002|  
sv_setsv_mg|5.004050| p  
sv_setsv_nomg|5.007002| p  
sv_setsv|||  
sv_setuv_mg|5.004050| p  
sv_setuv|5.004000| p  
sv_tainted|5.004000|  
sv_taint|5.004000|  
sv_true|5.005000|  
sv_unglob|||  
sv_uni_display|5.007003|  
sv_unmagic|||  
sv_unref_flags|5.007001|  
sv_unref|||  
sv_untaint|5.004000|  
sv_upgrade|||  
sv_usepvn_flags|5.009004|  
sv_usepvn_mg|5.004050| p  
sv_usepvn|||  
sv_utf8_decode|5.006000|  
sv_utf8_downgrade|5.006000|  
sv_utf8_encode|5.006000|  
sv_utf8_upgrade_flags_grow|5.011000|
too_many_arguments
uibuf
unlink
unpack_rec
unpack_str[5.007003]
unpackstring[5.008001]
unshare_hek_or_pvn
unshare_hek
unsharepvn[5.004000]
unwind_handler_stack
update_debugger_info
upg_version[5.009005]
usage
utf16_to_utf8_reversed[5.006001]
utf16_to_utf8[5.006001]
utf8_distance[5.006000]
utf8_hop[5.006000]
utf8_length[5.007001]
utf8_pos_cache_update
utf8_to_bytes[5.006001]
utf8_to_uvchr[5.007001]
utf8_to_uvuni[5.007001]
utf8n_to_uvchr
utf8n_to_uvuni[5.007001]
utilize
uvchr_to_utf8_flags[5.007003]
uvchr_to_utf8
uvuni_to_utf8_flags[5.007003]
uvuni_to_utf8[5.007001]
validate_suid
varname
vcmp[5.009000]
vcroak[5.006000]
vdeb[5.007003]
vdie_common
vdie_croak_common
vform
visit
vivify_defelem
vivify_ref
vload_module[5.006000]
vmess[5.006000]
vnewSVpAv[5.006000][5.004000]
vnormal[5.009002]
vnumify[5.009000]
vstringify[5.009000]
vverify[5.009003]
if (exists $opt{'list-unsupported'}) {
    my $f;
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $API{$f}{todo};
        print "$f ", '.'x(40-length($f)), " ", format_version($API{$f}{todo}), "\n";
    }  
    exit 0;
}

# Scan for possible replacement candidates

my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;
my($hint, $define, $function);
sub find_api
{
    my $code = shift;
    $code =~ s{
        / (?: \*[^*]*\*+(?:\[^$ccs\]\[^*]*\*+)* / | /\[^
          \]*| "[^"\\]*(?:\\.[^"\\]*)*" | '[^'\\]*(?:\\.[^'\\]*)*' }{}egsx;
    grep { exists $API{$_} } $code =~ /\w+/mg;
}
while (<DATA>) {
if ($hint) {
my $h = $hint->[0] eq 'Hint' ? \%hints : \%warnings;
if (m{^\s*\*\s(.*?)\s*$}) {
for (@{$hint->[1]}) {
$h->{$_} ||= ''; # suppress warning with older perls
$h->{$_} .= "$1\n";
}
}
else { undef $hint }
}
$hint = [$1, [split /,?\s+/, $2]]
if m{^\s*$rccs\s+(Hint|Warning):\s+(\w+(?:,?\s+\w+)*)\s*$};
if ($define) {
if ($define->[1] =~ /\\$/) {
$define->[1] .= $_;
}
else {
if (exists $API{$define->[0]} && $define->[1] !~ /^DPPP_\(/) {
my @n = find_api($define->[1]);
push @{$depends{$define->[0]}}, @n if @n
}
undef $define;
}
}
$define = [$1, $2] if m{^\s*#\s*define\s+(\w+)(?:\([^)]*\))?\s+(.*)};
if ($function) {
if (/^}/) {
if (exists $API{$function->[0]}) {
my @n = find_api($function->[1]);
push @{$depends{$function->[0]}}, @n if @n
}
undef $function;
}
else {
$function->[1] .= $_;
}
}
$function = [$1, ''] if m{^DPPP_\(my_(\w+)\)};
$replace

= $1 if m{^\s*$rccs\s+Replace:\s+(\d+)\s+$rcce\s*$};

Open Source Used In CSPC_Collector 2.9.1 2179


$replace{$2} = $1 if $replace and m{^\s*#\s*define\s+(\w+)(?:\([^)]*\))?\s+(\w+)};
$replace{$2} = $1 if m{^\s*#\s*define\s+(\w+)(?:\([^)]*\))?\s+(\w+).*$rccs\s+Replace\s+$rcce};
$replace{$1} = $2 if m{^\s*$rccs\s+Replace (\w+) with (\w+)\s+$rcce\s*$};
if (m{^\s*$rccs\s+(\w+(\s*,\s*\w+)*)\s+depends\s+on\s+(\w+(\s*,\s*\w+)*)\s+$rcce\s*$}) {
my @deps = map { s/\s+//g; $_ } split /,/, $3;
my $d;
for $d (map { s/\s+//g; $_ } split /,/, $1) {
push @{$depends{$d}}, @deps;
}
}
$need{$1} = 1 if m{^#if\s+defined\(NEED_(\w+)(?:_GLOBAL)?\)};
}
for (values %depends) {
my %s;
$_ = [sort grep !$s{$_}++, @$_];
}
if (exists $opt{'api-info'}) {
my $f;
my $count = 0;
my $match = $opt{'api-info'} =~ m!^/(.*)/$! ? $1 : "^\Q$opt{'api-info'}\E\$";
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $f =~ /$match/;
print "\n=== $f ===\n\n";
my $info = 0;
if ($API{$f}{base} || $API{$f}{todo}) {
my $base = format_version($API{$f}{base} || $API{$f}{todo});
print "Supported at least starting from perl-$base.\n";
$info++;
}
if ($API{$f}{provided}) {
my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";
print "Support by $ppport provided back to perl-$todo.\n";
print "Support needs to be explicitly requested by NEED_$f.\n" if exists $need{$f};
print "Depends on: ", join(', ', @{$depends{$f}}), ".\n" if exists $depends{$f};
print "\n$hints{$f}" if exists $hints{$f};
print "\nWARNING:\n$warnings{$f}" if exists $warnings{$f};
$info++;
}
print "No portability information available.\n" unless $info;
$count++;
}
$count or print "Found no API matching '$opt{'api-info'}'.";
print "\n";
exit 0;

Open Source Used In CSPC_Collector 2.9.1 2180


if (exists $opt{'list-provided'}) {
    my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
    next unless $API{$f}{provided};
    my @flags;
    push @flags, 'explicit' if exists $need{$f};
    push @flags, 'depend' if exists $depends{$f};
    push @flags, 'hint'   if exists $hints{$f};
    push @flags, 'warning' if exists $warnings{$f};
    my $flags = @flags ? '  [' . join(', ', @flags) . '] ' : ';
    print "$f$flags
";
} exit 0;
}

my @files;
my @srext = qw( .xs .c .h .cc .cpp -c.inc -xs.inc );
my $srcext = join '|', map { quotemeta $_ } @srext;

if (@ARGV) {
    my %seen;
    for (@ARGV) {
        if (-e) {
            if (-f) {
                push @files, $_ unless $seen{$_}++;
            } else {
                warn "$_ is not a file.
";
            }
        } else {
            my @new = grep { -f } glob $_
            or warn "$_ does not exist.
";
            push @files, grep { !$seen{$_}++ } @new;
        }
    }
}
else {
    eval {
        require File::Find;
        File::Find::find(sub {
            $File::Find::name =~ /($srcext)$/i
            and push @files, $File::Find::name;
        }, '.' );
    };
    if ($@) {
        @files = map { glob "*$_" } @srext;
    }
}
}
if (!@ARGV || $opt{filter}) {
my(@in, @out);
my %xsc = map { /(.*)\.xs$/ ? ("$1.c" => 1, "$1.cc" => 1) : () } @files;
for (@files) {
my $out = exists $xsc{$_} || /\b\Q$ppport\E$/i || !/($srcext)$/i;
push @{ $out ? \@out : \@in }, $_;
}
if (@ARGV && @out) {
warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
}
@files = @in;
}
die "No input files given!\n" unless @files;
my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;
for $filename (@files) {
unless (open IN, "<$filename") {
warn "Unable to read from $filename: $!\n";
next;
}
info("Scanning $filename ...");
my $c = do { local $/; <IN> };
close IN;
my %file = (orig => $c, changes => 0);
# Temporarily remove C/XS comments and strings from the code
my @ccom;
$c =~ s{
( ^$HS*\#$HS*include\b[^\r\n]+\b(?:\Q$ppport\E|XSUB\.h)\b[^\r\n]*
| ^$HS*\#$HS*(?:define|elif|if(?:def)?)\b[^\r\n]* )
| ( ^$HS*\#[^\r\n]*
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^'\\]*(?:\\.[^'\\]*)*'
| / (?: \*[^*]*\*+(?:[^$ccs][^*]*\*+)* / | /[^\r\n]* ) )
}{ defined $2 and push @ccom, $2;
defined $1 ? $1 : "$ccs$#ccom$cce" }mgsex;

Open Source Used In CSPC_Collector 2.9.1 2182


for $func (keys %API) {
    my $match = $func;
    $match .= "|$revreplace{$func}" if exists $revreplace{$func};
    if ($c =~ /ab(?::Perl_)?{$match}b/) {
        $file{uses_replace}[$1]++ if exists $revreplace{$func} && $1 eq $revreplace{$func};
        $file{uses_Perl}[$func]++ if $c =~ /abperl_$func/b;
    }
    if (exists $API{$func}{provided}) {
        $file{uses_provided}[$func]++;
        if (!exists $API{$func}{base} || $API{$func}{base} > $opt{compat-version}) {
            my @deps = rec_depend($func);
            for (@deps) {
                $file{uses}[$_]=0 unless exists $file{uses}[$_];
            }
        }
        for ($func, @deps) {
            $file{needs}[$_]= 'static' if exists $need{$_};
        }
    }
    if (exists $API{$func}{todo} && $API{$func}{todo} > $opt{compat-version}) {
        if ($c =~ /$func/) {
            $file{uses_todo}{$func}++;
        }
    }
}
while ($c =~ /\$HS*define\$HS+(NEED_(\w+?)(_GLOBAL)?)\b/mg) {
    if (exists $need{$2}) {
        $file{defined $3 ? 'needed_global' : 'needed_static'}{$2}++;
    } else { warning("Possibly wrong #define $1 in $filename") }
}
for (qw(uses needs uses_todo needed_global needed_static)) {
    for $func (keys %{$file{$_}}) {
        push @{$global{$_}{$func}}, $filename;
    }
}
$files{$filename} = \%file;

# Globally resolve NEED_’s
my $need;
for $need (keys %{$global{needs}}) {
    if (@{$global{needs}{$need}} > 1) {
        my @targets = @{$global{needs}{$need}};
        @targets = grep $files{$_}{needed_global}{$need}, @targets;
        $files{$_}{needs}{$need} = 'global';
        for (@{$global{needs}{$need}}) {
            $files{$_}{needs}{$need} = 'extern' if $_ ne $target;
        }
    }
}

for $filename (@files) {
    exists $files{$filename} or next;

    info("=== Analyzing $filename ===");

    my %file = %{$files{$filename}};
    my $func;
    my $c = $file{code};
    my $warnings = 0;

    for $func (sort keys %{$file{uses_Perl}}) {
        if ($API{$func}{varargs}) {
            unless ($API{$func}{nothxarg}) {
                my $changes = ($c =~ s{\b(Perl_$func\$1\$2*\$3*)(?!aTHX_?)\$3*\$4\$5*\$6*\$7*\$8*\$9*)}{ $1 . ($2 eq ')' ? 'aTHX' : 'aTHX_ ' . $2 }ge);
                if ($changes) {
                    warning("Doesn’t pass interpreter argument aTHX to Perl_$func");
                    $file{changes} += $changes;
                }
            }
        } else {
            warning("Uses Perl_$func instead of $func");
            $file{changes} += ($c =~ s{\bPerl_$func\$1\$2*\$3*\$4*\$5*\$6*\$7*\$8*\$9*}{ $func$1(}g);
        }
    }
}
for $func (sort keys %{$file{uses_replace}})) {
    warning("Uses $func instead of $replace{$func}");
    $file{changes} += ($c =~ s/b$func/b$replace{$func}/g);
}

for $func (sort keys %{$file{uses_provided}})) {
    if ($file{uses}{$func}) {
        if (exists $file{uses_deps}{$func}) {
            diag("Uses $func, which depends on ", join(', ', @{$file{uses_deps}{$func}}));
        } else {
            diag("Uses $func");
        }
    }
    $warnings += hint($func);
}

unless ($opt{quiet}) {
    for $func (sort keys %{$file{uses_todo}})) {
        print "*** WARNING: Uses $func, which may not be portable below perl ",
        format_version($API{$func}{todo}), ", even with 'ppport'\n"
        $warnings++;
    }
}

for $func (sort keys %{$file{needed_static}})) {
    my $message = "";
    if (not exists $file{uses}{$func}) {
        $message = "No need to define NEED_{$func} if $func is never used";
    } elsif (exists $file{needs}{$func} && $file{needs}{$func} ne 'static') {
        $message = "No need to define NEED_{$func} when already needed globally";
    } if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^$HS*#$HS*define$HS*NEED_$func\b.*$LF//mg);
    }
}

for $func (sort keys %{$file{needed_global}})) {
    my $message = "";
    if (not exists $global{uses}{$func}) {
        $message = "No need to define NEED_{$func}_GLOBAL if $func is never used";
    } elsif (exists $file{needs}{$func}) {
        if ($file{needs}{$func} eq 'extern') {
            $message = "No need to define NEED_{$func}_GLOBAL when already needed globally";
        }
unless ($file{has_inc_ppport}) {
    diag("Needs to include "'$ppport"\n);    
    $pp = qq(#include "$ppport\n"); 
}

if ($pp) {
    $file{changes} += ($c =~ s/^(?=$HS*#)?define$HS+NEED_\w+.*?)/$pp/m) || ($c =~ s/^(?=$HS*#)?include.*XSUB.*\s*/$pp/m) || ($c =~ s/^(?=$HS*#)?include.*\S+$/\S$pp/); 
}
}
else {
    if ($file{has_inc_ppport}) {
        diag("No need to include "$ppport";\n        $file{changes} += ($c =~ s/^$HS*?#$HS*include.*$Q$ppport\E.*?$LF//m);
    }
    }

# put back in our C comments
my $six;
my $cppc = 0;
my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
    if (!$opt{cplusplus} && $ccom[$ix] =~ s!^//!!) {
        $cppc++;
        $file{changes} += $c =~ s/$rccs$ix$rcce/$ccs$ccom[$ix] $cce/;
    }
    else {
        $c =~ s/$rccs$ix$rcce/$ccom[$ix]/;
    }
}

if ($cppc) {
    my $s = $cppc != 1 ? 's' : '';
    warning("Uses $cppc C++ style comment$s, which is not portable");
}

my $s = $warnings != 1 ? 's' : '';
my $warn = $warnings ? " ($warnings warning$s)" : "
info("Analysis completed$swarn");

if ($file{changes}) {
    if (exists $opt{copy}) {
        my $newfile = "$filename$opt{copy}";
        if (-e $newfile) {
            error("$newfile' already exists, refusing to write copy of '$filename'\n        }
    else {
        local *F;
        if (open F, ">$newfile") {
            info("Writing copy of '$filename' with changes to '$newfile'\n            print F $c;
            close F;
        }
    else {
        error("Cannot open '$newfile' for writing: $!");
elsif (exists $opt{patch} || $opt{changes}) {
    if (exists $opt{patch}) {
        unless ($patch_opened) {
            if (open PATCH, ">$opt{patch}") {
                $patch_opened = 1;
            } else {
                error("Cannot open ".$opt{patch}" for writing: $!");
                delete $opt{patch};
                $opt{changes} = 1;
                goto fallback;
            }
        } else {
            mydiff(
                *PATCH, $filename, $c);
        } else {
            fallback:
        info("Suggested changes:");
        mydiff(*STDOUT, $filename, $c);
    } else {
        my $s = $file{changes} == 1 ? '' : 's';
        info("$file{changes} potentially required change$s detected");
    } else {
        info("Looks good");
    }
}

close PATCH if $patch_opened;

exit 0;

sub try_use { eval "use @_;"; return @$ eq "

sub mydiff {
    local *F = shift;
    my($file, $str) = @_;  
    my $diff; 
    
    if (exists $opt{diff}) {
        $diff = run_diff($opt{diff}, $file, $str);
    }
}
if (!defined $diff and try_use('Text::Diff')) {
    $diff = Text::Diff::diff($file, $str, { STYLE => 'Unified' });
    $diff = <<HEADER . $diff;
    --- $file
    +++ $file.patched
    HEADER
}

if (!defined $diff) {
    $diff = run_diff('diff -u', $file, $str);
}

if (!defined $diff) {
    $diff = run_diff('diff', $file, $str);
}

if (!defined $diff) {
    error("Cannot generate a diff. Please install Text::Diff or use --copy.");
    return;
}

print F $diff;
}

sub run_diff {
    my($prog, $file, $str) = @_; 
    my $tmp = 'dppptemp';
    my $suf = 'aaa';
    my $diff = "";
    local *F;

    while (-e "$tmp.$suf") { $suf++ }
    $tmp = "$tmp.$suf";

    if (open F, ">$tmp") {
        print F $str;
        close F;
    }

    if (open F, "$prog $file $tmp") {
        while (<F>) {
            s/#Q$Stmp\E/$file.patched/;
            $diff .= $_;
        }
        close F;
        unlink $tmp;
        return $diff;
    }
}
unlink $tmp;
}
else {
    error("Cannot open '$tmp' for writing: $!");
}

return undef;
}

sub rec_depend {
    my($func, $seen) = @_; 
    return () unless exists $depends{$func};
    $seen = {%{$seen||{}}};
    return () if $seen->{$func}++;
    my %s;
    grep !s{$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}}; @{$depends{$func}};
}

sub parse_version {
    my $ver = shift;
    if ($ver =~ /^\d+\.\d+/.\d+$/) {
        return ($1, $2, $3);
    }
    elsif ($ver !~ /^\d+\-[\d_]+$/) {
        die "cannot parse version '$ver'\n"
    }

    $ver =~ s/_//g;
    $ver =~ s/$/000000/;
    my($r,$v,$s) = $ver =~ /\d+\.\d{3}(\d{3})/;
    $r = int $r;
    $v = int $v;
    $s = int $s;
    if ($r < 5 || ($r == 5 && $v < 6)) {
        if ($s % 10) {
            die "cannot parse version '$ver'\n"
        }
    }
    return ($r, $v, $s);
}
sub format_version
{
    my $ver = shift;

    $ver =~ s/$/000000/;
    my($r,$v,$s) = $ver =~ /\d+/.(\d{3})\.(\d{3})/;

    $v = int $v;
    $s = int $s;

    if ($r < 5 || ($r == 5 && $v < 6)) {
        if ($s % 10) {
            die "invalid version "$ver"\n";
        }
        $s /= 10;

        $ver = sprintf "%d.%03d", $r, $v;
        $s > 0 and $ver .= sprintf "_%02d", $s;

        return $ver;
    }

    return sprintf "%d.%d.%d", $r, $v, $s;
}

sub info
{
    $opt{quiet} and return;
    print @_, "\n";
}

sub diag
{
    $opt{quiet} and return;
    $opt{diag} and print @_, "\n";
}

sub warning
{
    $opt{quiet} and return;
    print "*** ", @_, "\n";
}

sub error
{
    print "*** ERROR: ", @_, "\n";
}
my %given_hints;
my %given_warnings;
sub hint
{
$opt{quiet} and return;
my $func = shift;
my $rv = 0;
if (exists $warnings{$func} && !$given_warnings{$func}++) {
my $warn = $warnings{$func};
$warn =~ s!^!*** !mg;
print "*** WARNING: $func\n", $warn;
$rv++;
}
if ($opt{hints} && exists $hints{$func} && !$given_hints{$func}++) {
my $hint = $hints{$func};
$hint =~ s/^/ /mg;
print " --- hint for $func ---\n", $hint;
}
$rv;
}
sub usage
{
my($usage) = do { local(@ARGV,$/)=($0); <> } =~ /^=head\d$HS+SYNOPSIS\s*^(.*?)\s*^=/ms;
my %M = ( 'I' => '*' );
$usage =~ s/^\s*perl\s+\S+/$^X $0/;
$usage =~ s/([A-Z])<([^>]+)>/$M{$1}$2$M{$1}/g;
print <<ENDUSAGE;
Usage: $usage
See perldoc $0 for details.
ENDUSAGE
exit 2;
}
sub strip
{
my $self = do { local(@ARGV,$/)=($0); <> };
my($copy) = $self =~ /^=head\d\s+COPYRIGHT\s*^(.*?)^=\w+/ms;
$copy =~ s/^(?=\S+)/ /gms;
$self =~ s/^$HS+Do NOT edit.*?(?=^-)/$copy/ms;
$self =~ s/^SKIP.*(?=^__DATA__)/SKIP
if (\@ARGV && \$ARGV[0] eq '--unstrip') {
eval { require Devel::PPPort };

Open Source Used In CSPC_Collector 2.9.1 2192


\$@ and die "Cannot require Devel::PPPort, please install.\n";
if (eval $Devel::PPPort::VERSION < $VERSION) {
    die "$0 was originally generated with Devel::PPPort $VERSION.\n"
    . "Your Devel::PPPort is only version \$Devel::PPPort::VERSION.\n"
    . "Please install a newer version, or --unstrip will not work.\n"
}
Devel::PPPort::WriteFile($0);
exit 0;
}
print <<END;
Sorry, but this is a stripped version of \$0.

To be able to use its original script and doc functionality,
please try to regenerate this file using:

\$^X \$0 --unstrip
END
/ms;
my($pl, $c) = $self =~ /(.*^__DATA__)(.*)/ms;
$c =~ s{
    / (?: \*[^\*]*\*+(?:[^$ccs][^\*]*\*+)* / | /\[^
\n\]*
    | ( "[^"\[\]*\(\[^"\[\]*\)\)*
    | [^\]\]*\(?\:\[^\]\]*\)\)*
    | (SHS+) ) \{ defined $2 \? \'\?' (\$1 \"\" ) \} gsex;
$c = -$s!s+$!!mg;
$c = -$s!$LF!!mg;
$c = -$s!^s*#s*#!mg;
$c = -$s!^s+!!mg;

open OUT, ">$0" or die "cannot strip $0: $!\n";
print OUT "$pl$c\n";
exit 0;
}

__DATA__
*/

Found in path(s):
No license file was found, but licenses were detected in source scan.

License:       GPL+ or Artistic
=head1 NAME

threads::shared - Perl extension for sharing data structures between threads

=head1 VERSION

This document describes threads::shared version 1.58

=head1 SYNOPSIS

use threads;
use threads::shared;

my $var :shared;
my %hsh :shared;
my @ary :shared;

my ($scalar, @array, %hash);
share($scalar);
share(@array);
share(%hash);

$var = $scalar_value;
$var = $shared_ref_value;
$var = shared_clone($non_shared_ref_value);
$var = shared_clone(
    {'foo' => [qw/foo bar baz/]});

$hsh{'foo'} = $scalar_value;
$hsh{'bar'} = $shared_ref_value;
$hsh{'baz'} = shared_clone($non_shared_ref_value);
$hsh{'quz'} = shared clone([1..3]);

$ary[0] = $scalar_value;
$ary[1] = $shared_ref_value;
$ary[2] = shared_clone($non_shared_ref_value);
$ary[3] = shared_clone([ {}, [] ]);  

{ lock(%hash); ...  }  

cond_wait($scalar);
cond_timedwait($scalar, time() + 30);
cond_broadcast(@array);
cond_signal(%hash);

my $lockvar :shared;
# condition var != lock var
cond_wait($var, $lockvar);
cond_timedwait($var, time()+30, $lockvar);

=head1 DESCRIPTION

By default, variables are private to each thread, and each newly created
thread gets a private copy of each existing variable. This module allows you
to share variables across different threads (and pseudo-forks on Win32). It
is used together with the L<threads> module.

This module supports the sharing of the following data types only: scalars
and scalar refs, arrays and array refs, and hashes and hash refs.

=head1 EXPORT

The following functions are exported by this module: C<share>,
C<shared_clone>, C<is_shared>, C<cond_wait>, C<cond_timedwait>, C<cond_signal>
and C<cond_broadcast>

Note that if this module is imported when L<threads> has not yet been loaded,
then these functions all become no-ops. This makes it possible to write
modules that will work in both threaded and non-threaded environments.

=head1 FUNCTIONS

=over 4

=item share VARIABLE

C<share> takes a variable and marks it as shared:

my ($scalar, @array, %hash);
share($scalar);
share(@array);
share(%hash);
C<share> will return the shared rvalue, but always as a reference.

Variables can also be marked as shared at compile time by using the C<shared> attribute:

```perl
my ($var, %hash, @array) :shared;
```

Shared variables can only store scalars, refs of shared variables, or
refs of shared data (discussed in next section):

```perl
my ($var, %hash, @array) :shared;
my $bork;

# Storing scalars
$var = 1;
$hash{'foo'} = 'bar';
$array[0] = 1.5;

# Storing shared refs
$var = %hash;
$hash{'ary'} = @array;
$array[1] = $var;

# The following are errors:
#   $var = $bork;                    # ref of non-shared variable
#   $hash{'bork'} = [];               # non-shared array ref
#   push(@array, { 'x' => 1 });      # non-shared hash ref
```

=item shared_clone REF

C<shared_clone> takes a reference, and returns a shared version of its
argument, performing a deep copy on any non-shared elements. Any shared
elements in the argument are used as is (i.e., they are not cloned).

```perl
my $cpy = shared_clone({'foo' => [qw/foo bar baz/]});
```

Object status (i.e., the class an object is blessed into) is also cloned.

```perl
my $obj = {'foo' => [qw/foo bar baz/]};
bless($obj, 'Foo');
my $cpy = shared_clone($obj);
print(ref($cpy), "\n"); # Outputs 'Foo'
```

For cloning empty array or hash refs, the following may also be used:

```perl
$var = &share([]);  # Same as $var = shared_clone([]);
$var = &share({});  # Same as $var = shared_clone({});
```
Not all Perl data types can be cloned (e.g., globs, code refs). By default, C<shared_clone> will L<croak|Carp> if it encounters such items. To change this behaviour to a warning, then set the following:

$threads::shared::clone_warn = 1;

In this case, C<undef> will be substituted for the item to be cloned. If set to zero:

$threads::shared::clone_warn = 0;

then the C<undef> substitution will be performed silently.

=item is_shared VARIABLE

C<is_shared> checks if the specified variable is shared or not. If shared, returns the variable's internal ID (similar to C<refaddr()> (see L<Scalar::Util>). Otherwise, returns C<undef>.

if (is_shared($var)) {
    print("$var is shared\n");
} else {
    print("$var is not shared\n");
}

When used on an element of an array or hash, C<is_shared> checks if the specified element belongs to a shared array or hash. (It does not check the contents of that element.)

my %hash :shared;
if (is_shared(%hash)) {
    print("%hash is shared\n");
}

$hash{'elem'} = 1;
if (is_shared($hash{'elem'})) {
    print("$hash{'elem'} is in a shared hash\n");
}

=item lock VARIABLE

C<lock> places a B<advisory> lock on a variable until the lock goes out of scope. If the variable is locked by another thread, the C<lock> call will block until it's available. Multiple calls to C<lock> by the same thread from within dynamically nested scopes are safe -- the variable will remain locked until the outermost lock on the variable goes out of scope.
C<lock> follows references exactly I<one> level:

    my %hash :shared;
    my $ref = %hash;
    lock($ref);      # This is equivalent to lock(%hash)

Note that you cannot explicitly unlock a variable; you can only wait for the
lock to go out of scope. This is most easily accomplished by locking the
variable inside a block.

    my $var :shared;
    {
        lock($var);
        # $var is locked from here to the end of the block
        ...
    }
    # $var is now unlocked

As locks are advisory, they do not prevent data access or modification by
another thread that does not itself attempt to obtain a lock on the variable.

You cannot lock the individual elements of a container variable:

    my %hash :shared;
    $hash{'foo'} = 'bar';
    #lock($hash{'foo'});          # Error
    lock(%hash);                 # Works

If you need more fine-grained control over shared variable access, see
L<Thread::Semaphore>.

=item cond_wait VARIABLE

=item cond_wait CONDVAR, LOCKVAR

The C<cond_wait> function takes a B<locked> variable as a parameter, unlocks
the variable, and blocks until another thread does a C<cond_signal> or
C<cond_broadcast> for that same locked variable. The variable that
C<cond_wait> blocked on is re-locked after the C<cond_wait> is satisfied. If
there are multiple threads C<cond_wait>ing on the same variable, all but one
will re-block waiting to reacquire the
lock on the variable. (So if you're only
using C<cond_wait> for synchronization, give up the lock as soon as possible).
The two actions of unlocking the variable and entering the blocked wait state
are atomic, the two actions of exiting from the blocked wait state and
re-locking the variable are not.

In its second form, C<cond_wait> takes a shared, B<unlocked> variable followed
by a shared, B<locked> variable. The second variable is unlocked and thread execution suspended until another thread signals the first variable.

It is important to note that the variable can be notified even if no thread C<cond_signal> or C<cond_broadcast> on the variable. It is therefore important to check the value of the variable and go back to waiting if the requirement is not fulfilled. For example, to pause until a shared counter drops to zero:

```perl
{ lock($counter); cond_wait($counter) until $counter == 0; }
```

=item cond_timedwait VARIABLE, ABS_TIMEOUT

=item cond_timedwait CONDVAR, ABS_TIMEOUT, LOCKVAR

In its two-argument form, C<cond_timedwait> takes a B<locked> variable and an absolute timeout in I<epoch> seconds (see L<time() in perlfunc|perlfunc/time> for more) as parameters, unlocks the variable, and blocks until the timeout is reached or another thread signals the variable. A false value is returned if the timeout is reached, and a true value otherwise. In either case, the variable is re-locked upon return.

Like C<cond_wait>, this function may take a shared, B<locked> variable as an additional parameter; in this case the first parameter is an B<unlocked> condition variable protected by a distinct lock variable.

Again like C<cond_wait>, waking up and reacquiring the lock are not atomic, and you should always check your desired condition after this function returns. Since the timeout is an absolute value, however, it does not have to be recalculated with each pass:

```perl
lock($var);
my $abs = time() + 15;
until ($ok = desired_condition($var)) {
    last if !cond_timedwait($var, $abs);
}
# we got it if $ok, otherwise we timed out!
```

=item cond_signal VARIABLE

The C<cond_signal> function takes a B<locked> variable as a parameter and unblocks one thread that's C<cond_wait>ing on that variable. If more than one thread is blocked in a C<cond_wait> on that variable, only one (and which one is indeterminate) will be unblocked.

If there are no threads blocked in a C<cond_wait> on the variable, the signal is discarded. By always locking before
signaling, you can (with care), avoid
signaling before another thread has entered cond_wait().

C<cond_signal> will normally generate a warning if you attempt to use it on an
unlocked variable. On the rare occasions
where doing this may be sensible, you
can suppress the warning with:

{ no warnings 'threads'; cond_signal($foo); }

=item cond_broadcast VARIABLE

The C<cond_broadcast> function works similarly to C<cond_signal>.
C<cond_broadcast>, though, will unblock B<all> the threads that are blocked in
a C<cond_wait> on the locked variable, rather than only one.

=head1 OBJECTS

L<threads::shared> exports a version of L<bless(REF)> that
works on shared objects such that L<blessings> propagate across threads.

# Create a shared 'Foo' object
my $foo :shared = shared_clone({});
bless($foo, 'Foo');

# Create a shared 'Bar' object
my $bar :shared = shared_clone({});
bless($bar, 'Bar');

# Put 'bar' inside 'foo'
$foo->{'bar'} = $bar;

# Rebless the objects via a thread
threads->create(sub {
    # Rebless the outer object
    bless($foo, 'Yin');

    # Cannot directly rebless the inner object
    #bless($foo->{'bar'}, 'Yang');

    # Retrieve and rebless the inner object
    my $obj = $foo->{'bar'};
bless($obj, 'Yang');
    $foo->{'bar'} = $obj;
})->join();
print(ref($foo), "\n");  # Prints 'Yin'
print(ref($foo->{'bar'}), "\n");  # Prints 'Yang'
print(ref($bar), "\n");  # Also prints 'Yang'

=head1 NOTES

L<threads::shared> is designed to disable itself silently if threads are not available. This allows you to write modules and packages that can be used in both threaded and non-threaded applications.

If you want access to threads, you must C<use threads> before you C<use threads::shared>. L<threads> will emit a warning if you use it after L<threads::shared>.

=head1 WARNINGS

=over 4

=item cond_broadcast() called on unlocked variable

=item cond_signal() called on unlocked variable

See L</"cond_signal VARIABLE">, above.

=back

=head1 BUGS AND LIMITATIONS

When C<share> is used on arrays, hashes, array refs or hash refs, any data they contain will be lost.

my @arr = qw(foo bar baz);
share(@arr);
# @arr is now empty (i.e., == ());

# Create a 'foo' object
my $foo = { 'data' => 99 };
bless($foo, 'foo');

# Share the object
share($foo);  # Contents are now wiped out
print("ERROR: \$foo is empty\n");
    if (! exists($foo->{'data'}));

Therefore, populate such variables B<after> declaring them as shared. (Scalar and scalar refs are not affected by this problem.)
Blessing a shared item after it has been nested in another shared item does not propagate the blessing to the shared reference:

```perl
my $foo = &share({});
my $bar = &share({});
$bar->{foo} = $foo;
bless($foo, 'baz');   # $foo is now of class 'baz',
 # but $bar->{foo} is unblessed.
```

Therefore, you should bless objects before sharing them.

It is often not wise to share an object unless the class itself has been written to support sharing. For example, a shared object's destructor may get called multiple times, once for each thread's scope exit, or may not get called at all if it is embedded inside another shared object. Another issue is that the contents of hash-based objects will be lost due to the above mentioned limitation. See F<examples/class.pl> (in the CPAN distribution of this module) for how to create a class that supports object sharing.

Destructors may not be called on objects if those objects still exist at global destruction time. If the destructors must be called, make sure there are no circular references and that nothing is referencing the objects before the program ends.

Does not support C<splice> on arrays. Does not support explicitly changing array lengths via $#array -- use C<push> and C<pop> instead.

Taking references to the elements of shared arrays and hashes does not autovivify the elements, and neither does slicing a shared array/hash over non-existent indices/keys.

C<share()> allows you to C<< share($hashref->{key}) >> and C<< share($arrayref->[idx]) >> without giving any error message. But the C<< $hashref->{key} >> or C<< $arrayref->[idx] >> is B<not> shared, causing the error "lock can only be used on shared values" to occur when you attempt to C<< lock($hashref->{key}) >> or C<< lock($arrayref->[idx]) >> in another thread.

Using C<refaddr()> is unreliable for testing whether or not two shared references are equivalent (e.g., when testing for circular references). Use L<is_shared()>/"is_shared VARIABLE", instead:

```perl
use threads;
use threads::shared;
use Scalar::Util qw(refaddr);

# If ref is shared, use threads::shared's internal ID.
```
# Otherwise, use refaddr().
my $addr1 = is_shared($ref1) || refaddr($ref1);
my $addr2 = is_shared($ref2) || refaddr($ref2);

if ($addr1 == $addr2) {
    # The refs are equivalent
}

L<each(\|perlfunc/"each HASH"> does not work properly on shared references embedded in shared structures. For example:

    my %foo :shared;
    $foo{'bar'} = shared_clone({'a'=>x', 'b'=>y', 'c'=>z'});

    while (my ($key, $val) = each(%{$foo{'bar'}})) {
        ...
    }

Either of the following will work instead:

    my $ref = $foo{'bar'};
    while (my ($key, $val) = each(%{$ref})) {
        ...
    }

    foreach my $key (keys(%{$foo{'bar'}})) {
        my $val = $foo{'bar'}{$key};
        ...
    }

This module supports dual-valued variables created using C<dualvar()> from L<Scalar::Util>. However, while C<$!> acts like a dualvar, it is implemented as a tied SV. To propagate its value, use the follow construct, if needed:

    my $errno :shared = dualvar($!, $!);

View existing bug reports at, and submit any new bugs, problems, patches, etc. to: L<http://rt.cpan.org/Public/Dist/Display.html?Name=threads-shared>

=head1 SEE ALSO

tthreads::shared on MetaCPAN:
L<https://metacpan.org/release/threads-shared>

Code repository for CPAN distribution:
L<threads>, L<perlthrtut>

L<http://www.perl.com/pub/a/2002/06/11/threads.html> and

Perl threads mailing list:
L<http://lists.perl.org/list/ithreads.html>

Sample code in the I<examples> directory of this distribution on CPAN.

=head1 AUTHOR

Artur Bergman E<lt>sky AT crucially DOT netE<gt>

Documentation borrowed from the old Thread.pm.

CPAN version produced by Jerry D. Hedden E<lt>jhedden AT cpan DOT orgE<gt>.

=head1 LICENSE

threads::shared is released under the same license as Perl.

=cut

Found in path(s):

No license file was found, but licenses were detected in source scan.

---

abstract: 'Perl extension for sharing data structures between threads'
author:
- 'Artur Bergman, Jerry D. Hedden <jhedden AT cpan DOT org>'
buidl_requires:
ExtUtils::MakeMaker: '0'

configure_requires:
ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: perl

meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: '1.4'
name: threads-shared
no_index:
directory:
- t
- inc
requires:
  Carp: '0'
  Config: '0'
  ExtUtils::testlib: '0'
  Scalar::Util: '0'
  Test::More: '0'
  XSLoader: '0'
  threads: '1.73'
  warnings: '0'
  version: '1.58'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):

1.240 perl-crypt-random-seed 0.03-1.gf.el8

1.240.1 Available under license:

This software is Copyright (c) 2012-2013 by Dana Jacobsen.

This is free software; you can redistribute it and/or modify it under
the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free
   Software Foundation; either version 1, or (at your option) any
   later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 2012-2013 by Dana Jacobsen.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Suite 500, Boston, MA 02110-1335 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

   d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.
3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

   a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

   b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

   c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these
To do so, attach the following notices to the program. It is safest to
attach them to the start of each source file to most effectively convey
the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 1, or (at your option)
any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the
commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your
program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 2012-2013 by Dana Jacobsen.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.
2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.
6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.241 mariadb 10.4.17

1.241.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1335 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
      stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in
      whole or in part contains or is derived from the Program or any
      part thereof, to be licensed as a whole at no charge to all third
      parties under the terms of this License.

   c) If the modified program normally reads commands interactively
      when run, you must cause it, when started running for such
      interactive use in the most ordinary way, to print or display an
      announcement including an appropriate copyright notice and a
      notice that there is no warranty (or else, saying that you provide
      a warranty) and that users may redistribute the program under
      these conditions, and telling the user how to view a copy of this
      License.  (Exception: if the Program itself is interactive but
      does not normally print such an announcement, your work based on
      the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole.  If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works.  But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is
implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1335 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.242 asm-commons 6.2
1.242.1 Available under license :
No license file was found, but licenses were detected in source scan.

// All rights reserved.
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions
// are met:
// 1. Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
// 2. Redistributions in binary form must reproduce the above copyright
// notice, this list of conditions and the following disclaimer in the
// documentation and/or other materials provided with the distribution.
// 3. Neither the name of the copyright holders nor the names of its
// this software without specific prior written permission.
/**
 * Constructs a new {@link SerialVersionUIDAdder}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #SerialVersionUIDAdder(int, ClassVisitor)}
 * version.
 *
* @param classVisitor a {@link ClassVisitor} to which this visitor will delegate calls.
* @throws IllegalStateException If a subclass calls this constructor.
*/

Found in path(s):
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
No license file was found, but licenses were detected in source scan.

// All rights reserved.
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions
// are met:
// 1. Redistributions of source code must retain the above copyright
//    notice, this list of conditions and the following disclaimer.
// 2. Redistributions in binary form must reproduce the above copyright
//    notice, this list of conditions and the following disclaimer in the
//    documentation and/or other materials provided with the distribution.
// 3. Neither the name of the copyright holders nor the names of its
//    this software without specific prior written permission.

Found in path(s):
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/Method.java
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/SimpleRemapper.java
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/AdviceAdapter.java
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/ModuleResolutionAttribute.java
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/FieldRemapper.java
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/AnalyzerAdapter.java
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/ModuleRemapper.java
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-jar/org/objectweb/asm/commons/ModuleTargetAttribute.java
No license file was found, but licenses were detected in source scan.

// All rights reserved.
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions
// are met:
// 1. Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
// 2. Redistributions in binary form must reproduce the above copyright
// notice, this list of conditions and the following disclaimer in the
// documentation and/or other materials provided with the distribution.
// 3. Neither the name of the copyright holders nor the names of its
// this software without specific prior written permission.
/**
 * Constructs a new { @link GeneratorAdapter}. <i>Subclasses must not use this constructor</i>.
 * Instead, they must use the { @link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
 * version.
 * @param methodVisitor the method visitor to which this adapter delegates calls.
 * @param access the method's access flags (see { @link Opcodes}).
 * @param name the method's name.
 * @param descriptor the method's descriptor (see { @link Type}).
 * @throws IllegalStateException if a subclass calls this constructor.
 */
// All rights reserved.
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions
// are met:
// 1. Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
// 2. Redistributions in binary form must reproduce the above copyright
// notice, this list of conditions and the following disclaimer in the
// documentation and/or other materials provided with the distribution.
// 3. Neither the name of the copyright holders nor the names of its
// this software without specific prior written permission.
/**
 * Constructs a new \{@link LocalVariablesSorter\}. \(<i>Subclasses must not use this constructor</i></\>.
 * Instead, they must use the \{@link #LocalVariablesSorter(int, int, String, MethodVisitor)}
 * version.
 *
 * @param access access flags of the adapted method.
 * @param descriptor the method's descriptor (see \{@link Type}\)).
 * @param methodVisitor the method visitor to which this adapter delegates calls.
 * @throws IllegalStateException if a subclass calls this constructor.
 */

2011 INRIA, France Telecom
* All rights reserved.
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its
* contributors may be used to endorse or promote products derived from
* this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.

Found in path(s):
* /opt/cola/permits/1136271899_1613725722.44/0/asm-commons-6-2-sources-2-
  jar/org/objectweb/asm/commons/package.html

1.243 json-java 1.0.0

1.243.1 Available under license:
No license file was found, but licenses were detected in source scan.

Licensed to the Apache Software Foundation (ASF) under one or more
contributor license agreements. See the NOTICE file distributed with
this work for additional information regarding copyright ownership.
The ASF licenses this file to You under the Apache License, Version 2.0
(the "License"); you may not use this file except in compliance with
the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Found in path(s):
* /opt/cola/permits/1110944795_1607962855.72/0/json-java-zip/json-1-0-0-jar/META-
  INF/maven/org.gaixie.json/json/pom.xml

1.244 spring-context-support

4.3.30.RELEASE
1.244.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2013 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*     https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4.3.30-release-sources-1.jar/org/springframework/scheduling/quartz/SimpleThreadPoolTaskExecutor.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4.3.30-release-sources-1.jar/org/springframework/mail/javamail/MimeMessageHelper.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4.3.30-release-sources-1.jar/org/springframework/ui/velocity/VelocityEngineFactory.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4.3.30-release-sources-1.jar/org/springframework/ui/velocity/VelocityEngineUtils.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2017 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*     https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4.3.30-release-sources-1-
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2016 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.

Found in path(s):
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/scheduling/quartz/ResourceLoaderClassLoadHelper.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/scheduling/quartz/SimpleTriggerFactoryBean.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/scheduling/commonj/TimerManagerTaskScheduler.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/scheduling/quartz/CronTriggerFactoryBean.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/cache/caffeine/CaffeineCacheManager.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/scheduling/quartz/SpringBeanJobFactory.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/cache/ehcache/EhCacheManagerFactoryBean.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/cache/jcache/interceptor/DefaultCacheInvocationContext.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/cache/jcache/interceptor/AbstractFallbackJCacheOperationSource.java

No license file was found, but licenses were detected in source scan.
/*
 * Copyright 2002-2019 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
   jar/org/springframework/cache/transaction/TransactionAwareCacheDecorator.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
   jar/org/springframework/cache/jcache/interceptor/AbstractJCacheOperation.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
   jar/org/springframework/cache/jcache/interceptor/JCacheOperation.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
   jar/org/springframework/cache/jcache/interceptor/KeyGeneratorAdapter.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
   jar/org/springframework/cache/jcache/interceptor/CacheResolverAdapter.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2018 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
   jar/org/springframework/mail/javamail/JavaMailSenderImpl.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
   jar/org/springframework/cache/jcache/interceptor/KeyGeneratorAdapter.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
   jar/org/springframework/cache/jcache/interceptor/CacheResolverAdapter.java

---

Open Source Used In CSPC_Collector 2.9.1 2227
/*
 * Copyright 2002-2014 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *     https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.

* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
jar/org/springframework/cache/jcache/config/ProxyJCacheConfiguration.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
jar/org/springframework/scheduling/quartz/SchedulerAccessor.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
jar/org/springframework/mail/SimpleMailMessage.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
jar/org/springframework/scheduling/quartz/SchedulerFactoryBean.java

Found in path(s):
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
jar/org/springframework/cache/ehcache/EhCacheManagerUtils.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
jar/org/springframework/cache/jcache/interceptor/JCacheOperationSourcePointcut.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
jar/org/springframework/cache/jcache/interceptor/SimpleExceptionCacheResolver.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
jar/org/springframework/scheduling/quartz/JobDetailFactoryBean.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
jar/org/springframework/scheduling/quartz/AdaptableJobFactory.java
Open Source Used In CSPC_Collector 2.9.1 2229
No license file was found, but licenses were detected in source scan.

# Copyright 2002-2018 the original author or authors.
#
# Licensed under the Apache License, Version 2.0 (the "License");
# you may not use this file except in compliance with the License.
# You may obtain a copy of the License at
#  https://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the License for the specific language governing permissions and
# limitations under the License.

# Defaults for the Java Activation Framework (revised).
# Modified extensions registered in this file:
# text/plain		java c c++ cpp pl cc h
# image/png				png
#
# text/html				html htm HTML HTM
# text/plain				txt text TXT TEXT java c c++ cpp pl cc h
# image/gif		GIF
# image/ief			ief
# image/jpeg			jpeg jpg jpe JPG
# image/tiff		tiff tif
# image/x-xwindowdump		xwd
# application/postscript	ai eps ps
# application/rtf			rtf
# application/x-tex	
tex
# application/x-texinfo		texinfo texi
# application/x-troff		r tr roff
# audio/basic			t
# audio/midi				midi mid
audio/x-aifc
audio/x-aiff aiff
audio/x-mpeg mpeg mpg
audio/x-wav wav
video/mpeg mpg mpe
video/quicktime qt mov
video/x-msvideo avi

# Additional file types adapted from
# https://www.utoronto.ca/webdocs/HTMLdocs/Book/Book-3ed/appb/mimetype.html
# kindly re-licensed to Apache Software License 2.0 by Ian Graham.

# TEXT TYPES

text/x-speech talk
text/css css
text/csv csv

# IMAGE TYPES

# X-Windows bitmap (b/w)
image/x-xbitmap xbm
# X-Windows pixmap (8-bit color)
image/x-xpixmap xpm
# Portable Network Graphics
image/png
# Image Exchange Format (RFC 1314)
image/ief
# RGB
image/rgb
# Group III Fax (RFC 1494)
image/g3fax g3f
# X Windowdump format
image/x-xwindowdump xwd
# Macintosh PICT format
image/x-pict pict
# PPM (UNIX PPM package)
image/x-portable-pixmap ppm
# PGM (UNIX PPM package)
image/x-portable-graymap pnm
# PBM (UNIX PPM package)
image/x-portable-bitmap pbm
# PNM (UNIX PPM package)
image/x-portable-anymap ppm
# Microsoft Windows bitmap
image/x-ms-bmp
# CMU raster
image/x-cmu-raster
# Kodak Photo-CD
image/x-photo-cd
# Computer Graphics Metafile
image/cgm
gm
# CALS Type 1 or 2
image/x-cals
mil cal
# Fractal Image Format (Iterated Systems)
image/fif
# QuickSilver active image (Micrografi)
image/x-mgx-dsf
dsf
# CMX vector image (Corel)
image/x-cmx
# Wavelet-compressed (Summus)
image/wavelet
# AutoCad Drawing (SoftSource)
image/vnd.dwg
dwg
# AutoCad DXF file (SoftSource)
image/vnd.dxf
dxf
# Simple Vector Format (SoftSource)
image/vnd.svf
svf

# AUDIO/VOICE/MUSIC RELATED TYPES

# "basic" audio - 8-bit u-law PCM
audio/basic
snd
# Macintosh audio format (Apple)
audio/x-aiff
aiff aifc
# Microsoft audio
audio/x-wav
wav
# MPEG audio
audio/x-mpeg
abs mpeg
# MPEG-2 audio
audio/x-mpeg-2 mp2a mpa2
# compressed speech (Echo Speech Corp.)
audio/echospeech
# Toolvox speech audio (Voxware)
audio/voxware
# RapidTransit compressed audio (Fast Man)
application/fastmanlcc
# Realaudio (Progressive Networks)
application/x-pn-realaudio ram
# MIDI music data
x-music/x-midi
# Koan music data (SSeyo)
application/vnd.koan
# Speech synthesis data (MVP Solutions)
text/x-speechtalk

# VIDEO TYPES

# MPEG video
video/mpegmpeg mpg mpe
# MPEG-2 video
video/mpeg-2mpv2 mp2v
# Macintosh Quicktime
video/quicktimeqt mov
# Microsoft video
video/x-msvideo avi
# SGI Movie format
video/x-sgi-movie mov
# VDOlive streaming video (VDOnet)
video/vdovdo
# Vivo streaming video (Vivo software)
video/vnd.vivoviv

# SPECIAL HTTP/WEB APPLICATION TYPES

# Proxy autoconfiguration (Netscape browsers)
application/x-ns-proxy-autoconfig pac
# Netscape Cooltalk chat data (Netscape)
x-conference/x-cooltalk ice

# TEXT-RELATED

# PostScript
application/postscript ai eps ps
# Microsoft Rich Text Format
application/rtf rtf
# Adobe Acrobat PDF
application/pdf pdf
# Maker Interchange Format (FrameMaker)
application/vnd.mif mif
# Troff document
application/x-troff tr roff
# Troff document with MAN macros
application/x-troff-man man
# Troff document with ME macros
application/x-troff-meme
# Troff document with MS macros
application/x-troff-msms
# LaTeX document
application/x-latex latex
# Tex/LateX document
application/x-tex
# GNU TexInfo document
application/x-texinfo texi
# TeX dvi format
application/x-dvi
# MS word document
application/msword DOC
# Office Document Architecture
application/oda oda
# Envoy Document
application/envoy evy

# ARCHIVE/COMPRESSED ARCHIVES

# Gnu tar format
application/x-gtar gtar
# 4.3BSD tar format
application/x-tartar
# POSIX tar format
application/x-ustar ustar
# Old CPIO format
application/x-bcpiobeicio
# POSIX CPIO format
application/x-cpio cpio
# UNIX sh shell archive
application/x-shar shar
# DOS/PC - Pkzipped archive
application/zip zip
# Macintosh Binhexed archive
application/mac-binhex40hqx
# Macintosh Stuffit Archive
application/x-stuffit sit sea
# Fractal Image Format
application/fractals fif
# "Binary UUencoded"
application/octet-stream uu
# PC executable
application/octet-stream exe
# "WAIS" "sources"
application/x-wais-sources src wsrc
# NCSA HDF data format
application/hdf hdf

# DOWNLOADABLE PROGRAM/SCRIPTS

# Javascript program
text/javascript js lsmochajavascript
# UNIX bourne shell program
application/x-sh

# UNIX c-shell program
application/x-csh

# Perl program
application/x-perl

# Tcl (Tool Control Language) program
application/x-tcl

# ANIMATION/MULTIMEDIA

# FutureSplash vector animation (FutureWave)
application/futuresplash

# mBED multimedia data (mBED)
application/mbedlet

# PowerMedia multimedia (RadMedia)
application/x-rad-powermedia

# PRESENTATION

# PowerPoint presentation (Microsoft)
application/mspowerpoint

# ASAP WordPower (Software Publishing Corp.)
application/x-asap

# Astound Web Player multimedia data (GoldDisk)
application/astound

# SPECIAL EMBEDDED OBJECT

# OLE script e.g. Visual Basic (Ncompass)
application/x-olescript

# OLE Object (Microsoft/NCompass)
application/x-oleobject

# OpenScape OLE/OCX objects (Business@Web)
x-form/x-openscape

# Visual Basic objects (Amara)
application/x-webbasic

# Specialized data entry forms (Alpha Software)
application/x-alpha-form

# client-server objects (Wayfarer Communications)
x-script/x-wfxclient

# GENERAL APPLICATIONS

# Undefined binary data (often executable progs)
application/octet-stream

# Pointcast news data (Pointcast)
application/x-pcn
# Excel spreadsheet (Microsoft)
application/vnd.ms-excel

# PowerPoint (Microsoft)
application/vnd.ms-powerpoint

# Microsoft Project (Microsoft)
application/vnd.ms-projectmpp

# SourceView document (Dataware Electronics)
application/vnd.svd

# Net Install - software install (20/20 Software)
application/x-net-install

# Carbon Copy - remote control/access (Microcom)
application/ccv

# Spreadsheets (Visual Components)
workbook/formulaone

# 2D/3D DATA/VIRTUAL REALITY TYPES

# VRML data file
x-world/x-vrml

# WIRL - VRML data (VREAM)
x-world/x-vream

# Play3D 3d scene data (Play3D)
application/x-p3d

# Viscape Interactive 3d world data (Superscape)
x-world/x-svrs

# WebActive 3d data (Plastic Thought)
x-world/x-wvr

# QuickDraw3D scene data (Apple)
x-world/x-3dmf

# SCIENTIFIC/MATH/CAD TYPES

# Mathematica notebook
application/mathematica

# Computational meshes for numerical simulations
x-model/x-mesh

# Vis5D 5-dimensional data
application/vis5d

# IGES models -- CAD/CAM (CGM) data
application/iges

# Autocad WHIP vector drawings
drawing/x-dwf

Found in path(s):
* /opt/cola/permits/1137268245_161403244.47/0/spring-context-support-4.3-30-release-sources-1.jar/org/springframework/mail/javamail/mime.types

No license file was found, but licenses were detected in source scan.
/*
 * Copyright 2002-2015 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *       https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/cache/jcache/interceptor/AnnotationJCacheOperationSource.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/cache/guava/GuavaCache.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/cache/jcache/interceptor/DefaultJCacheOperationSource.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2012 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *       https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/scheduling/quartz/JobMethodInvocationFailedException.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/scheduling/commonj/DelegatingTimerListener.java
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1.jar/org/springframework/mail/MailPreparationException.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2020 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268245_1614043244.47/0/spring-context-support-4-3-30-release-sources-1-
/*
 * Copyright 2002-2011 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.

1.245 libxcb 1.13 5.el8
1.245.1 Available under license:

Copyright (C) 2001-2006 Bart Massey, Jamey Sharp, and Josh Triplett.
All Rights Reserved.

Permission is hereby granted, free of charge, to any person
obtaining a copy of this software and associated
documentation files (the "Software"), to deal in the
Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the names of the authors or their institutions shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the authors.

1.246 joda-time 2.9.9
1.246.1 Available under license:

=============================================================================  
= NOTICE file corresponding to section 4d of the Apache License Version 2.0 =  
=============================================================================  
This product includes software developed by Joda.org (http://www.joda.org/).

Apache License  
Version 2.0, January 2004  
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "["]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.247 json-simple 1.1
1.247.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.
"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]
Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.248 jetty-jaspi 9.4.11.v20180605

1.249 mail 1.4.1

1.249.1 Available under license :

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a
Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files
containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this
License.

1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by
the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial
grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing
Original Software or previous Modifications:

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use,
reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.
3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient’s rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE
OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item, as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software. (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.
9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty
protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.
```

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2
Certain source files distributed by Sun Microsystems, Inc. are subject to the following clarification and special exception to the GPL Version 2, but only where Sun has expressly included in the particular source file's header the words

"Sun designates this particular file as subject to the "Classpath" exception as provided by Sun in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

1.250 commons-lang3 2.5
1.250.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Apache Commons Lang
Copyright 2001-2010 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

1.251 bcel 2.6.0
1.251.1 Available under license:

========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the Apache XmiBeans distribution. ==
========================================================================

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Portions of this software were originally based on the following:

Aside from contributions to the Apache XMLBeans project, this software also includes:

- one or more source files from the Apache Xerces-J and Apache Axis products, Copyright (c) 1999-2003 Apache Software Foundation
- W3C XML Schema documents Copyright 2001-2003 (c) World Wide Web Consortium (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University)
- resolver.jar from Apache Xml Commons project, Copyright (c) 2001-2003 Apache Software Foundation
- Piccolo XML Parser for Java from http://piccolo.sourceforge.net/, Copyright 2002 Yuval Oren under the terms of the Apache Software License 2.0
- JSR-173 Streaming API for XML from http://sourceforge.net/projects/xmlpullparser/, Copyright 2005 BEA under the terms of the Apache Software License 2.0

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.252 axis-ant 1.3

1.253 aop-alliance 1.0
1.253.1 Available under license :
   Public Domain

1.254 minizip 1.01
1.254.1 Available under license :
Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization
obtaining a copy of the software and accompanying documentation covered by
this license (the "Software") to use, reproduce, display, distribute,
execute, and transmit the Software, and to prepare derivative works of the
Software, and to permit third-parties to whom the Software is furnished to
do so, all subject to the following:

The copyright notices in the Software and this entire statement, including
the above license grant, this restriction and the following disclaimer,
must be included in all copies of the Software, in whole or in part, and
all derivative works of the Software, unless such copies or derivative
works are solely in the form of machine-executable object code generated by
a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT
SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE
FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE,
 ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER
DEALINGS IN THE SOFTWARE.

1.255 kerberos 1.18.2 5.el8
1.255.1 Available under license :
[ NOTE: MIT has only incorporated the mechglue and spnego change, and
not the incremental propagation changes. The filenames are different
between the Sun and MIT sources. The actual MIT filenames appear in
the top-level README file. Original text of Sun's LICENSE file
follows. ]

Subject to the license set forth below, Sun Microsystems, Inc. donates
the attached files to MIT for the purpose of including these
modifications and additions in future versions of the Kerberos system.

Many of the files attached are subject to licenses issued by other
entities, including OpenVision, MIT, and FundsXpress. See the
individual files, and/or related Readme files, for these licenses.

In addition Sun requires that the license set forth below be
incorporated into any future version of the Kerberos system which
contains portions of the files attached. The following files must be
listed, in the top level Readme file, as being provided subject to such
license:
Sun's License is as follows:

Copyright (c) 2004 Sun Microsystems, Inc.

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright
==========

Copyright © 1985-2020 by the Massachusetts Institute of
Technology and its contributors. All rights reserved.

See :ref:`mitK5license` for additional copyright and license
information.

Copyright (C) 1985-2020 by the Massachusetts Institute of Technology.

All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Downloading of this software may constitute an export of cryptographic
software from the United States of America that is subject to the
United States Export Administration Regulations (EAR), 15 CFR 730-774.
Additional laws or regulations may apply. It is the responsibility of
the person or entity contemplating export to comply with all
applicable export laws and regulations, including obtaining any
required license from the U.S. government.

The U.S. government prohibits export of encryption source code to
certain countries and individuals, including, but not limited to, the
countries of Cuba, Iran, North Korea, Sudan, Syria, and residents and
nationals of those countries.

Documentation components of this software distribution are licensed
under a Creative Commons Attribution-ShareAlike 3.0 Unported License.
(https://creativecommons.org/licenses/by-sa/3.0/)

Individual source code files are copyright MIT, Cygnus Support,
Novell, OpenVision Technologies, Oracle, Red Hat, Sun Microsystems,
FundsXpress, and others.

Project Athena, Athena, Athena MUSE, Discuss, Hesiod, Kerberos, Moira,
and Zephyr are trademarks of the Massachusetts Institute of Technology
(MIT). No commercial use of these trademarks may be made without
prior written permission of MIT.

"Commercial use" means use of a name in a product or other for-profit
manner. It does NOT prevent a commercial firm from referring to the
MIT trademarks in order to convey information (although in doing so,
recognition of their trademark status should be given).

======================================================================
The following copyright and permission notice applies to the
OpenVision Kerberos Administration system located in "kadmin/create",
"kadmin/dbutil", "kadmin/passwd", "kadmin/server", "lib/kadm5", and
portions of "lib/rpc":

Open Source Used In CSPC_Collector 2.9.1 2273
WARNING: Retrieving the OpenVision Kerberos Administration system source code, as described below, indicates your acceptance of the following terms. If you do not agree to the following terms, do not retrieve the OpenVision Kerberos administration system.

You may freely use and distribute the Source Code and Object Code compiled from it, with or without modification, but this Source Code is provided to you "AS IS" EXCLUSIVE OF ANY WARRANTY, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, WHETHER EXPRESS OR IMPLIED. IN NO EVENT WILL OPENVISION HAVE ANY LIABILITY FOR ANY LOST PROFITS, LOSS OF DATA OR COSTS OF PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES, OR FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THIS AGREEMENT, INCLUDING, WITHOUT LIMITATION, THOSE RESULTING FROM THE USE OF THE SOURCE CODE, OR THE FAILURE OF THE SOURCE CODE TO PERFORM, OR FOR ANY OTHER REASON.

OpenVision retains all copyrights in the donated Source Code. OpenVision also retains copyright to derivative works of the Source Code, whether created by OpenVision or by a third party. The OpenVision copyright notice must be preserved if derivative works are made based on the donated Source Code.

OpenVision Technologies, Inc. has donated this Kerberos Administration system to MIT for inclusion in the standard Kerberos 5 distribution. This donation underscores our commitment to continuing Kerberos technology development and our gratitude for the valuable work which has been performed by MIT and the Kerberos community.

======================================================================
Portions contributed by Matt Crawford "crawdad@fnal.gov" were work performed at Fermi National Accelerator Laboratory, which is operated by Universities Research Association, Inc., under contract DE-AC02-76CHO3000 with the U.S. Department of Energy.

======================================================================

Portions of "src/lib/crypto" have the following copyright:

Copyright (C) 1998 by the FundsXpress, INC.

All rights reserved.
Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of FundsXpress, not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. FundsXpress makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

======================================================================

The implementation of the AES encryption algorithm in "src/lib/crypto/builtin/aes" has the following copyright:

Copyright (C) 2001, Dr Brian Gladman "brg@gladman.uk.net", Worcester, UK.
All rights reserved.

LICENSE TERMS

The free distribution and use of this software in both source and binary form is allowed (with or without changes) provided that:

1. distributions of this source code include the above copyright notice, this list of conditions and the following disclaimer;

2. distributions in binary form include the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other associated materials;

3. the copyright holder's name is not used to endorse products built using this software without specific written permission.

DISCLAIMER

This software is provided 'as is' with no explicit or implied
warranties in respect of any properties, including, but not limited to, correctness and fitness for purpose.

======================================================================

Portions contributed by Red Hat, including the pre-authentication plug-in framework and the NSS crypto implementation, contain the following copyright:

Copyright (C) 2006 Red Hat, Inc.
Portions copyright (C) 2006 Massachusetts Institute of Technology
All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Red Hat, Inc., nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The bundled verto source code is subject to the following license:

Copyright 2011 Red Hat, Inc.
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the “Software”), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

The MS-KKDCP client implementation has the following copyright:

Copyright 2013,2014 Red Hat, Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
"src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

are subject to the following license:

Copyright (C) 2004 Sun Microsystems, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================

Kerberos V5 includes documentation and software developed at the University of California at Berkeley, which includes this copyright notice:

Copyright (C) 1983 Regents of the University of California.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Open Source Used In CSPC_Collector 2.9.1  2279
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Portions contributed by Novell, Inc., including the LDAP database backend, are subject to the following license:

Copyright (C) 2004-2005, Novell, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* The copyright holder's name is not used to endorse or promote
products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Portions funded by Sandia National Laboratory and developed by the University of Michigan's Center for Information Technology Integration, including the PKINIT implementation, are subject to the following license:

COPYRIGHT (C) 2006-2007
THE REGENTS OF THE UNIVERSITY OF MICHIGAN
ALL RIGHTS RESERVED

Permission is granted to use, copy, create derivative works and redistribute this software and such derivative works for any purpose, so long as the name of The University of Michigan is not used in any advertising or publicity pertaining to the use of distribution of this software without specific, written prior authorization. If the above copyright notice or any other identification of the University of Michigan is included in any copy of any portion of this software, then the disclaimer below must also be included.

THIS SOFTWARE IS PROVIDED AS IS, WITHOUT REPRESENTATION FROM THE UNIVERSITY OF MICHIGAN AS TO ITS FITNESS FOR ANY PURPOSE, AND WITHOUT WARRANTY BY THE UNIVERSITY OF MICHIGAN OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE REGENTS OF THE UNIVERSITY OF MICHIGAN SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WITH RESPECT TO ANY CLAIM ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE SOFTWARE, EVEN IF IT HAS BEEN OR IS HEREAFTER ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
The pkcs11.h file included in the PKINIT code has the following license:

Copyright 2006 g10 Code GmbH
Copyright 2006 Andreas Jellinghaus

This file is free software; as a special exception the author gives unlimited permission to copy and/or distribute it, with or without modifications, as long as this notice is preserved.

This file is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, to the extent permitted by law; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

Portions contributed by Apple Inc. are subject to the following license:

Copyright 2004-2008 Apple Inc. All Rights Reserved.

Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Apple Inc. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Apple Inc. makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The implementations of UTF-8 string handling in src/util/support and src/lib/krb5/unicode are subject to the following copyright and
permission notice:

The OpenLDAP Public License
Version 2.8, 17 August 2003

Redistribution and use of this software and associated
documentation ("Software"), with or without modification, are
permitted provided that the following conditions are met:

1. Redistributions in source form must retain copyright
   statements and notices.

2. Redistributions in binary form must reproduce applicable
copyright statements and notices, this list of conditions, and
   the following disclaimer in the documentation and/or other
   materials provided with the distribution, and

3. Redistributions must contain a verbatim copy of this
document.

The OpenLDAP Foundation may revise this license from time to time.
Each revision is distinguished by a version number. You may use
this Software under terms of this license revision or under the
terms of any subsequent revision of the license.

THIS SOFTWARE IS PROVIDED BY THE OPENLDAP FOUNDATION AND ITS
CONTRIBUTORS "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE OPENLDAP FOUNDATION, ITS
CONTRIBUTORS, OR THE AUTHOR(S) OR OWNER(S) OF THE SOFTWARE BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE
USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH
DAMAGE.

The names of the authors and copyright holders must not be used in
advertising or otherwise to promote the sale, use or other dealing
in this Software without specific, written prior permission. Title
to copyright in this Software shall at all times remain with
copyright holders.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.
Marked test programs in src/lib/krb5/krb have the following copyright:

Copyright (C) 2006 Kungliga Tekniska Hgskola
(Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of KTH nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY KTH AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL KTH OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The KCM Mach RPC definition file used on macOS has the following copyright:

Copyright (C) 2009 Kungliga Tekniska Hgskola
(Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Portions Copyright (C) 2009 Apple Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the Institute nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

================================================================================

Portions of the RPC implementation in src/lib/rpc and src/include/gssrpc have the following copyright and permission notice:

Copyright (C) 2010, Oracle America, Inc.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the "Oracle America, Inc." nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Copyright (C) 2006,2007,2009 NTT (Nippon Telegraph and Telephone Corporation). All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer as the first lines of this file unmodified.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY NTT "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL NTT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Copyright 2000 by Carnegie Mellon University

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Carnegie Mellon University not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL CARNEGIE MELLON UNIVERSITY BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

======================================================================

Copyright (C) 2002 Naval Research Laboratory (NRL/CCS)

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof.

NRL ALLOWS FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION AND DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

======================================================================

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Cygnus Support makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

======================================================================

Copyright (C) 2006 Secure Endpoints Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================

Portions of the implementation of the Fortuna-like PRNG are subject to the following notice:

Copyright (C) 2005 Marko Kreen
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (C) 1994 by the University of Southern California

EXPORT OF THIS SOFTWARE from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to copy, modify, and distribute this software and its documentation in source and binary forms is hereby granted, provided that any documentation or other materials related to such distribution or use acknowledge that the software was developed by the University of Southern California.

DISCLAIMER OF WARRANTY. THIS SOFTWARE IS PROVIDED "AS IS". The University of Southern California MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. By way of example, but not limitation, the University of Southern California MAKES NO REPRESENTATIONS OR WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. The University of Southern California shall not be held liable for any liability nor for any direct, indirect, or consequential damages with respect to any claim by the user or distributor of the ksu software.

======================================================================

Copyright (C) 1995
The President and Fellows of Harvard University

This code is derived from software contributed to Harvard by Jeremy Rassen.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgement:

   This product includes software developed by the University of California, Berkeley and its contributors.

4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Copyright (C) 2008 by the Massachusetts Institute of Technology.
Copyright 1995 by Richard P. Basch. All Rights Reserved.
Copyright 1995 by Lehman Brothers, Inc. All Rights Reserved.

Export of this software from the United States of America may
require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Richard P. Basch, Lehman Brothers and M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Richard P. Basch, Lehman Brothers and M.I.T. make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

======================================================================

The following notice applies to "src/lib/krb5/krb/strptime.c" and "src/include/k5-queue.h".

Copyright (C) 1997, 1998 The NetBSD Foundation, Inc.
All rights reserved.

This code was contributed to The NetBSD Foundation by Klaus Klein.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgement:

   This product includes software developed by the NetBSD Foundation, Inc. and its contributors.

4. Neither the name of The NetBSD Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written
permission.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND
CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE
USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH
DAMAGE.

======================================================================
The following notice applies to Unicode library files in
"src/lib/krb5/unicode":

Copyright 1997, 1998, 1999 Computing Research Labs,
New Mexico State University

Permission is hereby granted, free of charge, to any person
obtaining a copy of this software and associated documentation
files (the "Software"), to deal in the Software without
restriction, including without limitation the rights to use, copy,
modify, merge, publish, distribute, sublicense, and/or sell copies
of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE COMPUTING RESEARCH LAB OR
NEW MEXICO STATE UNIVERSITY BE LIABLE FOR ANY CLAIM, DAMAGES OR
OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR
 OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE
OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================
The following notice applies to "src/util/support/strlcpy.c":

Open Source Used In CSPC_Collector 2.9.1 2292
Copyright (C) 1998 Todd C. Miller "Todd.Miller@courtesan.com"

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

======================================================================
The following notice applies to "src/util/profile/argv_parse.c" and "src/util/profile/argv_parse.h":

Copyright 1999 by Theodore Ts'o.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND THEODORE TS'O (THE AUTHOR) DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. (Isn't it sick that the U.S. culture of lawsuit-happy lawyers requires this kind of disclaimer?)

======================================================================
The following notice applies to SWIG-generated code in "src/util/profile/profile_tcl.c":

Copyright (C) 1999-2000, The University of Chicago

This file may be freely redistributed without license or fee provided this copyright message remains intact.

======================================================================
The following notice applies to portions of "src/lib/rpc" and "src/include/gssrpc":

Copyright (C) 2000 The Regents of the University of Michigan. All rights reserved.

Copyright (C) 2000 Dug Song "dugsong@UMICH.EDU". All rights reserved, all wrongs reversed.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================
Implementations of the MD4 algorithm are subject to the following notice:

Copyright (C) 1990, RSA Data Security, Inc. All rights reserved.

License to copy and use this software is granted provided that it
is identified as the "RSA Data Security, Inc. MD4 Message Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD4 Message Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

======================================================================

Implementations of the MD5 algorithm are subject to the following notice:

Copyright (C) 1990, RSA Data Security, Inc. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

======================================================================

The following notice applies to "src/lib/crypto/crypto_tests/t_mddriver.c":

Copyright (C) 1990-2, RSA Data Security, Inc. Created 1990. All
RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

======================================================================
Portions of "src/lib/krb5" are subject to the following notice:

Copyright (C) 1994 CyberSAFE Corporation.
All Rights Reserved.

Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Furthermore if you modify this software you must label your software as modified software and not distribute it in such a fashion that it might be confused with the original M.I.T. software. Neither M.I.T., the Open Computing Security Group, nor CyberSAFE Corporation make any representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

======================================================================
Portions contributed by PADL Software are subject to the following license:

Copyright (c) 2011, PADL Software Pty Ltd. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of PADL Software nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY PADL SOFTWARE AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL PADL SOFTWARE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The bundled libev source code is subject to the following license:

All files in libev are Copyright (C)2007,2008,2009 Marc Alexander Lehmann.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Alternatively, the contents of this package may be used under the terms of the GNU General Public License ("GPL") version 2 or any later version, in which case the provisions of the GPL are applicable instead of the above. If you wish to allow the use of your version of this package only under the terms of the GPL and not to allow others to use your version of this file under the BSD license, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the GPL in this and the other files of this package. If you do not delete the provisions above, a recipient may use your version of this file under either the BSD or the GPL.

======================================================================

Files copied from the Intel AESNI Sample Library are subject to the following license:

Copyright (C) 2010, Intel Corporation All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Intel Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The following notice applies to
"src/ccapi/common/win/OldCC/autolock.hxx":

Copyright (C) 1998 by Danilo Almeida. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================
The following notice applies to portions of
"src/plugins/preauth/spake/edwards25519.c" and
"src/plugins/preauth/spake/edwards25519_tables.h":

The MIT License (MIT)

Copyright (c) 2015-2016 the fiat-crypto authors (see the AUTHORS file).

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================

The following notice applies to portions of
"src/plugins/preauth/spake/edwards25519.c":

Copyright (c) 2015-2016, Google Inc.

Permission to use, copy, modify, and/or distribute this software for
any purpose with or without fee is hereby granted, provided that the
above copyright notice and this permission notice appear in all
copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL
WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE
AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL
DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR
PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THIS SOFTWARE.
1.256 cifs-utils 6.8 3.el8

1.256.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program— to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this
License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7
additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or
author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a)
provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may
not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.
If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the
14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.

Open Source Used In CSPC_Collector 2.9.1 2314
This is free software, and you are welcome to redistribute it under certain conditions; type `show c` for details.

The hypothetical commands `show w` and `show c` should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.257 perl-constant 1.33-396.el8

1.257.1 Available under license:

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548089_1591379339.64/0/perl-constant-1.33-396.el8.src.rpm-cosi-expand-archive-m15loNwe/perl-constant.spec

No license file was found, but licenses were detected in source scan.

---
abstract: 'Perl pragma to declare constants'
author:
  - 'SÁ®bastien Aperghis-Tramoni <sebastien@aperghis.net>'
build_requires:
  Test::More: 0
configure_requires:
  Module::Build: 0.2808
dynamic_config: 1
generated_by: 'Module::Build version 0.4003, CPAN::Meta::Converter version 2.120921'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: constant
provides:
constant:
  file: lib/constant.pm
  version: 1.27
resources:
  license: http://dev.perl.org/licenses/
  version: 1.27

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1009548089_1591379339.64/0/perl-constant-1.33-396.el8.src.rpm-cosi-expand-archive-m15loNwe/constant-1.27.tar.gz-cosi-expand-archive-jvagHUvh/constant-1.27/META.yml
No license file was found, but licenses were detected in source scan.

=head1 NAME

constant - Perl pragma to declare constants

=head1 SYNOPSIS

use constant PI    => 4 * atan2(1, 1);
use constant DEBUG => 0;

print "Pi equals ", PI, "...\n" if DEBUG;

use constant {
  SEC  => 0,
  MIN  => 1,
  HOUR => 2,
  MDAY => 3,
  MON  => 4,
  YEAR => 5,
  WDAY => 6,
  YDAY => 7,
  ISDST=> 8,
};

use constant WEEKDAYS => qw(
  Sunday Monday Tuesday Wednesday Thursday Friday Saturday
);}

print "Today is ", (WEEKDAYS)[ (localtime)[WDAY] ], ",\n";

=head1 DESCRIPTION

This pragma allows you to declare constants at compile-time.

When you declare a constant such as C<PI> using the method shown
above, each machine your script runs upon can have as many digits
of accuracy as it can use. Also, your program will be easier to
read, more likely to be maintained (and maintained correctly), and far less likely to send a space probe to the wrong planet because nobody noticed the one equation in which you wrote C<3.14195>.

When a constant is used in an expression, Perl replaces it with its value at compile time, and may then optimize the expression further. In particular, any code in an C<if (CONSTANT)> block will be optimized away if the constant is false.

=head1 NOTES

As with all C<use> directives, defining a constant happens at compile time. Thus, it's probably not correct to put a constant declaration inside of a conditional statement (like C<if ($foo) {
 use constant ... >}).

Constants defined using this module cannot be interpolated into strings like variables. However, concatenation works just fine:

    print "Pi equals PI...\n"; # WRONG: does not expand "PI"
    print "Pi equals .PI...\n"; # right

Even though a reference may be declared as a constant, the reference may point to data which may be changed, as this code shows.

    use constant ARRAY => [ 1,2,3,4 ];
    print ARRAY->[1];
    ARRAY->[1] = " be changed";
    print ARRAY->[1];

Dereferencing constant references incorrectly (such as using an array subscript on a constant hash reference, or vice versa) will be trapped at compile time.

Constants belong to the package they are defined in. To refer to a constant defined in another package, specify the full package name, as in C<Some::Package::CONSTANT>. Constants may be exported by modules, and may also be called as either class or instance methods, that is, as C< Some::Package->CONSTANT >> or as C<$obj->CONSTANT >> where C<$obj> is an instance of C<Some::Package>. Subclasses may define their own constants to override those in their base class.

The use of all caps for constant names is merely a convention, although it is recommended in order to make constants stand out and to help avoid collisions with other barewords, keywords, and subroutine names. Constant names must begin with a letter or underscore. Names beginning with a double underscore are reserved. Some poor choices for names will generate warnings, if warnings are enabled at
=head2 List constants

Constants may be lists of more (or less) than one value. A constant with no values evaluates to C<undef> in scalar context. Note that constants with more than one value do I<not> return their last value in scalar context as one might expect. They currently return the number of values, but B<this may change in the future>. Do not use constants with multiple values in scalar context.

B<NOTE:> This implies that the expression defining the value of a constant is evaluated in list context. This may produce surprises:

    use constant TIMESTAMP => localtime;       # WRONG!
    use constant TIMESTAMP => scalar localtime; # right

The first line above defines C<TIMESTAMP> as a 9-element list, as returned by C<localtime()> in list context. To set it to the string returned by C<localtime()> in scalar context, an explicit C<scalar> keyword is required.

List constants are lists, not arrays. To index or slice them, they must be placed in parentheses.

    my @workdays = WEEKDAYS[1 .. 5];            # WRONG!
    my @workdays = (WEEKDAYS)[1 .. 5];          # right

=head2 Defining multiple constants at once

Instead of writing multiple C<use constant> statements, you may define multiple constants in a single statement by giving, instead of the constant name, a reference to a hash where the keys are the names of the constants to be defined. Obviously, all constants defined using this method must have a single value.

    use constant {
        FOO => "A single value",
        BAR => "This", "won't", "work!", # Error!
    };

This is a fundamental limitation of the way hashes are constructed in Perl. The error messages produced when this happens will often be quite cryptic -- in the worst case there may be none at all, and you'll only later find that something is broken.

When defining multiple constants, you cannot use the values of other constants defined in the same declaration. This is because the
calling package doesn't know about any constant within that group
until I<after> the C<use> statement is finished.

use constant {
    BITMASK => 0xAFBAEBA8,
    NEGMASK => ~BITMASK,    # Error!
};

=head2 Magic constants

Magical values and references can be made into constants at compile
time, allowing for way cool stuff like this. (These error numbers
aren't totally portable, alas.)

use constant E2BIG => ($! = 7);
print E2BIG, "\n";       # something like "Arg list too long"
print 0+E2BIG, "\n";    # "7"

You can't produce a tied constant by giving a tied scalar as the
value. References to tied variables, however, can be used as
constants without any problems.

=head1 TECHNICAL NOTES

In the current implementation, scalar constants are actually
inlinable subroutines. As of version 5.004 of Perl, the appropriate
scalar constant is inserted directly in place of some subroutine
calls, thereby saving the overhead of a subroutine call. See
L<perlsub/"Constant Functions"> for details about how and when this
happens.

In the rare case in which you need to discover at run time whether a
particular constant has been declared via this module, you may use
this function to examine the hash C<%constant::declared>. If the given
constant name does not include a package name, the current package is
used.

sub declared ($) {
    use constant 1.01;    # don't omit this!
    my $name = shift;
    $name =~/^::/ main::/;
    my $pkg = caller;
    my $full_name = $name =~ /::/ ? $name : "$pkg:$name";
    $constant::declared{$full_name};
}

=head1 CAVEATS
In the current version of Perl, list constants are not inlined and some symbols may be redefined without generating a warning.

It is not possible to have a subroutine or a keyword with the same name as a constant in the same package. This is probably a Good Thing.

A constant with a name in the list `STDIN STDOUT STDERR ARGV ARGVOUT ENV INC SIG` is not allowed anywhere but in package `main::`, for technical reasons.

Unlike constants in some languages, these cannot be overridden on the command line or via environment variables.

You can get into trouble if you use constants in a context which automatically quotes barewords (as is true for any subroutine call). For example, you can’t say `$hash{CONSTANT}` because `CONSTANT` will be interpreted as a string. Use `$hash{CONSTANT()}` or `$hash{+CONSTANT}` to prevent the bareword quoting mechanism from kicking in. Similarly, since the `<< =>>` operator quotes a bareword immediately to its left, you have to say `<< CONSTANT() => 'value' >>` (or simply use a comma in place of the big arrow) instead of `<< CONSTANT => 'value' >>`.

=head1 SEE ALSO

L<Readonly> - Facility for creating read-only scalars, arrays, hashes.

L<Attribute::Constant> - Make read-only variables via attribute

L<Scalar::Readonly> - Perl extension to the C<SvREADONLY> scalar flag

L<Hash::Util> - A selection of general-utility hash subroutines (mostly to lock/unlock keys and values)

=head1 BUGS

Please report any bugs or feature requests via the perlbug(1) utility.

=head1 AUTHORS

Tom Phoenix, <rootbeer@redcat.com>, with help from many other folks.

Multiple constant declarations at once added by Casey West, <casey@geeknest.com>.

Documentation mostly rewritten by Ilmari Karonen, <perl@itz.pp.sci.fi>.
This program is maintained by the Perl 5 Porters. The CPAN distribution is maintained by Sébastien Aperghis-Tramoni
E-mail: sebastien@aperghis.net.

=head1 COPYRIGHT & LICENSE

Copyright (C) 1997, 1999 Tom Phoenix

This module is free software; you can redistribute it or modify it under the same terms as Perl itself.

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548089_1591379339.64/0/perl-constant-1.33-396.el8.src.rpm-cosi-expand-archive-m15loNwe/constant-1.27.tar.gz-cosi-expand-archive-jvagHUVh/constant-1.27/lib/constant.pm

No license file was found, but licenses were detected in source scan.

=begin

NAME

constant - Perl pragma to declare constants

DESCRIPTION

This pragma allows you to declare constants at compile-time.

When a constant is used in an expression, Perl replaces it with its value at compile time, and may then optimize the expression further. In particular, any code in an "if (CONSTANT)" block will be optimized away if the constant is false.

INSTALLATION

To install this module, run the following commands:

perl Makefile.PL
make
make test
make install

Alternatively, to install with Module::Build, you can use the following commands:

perl Build.PL
./Build
SUPPORT AND DOCUMENTATION

After installing, you can find documentation for this module with the perldoc command.

perldoc constant

You can also look for information at:

Search CPAN
http://search.cpan.org/dist/constant

CPAN Request Tracker:
http://rt.cpan.org/Dist/Display.html?Name=constant

AnnoCPAN, annotated CPAN documentation:
http://annocpan.org/dist/constant

CPAN Ratings:
http://cpanratings.perl.org/d/constant

COPYRIGHT AND LICENCE

Copyright (C) 1997, 1999 Tom Phoenix.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548089_1591379339.64/0/perl-constant-1.33-396.el8.src.rpm-cosi-expand-archive-m15loNwe/constant-1.27.tar.gz-cosi-expand-archive-jvagHUVh/constant-1.27/README

1.258 perl-bytes-random-secure 0.29-1.gf.el8

1.258.1 Available under license:
Found license 'General Public License 2.0' in 'This program is free software; you can redistribute it and/or modify it under the terms of either: the GNU General Public License as published by the Free Software Foundation; or the Artistic License.'
1.259 tomcat 7.0.70

1.259.1 Available under license:

Apache Tomcat Native Library
Copyright 2002-2019 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

This software contains code derived from netty-native
developed by the Netty project
(http://netty.io, https://github.com/netty/netty-tcnative/)
and from finagle-native developed at Twitter

Apache Tomcat Native Library
Copyright 2002-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

This software contains code derived from netty-native
developed by the Netty project
(http://netty.io, https://github.com/netty/netty-tcnative/)
and from finagle-native developed at Twitter

This product includes software developed by the OpenSSL Project
for use in the OpenSSL Toolkit. (http://www.openssl.org/)

This product includes cryptographic software written by
Eric Young (eay@cryptsoft.com)

This product includes software written by
Tim Hudson (tjh@cryptsoft.com)

Apache Standard Taglib Specification API
Copyright 2001-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of,
"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]
Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

APACHE TOMCAT SUBCOMPONENTS:

Apache Tomcat includes a number of subcomponents with separate copyright notices
and license terms. Your use of these subcomponents is subject to the terms and
conditions of the following licenses.

For the following XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes
to the creation of Modifications.
1.2. Contributor Version. means the combination of the Original Software, 
   prior Modifications used by a Contributor (if any), and the 
   Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, 
   or (c) the combination of files containing Original Software with files 
   containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source 
   Code.

1.5. Initial Developer. means the individual or entity that first makes 
   Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions 
   thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent 
   possible, whether at the time of the initial grant or subsequently 
   acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the 
   following:

   A. Any file that results from an addition to, deletion from or 
      modification of the contents of a file containing Original Software 
      or previous Modifications;

   B. Any new file that contains any part of the Original Software or 
      previous Modification; or

   C. Any new file that is contributed or otherwise made available under 
      the terms of this License.

1.10. Original Software. means the Source Code and Executable form of 
      computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter 
      acquired, including without limitation, method, process, and apparatus 
      claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in 
      which modifications are made and (b) associated documentation included 
      in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising
rights under, and complying with all of the terms of, this License. For legal entities, You includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, control means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted:
(1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis,
with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted:
(1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered
Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under
which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as .Participant.) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not
the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a .commercial item., as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of .commercial computer software. (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction
specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys, fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed...
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the

Open Source Used in CSPC_Collector 2.9.1 2342
Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

For OpenSSL:

LICENSE ISSUES

==========
The OpenSSL toolkit stays under a double license, i.e. both the conditions of
the OpenSSL License and the original SSLeay license apply to the toolkit.
See below for the actual license texts.

OpenSSL License
-------------

/* ====================================================================
 * Copyright (c) 1998-2018 The OpenSSL Project.  All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 *
 * 3. All advertising materials mentioning features or use of this
 *    software must display the following acknowledgment:
 *    "This product includes software developed by the OpenSSL Project
 *    for use in the OpenSSL Toolkit. (http://www.openssl.org/)
 *
 * 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
 *    endorse or promote products derived from this software without
 *    prior written permission. For written permission, please contact
 *    openssl-core@openssl.org.
 *
 * 5. Products derived from this software may not be called "OpenSSL"
 *    nor may "OpenSSL" appear in their names without prior written
 *    permission of the OpenSSL Project.
 *
 * 6. Redistributions of any form whatsoever must retain the following
 *    acknowledgment:
 *    "This product includes software developed by the OpenSSL Project
 *    for use in the OpenSSL Toolkit (http://www.openssl.org/)
 *
 * THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY
 * EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
 * PURPOSE ARE DISCLAIMED.  IN NO EVENT SHALL THE OpenSSL PROJECT OR
 * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
 * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT

Open Source Used In CSPC_Collector 2.9.1 2344
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
* STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
* OF THE POSSIBILITY OF SUCH DAMAGE.
* ====================================================================
* This product includes cryptographic software written by Eric Young
* (eay@cryptsoft.com). This product includes software written by Tim
* Hudson (tjh@cryptsoft.com).
* */

Original SSLeay License
-----------------------

/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
 * All rights reserved.
 *
 * This package is an SSL implementation written
 * by Eric Young (eay@cryptsoft.com).
 * The implementation was written so as to conform with Netscape's SSL.
 *
 * This library is free for commercial and non-commercial use as long as
 * the following conditions are ahered to. The following conditions
 * apply to all code found in this distribution, be it the RC4, RSA,
 * lhash, DES, etc., code; not just the SSL code. The SSL documentation
 * included with this distribution is covered by the same copyright terms
 * except that the holder is Tim Hudson (tjh@cryptsoft.com).
 *
 * Copyright remains Eric Young's, and as such any Copyright notices in
 * the code are not to be removed.
 * If this package is used in a product, Eric Young should be given attribution
 * as the author of the parts of the library used.
 * This can be in the form of a textual message at program startup or
 * in documentation (online or textual) provided with the package.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
 * documentation and/or other materials provided with the distribution.
 * 3. All advertising materials mentioning features or use of this software
 * must display the following acknowledgement:
This product includes cryptographic software written by
Eric Young (eay@cryptsoft.com)
The word 'cryptographic' can be left out if the routines from the library
being used are not cryptographic related :-).
4. If you include any Windows specific code (or a derivative thereof) from
the apps directory (application code) you must include an acknowledgement:
"This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

The licence and distribution terms for any publically available version or
derivative of this code cannot be changed. i.e. this code cannot simply be
copied and put under another distribution licence
[including the GNU Public Licence.]

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

 http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
Apache Commons Daemon
Copyright 1999-2019 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner.
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Apache Standard Taglib Implementation
Copyright 2001-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Apache Tomcat
Copyright 1999-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (https://www.apache.org/).

This software contains code derived from netty-native
developed by the Netty project
and from finagle-native developed at Twitter

The Windows Installer is built with the Nullsoft
Scriptable Install System (NSIS), which is
open source software. The original software and
related information is available at

Java compilation software for JSP pages is provided by the Eclipse
JDT Core Batch Compiler component, which is open source software.
The original software and related information is available at
https://www.eclipse.org/jdt/core/.

For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration
The org.apache.tomcat.jni and the org.apache.tomcat.net.openssl packages
are derivative work originating from the Netty project and the finagle-native
project developed at Twitter
* Copyright 2014 The Netty Project
* Copyright 2014 Twitter

The original XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd

may be obtained from:

Apache Tomcat
Copyright 1999-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

The original XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd

may be obtained from:

Apache Tomcat JDBC Pool
Copyright 2008-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.
"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
    Derivative Works a copy of this License; and
(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
You may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

---

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work.
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

APACHE TOMCAT SUBCOMPONENTS:

Apache Tomcat includes a number of subcomponents with separate copyright notices and license terms. Your use of these subcomponents is subject to the terms and conditions of the following licenses.

For the Eclipse JDT Core Batch Compiler (ecj-x.x.x.jar) component:

Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and
ii) additions to the Program;

where such changes and/or additions to the Program originate from and are
distributed by that particular Contributor. A Contribution 'originates' from a
Contributor if it was added to the Program by such Contributor itself or anyone
acting on such Contributor's behalf. Contributions do not include additions to
the Program which: (i) are separate modules of software distributed in
conjunction with the Program under their own license agreement, and (ii) are not
derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are
necessarily infringed by the use or sale of its Contribution alone or when
combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement,
including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants
Recipient a non-exclusive, worldwide, royalty-free copyright license to
reproduce, prepare derivative works of, publicly display, publicly perform,
distribute and sublicense the Contribution of such Contributor, if any, and such
derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants
Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed
Patents to make, use, sell, offer to sell, import and otherwise transfer the
Contribution of such Contributor, if any, in source code and object code form.
This patent license shall apply to the combination of the Contribution and the
Program if, at the time the Contribution is added by the Contributor, such
addition of the Contribution causes such combination to be covered by the
Licensed Patents. The patent license shall not apply to any other combinations
which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to
its Contributions set forth herein, no assurances are provided by any
Contributor that the Program does not infringe the patent or other intellectual
property rights of any other entity. Each Contributor disclaims any liability to
Recipient for claims brought by any other entity based on infringement of
intellectual property rights or otherwise. As a condition to exercising the
rights and licenses granted hereunder, each Recipient hereby assumes sole
responsibility to secure any other intellectual property rights needed, if any.
For example, if a third party patent license is required to allow Recipient to
distribute the Program, it is Recipient's responsibility to acquire that license
before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright
rights in its Contribution, if any, to grant the copyright license set forth in
this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its
own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and
conditions, express and implied, including warranties or conditions of title and
non-infringement, and implied warranties or conditions of merchantability and
fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for
damages, including direct, indirect, special, incidental and consequential
damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by
that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor,
and informs licensees how to obtain it in a reasonable manner on or through a
medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the
Program.

Each Contributor must identify itself as the originator of its Contribution, if
any, in a manner that reasonably allows subsequent Recipients to identify the
originator of the Contribution.

4. COMMERCIAL DISTRIBUTION
Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor (“Commercial Contributor”) hereby agrees to defend and indemnify every other Contributor (“Indemnified Contributor”) against any losses, damages and costs (collectively “Losses”) arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement , including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year
after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

For the Windows Installer component:

* All NSIS source code, plug-ins, documentation, examples, header files and graphics, with the exception of the compression modules and where otherwise noted, are licensed under the zlib/libpng license.
* The zlib compression module for NSIS is licensed under the zlib/libpng license.
* The bzip2 compression module for NSIS is licensed under the bzip2 license.
* The lzma compression module for NSIS is licensed under the Common Public License version 1.0.

zlib/libpng license

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

bzip2 license

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, Cambridge, UK.

jseward@acm.org

Common Public License version 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution” means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor” means any person or entity that distributes the Program.

"Licensed Patents ” mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program” means the Contributions distributed in accordance with this Agreement.
"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and
conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor (“Commercial Contributor”) hereby agrees to defend and indemnify every other Contributor (“Indemnified Contributor”) against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in
any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program
itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

Special exception for LZMA compression module

Igor Pavlov and Amir Szekely, the authors of the LZMA compression module for NSIS, expressly permit you to statically or dynamically link your code (or bind by name) to the files from the LZMA compression module for NSIS without subjecting your linked code to the terms of the Common Public license version 1.0. Any modifications or additions to files from the LZMA compression module for NSIS, however, are subject to the terms of the Common Public License version 1.0.

For the following XML Schemas for Java EE Deployment Descriptors:
COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.
1.9. Modifications. means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of
Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted:
(1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted:
(1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of
3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients’ rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient’s rights in the Source Code form from the rights set forth in this License. If You
distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS,
MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as a Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF
SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a .commercial item., as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of .commercial computer software. (as that term is defined at 48 C.F.R. ? 252.227-7014(a)(1)) and commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any
admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

1.260 commons-pool 1.4
1.260.1 Available under license :
Apache Commons Pool
Copyright 1999-2008 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
   that You distribute, all copyright, patent, trademark, and
   attribution notices from the Source form of the Work,
   excluding those notices that do not pertain to any part of
   the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
   distribution, then any Derivative Works that You distribute must
   include a readable copy of the attribution notices contained
   within such NOTICE file, excluding those notices that do not
   pertain to any part of the Derivative Works, in at least one
   of the following places: within a NOTICE text file distributed
   as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.261 iscsi-initiator-utils 6.2.0.877
1.gitf71581b.el8
1.261.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.
This program is distributed in the hope that it will be useful, 
but WITHOUT ANY WARRANTY; without even the implied warranty of 
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the 
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along 
with this program; if not, write to the Free Software Foundation, Inc., 
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this 
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author 
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. 
This is free software, and you are welcome to redistribute it 
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate 
parts of the General Public License. Of course, the commands you use may 
be called something other than `show w' and `show c'; they could even be 
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your 
school, if any, to sign a "copyright disclaimer" for the program, if 
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into 
proprietary programs. If your program is a subroutine library, you may 
consider it more useful to permit linking proprietary applications with the 
library. If this is what you want to do, use the GNU Lesser General 
Public License instead of this License.

1.262 commons-dbcp 1.4
1.262.1 Available under license : 
Apache Commons DBCP
Copyright 2001-2010 The Apache Software Foundation
This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of,
"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]
Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.263 activemq-jms-pool 5.15.14
1.263.1 Available under license:

ActiveMQ :: Generic JMS Pool
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.264 xalan 2.7.0

1.264.1 Available under license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
1.265 crda 3.18_2018.05.31 3.el8

1.265.1 Available under license:

Copyright (c) 2008, Luis R. Rodriguez <mcgrof@gmail.com>
Copyright (c) 2008, Johannes Berg <johannes@sipsolutions.net>
Copyright (c) 2008, Michael Green <Michael.Green@Atheros.com>

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

This package was debianized by Luis Rodriguez <mcgrof@gmail.com> on Thu, 22 Jan 2009 16:00:00 +0100.

The wireless-regdb packages was downloaded from <http://wireless.kernel.org/download/wireless-regdb/>

Copyright (c) 2008, Luis R. Rodriguez <mcgrof@gmail.com>
Copyright (c) 2008, Johannes Berg <johannes@sipsolutions.net>
Copyright (c) 2008, Michael Green <Michael.Green@Atheros.com>

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

1.266 axiom 1.2.20

1.266.1 Available under license:

Apache Axiom

Copyright 2004-2016 The Apache Software Foundation
This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
    Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
    stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
    that You distribute, all copyright, patent, trademark, and
    attribution notices from the Source form of the Work,
    excluding those notices that do not pertain to any part of
    the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
    distribution, then any Derivative Works that You distribute must
    include a readable copy of the attribution notices contained
    within such NOTICE file, excluding those notices that do not
    pertain to any part of the Derivative Works, in at least one
    of the following places: within a NOTICE text file distributed
    as part of the Derivative Works; within the Source form or
    documentation, if provided along with the Derivative Works; or,
    within a display generated by the Derivative Works, if and
    wherever such third-party notices normally appear. The contents
    of the NOTICE file are for informational purposes only and
    do not modify the License. You may add Your own attribution
    notices within Derivative Works that You distribute, alongside
    or as an addendum to the NOTICE text from the Work, provided
    that such additional attribution notices cannot be construed
    as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.
Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
you may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.267 less 530-1.el8
1.267.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program—to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains
that there is no warranty for this free software. For both users' and
authors' sake, the GPL requires that modified versions be marked as
changed, so that their problems will not be attributed erroneously to
authors of previous versions.

Some devices are designed to deny users access to install or run
modified versions of the software inside them, although the manufacturer
can do so. This is fundamentally incompatible with the aim of
protecting users' freedom to change the software. The systematic
pattern of such abuse occurs in the area of products for individuals to
use, which is precisely where it is most unacceptable. Therefore, we
have designed this version of the GPL to prohibit the practice for those
products. If such problems arise substantially in other domains, we
stand ready to extend this provision to those domains in future versions
of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents.
States should not allow patents to restrict development and use of
software on general-purpose computers, but in those that do, we wish to
avoid the special danger that patents applied to a free program could
make it effectively proprietary. To prevent this, the GPL assures that
patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and
modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of
works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of
copyright on the Program, and are irrevocable provided the stated
conditions are met. This License explicitly affirms your unlimited
permission to run the unmodified Program. The output from running a
covered work is covered by this License only if the output, given its
content, constitutes a covered work. This License acknowledges your
rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains
in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you
with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do
not control copyright. Those thus making or running the covered works
for you must do so exclusively on your behalf, under your direction
and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.
Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an “aggregate” if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.
If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the
terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).
However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party’s predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.
You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work
in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this
License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:
<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

Less License
------------

Less
Copyright (C) 1984-2016  Mark Nudelman

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice in the documentation and/or other materials provided with
   the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY
EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE
OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN
IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
1.268 libmysqlclient 8.0.21-
1.module_el8.2.0+493+63b41e36
1.268.1 Available under license:

Dojo is available under *either* the terms of the modified BSD license *or* the Academic Free License version 2.1. As a recipient of Dojo, you may choose which license to receive this code under (except as noted in per-module LICENSE files). Some modules may not be the copyright of the Dojo Foundation. These modules contain explicit declarations of copyright in both the LICENSE files in the directories in which they reside and in the code itself. No external contributions are allowed under licenses which are fundamentally incompatible with the AFL or BSD licenses that Dojo is distributed under.

The text of the AFL and BSD licenses is reproduced below.

-------------------------------------------------------------------------------
The "New" BSD License:
*********************
Copyright (c) 2005-2013, The Dojo Foundation
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of the Dojo Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
The Academic Free License, v. 2.1:
**************************************************************************

This Academic Free License (the "License") applies to any original work of
authorship (the "Original Work") whose owner (the "Licensor") has placed the
following notice immediately following the copyright notice for the Original
Work:

Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide,
royalty-free, non-exclusive, perpetual, sublicenseable license to do the
following:

a) to reproduce the Original Work in copies;

b) to prepare derivative works ("Derivative Works") based upon the Original
Work;

c) to distribute copies of the Original Work and Derivative Works to the
public;

d) to perform the Original Work publicly; and

e) to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide,
royalty-free, non-exclusive, perpetual, sublicenseable license, under patent
claims owned or controlled by the Licensor that are embodied in the Original
Work as furnished by the Licensor, to make, use, sell and offer for sale the
Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred
form of the Original Work for making modifications to it and all available
documentation describing how to modify the Original Work. Licensor hereby
agrees to provide a machine-readable copy of the Source Code of the Original
Work along with each copy of the Original Work that Licensor distributes.
Licensor reserves the right to satisfy this obligation by placing a
machine-readable copy of the Source Code in an information repository
reasonably calculated to permit inexpensive and convenient access by You for as
long as Licensor continues to distribute the Original Work, and by publishing
the address of that information repository in a notice immediately following
the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names
of any contributors to the Original Work, nor any of their trademarks or
service marks, may be used to endorse or promote products derived from this
Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately proceeding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing
else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such
entity.

15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

Further information regarding RapidJSON files included with this Oracle package:

The license file for rapidjson states the following:
“To avoid the problematic JSON license in your own projects, it's sufficient to exclude the bin/jsonchecker/ directory, as it's the only code under the JSON license.”

We have removed the bin/jsonchecker/ directory, and we have thus no code under the JSON license included.

The MIT License

Copyright (c) 2007 Oliver Steele

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 1992, 1993

The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by Christos Zoulas of Cornell University.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors
   may be used to endorse or promote products derived from this software
   without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

License Disclaimer:

All contents of this directory are Copyright (c) the JS Foundation, with the
following exceptions:

-------------------------------------------------------------------------------
_crypto.js - internally uses AES algorithm
* AES algorithm copyright Chris Veness (CLA signed and permission given to use code under BSD license)
  Taken from http://www.movable-type.co.uk/scripts/aes.html

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term “modification”.) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

---

Open Source Used In CSPC_Collector 2.9.1 2435
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the executable.
form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.
You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.
Libevent is available for use under the following license, commonly known as the 3-clause (or "modified") BSD license:

=====================================
Copyright (c) 2000-2007 Niels Provos <provos@citi.umich.edu>
Copyright (c) 2007-2012 Niels Provos and Nick Mathewson

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products
derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

==============================
Portions of Libevent are based on works by others, also made available by
them under the three-clause BSD license above. The copyright notices are
available in the corresponding source files; the license is as above. Here's
a list:

log.c:
  Copyright (c) 2000 Dug Song <dugsong@monkey.org>
  Copyright (c) 1993 The Regents of the University of California.

strlcpy.c:
  Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

win32select.c:
  Copyright (c) 2003 Michael A. Davis <mike@datanerds.net>

evport.c:
  Copyright (c) 2007 Sun Microsystems

ht-internal.h:
  Copyright (c) 2002 Christopher Clark

minheap-internal.h:
  Copyright (c) 2006 Maxim Yegorushkin <maxim.yegorushkin@gmail.com>

==============================

The arc4module is available under the following, sometimes called the
"OpenBSD" license:

  Copyright (c) 1996, David Mazieres <dm@uun.org>
  Copyright (c) 2008, Damien Miller <djm@openbsd.org>
Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The Windows timer code is based on code from libutp, which is distributed under this license, sometimes called the "MIT" license.

Copyright (c) 2010 BitTorrent, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE


NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOADING, INSTALLING, COPYING OR
OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE
("SOFTWARE"), YOU
UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS
OF THIS
AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE
THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE
Copyright 1991-2007 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in
http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any
associated
documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in
the Data
Files or Software without restriction, including without limitation the rights to use, copy, modify, publish, distribute, and/or sell
copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided
that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software,
(b) both the
above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice
in each modified Data File
or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or
software has been modified.
THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED,
INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A
PARTICULAR PURPOSE
AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT
HOLDER OR HOLDERS
INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR
CONSEQUENTIAL DAMAGES,
OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER
IN AN ACTION OF
CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION
WITH THE USE OR
PERFORMANCE OF THE DATA FILES OR SOFTWARE.
Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to
promote the sale, use or other
dealings in these Data Files or Software without prior written authorization of the copyright holder.
<!DOCTYPE html>
<html>
<head>
<body>
<h3>Copyright Test</h3>
</body>
</html>
Tencent is pleased to support the open source community by making RapidJSON available.

Copyright (C) 2015 THL A29 Limited, a Tencent company, and Milo Yip. All rights reserved.

If you have downloaded a copy of the RapidJSON binary from Tencent, please note that the RapidJSON binary is licensed under the MIT License.

If you have downloaded a copy of the RapidJSON source code from Tencent, please note that RapidJSON source code is licensed under the MIT License, except for the third-party components listed below which are subject to different license terms. Your integration of RapidJSON into your own projects may require compliance with the MIT License, as well as the other licenses applicable to the third-party components included within RapidJSON. To avoid the problematic JSON license in your own projects, it's sufficient to exclude the bin/jsonchecker/ directory, as it's the only code under the JSON license.

A copy of the MIT License is included in this file.

Other dependencies and licenses:

Open Source Software Licensed Under the BSD License:

The msinttypes r29
Copyright (c) 2006-2013 Alexander Chemeris
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS AND CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Open Source Software Licensed Under the JSON License:

json.org
Copyright (c) 2002 JSON.org
All Rights Reserved.

JSON_checker
Copyright (c) 2002 JSON.org
All Rights Reserved.

Terms of the JSON License:

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The Software shall be used for Good, not Evil.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Terms of the MIT License:

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2003, Danga Interactive, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Danga Interactive nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

===========================================================================
Copyright (c) 2007-2011 Barend Gehrels, Amsterdam, the Netherlands.
Copyright (c) 2008-2011 Bruno Lalande, Paris, France.
Copyright (c) 2009-2011 Mateusz Loskot, London, UK.

Use, modification and distribution is subject to the Boost Software License,
Version 1.0. (See accompanying file LICENSE_1_0.txt or copy at
http://www.boost.org/LICENSE_1_0.txt)

===========================================================================
The default copyright note for C++ source files reads:

// Boost.Geometry (aka GGL, Generic Geometry Library)

// Copyright (c) 2007-2011 Barend Gehrels, Amsterdam, the Netherlands.
// Copyright (c) 2008-2011 Bruno Lalande, Paris, France.
// Copyright (c) 2009-2011 Mateusz Loskot, London, UK.

// Parts of Boost.Geometry are redesigned from Geodan's Geographic Library
// (geolib/GGL), copyright (c) 1995-2010 Geodan, Amsterdam, the Netherlands.

// Use, modification and distribution is subject to the Boost Software License,
// Version 1.0. (See accompanying file LICENSE_1_0.txt or copy at
// http://www.boost.org/LICENSE_1_0.txt)

Exceptions:
1) Major work of any author -> might change order, change date
2) Exclusive work of one author including design -> might take sole copyright
Examples:
- adapted geometry types e.g. array, Boost.Polygon
- implemented file-format e.g. WKB
- implemented specific strategy or algorithm e.g. intersections
3) Examples -> might take sole copyright
4) Tests -> might take sole copyright
5) Docs -> might take sole copyright
6) Utilities e.g. converters -> might take sole copyright

The copyright note for other (source) files as .py, Jamfiles, etc is similar
and comments are changed accordingly.
Use of this software is granted under one of the following two licenses,
to be chosen freely by the user.

===============================================================================
Copyright (c) 2006, 2007 Marcin Kalicinski

Permission is hereby granted, free of charge, to any person or organization
obtaining a copy of the software and accompanying documentation covered by
this license (the "Software") to use, reproduce, display, distribute,
execute, and transmit the Software, and to prepare derivative works of the
Software, and to permit third-parties to whom the Software is furnished to
do so, all subject to the following:

The copyright notices in the Software and this entire statement, including
the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

2. The MIT License

Copyright (c) 2006, 2007 Marcin Kalicinski

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Dojo is available under *either* the terms of the modified BSD license *or* the Academic Free License version 2.1. As a recipient of Dojo, you may choose which license to receive this code under (except as noted in per-module LICENSE files). Some modules may not be the copyright of the JS Foundation. These modules contain explicit declarations of copyright in both the LICENSE files in the directories in which they reside and in the code itself. No external contributions are allowed under licenses which are fundamentally incompatible with the AFL or BSD licenses that Dojo is distributed under.

The text of the AFL and BSD licenses is reproduced below.

-----------------------------------------------------------------------------
The "New" BSD License:
**************************************************

Copyright (c) 2005-2018, The JS Foundation
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this
  list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice,
  this list of conditions and the following disclaimer in the documentation
  and/or other materials provided with the distribution.
* Neither the name of the JS Foundation nor the names of its contributors
  may be used to endorse or promote products derived from this software
  without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

------------------------------------------------------------------------

The Academic Free License, v. 2.1:
**************************************************

This Academic Free License (the "License") applies to any original work of
authorship (the "Original Work") whose owner (the "Licenser") has placed the
following notice immediately following the copyright notice for the Original
Work:

Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licenser hereby grants You a world-wide,
royalty-free, non-exclusive, perpetual, sublicenseable license to do the
following:

a) to reproduce the Original Work in copies;

b) to prepare derivative works ("Derivative Works") based upon the Original
Work;
c) to distribute copies of the Original Work and Derivative Works to the public;

d) to perform the Original Work publicly; and

e) to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have
modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately proceeding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the
Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner. Portions of this software contain modifications contributed by Google, Inc. These contributions are used with the following license:

Copyright (c) 2008, Google Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above
copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials
provided with the distribution.
* Neither the name of the Google Inc. nor the names of its
contributors may be used to endorse or promote products
derived from this software without specific prior written
permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

CMake - Cross Platform Makefile Generator
Copyright 2000-2013 Kitware, Inc.
Copyright 2000-2011 Insight Software Consortium
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

* Neither the names of Kitware, Inc., the Insight Software Consortium,
nor the names of their contributors may be used to endorse or promote
products derived from this software without specific prior written
permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

------------------------------------------------------------------------------

The above copyright and license notice applies to distributions of CMake in source and binary form. Some source files contain additional notices of original copyright by their contributors; see each source for details. Third-party software packages supplied with CMake under compatible licenses provide their own copyright notices documented in corresponding subdirectories.

------------------------------------------------------------------------------

CMake was initially developed by Kitware with the following sponsorship:

* National Library of Medicine at the National Institutes of Health as part of the Insight Segmentation and Registration Toolkit (ITK).

* US National Labs (Los Alamos, Livermore, Sandia) ASC Parallel Visualization Initiative.

* National Alliance for Medical Image Computing (NAMIC) is funded by the National Institutes of Health through the NIH Roadmap for Medical Research, Grant U54 EB005149.

* Kitware, Inc.
LZ4 Library
Copyright (c) 2011-2016, Yann Collet
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR
ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

“Olson Database”, available for download from ftp://elsie.nci.nih.gov/pub/

These comments were included in each file.

# This file is in the public domain, so clarified as of
# 2009-05-17 by Arthur David Olson.

# This data is by no means authoritative; if you think you know better,
# go ahead and edit the file (and please send any changes to
# tz@elsie.nci.nih.gov for general use in the future).
License Disclaimer:

All contents of this directory are Copyright (c) the JS Foundation, with the
following exceptions:

```
-----------------------------------------------------------------------------
dojo.css:
* parts Copyright (c) 2007, Yahoo! Inc. All rights reserved.
  Distributed under the terms of the BSD License

The Program includes all or portions of the following software which was obtained under the terms and conditions
of the BSD License.

http://developer.yahoo.com/yui/license.html

Copyright (c) 2007, Yahoo! Inc.
All rights reserved.
Redistribution and use of this software in source and binary forms, with or without modification, are permitted
provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following
disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following
disclaimer in the
documentation and/or other materials provided with the distribution.
* Neither the name of Yahoo! Inc. nor the names of its contributors may be used to endorse or promote products
derived from this software without
specific prior written permission of Yahoo! Inc.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY
EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT
```
SHALL THE
COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY,
OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY,
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
Copyright Paul Fultz II 2016-2018

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization
obtaining a copy of the software and accompanying documentation covered by
this license (the "Software") to use, reproduce, display, distribute,
execute, and transmit the Software, and to prepare derivative works of the
Software, and to permit third-parties to whom the Software is furnished to
do so, all subject to the following:

The copyright notices in the Software and this entire statement, including
the above license grant, this restriction and the following disclaimer,
must be included in all copies of the Software, in whole or in part, and
all derivative works of the Software, unless such copies or derivative
works are solely in the form of machine-executable object code generated by
a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT
SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE
FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE,
ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER
DEALINGS IN THE SOFTWARE.

This program, "bzip2", the associated library "libbzip2", and all
documentation, are copyright (C) 1996-2010 Julian R Seward. All
rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

--------------------------------------------------------------------------
The following people hereby grant permission to replace all existing licenses on their contributions to Boost with the Boost Software License, Version 1.0. (boostinspect:nolicense boostinspect:nocopyright)

Aleksey Gurtovoy (agurtovoy@meta-comm.com)
Andrei Alexandrescu (andrewalex - at - hotmail.com) (See Boost list message of August 12, 2004 11:06:58 AM EST)
Andrew Lumsdaine ()
Anthony Williams (anthony -at- justsoftwaresolutions.co.uk)
Beman Dawes (bdawes@acm.org)
Brad King (brad.king -at- kitware.com) (See Boost list message of Wed, 21 Jul 2004 11:15:46 -0400)
Brian Osman (osman -at- vvisions.com) (See CVS log)
Bruce Barr (schmoost -at- yahoo.com) (See Boost list of Mon, 16 Aug 2004 15:06:43 -0500)
Bruno da Silva de Oliveira (bruno - at - esss.com.br)
Christain Engstrom (christian.engstrom -at- glindra.org) (See Boost list message of Mon, 30 Aug 2004 14:31:49 +0200)
Cromwell D Enage (sponage -at- yahoo.com) (See Boost list message of August 12, 2004 11:49:13 AM EST)
Dan Gohman (djg -at- cray.com) (See Boost list message of Sat, 21 Aug 2004 10:54:59 +0100)
Dan Nuffer (dan -at- nuffer.name)
Daniel Frey (d.frey -at- gmx.de, daniel.frey -at- aixigo.de)
Daniel Nuffer (dan -at- nuffer.name)
Darin Adler (darin -at- bentspoon.com) (Email to Andreas Huber, see change log)
Daryle Walker (darylew - at - hotmail.com)
Dave Abrahams (dave@boost-consulting.com)
Dave Moore (dmoore -at- viefinancial.com) (See Boost list message of 18 Dec 2003 15:35:50 -0500)
David Abrahams (dave@boost-consulting.com)
Dietmar Kuehl (dietmar_kuehl -at- yahoo.com) (Email to Andreas Huber, see change log)
Douglas Gregor (gregod -at- cs.rpi.edu, dgGregor -at- cs.indiana.edu, doug.gregor -at- gmail.com)
Dr John Maddock (john - at - johnmaddock.co.uk)
Edward D. Brey (brey -at- ductape.net) (Email to Andreas Huber, see change log)
Eric Ford (un506n902 -at- sneakemail.com) (See Boost list message of Sun, 15 Aug 2004 10:29:13 +0100)
Eric Friedman (ebf@users.sourceforge.net)
Eric Niebler (eric@boost-consulting.com)
Fernando Cacciola (fernando_cacciola@ciudad.com.ar)
Fernando Luis Cacciola Carballal (fernando_cacciola@ciudad.com.ar)
Francois Faure (Francois.Faure -at- imag.fr) (See CVS log)
Gary Powell (powellg - at - amazon.com) (See Boost list message of 10 Feb 2004 14:22:46 -0800)
Gennadiy Rozental (rogeeff - at - mail.com) (Email to Andreas Huber, see change log)
Gottfried Ganssauge (Gottfried.Ganssauge -at- HAUFE.DE) (See Boost List message of Mon, 16 Aug 2004 10:09:19 +0200)
Gottfried Ganaugue (Gottfried.Ganssauge -at- HAUFE.DE) (Alternative spelling of Gottfried Ganssauge)
Greg Colvin (ggregory.colvin -at- oracle.com) (See Boost list message of Sat, 14 Aug 2004 10:57:00 +0100)
Gregory Colvin (gregory.colvin -at- oracle.com) (See Boost list message of Sat, 14 Aug 2004 10:57:00 +0100)
Gunter Winkler (gunter.winkler -at- unibw-muenchen.de) (See Boost List message of Mon, 16 Aug 2004 10:24:17 +0200)
Hartmut Kaiser (hartmut.kaiser -at- gmail.com)
Herve Bronnimann (hbr -at- poly.edu)
Herv Brnnimann (hbr -at- poly.edu)
Housemarque Oy (Ilari Kuitinen ilari.kuitinen -at- housemarque.fi)
Howard Hinnant (hinnant -at- twcny.rr.com) (See Boost list message of July 25, 2004 3:44:49 PM EST)
Hubert Holin (hubert_holin -at- users.sourceforge.net)
Indiana University ()
Itay Maman (imaman -at- users.sourceforge.net)
Jaakko Jivri (jajarvi -at- osl.iu.edu)
Jaap Suter (j.suter -at- student.utwente.nl) (See Boost list message of Thu, 16 Sep 2004 09:32:43 -0700)
Jeff Garland (jeff - at - crystalclearsoftware.com) (see Boost list post of July 25, 2004 19:31:09 -0700)
Jens Maurer (Jens.Maurer@gmx.net)
Jeremy G Siek (jsiek@osl.iu.edu)
Jeremy Siek (jsiek@osl.iu.edu)
Joel de Guzman (joel -at- boost-consulting.com) (See Boost list message of July 25, 2004 8:32:00 PM EST)
John Bandela (jbandelier-at-ufl.edu)
John Maddock (john - at - johnmaddock.co.uk)
John R Bandela (jbandelier-at-ufl.edu)
Jonathan Turkannis (turkanis -at- coderage dot com)
Juergen Hunold (hunold -at- ive.uni-hannover.de) (See Boost List Message of Fri, 13 Aug 2004 19:39:55 +0200)
Kevlin Henney (kevlin -at- curbralan.com) (See Boost list message of Wed, 15 Sep 2004 18:15:17 +0200)
Kresimir Frel (frel -at- master.grad.hr) (See Boost List message of August 16, 2004 8:23:35 AM EST)
Lars Gullik Bjennes (larshj -at- lyx.org) (See Boost list message of Tue, 17 Aug 2004 15:49:02 +0100)
Liqian Lee (liequan - at - slac.stanford.edu, llee - at - cs.indiana.edu)
Maarten Keijzer (mkeijzer -at- cs.vu.nl) (See Boost list message of Wed, 18 Aug 2004 21:43:18 +0100)
Mac Murrett (mmurrett -at- mac.com)
Marc Wintermantel (wintermantel -at- imes.mavt.ethz.ch, wintermantel -at- even-ag.ch) (See CVS log)
Michael Glassford (glassfordm - at - hotmail.com)
Michael Stevens (Michael.Stevens - at - epost.de)
Multi Media Ltd. (pdimov@mmltd.net)
Nicolai J Josuttis (solutions -at- josuttis.com) (See Boost list message of Mon, 30 Aug 2004 10:52:00 +0100)
Nikolay Mladenov (nickm -at- sitius.com) (See Boost list message of Tue, 17 Aug 2004 15:45:33 +0100)
Paul Mensonides (pmenso57 -at- comcast.net) (See Boost list message of July 21, 2004 1:12:21 AM EST)
Pavol Droba (droba -at- topmail.sk)
Peter Dimov (pdimov@mmltd.net)
R W Grosse-Kunstleve (RWGrosse-Kunstleve@lbl.gov)
Ralf W. Grosse-Kunstleve (RWGrosse-Kunstleve@lbl.gov)
Rational Discovery LLC (Greg Landrum Landrum -at- RationalDiscovery.com) (See Boost list post of Tue, 17 Aug 2004 10:35:36 +0100)
Rene Rivera (grafik/redshift-software.com, rrivera/acm.org)
Robert Ramey (ramey@www.rrsd.com)
Roland Richter (roland -at- flll.jku.at) (See Boost list post of Mon, 16 Aug 2004 22:16:55 +0200)
Roland Schwarz (roland.schwarz -at- chello.at)
Ronald Garcia (garcia -at- cs.indiana.edu) (Email to Andreas Huber, see change log)
Samuel Krempp (krempp -at- crans.ens-cachan.fr) (See Boost list message of Mon, 27 Sep 2004 13:18:36 +0200)
Stefan Seefeld (seefeld -at- sympatico.ca)
Stephen Cleary (sicleary -at- jerviswebb.com) (See Boost list message of Tue, 28 Sep 2004 13:11:46 +0100)
Steve Cleary (Variant of Stephen Cleary)
Sylvain Pion (Sylvain.Pion - at - sophia.inria.fr)
The Trustees of Indiana University ()
Thomas Witt (witt - at - ive.uni-hannover.de, witt - at - acm.org, witt - at - styleadvisor.com)
Thorsten Jrgen Ottosen (nesotto - at - cs.auc.dk)
Thorsten Ottosen (nesotto - at - cs.auc.dk)
Toon Knapen (toon dot knapen - at - fft.be)
The Trustees of Indiana University ()
University of Notre Dame ()
Vladimir Prus (ghost@cs.msu.su)
William E. Kempf () (email to Beman Dawes, 9/14/2006 4:18 PM)
Joerg Walter (jhwr.walter - at - t-online.de : email to ublas mailing list Mon, 17 Sep 2007 10:17:08 +0200)
Mathias Koch (mkoch - at - idesis.de 7 : email to boost-owner@lists.boost.org Sep 2007 13:20:09 +0200)

--- end ---

Copyright 2008 Google Inc.  All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Code generated by the Protocol Buffer compiler is owned by the owner of the input file used when generating it. This code is not standalone and requires a support library to be linked with it. This support library is itself covered by the above license.

Dojo is available under *either* the terms of the modified BSD license *or* the Academic Free License version 2.1. As a recipient of Dojo, you may choose which license to receive this code under (except as noted in per-module LICENSE files). Some modules may not be the copyright of the JS Foundation. These modules contain explicit declarations of copyright in both the LICENSE files in the directories in which they reside and in the code itself. No external contributions are allowed under licenses which are fundamentally incompatible with the AFL or BSD licenses that Dojo is distributed under.

The text of the AFL and BSD licenses is reproduced below.

---

The "New" BSD License:

Copyright (c) 2005-2018, The JS Foundation
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice,
this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the JS Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The Academic Free License, v. 2.1:

This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work:

Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license to do the following:

a) to reproduce the Original Work in copies;

b) to prepare derivative works ("Derivative Works") based upon the Original Work;

c) to distribute copies of the Original Work and Derivative Works to the public;

d) to perform the Original Work publicly; and

e) to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the
Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately proceeding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No
license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable
attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

--!- Copyright 2018 Paul Fultz II
Distributed under the Boost Software License, Version 1.0.
(http://www.boost.org/LICENSE_1_0.txt)
-->

License
=======

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative
works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER

Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.

2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.

4. This notice may not be removed or altered.
Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
Parts of the navigation implementation were borrowed from the docdock theme, and thus they are copyright as follows:

The MIT License (MIT)

Copyright (c) 2014 Grav
Copyright (c) 2016 MATHIEU CORNIC
Copyright (c) 2017 Valere JEANTET

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

/* Written in 2015 by Sebastiano Vigna (vigna@acm.org) */

To the extent possible under law, the author has dedicated all copyright and related and neighboring rights to this software to the public domain worldwide. This software is distributed without any warranty.

See <http://creativecommons.org/publicdomain/zero/1.0/>. */

Lua is under the MIT license: http://www.lua.org/license.html.

 Licensing Information User Manual

MySQL Router 8.0

Introduction

This License Information User Manual contains Oracle's product license and other licensing information, including licensing information for third-party software which may be included in this distribution of MySQL Router 8.0.

Last updated: June 2020
Licensing Information

This is a release of MySQL Router 8.0, brought to you by the MySQL team at Oracle. This software is released under version 2 of the GNU General Public License (GPLv2), as set forth below, with the following additional permissions:

This distribution of MySQL Router 8.0 is distributed with certain software (including but not limited to OpenSSL) that is licensed under separate terms, as designated in a particular file or component or in the license documentation. Without limiting your rights under the GPLv2, the authors of MySQL hereby grant you an additional permission to link the program and your derivative works with the separately licensed software that they have included with the program.

Copyright (c) 2015, 2020, Oracle and/or its affiliates.

Election of GPLv2

For the avoidance of doubt, except that if any license choice other than GPL or LGPL is available it will apply instead, Oracle elects to use only the General Public License version 2 (GPLv2) at this time for any software where a choice of GPL license versions is made available with the language indicating that GPLv2 or any later version may be used, or where a choice of which version of the GPL is applied is otherwise unspecified.

GNU General Public License Version 2.0, June 1991

The following applies to all products licensed under the GNU General Public License, Version 2.0: You may not use the identified files except in compliance with the GNU General Public License, Version 2.0 (the "License."). You may obtain a copy of the License at http://www.gnu.org/licenses/gpl-2.0.txt. A copy of the license is also reproduced below. Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.
The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'. This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

Licenses for Third-Party Components

The following sections contain licensing information for libraries that we have included with the MySQL Router 8.0 source and components used to test MySQL Router 8.0. Commonly used licenses referenced herein can be found in Commonly Used Licenses. We are thankful to all individuals that have created these.

DUKTAPE

The following software may be included in this product:

DUKTAPE
Copyright (c) 2013-2018 by Duktape authors (see AUTHORS.rst)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Google C++ Mocking Framework (Google Mock)
This Oracle Product includes or references Gmock (including gtest), which is licensed to Oracle under the following terms:

Copyright 2008, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Google Protocol Buffers

The following software may be included in this product:

Copyright 2014, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Code generated by the Protocol Buffer compiler is owned by the owner of the input file used when generating it. This code is not standalone and requires a support library to be linked with it. This support library is itself covered by the above license.

libevent

The following software may be included in this product:
Copyright (c) 2000-2007 Niels Provos <provos@citi.umich.edu>
Copyright (c) 2007-2012 Niels Provos and Nick Mathewson

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
Portions of Libevent are based on works by others, also made available by them under the three-clause BSD license above. The copyright notices are available in the corresponding source files; the license is as above. Here's a list:

log.c:
   Copyright (c) 2000 Dug Song <dugsong@monkey.org>
   Copyright (c) 1993 The Regents of the University of California.

strlcpy.c:
   Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

win32select.c:
   Copyright (c) 2003 Michael A. Davis <mike@datanerds.net>

evport.c:
   Copyright (c) 2007 Sun Microsystems

ht-internal.h:
   Copyright (c) 2002 Christopher Clark

minheap-internal.h:
   Copyright (c) 2006 Maxim Yegorushkin <maxim.yegorushkin@gmail.com>

The arc4module is available under the following, sometimes called the "OpenBSD" license:

Copyright (c) 1996, David Mazieres <dm@uun.org>
Copyright (c) 2008, Damien Miller <djm@openbsd.org>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
The Windows timer code is based on code from libutp, which is distributed under this license, sometimes called the "MIT" license.

Copyright (c) 2010 BitTorrent, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

LZ4

The following software may be included in this product:
LZ4 Library
Copyright (c) 2011-2016, Yann Collet
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

OpenSSL License

You are receiving a copy of OpenSSL as part of this product in object
code form. The terms of the Oracle license do NOT apply to OpenSSL.
OpenSSL is licensed under a double license, of the OpenSSL License and
the original SSLeay license, separate from the Oracle product. If you
do not wish to install this library, you may remove it, but the Oracle
program might not operate properly or at all without it.
LICENSE ISSUES
============

The OpenSSL toolkit stays under a double license, i.e. both the conditions of
the OpenSSL License and the original SSLeay license apply to the toolkit.
See below for the actual license texts.

OpenSSL License
---------------

/* ====================================================================
 * Copyright (c) 1998-2019 The OpenSSL Project.  All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 * *
 * 3. All advertising materials mentioning features or use of this
 *    software must display the following acknowledgment:
 *    "This product includes software developed by the OpenSSL Project
 *    for use in the OpenSSL Toolkit (http://www.openSSL.org)"
 * *
 * 4. The names "OpenSSL Library" and "OpenSSL Toolkit" must not be used to
 *    endorse or promote products derived from this software without prior
 *    written permission. For written permission, please contact openssl@openssl.org
 * *
 * 5. Products derived from this software may not be called "OpenSSL",
 *    nor may "OpenSSL" appear in their name, without prior written permission of the
 *    OpenSSL Project.
 * *
 * 6. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 * *
 * ====================================================================
 */
* 3. All advertising materials mentioning features or use of this
  software must display the following acknowledgment:

  "This product includes software developed by the OpenSSL Project
  for use in the OpenSSL Toolkit. (http://www.openssl.org/)"

* 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
  endorse or promote products derived from this software without
  prior written permission. For written permission, please contact
  openssl-core@openssl.org.

* 5. Products derived from this software may not be called "OpenSSL"
  nor may "OpenSSL" appear in their names without prior written
  permission of the OpenSSL Project.

* 6. Redistributions of any form whatsoever must retain the following
  acknowledgment:

  "This product includes software developed by the OpenSSL Project
  for use in the OpenSSL Toolkit (http://www.openssl.org/)"

* THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY
  EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
  IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
  PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
  ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
  SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
  NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,

* STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)

* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED

* OF THE POSSIBILITY OF SUCH DAMAGE.

* ====================================================================

* This product includes cryptographic software written by Eric Young

* (eay@cryptsoft.com). This product includes software written by Tim

* Hudson (tjh@cryptsoft.com).

* /

Original SSLeay License

-----------------------

/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)

* All rights reserved.

* This package is an SSL implementation written

* by Eric Young (eay@cryptsoft.com).

* The implementation was written so as to conform with Netscapes SSL.

* This library is free for commercial and non-commercial use as long as

* the following conditions are aheared to. The following conditions

* apply to all code found in this distribution, be it the RC4, RSA,

* Ihash, DES, etc., code; not just the SSL code. The SSL documentation

* included with this distribution is covered by the same copyright terms

* except that the holder is Tim Hudson (tjh@cryptsoft.com).

*/
* Copyright remains Eric Young’s, and as such any Copyright notices in
* the code are not to be removed.

* If this package is used in a product, Eric Young should be given attribution
* as the author of the parts of the library used.

* This can be in the form of a textual message at program startup or
* in documentation (online or textual) provided with the package.

* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:

* 1. Redistributions of source code must retain the copyright
*    notice, this list of conditions and the following disclaimer.

* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.

* 3. All advertising materials mentioning features or use of this software
*    must display the following acknowledgement:

*    "This product includes cryptographic software written by
*    Eric Young (eay@cryptsoft.com)"

* The word 'cryptographic' can be left out if the rouines from the library
* being used are not cryptographic related :-).

* 4. If you include any Windows specific code (or a derivative thereof) from
*    the apps directory (application code) you must include an acknowledgement:

*    "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"
* THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
* 
* The licence and distribution terms for any publically available version or
* derivative of this code cannot be changed. i.e. this code cannot simply be
* copied and put under another distribution licence
* [including the GNU Public Licence.]
* /

RapidJSON v1.1.0

The following software may be included in this product:
Copyright (C) 2015 THL A29 Limited, a Tencent company, and Milo Yip. All
rights reserved.

If you have downloaded a copy of the RapidJSON binary from Tencent, please
note that the RapidJSON binary is licensed under the MIT License.
If you have downloaded a copy of the RapidJSON source code from Tencent,
please note that RapidJSON source code is licensed under the MIT License,
except for the third-party components listed below which are subject to
different license terms. Your integration of RapidJSON into your own
projects may require compliance with the MIT License, as well as the other
licenses applicable to the third-party components included within RapidJSON.
To avoid the problematic JSON license in your own projects, it's sufficient
to exclude the bin/jsonchecker/ directory, as it's the only code under the
JSON license.
A copy of the MIT License is included in this file.

Other dependencies and licenses:

Open Source Software Licensed Under the BSD License:

The msinttypes r29
Copyright (c) 2006-2013 Alexander Chemeris
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this
  list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice,
  this list of conditions and the following disclaimer in the documentation
  and/or other materials provided with the distribution.
* Neither the name of copyright holder nor the names of its contributors may
  be used to endorse or promote products derived from this software without
  specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY
EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE REGENTS AND CONTRIBUTORS BE LIABLE FOR ANY
DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Open Source Software Licensed Under the JSON License:

json.org
Copyright (c) 2002 JSON.org
All Rights Reserved.

JSON_checker
Copyright (c) 2002 JSON.org
All Rights Reserved.
Terms of the JSON License:
---------------------------------------------------

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The Software shall be used for Good, not Evil.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Terms of the MIT License:
---------------------------------------------------

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Commonly Used Licenses

Artistic License (Perl) 1.0
The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided
that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall
under the copyright of this Package, but belong to whoever generated
them, and may be sold commercially, and may be aggregated with this
Package. If such scripts or library files are aggregated with this
Package via the so-called "undump" or "unexec" methods of producing a
binary executable image, then distribution of such an image shall
neither be construed as a distribution of this Package nor shall it
fall under the restrictions of Paragraphs 3 and 4, provided that you do
not represent such an executable image as a Standard Version of this
Package.

7. C subroutines (or comparably compiled subroutines in other
languages) supplied by you and linked into this Package in order to
emulate subroutines and variables of the language defined by this
Package shall not be considered part of this Package, but are the
equivalent of input as in Paragraph 6, provided these subroutines do
not change the language in any way that would cause it to fail the
regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always
permitted provided that the use of this Package is embedded; that is,
when no overt attempt is made to make this Package's interfaces visible
to the end user of the commercial distribution. Such use shall not be
construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote
products derived from this software without specific prior written
permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

GNU Lesser General Public License Version 2.1, February 1999

The following applies to all products licensed under the
GNU Lesser General Public License, Version 2.1: You may
not use the identified files except in compliance with
the GNU Lesser General Public License, Version 2.1 (the
"License"). You may obtain a copy of the License at
http://www.gnu.org/licenses/lgpl-2.1.html. A copy of the
license is also reproduced below. Unless required by
applicable law or agreed to in writing, software distributed
under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express
or implied. See the License for the specific language governing
permissions and limitations under the License.
GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.
We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.
In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based
on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's
complete source code as you receive it, in any medium, provided that
you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the
Library.

You may charge a fee for the physical act of transferring a copy,
and you may at your option offer warranty protection in exchange for a
fee.

2. You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most
effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU Lesser General Public License Version 2, June 1991

GNU LIBRARY GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so
as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.
   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must
make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under
the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays
Copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or
she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO
LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR
THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER
SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible
use to the public, we recommend making it free software that everyone can
redistribute and change. You can do so by permitting redistribution under
these terms (or, alternatively, under the terms of the ordinary General
Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

one line to give the library's name and an idea of what it does.
Copyright (C) year  name of author

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the GNU
Library General Public License for more details.

You should have received a copy of the GNU Library General Public
License along with this library; if not, write to the
Free Software Foundation, Inc., 51 Franklin St, Fifth Floor,
Boston, MA 02110-1301, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in
the library `Frob' (a library for tweaking knobs) written
by James Random Hacker.
MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Written Offer for Source Code

For any software that you receive from Oracle in binary form which is licensed under an open source license that gives you the right to receive the source code for that binary, you can obtain a copy of the applicable source code by visiting http://www.oracle.com/goto/opensourcecode. If the source code for the binary was not provided to you with the binary, you can also receive a copy of the source code on physical media by submitting a written request to the address listed below or by sending an email to Oracle using the following link: http://www.oracle.com/goto/opensourcecode/request.

Oracle America, Inc.
Attn: Senior Vice President
Development and Engineering Legal
500 Oracle Parkway, 10th Floor
Redwood Shores, CA 94065

Your request should include:

* The name of the binary for which you are requesting the source code

* The name and version number of the Oracle product containing the
binary

* The date you received the Oracle product

* Your name

* Your company name (if applicable)

* Your return mailing address and email, and

* A telephone number in the event we need to reach you.

We may charge you a fee to cover the cost of physical media and processing.

Your request must be sent
a. within three (3) years of the date you received the Oracle product
   that included the binary that is the subject of your request, or
b. in the case of code licensed under the GPL v3 for as long as Oracle
   offers spare parts or customer support for that product model.

LICENSE ISSUES
==============

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of
the OpenSSL License and the original SSLeay license apply to the toolkit.
See below for the actual license texts. Actually both licenses are BSD-style
Open Source licenses. In case of any license issues related to OpenSSL
please contact openssl-core@openssl.org.

OpenSSL License
--------------

/* ====================================================================
 * Copyright (c) 1998-1999 The OpenSSL Project.  All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 */
* 3. All advertising materials mentioning features or use of this
  * software must display the following acknowledgment:
  * "This product includes software developed by the OpenSSL Project
  * for use in the OpenSSL Toolkit. (http://www.openssl.org/)"
  *
  * 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
  * endorse or promote products derived from this software without
  * prior written permission. For written permission, please contact
  * openssl-core@openssl.org.
  *
  * 5. Products derived from this software may not be called "OpenSSL"
  * nor may "OpenSSL" appear in their names without prior written
  * permission of the OpenSSL Project.
  *
  * 6. Redistributions of any form whatsoever must retain the following
  * acknowledgment:
  * "This product includes software developed by the OpenSSL Project
  * for use in the OpenSSL Toolkit (http://www.openssl.org/)"
  *
  * THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT "AS IS" AND ANY
  * EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
  * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
  * PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
  * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
  * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
  * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
  * LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
  * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
  * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
  * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
  * OF THE POSSIBILITY OF SUCH DAMAGE.
  *
  * ==========================================================================

* This product includes cryptographic software written by Eric Young
* (eay@cryptsoft.com). This product includes software written by Tim
* Hudson (tjh@cryptsoft.com).
*
*/

Original SSLeay License
-----------------------

/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
 * All rights reserved.
 *
 * This package is an SSL implementation written
 * by Eric Young (eay@cryptsoft.com).
 * The implementation was written so as to conform with Netscapes SSL.
* This library is free for commercial and non-commercial use as long as
* the following conditions are aheared to. The following conditions
* apply to all code found in this distribution, be it the RC4, RSA,
* lhash, DES, etc., code; not just the SSL code. The SSL documentation
* included with this distribution is covered by the same copyright terms
* except that the holder is Tim Hudson (tjh@cryptsoft.com).
*
* Copyright remains Eric Young's, and as such any Copyright notices in
* the code are not to be removed.
* If this package is used in a product, Eric Young should be given attribution
* as the author of the parts of the library used.
* This can be in the form of a textual message at program startup or
* in documentation (online or textual) provided with the package.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. All advertising materials mentioning features or use of this software
*    must display the following acknowledgement:
*    "This product includes cryptographic software written by
*     Eric Young (eay@cryptsoft.com)"
*    The word 'cryptographic' can be left out if the rouines from the library
*    being used are not cryptographic related :-).
* 4. If you include any Windows specific code (or a derivative thereof) from
*    the apps directory (application code) you must include an acknowledgement:
*    "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"
*
* THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* The licence and distribution terms for any publically available version or
* derivative of this code cannot be changed. i.e. this code cannot simply be
* copied and put under another distribution licence
Copyright 2018 Peter Dimov

Distributed under the Boost Software License, Version 1.0.

See accompanying file LICENSE_1_0.txt or copy at http://www.boost.org/LICENSE_1_0.txt

[Boost Software License, Version 1.0]

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

This file contains a list of people who have made large contributions
to the public version of Protocol Buffers.

Original Protocol Buffers design and implementation:
Sanjay Ghemawat <sanjay@google.com>
Jeff Dean <jeff@google.com>
Daniel Dulitz <daniel@google.com>
Craig Silverstein
Paul Haahr <haahr@google.com>
Corey Anderson <corin@google.com>
(and many others)

Proto2 C++ and Java primary author:
Kenton Varda <kenton@google.com>

Proto2 Python primary authors:
Will Robinson <robinson@google.com>
Petar Petrov <petar@google.com>

Java Nano primary authors:
Brian Duff <bduff@google.com>
Tom Chao <chaot@google.com>
Max Cai <maxtroy@google.com>
Ulas Kirazci <ulas@google.com>
Large code contributions:
Jason Hsueh <jasonh@google.com>
Joseph Schorr <jschorr@google.com>
Wenbo Zhu <wenboz@google.com>

Large quantity of code reviews:
Scott Bruce <sbruce@google.com>
Frank Yellin
Neal Norwitz <nnorwitz@google.com>
Jeffrey Yasskin <jyasskin@google.com>
Ambrose Feinstein <ambrose@google.com>

Documentation:
Lisa Carey <lcarey@google.com>

Maven packaging:
Gregory Kick <gak@google.com>

Patch contributors:
Kevin Ko <kevin.s.ko@gmail.com>
  * Small patch to handle trailing slashes in --proto_path flag.
Johan Euphrosine <proppy@aminche.com>
  * Small patch to fix Python CallMethod().
Ulrich Kunitz <kune@deine-taler.de>
  * Small optimizations to Python serialization.
Leandro Lucarella <llucax@gmail.com>
  * VI syntax highlighting tweaks.
  * Fix compiler to not make output executable.
Dilip Joseph <dilip.antony.joseph@gmail.com>
  * Heuristic detection of sub-messages when printing unknown fields in
text format.
Brian Atkinson <nairb774@gmail.com>
  * Added @Override annotation to generated Java code where appropriate.
Vincent Choinire <Choiniere.Vincent@hydro.qc.ca>
  * Tru64 support.
Monty Taylor <monty.taylor@gmail.com>
  * Solaris 10 + Sun Studio fixes.
Alek Storm <alek.storm@gmail.com>
  * Slicing support for repeated scalar fields for the Python API.
Oleg Smolsky <oleg.smolsky@gmail.com>
  * MS Visual Studio error format option.
  * Detect unordered_map in stl_hash.m4.
Brian Olson <brianolson@gmail.com>
  * gzip/zlib I/O support.
Michael Poole <mdpoole@troilus.org>
  * Fixed warnings about generated constructors not explicitly initializing
    all fields (only present with certain compiler settings).
* Added generation of field number constants.
Wink Saville <wink@google.com>
* Fixed initialization ordering problem in logging code.
Will Pierce <willp@nuclei.com>
* Small patch improving performance of in Python serialization.
Alexandre Vassalotti <alexandre@peadrop.com>
* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).
Scott Stafford <scott.stafford@gmail.com>
* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.
Alexander Melnikov <alm@sibmail.ru>
* HPUX support.
Oliver Jowett <oliver.jowett@gmail.com>
* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.
Evan Jones <evanj@mit.edu>
* Optimize Java serialization code when writing a small message to a stream.
* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.
Michael Kucharski <m.kucharski@gmail.com>
* Added CodedInputStream.getTotalBytesRead().
Kacper Kowalik <xarthisius.kk@gmail.com>
* Fixed m4/acx_pthread.m4 problem for some Linux distributions.
William Orr <will@worrbase.com>
* Fixed detection of sched_yield on Solaris.
* Added atomicops for Solaris
Andrew Paprocki <andrew@ishiboo.com>
* Fixed minor IBM xIC compiler build issues
* Added atomicops for AIX (POWER)
/* Written in 2016 by David Blackman and Sebastiano Vigna (vigna@acm.org)

To the extent possible under law, the author has dedicated all copyright and related and neighboring rights to this software to the public domain worldwide. This software is distributed without any warranty.

See <http://creativecommons.org/publicdomain/zero/1.0/>.
CommonJS specification snapshots are included in the references/directory. CommonJS is under the MIT license: http://www.commonjs.org/.
Portions of this software contain modifications contributed by Percona, Inc.
These contributions are used with the following license:

Copyright (c) 2008, 2009, Percona Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above
copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials
provided with the distribution.
* Neither the name of the Percona Inc. nor the names of its
contributors may be used to endorse or promote products
derived from this software without specific prior written
permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This package was debianized by Vladimir Prus <ghost@cs.msu.su> on

Copyright:

/+
+\Copyright 1993-2002 Christopher Seiwald and Perforce Software, Inc.
\+/This is Release 2.4 of Jam/MR, a make-like program.

License is hereby granted to use this software and distribute it
freely, as long as this copyright notice is retained and modifications
are clearly marked.

ALL WARRANTIES ARE HEREBY DISCLAIMED.

Some portions are also:

Copyright 2001-2006 David Abrahams.
Copyright 2002-2006 Rene Rivera.
Copyright 2003-2006 Vladimir Prus.

Distributed under the Boost Software License, Version 1.0.
(See accompanying file LICENSE_1_0.txt or http://www.boost.org/LICENSE_1_0.txt)
Copyright Louis Dionne 2013-2017
Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

MySQL 8.0

Introduction

This License Information User Manual contains Oracle's product license and other licensing information, including licensing information for third-party software which may be included in this distribution of MySQL 8.0.

Last updated: May 2020

Licensing Information

This is a release of MySQL 8.0, brought to you by the MySQL team at Oracle. This software is released under version 2 of the GNU General Public License (GPLv2), as set forth below, with the following additional permissions:

This distribution of MySQL 8.0 is distributed with certain software (including but not limited to OpenSSL) that is licensed under separate terms, as designated in a particular file or component or in the license documentation. Without limiting your rights under the GPLv2,
the authors of MySQL hereby grant you an additional permission to link
the program and your derivative works with the separately licensed
software that they have included with the program.

This distribution includes the MySQL C API client library
(libmysqlclient) otherwise known as MySQL Connector/C. Without limiting
the foregoing grant of rights under the GPLv2 and additional permission
as to separately licensed software, this Connector is also subject to
the Universal FOSS Exception, version 1.0, a copy of which is
reproduced below and can also be found along with its FAQ at

Copyright (c) 1997, 2020, Oracle and/or its affiliates.

Election of GPLv2

For the avoidance of doubt, except that if any license choice other
than GPL or LGPL is available it will apply instead, Oracle elects to
use only the General Public License version 2 (GPLv2) at this time for
any software where a choice of GPL license versions is made available
with the language indicating that GPLv2 or any later version may be
used, or where a choice of which version of the GPL is applied is
otherwise unspecified.

GNU General Public License Version 2.0, June 1991

The following applies to all products licensed under the GNU General
Public License, Version 2.0: You may not use the identified files
except in compliance with the GNU General Public License, Version
2.0 (the "License.") You may obtain a copy of the License at
http://www.gnu.org/licenses/gpl-2.0.txt. A copy of the license is
also reproduced below. Unless required by applicable law or agreed
to in writing, software distributed under the License is distributed
on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND,
either express or implied. See the License for the specific language
governing permissions and limitations under the License.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim
copies of this license document, but changing it is not
allowed.

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a
notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software
interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or
modify it under the terms of the GNU General Public License as
published by the Free Software Foundation; either version 2 of
the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA
02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details
type 'show w'. This is free software, and you are welcome
to redistribute it under certain conditions; type 'show c'
for details.

The hypothetical commands 'show w' and 'show c' should show the
appropriate parts of the General Public License. Of course, the
commands you use may be called something other than 'show w' and
'show c': they could even be mouse-clicks or menu items--whatever
suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program 'Gnomovision' (which makes passes at compilers) written
by James Hacker.
This General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library,
you may consider it more useful to permit linking proprietary
applications with the library. If this is what you want to do, use
the GNU Lesser General Public License instead of this License.

The Universal FOSS Exception, Version 1.0

In addition to the rights set forth in the other license(s) included in
the distribution for this software, data, and/or documentation
(collectively the "Software", and such licenses collectively with this
additional permission the "Software License"), the copyright holders
wish to facilitate interoperability with other software, data, and/or
documentation distributed with complete corresponding source under a
license that is OSI-approved and/or categorized by the FSF as free
(collectively "Other FOSS"). We therefore hereby grant the following
additional permission with respect to the use and distribution of the
Software with Other FOSS, and the constants, function signatures, data
structures and other invocation methods used to run or interact with
each of them (as to each, such software's "Interfaces"):

i. The Software's Interfaces may, to the extent permitted by the
license of the Other FOSS, be copied into, used and distributed in
the Other FOSS in order to enable interoperability, without
requiring a change to the license of the Other FOSS other than as
to any Interfaces of the Software embedded therein. The Software's
Interfaces remain at all times under the Software License,
including without limitation as used in the Other FOSS (which upon
any such use also then contains a portion of the Software under the
Software License).

ii. The Other FOSS's Interfaces may, to the extent permitted by the
license of the Other FOSS, be copied into, used and distributed in
the Software in order to enable interoperability, without requiring
that such Interfaces be licensed under the terms of the Software
License or otherwise altering their original terms, if this does
not require any portion of the Software other than such Interfaces
to be licensed under the terms other than the Software License.

iii. If only Interfaces and no other code is copied between the
Software and the Other FOSS in either direction, the use and/or
distribution of the Software with the Other FOSS shall not be
deemed to require that the Other FOSS be licensed under the license
of the Software, other than as to any Interfaces of the Software
copied into the Other FOSS. This includes, by way of example and
without limitation, statically or dynamically linking the Software
together with Other FOSS after enabling interoperability using the
Interfaces of one or both, and distributing the resulting combination under different licenses for the respective portions thereof. For avoidance of doubt, a license which is OSI-approved or categorized by the FSF as free, includes, for the purpose of this permission, such licenses with additional permissions, and any license that has previously been so approved or categorized as free, even if now deprecated or otherwise no longer recognized as approved or free. Nothing in this additional permission grants any right to distribute any portion of the Software on terms other than those of the Software License or grants any additional permission of any kind for use or distribution of the Software in conjunction with software other than Other FOSS.

Licenses for Third-Party Components

The following sections contain licensing information for libraries that we have included with the MySQL 8.0 source and components used to test MySQL 8.0. Commonly used licenses referenced herein can be found in Commonly Used Licenses. We are thankful to all individuals that have created these.

argparse

The following software may be included in this product:

argparse
argparse is (c) 2006-2009 Steven J. Bethard <steven.bethard@gmail.com>.

The argparse module was contributed to Python as of Python 2.7 and thus was licensed under the Python license. Same license applies to all files in the argparse package project.

For details about the Python License, please see doc/Python-License.txt.

History
-------

Before (and including) argparse 1.1, the argparse package was licensed under Apache License v2.0.

After argparse 1.1, all project files from the argparse project were deleted due to license compatibility issues between Apache License 2.0 and GNU GPL v2.

The project repository then had a clean start with some files taken from Python 2.7.1, so definitely all files are under Python License now.

##########################################################################
PSF LICENSE AGREEMENT FOR PYTHON 2.7.11

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 2.7.11 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 2.7.11 alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001-2016 Python Software Foundation; All Rights Reserved" are retained in Python 2.7.11 alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 2.7.11 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 2.7.11.

4. PSF is making Python 2.7.11 available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 2.7.11 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 2.7.11 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 2.7.11, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python 2.7.11, Licensee agrees to be bound by the terms and conditions of this License Agreement.
The following software may be included in this product:
Assert is distributed under a permissive open source license.

Copyright (C) 2004 Sam Hocevar <sam@hocevar.net>

The test program (test directory) for Assert is under BSD license:

// Copyright 2008, Google Inc.
// All rights reserved.
//
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions are
// met:
//
// * Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
// * Redistributions in binary form must reproduce the above
// copyright notice, this list of conditions and the following disclaimer
// in the documentation and/or other materials provided with the
// distribution.
// * Neither the name of Google Inc. nor the names of its
// contributors may be used to endorse or promote products derived from
// this software without specific prior written permission.
//
// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
// "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
// LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
// A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
// OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
// SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
// LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
// DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
// THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Better Enums

The following software may be included in this product:

Better Enums
Better Enums is distributed under the terms of the 2-clause BSD license.

Copyright (c) 2012-2016, Anton Bachin
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Better Enums uses the mistune library as part of its documentation generator.

http://mistune.readthedocs.org/en/latest/

Copyright (c) 2014 - 2015, Hsiaoming Yang

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the creator nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Blosc

The following software may be included in this product:

Blosc
Copyright (C) 2009-2016 Francesc Alted <francesc@blosc.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Boost Library

The following software may be included in this product:

Boost C++ Libraries

Use of any of this software is governed by the terms of the license below:
Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or
organization obtaining a copy of the software and accompanying
documentation covered by this license (the "Software") to use,
reproduce, display, distribute, execute, and transmit the Software,
and to prepare derivative works of the Software, and to permit
third-parties to whom the Software is furnished to do so, all
subject to the following:

The copyright notices in the Software and this entire statement,
including the above license grant, this restriction and the
following disclaimer, must be included in all copies of the
Software, in whole or in part, and all derivative works of the
Software, unless such copies or derivative works are solely in the
form of machine-executable object code generated by a source
language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND
NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE
DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER
LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT
OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS
IN THE SOFTWARE.

Brotli

The following software may be included in this product:

Brotli
Copyright (c) 2009, 2010, 2013-2016 by the Brotli Authors.

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
THE SOFTWARE.
Some of the source files reference Google as the copyright holder

/* Copyright 2015 Google Inc. All Rights Reserved. 

Distributed under MIT license. 
See file LICENSE for detail or copy at https://opensource.org/licenses/MIT */

bzip2/libbzip2

The following software may be included in this product: 
This program, "bzip2", the associated library "libbzip2", and all 
documentation, are copyright (C) 1996-2010 Julian R Seward. All 
rights reserved.

Redistribution and use in source and binary forms, with or without 
modification, are permitted provided that the following conditions 
are met:

1. Redistributions of source code must retain the above copyright 
notice, this list of conditions and the following disclaimer.

2. The origin of this software must not be misrepresented; you must 
not claim that you wrote the original software. If you use this 
software in a product, an acknowledgment in the product 
documentation would be appreciated but is not required.

3. Altered source versions must be plainly marked as such, and must 
not be misrepresented as being the original software.

4. The name of the author may not be used to endorse or promote 
products derived from this software without specific prior written 
permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS 
OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED 
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE 
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY 
DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL 
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE 
GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS 
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, 
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING 
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS 
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Corosync
The following software may be included in this product:

Corosync
Copyright (c) 2002-2004 MontaVista Software, Inc.
Copyright (c) 2005-2010 RedHat, Inc.
All rights reserved.

This software licensed under BSD license, the text of which follows:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the MontaVista Software, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

cURL (libcurl)

The following software may be included in this product:
cURL (libcurl)

Use of any of this software is governed by the terms of the license below:

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1996 - 2019, Daniel Stenberg, <daniel@haxx.se>, and many contributors, see the THANKS file.

All rights reserved.
Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

Cyrus SASL

The following software may be included in this product:

Cyrus SASL
* Copyright (c) 1994-2012 Carnegie Mellon University. All rights reserved.
  *
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
*
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
*
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in
*    the documentation and/or other materials provided with the
*    distribution.
*
* 3. The name "Carnegie Mellon University" must not be used to
*    endorse or promote products derived from this software without
*    prior written permission. For permission or any legal
*    details, please contact
*    Office of Technology Transfer
*    Carnegie Mellon University
*    5000 Forbes Avenue
*    Pittsburgh, PA 15213-3890
*    (412) 268-4387, fax: (412) 268-7395
*    tech-transfer@andrew.cmu.edu
*
* 4. Redistributions of any form whatsoever must retain the following
* acknowledgment:
* "This product includes software developed by Computing Services
* at Carnegie Mellon University (http://www.cmu.edu/computing/)."
*
* CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL WARRANTIES WITH REGARD TO
* THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
* AND FITNESS, IN NO EVENT SHALL CARNEGIE MELLON UNIVERSITY BE LIABLE
* FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
* WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN
* AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING
* OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

dtoa.c

The following software may be included in this product:

dtoa.c
The author of this software is David M. Gay.

Copyright (c) 1991, 2000, 2001 by Lucent Technologies.

Permission to use, copy, modify, and distribute this software for
any purpose without fee is hereby granted, provided that this entire
notice is included in all copies of any software which is or includes
a copy or modification of this software and in all copies of the
supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR
IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR LUCENT
MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE
MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR
PURPOSE.

Editline Library (libedit)

The following software may be included in this product:

Editline Library (libedit)

Some files are:
Copyright (c) 1992, 1993
The Regents of the University of California. All rights reserved.

This code is derived from software contributed to
Berkeley by Christos Zoulas of Cornell University.

Redistribution and use in source and binary forms,
with or without modification, are permitted provided
that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Some files are:
Copyright (c) 2001 The NetBSD Foundation, Inc.
All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Anthony Mallet.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Some files are:
Copyright (c) 1997 The NetBSD Foundation, Inc.
All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Jaromir Dolecek.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE
OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Some files are:
Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND TODD C. MILLER DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL TODD C. MILLER BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

EPSG Geodetic Parameter Dataset

This product includes the EPSG Geodetic Parameter Dataset. The EPSG Dataset is owned by the International Association of Oil and Gas Producers, incorporated in England as a company limited by guarantee (number 1832064) and is subject to the terms of use here: http://www.epsg.org/TermsOfUse.

The user assumes the entire risk as to the accuracy and the use of this data. The data may be used, copied and distributed subject to the following conditions:

1. INFORMATION PROVIDED IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE.

2. The data may be included in any commercial package provided that any commerciality is based on value added by the provider and not on a value ascribed to the EPSG dataset which is made available at no charge. The ownership of the EPSG dataset [OGP] must be acknowledged.

3. Subsets of information may be extracted from the dataset. Users are advised that coordinate reference system and coordinate transformation descriptions are incomplete unless all elements detailed as essential in OGP Surveying and Positioning Guidance Note 7-1 annex F are included.

4. Essential elements should preferably be reproduced as described
in the dataset. Modification of parameter values is permitted as described in the table below to allow change to the content of the information provided that numeric equivalence is achieved. Numeric equivalence refers to the results of geodetic calculations in which the parameters are used, for example (i) conversion of ellipsoid defining parameters, or (ii) conversion of parameters between one and two standard parallel projection methods, or (iii) conversion of parameters between 7-parameter geocentric transformation methods.

Facebook Fast Checksum Patch

The following software may be included in this product:

Facebook Fast Checksum Patch

Copyright (C) 2009-2010 Facebook, Inc. All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY FACEBOOK, INC. "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL FACEBOOK, INC. BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Also included:

crc32.c -- compute the CRC-32 of a buf stream

Copyright (C) 1995-2005 Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:
1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly jloup@gzip.org
Mark Adler madler@alumni.caltech.edu

Facebook Patches

The following software may be included in this product:
Copyright (c) 2012, Facebook, Inc.
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

FindGTest.cmake

The following software may be included in this product:
FindGTest.cmake helper script (part of CMake)

Copyright 2009 Kitware, Inc.
Copyright 2009 Philip Lowman
Copyright 2009 Daniel Blezek

Distributed under the OSI-approved BSD License (the "License"); see accompanying file Copyright.txt for details.
This software is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the License for more information.

(To distributed this file outside of CMake, substitute the full License text for the above reference.)

Thanks to Daniel Blezek for the GTEST_ADD_TESTS code

Text of Copyright.txt mentioned above:

CMake - Cross Platform Makefile Generator
Copyright 2000-2009 Kitware, Inc., Insight Software Consortium
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the names of Kitware, Inc., the Insight Software Consortium, nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Fred Fish's Dbug Library

The following software may be included in this product:

Fred Fish's Dbug Library
NOTICE

Copyright Abandoned, 1987, Fred Fish

This previously copyrighted work has been placed into the public domain by the author and may be freely used for any purpose, private or commercial.

Because of the number of inquiries I was receiving about the use of this product in commercially developed works I have decided to simply make it public domain to further its unrestricted use. I specifically would be most happy to see this material become a part of the standard Unix distributions by AT&T and the Berkeley Computer Science Research Group, and a standard part of the GNU system from the Free Software Foundation.

I would appreciate it, as a courtesy, if this notice is left in all copies and derivative works. Thank you.

The author makes no warranty of any kind with respect to this product and explicitly disclaims any implied warranties of merchantability or fitness for any particular purpose.

The dbug_analyze.c file is subject to the following notice:

Copyright June 1987, Binayak Banerjee
All rights reserved.
This program may be freely distributed under the same terms and conditions as Fred Fish's Dbug package.

getarg

The following software may be included in this product:

getarg Function (getarg.h, getarg.c files)

Copyright (c) 1997 - 2000 Kungliga Tekniska Hgskolan (Royal Institute of Technology, Stockholm, Sweden). All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the Institute nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Google C++ Mocking Framework (Google Mock)

This Oracle Product includes or references Gmock (including gtest), which is licensed to Oracle under the following terms:

Copyright 2008, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Google Controlling Master Thread I/O Rate Patch

The following software may be included in this product:

Google Controlling master thread I/O rate patch
Copyright (c) 2009, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software
without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Google Perftools (TCMalloc utility)

The following software may be included in this product:
Google Perftools (TCMalloc utility)

Copyright (c) 1998-2006, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Google Protocol Buffers

The following software may be included in this product:
Protocol Buffers (aka Google protobuf)

Google Protocol Buffers - protobuf
Copyright 2008, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Code generated by the Protocol Buffer compiler is owned by the owner of the input file used when generating it. This code is not standalone and requires a support library to be linked with it. This support library is itself covered by
the above license.

Google Protocol Buffers

The following software may be included in this product:
This license applies to all parts of Protocol Buffers except the following:

- Atomicops support for generic gcc, located in
  src/google/protobuf/stubs/atomicops_internals_generic_gcc.h.
  This file is copyrighted by Red Hat Inc.

- Atomicops support for AIX/POWER, located in
  src/google/protobuf/stubs/atomicops_internals_power.h.
  This file is copyrighted by Bloomberg Finance LP.

Copyright 2014, Google Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above
  copyright notice, this list of conditions and the following disclaimer
  in the documentation and/or other materials provided with the
  distribution.

* Neither the name of Google Inc. nor the names of its
  contributors may be used to endorse or promote products derived from
  this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Code generated by the Protocol Buffer compiler is owned by the owner
of the input file used when generating it. This code is not
standalone and requires a support library to be linked with it. This support library is itself covered by the above license.

Google SMP Patch

The following software may be included in this product:

Google SMP Patch
Google SMP patch

Copyright (c) 2008, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

ICU

The following software may be included in this product:
COPYRIGHT AND PERMISSION NOTICE (ICU 58 and later)

Copyright (c) 1991-2019 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in https://www.unicode.org/copyright.html. Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either (a) this copyright and permission notice appear with all copies of the Data Files or Software, or (b) this copyright and permission notice appear in associated Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

Third-Party Software Licenses

This section contains third-party software notices and/or additional terms for licensed third-party software components included within ICU libraries.

1. ICU License - ICU 1.8.1 to ICU 57.1

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2016 International Business Machines Corporation and others
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, and/or sell copies of the Software, and to permit persons
to whom the Software is furnished to do so, provided that the above
copyright notice(s) and this permission notice appear in all copies of
the Software and that both the above copyright notice(s) and this
permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT
OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR
HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY
SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER
RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF
CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN
CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder
shall not be used in advertising or otherwise to promote the sale, use
or other dealings in this Software without prior written authorization
of the copyright holder.

All trademarks and registered trademarks mentioned herein are the
property of their respective owners.


    # The Google Chrome software developed by Google is licensed under
    # the BSD license. Other software included in this distribution is
    # provided under other licenses, as set forth below.
    #
    # The BSD License
    # http://opensource.org/licenses/bsd-license.php
    # Copyright (C) 2006-2008, Google Inc.
    #
    # All rights reserved.
    #
    # Redistribution and use in source and binary forms, with or without
    # modification, are permitted provided that the following conditions are
    # met:
    #
    # Redistributions of source code must retain the above copyright notice,
    # this list of conditions and the following disclaimer.
    # Redistributions in binary form must reproduce the above
    # copyright notice, this list of conditions and the following
    # disclaimer in the documentation and/or other materials provided with
    # the distribution.
# Neither the name of Google Inc. nor the names of its
# contributors may be used to endorse or promote products derived from
# this software without specific prior written permission.
#
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
# CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
# LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
# CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
# SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
# BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
# LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
# NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
# SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
#
#
# The word list in cjdict.txt are generated by combining three word lists
# listed below with further processing for compound word breaking. The
# frequency is generated with an iterative training against Google web
# corpora.
#
# * Libtabe (Chinese)
#   - https://sourceforge.net/project/?group_id=1519
#   - Its license terms and conditions are shown below.
#
# * IPADIC (Japanese)
#   - http://chasen.aist-nara.ac.jp/chasen/distribution.html
#   - Its license terms and conditions are shown below.
#
# --------COPYING.libtabe ---- BEGIN-------------------
#
# /*
#  * Copyright (c) 1999 TaBE Project.
#  * Copyright (c) 1999 Pai-Hsiang Hsiao.
#  * All rights reserved.
#  *
#  * Redistribution and use in source and binary forms, with or without
#  * modification, are permitted provided that the following conditions
#  * are met:
#  *
#  * Redistributions of source code must retain the above copyright
#  * notice, this list of conditions and the following disclaimer.
#  *
#  * Redistributions in binary form must reproduce the above copyright
#  * notice, this list of conditions and the following disclaimer in
#  * the documentation and/or other materials provided with the

Open Source Used In CSPC_Collector 2.9.1 2561
# distribution.
# . Neither the name of the TaBE Project nor the names of its
# contributors may be used to endorse or promote products derived
# from this software without specific prior written permission.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# OF THE POSSIBILITY OF SUCH DAMAGE.
#
# /*
# */
# Copyright (c) 1999 Computer Systems and Communication Lab,
# Institute of Information Science, Academia Sinica. All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions
# are met:
#
# . Redistributions of source code must retain the above copyright
# notice, this list of conditions and the following disclaimer.
# . Redistributions in binary form must reproduce the above copyright
# notice, this list of conditions and the following disclaimer in
# the documentation and/or other materials provided with the
# distribution.
# . Neither the name of the Computer Systems and Communication Lab
# nor the names of its contributors may be used to endorse or
# promote products derived from this software without specific
# prior written permission.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# Copyright 1996 Chih-Hao Tsai @ Beckman Institute,
# University of Illinois
# c-tsai4@uiuc.edu  http://casper.beckman.uiuc.edu/~c-tsai4
#
# --------------COPYING.libtabe----END-----------------------------
#
#
# --------------COPYING.ipadic----BEGIN-----------------------------
#
# Copyright 2000, 2001, 2002, 2003 Nara Institute of Science
# and Technology. All Rights Reserved.
#
# Use, reproduction, and distribution of this software is permitted.
# Any copy of this software, whether in its original form or modified,
# must include both the above copyright notice and the following
# paragraphs.
#
# Nara Institute of Science and Technology (NAIST),
# the copyright holders, disclaims all warranties with regard to this
# software, including all implied warranties of merchantability and
# fitness, in no event shall NAIST be liable for
# any special, indirect or consequential damages or any damages
# whatsoever resulting from loss of use, data or profits, whether in an
# action of contract, negligence or other tortuous action, arising out
# of or in connection with the use or performance of this software.
#
# A large portion of the dictionary entries
# originate from ICOT Free Software. The following conditions for ICOT
# Free Software applies to the current dictionary as well.
#
# Each User may also freely distribute the Program, whether in its
# original form or modified, to any third party or parties, PROVIDED
# that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
# on, or be attached to, the Program, which is distributed substantially
# in the same form as set out herein and that such intended
# distribution, if actually made, will neither violate or otherwise
# contravene any of the laws and regulations of the countries having
# jurisdiction over the User or the intended distribution itself.
#
# NO WARRANTY
#
# The program was produced on an experimental basis in the course of the
# research and development conducted during the project and is provided
# to users as so produced on an experimental basis. Accordingly, the
# program is provided without any warranty whatsoever, whether express,
# implied, statutory or otherwise. The term "warranty" used herein
# includes, but is not limited to, any warranty of the quality,
# performance, merchantability and fitness for a particular purpose of
# the program and the nonexistence of any infringement or violation of
# any right of any third party.
#
# Each user of the program will agree and understand, and be deemed to
# have agreed and understood, that there is no warranty whatsoever for
# the program and, accordingly, the entire risk arising from or
# otherwise connected with the program is assumed by the user.
#
# Therefore, neither ICOT, the copyright holder, or any other
# organization that participated in or was otherwise related to the
# development of the program and their respective officials, directors,
# officers and other employees shall be held liable for any and all
# damages, including, without limitation, general, special, incidental
# and consequential damages, arising out of or otherwise in connection
# with the use or inability to use the program or any product, material
# or result produced or otherwise obtained by using the program,
# regardless of whether they have been advised of, or otherwise had
# knowledge of, the possibility of such damages at any time during the
# project or thereafter. Each user will be deemed to have agreed to the
# foregoing by his or her commencement of use of the program. The term
# "use" as used herein includes, but is not limited to, the use,
# modification, copying and distribution of the program and the
# production of secondary products from the program.
#
# In the case where the program, whether in its original form or
# modified, was distributed or delivered to or received by a user from
# any person, organization or entity other than ICOT, unless it makes or
# grants independently of ICOT any specific warranty to the user in
# writing, such person, organization or entity, will also be exempted
# from and not be held liable to the user for any such damages as noted
# above as far as the program is concerned.
#
# --------------COPYING.ipadic-----END----------------------------------

3. Lao Word Break Dictionary Data (laodict.txt)

# Copyright (c) 2013 International Business Machines Corporation
# and others. All Rights Reserved.
#
# Project: http://code.google.com/p/lao-dictionary/
# License:
# http://lao-dictionary.googlecode.com/git/Lao-Dictionary-LICENSE.txt
# (copied below)
#
# This file is derived from the above dictionary, with slight
# modifications.
#
# Copyright (C) 2013 Brian Eugene Wilson, Robert Martin Campbell.
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification,
# are permitted provided that the following conditions are met:
#
# Redistributions of source code must retain the above copyright notice,
# this
# list of conditions and the following disclaimer. Redistributions in
# binary form must reproduce the above copyright notice, this list of
# conditions and the following disclaimer in the documentation and/or
# other materials provided with the distribution.
#
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
# INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# OF THE POSSIBILITY OF SUCH DAMAGE.
#
# Burmese Word Break Dictionary Data (burmesedict.txt)
#
# Copyright (c) 2014 International Business Machines Corporation
# and others. All Rights Reserved.
#
# This list is part of a project hosted at:
# github.com/kanyawtech/myanmar-karen-word-lists
#
# Copyright (c) 2013, LeRoy Benjamin Sharon
# All rights reserved.
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met: Redistributions of source code must retain the above
copyright notice, this list of conditions and the following
disclaimer. Redistributions in binary form must reproduce the
above copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials provided
with the distribution.

Neither the name Myanmar Karen Word Lists, nor the names of its
contributors may be used to endorse or promote products derived
from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS
BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED
TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR
TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF
THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

5. Time Zone Database

ICU uses the public domain data and code derived from Time Zone
Database for its time zone support. The ownership of the TZ database
is explained in BCP 175: Procedure for Maintaining the Time Zone
Database section 7.

# 7. Database Ownership

The TZ database itself is not an IETF Contribution or an IETF
document. Rather it is a pre-existing and regularly updated work
that is in the public domain, and is intended to remain in the
public domain. Therefore, BCPs 78 [RFC5378] and 79 [RFC3979] do
not apply to the TZ Database or contributions that individuals make
to it. Should any claims be made and substantiated against the TZ
Database, the organization that is providing the IANA
Considerations defined in this RFC, under the memorandum of
understanding with the IETF, currently ICANN, may act in accordance
# with all competent court orders. No ownership claims will be made
# by ICANN or the IETF Trust on the database or the code. Any person
# making a contribution to the database or code waives all rights to
# future claims in that contribution or in the TZ Database.

6. Google double-conversion

Copyright 2006-2011, the V8 project authors. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

ICU4C Unicode Libraries

This Oracle Product includes or references ICU4C, which is licensed to Oracle under the following terms:
Copyright (c) 1995-2013 International Business Machines Corporation and others

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, and/or sell copies of the
Software, and to permit persons to whom the Software is furnished to do so,
provided that the above copyright notice(s) and this permission notice appear
in all copies of the Software and that both the above copyright notice(s) and
this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE
LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR
ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER
IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF
OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not
be used in advertising or otherwise to promote the sale, use or other
dealings in this Software without prior written authorization of the
copyright holder.

All trademarks and registered trademarks mentioned herein are the property of
their respective owners.

The following Third-Party Software Licenses are also included as part of
UCU4C:

1. Unicode Data Files and Software

EXHIBIT 1
UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories
http://www.unicode.org/Public/, http://www.unicode.org/reports/, and
http://www.unicode.org/cldr/data/. Unicode Data Files do not include PDF
online code charts under the directory http://www.unicode.org/Public/.
Software includes any source code published in the Unicode Standard or under
the directories http://www.unicode.org/Public/,

NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOADING,
INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA
FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO
BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT
AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR
SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE
Copyright ?? 1991-2013 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

Unicode and the Unicode logo are trademarks of Unicode, Inc. in the United States and other countries. All third party trademarks referenced herein are the property of their respective owners.


# The Google Chrome software developed by Google is licensed under the BSD license. Other software included in this distribution is provided under other licenses, as set forth below.
#
# The BSD License
# http://opensource.org/licenses/bsd-license.php
# Copyright (C) 2006-2008, Google Inc.
#
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are met:
# 
# Redistributions of source code must retain the above copyright notice,
# this list of conditions and the following disclaimer.
# Redistributions in binary form must reproduce the above copyright notice,
# this list of conditions and the following disclaimer in the documentation
# and/or other materials provided with the distribution.
# Neither the name of Google Inc. nor the names of its contributors may be
# used to endorse or promote products derived from this software without
# specific prior written permission.
#
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS
# IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
# IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
# ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
# LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
# CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
# SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
# INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
# CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
# POSSIBILITY OF SUCH DAMAGE.
#
#
# The word list in cjdict.txt are generated by combining three word lists
# listed below with further processing for compound word breaking. The frequency is
# generated
# with an iterative training against Google web corpora.
#
# * Libtabe (Chinese)
#   - https://sourceforge.net/project/?group_id=1519
#   - Its license terms and conditions are shown below.
#
# * IPADIC (Japanese)
#   - http://chasen.aist-nara.ac.jp/chasen/distribution.html
#   - Its license terms and conditions are shown below.
#
# ---------COPYING.libtabe ---- BEGIN-------------------
#
# */
# * Copyright (c) 1999 TaBE Project.
# * Copyright (c) 1999 Pai-Hsiang Hsiao.
# * All rights reserved.
#
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * Redistributions in binary form must reproduce the above copyright
# * notice, this list of conditions and the following disclaimer in
# * the documentation and/or other materials provided with the
# * distribution.
# * Neither the name of the TaBE Project nor the names of its
# * contributors may be used to endorse or promote products derived
# * from this software without specific prior written permission.
# *
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
#
# /*
# * Copyright (c) 1999 Computer Systems and Communication Lab,
# * Institute of Information Science, Academia Sinica.
# * All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * Redistributions in binary form must reproduce the above copyright
# * notice, this list of conditions and the following disclaimer in
# * the documentation and/or other materials provided with the
# * distribution.
# * Neither the name of the Computer Systems and Communication Lab
# * nor the names of its contributors may be used to endorse or
# * promote products derived from this software without specific
# * prior written permission.
# *
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS

---

Open Source Used In CSPC_Collector 2.9.1 2571
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.
/*
# Copyright 1996 Chih-Hao Tsai @ Beckman Institute, University of Illinois
# c-tsai4@uiuc.edu http://casper.beckman.uiuc.edu/~c-tsai4
#
# ---------------COPYING.libtabe-----END------------------------------------
#
# ---------------COPYING.ipadic-----BEGIN------------------------------------
#
# Copyright 2000, 2001, 2002, 2003 Nara Institute of Science
# and Technology. All Rights Reserved.
#
# Use, reproduction, and distribution of this software is permitted.
# Any copy of this software, whether in its original form or modified,
# must include both the above copyright notice and the following
# paragraphs.
#
# Nara Institute of Science and Technology (NAIST),
# the copyright holders, disclaims all warranties with regard to this
# software, including all implied warranties of merchantability and
# fitness, in no event shall NAIST be liable for
# any special, indirect or consequential damages or any damages
# whatsoever resulting from loss of use, data or profits, whether in an
# action of contract, negligence or other tortious action, arising out
# of or in connection with the use or performance of this software.
#
# A large portion of the dictionary entries
# originate from ICOT Free Software. The following conditions for ICOT
# Free Software applies to the current dictionary as well.
#
# Each User may also freely distribute the Program, whether in its
# original form or modified, to any third party or parties, PROVIDED
# that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
# on, or be attached to, the Program, which is distributed substantially
# in the same form as set out herein and that such intended
 distribution, if actually made, will neither violate or otherwise
contravene any of the laws and regulations of the countries having
jurisdiction over the User or the intended distribution itself.

# NO WARRANTY

# The program was produced on an experimental basis in the course of the
research and development conducted during the project and is provided
to users as so produced on an experimental basis. Accordingly, the
program is provided without any warranty whatsoever, whether express,
 implied, statutory or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality,
 performance, merchantability and fitness for a particular purpose of
the program and the nonexistence of any infringement or violation of
any right of any third party.

# Each user of the program will agree and understand, and be deemed to
have agreed and understood, that there is no warranty whatsoever for
the program and, accordingly, the entire risk arising from or
otherwise connected with the program is assumed by the user.

# Therefore, neither ICOT, the copyright holder, or any other
organization that participated in or was otherwise related to the
development of the program and their respective officials, directors,
officers and other employees shall be held liable for any and all
damages, including, without limitation, general, special, incidental
and consequential damages, arising out of or otherwise in connection
with the use or inability to use the program or any product, material
or result produced or otherwise obtained by using the program,
regardless of whether they have been advised of, or otherwise had
knowledge of, the possibility of such damages at any time during the
project or thereafter. Each user will be deemed to have agreed to the
foregoing by his or her commencement of use of the program. The term
"use" as used herein includes, but is not limited to, the use,
modification, copying and distribution of the program and the
production of secondary products from the program.

# In the case where the program, whether in its original form or
modified, was distributed or delivered to or received by a user from
any person, organization or entity other than ICOT, unless it makes or
grants independently of ICOT any specific warranty to the user in
writing, such person, organization or entity, will also be exempted
from and not be held liable to the user for any such damages as noted
above as far as the program is concerned.

#

------------------------COPYING.ipadic-----END------------------------------------

3. Lao Word Break Dictionary Data (laodict.txt)
# Copyright (c) 2013 International Business Machines Corporation
# and others. All Rights Reserved.
#
# Project:  http://code.google.com/p/lao-dictionary/
# License:
http://lao-dictionary.googlecode.com/git/Lao-Dictionary-LICENSE.txt
#   (copied below)
#
# This file is derived from the above dictionary, with slight modifications.

# ............................................................................................
---
# Copyright (C) 2013 Brian Eugene Wilson, Robert Martin Campbell.
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification,
# are permitted provided that the following conditions are met:
# # Redistributions of source code must retain the above copyright notice,
# this
# # list of conditions and the following disclaimer. Redistributions in
# binary
# # form must reproduce the above copyright notice, this list of conditions
# and
# # the following disclaimer in the documentation and/or other materials
# # provided with the distribution.
# #
# # THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS
# IS" AND
# # ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
# IMPLIED
# # WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# # DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE
# LIABLE FOR
# # ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
# DAMAGES
# # (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES;
# # LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED
# AND
# # ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
# # (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
# THIS
# # SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
4. Time Zone Database

ICU uses the public domain data and code derived from Time Zone Database for its time zone support. The ownership of the TZ database is explained in BCP 175: Procedure for Maintaining the Time Zone Database section 7.

7. Database Ownership

The TZ database itself is not an IETF Contribution or an IETF document. Rather it is a pre-existing and regularly updated work that is in the public domain, and is intended to remain in the public domain. Therefore, BCPs 78 [RFC5378] and 79 [RFC3979] do not apply to the TZ Database or contributions that individuals make to it.

Should any claims be made and substantiated against the TZ Database, the organization that is providing the IANA Considerations defined in this RFC, under the memorandum of understanding with the IETF, currently ICANN, may act in accordance with all competent court orders. No ownership claims will be made by ICANN or the IETF Trust on the database or the code. Any person making a contribution to the database or code waives all rights to future claims in that contribution or in the TZ Database.

Janson

The following software may be included in this product:

Janson 2.6

Include the following verbatim in the documentation:

Licence Text:

Copyright (c) (c) 2009-2013 Petri Lehtinen <petri@digip.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
THE SOFTWARE.

jQuery UI

The following software may be included in this product:
Copyright (c) 2012 Paul Bakaus, http://jqueryui.com/

This software consists of voluntary contributions made by many
individuals (AUTHORS.txt, http://jqueryui.com/about) For exact
contribution history, see the revision history and logs, available
at http://jquery-ui.googlecode.com/svn/

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

jQuery v 1.10.2

The following software may be included in this product:
jQuery v 1.10.2
Copyright 2005, 2013 jQuery Foundation, Inc. and other contributors
http://jquery.com/

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

******************************************

The jQuery JavaScript Library v1.10.2 also includes Sizzle.js

Sizzle.js includes the following license:

Copyright JS Foundation and other contributors, https://js.foundation/
This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at https://github.com/jquery/sizzle
The following license applies to all parts of this software except as documented below:

=====

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

=====
All files located in the node_modules and external directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

**********************

Kerberos5

The following software may be included in this product:
Kerberos5

Copyright (C) 1985-2019 by the Massachusetts Institute of Technology.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Downloading of this software may constitute an export of cryptographic software from the United States of America that is subject to the United States Export Administration Regulations (EAR), 15 CFR 730-774. Additional laws or regulations may apply. It is the responsibility of the person or entity contemplating export to comply with all applicable export laws and regulations, including obtaining any required license from the U.S. government.
The U.S. government prohibits export of encryption source code to certain countries and individuals, including, but not limited to, the countries of Cuba, Iran, North Korea, Sudan, Syria, and residents and nationals of those countries.

Documentation components of this software distribution are licensed under a Creative Commons Attribution-ShareAlike 3.0 Unported License. (http://creativecommons.org/licenses/by-sa/3.0/)

Individual source code files are copyright MIT, Cygnus Support, Novell, OpenVision Technologies, Oracle, Red Hat, Sun Microsystems, FundsXpress, and others.

Project Athena, Athena, Athena MUSE, Discuss, Hesiod, Kerberos, Moira, and Zephyr are trademarks of the Massachusetts Institute of Technology (MIT). No commercial use of these trademarks may be made without prior written permission of MIT.

"Commercial use" means use of a name in a product or other for-profit manner. It does NOT prevent a commercial firm from referring to the MIT trademarks in order to convey information (although in doing so, recognition of their trademark status should be given).

======================================================================

The following copyright and permission notice applies to the OpenVision Kerberos Administration system located in "kadmin/create", "kadmin/dbutil", "kadmin/passwd", "kadmin/server", "lib/kadm5", and portions of "lib/rpc":


WARNING: Retrieving the OpenVision Kerberos Administration system source code, as described below, indicates your acceptance of the following terms. If you do not agree to the following terms, do not retrieve the OpenVision Kerberos administration system.

You may freely use and distribute the Source Code and Object Code compiled from it, with or without modification, but this Source Code is provided to you "AS IS" EXCLUSIVE OF ANY WARRANTY, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, WHETHER EXPRESS OR IMPLIED. IN NO EVENT WILL OPENVISION HAVE ANY LIABILITY FOR ANY LOST PROFITS, LOSS OF DATA OR COSTS OF PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES, OR FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THIS AGREEMENT, INCLUDING, WITHOUT LIMITATION, THOSE RESULTING FROM THE USE OF THE SOURCE
CODE, OR THE FAILURE OF THE SOURCE CODE TO PERFORM, OR FOR ANY OTHER REASON.

OpenVision retains all copyrights in the donated Source Code. OpenVision also retains copyright to derivative works of the Source Code, whether created by OpenVision or by a third party. The OpenVision copyright notice must be preserved if derivative works are made based on the donated Source Code.

OpenVision Technologies, Inc. has donated this Kerberos Administration system to MIT for inclusion in the standard Kerberos 5 distribution. This donation underscores our commitment to continuing Kerberos technology development and our gratitude for the valuable work which has been performed by MIT and the Kerberos community.

======================================================================
Portions contributed by Matt Crawford "crawdad@fnal.gov" were work performed at Fermi National Accelerator Laboratory, which is operated by Universities Research Association, Inc., under contract DE-AC02-76CHO3000 with the U.S. Department of Energy.

======================================================================
Portions of "src/lib/crypto" have the following copyright:

Copyright (C) 1998 by the FundsXpress, INC.

All rights reserved.

Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of FundsXpress. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. FundsXpress makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

======================================================================

The implementation of the AES encryption algorithm in "src/lib/crypto/builtin/aes" has the following copyright:

Copyright (C) 2001, Dr Brian Gladman "brg@gladman.uk.net", Worcester, UK.
All rights reserved.

LICENSE TERMS

The free distribution and use of this software in both source and binary form is allowed (with or without changes) provided that:

1. distributions of this source code include the above copyright notice, this list of conditions and the following disclaimer;

2. distributions in binary form include the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other associated materials;

3. the copyright holder's name is not used to endorse products built using this software without specific written permission.

DISCLAIMER

This software is provided 'as is' with no explicit or implied warranties in respect of any properties, including, but not limited to, correctness and fitness for purpose.

======================================================================

Portions contributed by Red Hat, including the pre-authentication plug-in framework and the NSS crypto implementation, contain the following copyright:

Copyright (C) 2006 Red Hat, Inc.
Portions copyright (C) 2006 Massachusetts Institute of Technology All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Red Hat, Inc., nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The bundled verto source code is subject to the following license:

Copyright 2011 Red Hat, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================

The MS-KKDCP client implementation has the following copyright:

Copyright 2013,2014 Red Hat, Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kpropd.log.c
are subject to the following license:

Copyright (C) 2004 Sun Microsystems, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================

Kerberos V5 includes documentation and software developed at the University of California at Berkeley, which includes this copyright notice:

Copyright (C) 1983 Regents of the University of California.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================
Portions contributed by Novell, Inc., including the LDAP database backend, are subject to the following license:

Copyright (C) 2004-2005, Novell, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* The copyright holder's name is not used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================
Portions funded by Sandia National Laboratory and developed by the
University of Michigan's Center for Information Technology
Integration, including the PKINIT implementation, are subject to the
following license:

COPYRIGHT (C) 2006-2007
THE REGENTS OF THE UNIVERSITY OF MICHIGAN
ALL RIGHTS RESERVED

Permission is granted to use, copy, create derivative works and
redistribute this software and such derivative works for any
purpose, so long as the name of The University of Michigan is not
used in any advertising or publicity pertaining to the use of
distribution of this software without specific, written prior
authorization. If the above copyright notice or any other
identification of the University of Michigan is included in any
copy of any portion of this software, then the disclaimer below
must also be included.

THIS SOFTWARE IS PROVIDED AS IS, WITHOUT REPRESENTATION FROM THE
UNIVERSITY OF MICHIGAN AS TO ITS FITNESS FOR ANY PURPOSE, AND
WITHOUT WARRANTY BY THE UNIVERSITY OF MICHIGAN OF ANY KIND, EITHER
EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
THE REGENTS OF THE UNIVERSITY OF MICHIGAN SHALL NOT BE LIABLE FOR
ANY DAMAGES, INCLUDING SPECIAL, INDIRECT, INCIDENTAL, OR
CONSEQUENTIAL DAMAGES, WITH RESPECT TO ANY CLAIM ARISING OUT OF OR
IN CONNECTION WITH THE USE OF THE SOFTWARE, EVEN IF IT HAS BEEN OR
IS HEREAFTER ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

======================================================================

The pkcs11.h file included in the PKINIT code has the following
license:

Copyright 2006 g10 Code GmbH
Copyright 2006 Andreas Jellinghaus

This file is free software; as a special exception the author gives unlimited permission to copy and/or distribute it, with or without modifications, as long as this notice is preserved.

This file is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, to the extent permitted by law; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

======================================================================

Portions contributed by Apple Inc. are subject to the following license:

Copyright 2004-2008 Apple Inc. All Rights Reserved.

Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Apple Inc. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Apple Inc. makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

======================================================================

The implementations of UTF-8 string handling in src/util/support and src/lib/krb5/unicode are subject to the following copyright and permission notice:

The OpenLDAP Public License
Version 2.8, 17 August 2003

Redistribution and use of this software and associated
documentation ("Software"), with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source form must retain copyright statements and notices,

2. Redistributions in binary form must reproduce applicable copyright statements and notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution, and

3. Redistributions must contain a verbatim copy of this document.

The OpenLDAP Foundation may revise this license from time to time. Each revision is distinguished by a version number. You may use this Software under terms of this license revision or under the terms of any subsequent revision of the license.

THIS SOFTWARE IS PROVIDED BY THE OPENLDAP FOUNDATION AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OPENLDAP FOUNDATION, ITS CONTRIBUTORS, OR THE AUTHOR(S) OR OWNER(S) OF THE SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The names of the authors and copyright holders must not be used in advertising or otherwise to promote the sale, use or other dealing in this Software without specific, written prior permission. Title to copyright in this Software shall at all times remain with copyright holders.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Copyright 1999-2003 The OpenLDAP Foundation, Redwood City, California, USA. All Rights Reserved. Permission to copy and distribute verbatim copies of this document is granted.
Marked test programs in src/lib/krb5/krb have the following copyright:

Copyright (C) 2006 Kungliga Tekniska Hgskolan
(Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above
   copyright notice, this list of conditions and the following
   disclaimer in the documentation and/or other materials provided
   with the distribution.

3. Neither the name of KTH nor the names of its contributors may be
   used to endorse or promote products derived from this software
   without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY KTH AND ITS CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL KTH OR ITS
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

======================================================================

The KCM Mach RPC definition file used on macOS has the following
copyright:

Copyright (C) 2009 Kungliga Tekniska Hgskolan
(Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.
Portions Copyright (C) 2009 Apple Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the Institute nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Portions of the RPC implementation in src/lib/rpc and src/include/gssrpc have the following copyright and permission notice:

Copyright (C) 2010, Oracle America, Inc.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the "Oracle America, Inc." nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Copyright (C) 2006,2007,2009 NTT (Nippon Telegraph and Telephone Corporation). All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer as the first lines of this file unmodified.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
THIS SOFTWARE IS PROVIDED BY NTT "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL NTT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Copyright 2000 by Carnegie Mellon University

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Carnegie Mellon University not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL CARNEGIE MELLON UNIVERSITY BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

======================================================================

Copyright (C) 2002 Naval Research Laboratory (NRL/CCS)

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof.

NRL ALLOWS FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION AND
DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER
RESULTING FROM THE USE OF THIS SOFTWARE.

======================================================================
Portions extracted from Internet RFCs have the following copyright
notice:

Copyright (C) The Internet Society (2006).

This document is subject to the rights, licenses and restrictions
contained in BCP 78, and except as set forth therein, the authors
retain all their rights.

This document and the information contained herein are provided on
an "AS IS" basis and THE CONTRIBUTOR, THE ORGANIZATION HE/SHE
REPRESENTS OR IS SPONSORED BY (IF ANY), THE INTERNET SOCIETY AND
THE INTERNET ENGINEERING TASK FORCE DISCLAIM ALL WARRANTIES,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT
THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR
ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A
PARTICULAR PURPOSE.

======================================================================

Permission to use, copy, modify, and distribute this software and
its documentation for any purpose and without fee is hereby
granted, provided that the above copyright notice appear in all
copies and that both that copyright notice and this permission
notice appear in supporting documentation. Cygnus Support makes no
representations about the suitability of this software for any
purpose. It is provided "as is" without express or implied
warranty.

======================================================================

Copyright (C) 2006 Secure Endpoints Inc.

Permission is hereby granted, free of charge, to any person
obtaining a copy of this software and associated documentation
files (the "Software"), to deal in the Software without
restriction, including without limitation the rights to use, copy,
modify, merge, publish, distribute, sublicense, and/or sell copies
of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================

Portions of the implementation of the Fortuna-like PRNG are subject to the following notice:

Copyright (C) 2005 Marko Kreen
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
Copyright (C) 1994 by the University of Southern California

EXPORT OF THIS SOFTWARE from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to copy, modify, and distribute this software and its documentation in source and binary forms is hereby granted, provided that any documentation or other materials related to such distribution or use acknowledge that the software was developed by the University of Southern California.

DISCLAIMER OF WARRANTY. THIS SOFTWARE IS PROVIDED "AS IS". The University of Southern California MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. By way of example, but not limitation, the University of Southern California MAKES NO REPRESENTATIONS OR WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. The University of Southern California shall not be held liable for any liability nor for any direct, indirect, or consequential damages with respect to any claim by the user or distributor of the ksu software.

======================================================================

Copyright (C) 1995
The President and Fellows of Harvard University

This code is derived from software contributed to Harvard by Jeremy Rassen.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgement:
This product includes software developed by the University of California, Berkeley and its contributors.

4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Copyright (C) 2008 by the Massachusetts Institute of Technology.
Copyright 1995 by Richard P. Basch. All Rights Reserved.
Copyright 1995 by Lehman Brothers, Inc. All Rights Reserved.

Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Richard P. Basch, Lehman Brothers and M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Richard P. Basch, Lehman Brothers and M.I.T. make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

======================================================================

The following notice applies to "src/lib/krb5/krb/strptime.c" and
"src/include/k5-queue.h".

Copyright (C) 1997, 1998 The NetBSD Foundation, Inc.
All rights reserved.

This code was contributed to The NetBSD Foundation by Klaus Klein.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgement:

   This product includes software developed by the NetBSD Foundation, Inc. and its contributors.

4. Neither the name of The NetBSD Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================
The following notice applies to Unicode library files in
"src/lib/krb5/unicode":

Copyright 1997, 1998, 1999 Computing Research Labs,
New Mexico State University

Permission is hereby granted, free of charge, to any person
obtaining a copy of this software and associated documentation
files (the "Software"), to deal in the Software without
restriction, including without limitation the rights to use, copy,
modify, merge, publish, distribute, sublicense, and/or sell copies
of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE COMPUTING RESEARCH LAB OR
NEW MEXICO STATE UNIVERSITY BE LIABLE FOR ANY CLAIM, DAMAGES OR
OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR
OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE
OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================

The following notice applies to "src/util/support/strlcpy.c":

Copyright (C) 1998 Todd C. Miller "Todd.Miller@courtesan.com"

Permission to use, copy, modify, and distribute this software for
any purpose with or without fee is hereby granted, provided that
the above copyright notice and this permission notice appear in all
copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL
WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE
AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR
CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS
OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT,
NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN
CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

======================================================================
The following notice applies to "src/util/profile/argv_parse.c" and "src/util/profile/argv_parse.h":

Copyright 1999 by Theodore Ts'o.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND THEODORE TS'O (THE AUTHOR) DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. (Isn't it sick that the U.S. culture of lawsuit-happy lawyers requires this kind of disclaimer?)

======================================================================

The following notice applies to SWIG-generated code in "src/util/profile/profile_tcl.c":

Copyright (C) 1999-2000, The University of Chicago

This file may be freely redistributed without license or fee provided this copyright message remains intact.

======================================================================

The following notice applies to portions of "src/lib/rpc" and "src/include/gssrpc":

Copyright (C) 2000 The Regents of the University of Michigan. All rights reserved.

Copyright (C) 2000 Dug Song "dugsong@UMICH.EDU". All rights reserved, all wrongs reversed.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Implementations of the MD4 algorithm are subject to the following notice:

Copyright (C) 1990, RSA Data Security, Inc. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD4 Message Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD4 Message Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

======================================================================
Implementations of the MD5 algorithm are subject to the following notice:

Copyright (C) 1990, RSA Data Security, Inc. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

======================================================================

The following notice applies to "src/lib/crypto/crypto_tests/t_mddriver.c":

Copyright (C) 1990-2, RSA Data Security, Inc. Created 1990. All rights reserved.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

======================================================================

Portions of "src/lib/krb5" are subject to the following notice:

Copyright (C) 1994 CyberSAFE Corporation.
All Rights Reserved.
Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Furthermore if you modify this software you must label your software as modified software and not distribute it in such a fashion that it might be confused with the original M.I.T. software. Neither M.I.T., the Open Computing Security Group, nor CyberSAFE Corporation make any representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

======================================================================

Portions contributed by PADL Software are subject to the following license:

Copyright (c) 2011, PADL Software Pty Ltd. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of PADL Software nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY PADL SOFTWARE AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL PADL SOFTWARE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The bundled libev source code is subject to the following license:

All files in libev are Copyright (C)2007,2008,2009 Marc Alexander Lehmann.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Alternatively, the contents of this package may be used under the terms of the GNU General Public License ("GPL") version 2 or any
later version, in which case the provisions of the GPL are
applicable instead of the above. If you wish to allow the use of
your version of this package only under the terms of the GPL and
not to allow others to use your version of this file under the BSD
license, indicate your decision by deleting the provisions above
and replace them with the notice and other provisions required by
the GPL in this and the other files of this package. If you do not
delete the provisions above, a recipient may use your version of
this file under either the BSD or the GPL.

======================================================================

Files copied from the Intel AESNI Sample Library are subject to the
following license:

Copyright (C) 2010, Intel Corporation
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above
  copyright notice, this list of conditions and the following
  disclaimer in the documentation and/or other materials
  provided with the distribution.

* Neither the name of Intel Corporation nor the names of its
  contributors may be used to endorse or promote products
  derived from this software without specific prior written
  permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The following notice applies to
"src/ccapi/common/win/OldCC/autolock.hxx":

Copyright (C) 1998 by Danilo Almeida. All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above
  copyright notice, this list of conditions and the following
  disclaimer in the documentation and/or other materials provided
  with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.

lib_sql.cc

The following software may be included in this product:

    lib_sql.cc
Copyright (c) 2000
SWsoft company

This material is provided "as is", with absolutely no warranty
expressed or implied. Any use is at your own risk.
Permission to use or copy this software for any purpose is hereby granted without fee, provided the above notices are retained on all copies. Permission to modify the code and to distribute modified code is granted, provided the above notices are retained, and a notice that the code was modified is included with the above copyright notice.

This code was modified by the MySQL team.

Libaio

The following software may be included in this product:
libaio

You may be receiving a copy of the Libaio library with this MySQL product. The terms of the Oracle license do NOT apply to the Libaio library; it is licensed under the following license, separately from the Oracle programs you receive. If you do not wish to install this program, you may delete its files.

This component is licensed under GNU Lesser General Public License Version 2.1, February 1999.

libeditline-color

The following software may be included in this product:
libeditline-color

Copyright (c) 1992, 1993
The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by Christos Zoulas of Cornell University.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

libevent

The following software may be included in this product:
Copyright (c) 2000-2007 Niels Provos <provos@citi.umich.edu>
Copyright (c) 2007-2012 Niels Provos and Nick Mathewson

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

==============================
Portions of Libevent are based on works by others, also made available by them under the three-clause BSD license above. The copyright notices are available in the corresponding source files; the license is as above. Here's a list:

log.c:
Copyright (c) 2000 Dug Song <dugsong@monkey.org>
Copyright (c) 1993 The Regents of the University of California.
str1cpy.c:
Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

win32select.c:
Copyright (c) 2003 Michael A. Davis <mike@datanerds.net>

evport.c:
Copyright (c) 2007 Sun Microsystems

ht-internal.h:
Copyright (c) 2002 Christopher Clark

minheap-internal.h:
Copyright (c) 2006 Maxim Yegorushkin <maxim.yegorushkin@gmail.com>

=====================================

The arc4module is available under the following, sometimes called the
"OpenBSD" license:

Copyright (c) 1996, David Mazieres <dm@uun.org>
Copyright (c) 2008, Damien Miller <djm@openbsd.org>

Permission to use, copy, modify, and distribute this software for any
purpose with or without fee is hereby granted, provided that the above
copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES
WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR
ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF
OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

=====================================

The Windows timer code is based on code from libutp, which is
distributed under this license, sometimes called the "MIT" license.

Copyright (c) 2010 BitTorrent, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

libgcc & libstdc++ Libraries

The following software may be included in this product:

libgcc & libstdc++ libraries

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore,
you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.
"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one
that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in
force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.
You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to “keep intact all notices”.

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an “aggregate” if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation’s users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor
of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document
contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work
occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.
Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that
contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future
versions of the GNU General Public License can be used, that proxy's
d Public License can be used, that proxy's
public statement of acceptance of a version permanently authorizes
you to choose that version for the Program.

Later license versions may give you additional or different
permissions. However, no additional obligations are imposed on any
author or copyright holder as a result of your choosing to follow
a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT
WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT
NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND
PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE
DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR
OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR
CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES
ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING
BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE
OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE
PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER
OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make
it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine
library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

==

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

Copyright (c) 2009 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without modifications, governed by version 3 (or a specified later version) of the GNU General Public License (GPL) with the option of using any subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any
format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

2. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of GCC.

==

==
Copyright (c) 1994
Hewlett-Packard Company

Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

==

==
Copyright (c) 1996,1997
Silicon Graphics Computer Systems, Inc.

Permission to use, copy, modify, distribute and sell this software
and its documentation for any purpose is hereby granted without fee,
provided that the above copyright notice appear in all copies and
that both that copyright notice and this permission notice appear
in supporting documentation. Silicon Graphics makes no
representations about the suitability of this software for any
purpose. It is provided "as is" without express or implied
warranty.

==

==

shared_count.hpp
@ Copyright (c) 2001, 2002, 2003 Peter Dimov and Multi Media Ltd.

shared_ptr.hpp
Copyright (C) 1998, 1999 Greg Colvin and Beman Dawes.
Copyright (C) 2001, 2002, 2003 Peter Dimov

weak_ptr.hpp
Copyright (C) 2001, 2002, 2003 Peter Dimov

enable_shared_from_this.hpp
Copyright (C) 2002 Peter Dimov

Distributed under the Boost Software License, Version 1.0.

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or
organization obtaining a copy of the software and accompanying
documentation covered by this license (the "Software") to use,
reproduce, display, distribute, execute, and transmit the Software,
and to prepare derivative works of the Software, and to permit
third-parties to whom the Software is furnished to do so, all subject
to the following:

The copyright notices in the Software and this entire statement,
including the above license grant, this restriction and the following
disclaimer, must be included in all copies of the Software, in whole
or in part, and all derivative works of the Software, unless such
copies or derivative works are solely in the form of machine-executable
object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

==

Copyright (C) 2004 Ami Tavory and Vladimir Dreizin, IBM-HRL.

Permission to use, copy, modify, sell, and distribute this software is hereby granted without fee, provided that the above copyright notice appears in all copies, and that both that copyright notice and this permission notice appear in supporting documentation. None of the above authors, nor IBM Haifa Research Laboratories, make any representation about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

==

libssh v0.7.3

The following software may be included in this product:

libssh v0.7.3
You are receiving a copy of libssh as part of MySQL Shell (a component of the MySQL server) in object code form. The terms of the Oracle license do NOT apply to libssh; libssh is licensed under the LGPLv2.1 license, separate from MySQL. If you do not wish to install this library, you may remove it, but the Oracle program might not operate properly or at all without it. Depending on the operating system the library can be found in the following locations:

- Linux: <librarydir-prefix>/mysql-shell/libssh.so
- OSX: <librarydir-prefix>/mysql-shell/libssh.dylib
- Windows: <installation-path>\bin\libssh.dll

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
This component is licensed under GNU Lesser General Public License

Additional Libraries Used by libssh

libssh has dependencies on the following libraries:
libgcrypt v1.7.3

The library is distributed under the terms of the GNU Lesser
General Public License (LGPL); see the file COPYING.LIB for the
actual terms. The helper programs (e.g. gcryptvrd and getrandom)
as well as the documentation are distributed under the terms of
the GNU General Public License (GPL); see the file COPYING for the
actual terms. The file LICENSES has notices about contributions
that require these additional notices are distributed.

Oracle’s libssh implementation does not use any of the GPL licensed files that a
re included
with the libgcrypt distribution

libgpg-error v1.24

Oracle uses a subset of the files in libgpg-error to build libssh,
All of the files used by Oracle are licensed under the LGPLv2.1

Libgpg-error is free software; you can redistribute it and/or modify
it under the terms of the GNU Lesser General Public License as
published by the Free Software Foundation; either version 2.1 of the
License, or (at your option) any later version. See the file
COPYING.LIB for copyright and warranty information. See the file
AUTHORS for a list of authors and important mail addresses.

However, some files (for example src/mkerrnos.awk) used in the build
process of the library and the manual are covered by a different
license. Please see the header of these files and the file COPYING
for copyright and warranty information on these files. A special
exception in the copyright license of these files makes sure that the
output in the build process, which is used in libgpg-error, is not
affected by the GPL.

COPYING:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distributing so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent licensing would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and “any
later version”, you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year  name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

COPYING.LIB:
---------------------------------------------------------------------
GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of
this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations
below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the
library, and (2) we offer you this license, which gives you legal
permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that
there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know
that what they have is not the original version, so that the original
author's reputation will not be affected by problems that might be
introduced by others.

Finally, software patents pose a constant threat to the existence of
any free program. We wish to make sure that a company cannot
effectively restrict the users of a free program by obtaining a
restrictive license from a patent holder. Therefore, we insist that
any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the
ordinary GNU General Public License. This license, the GNU Lesser
General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License. We use
this license for certain libraries in order to permit linking those
libraries into non-free programs.

When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the
entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with
the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages
are the reason we use the ordinary General Public License for many
libraries. However, the Lesser license provides advantages in certain
special circumstances.

For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it
becomes a de-facto standard. To achieve this, non-free programs must
be allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this
case, there is little to gain by limiting the free library to free
software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free
programs enables a greater number of people to use a large body of
free software. For example, permission to use the GNU C Library in
non-free programs enables many more people to use the whole GNU
operating system, as well as its variant, the GNU/Linux operating
system.

Although the Lesser General Public License is Less protective of the
users' freedom, it does ensure that the user of a program that is
linked with the Library has the freedom and the wherewithal to run
that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and
modification follow. Pay close attention to the difference between a
"work based on the library" and a "work that uses the library". The
former contains code derived from the library, whereas the latter must
be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other
program which contains a notice placed by the copyright holder or
other authorized party saying it may be distributed under the terms of
this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data
prepared so as to be conveniently linked with application programs
(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library’s complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least
three years, to give the same user the materials specified in
Subsection 6a, above, for a charge no more than the cost of
performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above,

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING 
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A 
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF 
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH 
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest 
possible use to the public, we recommend making it free software that 
everyone can redistribute and change. You can do so by permitting 
redistribution under these terms (or, alternatively, under the terms 
of the ordinary General Public License).

To apply these terms, attach the following notices to the library. 
It is safest to attach them to the start of each source file to most 
effectively convey the exclusion of warranty; and each file should 
have at least the "copyright" line and a pointer to where the full 
notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or 
modify it under the terms of the GNU Lesser General Public 
License as published by the Free Software Foundation; either 
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, 
but WITHOUT ANY WARRANTY; without even the implied warranty of 
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU 
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public 
License along with this library; if not, write to the Free Software 
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or 
your school, if any, to sign a "copyright disclaimer" for the library, 
if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the 
library `Frob' (a library for tweaking knobs) written by James
Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

libunwind

The following software may be included in this product:

libunwind
Copyright (c) 2002 Hewlett-Packard Co.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

linenoise-ng

The following software may be included in this product:

linenoise-ng.cpp
Copyright (c) 2010, Salvatore Sanfilippo <antirez at gmail dot com>
Copyright (c) 2010, Pieter Noordhuis <pcnoordhuis at gmail dot com>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Redis nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

wcwidth.cpp
Markus Kuhn -- 2007-05-26 (Unicode 5.0)

Permission to use, copy, modify, and distribute this software for any purpose and without fee is hereby granted. The author disclaims all warranties with regard to this software.

ConvertUTF.cpp
Copyright 2001-2004 Unicode, Inc.

Disclaimer

This source code is provided as is by Unicode, Inc. No claims are made as to fitness for any particular purpose. No warranties of any kind are expressed or implied. The recipient agrees to determine applicability of information provided. If this file has been purchased on magnetic or optical media from Unicode, Inc., the sole remedy for any claim will be exchange of defective media within 90 days of receipt.

Limitations on Rights to Redistribute This Code

Unicode, Inc. hereby grants the right to freely use the information supplied in this file in the creation of products supporting the Unicode Standard, and to make copies of this file in any form for internal or external distribution as long as this notice
remains attached.

Linux-PAM

The following software may be included in this product:
Linux-PAM (pam-devel, Pluggable authentication modules for Linux)

Copyright Theodore Ts'o, 1996. All rights reserved.

(For the avoidance of doubt, Oracle uses and distributes this
component under the terms below and elects not to do so under
the GPL even though the GPL is referenced as an option below.)

Redistribution and use in source and binary forms, with or
without modification, are permitted provided that the following
conditions are met:

1. Redistributions of source code must retain the above copyright
   notice, and the entire permission notice in its entirety,
   including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in
   the documentation and/or other materials provided with the
distribution.
3. The name of the author may not be used to endorse or promote
   products derived from this software without specific prior
   written permission.

ALTERNATIVELY, this product may be distributed under the terms
of the GNU Public License, in which case the provisions of the
GPL are required INSTEAD OF the above restrictions. (This clause
is necessary due to a potential bad interaction between the GPL
and the restrictions contained in a BSD-style copyright.)

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT,
INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.

LZ4
The following software may be included in this product:
LZ4 Library
Copyright (c) 2011-2016, Yann Collet
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

md5 (Message-Digest Algorithm 5)

The following software may be included in this product:
md5 (Message-Digest Algorithm 5)

This code implements the MD5 message-digest algorithm.
The algorithm is due to Ron Rivest. This code was written by Colin Plumb in 1993, no copyright is claimed. This code is in the public domain; do with it what you wish.

Equivalent code is available from RSA Data Security, Inc.
This code has been tested against that, and is equivalent, except that you don't need to include two pages of legalese with every copy.

The code has been modified by Mikael Ronstroem to handle calculating a hash value of a key that is always a multiple of 4 bytes long. Word 0 of the calculated 4-word hash value is returned as the hash value.

MeCab
The following software may be included in this product:
Copyright (c) 2001-2008, Taku Kudo
Copyright (c) 2004-2008, Nippon Telegraph and Telephone Corporation
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

* Redistributions of source code must retain the above
copyright notice, this list of conditions and the
following disclaimer.

* Redistributions in binary form must reproduce the above
copyright notice, this list of conditions and the
following disclaimer in the documentation and/or other
materials provided with the distribution.

* Neither the name of the Nippon Telegraph and Telegraph Corporation
nor the names of its contributors may be used to endorse or
promote products derived from this software without specific
prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING,
BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN
ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

MeCab Dictionary

The following software may be included in this product:
All Rights Reserved.

Use, reproduction, and distribution of this software is permitted. Any copy
of this software, whether in its original form or modified, must include both
the above copyright notice and the following paragraphs.

Nara Institute of Science and Technology (NAIST), the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and fitness, in no event shall NAIST be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortuous action, arising out of or in connection with the use or performance of this software.

A large portion of the dictionary entries originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had
knowledge of, the possibility of such damages at any time during the project or thereof. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

memcached

The following software may be included in this product:

memcached
Copyright (c) 2003, Danga Interactive, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Danga Interactive nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

nt_servc (Windows NT Service class library)

The following software may be included in this product:

nt_servc (Windows NT Service class library)
Windows NT Service class library
Copyright Abandoned 1998 Irena Pancirov - Irnet Snc
This file is public domain and comes with NO WARRANTY of any kind

NUMA

The following software may be included in this product:
You are receiving a copy of libnuma as part of MySQL in object code form.
The terms of the Oracle license do NOT apply to libnuma; the libnuma source code is licensed under the LGPLv2.1 license.

This component is licensed under GNU Lesser General Public License

OpenPAM

The following software may be included in this product:

OpenPAM
Copyright (c) 2002-2003 Networks Associates Technology, Inc.
Copyright (c) 2004-2007 Dag-Erling Smrgrav
All rights reserved.

This software was developed for the FreeBSD Project by
ThinkSec AS and Network Associates Laboratories, the
Security Research Division of Network Associates, Inc.
under DARPA/SPAWAR contract N66001-01-C-8035 ("CBOSS"),
as part of the DARPA CHATS research program.

Redistribution and use in source and binary forms,
with or without modification, are permitted provided
that the following conditions are met:

1. Redistributions of source code must retain the above
copyright notice, this list of conditions and the
following disclaimer.
2. Redistributions in binary form must reproduce the
above copyright notice, this list of conditions and
the following disclaimer in the documentation and/or
other materials provided with the distribution.
3. The name of the author may not be used to endorse or
promote products derived from this software without
specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING,
BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN
NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR
ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED
AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN
IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

OpenSSL License

You are receiving a copy of OpenSSL as part of this product in object
code form. The terms of the Oracle license do NOT apply to OpenSSL.
OpenSSL is licensed under a double license, of the OpenSSL License and
the original SSLeay license, separate from the Oracle product. If you
do not wish to install this library, you may remove it, but the Oracle
program might not operate properly or at all without it.
LICENSE ISSUES
=============

The OpenSSL toolkit stays under a double license, i.e. both the conditions of
the OpenSSL License and the original SSLeay license apply to the toolkit.
See below for the actual license texts.

OpenSSL License

-----------

/* ====================================================================
 * Copyright (c) 1998-2019 The OpenSSL Project.  All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 *
 * modification, are permitted provided that the following conditions
* are met:
* 

* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 

* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in
* the documentation and/or other materials provided with the
* distribution.
* 

* 3. All advertising materials mentioning features or use of this
* software must display the following acknowledgment:
* 
* "This product includes software developed by the OpenSSL Project
* for use in the OpenSSL Toolkit (http://www.openssl.org/)
* 
* 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
* endorse or promote products derived from this software without
* prior written permission. For written permission, please contact
* openssl-core@openssl.org.
* 
* 5. Products derived from this software may not be called "OpenSSL"
* nor may "OpenSSL" appear in their names without prior written
* permission of the OpenSSL Project.
* 
* 6. Redistributions of any form whatsoever must retain the following
* acknowledgment:
* 
* "This product includes software developed by the OpenSSL Project

for use in the OpenSSL Toolkit (http://www.openssl.org/)

* THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY
* EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
* PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
* STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
* OF THE POSSIBILITY OF SUCH DAMAGE.

* ====================================================================
* Original SSLeay License
* -----------------------
* /* Copyright (C) 1995-1998 Eric Young
* * (eay@cryptsoft.com). This product includes software written by Tim
* * Hudson (tjh@cryptsoft.com).
* */

Original SSLeay License
-----------------------
/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)

* All rights reserved.
* *
* This package is an SSL implementation written
* by Eric Young (eay@cryptsoft.com).

* The implementation was written so as to conform with Netscape's SSL.

* This library is free for commercial and non-commercial use as long as
  the following conditions are adhered to. The following conditions
  apply to all code found in this distribution, be it the RC4, RSA,
  lhash, DES, etc., code; not just the SSL code. The SSL documentation
  included with this distribution is covered by the same copyright terms
  except that the holder is Tim Hudson (tjh@cryptsoft.com).

* Copyright remains Eric Young's, and as such any Copyright notices in
  the code are not to be removed.

* If this package is used in a product, Eric Young should be given attribution
  as the author of the parts of the library used.

* This can be in the form of a textual message at program startup or
  in documentation (online or textual) provided with the package.

* Redistribution and use in source and binary forms, with or without
  modification, are permitted provided that the following conditions
  are met:

  * 1. Redistributions of source code must retain the copyright
     notice, this list of conditions and the following disclaimer.

  * 2. Redistributions in binary form must reproduce the above copyright
     notice, this list of conditions and the following disclaimer in the
     documentation and/or other materials provided with the distribution.

  * 3. All advertising materials mentioning features or use of this software
* must display the following acknowledgement:

* "This product includes cryptographic software written by

* Eric Young (eay@cryptsoft.com)"

* The word 'cryptographic' can be left out if the routines from the library

* being used are not cryptographic related :-).

* 4. If you include any Windows specific code (or a derivative thereof) from

* the apps directory (application code) you must include an acknowledgement:

* "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

* THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND

* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE

* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE

* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE

* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS

* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT

* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY

* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF

* SUCH DAMAGE.

* The licence and distribution terms for any publically available version or

* derivative of this code cannot be changed. i.e. this code cannot simply be

* copied and put under another distribution licence

* [including the GNU Public Licence.]
Percona Multiple I/O Threads Patch

The following software may be included in this product:

Percona Multiple I/O threads patch
Copyright (c) 2008, 2009 Percona Inc
All rights reserved.

Redistribution and use of this software in source and binary forms,
with or without modification, are permitted provided that the
following conditions are met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

* Neither the name of Percona Inc. nor the names of its contributors
  may be used to endorse or promote products derived from this software
  without specific prior written permission of Percona Inc.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING,
BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN
ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

Pion

This Oracle Product includes or references Pion which is licensed to
Oracle under the following terms:
Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization
obtaining a copy of the software and accompanying documentation covered by
this license (the "Software") to use, reproduce, display, distribute,
execute, and transmit the Software, and to prepare derivative works of the
Software, and to permit third-parties to whom the Software is furnished to
do so, all subject to the following:

The copyright notices in the Software and this entire statement, including
the above license grant, this restriction and the following disclaimer,
must be included in all copies of the Software, in whole or in part, and
all derivative works of the Software, unless such copies or derivative
works are solely in the form of machine-executable object code generated by
a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT
SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE
FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE,
ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER
DEALINGS IN THE SOFTWARE.

RapidJSON v1.1.0

The following software may be included in this product:
Copyright (C) 2015 THL A29 Limited, a Tencent company, and Milo Yip. All
rights reserved.

If you have downloaded a copy of the RapidJSON binary from Tencent, please
note that the RapidJSON binary is licensed under the MIT License.
If you have downloaded a copy of the RapidJSON source code from Tencent,
please note that RapidJSON source code is licensed under the MIT License,
except for the third-party components listed below which are subject to
different license terms. Your integration of RapidJSON into your own
projects may require compliance with the MIT License, as well as the other
licenses applicable to the third-party components included within RapidJSON.
To avoid the problematic JSON license in your own projects, it's sufficient
to exclude the bin/jsonchecker/ directory, as it's the only code under the
JSON license.
A copy of the MIT License is included in this file.

Other dependencies and licenses:

Open Source Software Licensed Under the BSD License:

--------------------------------------------------------------------

The msinttypes r29
Copyright (c) 2006-2013 Alexander Chemeris
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS AND CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Open Source Software Licensed Under the JSON License:
-----------------------------------------------------

json.org
Copyright (c) 2002 JSON.org
All Rights Reserved.

JSON_checker
Copyright (c) 2002 JSON.org
All Rights Reserved.

Terms of the JSON License:
---------------------------

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The Software shall be used for Good, not Evil.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Terms of the MIT License:

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

RegEX-Spencer Library

The following software may be included in this product: Henry Spencer's Regular-Expression Library (RegEX-Spencer)
Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved.
This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.

2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources,
credits must appear in the documentation.

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.

4. This notice may not be removed or altered.

Richard A. O'Keefe String Library

The following software may be included in this product:

Richard A. O'Keefe String Library

The Richard O'Keefe String Library is subject to the following notice:

These files are in the public domain. This includes getopt.c, which is the work of Henry Spencer, University of Toronto Zoology, who says of it "None of this software is derived from Bell software. I had no access to the source for Bell's versions at the time I wrote it. This software is hereby explicitly placed in the public domain. It may be used for any purpose on any machine by anyone." I would greatly prefer it if *my* material received no military use.

The t_cctype.h file is subject to the following notice:

Copyright (C) 1998, 1999 by Pruet Boonma, all rights reserved.
Copyright (C) 1998 by Theppitak Karoonboonyanan, all rights reserved.

Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies.

Smaphan Raruenrom and Pruet Boonma makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

sajson

The following software may be included in this product:

sajson

Copyright (c) 2012 Chad Austin

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

SHA-1 in C

The following software may be included in this product:

SHA-1 in C
SHA-1 in C
By Steve Reid <steve@edmweb.com>
100% Public Domain

Snappy

The following software may be included in this product:

Snappy
Copyright 2011, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Socket.IO

The following software may be included in this product:
Copyright (c) 2014-2015 Automattic <dev@cloudup.com>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the 'Software'), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED 'AS IS', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Socket.IO Client

The following software may be included in this product:
Copyright (c) 2014 Guillermo Rauch

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Unicode Data Files, V9.0

The following software may be included in this product:

Unicode Data Files, V9.0

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories
http://www.unicode.org/Public/, http://www.unicode.org/reports/,
and
http://www.unicode.org/utility/trac/browser/.

Unicode Data Files do not include PDF online code charts under the directory http://www.unicode.org/Public/.

Software includes any source code published in the Unicode Standard or under the directories
http://www.unicode.org/Public/, http://www.unicode.org/reports/,
and
http://www.unicode.org/utility/trac/browser/.

NOTICE TO USER: Carefully read the following legal agreement.
BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.’S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT.
IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1991-2016 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal
in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either (a) this copyright and permission notice appear with all copies of the Data Files or Software, or (b) this copyright and permission notice appear in associated Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

========================================================================

ICU-LICENSE
-----------
ICU License - ICU 1.8.1 and later

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2016 International Business Machines Corporation and others

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.

xxHash

The following software may be included in this product:

    xxHash
Copyright (c) 2012-2014, Yann Collet
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

zlib

The following software may be included in this product:
zlib

Oracle gratefully acknowledges the contributions of Jean-loup Gailly and Mark Adler in creating the zlib general purpose compression library which is used in this product.

(C) 1995-2017 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

If you use the zlib library in a product, we would appreciate *not* receiving lengthy legal documents to sign. The sources are provided for free but without warranty of any kind. The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include third-party code.

If you redistribute modified sources, we would appreciate that you include in the file ChangeLog history information documenting your changes. Please read the FAQ for more information on the distribution of modified source versions.

ZSTD

The following software may be included in this product:

Zstandard
Zstandard is dual-licensed under [BSD](LICENSE) and [GPLv2](COPYING).

* This source code is licensed under both the BSD-style license (found in
The

* LICENSE file in the root directory of this source tree) and the GPLv2
(found

* in the COPYING file in the root directory of this source tree).

* You may select, at your option, one of the above-listed licenses.
  */

Oracle elects the BSD license

LICENSE:
Copyright (c) 2016-present, Facebook, Inc. All rights reserved.
Copyright (C) 2012-2016, Yann Collet.
Copyright (c) 2003-2008 Yuta Mori All Rights Reserved.
Copyright (c) 2016 Tino Reichardt
Copyright (c) 2016-present, Przemyslaw Skibinski, Yann Collet, Facebook, Inc.
Copyright (c) 2016-present, Yann Collet, Facebook, Inc.
Copyright (c) 2018-present, Facebook, Inc.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

* Redistributions of source code must retain the above copyright notice,
  this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice,
  this list of conditions and the following disclaimer in the documentation
  and/or other materials provided with the distribution.

* Neither the name Facebook nor the names of its contributors may be used to
  endorse or promote products derived from this software without specific
  prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS
IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING

Open Source Used In CSPC_Collector 2.9.1 2672
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following is from the COPYING file and is included for completeness:

-------------------------------
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

Commonly Used Licenses

Artistic License (Perl) 1.0

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing
"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.
b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called "undump" or "unexec" methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.

7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package's interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written
10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

GNU Lesser General Public License Version 2.1, February 1999

The following applies to all products licensed under the
GNU Lesser General Public License, Version 2.1: You may
not use the identified files except in compliance with
the GNU Lesser General Public License, Version 2.1 (the
"License"). You may obtain a copy of the License at
http://www.gnu.org/licenses/lgpl-2.1.html. A copy of the
license is also reproduced below. Unless required by
applicable law or agreed to in writing, software distributed
under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express
or implied. See the License for the specific language governing
permissions and limitations under the License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.
When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.
b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>  

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library 'Frob' (a library for tweaking knobs) written by James
Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU Lesser General Public License Version 2, June 1991

GNU LIBRARY GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2
because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to
share and change it. By contrast, the GNU General Public Licenses are
intended to guarantee your freedom to share and change free software--to make
sure the software is free for all its users.

This license, the Library General Public License, applies to some specially
designated Free Software Foundation software, and to any other libraries
whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our
General Public Licenses are designed to make sure that you have the freedom
to distribute copies of free software (and charge for this service if you
wish), that you receive source code or can get it if you want it, that you
can change the software or use pieces of it in new free programs; and that
you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to
deny you these rights or to ask you to surrender the rights. These
restrictions translate to certain responsibilities for you if you distribute
copies of the library, or if you modify it.
For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your
freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete
source code as you receive it, in any medium, provided that you conspicuously
and appropriately publish on each copy an appropriate copyright notice and
disclaimer of warranty; keep intact all the notices that refer to this
License and to the absence of any warranty; and distribute a copy of this
License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may
at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it,
thus forming a work based on the Library, and copy and distribute such
modifications or work under the terms of Section 1 above, provided that you
also meet all of these conditions:

   a) The modified work must itself be a software library.
   b) You must cause the files modified to carry prominent notices stating
      that you changed the files and the date of any change.
   c) You must cause the whole of the work to be licensed at no charge to
      all third parties under the terms of this License.
   d) If a facility in the modified Library refers to a function or a table
      of data to be supplied by an application program that uses the facility,
      other than as an argument passed when the facility is invoked, then you must
      make a good faith effort to ensure that, in the event an application does not
      supply such function or table, the facility still operates, and performs
      whatever part of its purpose remains meaningful.

      (For example, a function in a library to compute square roots has a
      purpose that is entirely well-defined independent of the application.
      Therefore, Subsection 2d requires that any application-supplied function or
      table used by this function must be optional: if the application does not
      supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable
sections of that work are not derived from the Library, and can be reasonably
considered independent and separate works in themselves, then this License,
and its terms, do not apply to those sections when you distribute them as
separate works. But when you distribute the same sections as part of a whole
which is a work based on the Library, the distribution of the whole must be
on the terms of this License, whose permissions for other licensees extend to
the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your
rights to work written entirely by you: rather, the intent is to exercise the
right to control the distribution of derivative or collective works based on
the Library.

In addition, mere aggregation of another work not based on the Library with
the Library (or with a work based on the Library) on a volume of a storage or
distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not
precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.
14. If you wish to incorporate parts of the Library into other free programs
whose distribution conditions are incompatible with these, write to the
author to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes make
exceptions for this. Our decision will be guided by the two goals of
preserving the free status of all derivatives of our free software and of
promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR
THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE
STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE
LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND
PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE,
YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO
LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR
THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER
SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible
use to the public, we recommend making it free software that everyone can
redistribute and change. You can do so by permitting redistribution under
these terms (or, alternatively, under the terms of the ordinary General
Public License).

To apply these terms, attach the following notices to the library. It is
saftest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

one line to give the library's name and an idea of what it does.
Copyright (C) year name of author

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Library General Public License for more details.

You should have received a copy of the GNU Library General Public
License along with this library; if not, write to the
Free Software Foundation, Inc., 51 Franklin St, Fifth Floor,
Boston, MA 02110-1301, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in
the library `Frob' (a library for tweaking knobs) written
by James Random Hacker.

signature of Ty Coon, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

MIT License

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR
OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE,
 ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR
OTHER DEALINGS IN THE SOFTWARE.

Written Offer for Source Code
For any software that you receive from Oracle in binary form which is licensed under an open source license that gives you the right to receive the source code for that binary, you can obtain a copy of the applicable source code by visiting http://www.oracle.com/goto/opensourcecode. If the source code for the binary was not provided to you with the binary, you can also receive a copy of the source code on physical media by submitting a written request to the address listed below or by sending an email to Oracle using the following link: http://www.oracle.com/goto/opensourcecode/request.

Oracle America, Inc.
Attn: Senior Vice President
Development and Engineering Legal
500 Oracle Parkway, 10th Floor
Redwood Shores, CA 94065

Your request should include:

* The name of the binary for which you are requesting the source code

* The name and version number of the Oracle product containing the binary

* The date you received the Oracle product

* Your name

* Your company name (if applicable)

* Your return mailing address and email, and

* A telephone number in the event we need to reach you.

We may charge you a fee to cover the cost of physical media and processing.

Your request must be sent
a. within three (3) years of the date you received the Oracle product that included the binary that is the subject of your request, or
b. in the case of code licensed under the GPL v3 for as long as Oracle offers spare parts or customer support for that product model.

COPYRIGHT AND PERMISSION NOTICE (ICU 58 and later)

Copyright 1991-2019 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in https://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining
a copy of the Unicode data files and any associated documentation
(the "Data Files") or Unicode software and any associated documentation
(the "Software") to deal in the Data Files or Software
without restriction, including without limitation the rights to use,
copy, modify, merge, publish, distribute, and/or sell copies of
the Data Files or Software, and to permit persons to whom the Data Files
or Software are furnished to do so, provided that either
(a) this copyright and permission notice appear with all copies
of the Data Files or Software, or
(b) this copyright and permission notice appear in associated
Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF
ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS
NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL
DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder
shall not be used in advertising or otherwise to promote the sale,
use or other dealings in these Data Files or Software without prior
written authorization of the copyright holder.

--------------------

Third-Party Software Licenses

This section contains third-party software notices and/or additional
terms for licensed third-party software components included within ICU
libraries.

1. ICU License - ICU 1.8.1 to ICU 57.1

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2016 International Business Machines Corporation and others
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, and/or sell copies of the Software, and to permit persons
to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.


# The Google Chrome software developed by Google is licensed under
# the BSD license. Other software included in this distribution is
# provided under other licenses, as set forth below.
#
# The BSD License
# http://opensource.org/licenses/bsd-license.php
# Copyright (C) 2006-2008, Google Inc.
#
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are met:
# # Redistributions of source code must retain the above copyright notice,
# # this list of conditions and the following disclaimer.
# # Redistributions in binary form must reproduce the above
# # copyright notice, this list of conditions and the following
# # disclaimer in the documentation and/or other materials provided with
# # the distribution.
# # Neither the name of Google Inc. nor the names of its
# # contributors may be used to endorse or promote products derived from
# # this software without specific prior written permission.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
# CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
# LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
# CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
# SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
# BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
# LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
# NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
# SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
#

# The word list in cjdict.txt are generated by combining three word lists
# listed below with further processing for compound word breaking. The
# frequency is generated with an iterative training against Google web
# corpora.
#
# * Libtabe (Chinese)
#   - https://sourceforge.net/project/?group_id=1519
#   - Its license terms and conditions are shown below.
#
# * IPADIC (Japanese)
#   - http://chasen.aist-nara.ac.jp/chasen/distribution.html
#   - Its license terms and conditions are shown below.
#
# ----------COPYING.libtabe ---- BEGIN-------------------
#
# /*
# * Copyright (c) 1999 TaBE Project.
# * Copyright (c) 1999 Pai-Hsiang Hsiao.
# * All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * Redistributions in binary form must reproduce the above copyright
# * notice, this list of conditions and the following disclaimer in
# * the documentation and/or other materials provided with the
# * distribution.
# * Neither the name of the TaBE Project nor the names of its
# * contributors may be used to endorse or promote products derived
# * from this software without specific prior written permission.
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
#
# /*
# * Copyright (c) 1999 Computer Systems and Communication Lab,
# * Institute of Information Science, Academia
# * Sinica. All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * . Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * . Redistributions in binary form must reproduce the above copyright
# * notice, this list of conditions and the following disclaimer in
# * the documentation and/or other materials provided with the
# * distribution.
# * . Neither the name of the Computer Systems and Communication Lab
# * nor the names of its contributors may be used to endorse or
# * promote products derived from this software without specific
# * prior written permission.
# *
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
# Copyright 1996 Chih-Hao Tsai @ Beckman Institute,
# University of Illinois
# c-tsai4@uiuc.edu  http://casper.beckman.uiuc.edu/~c-tsai4
#
# --------------COPYING.libtable-----END--------------------------------
#
# --------------COPYING.ipadic-----BEGIN--------------------------------
#
# Copyright 2000, 2001, 2002, 2003 Nara Institute of Science
# and Technology. All Rights Reserved.
#
# Use, reproduction, and distribution of this software is permitted.
# Any copy of this software, whether in its original form or modified,
# must include both the above copyright notice and the following
# paragraphs.
#
# Nara Institute of Science and Technology (NAIST),
# the copyright holders, disclaims all warranties with regard to this
# software, including all implied warranties of merchantability and
# fitness, in no event shall NAIST be liable for
# any special, indirect or consequential damages or any damages
# whatsoever resulting from loss of use, data or profits, whether in an
# action of contract, negligence or other tortuous action, arising out
# of or in connection with the use or performance of this software.
#
# A large portion of the dictionary entries
# originate from ICOT Free Software. The following conditions for ICOT
# Free Software applies to the current dictionary as well.
#
# Each User may also freely distribute the Program, whether in its
# original form or modified, to any third party or parties, PROVIDED
# that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
# on, or be attached to, the Program, which is distributed substantially
# in the same form as set out herein and that such intended
# distribution, if actually made, will neither violate or otherwise
# contravene any of the laws and regulations of the countries having
# jurisdiction over the User or the intended distribution itself.
#
# NO WARRANTY
#
# The program was produced on an experimental basis in the course of the
# research and development conducted during the project and is provided
# to users as so produced on an experimental basis. Accordingly, the
# program is provided without any warranty whatsoever, whether express,
# implied, statutory or otherwise. The term "warranty" used herein
# includes, but is not limited to, any warranty of the quality,
# performance, merchantability and fitness for a particular purpose of
# the program and the nonexistence of any infringement or violation of
# any right of any third party.
#
# Each user of the program will agree and understand, and be deemed to
# have agreed and understood, that there is no warranty whatsoever for
# the program and, accordingly, the entire risk arising from or
# otherwise connected with the program is assumed by the user.
#
# Therefore, neither ICOT, the copyright holder, or any other
# organization that participated in or was otherwise related to the
# development of the program and their respective officials, directors,
# officers and other employees shall be held liable for any and all
# damages, including, without limitation, general, special, incidental
# and consequential damages, arising out of or otherwise in connection
# with the use or inability to use the program or any product, material
# or result produced or otherwise obtained by using the program,
# regardless of whether they have been advised of, or otherwise had
# knowledge of, the possibility of such damages at any time during the
# project or thereafter. Each user will be deemed to have agreed to the
# foregoing by his or her commencement of use of the program. The term
# "use" as used herein includes, but is not limited to, the use,
# modification, copying and distribution of the program and the
# production of secondary products from the program.
#
# In the case where the program, whether in its original form or
# modified, was distributed or delivered to or received by a user from
# any person, organization or entity other than ICOT, unless it makes or
# grants independently of ICOT any specific warranty to the user in
# writing, such person, organization or entity, will also be exempted
# from and not be held liable to the user for any such damages as noted
# above as far as the program is concerned.
#
# ---------------COPYING.ipadic-----END----------------------------------

3. Lao Word Break Dictionary Data (laodict.txt)

# Copyright (c) 2013 International Business Machines Corporation
# and others. All Rights Reserved.
#
# Project: http://code.google.com/p/lao-dictionary/
# License: http://lao-dictionary.googlecode.com/git/Lao-Dictionary-LICENSE.txt
# (copied below)
#
# This file is derived from the above dictionary, with slight
# modifications.
# ----------------------------------
# Copyright (C) 2013 Brian Eugene Wilson, Robert Martin Campbell.
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification,
# are permitted provided that the following conditions are met:
#
# Redistributions of source code must retain the above copyright notice, this
# list of conditions and the following disclaimer. Redistributions in
# binary form must reproduce the above copyright notice, this list of
# conditions and the following disclaimer in the documentation and/or
# other materials provided with the distribution.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
# INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# OF THE POSSIBILITY OF SUCH DAMAGE.
# --------------------------------------------------------------------------

4. Burmese Word Break Dictionary Data (burmesedict.txt)

# Copyright (c) 2014 International Business Machines Corporation
# and others. All Rights Reserved.
#
# This list is part of a project hosted at:
# github.com/kanyawtech/myanmar-karen-word-lists
#
# --------------------------------------------------------------------------

# Copyright (c) 2013, LeRoy Benjamin Sharon
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions
# are met: Redistributions of source code must retain the above
# copyright notice, this list of conditions and the following
# disclaimer. Redistributions in binary form must reproduce the
# above copyright notice, this list of conditions and the following
# disclaimer in the documentation and/or other materials provided
# with the distribution.
#
# Neither the name Myanmar Karen Word Lists, nor the names of its
# contributors may be used to endorse or promote products derived
# from this software without specific prior written permission.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
# CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS
# BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
# EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED
# TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
# DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
# ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR
# TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF
# THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
# SUCH DAMAGE.
#
5. Time Zone Database

ICU uses the public domain data and code derived from Time Zone
Database for its time zone support. The ownership of the TZ database
is explained in BCP 175: Procedure for Maintaining the Time Zone
Database section 7.

# 7. Database Ownership
#
# The TZ database itself is not an IETF Contribution or an IETF
document. Rather it is a pre-existing and regularly updated work
that is in the public domain, and is intended to remain in the
public domain. Therefore, BCPs 78 [RFC5378] and 79 [RFC3979] do
not apply to the TZ Database or contributions that individuals make
to it. Should any claims be made and substantiated against the TZ
Database, the organization that is providing the IANA
Considerations defined in this RFC, under the memorandum of
understanding with the IETF, currently ICANN, may act in accordance
with all competent court orders. No ownership claims will be made
by ICANN or the IETF Trust on the database or the code. Any person
making a contribution to the database or code waives all rights to
future claims in that contribution or in the TZ Database.

6. Google double-conversion

Copyright 2006-2011, the V8 project authors. All rights reserved.
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2018, 2019 Peter Dimov

Distributed under the Boost Software License, Version 1.0.

See accompanying file LICENSE_1_0.txt or copy at http://www.boost.org/LICENSE_1_0.txt

[#{copyright}
# Copyright and License
:idprefix:

This documentation is copyright 2018, 2019 Peter Dimov and is distributed under the http://www.boost.org/LICENSE_1_0.txt[Boost Software License, Version 1.0]. The MIT License (MIT)

Copyright (c) 2014 fqiang

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all
copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.

License Disclaimer:

All contents of this directory are Copyright (c) the JS Foundation, with the
following exceptions:

MD5.js, SHA1.js:
* Copyright 1998-2005, Paul Johnstone
  Distributed under the terms of the BSD License

SimpleAES.js
* Original version by Chris Veness (CLA signed with permission
given under the terms of the BSD license)
  http://www.movable-type.co.uk/scripts/aes.html

Dojo is available under *either* the terms of the modified BSD license *or* the
Academic Free License version 2.1. As a recipient of Dojo, you may choose which
license to receive this code under (except as noted in per-module LICENSE
files). Some modules may not be the copyright of the Dojo Foundation. These
modules contain explicit declarations of copyright in both the LICENSE files in
the directories in which they reside and in the code itself. No external
contributions are allowed under licenses which are fundamentally incompatible
with the AFL or BSD licenses that Dojo is distributed under.

The text of the AFL and BSD licenses is reproduced below.

The "New" BSD License:
**************************

Copyright (c) 2005-2015, The Dojo Foundation
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this
list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Dojo Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-------------------------------------------------------------------------------

The Academic Free License, v. 2.1:
**************************************************************

This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work:

Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license to do the following:

a) to reproduce the Original Work in copies;

b) to prepare derivative works ("Derivative Works") based upon the Original Work;

c) to distribute copies of the Original Work and Derivative Works to the public;

d) to perform the Original Work publicly; and

e) to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent

Open Source Used In CSPC_Collector 2.9.1 2715
claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately proceeding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) Attorneys Fees. In any action to enforce the terms of this License or
seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT
SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Software License, Version 1.0

Copyright 2002-2003, Trustees of Indiana University.
Copyright 2000-2001, University of Notre Dame.
All rights reserved.

Indiana University has the exclusive rights to license this product under the following license.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* All redistributions of source code must retain the above copyright notice, the list of authors in the original source code, this list of conditions and the disclaimer listed in this license;

* All redistributions in binary form must reproduce the above copyright notice, this list of conditions and the disclaimer listed in this license in the documentation and/or other materials provided with the distribution;

* Any documentation included with all redistributions must include the following acknowledgement:

"This product includes software developed at the University of Notre Dame and the Pervasive Technology Labs at Indiana University. For technical information contact Andrew Lumsdaine at the Pervasive Technology Labs at Indiana University. For administrative and license questions contact the Advanced Research and Technology Institute at 351 West 10th Street, Indianapolis, Indiana 46202, phone 317-278-4100, fax 317-274-5902."

Alternatively, this acknowledgement may appear in the software itself, and wherever such third-party acknowledgments normally appear.

* The name Indiana University, the University of Notre Dame or "Caramel" shall not be used to endorse or promote products derived from this software without written permission from Indiana University. For written permission, please contact Indiana University Advanced Research & Technology Institute.

* Products derived from this software may not be called "Caramel", nor may Indiana University, the University of Notre Dame or "Caramel" appear in their name, without prior written permission of Indiana University Advanced Research & Technology Institute.
Indiana University provides no reassurances that the source code provided does not infringe the patent or any other intellectual property rights of any other entity. Indiana University disclaims any liability to any recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise.

LICENSEE UNDERSTANDS THAT SOFTWARE IS PROVIDED "AS IS" FOR WHICH NO WARRANTIES AS TO CAPABILITIES OR ACCURACY ARE MADE. INDIANA UNIVERSITY GIVES NO WARRANTIES AND MAKES NO REPRESENTATION THAT SOFTWARE IS FREE OF INFRINGEMENT OF THIRD PARTY PATENT, COPYRIGHT, OR OTHER PROPRIETARY RIGHTS. INDIANA UNIVERSITY MAKES NO WARRANTIES THAT SOFTWARE IS FREE FROM "BUGS", "VIRUSES", "TROJAN HORSES", "TRAP DOORS", "WORMS", OR OTHER HARMFUL CODE. LICENSEE ASSUMES THE ENTIRE RISK AS TO THE PERFORMANCE OF SOFTWARE AND/OR ASSOCIATED MATERIALS, AND TO THE PERFORMANCE AND VALIDITY OF INFORMATION GENERATED USING SOFTWARE.

===============
Duktaape license
===============

(http://opensource.org/licenses/MIT)

Copyright (c) 2013-2018 by Duktape authors (see AUTHORS.rst)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

MEMCACHED CONTRIBUTORS

This file contains a list of people who have contributed code and effort to the memcached project. If you don't see your name mentioned send email to the memcached mailing list so you can be immortalized.

Also see the ChangeLog for even more people who have helped over the years by submitting fixes, patches and reporting bugs.
Major authors:
-------------

Brad Fitzpatrick <brad@danga.com> -- maintainer, original implementations

Anatoly Vorobey <mellon@pobox.com> -- lots of the modern server code

Steven Grimm <sgrimm@facebook.com> -- iov writing (less CPU), UDP mode,
    non-2.0 slab mantissas, multithread, ...

Other Contributors
------------------

Evan Martin <evan@danga.com>
Nathan Neulinger <nneul@umr.edu>
Eric Hodel <drbrain@segment7.net>
Michael Johnson <ahze@ahze.net>
Paul Querna <chip@corelands.com>
Jamie McCarthy <jamie@mccarthy.vg>
Philip Neustrom <philipn@gmail.com>
Andrew O'Brien <andrewo@oriel.com.au>
Josh Rotenberg <joshrotenberg@gmail.com>
Robin H. Johnson <robbat2@gentoo.org>
Tim Yardley <liquid@haveheart.com>
Paolo Borelli <paolo.borelli@gmail.com>
Eli Bingham <eli@pandora.com>
Jean-Francois Bustarret <jfbustarret@wat.tv>
Paul G <paul-lists@perforge.com>
Paul Lindner <lindner@inuus.com>
Dormando <dormando@rydia.net>
Dustin Sallings <dustin@spy.net>
Chris Goffinet <goffinet@yahoo-inc.com>
Tomash Brechko <tomash.brechko@gmail.com>
Brian Aker <brian@tangent.org>
Trond Norbye <trond.norbye@sun.com>
///
Copyright 2017 Peter Dimov

Distributed under the Boost Software License, Version 1.0.

See accompanying file LICENSE_1_0.txt or copy at
http://www.boost.org/LICENSE_1_0.txt
///

[#mpl]

# MPL Support, <boost/mp11 mpl.hpp>

::toc:
The header `<boost/mp11/mpl.hpp>`, when included, defines the necessary support infrastructure for `mp_list` and `std::tuple` to be valid link:../../../../libs/mpl[MPL] sequences.

NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

It’s also possible to only enable support for `mp_list` by including `<boost/mp11/mpl_list.hpp>`, and for `std::tuple` by including `<boost/mp11/mpl_tuple.hpp>`. This may be required because some libraries, such as Boost.Fusion, contain their own MPL support for `std::tuple`, which conflicts with Mp11’s one.

The MIT License

Copyright (c) <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

http_parser.c is based on src/http/ngx_http_parse.c from NGINX copyright Igor Sysoev.

Additional changes are licensed under the same terms as NGINX and copyright Joyent, Inc. and other Node contributors. All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.269 ipset 7.1 1.el8

1.269.1 Available under license:
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide...
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable
      source code, which must be distributed under the terms of Sections
      1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three
      years, to give any third party, for a charge no more than your
      cost of physically performing source distribution, a complete
      machine-readable copy of the corresponding source code, to be
      distributed under the terms of Sections 1 and 2 above on a medium
      customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.
This program is distributed in the hope that it will be useful, 
but WITHOUT ANY WARRANTY; without even the implied warranty of 
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the 
GNU General Public License for more details.

You should have received a copy of the GNU General Public License 
along with this program; if not, write to the Free Software 
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this 
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it 
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate 
parts of the General Public License. Of course, the commands you use may 
be called something other than `show w' and `show c'; they could even be 
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your 
school, if any, to sign a "copyright disclaimer" for the program, if 
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program 
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into 
proprietary programs. If your program is a subroutine library, you may 
consider it more useful to permit linking proprietary applications with the 
library. If this is what you want to do, use the GNU Library General 
Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies 
of this license document, but changing it is not allowed.
[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original
author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

**GNU LESSER GENERAL PUBLIC LICENSE**

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License: they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that
you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application
b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.270 e2fsprogs 1.45.6

1.270.1 Available under license:

This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

Packaging is Copyright (c) 2003-2006 Theodore Ts'o <tytso@mit.edu>
   Copyright (c) 1997-2003 Yann Dirson <dirson@debian.org>
   Copyright (c) 2001 Alcove <http://www.alcove.com/>
   Copyright (c) 1997 Klee Dienes
   Copyright (c) 1995-1996 Michael Nonweiler <smn20@cam.ac.uk>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

Copyright notice:

This package, the EXT2 filesystem utilities, is protected by the GNU General Public License.


On Debian GNU systems, the complete text of the GNU General Public License can be found in '/usr/share/common-licenses/GPL-2'.
#
# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \
@-$(LDCONFIG)

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

uninstall-shlibs-strip:: uninstall-shlibs

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ..$(BSD_LIB)

This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:
http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

Copyright:

Copyright (C) 1999, 2001 by Andries Brouwer
Copyright (C) 1999, 2000, 2003 by Theodore Ts'o

You are free to distribute this software under the terms of the GNU Lesser (Library) General Public License.

On Debian systems, the complete text of the GNU Lesser (Library) General Public License can be found in /usr/share/common-licenses/LGPL-2.
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

Copyright:


Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

Packaging is Copyright (c) 2003-2006 Theodore Ts'o <tytso@mit.edu>
Copyright (c) 1997-2003 Yann Dirson <dirson@debian.org>
Copyright (c) 2001 Alcove <http://www.alcove.com/>
Copyright (c) 1997 Klee Dienes
Copyright (c) 1995-1996 Michael Nonweiler <mrn20@cam.ac.uk>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

Copyright notice:
This package, the EXT2 filesystem utilities, is protected by the GNU General Public License.


On Debian GNU systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL-2'.

Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell              2005
+ Copyright (C) Andrew Tridgell              1999-2005
+ Copyright (C) Jeremy Allison               2000-2006
+ Copyright (C) Paul 'Rusty' Russell         2000

 ** NOTE! The following LGPL license applies to the tdb library. This does NOT imply that all of Samba is released

This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

Packaging is Copyright (c) 2003-2007 Theodore Ts'o <tytso@mit.edu>
 Copyright (c) 1997-2003 Yann Dirson <dirson@debian.org>
 Copyright (c) 2001 Alcove <http://www.alcove.com/>
 Copyright (c) 1997 Klee Dienes
 Copyright (c) 1995-1996 Michael Nonweiler <mnr20@cam.ac.uk>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

Copyright notice:

This package, the EXT2 filesystem utilities, are made available under the GNU General Public License version 2, with the exception of the lib/ext2fs and lib/e2p libraries, which are made available under the GNU Library General Public License Version 2, the lib/uuid library

Open Source Used In CSPC_Collector 2.9.1 2745
which is made available under a BSD-style license and the lib/et and
lib/ss libraries which are made available under an MIT-style license.


On Debian GNU systems, the complete text of the GNU General Public
License can be found in `/usr/share/common-licenses/GPL-2'. The
complete text of the GNU Library General Public License can be found
in `/usr/share/common-licenses/LGPL-2'.

The license used for lib/et and lib/ss libraries is:

Copyright 1987 by the Student Information Processing Board
of the Massachusetts Institute of Technology

Permission to use, copy, modify, and distribute this software and
its documentation for any purpose is hereby granted, provided that
the names of M.I.T. and the M.I.T. S.I.P.B. not be used in
advertising or publicity pertaining to distribution of the software
without specific, written prior permission. M.I.T. and the
M.I.T. S.I.P.B. make no representations about the suitability of
this software for any purpose. It is provided "as is" without
express or implied warranty.

The license used for lib/uuid is:

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, and the entire permission notice in its entirety,
   including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote
   products derived from this software without specific prior
   written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF
WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This package, the EXT2 filesystem utilities, are made available under the GNU Public License version 2, with the exception of the lib/ext2fs and lib/e2p libraries, which are made available under the GNU Library General Public License Version 2, the lib/uuid library which is made available under a BSD-style license and the lib/et and lib/ss libraries which are made available under an MIT-style license. Please see lib/uuid/COPYING for more details for the license for the files comprising the libuuid library, and the source file headers of the libet and libss libraries for more information.

The most recent officially distributed version can be found at http://e2fsprogs.sourceforge.net. If you need to make a distribution, that's the one you should use. If there is some reason why you'd like a more recent version that is still in ALPHA testing (i.e., either using the "WIP" test distributions or one from the hg or git repository from the development branch, please contact me (tytso@mit.edu) before you ship. The release schedules for this package are flexible, if you give me enough lead time.

Theodore Ts'o
23-June-2007

--------------------------------------------------------------------------------

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

   These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

------------------------------------------------------------------

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's
free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don’t assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library
General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.
b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the source code distributed need not include anything that is normally
distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the/Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

Copyright:
Copyright (C) 1999, 2000, 2003, 2004 by Theodore Ts'o

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, and the entire permission notice in its entirety,
   including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote
   products derived from this software without specific prior
   written permission.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF
WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE
USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH
DAMAGE.

This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

Copyright 1987, 1988 by the Student Information Processing Board
of the Massachusetts Institute of Technology

Permission to use, copy, modify, and distribute this software
and its documentation for any purpose and without fee is
hereby granted, provided that the above copyright notice
appear in all copies and that both that copyright notice and
this permission notice appear in supporting documentation,
and that the names of M.I.T. and the M.I.T. S.I.P.B. not be
used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. M.I.T. and the M.I.T. S.I.P.B. make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

Copyright 1987, 1988 by the Student Information Processing Board of the Massachusetts Institute of Technology

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the names of M.I.T. and the M.I.T. S.I.P.B. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. M.I.T. and the M.I.T. S.I.P.B. make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

EXT2ED is hereby placed under the terms of the GNU General Public License. Follows the GNU license.

Gadi Oxman, August 1995

---------------------------------------------------------------------------

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

**1.271 libtiff 4.0.9-18.el8**

**1.271.1 Available under license:**

Copyright (c) 1988-1997 Sam Leffler
Copyright (c) 1991-1997 Silicon Graphics, Inc.

Permission to use, copy, modify, distribute, and sell this software and
its documentation for any purpose is hereby granted without fee, provided that (i) the above copyright notices and this permission notice appear in all copies of the software and related documentation, and (ii) the names of Sam Leffler and Silicon Graphics may not be used in any advertising or publicity relating to the software without the specific, prior written permission of Sam Leffler and Silicon Graphics.

THE SOFTWARE IS PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL SAM LEFFLER OR SILICON GRAPHICS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF DAMAGE, AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

1.272 json-java 20090211

1.272.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

===========================================================================
==  JSON License                                                        ==
===========================================================================

http://www.json.org/license.html

Copyright (c) 2002 JSON.org

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The Software shall be used for Good, not Evil.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Apache Geronimo Bundles: json-20090211
Copyright 2003-2010 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

1.273 sshpass 1.06-9.epel8.playground

1.273.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.274 libxkbcommon 0.9.1 1.el8
1.274.1 Available under license:

The following is a list of all copyright notices and license statements which
appear in the xkbcommon source tree.

If making new contributions, the first form (i.e. Daniel Stone, Ran Benita,
etc) is vastly preferred.

All licenses are derivative of the MIT/X11 license, mostly identical other
than no-endorsement clauses (e.g. paragraph 4 of The Open Group's license).

These statements are split into two sections: one for the code compiled and
distributed as part of the libxkbcommon shared library and the code
component of all tests (i.e. everything under src/ and xkbcommon/, plus the
.c and .h files under test/), and another for the test data under test/data,
which is distributed with the xkbcommon source tarball, but not installed to
the system.
BEGINNING OF SOFTWARE COPYRIGHT/LICENSE STATEMENTS:

-------------------------------------------------------------------------------

Copyright 2009-2012, 2016 Daniel Stone
Copyright 2012 Ran Benita <ran234@gmail.com>
Copyright 2010, 2012 Intel Corporation
Copyright 2008, 2009 Dan Nicholson
Copyright 2010 Francisco Jerez <currojerez@riseup.net>

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice (including the next
paragraph) shall be included in all copies or substantial portions of the
Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING
FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER
DEALINGS IN THE SOFTWARE.

-------------------------------------------------------------------------------


Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN
ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the names of the authors or their
institutions shall not be used in advertising or otherwise to promote the
sale, use or other dealings in this Software without prior written
authorization from the authors.

-------------------------------------------------------------------------------


Permission to use, copy, modify, and distribute this
software and its documentation for any purpose and without
fee is hereby granted, provided that the above copyright
notice appear in all copies and that both that copyright
notice and this permission notice appear in supporting
documentation, and that the name of Silicon Graphics not be
used in advertising or publicity pertaining to distribution
of the software without specific prior written permission.
Silicon Graphics makes no representation about the suitability
of this software for any purpose. It is provided "as is"
without any express or implied warranty.

SILICON GRAPHICS DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS
SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SILICON
GRAPHICS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL
DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE
OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH
THE USE OR PERFORMANCE OF THIS SOFTWARE.

-------------------------------------------------------------------------------

Copyright 1987, 1988 by Digital Equipment Corporation, Maynard, Massachusetts.

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its
documentation for any purpose and without fee is hereby granted,
provided that the above copyright notice appear in all copies and that
both that copyright notice and this permission notice appear in
supporting documentation, and that the name of Digital not be
used in advertising or publicity pertaining to distribution of the
software without specific, written prior permission.

DIGITAL DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING
ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL
DIGITAL BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR
ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS,
WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION,
ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS
SOFTWARE.

-------------------------------------------------------------------------------

Copyright (C) 2011 Joseph Adams <joeyadams3.14159@gmail.com>

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
THE SOFTWARE.

-------------------------------------------------------------------------------

END OF SOFTWARE COPYRIGHT/LICENSE STATEMENTS

BEGINNING OF LICENSE STATEMENTS FOR UNDISTRIBUTED DATA FILES IN test/data,
derived from xkeyboard-config:
Copyright 1996 by Joseph Moss
Copyright (C) 2002-2007 Free Software Foundation, Inc.
Copyright (C) Dmitry Golubev <lastguru@mail.ru>, 2003-2004
Copyright (C) 2004, Gregory Mokhin <mokhin@bog.msu.ru>
Copyright (C) 2006 Erdal Ronah

Permission to use, copy, modify, distribute, and sell this software and its
documentation for any purpose is hereby granted without fee, provided that
the above copyright notice appear in all copies and that both that
copyright notice and this permission notice appear in supporting
documentation, and that the name of the copyright holder(s) not be used in
advertising or publicity pertaining to distribution of the software without
specific, written prior permission. The copyright holder(s) makes no
representations about the suitability of this software for any purpose. It
is provided "as is" without express or implied warranty.

THE COPYRIGHT HOLDER(S) DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,
INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO
EVENT SHALL THE COPYRIGHT HOLDER(S) BE LIABLE FOR ANY SPECIAL, INDIRECT OR
CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THIS SOFTWARE.

-------------------------------------------------------------

Copyright 1992 by Oki Technosystems Laboratory, Inc.
Copyright 1992 by Fuji Xerox Co., Ltd.

Permission to use, copy, modify, distribute, and sell this software
and its documentation for any purpose is hereby granted without fee,
provided that the above copyright notice appear in all copies and
that both that copyright notice and this permission notice appear
in supporting documentation, and that the name of Oki Technosystems
Laboratory and Fuji Xerox not be used in advertising or publicity
pertaining to distribution of the software without specific, written
prior permission.
Oki Technosystems Laboratory and Fuji Xerox make no representations
about the suitability of this software for any purpose. It is provided
"as is" without express or implied warranty.

OKI TECHNOSYSTEMS LABORATORY AND FUJI XEROX DISCLAIM ALL WARRANTIES
WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OKI TECHNOSYSTEMS
LABORATORY AND FUJI XEROX BE LIABLE FOR ANY SPECIAL, INDIRECT OR
CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS
OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE
OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE
OR PERFORMANCE OF THIS SOFTWARE.

1.275 systemd-shim 239-31.el8_2.2

1.275.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.
8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and “any
later version”, you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
to the quality and performance of the Program is with you. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program ‘Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.276 lvm2 1.02.163-5.el8.0.1

1.276.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the
entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data
prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries
If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
BSD 2-Clause License

Copyright (c) 2014, Red Hat, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without
Open Source Used In CSPC_Collector 2.9.1 2809

modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this
   list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice,
   this list of conditions and the following disclaimer in the documentation
   and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.
1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.
12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS, EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.

Open Source Used In CSPC_Collector 2.9.1 2815
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

**1.277 libseccomp 2.4.1 1.el8**

**1.277.1 Available under license:**

**GNU LESSER GENERAL PUBLIC LICENSE**

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
1.278 appengine-endpoints-deps 1.9.28

1.278.1 Available under license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce,
prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

1. You must give any other recipients of the Work or Derivative Works a copy of this License; and
2. You must cause any modified files to carry prominent notices stating that You changed the files; and
3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing,
shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

1.279 man-db 2.7.6.1 17.el8

1.279.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.
We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.
This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by

Open Source Used In CSPC_Collector 2.9.1 2844
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.280 file 5.33 13.el8
1.280.1 Available under license:

$File: COPYING,v 1.1 2008/02/05 19:08:11 christos Exp$
Software written by Ian F. Darwin and others; maintained 1994 - Christos Zoulas.

This software is not subject to any export provision of the United States Department of Commerce, and may be exported to any country or planet.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice immediately at the beginning of the file, without modification, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS `AS IS' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.281 xalan 2.6.0

1.281.1 Available under license:

/*
 * The Apache Software License, Version 1.1
 * *
 * Copyright (c) 2002 The Apache Software Foundation.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
 * *
 * 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
 */
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment: "This product includes software developed by the Apache Software Foundation (http://www.apache.org/)."

Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names "Xerces" and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.

5. Products derived from this software may not be called "Apache", nor may "Apache" appear in their name, without prior written permission of the Apache Software Foundation.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation and was originally based on software copyright (c) 1999, International Business Machines, Inc., http://www.apache.org. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.

W3C Software Notice and License

This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following license.
By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

* The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
* Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.
* Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URLs to the location from which the code is derived.)

Disclaimers

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

Notes

This version: http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition.

// NO WARRANTY!  This class is in the Public Domain.
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
* for further information.
* </blockquote>

Apache License

Version 2.0, January 2004
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
/*
 * The Apache Software License, Version 1.1
 *
 * Copyright (c) 2001 The Apache Software Foundation. All rights
 * reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 *
 * 3. The end-user documentation included with the redistribution,
 *    if any, must include the following acknowledgment:
 *    "This product includes software developed by the
 *     Apache Software Foundation (http://www.apache.org/)."
 *    Alternately, this acknowledgment may appear in the software itself,
 *    if and wherever such third-party acknowledgments normally appear.
 *
 * 4. The name "Apache Software Foundation" must not be used to endorse or
 *    promote products derived from this software without prior written
 *    permission. For written permission, please contact apache@apache.org.
 *
 * 5. Products derived from this software may not be called "Apache",
 *    nor may "Apache" appear in their name, without prior written
 *    permission of the Apache Software Foundation.
 *
 * THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
 * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
 * DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
 * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
 * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
 * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

* ====================================================================
* *
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
* */
*/

* The Apache Software License, Version 1.1
*
*
* Copyright (c) 2001 The Apache Software Foundation. All rights
* reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
*
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
*
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in
*    the documentation and/or other materials provided with the
*    distribution.
*
* 3. The end-user documentation included with the redistribution,
*    if any, must include the following acknowledgment:
*    "This product includes software developed by the
*    Apache Software Foundation (http://www.apache.org/)."
*    Alternately, this acknowledgment may appear in the software itself,
*    if and wherever such third-party acknowledgments normally appear.
*
* 4. The names "Xalan" and "Apache Software Foundation" must
*    not be used to endorse or promote products derived from this
*    software without prior written permission. For written
*    permission, please contact apache@apache.org.
*
* 5. Products derived from this software may not be called "Apache",
*    nor may "Apache" appear in their name, without prior written
*    permission of the Apache Software Foundation.
*
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
  * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
  * DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
  * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
  * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
  * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
  * USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
  * ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
  * OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
  * OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
  * SUCH DAMAGE.

*===================================================================

* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation and was
* originally based on software copyright (c) 1999, Lotus
* Development Corporation., http://www.lotus.com. For more
* information on the Apache Software Foundation, please see
* /

// No warranty; no copyright -- use this as you will.

**1.282 linux-firmware 228.61.2.24-94.el8.1**

**1.282.1 Available under license :**

**GNU GENERAL PUBLIC LICENSE**

Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.
TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official
standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified
it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the
product that is covered by this License, on a durable physical
medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product,
doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent
that they are valid under applicable law. If additional permissions
apply only to part of the Program, that part may be used separately
under those permissions, but the entire Program remains governed by
this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part of
it. (Additional permissions may be written to require their own
removal in certain cases when you modify the work.) You may place
additional permissions on material, added by you to a covered work,
for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.
8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an
organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means,
then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.
13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.
You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

<OWNER> = Regents of the University of California
<ORGANIZATION> = University of California, Berkeley
<YEAR> = 1998

In the original BSD license, both occurrences of the phrase "COPYRIGHT HOLDERS AND CONTRIBUTORS" in the disclaimer read "REGENTS AND CONTRIBUTORS".

Here is the license template:

Copyright (c) <YEAR>, <OWNER>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
Neither the name of the `<ORGANIZATION>` nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.283 protobuf-java 3.5.1

1.284 gwt-crypto 2.3.0

1.285 openssl 1.1.1g

1.285.1 Available under license :

LICENSE ISSUES
==============

The OpenSSL toolkit stays under a double license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts.

OpenSSL License
-------------

/* * OpenSSL License
 */

* Copyright (c) 1998-2019 The OpenSSL Project. All rights reserved.
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
*
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgment:
"This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/)"

4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org.

5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following acknowledgment:
"This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

 Original SSLeay License

/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com) */
* All rights reserved.
* 
* This package is an SSL implementation written
* by Eric Young (eay@cryptsoft.com).
* The implementation was written so as to conform with Netscape SSL.
* 
* This library is free for commercial and non-commercial use as long as
* the following conditions are aheared to. The following conditions
* apply to all code found in this distribution, be it the RC4, RSA,
* lhash, DES, etc., code; not just the SSL code. The SSL documentation
* included with this distribution is covered by the same copyright terms
* except that the holder is Tim Hudson (tjh@cryptsoft.com).
* 
* Copyright remains Eric Young's, and as such any Copyright notices in
* the code are not to be removed.
* If this package is used in a product, Eric Young should be given attribution
* as the author of the parts of the library used.
* This can be in the form of a textual message at program startup or
* in documentation (online or textual) provided with the package.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. All advertising materials mentioning features or use of this software
* must display the following acknowledgement:
* "This product includes cryptographic software written by
* Eric Young (eay@cryptsoft.com)"
* The word 'cryptographic' can be left out if the rouines from the library
* being used are not cryptographic related :-).
* 4. If you include any Windows specific code (or a derivative thereof) from
* the apps directory (application code) you must include an acknowledgement:
* "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"
* 
* THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License: they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
to loss of data or data being rendered inaccurate or losses sustained by
you or third parties or a failure of the program to operate with any other
programs), even if such holder or other party has been advised of the
possibility of such damages.

END OF TERMS AND CONDITIONS
Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.
5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called "undump" or "unexec" methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.

7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package's interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End
1.286 animal-sniffer-annotation 1.14

1.287 spring-jdbc 4.3.30.RELEASE

1.287.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2012 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * *
 *   https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
/**
 * Implement this interface when parameters need to be customized based
 * on the connection. We might need to do this to make use of proprietary
 * features, available only with a specific Connection type.
 *
 * @author Rod Johnson
 * @author Thomas Risberg
 * @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)
 * @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)
 */
/**
 * Create a Map of input parameters, keyed by name.
 * @param con JDBC connection. This is useful (and the purpose of this interface)
 * if we need to do something RDBMS-specific with a proprietary Connection
 * implementation class. This class conceals such proprietary details. However,
 * it is best to avoid using such proprietary RDBMS features if possible.
 * @throws SQLException if a SQLException is encountered setting
 * parameter values (that is, there's no need to catch SQLException)
 * @return Map of input parameters, keyed by name (never { @code null })
 */

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2007 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/core/metadata/SybaseCallMetaDataProvider.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/support/incrementer/DataFieldMaxValueIncrementer.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/core/metadata/SqlServerCallMetaDataProvider.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/core/StatementCreatorUtils.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2020 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/core/StatementCreatorUtils.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2011 the original author or authors.
 */

/*
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 */

/*
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/config/InitializeDatabaseBeanDefinitionParser.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2012 the original author or authors.
 */

/*
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/support/CustomSQLExceptionTranslatorRegistrar.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/core/support/JdbcDaoSupport.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/support/lob/PassThroughClob.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/support/nativejdbc/C3P0NativeJdbcExtractor.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/support/xml/SqlXmlFeatureNotImplementedException.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseType.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/datasource/lookup/DataSourceLookup.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/datasource/lookup/SingleDataSourceLookup.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/support/XMLCharacterStreamProvider.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
/*
 * Copyright 2002-2018 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

/**
 * Strategy interface for translating between [SQLException SQLExceptions]
 * and Spring's data access strategy-agnostic [DataAccessException]
 * hierarchy.
 *
 * <p>Implementations can be generic (for example, using
 * [java.sql.SQLException#getSQLState() SQLState] codes for JDBC) or wholly
 * proprietary (for example, using Oracle error codes) for greater precision.
 *
 * @author Rod Johnson
 * @author Juergen Hoeller
 * @see org.springframework.dao.DataAccessException
 */

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/support/SQLExceptionTranslator.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2018 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 */
* https://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/support/lob/TemporaryLobCreator.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/datasource/DataSourceUtils.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/core/ArgumentPreparedStatementSetter.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/support/GeneratedKeyHolder.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcTemplate.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/datasource/init/ScriptUtils.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/datasource/DataSourceUtils.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/core/metadata/DerbyCallMetaDataProvider.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/support/incrementer/H2SequenceMaxValueIncrementer.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/datasource/WebSphereDataSourceAdapter.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/core/metadata/GenericCallMetaDataProvider.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/core/metadata/GenericTableMetaDataProvider.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/datasource/DataSourceUtils.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/core/ArgumentPreparedStatementSetter.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/datasource/DataSourceUtils.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/core/metadata/DerbyTableMetaDataProvider.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1.jar/org/springframework/jdbc/support/AbstractFallbackSQLExceptionTranslator.java
*/opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/support/incrementer/HanaSequenceMaxValueIncrementer.java
*/opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/support/incrementer/PostgreSQLSequenceMaxValueIncrementer.java
*/opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/support/incrementer/SybaseMaxValueIncrementer.java
*/opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/datasource/embedded/DerbyEmbeddedDatabaseConfigurer.java
*/opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/datasource/embedded/HsqlEmbeddedDatabaseConfigurer.java
No license file was found, but licenses were detected in source scan.

/**
 * The classes in this package make JDBC easier to use and
 * reduce the likelihood of common errors. In particular, they:
 * <ul>
 * <li>Simplify error handling, avoiding the need for try/catch/finally
 * blocks in application code.
 * <li>Present exceptions to application code in a generic hierarchy of
 * unchecked exceptions, enabling applications to catch data access
 * exceptions without being dependent on JDBC, and to ignore fatal
 * exceptions there is no value in catching.
 * <li>Allow the implementation of error handling to be modified
 * to target different RDBMSes without introducing proprietary
 * dependencies into application code.
 * </ul>
 * <p>This package and related packages are discussed in Chapter 9 of
* by Rod Johnson (Wrox, 2002).
*/

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4.3-30-release-sources-1
  jar/org/springframework/jdbc/package-info.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2016 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *    https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
/**
 * {@link LobHandler} implementation for Oracle databases. Uses proprietary API
 * to create {@code oracle.sql.BLOB} and {@code oracle.sql.CLOB}
 * instances, as necessary when working with Oracle's JDBC driver.
 * Note that this LobHandler requires Oracle JDBC driver 9i or higher!
 * 
 * @see OracleLobHandler
 * 
 * <p>While most databases are able to work with {@link DefaultLobHandler},
 * Oracle 9i (or more specifically, the Oracle 9i JDBC driver) just accepts
 * Blob/Clob instances created via its own proprietary BLOB/CLOB API,
 * and additionally doesn't accept large streams for PreparedStatement's
 * corresponding setter methods. Therefore, you need to use a strategy like
 * this LobHandler implementation, or upgrade to the Oracle 10g/11g driver
 * (which still supports access to Oracle 9i databases).
 * 
 * <p><b>NOTE: As of Oracle 10.2, {@link DefaultLobHandler} should work equally
 * well out of the box. On Oracle 11g, JDBC 4.0 based options such as
 * {@link DefaultLobHandler#setStreamAsLob} and {@link DefaultLobHandler#setCreateTemporaryLob}
 * are available as well, rendering this proprietary OracleLobHandler obsolete.</b>
 * Also, consider upgrading to a new driver even when accessing an older database.
 * See the {@link LobHandler} interface javadoc for a summary of recommendations.
 * 
 * <p>Needs to work on a native JDBC Connection, to be able to cast it to
 * {@code oracle.jdbc.OracleConnection}. If you pass in Connections from a

* connection pool (the usual case in a Java EE environment), you need to set an
* appropriate {@link org.springframework.jdbc.support.nativejdbc.NativeJdbcExtractor}
* to allow for automatic retrieval of the underlying native JDBC Connection.
* LobHandler and NativeJdbcExtractor are separate concerns, therefore they
* are represented by separate strategy interfaces.
*
* <p>Coded via reflection to avoid dependencies on Oracle classes.
* Even reads in Oracle constants via reflection because of different Oracle
* drivers (classes12, ojdbc14, ojdbc5, ojdbc6) having different constant values!
* As this LobHandler initializes Oracle classes on instantiation, do not define
* this as eager-initializing singleton if you do not want to depend on the Oracle
* JAR being in the class path: use "lazy-init=true" to avoid this issue.
*
* @author Juergen Hoeller
* @author Thomas Risberg
* @since 04.12.2003
* @see DefaultLobHandler
* @see #setNativeJdbcExtractor
* @deprecated in favor of [DefaultLobHandler] for the Oracle 10g driver and
* higher. Consider using the 10g/11g driver even against an Oracle 9i database!
* [DefaultLobHandler#setCreateTemporaryLob] is the direct equivalent of this
* OracleLobHandler's implementation strategy, just using standard JDBC 4.0 API.
* That said, in most cases, regular DefaultLobHandler setup will work fine as well.
*/

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/support/lob/OracleLobHandler.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2014 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* *
*   https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/datasource/init/DatabasePopulator.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/support/incrementer/HsqlMaxValueIncrementer.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/support/incrementer/AbstractColumnMaxValueIncrementer.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/datasource/EmbeddedDataSourceFactory.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/object/StoredProcedure.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/support/incrementer/SqlServerMaxValueIncrementer.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/support/rowset/SqlRowSetMetaData.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/support/SQLExceptionSubclassTranslator.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/support/SQLStateSQLExceptionTranslator.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/support/incrementer/DerbyMaxValueIncrementer.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/datasource/EmbeddedDatabaseFactoryBean.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/datasource/init/ScriptParseException.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/core/namedparam/MapSqlParameterSource.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/datasource/ConnectionProperties.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/datasource/init/UncategorizedScriptException.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/datasource/init/CustomSQLExceptionCodesTranslation.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/datasource/init/ResultsetWrappingSqlRowSetMetaData.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
jar/org/springframework/jdbc/datasource/init/ResultsetWrappingSqlRowSet.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2017 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*    https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/core/metadata/OracleCallMetaDataProvider.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/datasource/JdbcTransactionObjectSupport.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/core/ParameterDisposer.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/core/metadata/CallMetaDataProvider.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/datasource/ConnectionProxy.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/core/metadata/TableMetaDataProvider.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/datasource/SimpleDriverDataSource.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/datasource/init/DataSourceInitializer.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/datasource/init/ResourceDatabasePopulator.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/support/incrementer/MySQLMaxValueIncrementer.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/core/support/JdbcBeanDefinitionReader.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2013 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2008 the original author or authors.
 */
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*    https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
*/
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/support/xml/SqlXmlValue.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/object/MappingSqlQuery.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/datasource/TransactionAwareDataSourceProxy.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/datasource/LazyConnectionDataSourceProxy.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2019 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*    https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/datasource/TransactionAwareDataSourceProxy.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/datasource/LazyConnectionDataSourceProxy.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2013 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

/**
 * Abstraction for handling large binary fields and large text fields in
 * specific databases, no matter if represented as simple types or Large OBjects.
 * Its main purpose is to isolate Oracle 9i's peculiar handling of LOBs in
 * '{@link OracleLobHandler}'; most other databases should be able to work
 * with the provided '{@link DefaultLobHandler}'.
 *
 * <p>Provides accessor methods for BLOBs and CLOBs, and acts as factory for
 * LobCreator instances, to be used as sessions for creating BLOBs or CLOBs.
 * LobCreators are typically instantiated for each statement execution or for
 * each transaction; they are not thread-safe because they might track
 * allocated database resources in order to free them after execution.
 *
 * <p>Most databases/drivers should be able to work with '{@link DefaultLobHandler}',
 * which by default delegates to JDBC's direct accessor methods, avoiding the
 * '{@code java.sql.Blob}' and '{@code java.sql.Clob}' API completely.
 * '{@link DefaultLobHandler}' can also be configured to access LOBs using
 * '{@code PreparedStatement.setBlob/setClob}' (e.g. for PostgreSQL), through
 * setting the '{@link DefaultLobHandler#setWrapAsLob "wrapAsLob"}' property.
 *
 * Unfortunately, Oracle 9i just accepts Blob/Clob instances created via its own
 * proprietary BLOB/CLOB API, and additionally doesn't accept large streams for
* PreparedStatement's corresponding setter methods. Therefore, you need to use
* [OracleLobHandler] there, which uses Oracle's BLOB/CLOB API for both types
* of access. The Oracle 10g+ JDBC driver will work with [DefaultLobHandler]
* as well, with some limitations in terms of LOB sizes depending on DBMS setup;
* as of Oracle 11g (or actually, using the 11g driver even against older databases),
* there should be no need to use [OracleLobHandler] at all anymore.
*
* <p>Of course, you need to declare different field types for each database.
* In Oracle, any binary content needs to go into a BLOB, and all character content
* beyond 4000 bytes needs to go into a CLOB. In MySQL, there is no notion of a
* CLOB type but rather a LONGTEXT type that behaves like a VARCHAR. For complete
* portability, use a LobHandler for fields that might typically require LOBs on
* some database because of the field size (take Oracle's numbers as a guideline).
*
* <p><b>Summarizing the recommended options (for actual LOB fields):</b></p>
* <ul>
* <li><b>JDBC 4.0 driver (including Oracle 11g driver):</b> Use [DefaultLobHandler],
* potentially with [streamAsLob=true] if your database driver requires that
* hint when populating a LOB field. Fall back to [createTemporaryLob=true]
* if you happen to run into LOB size limitations with your (Oracle) database setup.
* <li><b>Oracle 10g driver:</b> Use [DefaultLobHandler] with standard setup.
* On Oracle 10.1, set the "SetBigStringTryClob" connection property; as of Oracle 10.2,
* DefaultLobHandler should work with standard setup out of the box. Alternatively,
* consider using the proprietary [OracleLobHandler] (see below).
* <li><b>Oracle 9i driver:</b> Use [OracleLobHandler] with a connection-pool-specific
* [NativeJdbcExtractor].
* <li><b>PostgreSQL:</b> Configure [DefaultLobHandler] with [wrapAsLob=true],
* and use that LobHandler to access OID columns (but not BYTEA) in your database tables.
* <li>For all other database drivers (and for non-LOB fields that might potentially
* turn into LOBs on some databases): Simply use a plain [DefaultLobHandler].
* </ul>
* 
* @author Juergen Hoeller
* @since 23.12.2003
* @see DefaultLobHandler
* @see OracleLobHandler
* @see java.sql.ResultSet#getBlob
* @see java.sql.ResultSet#getClob
* @see java.sql.ResultSet#getBytes
* @see java.sql.ResultSet#getBinaryStream
* @see java.sql.ResultSetGetString
* @see java.sql.ResultSet#getAsciStream
* @see java.sql.ResultSet#CharacterStream
*/

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-
  jar/org/springframework/jdbc/support/lob/LobHandler.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2012 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * *
 *   https://www.apache.org/licenses/LICENSE-2.0
 * *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

/**
 * Close this LobCreator session and free its temporarily created BLOBs and CLOBs.
 * Will not need to do anything if using PreparedStatement's standard methods,
 * but might be necessary to free database resources if using proprietary means.
 * <p><b>NOTE</b>: Needs to be invoked after the involved PreparedStatements have
 * been executed or the affected O/R mapping sessions have been flushed.
 * Otherwise, the database resources for the temporary BLOBs might stay allocated.
 */

Found in path(s):
*/

Found in path(s):

jar/org/springframework/jdbc/datasource/init/CompositeDatabasePopulator.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/datasource/ConnectionHandle.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/core/StatementCallback.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/core/PreparedStatementCallback.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/datasource/AbstractDriverBasedDataSource.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/datasource/UserCredentialsDataSourceAdapter.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/datasource/ConnectionHolder.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/support/DatabaseMetaDataCallback.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/support/DatabaseMetaDataCallback.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/config/DatabasePopulatorConfigUtils.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/datasource/AbstractDriverBasedDataSource.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/core/PreparedStatementCallback.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/support/SQLErrorCodes.java
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/core/ConnectionCallback.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2010 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268209_1614043098.11/0/spring-jdbc-4-3-30-release-sources-1-jar/org/springframework/jdbc/datasource/lookup/IsolationLevelDataSourceRouter.java
Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.

For the developers’ and authors’ protection, the GPL clearly explains
that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without
permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention
is effected by exercising rights under this License with respect to
the covered work, and you disclaim any intention to limit operation or
modification of the work as a means of enforcing, against the work's
users, your or third parties' legal rights to forbid circumvention of
technological measures.


You may convey verbatim copies of the Program's source code as you
receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice;
keep intact all notices stating that this License and any
non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all
recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey,
and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the
terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified
it, and giving a relevant date.

b) The work must carry prominent notices stating that it is
released under this License and any conditions added under section
7. This requirement modifies the requirement in section 4 to
"keep intact all notices".

c) You must license the entire work, as a whole, under this
License to anyone who comes into possession of a copy. This
License will therefore apply, along with any applicable section 7
additional terms, to the whole of the work, and all its parts,
regardless of how they are packaged. This License gives no
permission to license the work in any other way, but it does not
invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display
Appropriate Legal Notices; however, if the Program has interactive
interfaces that do not display Appropriate Legal Notices, your
work need not make them do so.

A compilation of a covered work with other separate and independent
works, which are not by their nature extensions of the covered work,
and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.
Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".
A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered
work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the
option of following the terms and conditions either of that numbered
version or of any later version published by the Free Software
Foundation. If the Program does not specify a version number of the
GNU General Public License, you may choose any version ever published
by the Free Software Foundation.

If the Program specifies that a proxy can decide which future
versions of the GNU General Public License can be used, that proxy's
public statement of acceptance of a version permanently authorizes you
to choose that version for the Program.

Later license versions may give you additional or different
permissions. However, no additional obligations are imposed on any
author or copyright holder as a result of your choosing to follow a
later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.
The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.289 open-ldap 2.4.46 11.el8_1

1.289.1 Available under license:

Copyright 1998-2018 The OpenLDAP Foundation. All rights reserved.

COPYING RESTRICTIONS APPLY.

See COPYRIGHT and LICENSE files in the top-level directory of this distribution (i.e., ../COPYRIGHT and ../LICENSE, respectively).

OpenLDAP Public License


Redistribution and use of this software and associated documentation ("Software"), with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source form must retain copyright statements and notices,

2. Redistributions in binary form must reproduce applicable copyright statements and notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution, and

3. Redistributions must contain a verbatim copy of this document.

The OpenLDAP Foundation may revise this license from time to time. Each revision is distinguished by a version number. You may use this Software under terms of this license revision or under the terms of any subsequent revision of the license.

THIS SOFTWARE IS PROVIDED BY THE OPENLDAP FOUNDATION AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OPENLDAP FOUNDATION, ITS CONTRIBUTORS, OR THE AUTHOR(S) OR OWNER(S) OF THE SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING,
BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The names of the authors and copyright holders must not be used in advertising or otherwise to promote the sale, use or other dealing in this Software without specific, written prior permission. Title to copyright in this Software shall at all times remain with copyright holders.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Copyright 1999-2003 The OpenLDAP Foundation, Redwood City, California, USA. All rights reserved. Permission to copy and distribute verbatim copies of this document is granted.

/************************************************************************** *
* Copyright (C) 2000 Pierangelo Masarati, <ando@sys-net.it> *
* All rights reserved. *
* *
* Permission is granted to anyone to use this software for any purpose *
* on any computer system, and to alter it and redistribute it, subject *
* to the following restrictions: *
* *
* 1. The author is not responsible for the consequences of use of this *
* software, no matter how awful, even if they arise from flaws in it. *
* *
* 2. The origin of this software must not be misrepresented, either by *
* explicit claim or by omission. Since few users ever read sources, *
* credits should appear in the documentation. *
* *
* 3. Altered versions must be plainly marked as such, and must not be *
* misrepresented as being the original software. Since few users *
* ever read sources, credits should appear in the documentation. *
* *
* 4. This notice may not be removed or altered. *
* */

Copyright 1998-2018 The OpenLDAP Foundation
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted only as authorized by the OpenLDAP Public License.
A copy of this license is available in the file LICENSE in the
top-level directory of the distribution or, alternatively, at

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Individual files and/or contributed packages may be copyright by
other parties and/or subject to additional restrictions.

This work is derived from the University of Michigan LDAP v3.3
distribution. Information concerning this software is available

This work also contains materials derived from public sources.

Additional information about OpenLDAP can be obtained at
<http://www.openldap.org/>.

---

Portions Copyright 2001-2006 IBM Corporation.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted only as authorized by the OpenLDAP
Public License.

---

Portions Copyright 1999-2008 Symas Corporation.
Portions Copyright 2007-2011 Gavin Henry.
Portions Copyright 2007-2011 Suretec Systems Ltd.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that this notice is preserved.
The names of the copyright holders may not be used to endorse or
promote products derived from this software without their specific
prior written permission. This software is provided ``as is"
without express or implied warranty.

---

Portions Copyright (c) 1992-1996 Regents of the University of Michigan.
All rights reserved.

Redistribution and use in source and binary forms are permitted provided that this notice is preserved and that due credit is given to the University of Michigan at Ann Arbor. The name of the University may not be used to endorse or promote products derived from this software without specific prior written permission. This software is provided "as is" without express or implied warranty. Copyright 1998-2018 The OpenLDAP Foundation. All rights reserved.

COPYING RESTRICTIONS APPLY.

See COPYRIGHT and LICENSE files in the top-level directory of this distribution (i.e., ../COPYRIGHT and ../LICENSE, respectively).

---


Copyright (c) 1998-1999 NeoSoft, Inc.
All Rights Reserved.

This software may be used, modified, copied, distributed, and sold, in both source and binary form provided that these copyrights are retained and their terms are followed.

Under no circumstances are the authors or NeoSoft Inc. responsible for the proper functioning of this software, nor do the authors assume any liability for damages incurred with its use.

Redistribution and use in source and binary forms are permitted provided that this notice is preserved and that due credit is given to NeoSoft, Inc.

NeoSoft, Inc. may not be used to endorse or promote products derived from this software without specific prior written permission. This software is provided "as is" without express or implied warranty.

Requests for permission may be sent to NeoSoft Inc, 1770 St. James Place, Suite 500, Houston, TX, 77056.
Copyright 2011-2018 Howard Chu, Symas Corp.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted only as authorized by the OpenLDAP Public License.

A copy of this license is available in the file LICENSE in the top-level directory of the distribution or, alternatively, at
OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Individual files and/or contributed packages may be copyright by other parties and/or subject to additional restrictions.

This work also contains materials derived from public sources.

Additional information about OpenLDAP can be obtained at <http://www.openldap.org/>.

The OpenLDAP Public License
Version 2.8, 17 August 2003

Redistribution and use of this software and associated documentation ("Software"), with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source form must retain copyright statements and notices,

2. Redistributions in binary form must reproduce applicable copyright statements and notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution, and

3. Redistributions must contain a verbatim copy of this document.

The OpenLDAP Foundation may revise this license from time to time. Each revision is distinguished by a version number. You may use this Software under terms of this license revision or under the terms of any subsequent revision of the license.

THIS SOFTWARE IS PROVIDED BY THE OPENLDAP FOUNDATION AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OPENLDAP FOUNDATION, ITS CONTRIBUTORS, OR THE AUTHOR(S) OR OWNER(S) OF THE SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The names of the authors and copyright holders must not be used in
advertising or otherwise to promote the sale, use or other dealing in this Software without specific, written prior permission. Title to copyright in this Software shall at all times remain with copyright holders.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Copyright 1999-2003 The OpenLDAP Foundation, Redwood City, California, USA. All Rights Reserved. Permission to copy and distribute verbatim copies of this document is granted.

1.290 camel-jms 2.25.2
1.290.1 Available under license:

===========================================================================
== NOTICE file corresponding to the section 4 d of the Apache License, ==
== Version 2.0, in this case for the Apache Camel distribution. ==
===========================================================================

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Please read the different LICENSE files present in the licenses directory of this distribution.

Camel :: JMS
Copyright 2007-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed...
as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.291.1 **Available under license**:

This software is copyright (c) 2014 by Christopher J. Madsen.

This is free software; you can redistribute it and/or modify it under the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 2014 by Christopher J. Madsen.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

**GNU GENERAL PUBLIC LICENSE**

Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Suite 500, Boston, MA 02110-1335 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that
you changed the files and the date of any change; and

b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special
exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
to the quality and performance of the program is with you. Should the
program prove defective, you assume the cost of all necessary servicing,
repair or correction.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
to loss of data or data being rendered inaccurate or losses sustained by
you or third parties or a failure of the program to operate with any other
programs), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to humanity, the best way to achieve this is to make it
free software which everyone can redistribute and change under these
terms.

To do so, attach the following notices to the program. It is safest to
attach them to the start of each source file to most effectively convey
the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 1, or (at your option)
any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 2014 by Christopher J. Madsen.

This is free software, licensed under:

The Artistic License 1.0

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of...
the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.
d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End
1.292.1 Available under license:
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/cola/permits/1137994459_1614192427.65/0/perl-XML-SAX-Base-1.09-4.el8-1.src.rpm-cosi-expand-archive-mSGtQT9Z/perl-XML-SAX-Base.spec
No license file was found, but licenses were detected in source scan.

---
abstract: 'Base class for SAX Drivers and Filters'
author:
  - 'Grant McLean <grantm@cpan.org>'
build_requires:
  Test::More: 0.88
configure_requires:
  ExtUtils::MakeMaker: 0
dynamic_config: 0
generated_by: 'Dist::Zilla version 5.022, CPAN::Meta::Converter version 2.142690'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: XML-SAX-Base
requires:
  perl: 5.008
resources:
  repository: git://github.com/grantm/XML-SAX-Base.git
  version: 1.09

Found in path(s):
* /opt/cola/permits/1137994459_1614192427.65/0/perl-XML-SAX-Base-1.09-4.el8-1.src.rpm-cosi-expand-archive-mSGtQT9Z/XML-SAX-Base-1.09.tar.gz-cosi-expand-archive-ugcB51Ya/XML-SAX-Base-1.09/META.yml

1.293 passwd 0.80 2.el8
1.293.1 Available under license:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote
products derived from this software without specific prior
written permission.

ALTERNATIVELY, this product may be distributed under the terms of
the GNU Public License, in which case the provisions of the GPL are
required INSTEAD OF the above restrictions. (This clause is
necessary due to a potential bad interaction between the GPL and
the restrictions contained in a BSD-style copyright.)

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT,
INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
 ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.

The full text of the GNU GENERAL PUBLIC LICENSE Version 2 is included
below.

------------------------------------------------------------------------
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License

Open Source Used In CSPC_Collector 2.9.1 2943
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.294 spring-tx 4.3.30.RELEASE
1.294.1 Available under license:

No license file was found, but licenses were detected in source scan.

/ *
* Copyright 2002-2019 the original author or authors.
* *
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0

* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/annotation/Propagation.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/support/TransactionSynchronizationManager.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/support/AbstractPlatformTransactionManager.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/interceptor/TransactionAttributeSource.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/PlatformTransactionManager.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/interceptor/TransactionAttribute.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/interceptor/TransactionAttributeEditor.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/interceptor/CompositeTransactionAttributeSource.java

No license file was found, but licenses were detected in source scan.

/*

* Copyright 2002-2008 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
* https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/cci/core/CciOperations.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
/*
 * Copyright 2002-2016 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
 * /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
 jar/org/springframework/jca/cc/core/InteractionCallback.java
 * /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
 jar/org/springframework/transaction/jta/JtaTransactionObject.java
 * /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
 jar/org/springframework/transaction/support/TransactionCallback.java
 * /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
 jar/org/springframework/transaction/annotation/TransactionManagementConfigurer.java
 * /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
 jar/org/springframework/jca/cc/core/ConnectionCallback.java
 * /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
 jar/org/springframework/transaction/support/SimpleTransactionScope.java

/*
 * Copyright 2002-2013 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.
Found in path(s):
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/work/glassfish/GlassFishWorkManagerTaskExecutor.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/work/jboss/JBossWorkManagerUtils.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/context/SpringContextResourceAdapter.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/work/jboss/JBossWorkManagerTaskExecutor.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/work/glassfish/GlassFishWorkManagerTaskExecutor.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/context/SpringContextResourceAdapter.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/cci/core/support/CommAreaRecord.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/transaction/interceptor/NameMatchTransactionAttributeSource.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/cci/core/support/CommAreaRecord.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/cci/object/EisOperation.java

No license file was found, but licenses were detected in source scan.

*/

* Copyright 2002-2017 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
* https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/cci/core/support/CommAreaRecord.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/cci/object/EisOperation.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2014 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License);
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/SavepointManager.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/config/JtaTransactionManagerFactoryBean.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/config/JtaTransactionManagerBeanDefinitionParser.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/support/TransactionSynchronization.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/interceptor/TransactionInterceptor.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2020 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *    https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/config/TxAdviceBeanDefinitionParser.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/jta/WebSphereUowTransactionManager.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/work/WorkManagerTaskExecutor.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/annotation/ProxyTransactionManagementConfiguration.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/interceptor/TransactionAspectSupport.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2015 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *    https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2012 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/dao/UncategorizedDataAccessException.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/dao/DataIntegrityViolationException.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/dao/EmptyResultDataAccessException.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/jta/SpringJtaSynchronizationAdapter.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/transaction/interceptor/DelegatingTransactionAttribute.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-jar/org/springframework/jca/context/BootstrapContextAwareProcessor.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
jar/org/springframework/transaction/InvalidIsolationLevelException.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
jar/org/springframework/dao/TransientDataAccessResourceException.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
jar/org/springframework/transaction/HeuristicCompletionException.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
jar/org/springframework/transaction/TransactionUsageException.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
jar/org/springframework/transaction/jta/UserTransactionAdapter.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
jar/org/springframework/transaction/jta/SimpleTransactionFactory.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
jar/org/springframework/transaction/interceptor/AbstractFallbackTransactionAttributeSource.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
jar/org/springframework/transaction/annotation/Ejb3TransactionAnnotationParser.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2018 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
jar/org/springframework/transaction/jta/JtaTransactionManager.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
jar/org/springframework/transaction/jta/AbstractMessageEndpointFactory.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1-
jar/org/springframework/jca/endpoint/GenericMessageEndpointManager.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1.jar/org/springframework/transaction/annotation/TransactionManagementConfigurationSelector.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1.jar/org/springframework/transaction/support/TransactionTemplate.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1.jar/org/springframework/jca/cci/connection/ConnectionFactoryUtils.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1.jar/org/springframework/transaction/annotation/TransactionAnnotationParser.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1.jar/org/springframework/transaction/support/AbstractTransactionStatus.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1.jar/org/springframework/transaction/annotation/Isolation.java
* /opt/cola/permits/1137268691_1614043332.25/0/spring-tx-4-3-30-release-sources-1.jar/org/springframework/transaction/support/DefaultTransactionAttribute.java

1.295 javax-annotation-api 1.2.FR

1.295.1 Available under license:

Found license 'General Public License 2.0' in 'Copyright (c) 2005-2010 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License' Found license 'Common Development and Distribution License (CDDL) 1.1' in 'Copyright (c) 2012-2013 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle
designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License and/or its affiliates. All Rights Reserved.

Found license 'General Public License 2.0' in '* Copyright (c) 2005-2011 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in '* Copyright (c) 2005-2013 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'Common Development and Distribution License (CDDL) 1.1' in 'Copyright (c) 2005-2010 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in '* Copyright (c) 2009-2012 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in '* Copyright (c) 2009-2010 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in 'Copyright (c) 2012-2013 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License and/or its affiliates. All Rights Reserved.'

1.296 oro 2.0.8

1.297 libsemanage 2.9 1.el8

1.297.1 Available under license :

   GNU LESSER GENERAL PUBLIC LICENSE
   Version 2.1, February 1999

   Copyright (C) 1991, 1999 Free Software Foundation, Inc.
   51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.
1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.
You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.298 spidermonkey 60.9.0 4.el8

1.298.1 Available under license:
Mozilla Public License
Version 2.0

1. Definitions

1.1. “Contributor”

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. “Contributor Version”

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor’s Contribution.

1.3. “Contribution”

means Covered Software of a particular Contributor.

1.4. “Covered Software”

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. “Incompatible With Secondary Licenses”

means
a. that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or

b. that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. “Executable Form”

means any form of the work other than Source Code Form.

1.7. “Larger Work”

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. “License”

means this document.

1.9. “Licensable”

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. “Modifications”

means any of the following:

a. any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

b. any new file in Source Code Form that contains any Covered Software.

1.11. “Patent Claims” of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. “Secondary License”

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. “Source Code Form”

means the form of the work preferred for making modifications.
1.14. “You” (or “Your”)

means an individual or a legal entity exercising rights under this License. For legal entities, “You” includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, “control” means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

a. under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

b. under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

a. for any code that a Contributor has removed from Covered Software; or

b. for infringements caused by: (i) Your and any other third party’s modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

c. under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).
2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients’ rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

a. such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

b. You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients’ rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software,
except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

6. Disclaimer of Warranty

Covered Software is provided under this License on an “as is” basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except
under this disclaimer.

7. Limitation of Liability

Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any character including, without limitation, damages for lost profits, loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party’s negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party’s ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses
If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at https://mozilla.org/MPL/2.0/.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - “Incompatible With Secondary Licenses” Notice

This Source Code Form is “Incompatible With Secondary Licenses”, as defined by the Mozilla Public License, v. 2.0.

1.299 bean-validation-api 1.1.0.Final

1.300 acl 2.2.53 1.el8

1.300.1 Available under license:

Most components of the "acl" package are licensed under
Version 2.1 of the GNU Lesser General Public License (see COPYING.LGPL).

Some components (as annotated in the source) are licensed
under Version 2 of the GNU General Public License (see below),

-------------------------------------------------------------------------------

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANDABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

Most components of the "acl" package are licensed under Version 2.1 of the GNU Lesser General Public License (see below).

Some components (as annotated in the source) are licensed under Version 2 of the GNU General Public License (see COPYING).

--------------------------------------------------------------

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999
Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL.  It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it.  By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it.  You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price.  Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights.  These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you.  You must make sure that they, too, receive or can get the source
code.  If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it.  And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the
library, and (2) we offer you this license, which gives you legal
permission to copy, distribute and/or modify the library.
To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of
free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library’s complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that
uses the Library”, as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:
a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILRE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.301 sqlite 3.34.0
1.301.1 Available under license:
   public domain

1.302 transformer 2.6.4
1.302.1 Available under license:

   Found license 'Eclipse Public License 1.0' in /* Copyright (c) 2011, 2014 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
   Found license 'Eclipse Public License 1.0' in /* Copyright (c) 1998, 2013 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
   Found license 'Eclipse Public License 1.0' in /* Copyright (c) 2013, 2014 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
   Found license 'Eclipse Public License 1.0' in /* Copyright (c) 2014 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'

Open Source Used In CSPC_Collector 2.9.1 2991
License

The terms of this Eclipse Public License ("AGREEMENT"). ANY USE, distributed under this Agreement, and<br>Subject to the terms of this Agreement, each Contributor hereby grants Recipient Subject to the terms of this Agreement, each Contributor hereby grants MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or

Neither the name of the Eclipse Foundation, Inc. nor the names of its software without specific prior written permission.

Found license 'Eclipse Public License 1.0' in 'Copyright (c) 1998 - 2014 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'

Found license 'Eclipse Public License 1.0' in 'Copyright (c) 1998, 2015 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'

Found license 'Eclipse Public License 1.0' in 'Copyright (c) 2012, 2015 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'

Found license 'Eclipse Public License 1.0' in 'Copyright (c) 1998, 2014 Oracle. All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html and the Eclipse Distribution License is available at'

Found license 'Eclipse Public License 1.0' in 'Copyright (c) 1998, 2014 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'

Found license 'Eclipse Public License 1.0' in 'Copyright (c) 2011 - 2014 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'

Found license 'Eclipse Public License 1.0' in 'Copyright (c) 1998, 2014 Oracle and/or its affiliates. All rights reserved. * This program and the accompanying materials are made available under the * terms of the Eclipse Public License v1.0 and Eclipse Distribution License v. 1.0 * The Eclipse Public License is available at http://www.eclipse.org/legal/epl-v10.html * and the Eclipse Distribution License is available at'
1.303 zip 3.0 23.el8

1.303.1 Available under license:

This is version 2007-Mar-4 of the Info-ZIP license.
The definitive version of this document should be available at
ftp://ftp.info-zip.org/pub/infozip/license.html indefinitely and

Copyright (c) 1990-2007 Info-ZIP. All rights reserved.

For the purposes of this copyright and license, "Info-ZIP" is defined as
the following set of individuals:

Mark Adler, John Bush, Karl Davis, Harald Denker, Jean-Michel Dubois,
Jean-loup Gailly, Hunter Goatley, Ed Gordon, Ian Gorman, Chris Herborth,
Dirk Haase, Greg Hartwig, Robert Heath, Jonathan Hudson, Paul Kienitz,
David Kirschnbaum, Johnny Lee, Onno van der Linden, Igor Mandrichenko,
Steve P. Miller, Sergio Monesi, Keith Owens, George Petrov, Greg Roelofs,
Kai Uwe Rommel, Steve Salisbury, Dave Smith, Steven M. Schweda,
This software is provided "as is," without warranty of any kind, express or implied. In no event shall Info-ZIP or its contributors be held liable for any direct, indirect, incidental, special or consequential damages arising out of the use of or inability to use this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the above disclaimer and the following restrictions:

1. Redistributions of source code (in whole or in part) must retain the above copyright notice, definition, disclaimer, and this list of conditions.

2. Redistributions in binary form (compiled executables and libraries) must reproduce the above copyright notice, definition, disclaimer, and this list of conditions in documentation and/or other materials provided with the distribution. The sole exception to this condition is redistribution of a standard UnZipSFX binary (including SFXWiz) as part of a self-extracting archive; that is permitted without inclusion of this license, as long as the normal SFX banner has not been removed from the binary or disabled.

3. Altered versions--including, but not limited to, ports to new operating systems, existing ports with new graphical interfaces, versions with modified or added functionality, and dynamic, shared, or static library versions not from Info-ZIP--must be plainly marked as such and must not be misrepresented as being the original source or, if binaries, compiled from the original source. Such altered versions also must not be misrepresented as being Info-ZIP releases--including, but not limited to, labeling of the altered versions with the names "Info-ZIP" (or any variation thereof, including, but not limited to, different capitalizations), "Pocket UnZip," "WiZ" or "MacZip" without the explicit permission of Info-ZIP. Such altered versions are further prohibited from misrepresentative use of the Zip-Bugs or Info-ZIP e-mail addresses or the Info-ZIP URL(s), such as to imply Info-ZIP will provide support for the altered versions.


RECORD
   Carriage_Control carriage_return
   Format stream_lf
1.304 activemq-camel 5.16.1

1.304.1 Available under license:

ActiveMQ :: Camel
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work.
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "["]"
replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.305 jersey-hk2 2.26

1.306 perl-time-local 1.280 1.el8

1.306.1 Available under license :

This software is copyright (c) 1997 - 2018 by Graham Barr & Dave Rolsky.

This is free software; you can redistribute it and/or modify it under the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 1997 - 2018 by Graham Barr & Dave Rolsky.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989
GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in
exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original
licensor to copy, distribute or modify the Program subject to these
terms and conditions. You may not impose any further restrictions on the
recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of the license which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
the license, you may choose any version ever published by the Free Software
Foundation.

8. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 1997 - 2018 by Graham Barr & Dave Rolsky.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that
recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.
5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.307 httpcomponents-core 4.0.1
1.307.1 Available under license:

HttpCore
Copyright 2005-2009 Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."
"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.308 derbylocale-pt-br 10.14.2.0
1.308.1 Available under license:

============================================================================
== NOTICE file corresponding to section 4(d) of the Apache License,
== Version 2.0, in this case for the Apache Derby distribution.
==
== DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED
== BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE.
==
============================================================================

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

============================================================================

Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
"Software Grant and Corporate Contribution License Agreement",
informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code
with which this file is now or was at one time distributed
and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

============================================================================

The portion of the functionTests under 'nist' was originally
developed by the National Institute of Standards and Technology (NIST),
an agency of the United States Department of Commerce, and adapted by
International Business Machines Corporation in accordance with the NIST
Software Acknowledgment and Redistribution document at
http://www.itl.nist.gov/div897/ctg/sql_form.htm
The Derby build relies on source files supplied by the Apache Felix project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
   - Apache License 2.0
   - BSD License

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects,
including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license
and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such
as the Unicode Character Database. See http://unicode.org/copyright.html for more
details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were
automatically generated with the moman/finenight FSA library, created by
Jean-Philippe Barrette-LaPierre. This library is available under an MIT license,
see http://sites.google.com/site/rrettesite/moman and
http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from
the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0.
See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0
See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin
g Package (jaspell): http://jaspell.sourceforge.net/
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
http://snowball.tartarus.org/

The KStem stemmer in
Open Source Used In CSPC_Collector 2.9.1 3015

was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic, Persian, Romanian, Bulgarian, and Hindi analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:

analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:

analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil,
and Edmond Nolan.

The Polish analyzer (stempel) comes with a default
stopword list that is BSD-licensed created by the Carrot2 project. The file resides
in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt.
See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was
provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database.
See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software
developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary
Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST), the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and fitness, in no event shall NAIST be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortuous action, arising out of or in connection with the use or performance of this software.

A large portion of the dictionary entries originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise
contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

============================================================================

The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/.
The JSON simple jar file is licensed under the Apache 2.0 License. No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of,
"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
(a) You must give any other recipients of the Work or
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work,
excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]
Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.309 chrony 3.5 1.el8

1.309.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a
notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License.  (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole.  If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works.  But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
End of terms and conditions

How to apply these terms to your new programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.310 commons-pool 1.6
1.310.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Apache Commons Pool
Copyright 2001-2012 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

1.311 brotli 1.0.6-1.el8

1.311.1 Available under license:

Copyright (c) 2009, 2010, 2013-2016 by the Brotli Authors.

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.312 jzlib 1.0.7

1.312.1 Available under license:

<OWNER> = Regents of the University of California
<ORGANIZATION> = University of California, Berkeley
<YEAR> = 1998

In the original BSD license, both occurrences of the phrase "COPYRIGHT HOLDERS AND CONTRIBUTORS" in the disclaimer read "REGENTS AND CONTRIBUTORS".

Here is the license template:

Copyright (c) <YEAR>, <OWNER>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
Neither the name of the <ORGANIZATION> nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.313 appengineapisdk 1.9.34
1.313.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation.
source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

#########################################################################
## ADDITIONAL LICENSES
#########################################################################

The XMLSchema.dtd included in this project was developed by the W3C Consortium (http://www.w3c.org/).
Use of the source code, thus licensed, and the resultant binary are subject to the terms and conditions of the following license.

W3C SOFTWARE NOTICE AND LICENSE

This W3C work (including software, documents, or other related items) is being provided by the copyright holders under the following license. By
obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions:

Permission to use, copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications, that you make:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, a short notice of the following form (hypertext is preferred, text is permitted) should be used within the body of any redistributed or derivative code: "Copyright [Sdate-of-software] World Wide Web Consortium, (Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio University). All Rights Reserved. http://www.w3.org/Consortium/Legal/"
3. Notice of any changes or modifications to the W3C files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.

Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "["] replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
1.314 dhcp 4.3.6 41.el8

1.314.1 Available under license:

Redistribution terms                      Automated Testing Framework
===========================================================================
License
*******

All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS
``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS
BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

Copyright 2011, 2012 Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Relicensed code

The following code snippets have been taken from other projects. Even though they were not originally licensed under the terms above, the original authors have agreed to relicense their work so that this project can be distributed under a single license. This section is put here just to clarify this fact.

* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/1ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c06f2bb56.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>
* admin/check-style.sh, admin/check-style-common.awk, 
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, 
extcept the first one, were first implemented in the Buildtool project. 
They were later adapted to be part of Boost.Process and, during that 
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

===========================================================================

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
# Copyright (c) 2004-2017 by Internet Systems Consortium, Inc. ("ISC")
# Copyright (c) 1995-2003 by Internet Software Consortium
#
# Permission to use, copy, modify, and distribute this software for any
# purpose with or without fee is hereby granted, provided that the above
# copyright notice and this permission notice appear in all copies.
#
# THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES
# WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR
# ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
# WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
# ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT
# OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
#
# Internet Systems Consortium, Inc.
# 950 Charter Street
# Redwood City, CA 94063
# <info@isc.org>
# https://www.isc.org/

See the specific source files for any additional copyright or 
license statements.
<!--
-
- Permission to use, copy, modify, and/or distribute this software for any
- purpose with or without fee is hereby granted, provided that the above
- copyright notice and this permission notice appear in all copies.
-
- THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES WITH
- REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
- AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT,
- INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM
- LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE
- OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
- PERFORMANCE OF THIS SOFTWARE.
-->
Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
Copyright (C) 2004-2017  Internet Systems Consortium, Inc. ("ISC")
Copyright (C) 1996-2003  Internet Software Consortium.

Permission to use, copy, modify, and/or distribute this software for any
purpose with or without fee is hereby granted, provided that the above
copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES WITH
REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS.  IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT,
INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM
LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE
OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THIS SOFTWARE.

Portions of this code release fall under one or more of the
following Copyright notices.  Please see individual source
files for details.

For binary releases also see: OpenSSL-LICENSE.

Copyright (C) 1996-2001  Nominum, Inc.

Permission to use, copy, modify, and distribute this software for any
purpose with or without fee is hereby granted, provided that the above
copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND NOMINUM DISCLAIMS ALL WARRANTIES
WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL NOMINUM BE LIABLE FOR
ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
Copyright (C) 1995-2000 by Network Associates, Inc.

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ISC AND NETWORK ASSOCIATES DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------------------------------------------

Copyright (C) 2002 Stichting NLnet, Netherlands, stichting@nlnet.nl.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND STICHTING NLNET DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL STICHTING NLNET BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The development of Dynamically Loadable Zones (DLZ) for Bind 9 was conceived and contributed by Rob Butler.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ROB BUTLER DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ROB BUTLER BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----------------------------------------------------------------------------

Copyright (c) 1987, 1990, 1993, 1994
The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----------------------------------------------------------------------------

Copyright (C) The Internet Society 2005. This version of this module is part of RFC 4178; see the RFC itself for full legal notices.

(The above copyright notice is per RFC 3978 5.6 (a), q.v.)

-----------------------------------------------------------------------------

Copyright (c) 2004 Masarykova universita
(Masaryk University, Brno, Czech Republic)
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

------------------------------------------------------------------

Copyright (c) 1997 - 2003 Kungliga Tekniska Hgskolan
(Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the Institute nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----------------------------------------------------------------------------

Copyright (c) 1998 Doug Rabson
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----------------------------------------------------------------------------

Copyright (c) 2002, Rice University
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Rice University (RICE) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

This software is provided by RICE and the contributors on an "as is" basis, without any representations or warranties of any kind, express or implied including, but not limited to, representations or warranties of non-infringement, merchantability or fitness for a particular purpose. In no event shall RICE or contributors be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this software, even if advised of the possibility of such damage.

-----------------------------------------------------------------------------------------------

Copyright (c) 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----------------------------------------------------------------------------------------------
Copyright 2000 Aaron D. Gifford. All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of contributors
   may be used to endorse or promote products derived from this software
   without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR(S) AND CONTRIBUTOR(S) "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR(S) OR CONTRIBUTOR(S) BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

-----------------------------------------------------------------------------

Copyright (c) 1998 Doug Rabson.
Copyright (c) 2001 Jake Burkholder.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

Open Source Used In CSPC_Collector 2.9.1 3055
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--------------------------------------------------------------------------------------

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--------------------------------------------------------------------------------------

Copyright (c) 1999-2000 by Nortel Networks Corporation

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND NORTEL NETWORKS DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL NORTEL NETWORKS BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION,
ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

---------------------------------------------------------------------------------

Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved.

By using this file, you agree to the terms and conditions set forth below.

LICENSE TERMS AND CONDITIONS

The following License Terms and Conditions apply, unless a different license is obtained from Japan Network Information Center ("JPNIC"), a Japanese association, Kokusai-Kougyou-Kanda Bldg 6F, 2-3-4 Uchi-Kanda, Chiyoda-ku, Tokyo 101-0047, Japan.

1. Use, Modification and Redistribution (including distribution of any modified or derived work) in source and/or binary forms is permitted under this License Terms and Conditions.

2. Redistribution of source code must retain the copyright notices as they appear in each source code file, this License Terms and Conditions.

3. Redistribution in binary form must reproduce the Copyright Notice, this License Terms and Conditions, in the documentation and/or other materials provided with the distribution. For the purposes of binary distribution the "Copyright Notice" refers to the following language: "Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved."

4. The name of JPNIC may not be used to endorse or promote products derived from this Software without specific prior written approval of JPNIC.

5. Disclaimer/Limitation of Liability: THIS SOFTWARE IS PROVIDED BY JPNIC "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JPNIC BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

---------------------------------------------------------------------------------
Copyright (C) 2004 Nominet, Ltd.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND NOMINET DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

________________________________________________________________________

Portions Copyright RSA Security Inc.

License to copy and use this software is granted provided that it is identified as "RSA Security Inc. PKCS #11 Cryptographic Token Interface (Cryptoki)" in all material mentioning or referencing this software.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Security Inc. PKCS #11 Cryptographic Token Interface (Cryptoki)" in all material mentioning or referencing the derived work.

RSA Security Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

________________________________________________________________________

Copyright (c) 1996, David Mazieres <dm@uun.org>
Copyright (c) 2008, Damien Miller <djm@openbsd.org>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Open Source Used In CSPC_Collector 2.9.1 3058
Copyright (c) 2000-2001 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in
the documentation and/or other materials provided with the
distribution.

3. All advertising materials mentioning features or use of this
software must display the following acknowledgment:
"This product includes software developed by the OpenSSL Project
for use in the OpenSSL Toolkit. (http://www.OpenSSL.org/)"

4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
endorse or promote products derived from this software without
prior written permission. For written permission, please contact
licensing@OpenSSL.org.

5. Products derived from this software may not be called "OpenSSL"
 nor may "OpenSSL" appear in their names without prior written
permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following
acknowledgment:
"This product includes software developed by the OpenSSL Project
for use in the OpenSSL Toolkit (http://www.OpenSSL.org/)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY
EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.
Copyright (c) 1995, 1997, 1998 The NetBSD Foundation, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS
BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2005 - 2008, Holger Zuleger HZnet. All rights reserved.

This software is open source.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice,
this list of conditions and the following disclaimer in the documentation
and/or other materials provided with the distribution.

Neither the name of Holger Zuleger HZnet nor the names of its contributors may
be used to endorse or promote products derived from this software without
specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved.

By using this file, you agree to the terms and conditions set forth below.

LICENSE TERMS AND CONDITIONS

The following License Terms and Conditions apply, unless a different license is obtained from Japan Network Information Center ("JPNIC"), a Japanese association, Kokusai-Kougyou-Kanda Bldg 6F, 2-3-4 Uchi-Kanda, Chiyoda-ku, Tokyo 101-0047, Japan.

1. Use, Modification and Redistribution (including distribution of any modified or derived work) in source and/or binary forms is permitted under this License Terms and Conditions.

2. Redistribution of source code must retain the copyright notices as they appear in each source code file, this License Terms and Conditions.

3. Redistribution in binary form must reproduce the Copyright Notice, this License Terms and Conditions, in the documentation and/or other materials provided with the distribution. For the purposes of binary distribution the "Copyright Notice" refers to the following language: "Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved."

4. The name of JPNIC may not be used to endorse or promote products derived from this Software without specific prior written approval of JPNIC.

5. Disclaimer/Limitation of Liability: THIS SOFTWARE IS PROVIDED BY JPNIC "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JPNIC BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
NAME
LWP::Protocol::https - Provide https support for LWP::UserAgent

SYNOPSIS
use LWP::UserAgent;

$ua = LWP::UserAgent->new(ssl_opts => { verify_hostname => 1 });
$res = $ua->get("https://www.example.com");

DESCRIPTION
The LWP::Protocol::https module provides support for using https schemed URLs with LWP. This module is a plug-in to the LWP protocol handling, so you don't use it directly. Once the module is installed LWP is able to access sites using HTTP over SSL/TLS.

If hostname verification is requested by LWP::UserAgent's "ssl_opts", and neither "SSL_ca_file" nor "SSL_ca_path" is set, then "SSL_ca_file" is implied to be the one provided by Mozilla::CA. If the Mozilla::CA module isn't available SSL requests will fail. Either install this module, set up an alternative "SSL_ca_file" or disable hostname verification.

This module used to be bundled with the libwww-perl, but it was unbundled in v6.02 in order to be able to declare its dependencies properly for the CPAN tool-chain. Applications that need https support can just declare their dependency on LWP::Protocol::https and will no longer need to know what underlying modules to install.

SEE ALSO
IO::Socket::SSL, Crypt::SSLeay, Mozilla::CA

COPYRIGHT
Copyright 1997-2011 Gisle Aas.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
Found in path(s):

No license file was found, but licenses were detected in source scan.

---
 abstract: 'Provide https support for LWP::UserAgent'
 author:
   - 'Gisle Aas <gisle@activestate.com>'
 build_requires:
   Test::More: '0'
   Test::RequiresInternet: '0'
 configure_requires:
   ExtUtils::MakeMaker: '0'
 dynamic_config: 1
 generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150005'
 license:
   perl
 meta-spec:
   url: http://module-build.sourceforge.net/META-spec-v1.4.html
   version: '1.4'
 name: LWP-Protocol-https
 no_index:
   directory:
     - t
     - inc
 requires:
   IO::Socket::SSL: '1.54'
   LWP::UserAgent: '6.06'
   Mozilla::CA: '2011010101'
   Net::HTTPS: '6'
   perl: '5.008001'
 resources:
   MailingList: mailto:libwww@perl.org
   repository: http://github.com/libwww-perl/lwp-protocol-https
   version: '6.07'
 x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/cola/permits/1137994549_1614192594.2/0/perl-LWP-Protocol-https-6.07-4.el8-1.src.rpm-cosi-expand-
archive-rXGKymCq/perl-LWP-Protocol-https.spec
No license file was found, but licenses were detected in source scan.

=head1 NAME

LWP::Protocol::https - Provide https support for LWP::UserAgent

=head1 SYNOPSIS

use LWP::UserAgent;

$ua = LWP::UserAgent->new(ssl_opts => { verify_hostname => 1 });
$res = $ua->get("https://www.example.com");

# specify a CA path
$ua = LWP::UserAgent->new(
    ssl_opts => {
        SSL_ca_path     => '/etc/ssl/certs',
        verify_hostname => 1,
    }
);

=head1 DESCRIPTION

The LWP::Protocol::https module provides support for using https schemed
URLs with LWP. This module is a plug-in to the LWP protocol handling, so
you don't use it directly. Once the module is installed LWP is able
to access sites using HTTP over SSL/TLS.

If hostname verification is requested by LWP::UserAgent's C<ssl_opts>, and
neither C<SSL_ca_file> nor C<SSL_ca_path> is set, then C<SSL_ca_file> is
implied to be the one provided by Mozilla::CA. If the Mozilla::CA module
isn't available SSL requests will fail. Either install this module, set up an
alternative C<SSL_ca_file> or disable hostname verification.

This module used to be bundled with the libwww-perl, but it was unbundled in
v6.02 in order to be able to declare its dependencies properly for the CPAN
tool-chain. Applications that need https support can just declare their
dependency on LWP::Protocol::https and will no longer need to know what
underlying modules to install.

=head1 SEE ALSO

L<IO::Socket::SSL>, L<Crypt::SSLeay>, L<Mozilla::CA>

=head1 COPYRIGHT

Copyright 1997-2011 Gisle Aas.
This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):

### 1.316 hawtbuf 1.9

### 1.317 python-pyasn1 0.3.7-6.el8

#### 1.317.1 Available under license:

Copyright (c) 2005-2017, Ilya Etingof <etingof@gmail.com>
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

### 1.318 tdb 1.4.3-1.el8
1.318.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the
GNU General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked
Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are
based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the
object code and/or source code for the Application, including any data
and utility programs needed for reproducing the Combined Work from the
Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License
without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.
If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among
these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright © 2007 Free Software Foundation, Inc. <https://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it:
responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

“This License” refers to version 3 of the GNU General Public License.

“Copyright” also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

“The Program” refers to any copyrightable work licensed under this License. Each licensee is addressed as “you”.

“Licensees” and “recipients” may be individuals or organizations.

To “modify” a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a “modified version” of the earlier work or a work “based on” the earlier work.

A “covered work” means either the unmodified Program or a work based on the Program.

To “propagate” a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.
To “convey” a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays “Appropriate Legal Notices” to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The “source code” for a work means the preferred form of the work for making modifications to it. “Object code” means any non-source form of a work.

A “Standard Interface” means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The “System Libraries” of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A “Major Component”, in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The “Corresponding Source” for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license
otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to “keep intact all notices”.
c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an “aggregate” if the compilation and its resulting copyright
are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A “User Product” is either (1) a “consumer product”, which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, “normally used” refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

“Installation Information” for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.
If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

“Additional permissions” are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material
governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An “entity transaction” is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with
reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A “contributor” is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's “contributor version”.

A contributor's “essential patent claims” are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, “control” includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a “patent license” is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To “grant” such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. “Knowingly relying” means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is “discriminatory” if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations
that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License “or any later version” applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the “copyright” line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <https://www.gnu.org/licenses/>.
Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an “about box”.

You should also get your employer (if you work as a programmer) or school, if any, to sign a “copyright disclaimer” for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <https://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <https://www.gnu.org/licenses/why-not-lgpl.html>.

1.319 apache-jsp 9.4.11.v20180605

1.320 perl-mime-base64 3.15 396.el8
1.320.1 Available under license:

No license file was found, but licenses were detected in source scan.

This package contains a base64 encoder/decoder and a quoted-printable encoder/decoder. These encoding methods are specified in RFC 2045 - MIME (Multipurpose Internet Mail Extensions).

The base64 encoding is designed to represent arbitrary sequences of octets in a form that need not be humanly readable. A 65-character subset ([A-Za-z0-9+/=]) of US-ASCII is used, enabling 6 bits to be represented per printable character.

The quoted-printable encoding is intended to represent data that largely consists of bytes that correspond to printable characters in the ASCII character set. Each non-printable character is represented by a triplet consisting of the character "=" followed by two hexadecimal digits.

In order to install and use this package you will need Perl version
perl Makefile.PL
make
make test
make install

Copyright 1995-1999,2001-2004,2010 Gisle Aas <gisle@ActiveState.com>

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
No license file was found, but licenses were detected in source scan.

---
abstract: 'The RFC 2045 encodings; base64 and quoted-printable'
author:
- 'Gisle Aas <gisle@activestate.com>'
build_requires:
  ExtUtils::MakeMaker: 0
configure_requires:
  ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.66, CPAN::Meta::Converter version 2.133380'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: MIME-Base64
no_index:
directory:
  - t
  - inc
requires:
  XSLoader: 0
  perl: 5.004
resources:
  repository: https://github.com/gisle/mime-base64
version: 3.15

Found in path(s):
No license file was found, but licenses were detected in source scan.

=head1 NAME

MIME::Base64 - Encoding and decoding of base64 strings

=head1 SYNOPSIS

use MIME::Base64;

$encoded = encode_base64('Aladdin:open sesame');
$decoded = decode_base64($encoded);

=head1 DESCRIPTION

This module provides functions to encode and decode strings into and from the base64 encoding specified in RFC 2045 - I<MIME (Multipurpose Internet Mail Extensions)>>. The base64 encoding is designed to represent arbitrary sequences of octets in a form that need not be humanly readable. A 65-character subset ([A-Za-z0-9+/=]) of US-ASCII is used, enabling 6 bits to be represented per printable character.

The following primary functions are provided:

=over 4

=item encode_base64( $bytes )

=item encode_base64( $bytes, $eol );

Encode data by calling the encode_base64() function. The first argument is the byte string to encode. The second argument is the line-ending sequence to use. It is optional and defaults to "\n". The returned encoded string is broken into lines of no more than 76 characters each and it will end with $eol unless it is empty. Pass an empty string as second argument if you do not want the encoded string to be broken into lines.

The function will croak with "Wide character in subroutine entry" if $bytes contains characters with code above 255. The base64 encoding is only defined for single-byte characters. Use the Encode module to select the byte encoding you want.

=item decode_base64( $str )

Decode a base64 string by calling the decode_base64() function. This function takes a single argument which is the string to decode and returns the decoded data.
Any character not part of the 65-character base64 subset is
silently ignored. Characters occurring after a '=' padding character
are never decoded.

If you prefer not to import these routines into your namespace, you can
call them as:

```perl
use MIME::Base64 ();
$encoded = MIME::Base64::encode($decoded);
$decoded = MIME::Base64::decode($encoded);
```

Additional functions not exported by default:

```perl
=item encode_base64url( $bytes )
=item decode_base64url( $str )
```

Encode and decode according to the base64 scheme for "URL applications" [1].
This is a variant of the base64 encoding which does not use padding, does not
break the string into multiple lines and use the characters ".-" and ".-" instead
of "+" and "/" to avoid using reserved URL characters.

```perl
=item encoded_base64_length( $bytes )
=item encoded_base64_length( $bytes, $eol )
```

Returns the length that the encoded string would have without actually
encoding it. This will return the same value as `length(encode_base64($bytes))` >>,
but should be more efficient.

```perl
=item decoded_base64_length( $str )
```

Returns the length that the decoded string would have without actually
decoding it. This will return the same value as `length(decode_base64($str))` >>,
but should be more efficient.

=head1 EXAMPLES

If you want to encode a large file, you should encode it in chunks
that are a multiple of 57 bytes. This ensures that the base64 lines
line up and that you do not end up with padding in the middle. 57
bytes of data fills one complete base64 line (76 == 57*4/3):

use MIME::Base64 qw(encode_base64);

open(FILE, "/var/log/wtmp") or die "$!";
while (read(FILE, $buf, 60*57)) {
    print encode_base64($buf);
}

or if you know you have enough memory

use MIME::Base64 qw(encode_base64);
local($/) = undef;  # slurp
print encode_base64(<STDIN>);

The same approach as a command line:

perl -MMIME::Base64 -0777 -ne 'print encode_base64($_)' <file

Decoding does not need slurp mode if every line contains a multiple
of four base64 chars:

perl -MMIME::Base64 -ne 'print decode_base64($_)' <file

Perl v5.8 and better allow extended Unicode characters in strings.
Such strings cannot be encoded directly, as the base64
encoding is only defined for single-byte characters. The solution is
to use the Encode module to select the byte encoding you want. For
example:

use MIME::Base64 qw(encode_base64);
use Encode qw(encode);

$encoded = encode_base64(encode("UTF-8", "x{FFFF}\n");
print $encoded;

=head1 COPYRIGHT


This library is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

Distantly based on LWP::Base64 written by Martijn Koster
<m.koster@nexor.co.uk> and Joerg Reichelt <j.reichelt@nexor.co.uk> and
code posted to comp.lang.perl <3pd2lp$6gf@wsinti07.win.tue.nl> by Hans
Mulder <hansm@wsinti07.win.tue.nl>
The XS implementation uses code from metamail. Copyright 1991 Bell Communications Research, Inc. (Bellcore)

=head1 SEE ALSO

L<MIME::QuotedPrint>


=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018810387_1591379702.59/0/perl-MIME-Base64-3.15-396.el8.src.rpm-cosi-expand-archive-0eqZ8FH8/MIME-Base64-3.15.tar.gz-cosi-expand-archive-Y9WxESAM/MIME-Base64-3.15/Base64.pm
No license file was found, but licenses were detected in source scan.

License:        (GPL+ or Artistic) and MIT

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018810387_1591379702.59/0/perl-MIME-Base64-3.15-396.el8.src.rpm-cosi-expand-archive-0eqZ8FH8/perl-MIME-Base64.spec
No license file was found, but licenses were detected in source scan.

=head1 NAME

MIME::QuotedPrint - Encoding and decoding of quoted-printable strings

=head1 SYNOPSIS

use MIME::QuotedPrint;

$encoded = encode_qp($decoded);
$decoded = decode_qp($encoded);

=head1 DESCRIPTION

This module provides functions to encode and decode strings into and from the quoted-printable encoding specified in RFC 2045 - I<MIME (Multipurpose Internet Mail Extensions)>. The quoted-printable encoding is intended to represent data that largely consists of bytes that correspond to printable characters in the ASCII character set. Each non-printable character (as defined by English Americans) is represented by a triplet consisting of the character "=" followed by two hexadecimal digits.

The following functions are provided:
=over 4

=item encode_qp( $str)

=item encode_qp( $str, $eol)

=item encode_qp( $str, $eol, $binmode )

This function returns an encoded version of the string ($str) given as argument.

The second argument ($eol) is the line-ending sequence to use. It is optional and defaults to "\n". Every occurrence of "\n" is replaced with this string, and it is also used for additional "soft line breaks" to ensure that no line end up longer than 76 characters. Pass it as "\015\012" to produce data suitable for external consumption. The string "\r\n" produces the same result on many platforms, but not all.

The third argument ($binmode) will select binary mode if passed as a TRUE value. In binary mode "\n" will be encoded in the same way as any other non-printable character. This ensures that a decoder will end up with exactly the same string whatever line ending sequence it uses. In general it is preferable to use the base64 encoding for binary data; see L<MIME::Base64>.

An $eol of "" (the empty string) is special. In this case, no "soft line breaks" are introduced and binary mode is effectively enabled so that any "\n" in the original data is encoded as well.

=item decode_qp( $str )

This function returns the plain text version of the string given as argument. The lines of the result are "\n" terminated, even if the $str argument contains "\r\n" terminated lines.

=back

If you prefer not to import these routines into your namespace, you can call them as:

use MIME::QuotedPrint ();
$encoded = MIME::QuotedPrint::encode($decoded);
$decoded = MIME::QuotedPrint::decode($encoded);

Perl v5.8 and better allow extended Unicode characters in strings. Such strings cannot be encoded directly, as the quoted-printable
encoding is only defined for single-byte characters. The solution is to use the Encode module to select the byte encoding you want. For example:

```perl
use MIME::QuotedPrint qw(encode_qp);
use Encode qw(encode);

$encoded = encode_qp(encode("UTF-8", "\x{FFFF}\n"));
print $encoded;
```

=head1 COPYRIGHT


This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

L<MIME::Base64>

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018810387_1591379702.59/0/perl-MIME-Base64-3.15-396.el8.src.rpm-cosi-expand-archive-0eqZ8FH8/MIME-Base64-3.15.tar.gz-cosi-expand-archive-Y9WxESAM/MIME-Base64-3.15/QuotedPrint.pm

No license file was found, but licenses were detected in source scan.

/*

Copyright 1997-2004 Gisle Aas

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

The tables and some of the code that used to be here was borrowed from metamail, which comes with this message:

Copyright (c) 1991 Bell Communications Research, Inc. (Bellcore)

Permission to use, copy, modify, and distribute this material for any purpose and without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Bellcore not be used in advertising or publicity pertaining to this material without the specific, prior written permission
of an authorized representative of Bellcore.

BELLCORE MAKES NO REPRESENTATIONS ABOUT THE ACCURACY OR SUITABILITY
OF THIS MATERIAL FOR ANY PURPOSE. IT IS PROVIDED "AS IS",
WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES.

*/

Found in path(s):
/preopt/ws_local/PERMITS_SQL/1018810387_1591375920/590/perl-MIME-Base64-3.15-396.el8.src.rpm-cosi-expand-archive-0eqZ8FH8/MIME-Base64-3.15.tar.gz-cosi-expand-archive-Y9WxESAM/MIME-Base64-3.15/Base64.xs

1.321 xml-utils 1.2.20

1.321.1 Available under license:
Apache Axiom

Copyright 2004-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.322 activemq-client 5.15.14

1.322.1 Available under license:

ActiveMQ :: Client
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.323 jackson-mapper 1.8.2
1.323.1 Available under license:
No license file was found, but licenses were detected in source scan.

/* Jackson JSON-processor.
 *
 * Copyright (c) 2007- Tatu Saloranta, tatu.salaranta@iki.fi
 *
 * Licensed under the License specified in file LICENSE, included with
 * the source code and binary code bundles.
 * You may not use this file except in compliance with the License.
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1136271157_1613726236.02/0/jackson-mapper-lgpl-1-8-2-sources-1-
  jar/org/codehaus/jackson/map/MappingJsonFactory.java

1.324 mina 2.0.18
1.324.1 Available under license:
JZlib 0.0.* were released under the GNU LGPL license. Later, we have switched over to a BSD-style license.

------------------------------------------------------------------------------
Copyright (c) 2000,2001,2002,2003 ymnk, JCraft,Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The names of the authors may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JCRAFT, INC. OR ANY CONTRIBUTORS TO THIS SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Apache MINA
Copyright 2007-2016 The Apache Software Foundation.

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Please refer to each LICENSE.<component>.txt file for the license terms of the components that Apache MINA depends on.

Message logging is provided by the SLF4J library package, which is open source software, written by Ceki Glic, and copyright by SLF4J.ORG and QOS.ch. The original software is available from

http://www.slf4j.org/

Data compression support is provided by the JZLlib library package, which is open source software, written by JCraft, and copyright by JCraft. The original software is available from

http://www.jcraft.com/jzlib/

Spring framework is provided by the Spring framework library package, which is open source software, written by Rod Johnson et al, and copyright by Springframework.org. The original software is available from

http://www.springframework.org/

OGNL is provided by the OGNL library package, which is open source software, written by Drew Davidson and Luke Blanshard. The original
software is available from

http://www.ognl.org/
Copyright (c) 2004-2007 QOS.ch
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

/*-------------------------------------------------------------------------
| RXTX License v 2.1 - LGPL v 2.1 + Linking Over Controlled Interface.
| RXTX is a native interface to serial ports in java.
| Copyright 1997-2007 by Trent Jarvi tjarvi@qbang.org and others who
| actually wrote it. See individual source files for more information.
|
| A copy of the LGPL v 2.1 may be found at
| http://www.gnu.org/licenses/lgpl.txt on March 4th 2007. A copy is
| here for your convenience.
|
| This library is free software; you can redistribute it and/or
| modify it under the terms of the GNU Lesser General Public
| License as published by the Free Software Foundation; either
| version 2.1 of the License, or (at your option) any later version.
|
| This library is distributed in the hope that it will be useful,
| but WITHOUT ANY WARRANTY; without even the implied warranty of
| MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
| */
Lesser General Public License for more details.

An executable that contains no derivative of any portion of RXTX, but is designed to work with RXTX by being dynamically linked with it, is considered a "work that uses the Library" subject to the terms and conditions of the GNU Lesser General Public License.

The following has been added to the RXTX License to remove any confusion about linking to RXTX. We want to allow in part what section 5, paragraph 2 of the LGPL does not permit in the special case of linking over a controlled interface. The intent is to add a Java Specification Request or standards body defined interface in the future as another exception but one is not currently available.

http://www.fsf.org/licenses/gpl-faq.html#LinkingOverControlledInterface

As a special exception, the copyright holders of RXTX give you permission to link RXTX with independent modules that communicate with RXTX solely through the Sun Microsystems CommAPI interface version 2, regardless of the license terms of these independent modules, and to copy and distribute the resulting combined work under terms of your choice, provided that every copy of the combined work is accompanied by a complete copy of the source code of RXTX (the version of RXTX used to produce the combined work), being distributed under the terms of the GNU Lesser General Public License plus this exception. An independent module is a module which is not derived from or based on RXTX.

Note that people who make modified versions of RXTX are not obligated to grant this special exception for their modified versions; it is their choice whether to do so. The GNU Lesser General Public License gives permission to release a modified version without this exception; this exception also makes it possible to release a modified version which carries forward this exception.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA All trademarks belong to their respective owners.

The original GNU Lesser General Public License Follows.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.
1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
Serial port communication is provided by the RXTX library package, which is open source software, written by Keane Jarvi et al, and copyright by Keane Jarvi. The original software is available from

http://www.rxtx.org/
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

Open Source Used In CSPC_Collector 2.9.1 3109
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

Apache MINA
Copyright 2007-2016 The Apache Software Foundation.

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Please refer to each LICENSE.<component>.txt file for the license terms of the components that Apache MINA depends on.

1.325 perl-pod-perldoc 3.28 396.el8
1.325.1 Available under license :

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
"Copyright Holder" is whoever is named in the copyright or copyrights for the package.
"You" is you, if you're thinking about copying or distributing this Package.
"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.
1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.
2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.
9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.326 javax-inject 1

1.326.1 Available under license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate.
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include
the brackets! The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

/*
 * Copyright (C) 2009 The JSR-330 Expert Group
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

1.327(attr 2.4.48-3.el8)

1.327.1 Available under license:
Most components of the "attr" package are licensed under
Version 2.1 of the GNU Lesser General Public License (see below).

Some components (as annotated in the source) are licensed
under Version 2 of the GNU General Public License (see COPYING).

---------------------------------------------------------------------
GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL.  It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it.  By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it.  You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price.  Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights.  These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you.  You must make sure that they, too, receive or can get the source
code.  If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it.  And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the
library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.
In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under...
Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.
This library is distributed in the hope that it will be useful, 
but WITHOUT ANY WARRANTY; without even the implied warranty of 
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU 
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public 
License along with this library; if not, write to the Free Software 
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your 
school, if any, to sign a "copyright disclaimer" for the library, if 
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the 
library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
Most components of the "attr" package are licensed under 
Version 2.1 of the GNU Lesser General Public License (see COPYING.LGPL).

Some components (as annotated in the source) are licensed 
under Version 2 of the GNU General Public License (see below),

---------------------------------------------

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies 
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your 
freedom to share and change it. By contrast, the GNU General Public 
License is intended to guarantee your freedom to share and change free 
software--to make sure the software is free for all its users. This 
General Public License applies to most of the Free Software 
Foundation's software and to any other program whose authors commit to 
using it. (Some other Free Software Foundation software is covered by 
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.328 api-ldap-extras-codec-api 1.0.2

1.328.1 Available under license :

    Apache License
    Version 2.0, January 2004
    http://www.apache.org/licenses/

    TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensors" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
ANTLR 2 License

ANTLR 2 License

We reserve no legal rights to the ANTLR--it is fully in the public domain. An individual or company may do whatever they wish with source code distributed with ANTLR or the code generated by ANTLR, including the incorporation of ANTLR, or its output, into commercial software.

We encourage users to develop software with ANTLR. However, we do ask that credit is given to us for developing ANTLR. By "credit", we mean that if you use ANTLR or incorporate any source code into one of your programs (commercial product, research project, or otherwise) that you acknowledge this fact somewhere in the documentation, research report, etc... If you like ANTLR and have developed a nice tool with the output, please mention that you developed it using ANTLR. In addition, we ask that the headers remain intact in our source code. As long as these guidelines are kept, we expect to continue enhancing this system and expect to make other tools available as they are completed.

Apache Directory LDAP API Extras Codec API
Copyright 2003-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

This software includes code generated by ANTLR 2.

1.329 libpcap 1.9.0 3.el8

1.329.1 Available under license :
License: BSD

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The names of the authors may not be used to endorse or promote
products derived from this software without specific prior
written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

1.330 activemq-stomp 5.16.1
1.330.1 Available under license:

ActiveMQ :: STOMP Protocol
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
    Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
    stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
    that You distribute, all copyright, patent, trademark, and
    attribution notices from the Source form of the Work,
    excluding those notices that do not pertain to any part of
    the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
    distribution, then any Derivative Works that You distribute must
    include a readable copy of the attribution notices contained
    within such NOTICE file, excluding those notices that do not
    pertain to any part of the Derivative Works, in at least one
    of the following places: within a NOTICE text file distributed
    as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.
END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.331 geolite2 20180605-1.el8
1.331.1 Available under license :
This work is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License. To view a copy of this license, visit http://creativecommons.org/licenses/by-sa/4.0/.

This database incorporates GeoNames [http://www.geonames.org] geographical data, which is made available under the Creative Commons Attribution 3.0 License. To view a copy of this license, visit http://www.creativecommons.org/licenses/by/3.0/us/.
Database and Contents Copyright (c) 2018 MaxMind, Inc.

1.332 iw 4.14 5.el8
1.332.1 Available under license :
Copyright (c) 2007, 2008 Johannes Berg
Copyright (c) 2007 Andy Lutomirski
Copyright (c) 2007 Mike Kershaw
Copyright (c) 2008-2009 Luis R. Rodriguez
Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

1.333 datatype 1.3.02

1.333.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.
"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This
License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an “aggregate” if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation’s users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your
license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the
rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.
If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License,
section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read
/*
 *------------------------------------------------------------------
 * Copyright (c) 2013-2014, 2018 by Cisco Systems, Inc.
 *------------------------------------------------------------------
 */
Copyright (c) 2010, Tom Cocagne
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
* Neither the name of the Python Software Foundation nor the
  names of its contributors may be used to endorse or promote products
derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL TOM COCAGNE BE LIABLE FOR ANY
DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
1.334 kafka-clients 1.0.0

1.334.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a
Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

This distribution has a binary dependency on jersey, which is available under the CDDL
License as described below.

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL - Version 1.1)
1. Definitions.
1.1. Contributor means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version means the combination of the Original Software, prior Modifications used by a Contributor
(if any), and the Modifications made by that particular Contributor.

1.3. Covered Software means (a) the Original Software, or (b) Modifications, or (c) the combination of files
containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable means the Covered Software in any form other than Source Code.

1.5. Initial Developer means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work means a work which combines Covered Software or portions thereof with code not governed by
the terms of this License.

1.7. License means this document.

1.8. Licensable means having the right to grant, to the maximum extent possible, whether at the time of the initial
grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing
Original Software or previous Modifications;
B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You (or Your) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, You includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, control means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and
(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.
3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.
3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipients rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.


You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Oracle is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN AS IS BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER
CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.
6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. If You assert a patent infringement claim against Participant alleging that the Participant Software directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.
UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTYS NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.
The Covered Software is a commercial item, as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and commercial computer software documentation as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes,
9. MISCELLANEOUS.
This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdictions conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.
As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

Apache Kafka
Copyright 2017 The Apache Software Foundation.

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

This distribution has a binary dependency on jersey, which is available under the CDDL License. The source code of jersey can be found at https://github.com/jersey/jersey/.

1.335 vixie-cron 1.5.2-4.el8

1.335.1 Available under license :
/*
 * Copyright (c) 2004 by Internet Systems Consortium, Inc. ("ISC")
 * Copyright (c) 1997,2000 by Internet Software Consortium, Inc.
 * Permission to use, copy, modify, and distribute this software for any
* purpose with or without fee is hereby granted, provided that the above
* copyright notice and this permission notice appear in all copies.
*
* THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES
* WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
* MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR
* ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
* WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
* ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT
* OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
*/
/*
* Copyright (c) 1988, 1993, 1994
* The Regents of the University of California. All rights reserved.
*
* This code is derived from software written by Ken Arnold and
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
*
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
*/
/*
* Copyright (c) 1989, 1993
* The Regents of the University of California. All rights reserved.
*
* This code is derived from software contributed to Berkeley by
* Paul Vixie.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. Neither the name of the University nor the names of its contributors
*    may be used to endorse or promote products derived from this software
*    without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
*@(#)bitstring.h 8.1 (Berkeley) 7/19/93
*/

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.336 commons-lang3 3.3.2
1.336.1 Available under license:

<OWNER> = Regents of the University of California
<ORGANIZATION> = University of California, Berkeley
<YEAR> = 1998

In the original BSD license, both occurrences of the phrase "COPYRIGHT HOLDERS AND CONTRIBUTORS" in the disclaimer read "REGENTS AND CONTRIBUTORS".

Here is the license template:

Copyright (c) <YEAR>, <OWNER>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
Redistributions of source code must retain the above copyright notice, this list of conditions and the following
disclaimer.
Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials provided with the distribution.
Neither the name of the <ORGANIZATION> nor the names of its contributors may be used to endorse or promote
products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.337 commons-discovery 0.2
1.337.1 Available under license :
No license file was found, but licenses were detected in source scan.

    /*
    * The Apache Software License, Version 1.1
    *
    * Copyright (c) 2001 The Apache Software Foundation. All rights
    * reserved.
    *
    * Redistribution and use in source and binary forms, with or without
    * modification, are permitted provided that the following conditions
    * are met:
    *
    * 1. Redistributions of source code must retain the above copyright
    * notice, this list of conditions and the following disclaimer.
    *
    * 2. Redistributions in binary form must reproduce the above copyright
    * notice, this list of conditions and the following disclaimer in
    * the documentation and/or other materials provided with the
    * distribution.
    *
    * 3. The end-user documentation included with the redistribution,
    * if any, must include the following acknowledgment:
    * "This product includes software developed by the
    * Apache Software Foundation (http://www.apache.org/)."
* Alternately, this acknowledgment may appear in the software itself,
  * if and wherever such third-party acknowledgments normally appear.

* 4. The names "Axis" and "Apache Software Foundation" must
  * not be used to endorse or promote products derived from this
  * software without prior written permission. For written
  * permission, please contact apache@apache.org.

* 5. Products derived from this software may not be called "Apache",
  * nor may "Apache" appear in their name, without prior written
  * permission of the Apache Software Foundation.

* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
  * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
  * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
  * DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
  * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
  * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
  * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
  * USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
  * ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
  * OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
  * OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
  * SUCH DAMAGE.

*===================================================================

* This software consists of voluntary contributions made by many
  * individuals on behalf of the Apache Software Foundation. For more
  * information on the Apache Software Foundation, please see

*/

Found in path(s):
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
  jar/org/apache/commons/discovery/tools/ManagedProperties.java
No license file was found, but licenses were detected in source scan.

/**
 * $Header: /home/cvs/jakarta-commons/logging/src/java/org/apache/commons/logging/impl/SimpleLog.java,v 1.4
 2002/06/15 20:54:48 craigmcc Exp $  
 * $Revision: 1.4 $  
 * $Date: 2002/06/15 20:54:48 $  
 *
 * The Apache Software License, Version 1.1  
 *
 * Copyright (c) 1999-2002 The Apache Software Foundation. All rights
* reserved.

* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:

* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.

* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in
*    the documentation and/or other materials provided with the
*    distribution.

* 3. The end-user documentation included with the redistribution, if
*    any, must include the following acknowlegement:
*    "This product includes software developed by the
*    Apache Software Foundation (http://www.apache.org/)."
*    Alternately, this acknowlegement may appear in the software itself,
*    if and wherever such third-party acknowledgements normally appear.

* 4. The names "The Jakarta Project", "Commons", and "Apache Software
*    Foundation" must not be used to endorse or promote products derived
*    from this software without prior written permission. For written
*    permission, please contact apache@apache.org.

* 5. Products derived from this software may not be called "Apache"
*    nor may "Apache" appear in their names without prior written
*    permission of the Apache Group.

* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

==========================================

* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
Found in path(s):
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
  jar/org/apache/commons/discovery/log/SimpleLog.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
  jar/org/apache/commons/discovery/log/DiscoveryLogFactory.java

No license file was found, but licenses were detected in source scan.

*/
* $Header$
* $Revision$
* $Date$
* *
* ====================================================================
*
* The Apache Software License, Version 1.1
* *
* Copyright (c) 1999-2002 The Apache Software Foundation. All rights
* reserved.
* *
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* *
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* *
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in
* the documentation and/or other materials provided with the
* distribution.
* *
* 3. The end-user documentation included with the redistribution, if
* any, must include the following acknowlegement:
*  "This product includes software developed by the
*  Apache Software Foundation (http://www.apache.org/)."
*  Alternately, this acknowlegement may appear in the software itself,
*  if and wherever such third-party acknowlegements normally appear.
* *
* 4. The names "The Jakarta Project", "Commons", and "Apache Software
* Foundation" must not be used to endorse or promote products derived
* from this software without prior written permission. For written
* permission, please contact apache@apache.org.
* *
* 5. Products derived from this software may not be called "Apache"
* nor may "Apache" appear in their names without prior written
permission of the Apache Group.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.
No license file was found, but licenses were detected in source scan.

/*
 * The Apache Software License, Version 1.1
 *
 * Copyright (c) 1999-2002 The Apache Software Foundation. All rights
 * reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 *
 * 3. The end-user documentation included with the redistribution, if
 *    any, must include the following acknowledgement:
 *    "This product includes software developed by the
 *    Apache Software Foundation (http://www.apache.org/)."
 *    Alternately, this acknowledgement may appear in the software itself,
 *    if and wherever such third-party acknowledgements normally appear.
 *
 * 4. The names "The Jakarta Project", "Commons", and "Apache Software
 *    Foundation" must not be used to endorse or promote products derived
 *    from this software without prior written permission. For written
 *    permission, please contact apache@apache.org.
 *
 * 5. Products derived from this software may not be called "Apache"
 *    nor may "Apache" appear in their names without prior written
 *    permission of the Apache Group.
 *
 * THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
 * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
 * DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
 * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
 * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
 * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
 * USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,  
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT  
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
* SUCH DAMAGE.

* ====================================================================

* This software consists of voluntary contributions made by many  
* individuals on behalf of the Apache Software Foundation. For more  
* information on the Apache Software Foundation, please see  
* /

Found in path(s):
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resource/ResourceDiscoverImpl.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/ResourceClassIterator.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resource/names/DiscoverNamesInDictionary.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resource/names/DiscoverNamesInAlternateManagedProperties.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resource/names/DiscoverNamesInSystemProperties.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resource/names/NameDiscoverers.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resources/ResourceIterator.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resource/ResourceDiscoverer.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resource/services/DiscoverNamesInFile.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resource/services/DiscoverServiceNames.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resources/ResourceClass.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resources/ResourceClassDiscover.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resources/ResourceIterator.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resources/ResourceDiscoverer.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resources/ResourceClass.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resources/ResourceDiscoverers.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resources/ResourceClass.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-  
  jar/org/apache/commons/discovery/resources/ResourceIterator.java
1.338 activemq-jaas 5.16.0

1.338.1 Available under license:

ActiveMQ :: JAAS

Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.339 derbynet 10.14.2.0
1.339.1 Available under license :
Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

========================================================================

Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
"Software Grant and Corporate Contribution License Agreement",
informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code
with which this file is now or was at one time distributed
and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

========================================================================

The portion of the functionTests under 'nist' was originally
developed by the National Institute of Standards and Technology (NIST),
an agency of the United States Department of Commerce, and adapted by
International Business Machines Corporation in accordance with the NIST
Software Acknowledgment and Redistribution document at
http://www.itl.nist.gov/div897/ctg/sql_form.htm

========================================================================

The Derby build relies on source files supplied by the Apache Felix
project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software
This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
- Apache License 2.0
- BSD License

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects,
including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license
and Copyright (c) 1995-2008 International Business Machines Corporation and others
Some data files (under analysis/icu/src/data) are derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rettestesite/moman and http://bitbucket.org/jbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0. See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0. See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin g Package (jaspell): http://jaspell.sourceforge.net/ License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
    analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
    analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
    http://snowball.tartarus.org/

The KStem stemmer in
    analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt
The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smarten) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/sloownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

Open Source Used In CSPC_Collector 2.9.1 3197
This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST),
the copyright holders, disclaims all warranties with regard to this
software, including all implied warranties of merchantability and
fitness, in no event shall NAIST be liable for
any special, indirect or consequential damages or any damages
whatsoever resulting from loss of use, data or profits, whether in an
action of contract, negligence or other tortuous action, arising out
of or in connection with the use or performance of this software.

A large portion of the dictionary entries
originate from ICOT Free Software. The following conditions for ICOT
Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its
original form or modified, to any third party or parties, PROVIDED
that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
on, or be attached to, the Program, which is distributed substantially
in the same form as set out herein and that such intended
distribution, if actually made, will neither violate or otherwise
contravene any of the laws and regulations of the countries having
jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the
research and development conducted during the project and is provided
to users as so produced on an experimental basis. Accordingly, the
program is provided without any warranty whatsoever, whether express,
implied, statutory or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality,
performance, merchantability and fitness for a particular purpose of
the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term “use” as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

=========================================================================  
The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/. The JSON simple jar file is licensed under the Apache 2.0 License. No other notice covers that jar file.

Apache License  
Version 2.0, January 2004  
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.340 axiom-jaxb 1.2.15
1.340.1 Available under license:

Apache Axiom

Copyright 2004-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTicular PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.
To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.341 libgpg-error 1.31 1.el8

1.341.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.
If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL.  It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages—typically libraries—of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The
former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or
your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.342 bcmail-jdk14 1.48
1.342.1 Available under license:
Copyright (c) 2000 - 2021 The Legion of the Bouncy Castle Inc. (https://www.bouncycastle.org)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.343 activemq-jms-pool 5.16.1
1.343.1 Available under license:

ActiveMQ :: Generic JMS Pool
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.344 grub2 2.02-90.el8
1.344.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program— to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.
Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the
earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article
11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display
Appropriate Legal Notices; however, if the Program has interactive
interfaces that do not display Appropriate Legal Notices, your
work need not make them do so.

A compilation of a covered work with other separate and independent
works, which are not by their nature extensions of the covered work,
and which are not combined with it such as to form a larger program,
in or on a volume of a storage or distribution medium, is called an
"aggregate" if the compilation and its resulting copyright are not
used to limit the access or legal rights of the compilation's users
beyond what the individual works permit. Inclusion of a covered work
in an aggregate does not cause this License to apply to the other
parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms
of sections 4 and 5, provided that you also convey the
machine-readable Corresponding Source under the terms of this License,
in one of these ways:

a) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by the
Corresponding Source fixed on a durable physical medium
customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by a
written offer, valid for at least three years and valid for as
long as you offer spare parts or customer support for that product
model, to give anyone who possesses the object code either (1) a
copy of the Corresponding Source for all the software in the
product that is covered by this License, on a durable physical
medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product,
doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is
reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party’s predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.
11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered
work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the
Program specifies that a certain numbered version of the GNU General
Public License "or any later version" applies to it, you have the
option of following the terms and conditions either of that numbered
version or of any later version published by the Free Software
Foundation. If the Program does not specify a version number of the
GNU General Public License, you may choose any version ever published
by the Free Software Foundation.

If the Program specifies that a proxy can decide which future
versions of the GNU General Public License can be used, that proxy's
public statement of acceptance of a version permanently authorizes you
to choose that version for the Program.

Later license versions may give you additional or different
permissions. However, no additional obligations are imposed on any
author or copyright holder as a result of your choosing to follow a
later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".
You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

COPYRIGHT AND PERMISSION NOTICE

Copyright 1991-2011 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

1.345 texinfo 6.5 4.el8

1.345.1 Available under license:
@c The GNU Free Documentation License.
@center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document free in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.
A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be
read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The `Title Page` means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, `Title Page` means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The `publisher` means any person or entity that distributes copies of the Document to the public.

A section `Entitled XYZ` means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as `Acknowledgements`, `Dedications`, `Endorsements`, or `History`.) To `Preserve the Title` of such a section when you modify the Document means that it remains a section `Entitled XYZ` according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item
VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item
COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate A
@item Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item Preserve all the copyright notices of the Document.

@item Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

@item Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item Include an unaltered copy of this License.

@item Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item Preserve the network location, if any, given in the Document for
public access to a Transparent copy of the Document, and likewise
the network locations given in the Document for previous versions
it was based on. These may be placed in the "History" section.
You may omit a network location for a work that was published at
least four years before the Document itself, or if the original
publisher of the version it refers to gives permission.

- For any section Entitled "Acknowledgements" or "Dedications", Preserve
  the Title of the section, and preserve in the section all the
  substance and tone of each of the contributor acknowledgements and/or
dedications given therein.

- Preserve all the Invariant Sections of the Document,
  unaltered in their text and in their titles. Section numbers
  or the equivalent are not considered part of the section titles.

- Delete any section Entitled "Endorsements". Such a section
  may not be included in the Modified Version.

- Do not retile any existing section to be Entitled "Endorsements" or
to conflict in title with any Invariant Section.

- Preserve any Warranty Disclaimers.

End

If the Modified Version includes new front-matter sections or
appendices that qualify as Secondary Sections and contain no material
copied from the Document, you may at your option designate some or all
of these sections as invariant. To do this, add their titles to the
list of Invariant Sections in the Modified Version's license notice.
These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains
nothing but endorsements of your Modified Version by various
parties—for example, statements of peer review or that the text has
been approved by an organization as the authoritative definition of a
standard.

You may add a passage of up to five words as a Front-Cover Text, and a
passage of up to 25 words as a Back-Cover Text, to the end of the list
of Cover Texts in the Modified Version. Only one passage of
Front-Cover Text and one of Back-Cover Text may be added by (or
through arrangements made by) any one entity. If the Document already
includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.
However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RELICENSING

“Massive Multiauthor Collaboration Site” (or “MMC Site”) means any World Wide Web server that publishes copyrightable works and also
provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A “Massive Multiauthor Collaboration” (or “MMC”) contained in the site means any set of copyrightable works thus published on the MMC site.

“CC-BY-SA” means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

“Incorporate” means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is “eligible for relicensing” if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page
@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled “GNU Free Documentation License”.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the “with@dots{}Texts.”@: line with this:
If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@c Local Variables:  
@c ispell-local-pdict: "ispell-dict"  
@c End:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.
To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.
"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction.
and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed; section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological
measure under any applicable law fulfilling obligations under article
11 of the WIPO copyright treaty adopted on 20 December 1996, or
similar laws prohibiting or restricting circumvention of such
measures.

When you convey a covered work, you waive any legal power to forbid
circumvention of technological measures to the extent such circumvention
is effected by exercising rights under this License with respect to
the covered work, and you disclaim any intention to limit operation or
modification of the work as a means of enforcing, against the work's
users, your or third parties' legal rights to forbid circumvention of
technological measures.


You may convey verbatim copies of the Program's source code as you
receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice;
keep intact all notices stating that this License and any
non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all
recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey,
and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the
terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified
it, and giving a relevant date.

b) The work must carry prominent notices stating that it is
released under this License and any conditions added under section
7. This requirement modifies the requirement in section 4 to
"keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:
a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under
this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the
Corresponding Source of the work from the predecessor in interest, if
the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the
rights granted or affirmed under this License. For example, you may
not impose a license fee, royalty, or other charge for exercise of
rights granted under this License, and you may not initiate litigation
(including a cross-claim or counterclaim in a lawsuit) alleging that
any patent claim is infringed by making, using, selling, offering for
sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The
work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims
owned or controlled by the contributor, whether already acquired or
hereafter acquired, that would be infringed by some manner, permitted
by this License, of making, using, or selling its contributor version,
but do not include claims that would be infringed only as a
consequence of further modification of the contributor version. For
purposes of this definition, "control" includes the right to grant
patent sublicenses in a manner consistent with the requirements of
this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free
patent license under the contributor's essential patent claims, to
make, use, sell, offer for sale, import and otherwise run, modify and
propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express
agreement or commitment, however denominated, not to enforce a patent
(such as an express permission to practice a patent or covenant not to
sue for patent infringement). To "grant" such a patent license to a
party means to make such an agreement or commitment not to enforce a
patent against the party.

If you convey a covered work, knowingly relying on a patent license,
and the Corresponding Source of the work is not available for anyone
to copy, free of charge and under the terms of this License, through a
publicly available network server or other readily accessible means,
then you must either (1) cause the Corresponding Source to be so
available, or (2) arrange to deprive yourself of the benefit of the
patent license for this particular work, or (3) arrange, in a manner
consistent with the requirements of this License, to extend the patent
license to downstream recipients. "Knowingly relying" means you have
actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed
under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>  
This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.
If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.
When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

^L

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other
program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

---

Open Source Used In CSPC_Collector 2.9.1 3273
a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply, and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.
12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>

Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.346 api-util 1.0.2
1.346.1 Available under license:

Apache Directory LDAP API Utilities
Copyright 2003-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.347 spring-tx 2.5.1
1.347.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "["]
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.348 jetty-alpn-java-server 9.4.11.v20180605

Open Source Used In CSPC_Collector 2.9.1 3289
Apache Log4j API
Copyright 1999-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.
To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.350 tunctl 1.5 3.el6
1.350.1 Available under license:
From RPM File Metadata:GPL+

1.351 snappy 1.1.7 5.el8
1.351.1 Available under license:
Copyright 2011, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from
this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

===

Some of the benchmark data in testdata/ is licensed differently:

- fireworks.jpeg is Copyright 2013 Steinar H. Gunderson, and is licensed under the Creative Commons Attribution 3.0 license (CC-BY-3.0). See https://creativecommons.org/licenses/by/3.0/ for more information.

- kppkn.gtb is taken from the Gaviota chess tablebase set, and is licensed under the MIT License. See https://sites.google.com/site/gaviotachessengine/Home/endgame-tablebases-1 for more information.

- paper-100k.pdf is an excerpt (bytes 92160 to 194560) from the paper Combinatorial Modeling of Chromatin Features Quantitatively Predicts DNA Replication Timing in _Drosophila_ by Federico Comoglio and Renato Paro, which is licensed under the CC-BY license. See http://www.ploscompbiol.org/static/license for more information.

- alice29.txt, asyoulik.txt, plrabn12.txt and lcet10.txt are from Project Gutenberg. The first three have expired copyrights and are in the public domain; the latter does not have expired copyright, but is still in the public domain according to the license information (http://www.gutenberg.org/ebooks/53).

1.352 psmisc 23.1 3.el8

1.352.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making
The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

---

<one line to give the program's name and a brief idea of what it does.>

Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.
1.353 httpcomponents-httpmime 4.0.1

1.353.1 Available under license:
Apache HttpComponents Client
Copyright 1999-2019 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate.
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

=====================================================================
This project includes Public Suffix List copied from
<https://publicsuffix.org/list/effective_tld_names.dat>
licensed under the terms of the Mozilla Public License, v. 2.0
Mozilla Public License Version 2.0
==================================

1. Definitions
------------

1.1. "Contributor"
means each individual or legal entity that creates, contributes to
the creation of, or owns Covered Software.

1.2. "Contributor Version"
means the combination of the Contributions of others (if any) used
by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"
means Covered Software of a particular Contributor.

1.4. "Covered Software"
means Source Code Form to which the initial Contributor has attached
the notice in Exhibit A, the Executable Form of such Source Code
Form, and Modifications of such Source Code Form, in each case
including portions thereof.

1.5. "Incompatible With Secondary Licenses"
means
(a) that the initial Contributor has attached the notice described
in Exhibit B to the Covered Software; or
(b) that the Covered Software was made available under the terms of
version 1.1 or earlier of the License, but not also under the
terms of a Secondary License.

1.6. "Executable Form"
means any form of the work other than Source Code Form.

1.7. "Larger Work"
means a work that combines Covered Software with other material, in
a separate file or files, that is not Covered Software.

1.8. "License"
means this document.

1.9. "Licensable"
means having the right to grant, to the maximum extent possible,
whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. "Modifications"
means any of the following:

(a) any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

(b) any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor
means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"
means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"
means the form of the work preferred for making modifications.

1.14. "You" (or "Your")
means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:
(a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

(b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

(a) for any code that a Contributor has removed from Covered Software; or

(b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

(c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation
Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

(a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

(b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered
Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular
Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

************************************************************************
*
*  6. Disclaimer of Warranty
*  -------------------------
*  
*  Covered Software is provided under this License on an "as is" basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.
*  
*  ************************************************************************
*
*  7. Limitation of Liability
*  --------------------------
*  
*  Under no circumstances and under no legal theory, whether tort
* (including negligence), contract, or otherwise, shall any * * Contributor, or anyone who distributes Covered Software as * * permitted above, be liable to You for any direct, indirect, * * special, incidental, or consequential damages of any character * * including, without limitation, damages for lost profits, loss of * * goodwill, work stoppage, computer failure or malfunction, or any * * and all other commercial damages or losses, even if such party * * shall have been informed of the possibility of such damages. This * * limitation of liability shall not apply to liability for death or * * personal injury resulting from such party's negligence to the * * extent applicable law prohibits such limitation. Some * * jurisdictions do not allow the exclusion or limitation of * * incidental or consequential damages, so this exclusion and * * limitation may not apply to You. * *

************************************************************************

8. Litigation
-------------

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

9. Miscellaneous
----------------

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License
---------------------------

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions
You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice

-------------------------------------------
This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice

-------------------------------------------
This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

1.354 gzip 1.9 9.el8
1.354.1 Available under license:

GNU Free Documentation License
Version 1.3, 3 November 2008
<http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other
functional and useful document “free” in the sense of freedom: to
assure everyone the effective freedom to copy and redistribute it,
with or without modifying it, either commercially or noncommercially.
Secondarily, this License preserves for the author and publisher a way
to get credit for their work, while not being considered responsible
for modifications made by others.

This License is a kind of "copyleft", which means that derivative
works of the document must themselves be free in the same sense. It
complements the GNU General Public License, which is a copyleft
license designed for free software.

We have designed this License in order to use it for manuals for free
software, because free software needs free documentation: a free
program should come with manuals providing the same freedoms that the
software does. But this License is not limited to software manuals;
it can be used for any textual work, regardless of subject matter or
whether it is published as a printed book. We recommend this License
principally for works whose purpose is instruction or reference.

1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that
contains a notice placed by the copyright holder saying it can be
distributed under the terms of this License. Such a notice grants a
world-wide, royalty-free license, unlimited in duration, to use that
work under the conditions stated herein. The "Document", below,
refers to any such manual or work. Any member of the public is a
licensee, and is addressed as "you". You accept the license if you
copy, modify or distribute the work in a way requiring permission
under copyright law.

A "Modified Version" of the Document means any work containing the
Document or a portion of it, either copied verbatim, or with
modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of
the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself,
plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

3. COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify
you as the publisher of these copies. The front cover must present
the full title with all words of the title equally prominent and
visible. You may add other material on the covers in addition.
Copying with changes limited to the covers, as long as they preserve
the title of the Document and satisfy these conditions, can be treated
as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit
legibly, you should put the first ones listed (as many as fit
reasonably) on the actual cover, and continue the rest onto adjacent
pages.

If you publish or distribute Opaque copies of the Document numbering
more than 100, you must either include a machine-readable Transparent
copy along with each Opaque copy, or state in or with each Opaque copy
a computer-network location from which the general network-using
public has access to download using public-standard network protocols
a complete Transparent copy of the Document, free of added material.
If you use the latter option, you must take reasonably prudent steps,
when you begin distribution of Opaque copies in quantity, to ensure
that this Transparent copy will remain thus accessible at the stated
location until at least one year after the last time you distribute an
Opaque copy (directly or through your agents or retailers) of that
edition to the public.

It is requested, but not required, that you contact the authors of the
Document well before redistributing any large number of copies, to
give them a chance to provide you with an updated version of the
Document.

4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under
the conditions of sections 2 and 3 above, provided that you release
the Modified Version under precisely this License, with the Modified
Version filling the role of the Document, thus licensing distribution
and modification of the Modified Version to whoever possesses a copy
of it. In addition, you must do these things in the Modified Version:

A. Use in the Title Page (and on the covers, if any) a title distinct
from that of the Document, and from those of previous versions
(which should, if there were any, be listed in the History section
of the Document). You may use the same title as a previous version
if the original publisher of that version gives permission.
B. List on the Title Page, as authors, one or more persons or entities
responsible for authorship of the modifications in the Modified
Version, together with at least five of the principal authors of the
Document (all of its principal authors, if it has fewer than five),
unless they release you from this requirement.
C. State on the Title page the name of the publisher of the
Modified Version, as the publisher.
D. Preserve all the copyright notices of the Document.
E. Add an appropriate copyright notice for your modifications
adjacent to the other copyright notices.
F. Include, immediately after the copyright notices, a license notice
giving the public permission to use the Modified Version under the
terms of this License, in the form shown in the Addendum below.
G. Preserve in that license notice the full lists of Invariant Sections
and required Cover Texts given in the Document's license notice.
H. Include an unaltered copy of this License.
I. Preserve the section Entitled "History", Preserve its Title, and add
to it an item stating at least the title, year, new authors, and
publisher of the Modified Version as given on the Title Page. If
there is no section Entitled "History" in the Document, create one
stating the title, year, authors, and publisher of the Document as
given on its Title Page, then add an item describing the Modified
Version as stated in the previous sentence.
J. Preserve the network location, if any, given in the Document for
public access to a Transparent copy of the Document, and likewise
the network locations given in the Document for previous versions
it was based on. These may be placed in the "History" section.
You may omit a network location for a work that was published at
least four years before the Document itself, or if the original
publisher of the version it refers to gives permission.
K. For any section Entitled "Acknowledgements" or "Dedications",
Preserve the Title of the section, and preserve in the section all
the substance and tone of each of the contributor acknowledgements
and/or dedications given therein.
L. Preserve all the Invariant Sections of the Document,
under altered in their text and in their titles. Section numbers
or the equivalent are not considered part of the section titles.
M. Delete any section Entitled "Endorsements". Such a section
may not be included in the Modified Version.
N. Do not retitle any existing section to be Entitled "Endorsements"
or to conflict in title with any Invariant Section.
O. Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or
appendices that qualify as Secondary Sections and contain no material
copied from the Document, you may at your option designate some or all
of these sections as invariant. To do this, add their titles to the
list of Invariant Sections in the Modified Version's license notice.
These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains
nothing but endorsements of your Modified Version by various parties--for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements".

6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other
documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.
If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See http://www.gnu.org/copyleft/.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version
number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

11. RELICENSING

"Massive Multiauthor Collaboration Site" (or "MMC Site") means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A "Massive Multiauthor Collaboration" (or "MMC") contained in the site means any set of copyrightable works thus published on the MMC site.

"CC-BY-SA" means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

"Incorporate" means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is "eligible for relicensing" if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (c) YEAR YOUR NAME.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled “GNU
Free Documentation License”.

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with...Texts." line with this:

with the Invariant Sections being LIST THEIR TITLES, with the Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this
License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7
additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an “aggregate” if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord
d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or
author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a)
provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may
not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.
If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the
14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS).
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.

For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.355 python-cryptography 2.3 3.el8

1.355.1 Available under license:

Copyright (c) Individual contributors.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of PyCA Cryptography nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software is made available under the terms of *either* of the licenses found in LICENSE.APACHE or LICENSE.BSD. Contributions to cryptography are made under the terms of *both* these licenses.

The code used in the OpenSSL locking callback and OS random engine is derived from CPython, and is licensed under the terms of the PSF License Agreement.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed.
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.356 sqlite-jdbc 3.34.0
1.356.1 Available under license:

Copyright (c) 2006, David Crawshaw. All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999
Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.
To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of
free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

   These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safer to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This product includes the following softwares developed by David Crawshaw. See LICENSE.zentus file.

And also, NestedVM (Apache License Version 2.0) is used inside sqlite. Copyright 1992, 1993, 1994, 1997 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.

2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.

4. This notice may not be removed or altered.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.357 iproute 5.3.0 1.el8

1.357.1 Available under license:
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
   51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program "Gnomovision" (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.358 httpcomponents-httpclient 4.2

1.358.1 Available under license:
   Apache License
   Version 2.0, January 2004
   http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

This project contains annotations derived from JCIP-ANNOTATIONS
Copyright (c) 2005 Brian Goetz and Tim Peierls.
See http://www.jcip.net and the Creative Commons Attribution License
(http://creativecommons.org/licenses/by/2.5)
Apache HttpClient
Copyright 1999-2012 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

1.359 eclipse-persistence-moxy 2.6.4
1.359.1 Available under license:

<html>
<head>
<title>Eclipse License</title>
</head>

<body>
<div class=Section0>
<p align=center style='text-align:center'><b>License</b></p>
<p align=center style='text-align:center'><b>Eclipse Public License - v 1.0</b></p>
<p align=center style='text-align:center'>License</b></p>
<p align=center style='text-align:center'><a name="EPL">Eclipse Public License - v 1.0</a> and <a href="#EDL">Eclipse Distribution License Version 1.0 (EDL)</a>. For purposes of the EPL, "Program" will mean the Content. <a name="redistributor">If you did not receive this Content directly from the Eclipse Foundation, the Content is being redistributed by another party ("Redistributor") and different terms and conditions may apply to your use of any object code in the Content. Check the Redistributors license that was provided with the Content. If no such license exists, contact the Redistributor. Unless otherwise indicated below, the terms and conditions of the EPL and EDL still apply to any source code in the Content and such source code may be obtained at <a href="http://www.eclipse.org"">http://www.eclipse.org</a>.<a name="additional">THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE</a></p>
</div>
</body>
</html>
OF THIS AGREEMENT. </p>

<p>&lt;b&gt;1. DEFINITIONS</b> </p>

<p>&quot;Contribution&quot; means: </p>

<p> a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and<b></b><br>
b) in the case of each subsequent Contributor:</p>

<p> i) changes to the Program, and</p>

<p> ii) additions to the Program;</p>

<p> where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program. </p>

<p>&quot;Contributor&quot; means any person or entity that distributes the Program. </p>

<p>&quot;Licensed Patents&quot; mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program. </p>

<p>&quot;Program&quot; means the Contributions distributed in accordance with this Agreement. </p>

<p>&quot;Recipient&quot; means anyone who receives the Program under this Agreement, including all Contributors. </p>

<p><b>2. GRANT OF RIGHTS</b> </p>

<p>a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form. </p>
Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient’s responsibility to acquire that license before distributing the Program.

Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

- it complies with the terms and conditions of this Agreement; and
- its license agreement:
  - effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
<p>ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits; </p>

<p>iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and</p>

<p>iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange. </p>

<p>When the Program is made available in source code form: </p>

<p>a) it must be made available under this Agreement; and </p>

<p>b) a copy of this Agreement must be included with each copy of the Program. </p>

<p>Contributors may not remove or alter any copyright notices contained within the Program. </p>

<p>Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution. </p>

<p>4. COMMERCIAL DISTRIBUTION</p>

<p>Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor (&quot;Commercial Contributor&quot;) hereby agrees to defend and indemnify every other Contributor (&quot;Indemnified Contributor&quot;) against any losses, damages and costs (collectively &quot;Losses&quot;) arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial
Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense. </p>

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages. </p>

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement , including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations. </p>

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. </p>

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable. </p>

If Recipient institutes patent litigation
against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed. </p>

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive. </p>

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. </p>

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation. </p>

Copyright (c) 2007, Eclipse Foundation, Inc. and its licensors.
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
<ul>
<li>Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.</li>
<li>Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.</li>
<li>Neither the name of the Eclipse Foundation, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.</li>
</ul>

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the
library, and (2) we offer you this license, which gives you legal
permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that
there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know
that what they have is not the original version, so that the original
author's reputation will not be affected by problems that might be
introduced by others.
Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is
linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
@c The GNU Free Documentation License.
@center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
c hence no sectioning command or @node.

@display
@uref{http://fsf.org/}
@end display

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
@end display

@example
@enumerate 0
@item
PREAMBLE
@end enumerate

The purpose of this License is to make a manual, textbook, or other functional and useful document @dfn{free} in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of `\copyleft', which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals;
it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item

**APPLICABILITY AND DEFINITIONS**

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document
straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not ``Transparent'' is called ``Opaque''.

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The ``Title Page'' means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, ``Title Page'' means the text near the most prominent appearance of the work’s title, preceding the beginning of the body of the text.

The ``publisher'' means any person or entity that distributes copies of the Document to the public.

A section ``Entitled XYZ'' means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as ``Acknowledgements'', ``Dedications'', ``Endorsements'', or ``History''.) To ``Preserve the Title'' of such a section when you modify the Document means that it remains a section ``Entitled XYZ'' according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.
@item
VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item
COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that
edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

@item
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate
@item
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled ``History'', Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled ``History'' in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled ``Acknowledgements'' or ``Dedications'', Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled ``Endorsements''. Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled ``Endorsements'' or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or
appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version’s license notice. These titles must be distinct from any other section titles.

You may add a section Entitled “Endorsements”, provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled “History” in the various original documents, forming one section Entitled “History”; likewise combine any sections Entitled “Acknowledgements”,

Open Source Used In CSPC_Collector 2.9.1 3393
and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item
TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include
the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item

TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item

FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number.
If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item RELICENSING

“Massive Multiauthor Collaboration Site” (or “MMC Site”) means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A “Massive Multiauthor Collaboration” (or “MMC”) contained in the site means any set of copyrightable works thus published on the MMC site.

“CC-BY-SA” means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

“Incorporate” means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is “eligible for relicensing” if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page
@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of
the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with@dots{}Texts." line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public
0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful,
b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying
Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and
conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

1.362 api-ldap-net-mina 1.0.2
1.362.1 Available under license:

Apache Directory LDAP API Network MINA
Copyright 2003-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS.
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTicular PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.363 irqbalance 1.4.0 4.el8

1.363.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a
notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful, 
but WITHOUT ANY WARRANTY; without even the implied warranty of 
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the 
GNU General Public License for more details.

You should have received a copy of the GNU General Public License 
along with this program; if not, write to the Free Software 
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this 
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it 
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate 
parts of the General Public License. Of course, the commands you use may 
be called something other than `show w' and `show c'; they could even be 
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your 
school, if any, to sign a "copyright disclaimer" for the program, if 
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into 
proprietary programs. If your program is a subroutine library, you may 
consider it more useful to permit linking proprietary applications with the 
library. If this is what you want to do, use the GNU Library General 
Public License instead of this License.

1.364 linux-kernel 4.18.0-147.el8
1.364.1 Available under license:

FlashPoint Driver Developer's Kit
Version 1.0

Copyright 1995-1996 by Mylex Corporation
All Rights Reserved

This program is free software; you may redistribute and/or modify it under
the terms of either:

a) the GNU General Public License as published by the Free Software
Foundation; either version 2, or (at your option) any later version,

or

b) the "BSD-style License" included below.

This program is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY, without even the implied warranty of MERCHANTABILITY
or FITNESS FOR A PARTICULAR PURPOSE. See either the GNU General Public
License or the BSD-style License below for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
675 Mass Ave, Cambridge, MA 02139, USA.

The BSD-style License is as follows:

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

1. Redistributions of source code must retain this LICENSE.FlashPoint
file, without modification, this list of conditions, and the following
disclaimer. The following copyright notice must appear immediately at
the beginning of all source files:

   Copyright 1995-1996 by Mylex Corporation. All Rights Reserved

   This file is available under both the GNU General Public License
   and a BSD-style copyright; see LICENSE.FlashPoint for details.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

3. The name of Mylex Corporation may not be used to endorse or promote
products derived from this software without specific prior written
Permission.

THIS SOFTWARE IS PROVIDED BY MYLEX CORP. "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;


Open Source Used In CSPC_Collector 2.9.1 3415
and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

Copyright (c) 2009-2013 QLogic Corporation
QLogic Linux qlcnic NIC Driver

You may modify and redistribute the device driver code under the GNU General Public License (a copy of which is attached hereto as Exhibit A) published by the Free Software Foundation (version 2).

EXHIBIT A

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in
the term "modification". Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.
If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
Otherwise stated in writing the copyright holders and/or other parties provide the program "as is" without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The entire risk as to the quality and performance of the program is with you. Should the program prove defective, you assume the cost of all necessary servicing, repair or correction.

12. In no event unless required by applicable law or agreed to in writing will any copyright holder, or any other party who may modify and/or redistribute the program as permitted above, be liable to you for damages, including any general, special, incidental or consequential damages arising out of the use or inability to use the program (including but not limited to loss of data or data being rendered inaccurate or losses sustained by you or third parties or a failure of the program to operate with any other programs), even if such holder or other party has been advised of the possibility of such damages.

Valid-License-Identifier: BSD-3-Clause
SPDX-URL: https://spdx.org/licenses/BSD-3-Clause.html
Usage-Guide:
To use the BSD 3-clause "New" or "Revised" License put the following SPDX tag/value pair into a comment according to the placement guidelines in the licensing rules documentation:
   SPDX-License-Identifier: BSD-3-Clause
License-Text:

Copyright (c) <year> <owner> . All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

This software is provided by the copyright holders and contributors "as is" and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall the copyright holder or contributors be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

Valid-License-Identifier: X11
SPDX-URL: https://spdx.org/licenses/X11.html
Usage-Guide:
   To use the X11 put the following SPDX tag/value pair into a comment
   according to the placement guidelines in the licensing rules
documentation:
   SPDX-License-Identifier: X11
License-Text:

X11 License

Copyright (C) 1996 X Consortium

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER
IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not
be used in advertising or otherwise to promote the sale, use or other
dealings in this Software without prior written authorization from the X
Consortium.

X Window System is a trademark of X Consortium, Inc.
GNU LIBRARY GENERAL PUBLIC LICENSE
   Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
   675 Mass Ave, Cambridge, MA 02139, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.
This program includes a device driver for Linux 3.x. You may modify and redistribute the device driver code under the GNU General Public License (a copy of which is attached hereto as Exhibit A) published by the Free Software Foundation (version 2).

EXHIBIT A

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

**GNU GENERAL PUBLIC LICENSE**

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License.  (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.
/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
* 
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
* 
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* 
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
* ...
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* 
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
* 
* Copyright (c) 1996 University of Cambridge Computer Laboratory
* 
* This program is free software; you can redistribute it and/or modify
* it under the terms of the GNU General Public License as published by
* the Free Software Foundation; either version 2 of the License, or
* (at your option) any later version.
This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

M. Welsh, 6 July 1996

*/

Code in this directory written at the IDA Supercomputing Research Center
carries the following copyright and license.

Copyright 1993 United States Government as represented by the
Director, National Security Agency. This software may be used
and distributed according to the terms of the GNU General Public License,
incorporated herein by reference.

In addition to the disclaimers in the GPL, SRC expressly disclaims any
and all warranties, expressed or implied, concerning the enclosed software.
This software was developed at SRC for use in internal research, and the
intent in sharing this software is to promote the productive interchange
of ideas throughout the research community. All software is furnished
on an "as-is" basis. No further updates to this software should be
expected. Although updates may occur, no commitment exists.

"This software program is licensed subject to the GNU General Public License
<http:

GNU General Public License

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place - Suite 330, Boston, MA 02111-1307, USA

Everyone is permitted to copy and distribute verbatim copies of this license
document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to
share and change it. By contrast, the GNU General Public License is intended
to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the
terms of this General Public License. The "Program", below, refers to any
such program or work, and a "work based on the Program" means either the
Program or any derivative work under copyright law: that is to say, a
work containing the Program or a portion of it, either verbatim or with
modifications and/or translated into another language. (Hereinafter,
translation is included without limitation in the term "modification".)
Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of running
the Program is not restricted, and the output from the Program is covered
only if its contents constitute a work based on the Program (independent
of having been made by running the Program). Whether that is true depends
on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code
as you receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice and
disclaimer of warranty; keep intact all the notices that refer to this
License and to the absence of any warranty; and give any other recipients
of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you
may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it,
thus forming a work based on the Program, and copy and distribute such
modifications or work under the terms of Section 1 above, provided that
you also meet all of these conditions:

* a) You must cause the modified files to carry prominent notices stating
    that you changed the files and the date of any change.

* b) You must cause any work that you distribute or publish, that in
    whole or in part contains or is derived from the Program or any part
    thereof, to be licensed as a whole at no charge to all third parties
    under the terms of this License.

* c) If the modified program normally reads commands interactively when
    run, you must cause it, when started running for such interactive
    use in the most ordinary way, to print or display an announcement
    including an appropriate copyright notice and a notice that there is
    no warranty (or else, saying that you provide a warranty) and that
    users may redistribute the program under these conditions, and
telling the user how to view a copy of this License. (Exception: if
    the Program itself is interactive but does not normally print such
    an announcement, your work based on the Program is not required to
    print an announcement.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

* a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

* b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

* c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is
normally distributed (in either source or binary form) with the major
compONENTS (compiler, kernel, and so on) of the operating system on which
the executable runs, unless that component itself accompanies the
executable.

If distribution of executable or object code is made by offering access
to copy from a designated place, then offering equivalent access to copy
the source code from the same place counts as distribution of the source
code, even though third parties are not compelled to copy the source
along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as
expressly provided under this License. Any attempt otherwise to copy,
modify, sublicense or distribute the Program is void, and will
automatically terminate your rights under this License. However, parties
who have received copies, or rights, from you under this License will not
have their licenses terminated so long as such parties remain in full
compliance.

5. You are not required to accept this License, since you have not signed
it. However, nothing else grants you permission to modify or distribute
the Program or its derivative works. These actions are prohibited by law
if you do not accept this License. Therefore, by modifying or
distributing the Program (or any work based on the Program), you
indicate your acceptance of this License to do so, and all its terms and
conditions for copying, distributing or modifying the Program or works
based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further restrictions
on the recipients' exercise of the rights granted herein. You are not
responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot distribute
so as to satisfy simultaneously your obligations under this License and
any other pertinent obligations, then as a consequence you may not
distribute the Program at all. For example, if a patent license would
not permit royalty-free redistribution of the Program by all those who
receive copies directly or indirectly through you, then the only way you
could satisfy both it and this License would be to refrain entirely from
distribution of the Program.
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER
EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE
ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH
YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL
NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR
DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL
DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM
(INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED
INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF
THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR
OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it free
software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to
attach them to the start of each source file to most effectively convey the
exclusion of warranty; and each file should have at least the "copyright"
line and a pointer to where the full notice is found.

one line to give the program's name and an idea of what it does.
Copyright (C) yyyy  name of author

This program is free software; you can redistribute it and/or modify it
under the terms of the GNU General Public License as published by the Free
Software Foundation; either version 2 of the License, or (at your option)
any later version.

This program is distributed in the hope that it will be useful, but WITHOUT
ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or
FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for
more details.

You should have received a copy of the GNU General Public License along with
this program; if not, write to the Free Software Foundation, Inc., 59
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'. This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

Copyright (c) 2003-2006, Marvell International Ltd.
All Rights Reserved

This program is free software; you can redistribute it and/or modify it under the terms of version 2 of the GNU General Public License as published by the Free Software Foundation.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.
Copyright (c) 2003-2006 QLogic Corporation
QLogic Linux Networking HBA Driver

This program includes a device driver for Linux 2.6 that may be
distributed with QLogic hardware specific firmware binary file.
You may modify and redistribute the device driver code under the
GNU General Public License as published by the Free Software
Foundation (version 2 or a later version).

You may redistribute the hardware specific firmware binary file
under the following terms:

1. Redistribution of source code (only if applicable),
   must retain the above copyright notice, this list of
   conditions and the following disclaimer.

2. Redistribution in binary form must reproduce the above
   copyright notice, this list of conditions and the
   following disclaimer in the documentation and/or other
   materials provided with the distribution.

3. The name of QLogic Corporation may not be used to
   endorse or promote products derived from this software
   without specific prior written permission

REGARDLESS OF WHAT LICENSING MECHANISM IS USED OR APPLICABLE,
THIS PROGRAM IS PROVIDED BY QLOGIC CORPORATION "AS IS" AND ANY
EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR
BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED
TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

USER ACKNOWLEDGES AND AGREES THAT USE OF THIS PROGRAM WILL NOT
CREATE OR GIVE GROUNDS FOR A LICENSE BY IMPLICATION, ESTOPPEL, OR
OTHERWISE IN ANY INTELLECTUAL PROPERTY RIGHTS (PATENT, COPYRIGHT,
TRADE SECRET, MASK WORK, OR OTHER PROPRIETARY RIGHT) EMBODIED IN
ANY OTHER QLOGIC HARDWARE OR SOFTWARE EITHER SOLELY OR IN
COMBINATION WITH THIS PROGRAM.
The Linux Kernel is provided under:

SPDX-License-Identifier: GPL-2.0 WITH Linux-syscall-note
Being under the terms of the GNU General Public License version 2 only, according with:

LICENSES/preferred/GPL-2.0

With an explicit syscall exception, as stated at:

LICENSES/exceptions/Linux-syscall-note

In addition, other licenses may also apply. Please see:

Documentation/process/license-rules.rst

for more details.
The files in this directory and elsewhere which refer to this LICENCE file are part of JFFS2, the Journalling Flash File System v2.

Copyright 2001-2007 Red Hat, Inc. and others

JFFS2 is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 or (at your option) any later version.

JFFS2 is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with JFFS2; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA.

As a special exception, if other files instantiate templates or use macros or inline functions from these files, or you compile these files and link them with other works to produce a work based on these files, these files do not by themselves cause the resulting work to be covered by the GNU General Public License. However the source code for these files must still be made available in accordance with section (3) of the GNU General Public License.

This exception does not invalidate any other reasons why a work based on this file might be covered by the GNU General Public License.

Valid-License-Identifier: MIT
SPDX-URL: https://spdx.org/licenses/MIT.html
Usage-Guide:
To use the MIT License put the following SPDX tag/value pair into a
MIT License

Copyright (c) <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Valid-License-Identifier: BSD-2-Clause
SPDX-URL: https://spdx.org/licenses/BSD-2-Clause.html
Usage-Guide:
To use the BSD 2-clause "Simplified" License put the following SPDX tag/value pair into a comment according to the placement guidelines in the licensing rules documentation:

SPDX-License-Identifier: BSD-2-Clause
License-Text:

Copyright (c) <year> <owner> . All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

SPDX-Exception-Identifier: Linux-syscall-note
SPDX-URL: https://spdx.org/licenses/Linux-syscall-note.html
SPDX-Licenses: GPL-2.0, GPL-2.0+, GPL-1.0+, LGPL-2.0, LGPL-2.0+, LGPL-2.1, LGPL-2.1+, GPL-2.0-only, GPL-2.0-or-later
Usage-Guide:
This exception is used together with one of the above SPDX-Licenses to mark user space API (uapi) header files so they can be included into non GPL compliant user space application code.
To use this exception add it with the keyword WITH to one of the identifiers in the SPDX-Licenses tag:
SPDX-License-Identifier: <SPDX-License> WITH Linux-syscall-note
License-Text:

NOTE! This copyright does *not* cover user programs that use kernel services by normal system calls - this is merely considered normal use of the kernel, and does *not* fall under the heading of "derived work". Also note that the GPL below is copyrighted by the Free Software Foundation, but the instance of code that it refers to (the Linux kernel) is copyrighted by me and others who actually wrote it.

Also note that the only valid version of the GPL as far as the kernel is concerned is _this_ particular version of the license (ie v2, not v2.2 or v3.x or whatever), unless explicitly otherwise stated.

Linus Torvalds
Valid-License-Identifier: BSD-3-Clause-Clear
SPDX-URL: https://spdx.org/licenses/BSD-3-Clause-Clear.html
Usage-Guide:
To use the BSD 3-clause "Clear" License put the following SPDX tag/value pair into a comment according to the placement guidelines in the licensing rules documentation:
SPDX-License-Identifier: BSD-3-Clause-Clear
License-Text:

The Clear BSD License

Copyright (c) [xxxx]-[xxxx] [Owner Organization]
All rights reserved.
Redistribution and use in source and binary forms, with or without
modification, are permitted (subject to the limitations in the disclaimer
below) provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice,
  this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

* Neither the name of [Owner Organization] nor the names of its
  contributors may be used to endorse or promote products derived from
  this software without specific prior written permission.

NO EXPRESS OR IMPLIED LICENSES TO ANY PARTY'S PATENT RIGHTS ARE GRANTED BY
THIS LICENSE. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT
NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTicular PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER
OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS;
OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR
OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF
ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2003-2014 QLogic Corporation
QLogic Linux FC-FCoE Driver

This program includes a device driver for Linux 3.x.
You may modify and redistribute the device driver code under the
GNU General Public License (a copy of which is attached hereto as
Exhibit A) published by the Free Software Foundation (version 2).

EXHIBIT A

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not
If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Copyright (c) 2003-2011 QLogic Corporation
QLogic Linux qlge NIC Driver

You may modify and redistribute the device driver code under the GNU General Public License (a copy of which is attached hereto as Exhibit A) published by the Free Software Foundation (version 2).

EXHIBIT A

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a
notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Valid-License-Identifier: Linux-OpenIB
SPDX-URL: https://spdx.org/licenses/Linux-OpenIB.html
Usage-Guide:
To use the Linux Kernel Variant of OpenIB.org license put the following SPDX tag/value pair into a comment according to the placement guidelines in the licensing rules documentation:
  SPDX-License-Identifier: Linux-OpenIB
License-Text:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.365 perl-file-listing 6.04-17.el8

1.365.1 Available under license:
No license file was found, but licenses were detected in source scan.

license: perl

Found in path(s):
* /opt/cola/permits/1137994317_1614192713.0/0/perl-File-Listing-6.04-17.el8-1.src.rpm-cosi-expand-archive-SY3TIPu5/File-Listing-6.04.tar.gz-cosi-expand-archive-00XcKBpI/File-Listing-6.04/META.yml

NAME
File::Listing - parse directory listing

SYNOPSIS
use File::Listing qw(parse_dir);
$ENV{LANG} = "C"; # dates in non-English locales not supported
for (parse_dir(`ls -l`)) {
    ($name, $type, $size, $mtime, $mode) = @$_;
    next if $type ne 'f'; # plain file
    #...
}

# directory listing can also be read from a file
open(LISTING, "zcat ls-lR.gz");
$dir = parse_dir("LISTING", '+0000');

DESCRIPTION
This module exports a single function called parse_dir(), which can be used to parse directory listings.

The first parameter to parse_dir() is the directory listing to parse. It can be a scalar, a reference to an array of directory lines or a glob representing a filehandle to read the directory listing from.

The second parameter is the time zone to use when parsing time stamps in the listing. If this value is undefined, then the local time zone is
The third parameter is the type of listing to assume. Currently supported formats are 'unix', 'apache' and 'dosftp'. The default value is 'unix'. Ideally, the listing type should be determined automatically.

The fourth parameter specifies how unparseable lines should be treated. Values can be 'ignore', 'warn' or a code reference. Warn means that the perl warn() function will be called. If a code reference is passed, then this routine will be called and the return value from it will be incorporated in the listing. The default is 'ignore'.

Only the first parameter is mandatory.

The return value from parse_dir() is a list of directory entries. In a scalar context the return value is a reference to the list. The directory entries are represented by an array consisting of [ $filename, $filetype, $filesize, $filetime, $filemode ]. The $filetype value is one of the letters 'f', 'd', 'l' or '?'. The $filetime value is the seconds since Jan 1, 1970. The $filemode is a bitmask like the mode returned by stat().

COPYRIGHT
Copyright 1996-2010, Gisle Aas

Based on lsparse.pl (from Lee McLoughlin's ftp mirror package) and Net::FTP's parse_dir (Graham Barr).

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
No license file was found, but licenses were detected in source scan.

=head1 NAME
File::Listing - parse directory listing

=head1 SYNOPSIS
use File::Listing qw(parse_dir);
$ENV{LANG} = "C";  # dates in non-English locales not supported
for (parse_dir(`ls -l`)) {
    ($name, $type, $size, $mtime, $mode) = @$_;
    next if $type ne 'f'; # plain file
    #...
This module exports a single function called `parse_dir()`, which can be used to parse directory listings.

The first parameter to `parse_dir()` is the directory listing to parse. It can be a scalar, a reference to an array of directory lines or a glob representing a filehandle to read the directory listing from.

The second parameter is the time zone to use when parsing time stamps in the listing. If this value is undefined, then the local time zone is assumed.

The third parameter is the type of listing to assume. Currently supported formats are 'unix', 'apache' and 'dosftp'. The default value is 'unix'. Ideally, the listing type should be determined automatically.

The fourth parameter specifies how unparsable lines should be treated. Values can be 'ignore', 'warn' or a code reference. Warn means that the perl `warn()` function will be called. If a code reference is passed, then this routine will be called and the return value from it will be incorporated in the listing. The default is 'ignore'.

Only the first parameter is mandatory.

The return value from `parse_dir()` is a list of directory entries. In a scalar context the return value is a reference to the list. The directory entries are represented by an array consisting of [ $filename, $filetype, $filesize, $filetime, $filemode ]. The $filetype value is one of the letters 'f', 'd', 'l' or '?'. The $filetime value is the seconds since Jan 1, 1970. The $filemode is a bitmask like the mode returned by `stat()`.

---

Copyright 1996-2010, Gisle Aas

Based on `lsparse.pl` (from Lee McLoughlin's ftp mirror package) and `Net::FTP`'s `parse_dir` (Graham Barr).

This library is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

Found in path(s):
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/cola/permits/1137994317_1614192713.0/0/perl-File-Listing-6.04-17.el8-1.src.rpm-cosi-expand-archive-SYZTlPu5/perl-File-Listing.spec

1.366 which 2.21 10.el8
1.366.1 Available under license :
GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.
"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This
License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent
that they are valid under applicable law. If additional permissions
apply only to part of the Program, that part may be used separately
under those permissions, but the entire Program remains governed by
this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part of
it. (Additional permissions may be written to require their own
removal in certain cases when you modify the work.) You may place
additional permissions on material, added by you to a covered work,
for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you
add to a covered work, you may (if authorized by the copyright holders of
that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the
terms of sections 15 and 16 of this License; or
b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your
license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the
rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.
If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is “discriminatory” if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License,
section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

1.367 cglib 3.2.4

1.367.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

1.368 axiom-api 1.2.20
1.368.1 Available under license :

Apache Axiom

Copyright 2004-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[[]]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.369 commons-pool 2.4.2

1.369.1 Available under license:

Apache Commons Pool
Copyright 2001-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

APACHE COMMONS POOL DERIVATIVE WORKS:

The LinkedBlockingDeque implementation is based on an implementation written by Doug Lea with assistance from members of JCP JSR-166 Expert Group and released to the public domain, as explained at http://creativecommons.org/licenses/publicdomain

1.370 activemq-broker 5.16.1

1.370.1 Available under license:

ActiveMQ :: Broker
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.
"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
    Derivative Works a copy of this License; and
(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing. Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.371 python 3.6.8 31.el8
1.371.1 Available under license:

Copyright (c) 2002 Jorge Acereda <jacereda@users.sourceforge.net> &
Peter O'Gorman <ogorman@users.sourceforge.net>

Portions may be copyright others, see the AUTHORS file included with this
distribution.

Maintained by Peter O'Gorman <ogorman@users.sourceforge.net>

Bug Reports and other queries should go to <ogorman@users.sourceforge.net>

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Additional Conditions for this Windows binary build

-----------------------------------------------
This program is linked with and uses Microsoft Distributable Code, copyrighted by Microsoft Corporation. The Microsoft Distributable Code is embedded in each .exe, .dll and .pyd file as a result of running the code through a linker.

If you further distribute programs that include the Microsoft Distributable Code, you must comply with the restrictions on distribution specified by Microsoft. In particular, you must require distributors and external end users to agree to terms that protect the Microsoft Distributable Code at least as much as Microsoft's own requirements for the Distributable Code. See Microsoft's documentation (included in its developer tools and on its website at microsoft.com) for specific details.

Redistribution of the Windows binary build of the Python interpreter complies with this agreement, provided that you do not:

- alter any copyright, trademark or patent notice in Microsoft's Distributable Code;
- use Microsoft's trademarks in your programs' names or in a way that suggests your programs come from or are endorsed by Microsoft;
- distribute Microsoft's Distributable Code to run on a platform other than Microsoft operating systems, run-time technologies or application platforms; or
- include Microsoft Distributable Code in malicious, deceptive or unlawful programs.

These restrictions apply only to the Microsoft Distributable Code as defined above, not to Python itself or any programs running on the Python interpreter. The redistribution of the Python interpreter and libraries is governed by the Python Software License included with this file, or by other licenses as marked.

libffi - Copyright (c) 1996-2014 Anthony Green, Red Hat, Inc and others. See source files for details.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be
THE SOFTWARE IS PROVIDED `AS IS`, WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

X Window System License - X11R6.4

Copyright (c) 1998 The Open Group

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of The Open Group shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from The Open Group.

X Window System is a trademark of The Open Group

libffi - Copyright (c) 1996-2003 Red Hat, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL CYGNUS SOLUTIONS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

<table>
<thead>
<tr>
<th>Release</th>
<th>Derived</th>
<th>Year</th>
<th>Owner</th>
<th>GPL-compatible?</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.9.0 thru 1.2</td>
<td>1.2</td>
<td>1991-1995</td>
<td>CWI</td>
<td>yes</td>
</tr>
<tr>
<td>1.3 thru 1.5.2</td>
<td>1.2</td>
<td>1995-1999</td>
<td>CNRI</td>
<td>yes</td>
</tr>
<tr>
<td>1.6</td>
<td>1.5.2</td>
<td>2000</td>
<td>CNRI</td>
<td>no</td>
</tr>
<tr>
<td>2.0</td>
<td>1.6</td>
<td>2000</td>
<td>BeOpen.com</td>
<td>no</td>
</tr>
<tr>
<td>1.6.1</td>
<td>1.6</td>
<td>2001</td>
<td>CNRI</td>
<td>yes (2)</td>
</tr>
<tr>
<td>2.1</td>
<td>2.0+1.6.1</td>
<td>2001</td>
<td>PSF</td>
<td>no</td>
</tr>
<tr>
<td>2.0.1</td>
<td>2.0+1.6.1</td>
<td>2001</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.1.1</td>
<td>2.1+2.0.1</td>
<td>2001</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.1.2</td>
<td>2.1.1</td>
<td>2002</td>
<td>PSF</td>
<td>yes</td>
</tr>
</tbody>
</table>
Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.


3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS"
basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0
-------------------------------------------
BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS
FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at http://www.pythonlabs.com/logos.html may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with
Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: http://hdl.handle.net/1895.22/1013”.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT
CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2

-----------------------------------------------

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright (c) 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper
Copyright (c) 2001-2017 Expat maintainers

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

pybench License

-----------------
This copyright notice and license applies to all files in the pybench directory of the pybench distribution.

Copyright (c), 1997-2006, Marc-Andre Lemburg (mal@lemburg.com)
Copyright (c), 2000-2006, eGenix.com Software GmbH (info@egenix.com)

All Rights Reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee or royalty is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation or portions thereof, including modifications, that you make.

THE AUTHOR MARC-ANDRE LEMBURG DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE!

This license applies to the bootstrapper application that is embedded within the installer. It has no impact on the licensing for the rest of the installer or Python itself, as no code covered by this license exists in any other part of the product.

---

Microsoft Reciprocal License (MS-RL)

This license governs use of the accompanying software. If you use the software, you accept this license. If you do not accept the license, do not use the software.

1. Definitions
The terms "reproduce," "reproduction," "derivative works," and "distribution" have the same meaning here as under U.S. copyright law.
A "contribution" is the original software, or any additions or changes to the software.
A "contributor" is any person that distributes its contribution under this license.
"Licensed patents" are a contributor's patent claims that read directly on its contribution.

2. Grant of Rights
(A) Copyright Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free copyright license to reproduce its contribution, prepare derivative works of its contribution, and distribute its contribution or any derivative works that you create.
(B) Patent Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free license under its licensed patents to make, have made, use, sell, offer for sale, import, and/or otherwise dispose of its contribution in the software or derivative works
of the contribution in the software.

3. Conditions and Limitations
(A) Reciprocal Grants- For any file you distribute that contains code from the software (in source code or binary format), you must provide recipients the source code to that file along with a copy of this license, which license will govern that file. You may license other files that are entirely your own work and do not contain code from the software under any terms you choose.
(B) No Trademark License- This license does not grant you rights to use any contributors' name, logo, or trademarks.
(C) If you bring a patent claim against any contributor over patents that you claim are infringed by the software, your patent license from such contributor to the software ends automatically.
(D) If you distribute any portion of the software, you must retain all copyright, patent, trademark, and attribution notices that are present in the software.
(E) If you distribute any portion of the software in source code form, you may do so only under this license by including a complete copy of this license with your distribution. If you distribute any portion of the software in compiled or object code form, you may only do so under a license that complies with this license.
(F) The software is licensed "as-is." You bear the risk of using it. The contributors give no express warranties, guarantees or conditions. You may have additional consumer rights under your local laws which this license cannot change. To the extent permitted under your local laws, the contributors exclude the implied warranties of merchantability, fitness for a particular purpose and non-infringement.

1.372 xbean-spring 4.18
1.372.1 Available under license :

Apache XBean :: Spring
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or
You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.373.1 Available under license:

Apache Geronimo
Copyright 2003-2008 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License. You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of Your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.374 openssl-pkcs11 0.4.10 2.el8

1.374.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.
When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion thereof, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those
countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and
"any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!

1.375 mime-pull 1.9.6
1.375.1 Available under license:

Found license 'General Public License 2.0' in 
* Copyright (c) 1997-2014 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License.

Found license 'General Public License 2.0' in 
* Copyright (c) 1997-2013 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License.

Found license 'General Public License 2.0' in 
* Copyright (c) 2013 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License.

Found license 'General Public License 2.0' in 
* Copyright (c) 1997-2012 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License.

Found license 'General Public License 2.0' in 
* Copyright (c) 1997-2015 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License.

1.376 httpcomponents-httpcore 4.2
1.376.1 Available under license:

Apache HttpCore
Copyright 2005-2019 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and
attrition notices from the Source form of the Work,
excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTicular purpose. You are solely responsible for determining the

appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.377 nettle 3.4.1 1.el8
1.377.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program ‘Gnomovision’ (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.
The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of
the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this
License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to

Open Source Used In CSPC_Collector 2.9.1  3558
share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to
avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a
covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.
5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by
When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

   a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

   b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

   c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

   d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

   e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

   f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the
additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.
Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a
party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <https://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box."

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <https://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <https://www.gnu.org/philosophy/why-not-lgpl.html>.

1.378 fuse 3.2.1-12.el8

1.378.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be
Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user’s freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the
users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY 
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER 
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE 
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest 
possible use to the public, the best way to achieve this is to make it 
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest 
to attach them to the start of each source file to most effectively 
convey the exclusion of warranty; and each file should have at least 
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.> 
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify 
it under the terms of the GNU General Public License as published by 
the Free Software Foundation; either version 2 of the License, or 
(at your option) any later version.

This program is distributed in the hope that it will be useful, 
but WITHOUT ANY WARRANTY; without even the implied warranty of 
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the 
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along 
with this program; if not, write to the Free Software Foundation, Inc., 
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this 
when it starts in an interactive mode:

  Gnomovision version 69, Copyright (C) year name of author
  Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
  This is free software, and you are welcome to redistribute it
  under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate 
parts of the General Public License. Of course, the commands you use may 
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.379 lua 5.3.4 11.el8
1.379.1 Available under license :

No license file was found, but licenses were detected in source scan.

---[0
**************************************************************************
* Copyright (C) 1994-2016 Lua.org, PUC-Rio.
*
* Permission is hereby granted, free of charge, to any person obtaining
* a copy of this software and associated documentation files (the
* "Software"), to deal in the Software without restriction, including
* without limitation the rights to use, copy, modify, merge, publish,
* distribute, sublicense, and/or sell copies of the Software, and to
* permit persons to whom the Software is furnished to do so, subject to
* the following conditions:
*
* The above copyright notice and this permission notice shall be
* included in all copies or substantial portions of the Software.
*
* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
* EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
* MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
* IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
* CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
* TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
* SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
**************************************************************************
]]
Copyright (c) 1994-2013 Lua.org, PUC-Rio.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Freely available under the terms of the
Lua is free software.

License: MIT
general-purpose, stand-alone language. Lua is free software.
No license file was found, but licenses were detected in source scan.

/* Copyright (C) 1994-2017 Lua.org, PUC-Rio. 

* Permission is hereby granted, free of charge, to any person obtaining 
* a copy of this software and associated documentation files (the 
* "Software"), to deal in the Software without restriction, including 
* without limitation the rights to use, copy, modify, merge, publish, 
* distribute, sublicense, and/or sell copies of the Software, and to 
* permit persons to whom the Software is furnished to do so, subject to 
* the following conditions: 
* 
* The above copyright notice and this permission notice shall be 
* included in all copies or substantial portions of the Software. 
* 
* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, 
* EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF 
* MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. 
* IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY 
* CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, 
* TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE 
* SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. */

Lua is free software distributed under the terms of the
<a href="http://www.opensource.org/licenses/mit-license.html">MIT license</a>
Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

---

Open Source Used In CSPC_Collector 2.9.1 3592
1.380 jackson-xc 2.8.10

1.380.1 Available under license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and
You must cause any modified files to carry prominent notices stating that You changed the files; and
You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product
names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and
reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work
(and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR
CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or
conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR
PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and
assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or
otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing,
shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or
consequential damages of any character arising as a result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or
any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of
such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may
choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or
rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf
and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend,
and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by
reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: HOW TO APPLY THE APACHE LICENSE TO YOUR WORK
To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by
brackets "[" replaced with your own identifying information. (Don't include the brackets!) The text should be
enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and
description of purpose be included on the same "printed page" as the copyright notice for easier identification within
third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
1.381 bind 9.11.20 5.el8

1.381.1 Available under license:
Mozilla Public License, version 2.0

1. Definitions

1.1. "Contributor"

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version"

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"

means Covered Software of a particular Contributor.

1.4. "Covered Software"

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. "Incompatible With Secondary Licenses"

means

a. that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or

b. that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in a
separate file or files, that is not Covered Software.

1.8. "License"

means this document.

1.9. "Licensable"

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. "Modifications"

means any of the following:

a. any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

b. any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"

means the form of the work preferred for making modifications.

1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.
2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

a. under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

b. under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

a. for any code that a Contributor has removed from Covered Software; or

b. for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

c. under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses
No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

a. such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

b. You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the
license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.
5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

6. Disclaimer of Warranty

Covered Software is provided under this License on an "as is" basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.

7. Limitation of Liability

Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any
character including, without limitation, damages for lost profits, loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to
create a new license for such software, you may create and use a
modified version of this License if you rename the license and remove
any references to the name of the license steward (except to note that
such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary
Licenses If You choose to distribute Source Code Form that is
Incompatible With Secondary Licenses under the terms of this version of
the License, the notice described in Exhibit B of this License must be
attached.

Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the
terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not
distributed with this file, You can obtain one at
http://mozilla.org/MPL/2.0/.

If it is not possible or desirable to put the notice in a particular file,
then You may include the notice in a location (such as a LICENSE file in a
relevant directory) where a recipient would be likely to look for such a
notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice

This Source Code Form is "Incompatible
With Secondary Licenses", as defined by
the Mozilla Public License, v. 2.0.

<!!--
- Copyright (C) Internet Systems Consortium, Inc. ("ISC")
- This Source Code Form is subject to the terms of the Mozilla Public
- License, v. 2.0. If a copy of the MPL was not distributed with this
- file, You can obtain one at http://mozilla.org/MPL/2.0/.
- See the COPYRIGHT file distributed with this work for additional
- information regarding copyright ownership.
-->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.
Copyright (C) 1995-2000 by Network Associates, Inc.

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ISC AND NETWORK ASSOCIATES DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----------------------------------------------------------------------------

Copyright (C) 2002 Stichting NLnet, Netherlands, stichting@nlnet.nl.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND STICHTING NLNET DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL STICHTING NLNET BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The development of Dynamically Loadable Zones (DLZ) for Bind 9 was conceived and contributed by Rob Butler.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ROB BUTLER DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ROB BUTLER BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE
USE OR PERFORMANCE OF THIS SOFTWARE.

-----------------------------------------------------------------------------

Copyright (c) 1987, 1990, 1993, 1994
The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors
   may be used to endorse or promote products derived from this software
   without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

-----------------------------------------------------------------------------

Copyright (C) The Internet Society 2005. This version of
this module is part of RFC 4178; see the RFC itself for
full legal notices.

(The above copyright notice is per RFC 3978 5.6 (a), q.v.)

-----------------------------------------------------------------------------

Copyright (c) 2004 Masarykova universita
(Masaryk University, Brno, Czech Republic)
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-------------------------------------------------------------------

Copyright (c) 1997 - 2003 Kungliga Tekniska Hgskolan
(Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the Institute nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS `AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

----------------------------------------------------------------------------------

Copyright (c) 1998 Doug Rabson
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

----------------------------------------------------------------------------------

Copyright ((c)) 2002, Rice University
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above
  copyright notice, this list of conditions and the following

disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Rice University (RICE) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

This software is provided by RICE and the contributors on an "as is" basis, without any representations or warranties of any kind, express or implied including, but not limited to, representations or warranties of non-infringement, merchantability or fitness for a particular purpose. In no event shall RICE or contributors be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this software, even if advised of the possibility of such damage.

------------------------------------------------------------------------------

Copyright (c) 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

------------------------------------------------------------------------------

Copyright 2000 Aaron D. Gifford. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Open Source Used In CSPC_Collector 2.9.1 3610
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR(S) AND CONTRIBUTOR(S) "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR(S) OR CONTRIBUTOR(S) BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 1998 Doug Rabson.
Copyright (c) 2001 Jake Burkholder.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors
   may be used to endorse or promote products derived from this software
   without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

Copyright (c) 1999-2000 by Nortel Networks Corporation

Permission to use, copy, modify, and distribute this software for any
purpose with or without fee is hereby granted, provided that the above
copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND NORTEL NETWORKS DISCLAIMS
ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL NORTEL NETWORKS
BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES
OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS,
WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION,
ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS
SOFTWARE.
Open Source Used In CSPC_Collector 2.9.1 3613

Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved.

By using this file, you agree to the terms and conditions set forth below.

LICENSE TERMS AND CONDITIONS

The following License Terms and Conditions apply, unless a different license is obtained from Japan Network Information Center ("JPNIC"), a Japanese association, Kokusai-Kougyou-Kanda Bldg 6F, 2-3-4 Uchi-Kanda, Chiyoda-ku, Tokyo 101-0047, Japan.

1. Use, Modification and Redistribution (including distribution of any modified or derived work) in source and/or binary forms is permitted under this License Terms and Conditions.

2. Redistribution of source code must retain the copyright notices as they appear in each source code file, this License Terms and Conditions.

3. Redistribution in binary form must reproduce the Copyright Notice, this License Terms and Conditions, in the documentation and/or other materials provided with the distribution. For the purposes of binary distribution the "Copyright Notice" refers to the following language: "Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved."

4. The name of JPNIC may not be used to endorse or promote products derived from this Software without specific prior written approval of JPNIC.

5. Disclaimer/Limitation of Liability: THIS SOFTWARE IS PROVIDED BY JPNIC "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JPNIC BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

--------------------------------------------------------------------------------------------------------------------------

Copyright (C) 2004 Nominet, Ltd.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.
THE SOFTWARE IS PROVIDED "AS IS" AND NOMINET DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------------------------------------------------

Portions Copyright RSA Security Inc.

License to copy and use this software is granted provided that it is identified as "RSA Security Inc. PKCS #11 Cryptographic Token Interface (Cryptoki)" in all material mentioning or referencing this software.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Security Inc. PKCS #11 Cryptographic Token Interface (Cryptoki)" in all material mentioning or referencing the derived work.

RSA Security Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

----------------------------------------------------------------------------------

Copyright (c) 1996, David Mazieres <dm@uun.org>
Copyright (c) 2008, Damien Miller <djm@openbsd.org>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------------------------------------------------

Copyright (c) 2000-2001 The OpenSSL Project. All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgment:
   "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.OpenSSL.org/)"

4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact licensing@OpenSSL.org.

5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following acknowledgment:
   "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.OpenSSL.org/)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

------------------------------------------------------------------------

Copyright (c) 1995, 1997, 1998 The NetBSD Foundation, Inc.
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

----------------------------------------------------------------------------------

Copyright (C) 2008-2011 Red Hat, Inc.

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND Red Hat DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL Red Hat BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------------------------------------------------

Copyright (c) 2013-2014, Farsight Security, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----------------------------------------------------------------------------

Copyright (c) 2014 by Farsight Security, Inc.

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved.

By using this file, you agree to the terms and conditions set forth bellow.

LICENSE TERMS AND CONDITIONS

The following License Terms and Conditions apply, unless a different license is obtained from Japan Network Information Center ("JPNIC"), a Japanese association, Kokusai-Kougyou-Kanda Bldg 6F, 2-3-4 Uchi-Kanda, Chiyoda-ku, Tokyo 101-0047, Japan.
1. Use, Modification and Redistribution (including distribution of any modified or derived work) in source and/or binary forms is permitted under this License Terms and Conditions.

2. Redistribution of source code must retain the copyright notices as they appear in each source code file, this License Terms and Conditions.

3. Redistribution in binary form must reproduce the Copyright Notice, this License Terms and Conditions, in the documentation and/or other materials provided with the distribution. For the purposes of binary distribution the "Copyright Notice" refers to the following language: "Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved."

4. The name of JPNIC may not be used to endorse or promote products derived from this Software without specific prior written approval of JPNIC.

5. Disclaimer/Limitation of Liability: THIS SOFTWARE IS PROVIDED BY JPNIC "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JPNIC BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

1.382 spring-aop 4.3.30.RELEASE
1.382.1 Available under license :
No license file was found, but licenses were detected in source scan.

/ *
* Copyright 2002-2016 the original author or authors.
* *
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* *
* https://www.apache.org/licenses/LICENSE-2.0
* *
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/config/AbstractInterceptorDrivenBeanDefinitionDecorator.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/aopalliance/intercept/ConstructorInterceptor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/autoproxy/DefaultAdvisorAutoProxyCreator.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/aopalliance/intercept/Joinpoint.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectJAdvisorsBuilder.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/annotation/SingletonMetadataAwareAspectInstanceFactory.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/aopalliance/intercept/ConstructorInvocation.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/annotation/AspectExpressionPointcut.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/annotation/AnnotationAwareAspectJAutoProxyCreator.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/aopalliance/intercept/Interceptor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/annotation/SimpleMetadataAwareAspectInstanceFactory.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/aopalliance/intercept/MethodInvocation.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/support/AbstractBeanFactoryPointcutAdvisor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/target/dynamic/AbstractRefreshableTargetSource.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/aopalliance/aop/AspectException.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/support/AopUtils.java

Open Source Used In CSPC_Collector 2.9.1 3619
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/AspectJAfterReturningAdvice.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/aopalliance/intercept/Invocation.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectInstanceFactory.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/JdkDynamicAopProxy.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/AspectJExpressionPointcutAdvisor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/annotation/MetadataAwareAspectInstanceFactory.java

No license file was found, but licenses were detected in source scan.

/*
   * Copyright 2002-2007 the original author or authors.
   *
   * Licensed under the Apache License, Version 2.0 (the "License");
   * you may not use this file except in compliance with the License.
   * You may obtain a copy of the License at
   *
   *      https://www.apache.org/licenses/LICENSE-2.0
   *
   * Unless required by applicable law or agreed to in writing, software
   * distributed under the License is distributed on an "AS IS" BASIS,
   * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
   * See the License for the specific language governing permissions and
   * limitations under the License.
   */

Found in path(s):
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/ClassFilter.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/BeforeAdvice.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/InterceptorAndDynamicMethodMatcher.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/config/AspectComponentDefinition.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/RawTargetAccess.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/SpringProxy.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/AopInfrastructureBean.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/IntroductionInterceptor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
*/
/* Copyright 2002-2020 the original author or authors.
*
/* Licensed under the Apache License, Version 2.0 (the "License");
/* you may not use this file except in compliance with the License.
/* You may obtain a copy of the License at
/*
/* https://www.apache.org/licenses/LICENSE-2.0
/*
/* Unless required by applicable law or agreed to in writing, software
/* distributed under the License is distributed on an "AS IS" BASIS,
/* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
/*
*/

No license file was found, but licenses were detected in source scan.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1120268612_1609904342_2_0/spring-aop-4_3_30-release-sources-
jar/org/springframework/aop/config/AdviceEntry.java
* /opt/cola/permits/1120268612_1609904342_2_0/spring-aop-4_3_30-release-sources-
jar/org/springframework/aop/aspectj/annotation/ReflectiveAspectJAdvisorFactory.java
* /opt/cola/permits/1120268612_1609904342_2_0/spring-aop-4_3_30-release-sources-
jar/org/springframework/aop/aspectj/MethodInvocationProceedingJoinPoint.java
* /opt/cola/permits/1120268612_1609904342_2_0/spring-aop-4_3_30-release-sources-
jar/org/springframework/aop/config/AdvisorEntry.java
* /opt/cola/permits/1120268612_1609904342_2_0/spring-aop-4_3_30-release-sources-
jar/org/springframework/aop/aspectj/autoproxy/AspectJPrecedenceComparator.java
* /opt/cola/permits/1120268612_1609904342_2_0/spring-aop-4_3_30-release-sources-
jar/org/springframework/aop/aspectj/AspectJPrecedenceInformation.java

No license file was found, but licenses were detected in source scan.

/ *
* Copyright 2002-2006 the original author or authors.
* *
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* *
* https://www.apache.org/licenses/LICENSE-2.0
* *
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1120268612_1609904342_2_0/spring-aop-4_3_30-release-sources-
jar/org/springframework/aop/support/ExpressionPointcut.java
* /opt/cola/permits/1120268612_1609904342_2_0/spring-aop-4_3_30-release-sources-
jar/org/springframework/aop/aspectj/InstantiationModelAwarePointcutAdvisor.java
* /opt/cola/permits/1120268612_1609904342_2_0/spring-aop-4_3_30-release-sources-
jar/org/springframework/aop/aspectj/AspectJPrecedenceInformation.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2017 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/interceptor/JamonPerformanceMonitorInterceptor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/interceptor/PerformanceMonitorInterceptor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/scope/ScopedProxyUtils.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/interceptor/AbstractMonitoringInterceptor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/interceptor/AbstractTraceInterceptor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/config/SimpleBeanFactoryAwareAspectInstanceFactory.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/AopProxyUtils.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/AopProxyUtils.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/support/ControlFlowPointcut.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/AspectJAdviceParameterNameDiscoverer.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/AsyncExecutionAspectSupport.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2008 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *   https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/ThrowsAdvice.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2019 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *   https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/autoproxy/AbstractAutoProxyCreator.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/ReflectiveMethodInvocation.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/autoproxy/AbstractAdvisorAutoProxyCreator.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/support/ComposablePointcut.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/ObjenesisCglibAopProxy.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/annotation/AnnotationMatchingPointcut.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/CglibAopProxy.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/Pointcuts.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2013 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *     https://www.apache.org/licenses/LICENSE-2.0
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/autoproxy/AspectJAwareAdvisorAutoProxyCreator.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/AspectJWeaverMessageHandler.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/support/ClassFilters.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/RuntimeTestWalker.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/IntroductionAwareMethodMatcher.java

No license file was found, but licenses were detected in source scan.

/\*/
* Copyright 2002-2017 the original author or authors.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/TargetSource.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2014 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/autoproxy/BeanNameAutoProxyCreator.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/AdvisorChainFactory.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/target/PrototypeTargetSource.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/support/RegexpMethodPointcutAdvisor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/interceptor/AsyncUncaughtExceptionHandler.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/target/ThreadLocalTargetSource.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/framework/autoproxy/target/LazyInitTargetSourceCreator.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/interceptor/ExposeInvocationInterceptor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/support/NameMatchMethodPointcutAdvisor.java

No license file was found, but licenses were detected in source scan.

;/*
* Copyright 2002-2012 the original author or authors.
* *
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* *
* https://www.apache.org/licenses/LICENSE-2.0
 *
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/AfterReturningAdvice.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/support/AbstractGenericPointcutAdvisor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/aspectj/AspectInstanceFactory.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/framework/AopConfigException.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/Advisor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/interceptor/ExposeBeanNameAdvisors.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/support/AbstractExpressionPointcut.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/interceptor/ConcurrencyThrottleInterceptor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/aspectj/annotation/NotAnAtAspectException.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-
jar/org/springframework/aop/DynamicIntroductionAdvice.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/interceptor/DebugInterceptor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/autoproxy/ProxyCreationContext.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/support/DynamicMethodMatcherPointcut.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/target/dynamic/Refreshable.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistrationManager.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/adapter/UnknownAdviceTypeException.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/adapter/AbstractPointcutAdvisor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/adapter/AfterReturningAdviceAdapter.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/adapter/MethodBeforeAdviceAdapter.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/AspectJAopUtils.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/AspectJProxyUtils.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/support/DefaultBeanFactoryPointcutAdvisor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/support/BeanFactoryRefreshableTargetSource.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/adapter/GlobalAdvisorAdapterRegistry.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/AopInvocationException.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/DefaultPointcutAdvisor.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/AspectJAfterThrowingAdvice.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/TargetClassAware.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/target/CommonsPoolTargetSource.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/SingletonAspectInstanceFactory.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/annotation/PrototypeAspectInstanceFactory.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/DefaultAopProxyFactory.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/DefaultMethodMatcher.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2015 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/AspectJAfterThrowingAdvice.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/TargetClassAware.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/target/CommonsPoolTargetSource.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/SingletonAspectInstanceFactory.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/aspectj/annotation/PrototypeAspectInstanceFactory.java
* /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources-jar/org/springframework/aop/framework/DefaultMethodMatcher.java
Use of Open Source Software in CSPC_Collector 2.9.1

- /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources.jar/org/springframework/aop/framework/autoproxy/AutoProxyUtils.java
- /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources.jar/org/springframework/aop/target/AbstractPoolingTargetSource.java
- /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources.jar/org/springframework/aop/aspectj/AspectJAroundAdvice.java
- /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources.jar/org/springframework/aop/ProxyMethodInvocation.java
- /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources.jar/org/springframework/aop/framework/autoproxy/AbstractBeanFactoryAwareAdvisingPostProcessor.java
- /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources.jar/org/springframework/aop/framework/AbstractSingletonProxyFactoryBean.java
- /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources.jar/org/springframework/aop/support/MethodMatchers.java
- /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources.jar/org/springframework/aop/framework/autoproxy/AbstractTargetSourceCreator.java
- /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources.jar/org/springframework/aop/framework/Advised.java
- /opt/cola/permits/1120268612_1609904342.2/0/spring-aop-4-3-30-release-sources.jar/org/springframework/aop/aspectj/annotation/AspectJAdvisorFactory.java

1.383 inetutils 0.17-73.el8

1.383.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS
0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that
is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to “keep intact all notices”.

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an “aggregate” if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product,
doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.
Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.
You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An “entity transaction” is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that
transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the
If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.
Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.
IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.
Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.
@c The GNU Free Documentation License.
@c Version 1.3, 3 November 2008
@c This file is intended to be included within another document,
c hence no sectioning command or @node.

display
@uref{http://fsf.org/}

everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
display

@enumerate 0
@item
PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document @dfn{free} in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially.
Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item
APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a
section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following
text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as ``Acknowledgements'', ``Dedications'', ``Endorsements'', or ``History''.) To ``Preserve the Title'' of such a section when you modify the Document means that it remains a section ``Entitled XYZ'' according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent
If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

1. Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

2. List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

3. State on the Title page the name of the publisher of the Modified Version, as the publisher.
Preserve all the copyright notices of the Document.

Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

Include an unaltered copy of this License.

Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.
@item
Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version’s license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.
The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled ``History'' in the various original documents, forming one section Entitled ``History''; likewise combine any sections Entitled ``Acknowledgements'', and any sections Entitled ``Dedications''. You must delete all sections Entitled ``Endorsements."

@item

COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item

AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole
Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled ''Acknowledgements'', ''Dedications'', or ''History'', the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently...
reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

RELICENSING

``Massive Multiauthor Collaboration Site'' (or ``MMC Site'') means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A ``Massive Multiauthor Collaboration'' (or ``MMC'') contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA'' means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate'' means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is ``eligible for relicensing'' if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole
or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page
@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled ``GNU Free Documentation License''.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ``with@dots{}Texts.''@: line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with
the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.
1.384 libxml 2.9.7-7.el8

1.384.1 Available under license:
Except where otherwise noted in the source code (e.g. the files hash.c, list.c and the trio files, which are covered by a similar licence but with different Copyright notices) all the files are:

Copyright (C) 1998-2012 Daniel Veillard. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.385 jersey-common 2.26

1.386 liburcu 0.10.1-2.el8

1.386.1 Available under license:
Mathieu Desnoyers
May 13th, 2009

IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the userspace RCU library in a patch submitted on May 8, 2009 from Paul E. McKenney and reviewed by Steven L. Bennett:

I (Mathieu Desnoyers) re-implemented ACCESS_ONCE(), likely(), unlikely() and barrier() from scratch without reference to the original code.

commit id : 2dc5fa0f7cfbfb0a64a7a67b39626650e863f16a

Bert Wesarg <bert.wesarg@googlemail.com> approved LGPL relicensing of his patch in an email dated May 13, 2009:

http://lkml.org/lkml/2009/5/13/16

xchg() primitives has been rewritten from a MIT-licensed cmpxchg for Intel and powerpc. They are MIT-licensed and therefore usable in LGPL code. This cmpxchg code was obtained from the atomic_ops project:

http://www.hpl.hp.com/research/linux/atomic_ops/

I (Mathieu Desnoyers) wrote the remainder of the code.

The license for the library files in this project was therefore changed to LGPLv2.1 on May 13, 2009, as detailed in LICENSE.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".
A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>

Open Source Used In CSPC_Collector 2.9.1 3674
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.
GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.
For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.
To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.


No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid
circumvention of technological measures to the extent such circumvention is
effected by exercising rights under this License with respect to
the covered work, and you disclaim any intention to limit operation or
modification of the work as a means of enforcing, against the work's
users, your or third parties' legal rights to forbid circumvention of
technological measures.


You may convey verbatim copies of the Program's source code as you
receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice;
keep intact all notices stating that this License and any
non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all
recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey,
and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the
terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified
it, and giving a relevant date.

b) The work must carry prominent notices stating that it is
released under this License and any conditions added under section
7. This requirement modifies the requirement in section 4 to
"keep intact all notices".

c) You must license the entire work, as a whole, under this
License to anyone who comes into possession of a copy. This
License will therefore apply, along with any applicable section 7
additional terms, to the whole of the work, and all its parts,
regardless of how they are packaged. This License gives no
permission to license the work in any other way, but it does not
invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display
Appropriate Legal Notices; however, if the Program has interactive
interfaces that do not display Appropriate Legal Notices, your
work need not make them do so.

A compilation of a covered work with other separate and independent
works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product,
doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some
trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.
Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".
A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are
specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General
Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.
The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

GNU Free Documentation License
Version 1.2, November 2002

Copyright (C) 2000,2001,2002 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document "free" in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below,
refers to any such manual or work. Any member of the public is a
licensee, and is addressed as "you". You accept the license if you
copy, modify or distribute the work in a way requiring permission
under copyright law.

A "Modified Version" of the Document means any work containing the
Document or a portion of it, either copied verbatim, or with
modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of
the Document that deals exclusively with the relationship of the
publishers or authors of the Document to the Document's overall subject
(or to related matters) and contains nothing that could fall directly
within that overall subject. (Thus, if the Document is in part a
textbook of mathematics, a Secondary Section may not explain any
mathematics.) The relationship could be a matter of historical
connection with the subject or with related matters, or of legal,
commercial, philosophical, ethical or political position regarding
them.

The "Invariant Sections" are certain Secondary Sections whose titles
are designated, as being those of Invariant Sections, in the notice
that says that the Document is released under this License. If a
section does not fit the above definition of Secondary then it is not
allowed to be designated as Invariant. The Document may contain zero
Invariant Sections. If the Document does not identify any Invariant
Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed,
as Front-Cover Texts or Back-Cover Texts, in the notice that says that
the Document is released under this License. A Front-Cover Text may
be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy,
represented in a format whose specification is available to the
general public, that is suitable for revising the document
straightforwardly with generic text editors or (for images composed of
pixels) generic paint programs or (for drawings) some widely available
drawing editor, and that is suitable for input to text formatters or
for automatic translation to a variety of formats suitable for input
to text formatters. A copy made in an otherwise Transparent file
format whose markup, or absence of markup, has been arranged to thwart
or discourage subsequent modification by readers is not Transparent.
An image format is not Transparent if used for any substantial amount
of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain
ASCII without markup, Texinfo input format, LaTeX input format, SGML
or XML using a publicly available DTD, and standard-conforming simple
HTML, PostScript or PDF designed for human modification. Examples of
transparent image formats include PNG, XCF and JPG. Opaque formats
include proprietary formats that can be read and edited only by
proprietary word processors, SGML or XML for which the DTD and/or
processing tools are not generally available, and the
machine-generated HTML, PostScript or PDF produced by some word
processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself,
plus such following pages as are needed to hold, legibly, the material
this License requires to appear in the title page. For works in
formats which do not have any title page as such, "Title Page" means
the text near the most prominent appearance of the work's title,
preceding the beginning of the body of the text.

A section "Entitled XYZ" means a named subunit of the Document whose
title either is precisely XYZ or contains XYZ in parentheses following
text that translates XYZ in another language. (Here XYZ stands for a
specific section name mentioned below, such as "Acknowledgements",
"Dedications", "Endorsements", or "History".) To "Preserve the Title"
of such a section when you modify the Document means that it remains a
section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which
states that this License applies to the Document. These Warranty
Disclaimers are considered to be included by reference in this
License, but only as regards disclaiming warranties: any other
implication that these Warranty Disclaimers may have is void and has
no effect on the meaning of this License.

2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either
commercially or noncommercially, provided that this License, the
copyright notices, and the license notice saying this License applies
to the Document are reproduced in all copies, and that you add no other
conditions whatsoever to those of this License. You may not use
technical measures to obstruct or control the reading or further
copying of the copies you make or distribute. However, you may accept
compensation in exchange for copies. If you distribute a large enough
number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and
you may publicly display copies.
3. COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

A. Use in the Title Page (and on the covers, if any) a title distinct
from that of the Document, and from those of previous versions
(which should, if there were any, be listed in the History section
of the Document). You may use the same title as a previous version
if the original publisher of that version gives permission.
B. List on the Title Page, as authors, one or more persons or entities
responsible for authorship of the modifications in the Modified
Version, together with at least five of the principal authors of the
Document (all of its principal authors, if it has fewer than five),
unless they release you from this requirement.
C. State on the Title page the name of the publisher of the
Modified Version, as the publisher.
D. Preserve all the copyright notices of the Document.
E. Add an appropriate copyright notice for your modifications
adjacent to the other copyright notices.
F. Include, immediately after the copyright notices, a license notice
giving the public permission to use the Modified Version under the
terms of this License, in the form shown in the Addendum below.
G. Preserve in that license notice the full lists of Invariant Sections
and required Cover Texts given in the Document's license notice.
H. Include an unaltered copy of this License.
I. Preserve the section Entitled "History", Preserve its Title, and add
to it an item stating at least the title, year, new authors, and
publisher of the Modified Version as given on the Title Page. If
there is no section Entitled "History" in the Document, create one
stating the title, year, authors, and publisher of the Document as
given on its Title Page, then add an item describing the Modified
Version as stated in the previous sentence.
J. Preserve the network location, if any, given in the Document for
public access to a Transparent copy of the Document, and likewise
the network locations given in the Document for previous versions
it was based on. These may be placed in the "History" section.
You may omit a network location for a work that was published at
least four years before the Document itself, or if the original
publisher of the version it refers to gives permission.
K. For any section Entitled "Acknowledgements" or "Dedications",
Preserve the Title of the section, and preserve in the section all
the substance and tone of each of the contributor acknowledgements
and/or dedications given therein.
L. Preserve all the Invariant Sections of the Document,
unaltered in their text and in their titles. Section numbers
or the equivalent are not considered part of the section titles.
M. Delete any section Entitled "Endorsements". Such a section
may not be included in the Modified Version.
N. Do not retile any existing section to be Entitled "Endorsements"
or to conflict in title with any Invariant Section.
O. Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or
appendices that qualify as Secondary Sections and contain no material
copied from the Document, you may at your option designate some or all
of these sections as invariant. To do this, add their titles to the
list of Invariant Sections in the Modified Version’s license notice.
These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains
nothing but endorsements of your Modified Version by various
parties—for example, statements of peer review or that the text has
been approved by an organization as the authoritative definition of a
standard.

You may add a passage of up to five words as a Front-Cover Text, and a
passage of up to 25 words as a Back-Cover Text, to the end of the list
of Cover Texts in the Modified Version. Only one passage of
Front-Cover Text and one of Back-Cover Text may be added by (or
through arrangements made by) any one entity. If the Document already
includes a cover text for the same cover, previously added by you or
by arrangement made by the same entity you are acting on behalf of,
you may not add another; but you may replace the old one, on explicit
permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License
give permission to use their names for publicity for or to assert or
imply endorsement of any Modified Version.

5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this
License, under the terms defined in section 4 above for modified
versions, provided that you include in the combination all of the
Invariant Sections of all of the original documents, unmodified, and
list them all as Invariant Sections of your combined work in its
license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and
multiple identical Invariant Sections may be replaced with a single
copy. If there are multiple Invariant Sections with the same name but
different contents, make the title of each such section unique by
adding at the end of it, in parentheses, the name of the original
author or publisher of that section if known, or else a unique number.
Make the same adjustment to the section titles in the list of
Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History"
in the various original documents, forming one section Entitled
"History": likewise combine any sections Entitled "Acknowledgements",
and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements".

6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include
the original English version of this License and the original versions of
those notices and disclaimers. In case of a disagreement between
the translation and the original version of this License or a notice
or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements",
"Dedications", or "History", the requirement (section 4) to Preserve
its Title (section 1) will typically require changing the actual
title.

9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except
as expressly provided for under this License. Any other attempt to
copy, modify, sublicense or distribute the Document is void, and will
automatically terminate your rights under this License. However,
parties who have received copies, or rights, from you under this
License will not have their licenses terminated so long as such
parties remain in full compliance.

10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions
of the GNU Free Documentation License from time to time. Such new
versions will be similar in spirit to the present version, but may
differ in detail to address new problems or concerns. See

Each version of the License is given a distinguishing version number.
If the Document specifies that a particular numbered version of this
License "or any later version" applies to it, you have the option of
following the terms and conditions either of that specified version or
of any later version that has been published (not as a draft) by the
Free Software Foundation. If the Document does not specify a version
number of this License, you may choose any version ever published (not
as a draft) by the Free Software Foundation.

ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of
the License in the document and put the following copyright and
license notices just after the title page:

Copyright (c) YEAR YOUR NAME.
Permission is granted to copy, distribute and/or modify this document
under the terms of the GNU Free Documentation License, Version 1.2
or any later version published by the Free Software Foundation;
with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts.
A copy of the license is included in the section entitled “GNU
Free Documentation License”.

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts,
replace the “with...Texts.” line with this:

with the Invariant Sections being LIST THEIR TITLES, with the
Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.

If you have Invariant Sections without Cover Texts, or some other
combination of the three, merge those two alternatives to suit the
situation.

If your document contains nontrivial examples of program code, we
recommend releasing these examples in parallel under your choice of
free software license, such as the GNU General Public License,
to permit their use in free software.

1.388 javax-inject 2.5.0-b42

1.389 lua 5.3.3
1.389.1 Available under license :

No license file was found, but licenses were detected in source scan.

cantidad de personas que estaban en la habitación en ese momento.

/* ***********************************************************************

* Copyright (C) 1994-2016 Lua.org, PUC-Rio.
* * Permission is hereby granted, free of charge, to any person obtaining
* a copy of this software and associated documentation files (the
* "Software"), to deal in the Software without restriction, including
* without limitation the rights to use, copy, modify, merge, publish,
* distribute, sublicense, and/or sell copies of the Software, and to
* permit persons to whom the Software is furnished to do so, subject to
* the following conditions:
* * The above copyright notice and this permission notice shall be
* included in all copies or substantial portions of the Software.
* *
* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
* EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
* MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.

Open Source Used In CSPC_Collector 2.9.1 3698
* IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
* CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
* TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
* SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
******************************************************************************/

Found in path(s):
* /opt/cola/permits/1125786469_1612157864.01/0/lua-lua-v5-3-3-0-gaa66ca7-1-tar-gz/lua-lua-aa66ca7/lua.h

1.390 jersey-client 2.27

1.391 keyutils 1.5.10-6.el8

1.391.1 Available under license :
GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.
We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.
This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) 19yy name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License.  Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary.  Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs.  If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library.  If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.392 mariadb-java-client 1.4.6
1.392.1 Available under license:

Found license 'GNU Lesser General Public License' in 'This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License; or (at your option) any later version. This library is distributed in the hope that it will be useful; but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along Redistribution and use in source and binary forms; with or without modification; are permitted provided that the following conditions are met: Redistributions of source code must retain the above copyright notice; this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice; this list of conditions and the following disclaimer in the documentation and/or Neither the name of the driver nor the names of its contributors may not be'

1.393 alpn-api 1.1.3.v20160715

1.394 libmnl 1.0.4 6.el8

1.394.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages—typically libraries—of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The
former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.395 libxslt 1.1.32 5.el8
1.395.1 Available under license :
DocBk XML V3.1.7 DTD
Copyright (C) 1998, 1999 Norman Walsh
http://nwalsh.com/docbook/xml/

You may distribute this DTD under the same terms as DocBook.

Please direct all questions and comments about this DTD to
Norman Walsh, <ndw@nwalsh.com>.

This DTD is based on the DocBook V3.1 DTD from OASIS:


Permission to use, copy, modify and distribute the DocBook DTD and its accompanying documentation for any purpose and without fee is hereby granted in perpetuity, provided that the above copyright notice and this paragraph appear in all copies. The copyright holders make no representation about the suitability of the DTD for any purpose. It is provided "as is" without expressed or implied warranty.

For more information about the DocBook DTD, see
http://www.oasis-open.org/docbook/
Simplified DocBk XML V3.1.7.1 DTD
Copyright (C) 1999 Norman Walsh
http://nwalsh.com/docbook/simple/

You may distribute this DTD under the same terms as DocBook.

Please direct all questions and comments about this DTD to
Norman Walsh, <ndw@nwalsh.com>. 
This DTD is based on the DocBk XML DTD, which is in turn based on the DocBook V3.1 DTD from OASIS:


Permission to use, copy, modify and distribute the DocBook DTD and its accompanying documentation for any purpose and without fee is hereby granted in perpetuity, provided that the above copyright notice and this paragraph appear in all copies. The copyright holders make no representation about the suitability of the DTD for any purpose. It is provided "as is" without expressed or implied warranty.

For more information about the DocBook DTD, see http://www.oasis-open.org/docbook/

Licence for libxslt except libexslt

Copyright (C) 2001-2002 Daniel Veillard. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE DANIEL VEILLARD BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of Daniel Veillard shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from him.

---------------------------------

Licence for libexslt

---------------------------------
Copyright (C) 2001-2002 Thomas Broyer, Charlie Bozeman and Daniel Veillard. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the authors shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from him.

Simplified DocBook XML V4.1.2.4 DTD
Copyright (C) 1999, 2000 Norman Walsh
http://nwalsh.com/docbook/simple/

You may distribute this DTD under the same terms as DocBook.

Please direct all questions and comments about this DTD to Norman Walsh, <ndw@nwalsh.com>.

This DTD is based on the DocBook XML V4.1.2 DTD from OASIS:


Permission to use, copy, modify and distribute the DocBook DTD and its accompanying documentation for any purpose and without fee is hereby granted in perpetuity, provided that the above copyright notice and this paragraph appear in all copies. The copyright holders make no representation about the suitability of the DTD for any purpose. It is provided "as is" without expressed or implied warranty.
For more information about the DocBook DTD, see http://www.oasis-open.org/docbook/

1.396 perl-compress-raw-zlib 2.081-1.el8

1.396.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*

-----------------------------------------------

ppport.h -- Perl/Pollution/Portability Version 3.21

Automatically created by Devel::PPPort running under perl 5.019005.

Do NOT edit this file directly! -- Edit PPPort_pm.PL and the
includes in parts/inc/ instead.

Use 'perldoc ppport.h' to view the documentation below.

-----------------------------------------------

SKIP

=pod

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.21

=head1 SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

  --help        show short help
  --version     show version
  --patch=file  write one patch file with changes
  --copy=suffix write changed copies with suffix
  --diff=program use diff program and options
  --compat-version=version provide compatibility with Perl version
  --cplusplus   accept C++ comments
--quiet          don't output anything except fatal errors
--nodiag         don't show diagnostics
--nohints        don't show hints
--nochanges      don't suggest changes
--nofilter       don't filter input files

--strip          strip all script and doc functionality from ppport.h

--list-provided  list provided API
--list-unsupported list unsupported API
--api-info=name   show Perl API portability information

=head1 COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.11.5.

=head1 OPTIONS

=head2 --help

Display a brief usage summary.

=head2 --version

Display the version of F<ppport.h>.

=head2 --patch=I<file>

If this option is given, a single patch file will be created if any changes are suggested. This requires a working diff program to be installed on your system.

=head2 --copy=I<suffix>

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs. Note that this does not automagially add a dot between the original filename and the suffix. If you want the dot, you have to include it in the option argument.

If neither C<--patch> or C<--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

=head2 --diff=I<program>
Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.

=head2 --compat-version=I<version>

Tell F<ppport.h> to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003. You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.

=head2 --cplusplus

Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.

=head2 --quiet

Be quiet. Don't print anything except fatal errors.

=head2 --nodiag

Don't output any diagnostic messages. Only portability alerts will be printed.

=head2 --nohints

Don't output any hints. Hints often contain useful portability notes. Warnings will still be displayed.

=head2 --nochanges

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>. This reduces the size of F<ppport.h> dramatically and may be useful
if you want to include F<ppport.h> in smaller modules without increasing their distribution size too much.

The stripped F<ppport.h> will have a C<--unstrip> option that allows you to undo the stripping, but only if an appropriate C<Devel::PPPort> module is installed.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.

=head2 --list-unsupported

Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching I<name>. If I<name> is surrounded by slashes, it is interpreted as a regular expression.

=head1 DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

=item *

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

perl ppport.h --list-provided

to see which API elements are provided by ppport.h.

=item *

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h>
will provide wrappers for older Perl versions.

=item *

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define>s in your source code before the inclusion of F<ppport.h>.

These functions or variables will be marked C<explicit> in the list shown by C<--list-provided>.

Depending on whether you module has a single or multiple files that use such functions or variables, you want either C<static> or global variants.

For a C<static> function or variable (used only in a single source file), use:

```
#define NEED_function
#define NEED_variable
```

For a global function or variable (used in multiple source files), use:

```
#define NEED_function_GLOBAL
#define NEED_variable_GLOBAL
```

Note that you mustn't have more than one global request for the same function or variable in your project.

<table>
<thead>
<tr>
<th>Function / Variable</th>
<th>Static Request</th>
<th>Global Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL_parser</td>
<td>NEED_PL_parser</td>
<td>NEED_PL_parser_GLOBAL</td>
</tr>
<tr>
<td>PL_signals</td>
<td>NEED_PL_signals</td>
<td>NEED_PL_signals_GLOBAL</td>
</tr>
<tr>
<td>eval_pv()</td>
<td>NEED_eval_pv</td>
<td>NEED_eval_pv_GLOBAL</td>
</tr>
<tr>
<td>grok_bin()</td>
<td>NEED_grok_bin</td>
<td>NEED_grok_bin_GLOBAL</td>
</tr>
<tr>
<td>grok_hex()</td>
<td>NEED_grok_hex</td>
<td>NEED_grok_hex_GLOBAL</td>
</tr>
<tr>
<td>grok_number()</td>
<td>NEED_grok_number</td>
<td>NEED_grok_number_GLOBAL</td>
</tr>
<tr>
<td>grok_numeric_radix()</td>
<td>NEED_grok_numeric_radix</td>
<td>NEED_grok_numeric_radix_GLOBAL</td>
</tr>
<tr>
<td>grok_oct()</td>
<td>NEED_grok_oct</td>
<td>NEED_grok_oct_GLOBAL</td>
</tr>
<tr>
<td>load_module()</td>
<td>NEED_load_module</td>
<td>NEED_load_module_GLOBAL</td>
</tr>
<tr>
<td>my_snprintf()</td>
<td>NEED_my_snprintf</td>
<td>NEED_my_snprintf_GLOBAL</td>
</tr>
<tr>
<td>my_sprintf()</td>
<td>NEED_my_sprintf</td>
<td>NEED_my_sprintf_GLOBAL</td>
</tr>
<tr>
<td>my_strlcat()</td>
<td>NEED_my_strlcat</td>
<td>NEED_my_strlcat_GLOBAL</td>
</tr>
<tr>
<td>my_strlcpy()</td>
<td>NEED_my_strlcpy</td>
<td>NEED_my_strlcpy_GLOBAL</td>
</tr>
<tr>
<td>newCONSTSUB()</td>
<td>NEED_newCONSTSUB</td>
<td>NEED_newCONSTSUB_GLOBAL</td>
</tr>
<tr>
<td>newRV_noinc()</td>
<td>NEED_newRV_noinc</td>
<td>NEED_newRV_noinc_GLOBAL</td>
</tr>
</tbody>
</table>
newSV_type()   NEED_newSV_type   NEED_newSV_type_GLOBAL
newSVpvn_flags()   NEED_newSVpvn_flags   NEED_newSVpvn_flags_GLOBAL
newSVpvn_share()   NEED_newSVpvn_share   NEED_newSVpvn_share_GLOBAL
pv_display()   NEED_pv_display   NEED_pv_display_GLOBAL
pv_escape()   NEED_pv_escape   NEED_pv_escape_GLOBAL
pv_pretty()   NEED_pv_pretty   NEED_pv_pretty_GLOBAL
sv_2pv_flags()   NEED_sv_2pv_flags   NEED_sv_2pv_flags_GLOBAL
sv_2pvbyte()   NEED_sv_2pvbyte   NEED_sv_2pvbyte_GLOBAL
sv_catpvf_mg()   NEED_sv_catpvf_mg   NEED_sv_catpvf_mg_GLOBAL
sv_catpvf_mg_nocontext()   NEED_sv_catpvf_mg_nocontext   NEED_sv_catpvf_mg_nocontext_GLOBAL
sv_pvn_force_flags()   NEED_sv_pvn_force_flags   NEED_sv_pvn_force_flags_GLOBAL
sv_setpvf_mg()   NEED_sv_setpvf_mg   NEED_sv_setpvf_mg_GLOBAL
sv_setpvf_mg_nocontext()   NEED_sv_setpvf_mg_nocontext   NEED_sv_setpvf_mg_nocontext_GLOBAL
vload_module()   NEED_vload_module   NEED_vload_module_GLOBAL
vnewSVpuf()   NEED_vnewSVpuf   NEED_vnewSVpuf_GLOBAL
warner()   NEED_warner   NEED_warner_GLOBAL

To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the \#DPPP_NAMESPACE\ macro. Just \#define the macro before including \#ppport.h:\

```c
#define DPPP_NAMESPACE MyOwnNamespace_
#include "ppport.h"
```

The default namespace is \#DPPP_.

=back

The good thing is that most of the above can be checked by running \F<ppport.h> on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether \F<ppport.h> is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, \F<ppport.h> can be run as a Perl script to check your source code. Simply say:

```bash
perl ppport.h
```

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could
use something like this:

    perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff

If you only want your code to be scanned without any suggestions for changes, use:

    perl ppport.h --nochanges

You can specify a different C<diff> program or options, using the C<--diff> option:

    perl ppport.h --diff='diff -C 10'

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:

    perl ppport.h --copy=.new

To display portability information for the C<newSVpvn> function, use:

    perl ppport.h --api-info=newSVpvn

Since the argument to C<--api-info> can be a regular expression, you can use

    perl ppport.h --api-info=/_nomg$/

to display portability information for all C<_nomg> functions or

    perl ppport.h --api-info=/./

to display information for all known API elements.

=head1 BUGS

If this version of F<ppport.h> is causing failure during the compilation of this module, please check if newer versions of either this module or C<Devel::PPPort> are available on CPAN before sending a bug report.

If F<ppport.h> was generated using the latest version of C<Devel::PPPort> and is causing failure of this module, please file a bug report using the CPAN Request Tracker at L<http://rt.cpan.org/>.

Please include the following information:
The complete output from running "perl -V"

This file.

The name and version of the module you were trying to build.

A full log of the build that failed.

Any other information that you think could be relevant.

For the latest version of this code, please get the C<Devel::PPPort> module from CPAN.

=head1 COPYRIGHT

Version 3.x, Copyright (c) 2004-2013, Marcus Holland-Moritz.

Version 2.x, Copyright (C) 2001, Paul Marquess.

Version 1.x, Copyright (C) 1999, Kenneth Albanowski.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

See L<Devel::PPPort>.

=cut

use strict;

# Disable broken TRIE-optimization
BEGIN { eval '"^[RE_TRIE_MAXBUF}= -1' if $] >= 5.009004 && $] <= 5.009005 }

my $VERSION = 3.21;

my %opt = (
    quiet => 0,
    diag  => 1,
    hints => 1,
    changes => 1,
    cplusplus => 0,
    filter  => 1,
    strip   => 0,
    version => 0,
);

my($ppport) = $0 =~ /\[\w.]+$/;
my $LF = '(?:\r\n|\[\r\n\])'; # line feed
my $HS = "[\t\n]"; # horizontal whitespace

# Never use C comments in this file!
my $ccs = '/\*';
my $cce = '\*/';
my $rccs = quotemeta $ccs;
my $rcce = quotemeta $cce;

eval {
    require Getopt::Long;
    Getopt::Long::GetOptions(%opt, qw(
        help quiet diag! filter! hints! changes! cplusplus strip version
        patch=s copy=s diff=s compat-version=s
        list-provided list-unsupported api-info=s
    )) or usage();
};

if ($@ and grep /^-/, @ARGV) {
    usage() if "$ARGV" =~ /^--?h(?:elp)?$/;
    die "Getopt::Long not found. Please don't use any options.\n"
;
}

if (exists $opt{'compat-version'}) {

    usage() if $opt{help};
    strip() if $opt{strip};

    if (exists $opt{'compat-version'}) {
my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) }; if ($@) {
    die "Invalid version number format: \$opt\{\'compat-version\'}\n";
}

if ($r != 5) {
    die "Only Perl 5 is supported\n" if $r != 5;
}

die "Invalid version number: \$opt\{\'compat-version\'}\n" if $v >= 1000 || $s >= 1000;
$opt\{\'compat-version\'} = sprintf "%d.%03d%03d\", $r, $v, $s;
}
else {
    $opt\{'compat-version\'} = 5;
}
}

my %API = map { /^\w+/|[,\^\[\]\*]*\|[^\[\]*]*\|[^\[\]*]*\|[^\[\]*]*\|$?
            ( $1 => {
                ($2                  ? ( base      => $2 ) : ()),
                ($3                  ? ( todo      => $3 ) : ()),
                (index($4, 'v') >= 0 ? ( varargs   => 1  ) : ()),
                (index($4, 'p') >= 0 ? ( provided  => 1  ) : ()),
                (index($4, 'n') >= 0 ? ( nothxarg => 1  ) : ()),
            } )
IN_LOCALE
IN_PERL_COMPILETIME
IS_NUMBER_GREATER_THAN_UV_MAX
IS_NUMBER_INFINITY
IS_NUMBER_IN_UV
IS_NUMBER_NAN
IS_NUMBER_NEG
IS_NUMBER_NOT_INT
IVSIZE
IVTYPE
IVdf
LEAVE
LINKLIST
LVRET
MARK
MULTICALL
MY_CXT_CLONE
MY_CXT_INIT
MY_CXT
MoveD
Move
NOOP
NUM2PTR
NVTYPE
NVef
NVff
NVgf
Newxc
Newxz
Newx
Nullav
Nullch
Nullcv
Nullhv
Nullsv
OP_CLASS
OP_DESC
OP_NAME
ORIGMARK
PAD_BASE_SV
PAD_CLONE_VARS
PAD_COMPNAME_FLAGS
PAD_COMPNAME_GEN
PAD_COMPNAME
PAD_COMPNAME_OURSTASH
PAD_COMPNAME_PV
PAD_COMPNAME_TYPE
PAD_RESTORE_LOCAL
PERL_MAGIC_tiedelem|5.007002||p
PERL_MAGIC_tiedscalar|5.007002||p
PERL_MAGIC_tied|5.007002||p
PERL_MAGIC_uint8|5.008001||p
PERL_MAGIC_uvar_elem|5.007003||p
PERL_MAGIC_uvar|5.007002||p
PERL_MAGIC_vec|5.007002||p
PERL_MAGIC_vstring|5.008001||p
PERL_PV_ESCAPE_ALL|5.009004||p
PERL_PV_ESCAPE_FIRSTCHAR|5.009004||p
PERL_PV_ESCAPE_NOBACKSLASH|5.009004||p
PERL_PV_ESCAPE_NOCLEAR|5.009004||p
PERL_PV_ESCAPE_QUOTE|5.009004||p
PERL_PV_ESCAPE_RE|5.009005||p
PERL_PV_ESCAPE_UNI_DETECT|5.009004||p
PERL_PV_ESCAPE_UNI|5.009002||p
PERL_PV_PRETTY_DUMP|5.009004||p
PERL_PV_PRETTY_ELLIPSES|5.010000||p
PERL_PV_PRETTY_LTGT|5.009004||p
PERL_PV_PRETTY_NOCLEAR|5.010000||p
PERL_PV_PRETTY_QUOTE|5.009004||p
PERL_PV_PRETTY_REGPROP|5.009004||p
PERL_QUAD_MAX|5.004000||p
PERL_QUAD_MIN|5.004000||p
PERL_REVISION|5.006000||p
PERL_SCAN_ALLOW_UNDERSCORES|5.007003||p
PERL_SCAN_DISALLOW_PREFIX|5.007003||p
PERL_SCAN_GREATER_THAN_UV_MAX|5.007003||p
PERL_SCAN_SILENT_ILLDIGIT|5.008001||p
PERL_SHORT_MAX|5.004000||p
PERL_SHORT_MIN|5.004000||p
PERL_SIGNALSUnsafe_FLAG|5.008001||p
PERL_SUBVERSION|5.006000||p
PERL_SYS_INIT3|5.010000||p
PERL_SYS_INIT|5.010000||p
PERL_SYS_TERM|5.019003||p
PERL_UCHAR_MAX|5.004000||p
PERL_UCHAR_MIN|5.004000||p
PERL_UINT_MAX|5.004000||p
PERL_UINT_MIN|5.004000||p
PERL ULONG_MAX|5.004000||p
PERL ULONG_MIN|5.004000||p
PERL_UNUSED_ARG|5.009003||p
PERL_UNUSED_CONTEXT|5.009004||p
PERL_UNUSED_DECL|5.007002||p
PERL_UNUSED_VAR|5.007002||p
PERL_UQUAD_MAX|5.004000||p
PERL_UQUAD_MIN|5.004000||p
Open Source Used In CSPC_Collector 2.9.1

PL_rsfp_filters|5.019002|p
PL_rsfp|5.019002|p
PL_rsl|n
PL_signals|5.008001|p
PL_stack_base|5.004050|p
PL_stack_sp|5.004050|p
PL_statcache|5.005000|p
PL_stdingv|5.004050|p
PL_sv_arenaroot|5.004050|p
PL_sv_no|5.004050|pn
PL_sv_undef|5.004050|pn
PL_sv_yes|5.004050|pn
PL_tainted|5.004050|p
PL_tainting|5.004050|p
PL_tokenbuf|5.019002|p
POP_MULTICALL|5.019003|
POPi||n
POPi||n
POPi||n
POPpbytex|5.007001|n
POPpx|x|5.005030|n
POPp||n
POPs||n
PTR2IV|5.006000|p
PTR2NV|5.006000|p
PTR2UV|5.006000|p
PTR2nat|5.009003|p
PTR2ul|5.007001|p
PTRV|5.006000|p
PUSHMARK||
PUSH_MULTICALL|5.019003|
PUSHi||
PUSHmortal|5.009002|p
PUSHn||
PUSHp||
PUSHs||
PUSHu|5.004000|p
PUTBACK||
PadARRAY|5.019003|
PadMAX|5.019003|
PadlistARRAY|5.019003|
PadlistMAX|5.019003|
PadlistNAMESARRAY|5.019003|
PadlistNAMESMAX|5.019003|
PadlistNAMES|5.019003|
PadlistREFCNT|5.017004|
PadnameIsOUR||
PadnameIsSTATE||
SvIOK_notUV\[5.006000\]
SvIOK_off\]
SvIOK_only_UV\[5.006000\]
SvIOK_only\]
SvIOK_on\]
SvIOKp\]
SvIOK\]
SvIVX\]
SvIV_nomg\[5.009001\]p
SvIV_set\]
SvIVx\]
SvIV\]
SvIsCOW_shared_hash\[5.008003\]
SvIsCOW\[5.008003\]
SvLEN_set\]
SvLEN\]
SvLOCK\[5.007003\]
SvMAGIC_set\[5.009003\]p
SvNIOK_off\]
SvNIOKp\]
SvNIOK\]
SvNOK_off\]
SvNOK_only\]
SvNOK_on\]
SvNOKp\]
SvNOK\]
SvNVX\]
SvNV_nomg\[5.013002\]
SvNV_set\]
SvNVx\]
SvNV\]
SvOK\]
SvOOK_offset\[5.011000\]
SvOOK\]
SvPOK_off\]
SvPOK_only_UTF8\[5.006000\]
SvPOK_only\]
SvPOK_on\]
SvPOKp\]
SvPOK\]
SvPVX_const\[5.009003\]p
SvPVX_mutable\[5.009003\]p
SvPVX\]
SvPV_const\[5.009003\]p
SvPV_flags_const_nolen\[5.009003\]p
SvPV_flags_const\[5.009003\]p
SvPV_flags_mutable\[5.009003\]p
SvPV_flags\[5.007002\]p
SvSHARED_HASH|5.009003|p
SvSHARE|5.007003|
SvSTASH_set|5.009003|p
SvSTASH|||
SvSetMagicSV_nosteal|5.004000|
SvSetMagicSV|5.004000|
SvSetSV_nosteal|5.004000|
SvSetSV|||
SvTAINTED_off|5.004000|
SvTAINTED_on|5.004000|
SvTAINTED|5.004000|
SvTAINT|||
SvTHINKFIRST|||
SvTRUE_nomg|5.013006|
SvTRUE|||
SvTYPE|||
SvUNLOCK|5.007003|
SvUOK|5.007001|5.006000|p
SvUPGRADE|||
SvUTF8_off|5.006000|
SvUTF8_on|5.006000|
SvUTF8|5.006000|
SvUVXx|5.004000|p
SvUVX|5.004000|p
SvUV_nomg|5.009001|p
SvUV_set|5.009003|p
SvUVx|5.004000|p
SvUV|5.004000|p
SvVOK|5.008001|
SvVSTRING_mg|5.009004|p
THIS||n
UNDERBAR|5.009002|p
UTF8_MAXBYTES|5.009002|p
UVSIZE|5.006000|p
UVTYPE|5.006000|p
UVXf|5.007001|p
UVof|5.006000|p
UVuf|5.006000|p
UVxf|5.006000|p
WARN_ALL|5.006000|p
WARN_AMBIGUOUS|5.006000|p
WARN_ASSERTIONS|5.019002|p
WARN_BAREWORD|5.006000|p
WARN.Closed|5.006000|p
WARN_CLOSURE|5.006000|p
WARN_DEBUGGING|5.006000|p
WARN_DEPRECATED|5.006000|p
WARN_DIGIT|5.006000|p
cx_dup||
cxinc||
dAXMARK|5.009003||p
dAX|5.007002||p
dITEMS|5.007002||p
dMARK||
dMULTICALL|5.009003|
dMY_CXT_SV|5.009003||p
dMY_CXT|5.007003||p
dNOOP|5.006000||p
dORIGMARK||
dSP||
dTHR|5.004050||p
dTHXR|5.019002||p
dTHXa|5.006000||p
dTHXoa|5.006000||p
dTHX|5.006000||p
dUNDERBAR|5.009002||p
dVAR|5.009003||p
dXCPT|5.009002||p
dXSARGS||
dXSI32||
dXSTARG|5.006000||p
deb_curcv||
deb_nocontext||vn
deb_stack_all||
deb_stack_n||
debop|5.005000|
debugprofdump|5.005000|
debugprof||
debstackptrs|5.007003|
debstack|5.007003|
despatch_signals||
deb||5.007003|v
defelem_target||
del_sv||
delete_eval_scope||
delimcpy|5.004000|n
deprecate_commaless_var_list||
despatch_signals|5.007001|
destroy_matcher||
die_nocontext||vn
die_sv|5.013001|
die_unwind||
die||v
dirp_dup||
div128||
d|SP||
do_aexec5
do_aexec
do_aspawm
do_binmode[5.004050]
do_chomp

do_close

do_delete_local

do_dump_pad

do_eof

do_exec3

do_execfree

do_exec

do_gv_dump[5.006000]
do_gv�_dump[5.006000]
do_hv_dump[5.006000]
do_ipcctl

do_ipctype

do_join

do_magic_dump[5.006000]
do_msgrev

do_msgsnd

do_ncmp

do_oddball

do_op_dump[5.006000]
do_op_xmldump

do_open9[5.006000]
do_opena[5.007001]
do_open[5.004000]
do_pmop_dump[5.006000]
do_pmop_xmldump

do_print

do_readline

do_seek

do_semop

do_shmio

do_smartmatch

do_spawn_nowait

do_spawn

do_sprintf

do_sv_dump[5.006000]
do_sysseek

do_tell

do_trans_complex(utf8)
do_trans_complex

do_trans_count(utf8)
do_trans_count

do_trans_simple(utf8)
do_trans_simple
do_trans
do_vecget
do_vecset
do_vop
docatch
doeval
dofile
dofindlabel
doform
doing_taint
dooneliner
doopen_pm
doparseform
dopoptoeval
dopoptogiven
dopoptolabel
dopoptoloop
dopoptosub_at
dopoptowhen
doref
dounwind
dowantarray
dump_all_perl
dump_all
dump_eval
dump_exec_pos
dump_fds
dump_form
dump_indent
dump_mstats
dump_packsubs_perl
dump_packsubs
dump_sub_perl
dump_sub
dump_sv_child
dump_trie_interim_list
dump_trie_interim_table
dump_trie
dump_vindent
dumpuntil
dup_attrlist
evaluate_cop_io
eval_pv
eval_sv
eexec_failed
expect_number
fbm_compile
fbm_instr
feature_is_enabled
filter_add
filter_del
filter_gets
filter_read
finalize_optree
finalize_op
find_and_forget_pmops
find_array_subscript
find_beginning
find_byclass
find_hash_subscript
find_in_my_stash
find_lexical_cv
find_runcv
find_runcv_where
find_rundefsv
find_rundefsv2
find_rundefsvoffset
find_script
find_uninit_var
first_symbol
foldEQ_latin1
foldEQ.locale
foldEQ_utf8_flags
foldEQ_utf8
foldEQ
fold_constants
forbid_setid
force_ident_maybe_lex
force_ident
force_list
force_next
force_strict_version
force_version
force_word
forget_pmop
form_nocontext
form_short_octal_warning
form
fp_dup
fprintf_nocontext
free_global_struct
free_tied_hv_pool
free_tmps
gen_constant_list
get_and_check_backslash_N_name
get_aux_mg
hsplit
hv_assert
hv_auxinit
hv_backreferences_p
hv_clear_placeholders
hv_clear
hv_common_key_len
hv_common
hv_copy_hints_hv
hv_delayfree_ent
hv_delete_common
hv_delete_ent
hv_delete
hv_eiter_p
hv_eiter_set
hv_ename_add
hv_ename_delete
hv_exists_ent
hv_exists
hv_fetch_ent
hv_fetchs
hv_fetch
hv_fill
hv_free_ent_ret
hv_free_ent
hv_iterinit
hv_iterkeys
hv_iterkey
hv_iternext_flags
hv_iternext
hv_iterval
hv_kill_backrefs
hv_ksplit
hv_magic_check
hv_magic
hv_name_set
hv_notallowed
hv_placeholders_get
hv_placeholders_p
hv_placeholders_set
hv_rand_set
hv_riter_p
hv_riter_set
hv_scalar
hv_store_ent
hv_store_flags
hv_stores
hv_store||
hv_undef_flags||
hv_undef||
ibcmp_locale||5.004000|
ibcmp_utf8||5.007003|
ibcmp||
incline||
incline_if_exists||
incline_use_sep||
incline||
ingroup||
init_argv_symbols||
init_constants||
init_dbargs||
init_debugger||
init_global_struct||
init_i18n10n||5.006000|
init_i18n14n||5.006000|
init_ids||
init_interp||
init_main_stash||
init_perllib||
init_postdump_symbols||
init_predump_symbols||
init_stacks||5.005000|
init_tm||5.007002|
inplace_aassign||
instr||
in
intro_my||
intuit_method||
intuit_more||
invert||
inlist_array||
inlist_clone||
inlist_extend||
inlist_highest||
inlist_is_iterating||
inlist_iterfinish||
inlist_iterinit||
inlist_iternext||
inlist_max||
inlist_previous_index||
inlist_set_len||
inlist_set_previous_index||
inlist_trim||
invoke_exception_hook||
io_close||
isALNUMC||5.006000|
is_uni_lower||5.006000|
is_uni_print_lc||5.006000|
is_uni_print||5.006000|
is_uni_punct_lc||5.006000|
is_uni_punct||5.006000|
is_uni_space_lc||5.006000|
is_uni_space||5.006000|
is_uni_upper_lc||5.006000|
is_uni_upper||5.006000|
is_uni_xdigit_lc||5.006000|
is_uni_xdigit||5.006000|
is_utf8_alnumc||5.017007|
is_utf8_alnum||5.006000|
is_utf8_alpha||5.006000|
is_utf8_asciic||5.006000|
is_utf8_blank||5.017002|
is_utf8_char_buf||5.015008n
is_utf8_char_slow||
is_utf8_char||5.006000n
is_utf8_cntrt||5.006000
is_utf8_common||
is_utf8_digit||5.006000|
is_utf8_graph||5.006000|
is_utf8_idcont||5.008000|
is_utf8_idfirst||5.006000|
is_utf8_lower||5.006000|
is_utf8_mark||5.006000|
is_utf8_perl_space||5.011001|
is_utf8_perl_word||5.011001|
is_utf8_posix_digit||5.011001|
is_utf8_print||5.006000|
is_utf8_punct||5.006000|
is_utf8_space||5.006000|
is_utf8_string_loclen||5.009003n
is_utf8_string_loc||5.008000n
is_utf8_string||5.006001n
is_utf8_upper||5.006000|
is_utf8_xdigit||5.006000|
is_utf8_xidcont||5.013010|
is_utf8_xidfirst||5.013010|
isa_lookup||
items||n
ix||n
jmaybe||
join_exact||
keyword_plugin_standard||
keyword||
leave_scope||
lex_bufutf8
lex_discard_to
lex_grow_linestr
lex_next_chunk
lexpeek_unichar
lex_read_space
lex_read_to
lex_read_unichar
lex_start
lex_stuff_pvn
lex_stuff_pvs
lex_stuff_pv
lex_stuff_sv
lex_unstuff
listkids
list
load_module_nocontext
load_module
localize
looks_like_bool
looks_like_number
lop
mPUSHi
mPUSHn
mPUSHp
mPUSHs
mXPUSHi
mXPUSHn
mXPUSHp
mXPUSHs
mad_free
madlex
madparse
magic_clear_all_env
magic_cleararylen_p
magic_cleararylen
magic_clearenv
magic_clearhints
magic_clearhint
magic_clearisa
magic_clearpack
magic_clearsig
magic_copycallchecker
magic_dump
magic_existspack
magic_freearylen_p
magic_freearylen
magic_freeovrld
newAVREF
newAV
newBINOP
newCONDOP
newCONSTSUB_flags[5.015006]
newCONSTSUB[5.004050][p
newCVREF
newDEFSVOP
newFORM
newFOROP[5.013007]
newGIVENOP[5.009003]
newGIVWHENOP
newGP
newGVOP
newGVREF
newGVgen_flags[5.015004]
newGVgen
newHVREF
newHVhv[5.005000]
newHV
newIO
newLISTOP
newLOGOP
newLOOPEX
newLOOPOP
newMADPROP
newMADsv
newMYSUB[5.017004]
newNULLLIST
newOP
newPADOP
newPMOP
newPROG
newPVOP
newRANGE
newRV_inc[5.004000][p
newRV_noinc[5.004000][p
newRV
newSLICEOP
newSTATEOP
newSTUB
newSUB
newSVOP
newSVREF
newSV_type[5.009005][p
newSVhek[5.009003]
newSViv
newSVnv
pad_findmy_pvs||5.015001|
pad_findmy_pv||5.015001|
pad_findmy_sv||5.015001|
pad_fixup_inner_anons|||
pad_free|||
pad_leavemy|||
pad_new||5.008001|
pad_peg||n
pad_push|||
pad_reset|||
pad_setsv|||
pad_sv|||
pad_swipe|||
pad_tidy||5.008001|
padlist_dup|||
padlist_store|||
parse_arithexpr||5.013008|
parse_barestmt||5.013007|
parse_block||5.013007|
parse_body|||
parse_fullexpr||5.013008|
parse_fullstmt||5.013005|
parse_ident|||
parse_label||5.013007|
parse_listexpr||5.013008|
parse_lparen_question_flags|||
parse_stmtseq||5.013006|
parse_termexpr||5.013008|
parse_unicode_opts|||
parser_dup|||
parser_free_nexttoke_ops|||
parser_free|||
path_is_searchable||n
peep|||
pending_ident|||
perl_alloc_using||n
perl_alloc||n
perl_clone_using||n
perl_clone||n
perl_construct||n
perl_destruct||5.007003\n
perl_free||n
perl_parse||5.006000\n
perl_run||n
pidgone|||
pm_description|||
pmop_dump||5.006000|
pmop_xmldump|||

Open Source Used In CSPC_Collector 2.9.1 3775
pmruntime|||
pmtrans|||
pop_scope|||
populate_iso|||
pregcomp|||5.009005|
pregexec|||
pregfree2|||5.011000|
pregfree|||
prepend_madprops|||
prescan_version|||5.011004|
printf_nocontext|||
process_special_blocks|||
ptr_hash|||
ptr_table_clear|||5.009005|
ptr_table_fetch|||5.009005|
ptr_table_find|||
ptr_table_free|||5.009005|
ptr_table_new|||5.009005|
ptr_table_split|||5.009005|
ptr_table_store|||5.009005|
push_scope|||
put_byte|||
put_latin1_charclass_innards|||
pv_display|||5.006000|
pv_escape|||5.009004|
pv_pretty|||5.009004|
pv_uni_display|||5.007003|
qerror|||
qsortsvu|||
re_compile|||5.009005|
re_croak2|||
re_dup_guts|||
re_intuit_start|||5.019001|
re_intuit_string|||5.006000|
re_op_compile|||
readpipe_override|||
realloc|||5.007002|
reentrant_free|||5.019003|
reentrant_init|||5.019003|
reentrant_retry|||5.019003|
reentrant_size|||5.019003|
ref_array_or_hash|||
refcounted_he_chain_2hv|||
refcounted_he_fetch_pvn|||
refcounted_he_fetch_pvs|||
refcounted_he_fetch_pv|||
refcounted_he_fetch_sv|||
save_aptr
save_ary
save_bool[5.008001]
save_clearsv
save_delete
save_destructor_x[5.006000]
save_destructor[5.006000]
save_freeop
save_freepv
save_freesv
save_generic_pvref[5.006001]
save_generic_svref[5.005030]
save_gp[5.004000]
save_hash
save_hdelete[5.011000]
save_heck_flags
save_heckem_flags[5.011000]
save_heckem[5.004050]
save_hints[5.010001]
save_hptr
save_int
save_iv[5.005000]
save_lines
save_list
save_long
save_magic_flags
save_mortalizesv[5.007001]
save_nogv
save_op[5.005000]
save_padsv_and_mortalize[5.010001]
save_pptr
save_push32ptr[5.010001]
save_pushptr32ptr
save_pushptrptr[5.010001]
save_pushptr[5.010001]
save_re_context[5.006000]
save_scalar_at
save_scalar
save_set_svflags[5.009000]
save_shared_pvref[5.007003]
save_spctr
save_svref
save_vptr[5.006000]
savepvn
savepv[5.009003]
savepv
savesharedpvn[5.009005]
softref2xv
sortcv_stacked
sortcv_xsub
sortcv
sortsv_flags[5.009003]
sortsv[5.007003]
space_join_names_mortal
ss_dup
stack_grow
start_force
start_glob
start_subparse[5.004000]
stdize_locale
strEQ
strGE
strGT
strLE
strLT
strNE
str_to_version[5.006000]
strip_return
strnEQ
strnNE
study_chunk
sub_crush_depth
sublex_done
sublex_push
sublex_start
sv_2bool_flags[5.013006]
sv_2bool
sv_2cv
sv_2i
sv_2iuv_common
sv_2iuv_non_preserve
sv_2iv_flags[5.009001]
sv_2iv
sv_2mortal
sv_2num
sv_2nv_flags[5.013001]
sv_2pv_flags[5.007002]p
sv_2pv_nolen[5.006000]p
sv_2pvmemory_nolen[5.006000]p
sv_2pvbyte[5.006000]p
sv_2pvutf8_nolen[5.006000]
sv_2pvmutf8[5.006000]
sv_2pvm
sv_2uv_flags[5.009001]
sv_2uv[5.004000]p
<table>
<thead>
<tr>
<th>Function</th>
<th>Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>sv_add_arena</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_add_backref</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_backoff</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_bless</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_cat_decode</td>
<td>5.008001</td>
<td></td>
</tr>
<tr>
<td>sv_catpv_flags</td>
<td>5.013006</td>
<td></td>
</tr>
<tr>
<td>sv_catpv_mg</td>
<td>5.004050</td>
<td></td>
</tr>
<tr>
<td>sv_catpv_nomg</td>
<td>5.013006</td>
<td></td>
</tr>
<tr>
<td>sv_catpvf_mg_nocontext</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_catpvf_mg</td>
<td>5.006000</td>
<td>5.004000</td>
</tr>
<tr>
<td>sv_catpvf</td>
<td>5.004000</td>
<td></td>
</tr>
<tr>
<td>sv_catpvv</td>
<td>5.007002</td>
<td></td>
</tr>
<tr>
<td>sv_catpv_mg</td>
<td>5.004050</td>
<td></td>
</tr>
<tr>
<td>sv_catpv_nomg</td>
<td>5.007002</td>
<td></td>
</tr>
<tr>
<td>sv_catpvn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_catpvs_mg</td>
<td>5.013006</td>
<td></td>
</tr>
<tr>
<td>sv_catpvs_nomg</td>
<td>5.013006</td>
<td></td>
</tr>
<tr>
<td>sv_catpvs</td>
<td>5.009003</td>
<td></td>
</tr>
<tr>
<td>sv_catpvn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_catpvn_vn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_catxmlpv</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_catxmlv</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_catxmlsv</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_chop</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_clean_all</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_clean_objs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_clear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_cmp_flags</td>
<td>5.013006</td>
<td></td>
</tr>
<tr>
<td>sv_cmp_locale_flags</td>
<td>5.013006</td>
<td></td>
</tr>
<tr>
<td>sv_cmp_locale</td>
<td>5.004000</td>
<td></td>
</tr>
<tr>
<td>sv_cmp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_collxfrm_flags</td>
<td>5.013006</td>
<td></td>
</tr>
<tr>
<td>sv_collxfrm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_copyppv_v.flags</td>
<td>5.017002</td>
<td></td>
</tr>
<tr>
<td>sv_copyppv_v_nomg</td>
<td>5.017002</td>
<td></td>
</tr>
<tr>
<td>sv_copyppv_v</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_dec_nomg</td>
<td>5.013002</td>
<td></td>
</tr>
<tr>
<td>sv_dec</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv_del_backref</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sv-derived_from_pvn</td>
<td>5.015004</td>
<td></td>
</tr>
<tr>
<td>sv-derived_from_pv</td>
<td>5.015004</td>
<td></td>
</tr>
<tr>
<td>sv-derived_from_sv</td>
<td>5.015004</td>
<td></td>
</tr>
<tr>
<td>sv-derived_from</td>
<td></td>
<td>5.004000</td>
</tr>
</tbody>
</table>
if (exists $opt{'list-unsupported'}) {
    my $f;
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless SAPI{$f}{todo};
        print "$f", ":", format_version(SAPI{$f}{todo}), "\n";
    }
}
# Scan for possible replacement candidates

my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;
my ($hint, $define, $function);

sub find_api
{
    my $code = shift;
    $code =~ s{
```perl
$define = [S1, S2] if m{^\s*$\d#s*define\s+(\w+)(?:\(([^)]+)\))?\s+(.*)};

if ($function) {
    if (?^) {
        if (exists $API{$function->[0]}) {
            my @n = find_api($function->[1]);
            push @{$depends{$function->[0]}}, @n if @n
        }
        undef $function;
    }
    else {
        $function->[1] .= ";
    }
}

$function = [S1, ""] if m{^DPPP_\(my_\((w+)\)\)};

$replace   = S1 if m{^\s*$rcs\s+Replace:\s+(\d+)\s+\$rcce\s+\$};
$replace{S2} = S1 if $replace and m{^\s*$\d#s*define\s+(\w+)\s+(\w+)\s+\$rcce\s+$};
$replace{S2} = S1 if m{^\s*$\d#s*define\s+(\w+)\s+(\w+)\s+\$rcce\s+$rcce\s+Replace\s+\$rcce\s+\$};
$replace{S1} = S2 if m{^\s*$rcs\s+Replace \(w+\) with \(w+\)\s+\$rcce\s+\$};

if (m{^\s*$rcs\s+(\w+(\s*,\w+)*)\s+\$rcce\s+\$}) {
    my @deps = map { s/\s+///g; S_ } split ",", $3;
    my $d;
    for $d (map { s/\s+///g; S_ } split ",", $1) {
        push @{$depends{$d}}, @deps;
    }
}

$need{S1} = 1 if m{^\d#s+defined\(\$rcce\s+(\w+)\)\s+\$rcce\s+\$};

for (values %depends) {
    my %s;
    $=_ = [sort grep !$s{$_}++, @$_];
}

if (exists $opt{\'api-info\'}) {
    my $f;
    my $count = 0;
    my $match = $opt{\'api-info\'} =~ m!/\(.*\)/! ? $1 : "\Q$opt{\'api-info\'}\E$";
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $f =~ /$match/;
        print "\n== $f ==\n\n";
        my $info = 0;
        if ($API{$f}{base} || $API{$f}{todo}) {
            my $base = format_version($API{$f}{base} || $API{$f}{todo});
        }
    }
}
```

print "Supported at least starting from perl-$base.
"; $info++;}
if ($API->{$f}{provided}) {
my $todo = $API->{$f}{todo} ? format_version($API->{$f}{todo}) : "5.003";
print "Support by $ppport provided back to perl-$todo.
";
print "Support needs to be explicitly requested by NEED_$f.
" if exists $need{$f};
print "Depends on: \n" if exists $depends{$f};
print "\nWarning: \n" if exists $warnings{$f};
print "$hints{$f}" if exists $hints{$f}; $info++;
}
print "No portability information available.\n" unless $info; $count++;
}
$count or print "Found no API matching \n"; print "\n";
exit 0;
}
if (exists $opt{'list-provided'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API->{$f}{provided};
my @flags;
push @flags, 'explicit' if exists $need{$f};
push @flags, 'depend'  if exists $depends{$f};
push @flags, 'hint'    if exists $hints{$f};
push @flags, 'warning' if exists $warnings{$f};
my $flags = @flags ? '['.join(', ', @flags).']' : "";
print "$flags\n";
}
exit 0;
}
my @files;
my @srcext = qw( .xs .c .h .cc -c.inc -xs.inc );
my $srcext = join '|', map { quotemeta $_ } @srcext;
if (@ARGV) {
my %seen;
for (@ARGV) {
if (-e) {
if (-f) {
push @files, $_ unless $seen{$_}++; 
} else { warn "\n" }
}
else {
my @new = grep { -f } glob $_
or warn "'$_' does not exist.\n";
push @files, grep { !$seen{$_}++ } @new;
}
}
}
else {
eval {
require File::Find;
File::Find::find(sub {
$File::Find::name =~ /($srcext)$/i
and push @files, $File::Find::name;
}, '.');
};
if ($@) {
@files = map { glob "*$_" } @srcext;
}
}
if (!@ARGV || $opt{filter}) {
my(@in, @out);
my %xsc = map { /(.*)\.xs$/ ? ("$1.c" => 1, "$1.cc" => 1) : () } @files;
for (@files) {
my $out = exists $xsc{$_} || /\b\Q$ppport\E$/i || !/($srcext)$/i;
push @{ $out ? \@out : \@in }, $_;
}
if (@ARGV && @out) {
warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
}
@files = @in;
}
die "No input files given!\n" unless @files;
my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;
for $filename (@files) {
unless (open IN, "<$filename") {
warn "Unable to read from $filename: $!\n";
next;
}
info("Scanning $filename ...");

Open Source Used In CSPC_Collector 2.9.1 3792


my $c = do { local $/; <IN> }

close IN;

my %file = (orig => $c, changes => 0);

# Temporarily remove C/XS comments and strings from the code
my @ccom;
$c =~ s{
  ( ^[$HS]*[$HS*include[^
]*\b(?:$ppport|XSUB\.h)[^\r
]*)
  | ( ^[$HS*[^\r
]*
  | ^['"][^'\"]*'
  | "[^"\\]*(?:\\.[^"\\]*)*
  | / (?: \*[^\*]*\*+(?:[^$ccs]\[^*]*\*+)* / | /[^\r
]* )
  )
} { defined $2 and push @ccom, $2;
  defined $1 ? $1 : "$ccs$#ccom$cce" }mgsex;

$file{ccom} = \@ccom;
$file{code} = $c;
$file{has_inc_ppport} = $c =~ /*[$HS*[$HS*include[^\r
]+\b\Q$ppport\E\b[^\r
]*
  | ( ^[$HS*[^\r
]*
  | "[^"\"]*"'
  | ^['"][^'\"]*
  | "[^"\\]*(?:\\.[^"\\]*)*" / (?: \*[^\*]*\*+(?:[^$ccs]\[^*]*\*+)* / | /[^\r
]* )
} { defined $2 and push @ccom, $2;
  defined $1 ? "$ccs$#ccom$cce" }mgsex;

for $func (keys %API) {
  my $match = $func;
  $match = "\$revreplace\$func" if exists $revreplace{$func};
  if ($c =~ Ab(\?Perl_)?($match)\b) {
    $file{uses_replace}{$1}++ if exists $revreplace{$func} &\& $1 eq $revreplace{$func};
    $file{uses_Perl}{$func}++ if $c =~ /AbPerl_\$func\b/;
    if (exists $API{$func}{provided}) {
      $file{uses_provided}{$func}++;
      if (!exists $API{$func}{base} || $API{$func}{base} > $opt{compat-version}) { $file{uses}{$func}++;
        my @deps = rec_depend($func);
        if (@deps) {
          $file{uses_deps}{$func} = \@deps;
          for (@deps) {
            $file{uses}{$_} = 0 unless exists $file{uses}{$_};
          }
        }
        for ($func, @deps) {
          $file{needs}{$_} = 'static' if exists $need{$_};
        }
      }
      if (exists $API{$func}{todo} &\& $API{$func}{todo} > $opt{compat-version}) {
        if ($c =~ /Ab\$func\b/) {
while ($c =~ /^$HS*#$HS*define$HS+(NEED_\(w+\)\(_GLOBAL\)?)\b/mg) {
  if (exists $need{\$2}) {
    $file{defined $3 ? 'needed_global' : 'needed_static'}{\$2}++;
  } else { warning("Possibly wrong #define $1 in $filename") }
}
for (qw(uses needs uses_todo needed_global needed_static)) {
  for $func (keys %{$file{$_}}) {
    push @{$global{$_}{$func}}, $filename;
  }
}
$files{$filename} = \%{$file};

# Globally resolve NEED_\'_s
my $need;
for $need (keys %{$global{needs}}) {
  if (@{$global{needs}{$need}} > 1) {
    my @targets = @{$global{needs}{$need}};
    my @t = grep $files{\_}{needed_global}{$need}, @targets;
    @targets = @t if @t;
    @t = grep /xs$/i, @targets;
    @targets = @t if @t;
    my $target = shift @targets;
    $files{$target}{needs}{$need} = 'global';
    for (@{$global{needs}{$need}}) {
      $files{$_}{needs}{$need} = 'extern' if $_ ne $target;
    }
  }
}
for $filename (@files) {
  exists $files{$filename} or next;
  info("=== Analyzing $filename ===");
  my %file = %{$files{$filename}};
  my $func;
  my $c = $file{code};
  my $warnings = 0;
for $func (sort keys %{$file{uses_Perl}}) {
  if ($API{$func}{varargs}) {
    unless ($API{$func}{nothxarg}) {
      my $changes = ($c =~ s{\b(Perl_$func\s*\(\s*)(?!aTHX_?)(?![aTHX_]*)(?!\(\^s\)?)(?!\^s\))/\$\s*)\$\s*}$1 . ($2 eq ')' ? 'aTHX' : 'aTHX_') . $2 }ge);
      if ($changes) {
        warning("Doesn't pass interpreter argument aTHX to Perl_$func");
        $file{changes} += $changes;
      }
    } else {
      warning("Uses Perl_$func instead of $func");
      $file{changes} += ($c =~ s{\bPerl_$func\s*\(\s*?\s*} {$func$1()}g);
    }
  }
}

for $func (sort keys %{$file{uses_replace}}) {
  warning("Uses $func instead of $replace{$func}");
  $file{changes} += ($c =~ s/$func/$replace{$func}/g);
}

for $func (sort keys %{$file{uses_provided}}) {
  if ($file{uses}{$func}) {
    if (exists $file{uses_deps}{$func}) {
      diag("Uses $func, which depends on ", join(', ', @{$file{uses_deps}{$func}}));
    } else {
      diag("Uses $func");
    }
  }
  $warnings += hint($func);
}

unless ($opt{quiet}) {
  for $func (sort keys %{$file{uses_todo}}) {
    print "*** WARNING: Uses $func, which may not be portable below perl ",
        format_version($API{$func}{todo}), ", even with 'ppport'\n";
    $warnings++;
  }
}

for $func (sort keys %{$file{needed_static}}) {
  my $message = ";
  if (not exists $file{uses}{$func}) {
    $message = "No need to define NEED_$func if $func is never used";
  }

elsif (exists $file{needs}[$func] && $file{needs}[$func] ne 'static') {
    $message = "No need to define NEED_${func} when already needed globally";
}
if ($message) {
    diag($message);
    $file{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_${func}_GLOBAL\b.*$LF//mg);
}
}

for $func (sort keys %{$file{needed_global}}) {
    my $message = ";
    if (not exists $global{uses}[$func]) {
        $message = "No need to define NEED_${func}_GLOBAL if $func is never used";
    }
    elsif (exists $file{needs}[$func]) {
        if ($file{needs}[$func] eq 'extern') {
            $message = "No need to define NEED_${func}_GLOBAL when already needed globally";
        }
        elsif ($file{needs}[$func] eq 'static') {
            $message = "No need to define NEED_${func}_GLOBAL when only used in this file";
        }
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_${func}_GLOBAL\b.*$LF//mg);
    }
}

$file{needs_inc_ppport} = keys %{$file{uses}};

if ($file{needs_inc_ppport}) {
    my $pp = ";

    for $func (sort keys %{$file{needs}}) {
        my $type = $file{needs}[$func];
        next if $type eq 'extern';
        my $suffix = $type eq 'global' ? '_GLOBAL' : "",
        unless (exists $file{"needed_${type}"}[$func]) {
            if ($type eq 'global') {
                diag("Files @ [$global{needs}[$func]] need $func, adding global request");
            }
            else {
                diag("File needs $func, adding static request");
            }
            $pp .= "#define NEED_${func}$suffix\n";
        }
    }
}
if ($pp && ($c =~ s/^(?=$HS*#$HS*define$HS+NEED_\w+)/$pp/m)) {
  $pp = "";
  $file{changes}++;}

unless ($file{has_inc_ppport}) {
  diag("Needs to include \$ppport\n");
  $pp = qq(#include \$ppport\n)
}

if ($pp) {
  $file{changes} += ($c =~ s/^(?=$HS*#$HS*define$HS+NEED_\w+.*?\$/\$pp/m)
    || ($c =~ s/^(?=$HS*#$HS*include.*\Q\$ppport\E)/\$pp/m)
    || ($c =~ s/^(?=$HS*#$HS*include.*XSUB.*\s+?)/\$pp/m)
    || ($c =~ s/\$/\$pp/);
}
else {
  if ($file{has_inc_ppport}) {
    diag("No need to include \$ppport\n");
    $file{changes} += ($c =~ s/\$HS*?#$HS*include.*\Q\$ppport\E.*?\LF//m);
  }
}

# put back in our C comments
my $ix;
my $cppc = 0;
my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
  if (!$opt{cplusplus} && $ccom[$ix] =~ s!^//!!) {
    $cppc++;
    $file{changes} += $c =~ s/$rccs$ix$rcce/$ccs$ccom[$ix] $cce/;
  } else {
    $c =~ s/$rccs$ix$rcce/$ccom[$ix]/;
  }
}

if ($cppc) {
  my $s = $cppc != 1 ? 's' : ":");
  warning("Uses $cppc C++ style comment$s, which is not portable");
}

my $s = $warnings != 1 ? 's' : ":");
my $warn = $warnings ? " ($warnings warning$s) : ":");
info("Analysis completed$warn");
if ($file{changes}) {
    if (exists $opt{copy}) {
        my $newfile = "$filename$opt{copy}";
        if (-e $newfile) {
            error("$newfile' already exists, refusing to write copy of '$filename');
        } else {  
            local *F;
            if (open F, ">$newfile") {
                info("Writing copy of '$filename' with changes to '$newfile');
                print F $c;
                close F;
            } else {  
                error("Cannot open '$newfile' for writing: $!'");
            }
        }
    } elsif (exists $opt{patch} || $opt{changes}) {
        if (exists $opt{patch}) {
            unless ($patch_opened) {
                if (open PATCH, ">$opt{patch}") {
                    $patch_opened = 1;
                } else {  
                    error("Cannot open '$opt{patch}' for writing: $!'");
                    delete $opt{patch};
                    $opt{changes} = 1;
                    goto fallback;
                }
            }
            mydiff(
                PATCH, $filename, $c);
        } else {  
            fallback:
            info("Suggested changes;");
            mydiff(
                *STDOUT, $filename, $c);
        }
    } else {  
        my $s = $file{changes} == 1 ? '' : 's';
        info("$file{changes} potentially required change$s detected");
    }
} else {  
    info("Looks good");
}
close PATCH if $patch_opened;

exit 0;

sub try_use { eval "use @_;"; return $@ eq "");

sub mydiff
{
    local *F = shift;
    my($file, $str) = @_;
    my $diff;

    if (exists $opt{diff}) {
        $diff = run_diff($opt{diff}, $file, $str);
    }

    if (!defined $diff and try_use('Text::Diff')) {
        $diff = Text::Diff::diff($file, $str, { STYLE => 'Unified' });
        $diff = <<HEADER . $diff;
        --- $file
        +++ $file.patched
        HEADER
        }

    if (!defined $diff) {
        $diff = run_diff('diff -u', $file, $str);
    }

    if (!defined $diff) {
        $diff = run_diff('diff', $file, $str);
    }

    if (!defined $diff) {
        error("Cannot generate a diff. Please install Text::Diff or use --copy.");
        return;
    }

    print F $diff;
}

sub run_diff
{
    my($prog, $file, $str) = @_;
    my $tmp = 'dppptemp';
    my $suf = 'aaa';
    my $diff = ":
";
local *F;

while (-e "$tmp.$suf") { $suf++ }
$tmp = "$tmp.$suf";

if (open F, ">$tmp") {
    print F $str;
    close F;

    if (open F, "$prog $file $tmp |") {
        while (<F>) {
            s/$Q$tmp\E/$file.patched/;
            $diff .= $_;
        }
        close F;
        unlink $tmp;
        return $diff;
    }
    unlink $tmp;
}
else {
    error("Cannot open '$tmp' for writing: $!");
}
return undef;

sub rec_depend {
    my($func, $seen) = @_;;
    return () unless exists $depends{$func};
    $seen = %{$seen||{}};
    return () if $seen->{$func}++;
    my %s;
    grep !$s{$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}};
}

sub parse_version {
    my $ver = shift;

    if ($ver =~ /^\d+\./) { return ($1, $2, $3); }
    elsif ($ver !~ /^(\d+)\./) { die "cannot parse version '$ver\n"; }
}
$ver =~ s/_//g;
$ver =~ s/$/000000/;

my($r,$v,$s) = $ver =~ /\d+(\.\d{3})\d{3}/;

$v = int $v;
$s = int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
  if ($s % 10) {
    die "cannot parse version '$ver\n";
  }
}

return ($r, $v, $s);

sub format_version
{
  my $ver = shift;

  $ver =~ s/$/000000/;
  my($r,$v,$s) = $ver =~ /\d+(\.\d{3})\d{3}/;

  $v = int $v;
  $s = int $s;

  if ($r < 5 || ($r == 5 && $v < 6)) {
    if ($s % 10) {
      die "invalid version '$ver\n";
    }
    $s /= 10;

    $ver = sprintf "%.03d", $r, $v;
    $s > 0 and $ver .= sprintf ".%02d", $s;

    return $ver;
  }

  return sprintf "%.d.%d.%d", $r, $v, $s;
}

sub info
{
  $opt{quiet} and return;
  print @_, "\n";
}
sub diag
{
$opt{quiet} and return;
$opt{diag} and print @_, "\n";
}
sub warning
{
$opt{quiet} and return;
print "*** ", @_, "\n";
}
sub error
{
print "*** ERROR: ", @_, "\n";
}
my %given_hints;
my %given_warnings;
sub hint
{
$opt{quiet} and return;
my $func = shift;
my $rv = 0;
if (exists $warnings{$func} && !$given_warnings{$func}++) {
my $warn = $warnings{$func};
$warn =~ s!^!*** !mg;
print "*** WARNING: $func\n", $warn;
$rv++;
}
if ($opt{hints} && exists $hints{$func} && !$given_hints{$func}++) {
my $hint = $hints{$func};
$hint =~ s/^/ /mg;
print " --- hint for $func ---\n", $hint;
}
$rv;
}
sub usage
{
my($usage) = do { local(@ARGV,$/)=($0); <> } =~ /^=head\d$HS+SYNOPSIS\s*^(.*?)\s*^=/ms;
my %M = ( 'I' => '*' );
$usage =~ s/^\s*perl\s+\S+/$^X $0/;
$usage =~ s/([A-Z])<([^>]+)>/$M{$1}$2$M{$1}/g;
print <<ENDUSAGE;

Open Source Used In CSPC_Collector 2.9.1 3802


Usage: $usage

See perldoc $0 for details.

ENDUSAGE

exit 2;
}

sub strip
{
    my $self = do { local(@ARGV,$/)=($0); <> }; my($copy) = $self =~ /^=head\d\s+COPYRIGHT\s*\^\.(.*)^\w+/ms; $copy =~ s/^(?=$HS+)/    /gms; $self =~ s/^$HS+Do NOT edit.*?(?=^-)/$copy/ms; $self =~ s/^SKIP.*(?=^__DATA__)/SKIP if (@ARGV && $ARGV[0] eq '--unstrip') { eval { require Devel::PPPort }; \$@ and die "Cannot require Devel::PPPort, please install.\n"; if (eval $Devel::PPPort::VERSION < $VERSION) { die "$0 was originally generated with Devel::PPPort $VERSION.\n" . "Your Devel::PPPort is only version \$Devel::PPPort::VERSION.\n" . "Please install a newer version, or --unstrip will not work.\n"; } Devel::PPPort::WriteFile($0); exit 0; } print <<END;
Sorry, but this is a stripped version of $0.

To be able to use its original script and doc functionality, please try to regenerate this file using:

\$^X $0 --unstrip
END

open OUT, ">$0" or die "cannot strip $0: $!
"
print OUT "$pl$c
";
exit 0;
}

__DATA__
*/

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* deflate.c -- compress data using the deflation algorithm
 * Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* zconf.h -- configuration of the zlib compression library
 * Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* adler32.c -- compute the Adler-32 checksum of a data stream
 * Copyright (C) 1995-2011, 2016 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* trees.c -- output deflated data using Huffman coding
 * Copyright (C) 1995-2017 Jean-loup Gailly
 * detect_data_type() function provided freely by Cosmin Truta, 2006
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):

No license file was found, but licenses were detected in source scan.

=back

Test::Simple will start by printing number of tests run in the form "1..M" (so "1..5" means you're going to run 5 tests). This strange format lets Test::Harness know how many tests you plan on running in case something goes horribly wrong.

If all your tests passed, Test::Simple will exit with zero (which is normal). If anything failed it will exit with how many failed. If you run less (or more) tests than you planned, the missing (or extras) will be considered failures. If no tests were ever run Test::Simple will throw a warning and exit with 255. If the test died, even after having successfully completed all its tests, it will still be considered a failure and will exit with 255.

So the exit codes are...

0 all tests successful
255 test died
any other number how many failed (including missing or extras)

If you fail more than 254 tests, it will be reported as 254.

This module is by no means trying to be a complete testing system. It's just to get you started. Once you're off the ground its recommended you look at L<Test::More>.

=head1 EXAMPLE

Here's an example of a simple .t file for the fictional Film module.

use Test::Simple tests => 5;
use Film;  # What you're testing.

my $btaste = Film->new({ Title => 'Bad Taste',
     Director => 'Peter Jackson',
     Rating => 'R',
     NumExplodingSheep => 1
 });
ok( defined($btaste) && ref $btaste eq 'Film,' new() works);

ok( $btaste->Title      eq 'Bad Taste',        'Title() get');
ok( $btaste->Director   eq 'Peter Jackson',    'Director() get');
ok( $btaste->Rating     eq 'R',                'Rating() get');
ok( $btaste->NumExplodingSheep == 1,           'NumExplodingSheep() get');

It will produce output like this:

1..5
  ok 1 - new() works
  ok 2 - Title() get
  ok 3 - Director() get
  not ok 4 - Rating() get
  # Failed test (t/film.t at line 14)
  ok 5 - NumExplodingSheep() get
  # Looks like you failed 1 tests of 5

Indicating the Film::Rating() method is broken.

=head1 CAVEATS

Test::Simple will only report a maximum of 254 failures in its exit
code. If this is a problem, you probably have a huge test script.
Split it into multiple files. (Otherwise blame the Unix folks for
using an unsigned short integer as the exit status).

Because VMS's exit codes are much, much different than the rest of the
universe, and perl does horrible mangling to them that gets in my way,
it works like this on VMS.

    0     SS$_NORMAL        all tests successful
    4     SS$_ABORT         something went wrong

Unfortunately, I can't differentiate any further.

=head1 NOTES

Test::Simple is B<explicitly> tested all the way back to perl 5.004.
Test::Simple is thread-safe in perl 5.8.0 and up.

=head1 HISTORY

This module was conceived while talking with Tony Bowden in his kitchen one night about the problems I was having writing some really complicated feature into the new Testing module. He observed that the main problem is not dealing with these edge cases but that people hate to write tests at all. What was needed was a dead simple module that took all the hard work out of testing and was really, really easy to learn. Paul Johnson simultaneously had this idea (unfortunately, he wasn't in Tony's kitchen). This is it.

=head1 SEE ALSO

=over 4

=item L<Test::More>

More testing functions! Once you outgrow Test::Simple, look at Test::More. Test::Simple is 100% forward compatible with Test::More (i.e. you can just use Test::More instead of Test::Simple in your programs and things will still work).

=item L<Test>

The original Perl testing module.

=item L<Test::Unit>

Elaborate unit testing.

=item L<Test::Inline>, L<SelfTest>

Embed tests in your code!

=item L<Test::Harness>

Interprets the output of your test program.

=back

=head1 AUTHORS

Idea by Tony Bowden and Paul Johnson, code by Michael G Schwern
E<lt>schwern@pobox.comE<gt>, wardrobe by Calvin Klein.

=head1 COPYRIGHT


This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

See F<http://www.perl.com/perl/misc/Artistic.html>

=cut

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* zutil.h -- internal interface and configuration of the compression library
  * Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler
  * For conditions of distribution and use, see copyright notice in zlib.h
  */

Found in path(s):
No license file was found, but licenses were detected in source scan.

=head1 NAME

Compress::Raw::Zlib - Low-Level Interface to zlib compression library

=head1 SYNOPSIS

use Compress::Raw::Zlib ;

($d, $status) = new Compress::Raw::Zlib::Deflate( [OPT] ) ;
$status = $d->deflate($input, $output) ;
$status = $d->flush($output [, $flush_type]) ;
$d->deflateReset() ;
$d->deflateParams(OPTS) ;
$d->deflateTune(OPTS) ;
$d->dict_adler() ;
$d->crc32() ;
$d->adler32() ;
($i, $status) = new Compress::Raw::Zlib::Inflate( [OPT] ) ;
$status = $i->inflates($input, $output [, $eof]) ;
$status = $i->inflatesSync($input) ;
$i->inflatesReset() ;
$i->dict_adler() ;
$d->crc32() ;
$d->adler32() ;
$i->total_in() ;
$i->total_out() ;
$i->msg() ;
$d->get_BufSize();

$crc = adler32($buffer [, $crc]) ;
$crc = crc32($buffer [, $crc]) ;

$crc = crc32_combine($crc1, $crc2, $len2);
$sadler = adler32_combine($sadler1, $adler2, $len2);

my $version = Compress::Raw::Zlib::zlib_version();
my $flags = Compress::Raw::Zlib::zlibCompileFlags();

=head1 DESCRIPTION

The I<Compress::Raw::Zlib> module provides a Perl interface to the I<zlib> compression library (see L</AUTHOR> for details about where to get I<zlib>).

=head1 Compress::Raw::Zlib::Deflate

This section defines an interface that allows in-memory compression using the I<deflate> interface provided by zlib.

Here is a definition of the interface available:

=head2 $d, $status) = new Compress::Raw::Zlib::Deflate( [OPT] ) >

Initialises a deflation object.

If you are familiar with the I<zlib> library, it combines the features of the I<zlib> functions C<deflateInit>, C<deflateInit2> and C<deflateSetDictionary>.
If successful, it will return the initialised deflation object, C<$d> and a C<$status> of C<Z_OK> in a list context. In scalar context it returns the deflation object, C<$d>, only.

If not successful, the returned deflation object, C<$d>, will be I<undef> and C<$status> will hold the a I<zlib> error code.

The function optionally takes a number of named options specified as C<< Name => value >> pairs. This allows individual options to be tailored without having to specify them all in the parameter list.

For backward compatibility, it is also possible to pass the parameters as a reference to a hash containing the name=>value pairs.

Below is a list of the valid options:

=over 5
=item B<-Level>
Defines the compression level. Valid values are 0 through 9, C<Z_NO_COMPRESSION>, C<Z_BEST_SPEED>, C<Z_BEST_COMPRESSION>, and C<Z_DEFAULT_COMPRESSION>.

The default is C<Z_DEFAULT_COMPRESSION>.

=item B<-Method>
Defines the compression method. The only valid value at present (and the default) is C<Z_DEFLATED>.

=item B<-WindowBits>

To compress an RFC 1950 data stream, set C<WindowBits> to a positive number between 8 and 15.

To compress an RFC 1951 data stream, set C<WindowBits> to C<MAX_WBITS>.

To compress an RFC 1952 data stream (i.e. gzip), set C<WindowBits> to C<WANT_GZIP>.

For a definition of the meaning and valid values for C<WindowBits> refer to the I<zlib> documentation for I<deflateInit2>.

Defaults to C<MAX_WBITS>.

=item B<-MemLevel>
For a definition of the meaning and valid values for `<MemLevel>` refer to the `<zlib>` documentation for `<deflateInit2>`.

Defaults to `MAX_MEM_LEVEL`.

=item B<-Strategy>

Defines the strategy used to tune the compression. The valid values are `<Z_DEFAULT_STRATEGY>`, `<Z_FILTERED>`, `<Z_RLE>`, `<Z_FIXED>` and `<Z_HUFFMAN_ONLY>`.

The default is `<Z_DEFAULT_STRATEGY>`.

=item B<-Dictionary>

When a dictionary is specified `<Compress::Raw::Zlib>` will automatically call `<deflateSetDictionary>` directly after calling `<deflateInit>`. The Adler32 value for the dictionary can be obtained by calling the method `C<$d->dict_adler()>`.

The default is no dictionary.

=item B<-Bufsize>

Sets the initial size for the output buffer used by the `C<$d->deflate>` and `C<$d->flush>` methods. If the buffer has to be reallocated to increase the size, it will grow in increments of `C<Bufsize>`.

The default buffer size is 4096.

=item B<-AppendOutput>

This option controls how data is written to the output buffer by the `C<$d->deflate>` and `C<$d->flush>` methods.

If the `C<AppendOutput>` option is set to false, the output buffers in the `C<$d->deflate>` and `C<$d->flush>` methods will be truncated before uncompressed data is written to them.

If the option is set to true, uncompressed data will be appended to the output buffer in the `C<$d->deflate>` and `C<$d->flush>` methods.

This option defaults to false.

=item B<-CRC32>
If set to true, a crc32 checksum of the uncompressed data will be calculated. Use the C<$d-E<gt>crc32> method to retrieve this value.

This option defaults to false.

=item B<-ADLER32>

If set to true, an adler32 checksum of the uncompressed data will be calculated. Use the C<$d-E<gt>adler32> method to retrieve this value.

This option defaults to false.

=back

Here is an example of using the C<Compress::Raw::Zlib::Deflate> optional parameter list to override the default buffer size and compression level. All other options will take their default values.

```perl
my $d = new Compress::Raw::Zlib::Deflate ( -Bufsize => 300, -Level => Z_BEST_SPEED ) ;
```

=head2 B<$status = $d-E<gt>deflate($input, $output)>

Deflates the contents of C<$input> and writes the compressed data to C<$output>.

The C<$input> and C<$output> parameters can be either scalars or scalar references.

When finished, C<$input> will be completely processed (assuming there were no errors). If the deflation was successful it writes the deflated data to C<$output> and returns a status value of C<Z_OK>.

On error, it returns a I<zlib> error code.

If the C<AppendOutput> option is set to true in the constructor for the C<$d> object, the compressed data will be appended to C<$output>. If it is false, C<$output> will be truncated before any compressed data is written to it.

B<Note>: This method will not necessarily write compressed data to C<$output> every time it is called. So do not assume that there has been an error if the contents of C<$output> is empty on returning from this method. As long as the return code from the method is C<Z_OK>, the deflate has succeeded.

=head2 B<$status = $d-E<gt>flush($output [, $flush_type]) >
Typically used to finish the deflation. Any pending output will be written to $output.

Returns $Z_OK if successful.

Note that flushing can seriously degrade the compression ratio, so it should only be used to terminate a decompression (using $Z_FINISH) or when you want to create a full flush point (using $Z_FULL_FLUSH).

By default the $flush_type used is $Z_FINISH. Other valid values for $flush_type are $Z_NO_FLUSH, $Z_PARTIAL_FLUSH, $Z_SYNC_FLUSH and $Z_FULL_FLUSH. It is strongly recommended that you only set the $flush_type parameter if you fully understand the implications of what it does. See the $zlib documentation for details.

If the $AppendOutput option is set to true in the constructor for the $d object, the compressed data will be appended to $output. If it is false, $output will be truncated before any compressed data is written to it.

=head2 $status = $d->deflateReset()

This method will reset the deflation object $d. It can be used when you are compressing multiple data streams and want to use the same object to compress each of them. It should only be used once the previous data stream has been flushed successfully, i.e. a call to << $d->flush($Z_FINISH) >> has returned $Z_OK.

Returns $Z_OK if successful.

=head2 $status = $d->deflateParams([OPT])

Change settings for the deflate object $d.

The list of the valid options is shown below. Options not specified will remain unchanged.

=over 5
=item $Level
Defines the compression level. Valid values are 0 through 9, $Z_NO_COMPRESSION, $Z_BEST_SPEED, $Z_BEST_COMPRESSION, and $Z_DEFAULT_COMPRESSION.

=item $Strategy
 Defines the strategy used to tune the compression. The valid values are
C<Z_DEFAULT_STRATEGY>, C<Z_FILTERED> and C<Z_HUFFMAN_ONLY>.

=item B<-BufSize>

Sets the initial size for the output buffer used by the C<$d-E<gt>deflate>
and C<$d-E<gt>flush> methods. If the buffer has to be
reallocated to increase the size, it will grow in increments of
C<Bufsize>.

=back

=head2 B<$status = $d-E<gt>deflateTune($good_length, $max_lazy, $nice_length, $max_chain)>

Tune the internal settings for the deflate object C<$d>. This option is
only available if you are running zlib 1.2.2.3 or better.

Refer to the documentation in zlib.h for instructions on how to fly
C<deflateTune>.

=head2 B<$d-E<gt>dict_adler()>  

Returns the adler32 value for the dictionary.

=head2 B<$d-E<gt>crc32()>  

Returns the crc32 value for the uncompressed data to date.

If the C<CRC32> option is not enabled in the constructor for this object,
this method will always return 0;

=head2 B<$d-E<gt>adler32()>  

Returns the adler32 value for the uncompressed data to date.

=head2 B<$d-E<gt>msg()>  

Returns the last error message generated by zlib.

=head2 B<$d-E<gt>total_in()>  

Returns the total number of bytes uncompressed bytes input to deflate.

=head2 B<$d-E<gt>total_out()>  

Returns the total number of compressed bytes output from deflate.

=head2 B<$d-E<gt>get_Strategy()>
Returns the deflation strategy currently used. Valid values are
C<Z_DEFAULT_STRATEGY>, C<Z_FILTERED> and C<Z_HUFFMAN_ONLY>.

=head2 \$d-E<gt>get_Level()

Returns the compression level being used.

=head2 \$d-E<gt>get_BufSize()

Returns the buffer size used to carry out the compression.

=head2 Example

Here is a trivial example of using C<deflate>. It simply reads standard
input, deflects it and writes it to standard output.

    use strict ;
    use warnings ;
    use Compress::Raw::Zlib ;
    binmode STDIN;
    binmode STDOUT;
    my $x = new Compress::Raw::Zlib::Deflate
        or die "Cannot create a deflation stream\n"
    ;

    my ($output, $status) ;
    while (<>)
    { $status = $x->deflate($_, $output) ;

        $status == Z_OK
            or die "deflation failed\n"
        ;

        print $output ;
    }

    $status = $x->flush($output) ;

    $status == Z_OK
        or die "deflation failed\n"
    ;

    print $output ;

=head1 Compress::Raw::Zlib::Inflate

This section defines an interface that allows in-memory uncompression using
the I<inflate> interface provided by zlib.
Here is a definition of the interface:

```perl
=head2 ($i, $status) = new Compress::Raw::Zlib::Inflate( [OPT] )
```

Initialises an inflation object.

In a list context it returns the inflation object, \$i, and the \$zlib status code (\$status). In a scalar context it returns the inflation object only.

If successful, \$i will hold the inflation object and \$status will be \$Z_OK.

If not successful, \$i will be \$undef and \$status will hold the \$zlib error code.

The function optionally takes a number of named options specified as \<<Name => value>> pairs. This allows individual options to be tailored without having to specify them all in the parameter list.

For backward compatibility, it is also possible to pass the parameters as a reference to a hash containing the \<<name=>value>> pairs.

Here is a list of the valid options:

=over 5
=item B<-WindowBits>
To uncompress an RFC 1950 data stream, set \$WindowBits to a positive number between 8 and 15.

To uncompress an RFC 1951 data stream, set \$WindowBits to \$MAX_WBITS.

To uncompress an RFC 1952 data stream (i.e. gzip), set \$WindowBits to \$WANT_GZIP.

To auto-detect and uncompress an RFC 1950 or RFC 1952 data stream (i.e. gzip), set \$WindowBits to \$WANT_GZIP_OR_ZLIB.

For a full definition of the meaning and valid values for \$WindowBits refer to the \$zlib documentation for \$inflateInit2.

Defaults to \$MAX_WBITS.

=item B<-Bufsize>
Sets the initial size for the output buffer used by the `inflate` method. If the output buffer in this method has to be reallocated to increase the size, it will grow in increments of `Bufsize`.

Default is 4096.

=item B<-Dictionary>

The default is no dictionary.

=item B<-AppendOutput>

This option controls how data is written to the output buffer by the `inflate` method.

If the option is set to false, the output buffer in the `inflate` method will be truncated before uncompressed data is written to it.

If the option is set to true, uncompressed data will be appended to the output buffer by the `inflate` method.

This option defaults to false.

=item B<-CRC32>

If set to true, a crc32 checksum of the uncompressed data will be calculated. Use the `crc32` method to retrieve this value.

This option defaults to false.

=item B<-ADLER32>

If set to true, an adler32 checksum of the uncompressed data will be calculated. Use the `adler32` method to retrieve this value.

This option defaults to false.

=item B<-ConsumeInput>

If set to true, this option will remove compressed data from the input buffer of the `deflate` method as the deflate progresses.

This option can be useful when you are processing compressed data that is embedded in another file/buffer. In this case the data that immediately follows the compressed stream will be left in the input buffer.

This option defaults to true.
The `LimitOutput` option changes the behavior of the `inflate` method so that the amount of memory used by the output buffer can be limited.

When `LimitOutput` is used the size of the output buffer used will either be the value of the `Bufsize` option or the amount of memory already allocated to `$output`, whichever is larger. Predicting the output size available is tricky, so don't rely on getting an exact output buffer size.

When `LimitOutput` is not specified `inflate` will use as much memory as it takes to write all the uncompressed data it creates by uncompressing the input buffer.

If `LimitOutput` is enabled, the `ConsumeInput` option will also be enabled.

This option defaults to false.

See L<The LimitOutput option> for a discussion on why `LimitOutput` is needed and how to use it.

Here is an example of using an optional parameter to override the default buffer size.

```perl
my ($i, $status) = new Compress::Raw::Zlib::Inflate( -Bufsize => 300 ) ;
```

Inflates the complete contents of `$input` and writes the uncompressed data to `$output`. The `$input` and `$output` parameters can either be scalars or scalar references.

Returns `Z_OK` if successful and `Z_STREAM_END` if the end of the compressed data has been successfully reached.

If not successful `$status` will hold the I<zlib> error code.

If the `ConsumeInput` option has been set to true when the `Compress::Raw::Zlib::Inflate` object is created, the `$input` parameter is modified by `inflate`. On completion it will contain what remains of the input buffer after inflation. In practice, this means that when the return status is `Z_OK` the `$input` parameter will contain an empty string, and when the return status is `Z_STREAM_END` the `$input` parameter will contain what (if anything) was stored in the input buffer.
after the deflated data stream.

This feature is useful when processing a file format that encapsulates a compressed data stream (e.g. gzip, zip) and there is useful data immediately after the deflation stream.

If the \texttt{AppendOutput} option is set to true in the constructor for this object, the uncompressed data will be appended to \texttt{Output}. If it is false, \texttt{Output} will be truncated before any uncompressed data is written to it.

The \texttt{Output} parameter needs a bit of explanation.

Prior to version 1.2.0, zlib assumed that there was at least one trailing byte immediately after the compressed data stream when it was carrying out decompression. This normally isn’t a problem because the majority of zlib applications guarantee that there will be data directly after the compressed data stream. For example, both gzip (RFC 1950) and zip both define trailing data that follows the compressed data stream.

The \texttt{Output} parameter only needs to be used if B<all> of the following conditions apply

=over 5

=item 1

You are either using a copy of zlib that is older than version 1.2.0 or you want your application code to be able to run with as many different versions of zlib as possible.

=item 2

You have set the \texttt{WindowBits} parameter to \texttt{-MAX_WBITS} in the constructor for this object, i.e. you are uncompressing a raw deflated data stream (RFC 1951).

=item 3

There is no data immediately after the compressed data stream.

=back

If B<all> of these are the case, then you need to set the \texttt{Output} parameter to true on the final call (and only the final call) to \texttt{inflate}.

If you have built this module with zlib >= 1.2.0, the \texttt{Output} parameter is ignored. You can still set it if you want, but it won’t be used behind the
This method can be used to attempt to recover good data from a compressed data stream that is partially corrupt. It scans `$input` until it reaches either a full flush point or the end of the buffer.

If a full flush point is found, `$Z_OK` is returned and `$input` will be have all data up to the flush point removed. This data can then be passed to the `$inflate` method to be uncompressed.

Any other return code means that a flush point was not found. If more data is available, `$inflateSync` can be called repeatedly with more compressed data until the flush point is found.

Note full flush points are not present by default in compressed data streams. They must have been added explicitly when the data stream was created by calling `Compress::Deflate::flush` with `$Z_FULL_FLUSH`.

This method will reset the inflation object `$i`. It can be used when you are uncompressing multiple data streams and want to use the same object to uncompress each of them.

Returns `$Z_OK` if successful.

Returns the adler32 value for the dictionary.

Returns the crc32 value for the uncompressed data to date.

If the `CRC32` option is not enabled in the constructor for this object, this method will always return 0;

Returns the adler32 value for the uncompressed data to date.

If the `ADLER32` option is not enabled in the constructor for this object, this method will always return 0;

Returns the message.
Returns the last error message generated by zlib.

=head2 $i->total_in()

Returns the total number of bytes compressed bytes input to inflate.

=head2 $i->total_out()

Returns the total number of uncompressed bytes output from inflate.

=head2 $d->get_BufSize()

Returns the buffer size used to carry out the decompression.

=head2 Examples

Here is an example of using C<inflate>.

```perl
use strict;
use warnings;
use Compress::Raw::Zlib;

my $x = new Compress::Raw::Zlib::Inflate()
  or die "Cannot create a inflation stream\n";

my $input = "
binmode STDIN;
binmode STDOUT;

my ($output, $status);
while (read(STDIN, $input, 4096))
{
  $status = $x->inflate($input, $output);

  print $output;

  last if $status != Z_OK;
}

die "inflation failed\n"
  unless $status == Z_STREAM_END;
```

The next example show how to use the C<LimitOutput> option. Notice the use of two nested loops in this case. The outer loop reads the data from the input source - STDIN and the inner loop repeatedly calls C<inflate> until C<$input> is exhausted, we get an error, or the end of the stream is
reached. One point worth remembering is by using the C<LimitOutput> option you also get C<ConsumeInput> set as well - this makes the code below much simpler.

use strict;
use warnings;

use Compress::Raw::Zlib;

my $x = new Compress::Raw::Zlib::Inflate(LimitOutput => 1)
or die "Cannot create a inflation stream\n";

my $input = "";
binmode STDIN;
binmode STDOUT;

my ($output, $status);

OUTER:
while (read(STDIN, $input, 4096))
{
do{
  $status = $x->inflate($input, $output);

  print $output;

  last OUTER unless $status == Z_OK || $status == Z_BUF_ERROR;
}while ($status == Z_OK && length $input);
}

die "inflation failed\n" unless $status == Z_STREAM_END;

=head1 CHECKSUM FUNCTIONS

Two functions are provided by I<zlib> to calculate checksums. For the Perl interface, the order of the two parameters in both functions has been reversed. This allows both running checksums and one off calculations to be done.

$cr = adler32($buffer [,Scrc]);
$cr = crc32($buffer [,Scrc]);

The buffer parameters can either be a scalar or a scalar reference.
If the $crc parameters is C<undef>, the crc value will be reset.

If you have built this module with zlib 1.2.3 or better, two more CRC-related functions are available.

```perl
$crc = crc32_combine($crc1, $crc2, $len2);
$adler = adler32_combine($adler1, $adler2, $len2);
```

These functions allow checksums to be merged. Refer to the I<zlib> documentation for more details.

=head1 Misc

=head2 my $version = Compress::Raw::Zlib::zlib_version();

Returns the version of the zlib library.

=head2 my $flags = Compress::Raw::Zlib::zlibCompileFlags();

Returns the flags indicating compile-time options that were used to build the zlib library. See the zlib documentation for a description of the flags returned by C<zlibCompileFlags>.

Note that when the zlib sources are built along with this module the C<sprintf> flags (bits 24, 25 and 26) should be ignored.

If you are using zlib 1.2.0 or older, C<zlibCompileFlags> will return 0.

=head1 The LimitOutput option.

By default C<< $i->inflate($input, $output) >> will uncompress I<all> data in C<$input> and write I<all> of the uncompressed data it has generated to C<$output>. This makes the interface to C<inflate> much simpler - if the method has uncompressed C<$input> successfully I<all> compressed data in C<$input> will have been dealt with. So if you are reading from an input source and uncompressing as you go the code will look something like this

```perl
use strict ;
use warnings ;
use Compress::Raw::Zlib;

my $x = new Compress::Raw::Zlib::Inflate()
    or die "Cannot create a inflation stream\n" ;

my $input = '' ;

my ($output, $status) ;
```
while (read(STDIN, $input, 4096))
{
    $status = $x->inflate($input, $output) ;

    print $output ;

    last if $status != Z_OK ;
}

die "inflation failed'\n" unless $status == Z_STREAM_END ;

The points to note are

=over 5

=item *

The main processing loop in the code handles reading of compressed data from STDIN.

=item *

The status code returned from C<inflate> will only trigger termination of the main processing loop if it isn't C<Z_OK>. When C<LimitOutput> has not been used the C<Z_OK> status means that the end of the compressed data stream has been reached or there has been an error in uncompression.

=item *

After the call to C<inflate> I<all> of the uncompressed data in C<$input> will have been processed. This means the subsequent call to C<read> can overwrite it's contents without any problem.

=back

For most use-cases the behavior described above is acceptable (this module and it's predecessor, C<Compress::Zlib>, have used it for over 10 years without an issue), but in a few very specific use-cases the amount of memory required for C<$output> can prohibitively large. For example, if the compressed data stream contains the same pattern repeated thousands of times, a relatively small compressed data stream can uncompress into hundreds of megabytes. Remember C<inflate> will keep allocating memory until I<all> the uncompressed data has been written to the output buffer - the size of C<$output> is unbounded.

The C<LimitOutput> option is designed to help with this use-case.
The main difference in your code when using C<LimitOutput> is having to deal with cases where the C<$input> parameter still contains some uncompressed data that C<inflate> hasn't processed yet. The status code returned from C<inflate> will be C<Z_OK> if uncompression took place and C<Z_BUF_ERROR> if the output buffer is full.

Below is typical code that shows how to use C<LimitOutput>.

```
use strict;
use warnings;
use Compress::Raw::Zlib;

my $x = new Compress::Raw::Zlib::Inflate(LimitOutput => 1) or die "Cannot create a inflation stream\n";

my $input = "";
binmode STDIN;
binmode STDOUT;

my ($output, $status);

OUTER:
while (read(STDIN, $input, 4096))
{
    do
    {
        $status = $x->inflate($input, $output);

        print $output;

        last OUTER unless $status == Z_OK || $status == Z_BUF_ERROR;
    }
    while ($status == Z_OK && length $input);
}

die "inflation failed\n" unless $status == Z_STREAM_END;
```

Points to note this time:

=over 5
=item *

There are now two nested loops in the code: the outer loop for reading the compressed data from STDIN, as before; and the inner loop to carry out the
There are two exit points from the inner uncompression loop.

Firstly when C<inflate> has returned a status other than C<Z_OK> or C<Z_BUF_ERROR>. This means that either the end of the compressed data stream has been reached (C<Z_STREAM_END>) or there is an error in the compressed data. In either of these cases there is no point in continuing with reading the compressed data, so both loops are terminated.

The second exit point tests if there is any data left in the input buffer, C<$input> - remember that the C<ConsumeInput> option is automatically enabled when C<LimitOutput> is used. When the input buffer has been exhausted, the outer loop can run again and overwrite a now empty C<$input>.

=head1 ACCESSING ZIP FILES

Although it is possible (with some effort on your part) to use this module to access .zip files, there are other perl modules available that will do all the hard work for you. Check out C<Archive::Zip>, C<Archive::Zip::SimpleZip>, C<IO::Compress::Zip> and C<IO::Uncompress::Unzip>.

=head1 FAQ

=head2 Compatibility with Unix compress/uncompress.

This module is not compatible with Unix C<compress>.

If you have the C<uncompress> program available, you can use this to read compressed files

    open F, "uncompress -c $filename ";
    while (<F>)
    {
      ...
    
Alternatively, if you have the C<gunzip> program available, you can use this to read compressed files

    open F, "gunzip -c $filename ";
    while (<F>)
    {

and this to write compress files, if you have the C<compress> program available

    open F, "| compress -c $filename ";
    print F "data"
    ...
    close F;

=head2 Accessing .tar.Z files

See previous FAQ item.

If the C<Archive::Tar> module is installed and either the C<uncompress> or C<gunzip> programs are available, you can use one of these workarounds to read C<.tar.Z> files.

Firstly with C<uncompress>

    use strict;
    use warnings;
    use Archive::Tar;

    open F, "uncompress -c $filename ";
    my $tar = Archive::Tar->new(*F);
    ...

and this with C<gunzip>

    use strict;
    use warnings;
    use Archive::Tar;

    open F, "gunzip -c $filename ";
    my $tar = Archive::Tar->new(*F);
    ...

Similarly, if the C<compress> program is available, you can use this to write a C<.tar.Z> file

    use strict;
    use warnings;
    use Archive::Tar;
    use IO::File;

    my $fh = new IO::File "| compress -c >$filename";
    my $tar = Archive::Tar->new;
$tar->write($fh);
$fh->close;

=head2 Zlib Library Version Support

By default C<Compress::Raw::Zlib> will build with a private copy of version
1.2.5 of the zlib library. (See the F<README> file for details of
how to override this behaviour)

If you decide to use a different version of the zlib library, you need to be
aware of the following issues

=over 5
=item *

First off, you must have zlib 1.0.5 or better.

=item *

You need to have zlib 1.2.1 or better if you want to use the C<-Merge>
option with C<IO::Compress::Gzip>, C<IO::Compress::Deflate> and
C<IO::Compress::RawDeflate>.

=back

=head1 CONSTANTS

All the I<zlib> constants are automatically imported when you make use
of I<Compress::Raw::Zlib>.

=head1 SEE ALSO

L<Compress::Zlib>, L<IO::Compress::Gzip>, L<IO::Uncompress::Gunzip>, L<IO::Compress::Deflate>,
L<IO::Uncompress::Inflate>, L<IO::Compress::RawDeflate>, L<IO::Uncompress::RawInflate>,
L<IO::Compress::Bzip2>, L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>,
L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>, L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>,
L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>, L<IO::Uncompress::UnLzf>,
L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>

L<IO::Compress::FAQ|IO::Compress::FAQ>

L<File::GlobMapper|File::GlobMapper>, L<Archive::Zip|Archive::Zip>,
L<Archive::Tar|Archive::Tar>,
L<IO::Zlib|IO::Zlib>

For RFC 1950, 1951 and 1952 see
The I<zlib> compression library was written by Jean-loup Gailly
C<gzip@prep.ai.mit.edu> and Mark Adler C<madler@alumni.caltech.edu>.

The primary site for the I<zlib> compression library is

The primary site for gzip is L<http://www.gzip.org>.

=head1 AUTHOR

This module was written by Paul Marquess, C<pmqs@cpan.org>.

=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

Found in path(s):

No license file was found, but licenses were detected in source scan.

Compress-Raw-Zlib

Version 2.081

4 April 2018

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.
This program is free software; you can redistribute it
and/or modify it under the same terms as Perl itself.

The directory zlib-src contains a subset of the
source files copied directly from zlib version 1.2.11.
These files are Copyright(C) 1995-2017
Jean-loup Gailly and Mark Adler.
Full source for the zlib library is available at
DESCRIPTION
-----------

This module provides a Perl interface to the zlib compression library.

PREREQUISITES
------------

Before you can build Compress-Raw-Zlib you need to have the following
installed on your system:

* A C compiler
* Perl 5.006 or better.

By default, Compress-Raw-Zlib will build its own private copy of the
zlib library. If you want to use a different version of
zlib, follow the instructions in the section called
"Controlling the version of zlib used by Compress-Raw-Zlib"
later in this document.

BUILDING THE MODULE
-------------------

Assuming you have met all the prerequisites, the module can now be built
using this sequence of commands:

perl Makefile.PL
make
make test

INSTALLATION
------------

To install Compress-Raw-Zlib, run the command below:

make install

Controlling the version of zlib used by Compress-Raw-Zlib
-----------------------------------------------

Compress-Raw-Zlib interfaces to the zlib compression library. There
are three options available to control which version/instance of the
zlib library is used:

1. Build a private copy of the zlib library using the
zlib library source that is included with this module.
This is the default and recommended option.

2. Build a private copy of the zlib library using a standard
zlib source distribution.

3. Use a pre-built zlib library.

Note that if you intend to use either Option 2 or 3, you need to have
zlib version 1.2.0 or better.

The contents of the file config.in are used to control which of the
three options is actually used. This file is read during the

    perl Makefile.PL

step of the build, so remember to make any required changes to config.in
before building this module.

Option 1
--------

For option 1, edit the file config.in and set the variables in it
as follows:

    BUILD_ZLIB   = True
    INCLUDE      = ./zlib-src
    LIB          = ./zlib-src
    OLD_ZLIB     = False
    GZIP_OS_CODE = AUTO_DETECT

Option 2
--------

For option 2, fetch a copy of the zlib source distribution from
http://www.zlib.org and unpack it into the Compress-Raw-Zlib source
directory. Assuming you have fetched zlib 1.2.11,
it will create a directory called zlib-1.2.11.

Now set the variables in the file config.in as follows (if the version
you have fetched isn't 1.2.11, change the INCLUDE and LIB
variables appropriately):

    BUILD_ZLIB   = True
    INCLUDE      = ./zlib-1.2.11
    LIB          = ./zlib-1.2.11
    OLD_ZLIB     = False
    GZIP_OS_CODE = AUTO_DETECT
Option 3
--------

For option 3, you need to find out where zlib is stored on your system. There are two parts to this.

First, find the directory where the zlib library is stored (some common names for the library are libz.a and libz.so). Set the LIB variable in the config.in file to that directory.

Secondly, find the directory where the file zlib.h is stored. Now set the INCLUDE variable in the config.in file to that directory.

Next set BUILD_ZLIB to False.

Finally, if you are running zlib 1.0.5 or older, set the OLD_ZLIB variable to True. Otherwise set it to False.

As an example, if the zlib library on your system is in /usr/local/lib, zlib.h is in /usr/local/include and zlib is more recent than version 1.0.5, the variables in config.in should be set as follows:

    BUILD_ZLIB   = False
    INCLUDE      = /usr/local/include
    LIB          = /usr/local/lib
    OLD_ZLIB     = False
    GZIP_OS_CODE = AUTO_DETECT

Setting the Gzip OS Code
------------------------

Every gzip stream stores a byte in its header to identify the Operating System that was used to create the gzip stream. When you build Compress-Raw-Zlib it will attempt to determine the value that is correct for your Operating System. This will then be used by IO::Compress::Gzip as the default value for the OS byte in all gzip headers it creates.

The variable GZIP_OS_CODE in the config.in file controls the setting of this value when building Compress-Raw-Zlib. If GZIP_OS_CODE is set to AUTO_DETECT, Compress-Raw-Zlib will attempt to determine the correct value for your Operating System.

Alternatively, you can override auto-detection of the default OS code and explicitly set it yourself. Set the GZIP_OS_CODE variable in the config.in file to be a number between 0 and 255. For example
GZIP_OS_CODE = 3

See RFC 1952 for valid OS codes that can be used.

If you are running one of the less popular Operating Systems, it is possible that the default value picked by this module is incorrect or the default value (3) is used when there is a better value available. When Compress-Raw-Zlib cannot determine what operating system you are running, it will use the default value 3 for the OS code.

If you find you have to change this value, because you think the value auto detected is incorrect, please take a few moments to contact the author of this module.

TROUBLESHOOTING

----------

Undefined Symbol gzsetparams

---------------

If you get the error shown below when you run the Compress-Raw-Zlib test harness it probably means you are running a copy of zlib that is version 1.0.5 or older.

t/01version.........Can't load 'blib/arch/auto/Compress/Zlib/Zlib.so' for module Compress::Raw::Zlib: blib/arch/auto/Compress/Raw/Zlib/Zlib.so: undefined symbol: gzsetparams at ...

There are two ways to fix this problem:

1. Upgrade to the latest version of zlib.

2. Edit config.in and set the OLD_ZLIB variable to True.

Test Harness 01version fails

---------------------------

If the 01version test harness fails, and the problem isn't covered by the scenario above, it probably means that you have two versions of zlib installed on your system.

Run the command below to see if this is indeed the case

    make test TEST_VERBOSE=1 TEST_FILES=t/01version.t

Try removing the one you don't want to use and rebuild.

Solaris build fails with "language optional software package not installed"

----------------------------------------------------------
If you are trying to build this module under Solaris and you get an error message like this

/usr/ucb/cc: language optional software package not installed

it means that Perl cannot find the C compiler on your system. The cryptic message is just Sun's way of telling you that you haven't bought their C compiler.

When you build a Perl module that needs a C compiler, the Perl build system tries to use the same C compiler that was used to build perl itself. In this case your Perl binary was built with a C compiler that lived in /usr/ucb.

To continue with building this module, you need to get a C compiler, or tell Perl where your C compiler is, if you already have one.

Assuming you have now got a C compiler, what you do next will be dependent on what C compiler you have installed. If you have just installed Sun's C compiler, you shouldn't have to do anything. Just try rebuilding this module.

If you have installed another C compiler, say gcc, you have to tell perl how to use it instead of /usr/ucb/cc.

This set of options seems to work if you want to use gcc. Your mileage may vary.

perl Makefile.PL CC=gcc CCCDLFLAGS=-fPIC OPTIMIZE=" "
make test

If that doesn't work for you, it's time to make changes to the Makefile by hand. Good luck!

Solaris build fails with "gcc: unrecognized option `-KPIC"

-----------------------------------------------

You are running Solaris and you get an error like this when you try to build this Perl module

gcc: unrecognized option `-KPIC"

This symptom usually means that you are using a Perl binary that has been built with the Sun C compiler, but you are using gcc to build this module.

When Perl builds modules that need a C compiler, it will attempt to use the same C compiler and command line options that was used to build perl
itself. In this case "-KPIC" is a valid option for the Sun C compiler, but not for gcc. The equivalent option for gcc is "-fPIC".

The solution is either:

1. Build both Perl and this module with the same C compiler, either by using the Sun C compiler for both or gcc for both.

2. Try generating the Makefile for this module like this perl

   perl Makefile.PL CC=gcc CCCDLFLAGS=-fPIC OPTIMIZE=" " LD=gcc
   make test

This second option seems to work when mixing a Perl binary built with the Sun C compiler and this module built with gcc. Your mileage may vary.

HP-UX Notes
-----------

I've had a report that when building Compress-Raw-Zlib under HP-UX that it is necessary to have first built the zlib library with the -fpic option.

Linux Notes
-----------

Although most Linux distributions already come with zlib, some people report getting this error when they try to build this module:

$ make
   cp Zlib.pm blib/lib/Compress/Zlib.pm
   AutoSplitting blib/lib/Compress/Zlib.pm (blib/lib/auto/Compress/Zlib)
gcc -c -I/usr/local/include -fno-strict-aliasing -I/usr/local/include -O2 -march=i386 -mcpu=i686 -DVERSION="\"1.16\"" -DXS_VERSION="\"1.16\"" -fPIC -I/usr/lib/perl5/5.6.1/i386-linux/CORE Zlib.c
   Zlib.xs:25:19: zlib.h: No such file or directory
   make: *** [Zlib.o] Error 1

This usually means that you have not installed the development RPM for zlib. Check for an RPM that start with "zlib-devel" in your Linux distribution.

Win32 Notes
-----------

If you are running Activestate Perl (from http://www.activestate.com),
it ships with a pre-compiled version of Compress-Raw-Zlib. To check if a newer version of Compress-Raw-Zlib is available run this from the command prompt

    C:\> ppm verify -upgrade Compress-Raw-Zlib

If you are not running Activestate Perl and you don't have access to a C compiler, you will not be able to build and install this module.

Win32 & Cygwin Notes
---------------------

It is not possible to install Compress-Raw-Zlib using the CPAN shell. This is because the Compress-Raw-Zlib DLL is itself used by the CPAN shell and it is impossible to remove a DLL while it is already loaded under Windows.

The workaround is to install Compress-Raw-Zlib manually using the instructions given at the start of this file.

FEEDBACK
--------

How to report a problem with Compress-Raw-Zlib.

To help me help you, I need all of the following information:

1. The Versions of everything relevant.
   This includes:

   a. The *complete* output from running this

      perl -V

      Do not edit the output in any way.
      Note, I want you to run "perl -V" and NOT "perl -v".

      If your perl does not understand the "-V" option it is too old. This module needs Perl version 5.004 or better.

   b. The version of Compress-Raw-Zlib you have.
      If you have successfully installed Compress-Raw-Zlib, this one-liner will tell you:

      perl -MCompress::Raw::Zlib -e 'print qq[ver $Compress::Raw::Zlib::VERSION\n]'

      If you are running windows use this
perl -MCompress::Raw::Zlib -e "print qq[ver $Compress::Raw::Zlib::VERSION\n];"

If you haven't installed Compress::Raw-Zlib then search Compress::Raw::Zlib.pm for a line like this:

$arrayref = Compress::Raw::Zlib::ZLIB_VERSION

P

c. The version of zlib you have used.
If you have successfully installed Compress::Raw-Zlib, this one-liner will tell you:

perl -MCompress::Raw::Zlib -e "print q[zlib ver ]. Compress::Raw::Zlib::ZLIB_VERSION.qq\n];"

If not, look at the beginning of the file zlib.h.

2. If you are having problems building Compress::Raw-Zlib, send me a complete log of what happened. Start by unpacking the Compress::Raw-Zlib module into a fresh directory and keep a log of all the steps

[edit config.in, if necessary]

perl Makefile.PL
make
make test TEST_VERBOSE=1

Paul Marquess <pmqs@cpan.org>

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* uncompr.c -- decompress a memory buffer
* For conditions of distribution and use, see copyright notice in zlib.h
*/

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* inftrees.h -- header to use inftrees.c
* Copyright (C) 1995-2005, 2010 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
Found in path(s):
No license file was found, but licenses were detected in source scan.

/* deflate.h -- internal compression state
 * Copyright (C) 1995-2016 Jean-loup Gailly
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* infback.c -- inflate using a call-back interface
 * Copyright (C) 1995-2016 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* inffast.c -- fast decoding
 * Copyright (C) 1995-2017 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* zlib.h -- interface of the 'zlib' general purpose compression library
 version 1.2.11, January 15th, 2017

Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.
Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

No license file was found, but licenses were detected in source scan.

/* inffast.h -- header to use inffast.c
 * Copyright (C) 1995-2003, 2010 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

No license file was found, but licenses were detected in source scan.

/* compress.c -- compress a memory buffer
 * Copyright (C) 1995-2005, 2014, 2016 Jean-loup Gailly, Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

No license file was found, but licenses were detected in source scan.
No license file was found, but licenses were detected in source scan.

=head1 EXIT CODES

If all your tests passed, Test::Builder will exit with zero (which is normal). If anything failed it will exit with how many failed. If you run less (or more) tests than you planned, the missing (or extras) will be considered failures. If no tests were ever run Test::Builder will throw a warning and exit with 255. If the test died, even after having successfully completed all its tests, it will still be considered a failure and will exit with 255.

So the exit codes are...

0         all tests successful
255       test died
any other number how many failed (including missing or extras)

If you fail more than 254 tests, it will be reported as 254.

B<NOTE> This behavior may go away in future versions.

=head1 CAVEATS and NOTES

=over 4

=item Backwards compatibility

Test::More works with Perls as old as 5.004_05.

=item Overloaded objects

String overloaded objects are compared B<as strings>. This prevents Test::More from piercing an object's interface allowing better blackbox testing. So if a function starts returning overloaded objects instead of bare strings your tests won't notice the difference. This is good.

However, it does mean that functions like is_deeply() cannot be used to test the internals of string overloaded objects. In this case I would suggest Test::Deep which contains more flexible testing functions for complex data structures.
Threads

Test::More will only be aware of threads if "use threads" has been done
I<before> Test::More is loaded. This is ok:

   use threads;
   use Test::More;

This may cause problems:

   use Test::More
   use threads;

Test::Harness upgrade

no_plan and todo depend on new Test::Harness features and fixes. If
you're going to distribute tests that use no_plan or todo your
end-users will have to upgrade Test::Harness to the latest one on
CPAN. If you avoid no_plan and TODO tests, the stock Test::Harness
will work fine.

Installing Test::More should also upgrade Test::Harness.

HISTORY

This is a case of convergent evolution with Joshua Pritikin's Test
module. I was largely unaware of its existence when I'd first
written my own ok() routines. This module exists because I can't
figure out how to easily wedge test names into Test's interface (along
with a few other problems).

The goal here is to have a testing utility that's simple to learn,
quick to use and difficult to trip yourself up with while still
providing more flexibility than the existing Test.pm. As such, the
names of the most common routines are kept tiny, special cases and
magic side-effects are kept to a minimum. WYSIWYG.

SEE ALSO

L<Test::Simple> if all this confuses you and you just want to write
some tests. You can upgrade to Test::More later (it's forward
compatible).
L<Test> is the old testing module. Its main benefit is that it has been distributed with Perl since 5.004_05.

L<Test::Harness> for details on how your test results are interpreted by Perl.

L<Test::Differences> for more ways to test complex data structures. And it plays well with Test::More.

L<Test::Class> is like XUnit but more perlish.

L<Test::Deep> gives you more powerful complex data structure testing.

L<Test::Unit> is XUnit style testing.

L<Test::Inline> shows the idea of embedded testing.

L<Bundle::Test> installs a whole bunch of useful test modules.

=head1 AUTHORS

Michael G Schwern <lt>schwern@pobox.comE<gt> with much inspiration from Joshua Pritikin's Test module and lots of help from Barrie Slaymaker, Tony Bowden, blackstar.co.uk, chromatic, Fergal Daly and the perl-qa gang.

=head1 BUGS

See F<http://rt.cpan.org> to report and view bugs.

=head1 COPYRIGHT


This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

See F<http://www.perl.com/perl/misc/Artistic.html>

=cut

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* inflate.h -- internal inflate state definition
 * Copyright (C) 1995-2016 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):

No license file was found, but licenses were detected in source scan.

/* inftrees.c -- generate Huffman trees for efficient decoding
 * Copyright (C) 1995-2017 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):

No license file was found, but licenses were detected in source scan.

/* Filename: Zlib.xs
 * Author  : Paul Marquess, <pmqs@cpan.org>
 * Created : 22nd January 1996
 * Version : 2.000
 * *
 * Copyright (c) 1995-2013 Paul Marquess. All rights reserved.
 * This program is free software; you can redistribute it and/or
 * modify it under the same terms as Perl itself.
 * *
 */

/* gzio.c -- IO on .gz files
 * Copyright (C) 1995 Jean-loup Gailly.
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

/* gzappend -- command to append to a gzip file

Copyright (C) 2003 Mark Adler, all rights reserved
version 1.1, 4 Nov 2003
*/

Found in path(s):
No license file was found, but licenses were detected in source scan.

=head1 EXIT CODES

If all your tests passed, Test::Builder will exit with zero (which is normal). If anything failed it will exit with how many failed. If you run less (or more) tests than you planned, the missing (or extras) will be considered failures. If no tests were ever run Test::Builder will throw a warning and exit with 255. If the test died, even after having successfully completed all its tests, it will still be considered a failure and will exit with 255.

So the exit codes are...

0 all tests successful
255 test died
any other number how many failed (including missing or extras)

If you fail more than 254 tests, it will be reported as 254.

=head1 THREADS

In perl 5.8.0 and later, Test::Builder is thread-safe. The test number is shared amongst all threads. This means if one thread sets the test number using current_test() they will all be effected.

Test::Builder is only thread-aware if threads.pm is loaded before Test::Builder.

=head1 EXAMPLES

CPAN can provide the best examples. Test::Simple, Test::More, Test::Exception and Test::Differences all use Test::Builder.

=head1 SEE ALSO

Test::Simple, Test::More, Test::Harness

=head1 AUTHORS

Original code by chromatic, maintained by Michael G Schwern
E<lt>schwern@pobox.comE<gt>

=head1 COPYRIGHT

Copyright 2002, 2004 by chromatic E<lt>chromatic@wgz.orgE<gt> and Michael G Schwern E<lt>schwern@pobox.comE<gt>.
This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

See F<http://www.perl.com/perl/misc/Artistic.html>

=cut

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* zutil.c -- target dependent utility functions for the compression library
 * Copyright (C) 1995-2017 Jean-loup Gailly
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* inflate.c -- zlib decompression
 * Copyright (C) 1995-2016 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

---

abstract: unknown
author:
- unknown
build_requires:
  ExtUtils::MakeMaker: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.1001, CPAN::Meta::Converter version 2.150005'
license: perl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: '1.4'
name: Compress-Raw-Zlib
doctor:
  - t
  - inc
  - t
  - private
requires: {}
version: '2.081'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* crc32.c -- compute the CRC-32 of a data stream
 * For conditions of distribution and use, see copyright notice in zlib.h
 *
 * Thanks to Rodney Brown <rbrown64@csc.com.au> for his contribution of faster
 * CRC methods: exclusive-oring 32 bits of data at a time, and pre-computing
 * tables for updating the shift register in one step with three exclusive-ors
 * instead of four steps with four exclusive-ors. This results in about a
 * factor of two increase in speed on a Power PC G4 (PPC7455) using gcc -O3.
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

License: (GPL+ or Artistic) and zlib

Found in path(s):

---

xml-commons-resolver 1.2
**1.397.1 Available under license:**

**LEGAL NOTICE**

This notice is issued to fulfil the requirements of the Mozilla Public License version 1.0 ("MPL 1.0") sections 3.4(a) and 3.6. MPL 1.0 can be found at [http://www.mozilla.org/MPL/MPL-1.0.html](http://www.mozilla.org/MPL/MPL-1.0.html).

Section 3.4(a) of MPL 1.0 states that any third party intellectual property rights in particular functionality or code must be notified in a text file named LEGAL that is issued with the source code. Saxon includes a number of such third party components, and the relevant claims are included in notices included in the same directory as this notice. Although MPL 1.0 requires this notice to be included only with source code, some of the third parties may also require notices to be included with executable code. Therefore, Saxon executable code must not be distributed separately from this notice and all the accompanying third party notices. The term "Distribution" here includes making the code available for download, and its inclusion in download repositories such as Maven.

Section 3.6 of MPL 1.0 states:

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2.

Section 3.2 requires the Source Code of Covered Code to be made available via an accepted Electronic Distribution Mechanism.

The Source Code version of the Covered Code (that is, the source code of Saxon-B) is available under the terms of the Mozilla Public License version 1.0, and may be obtained from the Subversion repository for the Saxon project on SourceForge, at [https://sourceforge.net/svn/?group_id=29872](https://sourceforge.net/svn/?group_id=29872).

The precise version of the Subversion source for a particular Saxon maintenance release can be determined by referring to the release notes for the particular release in the SourceForge download area.

Note that MPL 1.0 requires that any modifications to this source code must be made available under the terms of the MPL. "to anyone to whom you made an executable version available". As a courtesy, it is also requested that you make such modifications available to Saxonica Limited.

The GNU General Public License (GPL)

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

**Preamble**

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to
guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program
or work, and a "work based on the Program" means either the Program or any
derivative work under copyright law: that is to say, a work containing the
Program or a portion of it, either verbatim or with modifications and/or
translated into another language. (Hereinafter, translation is included
without limitation in the term "modification".) Each licensee is addressed as
"you".

Activities other than copying, distribution and modification are not covered by
this License; they are outside its scope. The act of running the Program is
not restricted, and the output from the Program is covered only if its contents
constitute a work based on the Program (independent of having been made by
running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as
you receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice and
disclaimer of warranty; keep intact all the notices that refer to this License
and to the absence of any warranty; and give any other recipients of the
Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may
at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus
forming a work based on the Program, and copy and distribute such modifications
or work under the terms of Section 1 above, provided that you also meet all of
these conditions:

a) You must cause the modified files to carry prominent notices stating
that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or
in part contains or is derived from the Program or any part thereof, to be
licensed as a whole at no charge to all third parties under the terms of
this License.

c) If the modified program normally reads commands interactively when run,
you must cause it, when started running for such interactive use in the
most ordinary way, to print or display an announcement including an
appropriate copyright notice and a notice that there is no warranty (or
else, saying that you provide a warranty) and that users may redistribute
the program under these conditions, and telling the user how to view a copy
of this License. (Exception: if the Program itself is interactive but does
not normally print such an announcement, your work based on the Program is
not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable
sections of that work are not derived from the Program, and can be reasonably
considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing to
distribute software through any other system and a licensee cannot impose that
choice.

This section is intended to make thoroughly clear what is believed to be a
consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain
countries either by patents or by copyrighted interfaces, the original
copyright holder who places the Program under this License may add an explicit
geographical distribution limitation excluding those countries, so that
distribution is permitted only in or among countries not thus excluded. In
such case, this License incorporates the limitation as if written in the body
of this License.

9. The Free Software Foundation may publish revised and/or new versions of the
General Public License from time to time. Such new versions will be similar in
spirit to the present version, but may differ in detail to address new problems
or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any later
version", you have the option of following the terms and conditions either of
that version or of any later version published by the Free Software Foundation.
If the Program does not specify a version number of this License, you may
choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs
whose distribution conditions are different, write to the author to ask for
permission. For software which is copyrighted by the Free Software Foundation,
write to the Free Software Foundation; we sometimes make exceptions for this.
Our decision will be guided by the two goals of preserving the free status of
all derivatives of our free software and of promoting the sharing and reuse of
software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR
THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE
STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE
PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND
PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE,
YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL
ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR
INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA
BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER
OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible
use to the public, the best way to achieve this is to make it free software
which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach
them to the start of each source file to most effectively convey the exclusion
of warranty; and each file should have at least the "copyright" line and a
pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it
under the terms of the GNU General Public License as published by the Free
Software Foundation; either version 2 of the License, or (at your option)
any later version.

This program is distributed in the hope that it will be useful, but WITHOUT
ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or
FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for
more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc., 59
Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it
starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author Gnomovision comes
with ABSOLUTELY NO WARRANTY; for details type 'show w'. This is free
software, and you are welcome to redistribute it under certain conditions;
type 'show c' for details.
The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989

Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL

Certain source files distributed by Sun Microsystems, Inc. are subject to the following clarification and special exception to the GPL, but only where Sun has expressly included in the particular source file's header the words "Sun designates this particular file as subject to the "Classpath" exception as provided by Sun in the LICENSE file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

Apache XML Commons Resolver
Copyright 2006 The Apache Software Foundation.
This product includes software developed at
The Apache Software Foundation http://www.apache.org/

Portions of this code are derived from classes placed in the
public domain by Arbortext on 10 Apr 2000. See:
http://www.arbortext.com/customer_support/updates_and_technical_notes/catalogs/docs/README.htm
The contents of these file are subject to the Mozilla Public License Version 1.0 (the "License");
you may not use these files except in compliance with the License. You may obtain a copy of the
License at http://www.mozilla.org/MPL/

Software distributed under the License is distributed on an "AS IS" basis,
WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the
specific language governing rights and limitations under the License.

The Original Code is all Saxon modules labelled with a notice referring to this license.

The Initial Developer of the Original Code is Michael Kay, except where otherwise specified in an individual
module.

Portions created by other named contributors are copyright as identified in the relevant module. All Rights
Reserved.

Contributor(s) are listed in the documentation: see notices/contributors.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.398 ncurses 6.1 7.20180224.el8
1.398.1 Available under license :
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *
Licence: X11

Files: aclocal.m4 package
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, distribute with modifications, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE ABOVE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name(s) of the above copyright holders shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization.

-------------------------------------------------------------------------------
Files: install-sh

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
Except as contained in this notice, the name of the X Consortium shall not
be used in advertising or otherwise to promote the sale, use or other deal-
ings in this Software without prior written authorization from the X Consor-
tium.

FSF changes to this file are in the public domain.

Calling this script install-sh is preferred over install.sh, to prevent
`make' implicit rules from creating a file called install from it
when there is no Makefile.

This script is compatible with the BSD install script, but was written
from scratch. It can only install one file at a time, a restriction
shared with many OS's install programs.

On Debian systems, the complete text of the GNU General
Public License can be found in `/usr/share/common-licenses/GPL-2'

-- vile: txtmode file-encoding=utf-8
Copyright (c) 1998-2017,2018 Free Software Foundation, Inc.

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, distribute with modifications, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE ABOVE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM,
DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR
OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR
THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name(s) of the above copyright
holders shall not be used in advertising or otherwise to promote the
sale, use or other dealings in this Software without prior written
authorization.

-- vile:txtmode fc=72
-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *
Licence: X11

Files: aclocal.m4 package
Copyright: 1996-2017,2018 by Thomas E. Dickey
Licence: X11

Files: doc/html/NCURSES-Programming-HOWTO.html
Copyright: 2001 by Pradeep Padala
Licence: X11

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, distribute with modifications, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE ABOVE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name(s) of the above copyright holders shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization.

Files: install-sh
Copyright: 1994 X Consortium
Licence: X11

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

-------------------------------------------------------------------------------
Files: progs/tset.c ncurses/tinfo/read_termcap.c
License: BSD

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

-- vile: txtmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *
Licence: X11

Files: aclocal.m4 package
Copyright: 2010-2017,2018 by Thomas E. Dickey
Licence: X11

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, distribute with modifications, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE ABOVE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name(s) of the above copyright holders shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization.

Files: install-sh
Copyright: 1994 X Consortium
Licence: X11

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the
rights to use, copy, modify, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

FSF changes to this file are in the public domain.

Calling this script install-sh is preferred over install.sh, to prevent `make' implicit rules from creating a file called install from it when there is no Makefile.

This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

On Debian systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL-2'

-- vile: txtmode file-encoding=utf-8

1.399 perl-term-cap 1.17 395.el8

1.399.1 Available under license:

This program is free software; you can redistribute it and/or modify it under the terms of either:

a) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version, or

b) the "Artistic License" which comes with this Kit.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See either
the GNU General Public License or the Artistic License for more details.

You should have received a copy of the Artistic License with this
Kit, in the file named "Artistic". If not, I'll be glad to provide one.

You should also have received a copy of the GNU General Public License
along with this program in the file named "Copying". If not, write to the
Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor,
Boston, MA 02110-1301, USA or visit their web page on the internet at

For those of you that choose to use the GNU General Public License,
my interpretation of the GNU General Public License is that no Perl
script falls under the terms of the GPL unless you explicitly put
said script under the terms of the GPL yourself. Furthermore, any
object code linked with perl does not automatically fall under the
terms of the GPL, provided such object code only adds definitions
of subroutines and variables, and does not otherwise impair the
resulting interpreter from executing any standard Perl script. I
consider linking in C subroutines in this manner to be the moral
equivalent of defining subroutines in the Perl language itself. You
may sell such an object file as proprietary provided that you provide
or offer to provide the Perl source, as specified by the GNU General
Public License. (This is merely an alternate way of specifying input
to the program.) You may also sell a binary produced by the dumping of
a running Perl script that belongs to you, provided that you provide or
offer to provide the Perl source as specified by the GPL. (The
fact that a Perl interpreter and your code are in the same binary file
is, in this case, a form of mere aggregation.) This is my interpretation
of the GPL. If you still have concerns or difficulties understanding
my intent, feel free to contact me. Of course, the Artistic License
spells all this out for your protection, so you may prefer to use that.

1.400 jersey 1.19.3
1.400.1 Available under license:

Found license 'General Public License 2.0' in "Copyright (c) 2013 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License'
subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License
Found license 'General Public License 2.0' in *
Copyright (c) 2008-2012 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License
Found license 'General Public License 2.0' in *
Copyright (c) 2010-2014 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License
Found license 'General Public License 2.0' in *
Copyright (c) 2014 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License
Found license 'General Public License 2.0' in *
Copyright (c) 2011-2013 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License
Found license 'General Public License 2.0' in *
Copyright (c) 2011-2013 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License
Found license 'General Public License 2.0' in *
Copyright (c) 2011-2014 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License
Found license 'General Public License 2.0' in *
Copyright (c) 2010-2014 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You

Open Source Used In CSPC_Collector 2.9.1 3867
1.401 api-ldap-codec-standalone 1.0.2

1.401.1 Available under license:

Apache Directory LDAP API Codec Standalone
Copyright 2003-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

This software includes code generated by ANTLR 2.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

------------------------------------------------------------------------
ANTLR 2 License

ANTLR 2 License

We reserve no legal rights to the ANTLR--it is fully in the public domain. An individual or company may do whatever they wish with source code distributed with ANTLR or the code generated by ANTLR, including the incorporation of ANTLR, or its output, into commercial software.

We encourage users to develop software with ANTLR. However, we do ask that credit is given to us for developing ANTLR. By "credit", we mean that if you use ANTLR or incorporate any source code into one of your programs (commercial product, research project, or otherwise) that you acknowledge this fact somewhere in the documentation, research report, etc... If you like ANTLR and have developed a nice tool with the output, please mention that you developed it using ANTLR. In addition, we ask that the headers remain intact in our source code. As long as these guidelines are kept, we expect to continue enhancing this system and expect to make other tools available as they are completed.

1.402 ftp-server 1.0.6
1.402.1 Available under license :

Apache MINA Core
Copyright 2004-2011 Apache MINA Project

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
// ------------------------------------------------------------------
// NOTICE file corresponding to the section 4d of The Apache License,
// Version 2.0, in this case for Apache FtpServer
// ------------------------------------------------------------------

Apache FtpServer
Copyright 2003-2011 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

This product includes/uses software, AOP alliance (http://aopalliance.sourceforge.net)
License: Public Domain

This product includes/uses software, Log4j (http://logging.apache.org/log4j/docs/),
developed by Apache Software Foundation (http://www.apache.org)
License: The Apache Software License, Version 2.0 (http://www.apache.org/licenses/LICENSE-2.0.txt)
This product includes/uses software, Apache Ftplet API (http://mina.apache.org/ftpserver),
developed by The Apache Software Foundation (http://www.apache.org/)
License: Apache 2.0 License (http://www.apache.org/licenses/LICENSE-2.0)

This product includes/uses software, Apache FtpServer Core (http://mina.apache.org/ftpserver/ftpserver-core),
developed by The Apache Software Foundation (http://www.apache.org/)
License: Apache 2.0 License (http://www.apache.org/licenses/LICENSE-2.0)

This product includes/uses software, Apache MINA Core (http://mina.apache.org/mina-core/),
developed by Apache MINA Project (http://mina.apache.org/)
License: Apache 2.0 License (http://www.apache.org/licenses/LICENSE-2.0)

This product includes/uses software, JCL 1.1.1 implemented over SLF4J (http://www.slf4j.org),
developed by QOS.ch (http://www.qos.ch)

This product includes/uses software, SLF4J API Module (http://www.slf4j.org),
developed by QOS.ch (http://www.qos.ch)

This product includes/uses software, SLF4J LOG4J-12 Binding (http://www.slf4j.org),
developed by QOS.ch (http://www.qos.ch)

This product includes/uses software, Spring Framework: Beans (http://www.springframework.org),
developed by Spring Framework (http://www.springframework.org/)
License: The Apache Software License, Version 2.0 (http://www.apache.org/licenses/LICENSE-2.0.txt)

This product includes/uses software, Spring Framework: Context (http://www.springframework.org),
developed by Spring Framework (http://www.springframework.org/)
License: The Apache Software License, Version 2.0 (http://www.apache.org/licenses/LICENSE-2.0.txt)

This product includes/uses software, Spring Framework: Core (http://www.springframework.org),
developed by Spring Framework (http://www.springframework.org/)
License: The Apache Software License, Version 2.0 (http://www.apache.org/licenses/LICENSE-2.0.txt)

// NOTICE file corresponding to the section 4d of The Apache License,
// Version 2.0, in this case for Apache FtpServer Core
// -----------------------------
Apache FtpServer Core
Copyright 2003-2011 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

This product includes/uses software, AOP alliance (http://aopalliance.sourceforge.net)
License: Public Domain
This product includes/uses software, Apache Ftplet API (http://mina.apache.org/ftpserver), developed by The Apache Software Foundation (http://www.apache.org/)  
License: Apache 2.0 License (http://www.apache.org/licenses/LICENSE-2.0)

This product includes/uses software, Apache MINA Core (http://mina.apache.org/mina-core/), developed by Apache MINA Project (http://mina.apache.org/)  
License: Apache 2.0 License (http://www.apache.org/licenses/LICENSE-2.0)

This product includes/uses software, JCL 1.1.1 implemented over SLF4J (http://www.slf4j.org), developed by QOS.ch (http://www.qos.ch)

This product includes/uses software, SLF4J API Module (http://www.slf4j.org), developed by QOS.ch (http://www.qos.ch)

This product includes/uses software, Spring Framework: Beans (http://www.springframework.org/), developed by Spring Framework (http://www.springframework.org/)  
License: The Apache Software License, Version 2.0 (http://www.apache.org/licenses/LICENSE-2.0.txt)

This product includes/uses software, Spring Framework: Context (http://www.springframework.org/), developed by Spring Framework (http://www.springframework.org/)  
License: The Apache Software License, Version 2.0 (http://www.apache.org/licenses/LICENSE-2.0.txt)

This product includes/uses software, Spring Framework: Core (http://www.springframework.org/), developed by Spring Framework (http://www.springframework.org/)  
License: The Apache Software License, Version 2.0 (http://www.apache.org/licenses/LICENSE-2.0.txt)

---

Apache License  
Version 2.0, January 2004  
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside

---

Open Source Used In CSPC_Collector 2.9.1 3877
or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity, 
or other liability obligations and/or rights consistent with this 
License. However, in accepting such obligations, You may act only 
on Your own behalf and on Your sole responsibility, not on behalf 
of any other Contributor, and only if You agree to indemnify, 
defend, and hold each Contributor harmless for any liability 
incurred by, or claims asserted against, such Contributor by reason 
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following 
boilerplate notice, with the fields enclosed by brackets "[]" 
replaced with your own identifying information. (Don't include 
the brackets!) The text should be enclosed in the appropriate 
comment syntax for the file format. We also recommend that a 
file or class name and description of purpose be included on the 
same "printed page" as the copyright notice for easier 
identification within third-party archives.

Copyright 1999-2005 The Apache Software Foundation

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License. 
You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software 
distributed under the License is distributed on an "AS IS" BASIS, 
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. 
See the License for the specific language governing permissions and 
limitations under the License.

Copyright (c) 2004-2007 QOS.ch
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining 
a copy of this software and associated documentation files (the 
"Software"), to deal in the Software without restriction, including 
without limitation the rights to use, copy, modify, merge, publish, 
distribute, and/or sell copies of the Software, and to permit persons 
to whom the Software is furnished to do so, provided that the above 
copyright notice(s) and this permission notice appear in all copies of 
the Software and that both the above copyright notice(s) and this 
permission notice appear in supporting documentation.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.
"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

// NOTICE file corresponding to the section 4d of The Apache License,
Apache Ftplet API
Copyright 2003-2011 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same “printed page” as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability.
incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.403 derbylocale-zh-tw 10.14.2.0

1.403.1 Available under license:

===========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License,==
== Version 2.0, in this case for the Apache Derby distribution.==
==
== DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED==
== BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE.==
==
===========================================================================

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).
Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
"Software Grant and Corporate Contribution License Agreement",
informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code
with which this file is now or was at one time distributed
and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

The portion of the functionTests under 'nist' was originally
developed by the National Institute of Standards and Technology (NIST),
an agency of the United States Department of Commerce, and adapted by
International Business Machines Corporation in accordance with the NIST
Software Acknowledgment and Redistribution document at
http://www.itl.nist.gov/div897/ctg/sql_form.htm

The Derby build relies on source files supplied by the Apache Felix
project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
- Apache License 2.0
- BSD License

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects,
including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license
and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such
as the Unicode Character Database. See http://unicode.org/copyright.html for more
details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/
The Levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0. See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0 See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin g Package (jaspell): http://jaspell.sourceforge.net/ License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in analysis/common/src/java/net/sf/snowball were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in analysis/common/src/resources/org/apache/lucene/analysis/snowball were developed by Martin Porter and Richard Boulton.
The full snowball package is available from http://snowball.tartarus.org/

The KStem stemmer in analysis/common/src/org/apache/lucene/analysis/en was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic, Persian, Romanian, Bulgarian, and Hindi analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slawnik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

Open Source Used In CSPC_Collector 2.9.1 3896
http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST),
the copyright holders, disclaims all warranties with regard to this
software, including all implied warranties of merchantability and
fitness, in no event shall NAIST be liable for
any special, indirect or consequential damages or any damages
whatsoever resulting from loss of use, data or profits, whether in an
action of contract, negligence or other tortuous action, arising out
of or in connection with the use or performance of this software.

A large portion of the dictionary entries
originate from ICOT Free Software. The following conditions for ICOT
Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its
original form or modified, to any third party or parties, PROVIDED
that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
on, or be attached to, the Program, which is distributed substantially
in the same form as set out herein and that such intended
distribution, if actually made, will neither violate or otherwise
contravene any of the laws and regulations of the countries having
jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the
research and development conducted during the project and is provided
to users as so produced on an experimental basis. Accordingly, the
program is provided without any warranty whatsoever, whether express,
IMPLIED, STATUTORY or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality,
performance, merchantability and fitness for a particular purpose of
the program and the nonexistence of any infringement or violation of
any right of any third party.

Each user of the program will agree and understand, and be deemed to
have agreed and understood, that there is no warranty whatsoever for
the program and, accordingly, the entire risk arising from or
otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

========================================================================

The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/. The JSON simple jar file is licensed under the Apache 2.0 License. No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed "subsequently incorporated within the Work."
as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.404.1 Available under license:

Apache Commons Daemon
Copyright 1999-2021 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.405 talloc 2.3.1-2.el8

1.405.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

   a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

   b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

   a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1,
you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.
1.406.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program—to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains
that there is no warranty for this free software. For both users' and
authors' sake, the GPL requires that modified versions be marked as
changed, so that their problems will not be attributed erroneously to
authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying,
distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of
copyright on the Program, and are irrevocable provided the stated
conditions are met. This License explicitly affirms your unlimited
permission to run the unmodified Program. The output from running a
covered work is covered by this License only if the output, given its
content, constitutes a covered work. This License acknowledges your
rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains
in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you
with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do
not control copyright. Those thus making or running the covered works
for you must do so exclusively on your behalf, under your direction
and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed; section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological
measure under any applicable law fulfilling obligations under article
11 of the WIPO copyright treaty adopted on 20 December 1996, or
similar laws prohibiting or restricting circumvention of such
measures.

When you convey a covered work, you waive any legal power to forbid
circumvention of technological measures to the extent such circumvention
is effected by exercising rights under this License with respect to
the covered work, and you disclaim any intention to limit operation or
modification of the work as a means of enforcing, against the work's
users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not
used to limit the access or legal rights of the compilation's users
beyond what the individual works permit. Inclusion of a covered work
in an aggregate does not cause this License to apply to the other
parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms
of sections 4 and 5, provided that you also convey the
machine-readable Corresponding Source under the terms of this License,
in one of these ways:

a) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by the
Corresponding Source fixed on a durable physical medium
customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by a
written offer, valid for at least three years and valid for as
long as you offer spare parts or customer support for that product
model, to give anyone who possesses the object code either (1) a
copy of the Corresponding Source for all the software in the
product that is covered by this License, on a durable physical
medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.
e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.
Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of
it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently
reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted
by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying
the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the
GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

COPYRIGHT AND PERMISSION NOTICE

Copyright 1991-2011 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in
http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any
associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software")
to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify,
merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data
Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice
appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission
notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software
as well as in the documentation associated with the Data File(s) or Software that the data or software has been
modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD
PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS
NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES,
OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER
IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN
CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to
promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the
copyright holder.

1.407 libunistring 0.9.9 3.el8

1.407.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.
As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser
General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.
A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such
When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your
work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).
The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or
authors of the material; or

e) Declining to grant rights under trademark law for use of some
trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that
material by anyone who conveys the material (or modified versions of
it) with contractual assumptions of liability to the recipient, for
any liability that these contractual assumptions directly impose on
those licensors and authors.

All other non-permissive additional terms are considered “further
restrictions” within the meaning of section 10. If the Program as you
received it, or any part of it, contains a notice stating that it is
governed by this License along with a term that is a further
restriction, you may remove that term. If a license document contains
a further restriction but permits relicensing or conveying under this
License, you may add to a covered work material governed by the terms
of that license document, provided that the further restriction does
not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you
must place, in the relevant source files, a statement of the
additional terms that apply to those files, or a notice indicating
where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the
form of a separately written license, or stated as exceptions;
the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly
provided under this License. Any attempt otherwise to propagate or
modify it is void, and will automatically terminate your rights under
this License (including any patent licenses granted under the third
paragraph of section 11).

However, if you cease all violation of this License, then your
license from a particular copyright holder is reinstated (a)
provisionally, unless and until the copyright holder explicitly and
finally terminates your license, and (b) permanently, if the copyright
holder fails to notify you of the violation by some reasonable means
prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is
reinstated permanently if the copyright holder notifies you of the
violation by some reasonable means, this is the first time you have
received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.
A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.
A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty: and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read
@c The GNU General Public License.
@center Version 3, 29 June 2007

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

@display
Copyright @copyright{} 2007 Free Software Foundation, Inc. @url{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies of this
license document, but changing it is not allowed.
@end display

@heading Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom
to share and change all versions of a program---to make sure it remains
free software for all its users. We, the Free Software Foundation,
use the GNU General Public License for most of our software; it
applies also to any other work released this way by its authors. You
can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you
have certain responsibilities if you distribute copies of the
software, or if you modify it: responsibilities to respect the freedom
of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

@heading TERMS AND CONDITIONS

@enumerate 0
@item Definitions.

``This License'' refers to version 3 of the GNU General Public License.

``Copyright'' also means copyright-like laws that apply to other kinds
Open Source Used In CSPC_Collector 2.9.1 3945

of works, such as semiconductor masks.

``The Program'' refers to any copyrightable work licensed under this License. Each licensee is addressed as ``you'', ``Licensees'' and ``recipients'' may be individuals or organizations.

To ``modify'' a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a ``modified version'' of the earlier work or a work ``based on'' the earlier work.

A ``covered work'' means either the unmodified Program or a work based on the Program.

To ``propagate'' a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To ``convey'' a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays ``Appropriate Legal Notices'' to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

@item Source Code.

The ``source code'' for a work means the preferred form of the work for making modifications to it. "Object code'' means any non-source form of a work.

A ``Standard Interface'' means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The ``System Libraries'' of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A “Major Component”, in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The “Corresponding Source” for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

@item Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.
Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

@item Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

@item Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

@item Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

@enumerate a
@item
The work must carry prominent notices stating that you modified it, and giving a relevant date.
@endenumerate
under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to “keep intact all notices”.

@item
You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

@item
If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.
@end enumerate

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an “aggregate” if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation’s users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

@item Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

@enumerate a
@item
Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
@end enumerate

@item
Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you
offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

@item
Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

@item
Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

@item
Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

@end enumerate

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of
product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

``Installation Information'' for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

@item Additional Terms.

``Additional permissions'' are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions
apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

@enumerate a
@item
Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

@item
Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

@item
Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

@item
Limiting the use for publicity purposes of names of licensors or authors of the material; or

@item
Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

@item
Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.
@end enumerate

All other non-permissive additional terms are considered `further restrictions’ within the meaning of section 10. If the Program as you
received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

@item Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

@item Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run
a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

@item Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

@item Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.
Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent
license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

@item No Surrender of Others’ Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

@item Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

@item Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License “or any later version” applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy’s public
statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

@item Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM ``AS IS'' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

@item Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

@item Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

@end enumerate

@end enumerate

@heading END OF TERMS AND CONDITIONS

@heading How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these
terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the ``copyright'' line and a pointer to where the full notice is found.

@example
@example
@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{year} @var{name of author}

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or (at
your option) any later version.

This program is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see @url{http://www.gnu.org/licenses/}.
@end example

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

@example
@example
@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
This is free software, and you are welcome to redistribute it
under certain conditions; type @samp{show c} for details.
@end example

The hypothetical commands @samp{show w} and @samp{show c} should show
the appropriate parts of the General Public License. Of course, your
program's commands might be different; for a GUI interface, you would
use an ``about box''.

You should also get your employer (if you work as a programmer) or school,
if any, to sign a ``copyright disclaimer'' for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
@url{http://www.gnu.org/licenses/}.
The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read @url{http://www.gnu.org/philosophy/why-not-lgpl.html}.

@c The GNU Free Documentation License.
@center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
c hence no sectioning command or @node.

@display
@uref{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
@end display

@enumerate 0
@item
PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document @dfn{free} in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of``copyleft'', which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item
APPLICABILITY AND DEFINITIONS
This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The ``Document'', below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as ``you''. You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A ``Modified Version'' of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A ``Secondary Section'' is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The ``Invariant Sections'' are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The ``Cover Texts'' are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A ``Transparent'' copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart
or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not ``Transparent” is called ``Opaque”.

Examples of suitable formats for Transparent copies include plain @sc{ascii} without markup, Texinfo input format, La@TeX{} input format, @acronym{SGML} or @acronym{XML} using a publicly available @acronym{DTD}, and standard-conforming simple @acronym{HTML}, PostScript or @acronym{PDF} designed for human modification. Examples of transparent image formats include @acronym{PNG}, @acronym{XCF} and @acronym{JPG}. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, @acronym{SGML} or @acronym{XML} for which the @acronym{DTD} and/or processing tools are not generally available, and the machine-generated @acronym{HTML}, PostScript or @acronym{PDF} produced by some word processors for output purposes only.

The ``Title Page” means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, ``Title Page” means the text near the most prominent appearance of the work’s title, preceding the beginning of the body of the text.

The ``publisher” means any person or entity that distributes copies of the Document to the public.

A section ``Entitled XYZ” means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as ``Acknowledgements”, ``Dedications”, ``Endorsements”, or ``History”.) To ``Preserve the Title” of such a section when you modify the Document means that it remains a section “Entitled XYZ” according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item

VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies
to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item
COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

- **Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.**

- **List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.**

- **State on the Title page the name of the publisher of the Modified Version, as the publisher.**

- **Preserve all the copyright notices of the Document.**

- **Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.**

- **Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.**

- **Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.**

- **Include an unaltered copy of this License.**
@item
Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.
You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item

COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item

COLLECTIONS OF DOCUMENTS
You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item
TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", 

---

Open Source Used In CSPC_Collector 2.9.1 3965
"Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item

TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item

FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not
as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item

RELICENSING

``Massive Multiauthor Collaboration Site” (or ``MMC Site”) means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A ``Massive Multiauthor Collaboration” (or “MMC”) contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA” means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate” means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is ``eligible for relicensing” if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page

@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
@end group
@end smallexample
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled “GNU Free Documentation License”.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the “with@dots{}Texts.” line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with
the Front-Cover Texts being @var{list}, and with the Back-Cover Texts
being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

1.408 libarchive 3.3.2 9.el8

1.408.1 Available under license:

The libarchive distribution as a whole is Copyright by Tim Kientzle and is subject to the copyright notice reproduced at the bottom of this file.

Each individual file in this distribution should have a clear copyright/licensing statement at the beginning of the file. If any do not, please let me know and I will rectify it. The following is intended to summarize the copyright status of the individual files; the actual statements in the files are controlling.

* Except as listed below, all C sources (including .c and .h files)
and documentation files are subject to the copyright notice reproduced at the bottom of this file.

* The following source files are also subject in whole or in part to a 3-clause UC Regents copyright; please read the individual source files for details:
  libarchive/archive_entry.c
  libarchive/archive_read_support_filter_compress.c
  libarchive/archive_write_add_filter_compress.c
  libarchive/mtree.5

* The following source files are in the public domain:
  libarchive/archive_getdate.c

* The build files—including Makefiles, configure scripts, and auxiliary scripts used as part of the compile process—have widely varying licensing terms. Please check individual files before distributing them to see if those restrictions apply to you.

I intend for all new source code to use the license below and hope over time to replace code with other licenses with new implementations that do use the license below. The varying licensing of the build scripts seems to be an unavoidable mess.

Copyright (c) 2003-2009 <author(s)>
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer in this position and unchanged.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR(S) "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR(S) BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
1.409 perl-http-date 6.02-18.el8

1.409.1 Available under license:

No license file was found, but licenses were detected in source scan.

license: perl

Found in path(s):
* /opt/cola/permits/1137994482_1614192599.99/0/perl-HTTP-Date-6.02-18.el8-1.src.rpm-cosi-expand-archive-
  JYDNEDIT/HTTP-Date-6.02.tar.gz-cosi-expand-archive-NeWlvVVV/HTTP-Date-6.02/META.yml

No license file was found, but licenses were detected in source scan.

=head1 NAME

HTTP::Date - date conversion routines

=head1 SYNOPSIS

use HTTP::Date;

$string = time2str($time);  # Format as GMT ASCII time
$time = str2time($string);  # convert ASCII date to machine time

=head1 DESCRIPTION

This module provides functions that deal the date formats used by the HTTP protocol (and then some more). Only the first two functions, time2str() and str2time(), are exported by default.

=over 4

=item time2str( [ $time ] )

The time2str() function converts a machine time (seconds since epoch) to a string. If the function is called without an argument or with an undefined argument, it will use the current time.

The string returned is in the format preferred for the HTTP protocol. This is a fixed length subset of the format defined by RFC 1123, represented in Universal Time (GMT). An example of a time stamp in this format is:

    Sun, 06 Nov 1994 08:49:37 GMT

=item str2time( $str [, $zone] )
The `str2time()` function converts a string to machine time. It returns `C<undef>` if the format of $str is unrecognized, otherwise whatever the `C<Time::Local>` functions can make out of the parsed time. Dates before the system's epoch may not work on all operating systems. The time formats recognized are the same as for `parse_date()`.

The function also takes an optional second argument that specifies the default time zone to use when converting the date. This parameter is ignored if the zone is found in the date string itself. If this parameter is missing, and the date string format does not contain any zone specification, then the local time zone is assumed.

If the zone is not "C<GMT>" or numerical (like "C<-0800>" or "C<+0100>"), then the `C<Time::Zone>` module must be installed in order to get the date recognized.

```perl
=item parse_date( $str )
```

This function will try to parse a date string, and then return it as a list of numerical values followed by a (possible undefined) time zone specifier: ($year, $month, $day, $hour, $min, $sec, $tz). The $year will be the full 4-digit year, and $month numbers start with 1 (for January).

In scalar context the numbers are interpolated in a string of the "YYYY-MM-DD hh:mm:ss TZ"-format and returned.

If the date is unrecognized, then the empty list is returned (`C<undef>` in scalar context).

The function is able to parse the following formats:

"Thu Feb 3 17:03:55 GMT 1994"      -- ctime(3) format
"Thu Feb 3 00:00:00 1994",        -- ANSI C asctime() format
"Tuesday, 08-Feb-94 14:15:29 GMT"  -- old rfc850 HTTP format
"Tuesday, 08-Feb-1994 14:15:29 GMT" -- broken rfc850 HTTP format

"03/Feb/1994:17:03:55 -0700"     -- common logfile format
"09 Feb 1994 22:23:32 GMT"       -- HTTP format (no weekday)
"08-Feb-94 14:15:29 GMT"         -- rfc850 format (no weekday)
"08-Feb-1994 14:15:29 GMT"       -- broken rfc850 format (no weekday)

"1994-02-03 14:15:29 -0100"      -- ISO 8601 format
"1994-02-03 14:15:29"            -- zone is optional
"1994-02-03"                     -- only date
"1994-02-03T14:15:29"            -- Use T as separator
"19940203T141529Z"              -- ISO 8601 compact format
"19940203"                       -- only date
The parser ignores leading and trailing whitespace. It also allow the
seconds to be missing and the month to be numerical in most formats.

If the year is missing, then we assume that the date is the first
matching date before current month. If the year is given with only
2 digits, then parse_date() will select the century that makes the
year closest to the current date.

=item time2iso( $time )

Same as time2str(), but returns a "YYYY-MM-DD hh:mm:ss"-formatted
string representing time in the local time zone.

=item time2isoz( $time )

Same as time2str(), but returns a "YYYY-MM-DD hh:mm:ssZ"-formatted
string representing Universal Time.

=back

=head1 SEE ALSO

L<perlfunc/time>, L<Time::Zone>

=head1 COPYRIGHT

Copyright 1995-1999, Gisle Aas

This library is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

=cut

Found in path(s):
* /opt/cola/permits/1137994482_1614192599.99/0/perl-HTTP-Date-6.02-18.el8-1.src.rpm-cosi-expand-archive-
JYDNEDIT/HTTP-Date-6.02.tar.gz-cosi-expand-archive-NeWlvVVW/HTTP-Date-6.02/lib/HTTP/Date.pm
No license file was found, but licenses were detected in source scan.

NAME
HTTP::Date - date conversion routines

SYNOPSIS
use HTTP::Date;

$string = time2str($time);  # Format as GMT ASCII time
$time = str2time($string);  # convert ASCII date to machine time

DESCRIPTION
This module provides functions that deal the date formats used by the HTTP protocol (and then some more). Only the first two functions, time2str() and str2time(), are exported by default.

time2str( [$time] )
The time2str() function converts a machine time (seconds since epoch) to a string. If the function is called without an argument or with an undefined argument, it will use the current time.

The string returned is in the format preferred for the HTTP protocol. This is a fixed length subset of the format defined by RFC 1123, represented in Universal Time (GMT). An example of a time stamp in this format is:

Sun, 06 Nov 1994 08:49:37 GMT

str2time( $str [, $zone] )
The str2time() function converts a string to machine time. It returns `undef' if the format of $str is unrecognized, otherwise whatever the `Time::Local' functions can make out of the parsed time. Dates before the system's epoch may not work on all operating systems. The time formats recognized are the same as for parse_date().

The function also takes an optional second argument that specifies the default time zone to use when converting the date. This parameter is ignored if the zone is found in the date string itself. If this parameter is missing, and the date string format does not contain any zone specification, then the local time zone is assumed.

If the zone is not ""GMT"" or numerical (like "-0800" or "+0100"), then the `Time::Zone' module must be installed in order to get the date recognized.

parse_date( $str )
This function will try to parse a date string, and then return it as
a list of numerical values followed by a (possible undefined) time
zone specifier; ($year, $month, $day, $hour, $min, $sec, $tz). The
$year returned will not have the number 1900 subtracted from it and
the $month numbers start with 1.

In scalar context the numbers are interpolated in a string of the
"YYYY-MM-DD hh:mm:ss TZ"-format and returned.

If the date is unrecognized, then the empty list is returned.

The function is able to parse the following formats:

"Thu Feb  3 17:03:55 GMT 1994"    -- ctime(3) format
"Thu Feb  3 00:00:00 1994",        -- ANSI C asctime() format
"Tuesday, 08-Feb-94 14:15:29 GMT" -- old rfc850 HTTP format
"Tuesday, 08-Feb-1994 14:15:29 GMT" -- broken rfc850 HTTP format

"03/Feb/1994:17:03:55 -0700"   -- common logfile format
"09 Feb 1994 22:23:32 GMT"      -- HTTP format (no weekday)
"08-Feb-94 14:15:29 GMT"         -- rfc850 format (no weekday)
"08-Feb-1994 14:15:29 GMT"       -- broken rfc850 format (no weekday)

"1994-02-03 14:15:29 -0100"    -- ISO 8601 format
"1994-02-03 14:15:29"           -- zone is optional
"1994-02-03"                    -- only date
"1994-02-03T14:15:29"           -- Use T as separator
"19940203T141529Z"              -- ISO 8601 compact format
"19940203"                      -- only date

"08-Feb-94"                    -- old rfc850 HTTP format (no weekday, no time)
"08-Feb-1994"                   -- broken rfc850 HTTP format (no weekday, no time)
"09 Feb 1994"                   -- proposed new HTTP format (no weekday, no time)
"03/Feb/1994"                   -- common logfile format (no time, no offset)

"Feb  3 1994"                   -- Unix 'ls -l' format
"Feb  3 17:03"                   -- Unix 'ls -l' format

"11-15-96  03:52PM" -- Windows 'dir' format

The parser ignores leading and trailing whitespace. It also allow
the seconds to be missing and the month to be numerical in most
formats.

If the year is missing, then we assume that the date is the first
matching date *before* current month. If the year is given with only
2 digits, then parse_date() will select the century that makes the
year closest to the current date.
time2iso( [Ttime] )
Same as time2str(), but returns a "YYYY-MM-DD hh:mm:ss"-formatted string representing time in the local time zone.

time2isoz( [Ttime] )
Same as time2str(), but returns a "YYYY-MM-DD hh:mm:ssZ"-formatted string representing Universal Time.

SEE ALSO
perlfunc, Time::Zone

COPYRIGHT
Copyright 1995-1999, Gisle Aas

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137994482_1614192599.99/0/perl-HTTP-Date-6.02-18.el8-1.src.rpm-cosi-expand-archive-JYDNEDIT/HTTP-Date-6.02.tar.gz-cosi-expand-archive-NeWlvVVW/HTTP-Date-6.02/README
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/cola/permits/1137994482_1614192599.99/0/perl-HTTP-Date-6.02-18.el8-1.src.rpm-cosi-expand-archive-JYDNEDIT/perl-HTTP-Date.spec

1.410 activeio-core 3.1.4
1.410.1 Available under license:
Apache License

Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed subsequently incorporated within the Work.
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTicular PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

ActiveIO :: Core
Copyright 2005-2012 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
1.411 jersey-client 2.22.2
1.411.1 Available under license:
   CDDL+GPL License
   http://glassfish.java.net/public/CDDL+GPL_1_1.html

1.412 jetty-io 9.4.11.v20180605

1.413 perl-file-temp 0.230.600 1.el8
1.413.1 Available under license:
   This software is copyright (c) 2018 by Tim Jenness and the UK Particle Physics and Astronomy Research Council.
   
   This is free software; you can redistribute it and/or modify it under the same terms as the Perl 5 programming language system itself.
   
   Terms of the Perl programming language system itself
   
   a) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version, or
   b) the "Artistic License"
   
   --- The GNU General Public License, Version 1, February 1989 ---
   
   This software is Copyright (c) 2018 by Tim Jenness and the UK Particle Physics and Astronomy Research Council.
   
   This is free software, licensed under:
   
   The GNU General Public License, Version 1, February 1989
   
   GNU GENERAL PUBLIC LICENSE
   Version 1, February 1989
   
   Copyright (C) 1989 Free Software Foundation, Inc.
   51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA
   
   Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
   
   Preamble
   
   The license agreements of most software companies try to keep users
at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".
1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

   d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

   a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,
b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) 19xx name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

    The hypothetical commands `show w' and `show c' should show the
    appropriate parts of the General Public License. Of course, the
    commands you use may be called something other than `show w' and `show
    c'; they could even be mouse-clicks or menu items--whatever suits your
    program.

    You should also get your employer (if you work as a programmer) or your
    school, if any, to sign a "copyright disclaimer" for the program, if
    necessary. Here a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the
    program `Gnomovision' (a program to direct compilers to make passes
    at assemblers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

    That's all there is to it!
--- The Artistic License 1.0 ---

This software is Copyright (c) 2018 by Tim Jenness and the UK Particle Physics and Astronomy Research Council.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you
changed that file, and provided that you do at least ONE of the following:

a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not
be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.414 d-bus 1.12.8 11.el8

1.414.1 Available under license:

D-Bus is licensed to you under your choice of the Academic Free License version 2.1, or the GNU General Public License version 2 (or, at your option any later version).

Both licenses are included here. Some of the standalone binaries are under the GPL only; in particular, but not limited to, tools/dbus-cleanup-sockets.c and test/decode-gcov.c. Each source code file is marked with the proper copyright information - if you find a file that isn't marked please bring it to our attention.

The Academic Free License

v. 2.1

This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work:

Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license to do the following:

a) to reproduce the Original Work in copies;

b) to prepare derivative works ("Derivative Works") based upon the Original Work;

c) to distribute copies of the Original Work and Derivative Works to the public;

d) to perform the Original Work publicly; and

e) to display the Original Work publicly.
2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are
sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately proceeding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.
11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

END OF ACADEMIC FREE LICENSE. The following is intended to describe the essential
differences between the Academic Free License (AFL) version 1.0 and other open source licenses:

The Academic Free License is similar to the BSD, MIT, UoI/NCSA and Apache licenses in many respects but it is intended to solve a few problems with those licenses.

* The AFL is written so as to make it clear what software is being licensed (by the inclusion of a statement following the copyright notice in the software). This way, the license functions better than a template license. The BSD, MIT and UoI/NCSA licenses apply to unidentified software.

* The AFL contains a complete copyright grant to the software. The BSD and Apache licenses are vague and incomplete in that respect.

* The AFL contains a complete patent grant to the software. The BSD, MIT, UoI/NCSA and Apache licenses rely on an implied patent license and contain no explicit patent grant.

* The AFL makes it clear that no trademark rights are granted to the licensor's trademarks. The Apache license contains such a provision, but the BSD, MIT and UoI/NCSA licenses do not.

* The AFL includes the warranty by the licensor that it either owns the copyright or that it is distributing the software under a license. None of the other licenses contain that warranty. All other warranties are disclaimed, as is the case for the other licenses.

* The AFL is itself copyrighted (with the right granted to copy and distribute without modification). This ensures that the owner of the copyright to the license will control changes. The Apache license contains a copyright notice, but the BSD, MIT and UoI/NCSA licenses do not.

--

START OF GNU GENERAL PUBLIC LICENSE

--

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you

---

Open Source Used In CSPC_Collector 2.9.1 3996
may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the copyright notice, this list of conditions and the following disclaimer.
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products
derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR `AS IS` AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.415 derbylocale-fr 10.14.2.0
1.415.1 Available under license :

== NOTICE file corresponding to section 4(d) of the Apache License,
== Version 2.0, in this case for the Apache Derby distribution.
==
== DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED
== BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE.
==

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
"Software Grant and Corporate Contribution License Agreement",
informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code
with which this file is now or was at one time distributed
and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.
The portion of the functionTests under 'nist' was originally developed by the National Institute of Standards and Technology (NIST), an agency of the United States Department of Commerce, and adapted by International Business Machines Corporation in accordance with the NIST Software Acknowledgment and Redistribution document at http://www.itl.nist.gov/div897/ctg/sql_form.htm

The Derby build relies on source files supplied by the Apache Felix project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.
III. License Summary
- Apache License 2.0
- BSD License

=========================================================================

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

 Apache Lucene
 Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects, including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is BSD-licensed, created by Anders Miller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0.
See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0
See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin
g Package (jaspell): http://jaspell.sourceforge.net/
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
   analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
   analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
   http://snowball.tartarus.org/

The KStem stemmer in
   analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
   analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
   analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil,
and Edmond Nolan.
The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST), the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and
fitness, in no event shall NAIST be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortious action, arising out of or in connection with the use or performance of this software.

A large portion of the dictionary entries originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term
"use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/. The JSON simple jar file is licensed under the Apache 2.0 License. No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use, 
reproduction, and distribution of the Work otherwise complies with 
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, 
any Contribution intentionally submitted for inclusion in the Work 
by You to the Licensor shall be under the terms and conditions of 
this License, without any additional terms or conditions. 
Notwithstanding the above, nothing herein shall supersede or modify 
the terms of any separate license agreement you may have executed 
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade 
names, trademarks, service marks, or product names of the Licensor, 
except as required for reasonable and customary use in describing the 
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or 
agreed to in writing, Licensor provides the Work (and each 
Contributor provides its Contributions) on an "AS IS" BASIS, 
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or 
implied, including, without limitation, any warranties or conditions 
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A 
PARTICULAR PURPOSE. You are solely responsible for determining the 
appropriateness of using or redistributing the Work and assume any 
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, 
whether in tort (including negligence), contract, or otherwise, 
unless required by applicable law (such as deliberate and grossly 
negligent acts) or agreed to in writing, shall any Contributor be 
liable to You for damages, including any direct, indirect, special, 
incidental, or consequential damages of any character arising as a 
result of this License or out of the use or inability to use the 
Work (including but not limited to damages for loss of goodwill, 
work stoppage, computer failure or malfunction, or any and all 
other commercial damages or losses), even if such Contributor 
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing 
the Work or Derivative Works thereof, You may choose to offer, 
and charge a fee for, acceptance of support, warranty, indemnity, 
or other liability obligations and/or rights consistent with this 
License. However, in accepting such obligations, You may act only 
on Your own behalf and on Your sole responsibility, not on behalf 
of any other Contributor, and only if You agree to indemnify, 
defend, and hold each Contributor harmless for any liability 
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.416 python27-jmespath 0.9.0-11.el8

1.416.1 Available under license:

Copyright (c) 2013 Amazon.com, Inc. or its affiliates. All Rights Reserved

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
ITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.417 bcmail 1.48.0

1.417.1 Available under license:
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.418 commons-modeler 2.0.1

1.418.1 Available under license:
Apache Jakarta Commons Modeler
Copyright 2001-2007 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/


1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner.
or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.419 libcgroup 0.41 19.el8
1.419.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not compelld to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
   based on the Library, uncombined with any other library
   facilities. This must be distributed under the terms of the
   Sections above.

b) Give prominent notice with the combined library of the fact
   that part of it is a work based on the Library, and explaining
   where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).
To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.420 rssh 2.3.4-1.el6

1.420.1 Available under license:

The following copyright applies to all source code in this software distribution, unless expressly stated otherwise:

Copyright 2003 Derek D. Martin (code at pizzashack dot org).
The software can be redistributed under the terms of the modified Berkely software license, as follows:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

/*
 * Copyright 2003-2006 Derek D. Martin ( code at pizzashack dot org ).
 *
 * This program is licensed under a BSD-style license, as follows:
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 *
 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR
 * IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
 * IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
 * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
 * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
 * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
1.421 axiom-dom 1.2.20

1.421.1 Available under license:

Apache Axiom

Copyright 2004-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.

This product includes unmodified, binary redistributions of software (AspectJ)
developed for the Eclipse Foundation (http://www.eclipse.org/aspectj), which
is licensed under the Eclipse Public License 1.0. Source code for this project
can be found at http://git.eclipse.org/c/aspectj/org.aspectj.git. An original
copy of the license can be found at http://eclipse.org/legal/epl-v10.html.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.422 jboss-jms-api 1.0.0.Final
1.422.1 Available under license :

Found license 'GNU Lesser General Public License' in 'This is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. This software is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License'
1.423 efibootmgr 16 1.el8

1.423.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
grats or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.424 bsd-mailx 12.5-29.el8

1.424.1 Available under license:

/*
 * Copyright (c) 1980, 1993
 * The Regents of the University of California. All rights reserved.
 * Copyright (c) 1996
 * Christos Zoulas. All rights reserved.
 * Copyright (c) 2000
 * Gunnar Ritter. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
 * documentation and/or other materials provided with the distribution.
 * 3. All advertising materials mentioning features or use of this software
 * must display the following acknowledgements:
 * This product includes software developed by the University of
 * California, Berkeley and its contributors.
 * This product includes software developed by Christos Zoulas.
 * This product includes software developed by Gunnar Ritter
 * and his contributors.
 * 4. Neither the name of the University nor the names of its contributors
 * nor the name of Gunnar Ritter nor the names of his contributors
 * may be used to endorse or promote products derived from this software
 * without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED ``AS IS'', AND ANY EXPRESS OR IMPLIED WARRANTIES,
 * INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY
 * AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL
 * THE DEVELOPERS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT,
 * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
 * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
* Copyright 1994 by OpenVision Technologies, Inc.

*/
/* md5.h and md5.c are derived from RFC 1321:

Copyright (C) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.
These notices must be retained in any copies of any part of this
documentation and/or software.

==========================================================================

/*
 * hmac.c is derived from:

Network Working Group  H. Krawczyk
Request for Comments: 2104  IBM
Category: Informational  M. Bellare
UCSD
     R. Canetti
IBM
February 1997

HMAC: Keyed-Hashing for Message Authentication

Status of This Memo

This memo provides information for the Internet community. This memo
does not specify an Internet standard of any kind. Distribution of
this memo is unlimited.

Appendix -- Sample Code

==========================================================================

Parts of nss.c are derived from the Mozilla NSS 3.9.2 source,
mozilla/security/nss/cmd/smimtools/cmsutil.c. Therefore:

MOZILLA PUBLIC LICENSE
Version 1.1

-------------

1. Definitions.

1.0.1. "Commercial Use" means distribution or otherwise making the
Covered Code available to a third party.

1.1. "Contributor" means each entity that creates or contributes to
the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original
Code, prior Modifications used by a Contributor, and the Modifications
made by that particular Contributor.
1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof.

1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.

1.5. "Executable" means Covered Code in any form other than Source Code.

1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.8. "License" means this document.

1.8.1. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:
   A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.
   B. Any new file that contains any part of the Original Code or previous Modifications.

1.10. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.10.1. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another
well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. Source Code License.

2.1. The Initial Developer Grant.
The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:
(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and
(b) under Patents Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).
(c) the licenses granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.
(d) Notwithstanding Section 2.1(b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by: i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.

2.2. Contributor Grant.
Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license
(a) under intellectual property rights (other than patent or
Open Source Used In CSPC_Collector 2.9.1 4046

trademark) Licensable by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) the licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Application of License.
The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients’ rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

3.2. Availability of Source Code.
Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted
Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

3.3. Description of Modifications.
You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

3.4. Intellectual Property Matters
(a) Third Party Claims.
If Contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs.
If Contributor's Modifications include an application programming interface and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.

(c) Representations.
Contributor represents that, except as disclosed pursuant to Section 3.4(a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.
3.5. Required Notices.
You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.6. Distribution of Executable Versions.
You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.7. Larger Works.
You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.
4. Inability to Comply Due to Statute or Regulation.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Application of this License.

This License applies to code to which the Initial Developer has attached the notice in Exhibit A and to related Covered Code.

6. Versions of the License.

6.1. New Versions.
Netscape Communications Corporation ("Netscape") may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

6.2. Effect of New Versions.
Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Netscape. No one other than Netscape has the right to modify the terms applicable to Covered Code created under this License.

6.3. Derivative Works.
If You create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), You must (a) rename Your license so that the phrases "Mozilla", "MOZILLAPL", "MOZPL", "Netscape", "MPL", "NPL" or any confusingly similar phrase do not appear in your license (except to note that your license differs from this License) and (b) otherwise make it clear that Your version of the license contains terms which differ from the Mozilla Public License and Netscape Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)
7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

8. TERMINATION.

8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

8.2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as "Participant") alleging that:

(a) such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.

(b) any software, hardware, or device, other than such Participant's Contributor Version, directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1(b) and 2.2(b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that
8.3. If You assert a patent infringement claim against Participant alleging that such Participant’s Contributor Version directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

8.4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.

9. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

10. U.S. GOVERNMENT END USERS.


11. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent
necessary to make it enforceable. This License shall be governed by California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in the United States of America, any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

12. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

13. MULTIPLE-LICENSED CODE.

Initial Developer may designate portions of the Covered Code as "Multiple-Licensed”. "Multiple-Licensed" means that the Initial Developer permits you to utilize portions of the Covered Code under Your choice of the NPL or the alternative licenses, if any, specified by the Initial Developer in the file described in Exhibit A.

EXHIBIT A -Mozilla Public License.

``The contents of this file are subject to the Mozilla Public License Version 1.1 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.mozilla.org/MPL/

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

The Original Code is ________________________________.

The Initial Developer of the Original Code is ________________________.
Contributor(s): ________________________________.

Alternatively, the contents of this file may be used under the terms of the _____ license (the "[___] License"), in which case the provisions of [______] License are applicable instead of those above. If you wish to allow use of your version of this file only under the terms of the [___] License and not to allow others to use your version of this file under the MPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the [___] License. If you do not delete the provisions above, a recipient may use your version of this file under either the MPL or the [___] License.”

[NOTE: The text of this Exhibit A may differ slightly from the text of the notices in the Source Code files of the Original Code. You should use the text of this Exhibit A rather than the text found in the Original Code Source Code for Your Modifications.]

1.425 telnet 0.17-73.el8_1.1
1.425.1 Available under license :
   Found license 'General Public License 2.0' in '/\' This file may be distributed under the GNU General Public License.'

1.426 efivar 36 1.el8
1.426.1 Available under license :
   GNU LESSER GENERAL PUBLIC LICENSE
   Version 2.1, February 1999

   Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

   [This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

   Preamble

   The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.
Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.
GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

   a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

   b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.
<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.427 example-async-rest 9.4.11.v20180605

1.428 jdom 1.1.2

1.428.1 Available under license :
No license file was found, but licenses were detected in source scan.

/*--

$Id: DOMBuilder.java,v 1.60 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos
THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*--
$Id: XPath.java,v 1.17 2007/11/10 05:29:02 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

* /

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/xpath/XPath.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: NamespaceStack.java,v 1.14 2007/11/10 05:29:01 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/jdom/output/NamespaceStack.java
No license file was found, but licenses were detected in source scan.

/\n

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
   derived from this software without prior written permission.  For
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
   may "JDOM" appear in their name, without prior written permission
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
   "This product includes software developed by the
    JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/adapters/AbstractDOMAdapter.java
No license file was found, but licenses were detected in source scan.

/*/


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/output/Format.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: IllegalTargetException.java,v 1.15 2007/11/10 05:28:59 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

No license file was found, but licenses were detected in source scan.

*/

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/
Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/DocType.java

No license file was found, but licenses were detected in source scan.

/*--
$Id: DOMOutputter.java,v 1.43 2007/11/10 05:29:01 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/output/DOMOutputter.java
No license file was found, but licenses were detected in source scan.

/*/

$Id: JDOMParseException.java,v 1.8 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/input/JDOMParseException.java
No license file was found, but licenses were detected in source scan.

/\--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.
3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ''AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
*/

* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/ProcessingInstruction.java

No license file was found, but licenses were detected in source scan.

/*--

$Id: Content.java,v 1.6 2007/11/10 05:28:58 jhunter Exp $

Copyright (C) 2007 Jason Hunter & Brett McLaughlin.
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

“This product includes software developed by the JDOM Project (http://www.jdom.org/).”

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/
Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/Content.java

No license file was found, but licenses were detected in source scan.

/*--

$Id: JDOMResult.java,v 1.24 2007/11/10 05:29:02 jhunter Exp$

Copyright (C) 2001-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
  "This product includes software developed by the
   JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, 
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT 
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF 
SUCH DAMAGE.

This software consists of voluntary contributions made by many 
individuals on behalf of the JDOM Project and was originally 
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and 
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information 
on the JDOM Project, please see <http://www.jdom.org/>.

 */

Found in path(s):
*/opt/cola/permits/1136279776_1613727241.79/0/jdom-1.1-2-sources-1-jar/org/jdom/transform/JDOMResult.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: AndFilter.java,v 1.4 2007/11/10 05:29:00 jhunter Exp$

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without 
modification, are permitted provided that the following conditions 
are met:

1. Redistributions of source code must retain the above copyright 
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright 
   notice, this list of conditions, and the disclaimer that follows 
   these conditions in the documentation and/or other materials 
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products 
   derived from this software without prior written permission.  For 
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor 
   may "JDOM" appear in their name, without prior written permission 
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the 
end-user documentation provided with the redistribution and/or in the 
software itself an acknowledgement equivalent to the following:

 "This product includes software developed by the
JDOM Project (http://www.jdom.org)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*-

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/filter/AndFilter.java
No license file was found, but licenses were detected in source scan.

/*-*

$Id: XSLTransformer.java,v 1.5 2007/11/14 04:36:54 jhunter Exp $

Copyright (C) 2001-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.
3. The name "JDOM" must not be used to endorse or promote products
   derived from this software without prior written permission. For
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
   may "JDOM" appear in their name, without prior written permission
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

   In addition, we request (but do not require) that you include in the
   end-user documentation provided with the redistribution and/or in the
   software itself an acknowledgement equivalent to the following:
   "This product includes software developed by the
   JDOM Project (http://www.jdom.org/)."
   Alternatively, the acknowledgment may be graphical using the logos

   THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
   WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
   OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
   DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
   CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
   SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
   LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
   USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
   ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
   OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
   OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
   SUCH DAMAGE.

   This software consists of voluntary contributions made by many
   individuals on behalf of the JDOM Project and was originally
   created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
   Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
   on the JDOM Project, please see <http://www.jdom.org/>.

   /*

   Found in path(s):
   */

   $Id: Element.java,v 1.159 2007/11/14 05:02:08 jhunter Exp $

   Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
   All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.
Found in path(s):
  */opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/Element.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: FilterIterator.java,v 1.6 2007/11/10 05:28:59 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF

Open Source Used In CSPC_Collector 2.9.1 4083
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/FilterIterator.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: Comment.java,v 1.33 2007/11/10 05:28:58 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
"This product includes software developed by the JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
*/
/lopt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/Comment.java

No license file was found, but licenses were detected in source scan.

/*--

$Id: OrFilter.java,v 1.5 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.
3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/filter/OrFilter.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: XSLTransformException.java,v 1.4 2007/11/10 05:29:02 jhunter Exp$

Copyright (C) 2003-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.
*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-
jar/org/jdom/transform/XSLTransformException.java
No license file was found, but licenses were detected in source scan.

/""

$Id: BuilderErrorHandler.java,v 1.13 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-
jar/org/jdom/input/BuilderErrorHandler.java
No license file was found, but licenses were detected in source scan.

/*/

$Id: Verifier.java,v 1.57 2009/07/23 05:54:23 jhunter Exp$

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/Verifier.java
No license file was found, but licenses were detected in source scan.

/"*/


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ""AS IS"" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/Attribute.java
No license file was found, but licenses were detected in source scan.

/*/

$Id: SAXHandler.java,v 1.73 2007/11/10 05:29:00 jhunter Exp $
Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/input/SAXHandler.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: JDOMFactory.java,v 1.9 2007/11/10 05:28:59 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission.  For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/JDOMFactory.java
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/Namespace.java
No license file was found, but licenses were detected in source scan.

/"*/

$Id: ContentFilter.java,v 1.15 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

“This product includes software developed by the
JDOM Project (http://www.jdom.org/).”

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
*/opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/filter/ContentFilter.java
No license file was found, but licenses were detected in source scan.

/*--

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/Text.java
No license file was found, but licenses were detected in source scan.

/*.--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/UncheckedJDOMFactory.java
No license file was found, but licenses were detected in source scan.

/*/

$Id: ContentList.java,v 1.42 2007/11/10 05:28:58 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.
In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
  * /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/ContentList.java
No license file was found, but licenses were detected in source scan.

/*/

$Id: JAXPParserFactory.java,v 1.6 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
"This product includes software developed by the
JDOM Project (http://www.jdom.org)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-
jar/org/jdom/input/JAXPParserFactory.java
No license file was found, but licenses were detected in source scan.

/*--
Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally
Open Source Used In CSPC_Collector 2.9.1

created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/NamespaceKey.java

No license file was found, but licenses were detected in source scan.

/*/


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
   derived from this software without prior written permission. For
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
   may "JDOM" appear in their name, without prior written permission
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/Document.java
No license file was found, but licenses were detected in source scan.

/*/


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.
In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/IllegalDataException.java

No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/adapters/CrimsonDOMAdapter.java
No license file was found, but licenses were detected in source scan.

/":--"
Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.  
All rights reserved. 

Redistribution and use in source and binary forms, with or without 
modification, are permitted provided that the following conditions 
are met: 

1. Redistributions of source code must retain the above copyright 
   notice, this list of conditions, and the following disclaimer. 

2. Redistributions in binary form must reproduce the above copyright 
   notice, this list of conditions, and the disclaimer that follows 
   these conditions in the documentation and/or other materials 
   provided with the distribution. 

3. The name "JDOM" must not be used to endorse or promote products 
   derived from this software without prior written permission.  For 
   written permission, please contact <request_AT_jdom_DOT_org>. 

4. Products derived from this software may not be called "JDOM", nor 
   may "JDOM" appear in their name, without prior written permission 
   from the JDOM Project Management <request_AT_jdom_DOT_org>. 

In addition, we request (but do not require) that you include in the 
end-user documentation provided with the redistribution and/or in the 
software itself an acknowledgement equivalent to the following:  
"This product includes software developed by the 
JDOM Project (http://www.jdom.org)/."  
Alternatively, the acknowledgment may be graphical using the logos 

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED 
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES 
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE 
DISCLAIMED.  IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT 
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, 
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT 
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF 
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND 
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, 
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT 
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF 
SUCH DAMAGE. 

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
 */opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/DataConversionException.java
No license file was found, but licenses were detected in source scan.

/"--

$Id: ElementFilter.java,v 1.20 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

*Found in path(s):
*/

$Id: DefaultJDOMFactory.java,v 1.7 2007/11/10 05:28:58 jhunter Exp$

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/DefaultJDOMFactory.java
No license file was found, but licenses were detected in source scan.

/\--

$Id: Filter.java,v 1.10 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/filter/Filter.java
No license file was found, but licenses were detected in source scan.
/*--

$Id: CDATA.java,v 1.32 2007/11/10 05:28:58 jhunter Exp$

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.
This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/CDATA.java
No license file was found, but licenses were detected in source scan.

/*--
$Id: SAXOutputter.java,v 1.40 2007/11/10 05:29:01 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/output/SAXOutputter.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: JDOMException.java,v 1.26 2008/12/10 00:59:51 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/JDOMException.java
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/EntityRef.java

No license file was found, but licenses were detected in source scan.
/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission.  For
written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
may "JDOM" appear in their name, without prior written permission
from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
   "This product includes software developed by the
    JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.
This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1.jar/org/jdom/adapters/OracleV2DOMAdapter.java
No license file was found, but licenses were detected in source scan.

/\*--

$Id: AbstractFilter.java,v 1.6 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

Open Source Used In CSPC_Collector 2.9.1 4118
THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/filter/AbstractFilter.java
No license file was found, but licenses were detected in source scan.

/*/


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.
4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
*/

$Id: XML4JDOMAdapter.java,v 1.18 2007/11/10 05:28:59 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the following disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

    "This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/adapters/XML4JDOMAdapter.java
No license file was found, but licenses were detected in source scan.

/\-

$Id: TextBuffer.java,v 1.10 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
Such damage.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/input/TextBuffer.java
No license file was found, but licenses were detected in source scan.

/*--

$Id: JDOMSource.java,v 1.20 2007/11/10 05:29:02 jhunter Exp $

Copyright (C) 2001-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.
THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/transform/JDOMSource.java
No license file was found, but licenses were detected in source scan.

/*--
Id: JaxenXPath.java,v 1.20 2007/11/10 05:29:02 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT_org>.

Open Source Used In CSPC_Collector 2.9.1 4124
4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/xpath/JaxenXPath.java
No license file was found, but licenses were detected in source scan.

/ *--

$Id: DescendantIterator.java,v 1.6 2007/11/10 05:28:58 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org>/.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/DescendantIterator.java
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
   derived from this software without prior written permission. For
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
   may "JDOM" appear in their name, without prior written permission
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

   "This product includes software developed by the
   JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the JDOM Project and was originally
created by Jason Hunter <jhunter_AT_jdom_DOT_org> and
Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information
on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1.jar/jdom/output/EscapeStrategy.java
No license file was found, but licenses were detected in source scan.

/*_--

$Id: OracleV1DOMAdapter.java,v 1.20 2007/11/10 05:28:59 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
   derived from this software without prior written permission. For
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
   may "JDOM" appear in their name, without prior written permission
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos
THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/adapters/OracleV1DOMAdapter.java
No license file was found, but licenses were detected in source scan.

/*--

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For
written permission, please contact <request_AT_jdom_DOT-org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT-org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT-org> and Brett McLaughlin <brett_AT_jdom_DOT-org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/adjaptors/XercesDOMAdapter.java

No license file was found, but licenses were detected in source scan.

/*--

$Id: XMLOutputter.java,v 1.117 2009/07/23 05:54:23 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/
Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/output/XMLOutputter.java
No license file was found, but licenses were detected in source scan.

/*--
$Id: SAXBuilder.java,v 1.93 2009/07/23 06:26:26 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
   derived from this software without prior written permission.  For
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
   may "JDOM" appear in their name, without prior written permission
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
   "This product includes software developed by the
    JDOM Project (http://www.jdom.org/)."
Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,"
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

/*

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/input/SAXBuilder.java

No license file was found, but licenses were detected in source scan.

/__*/

$Id: IllegalNameException.java,v 1.14 2007/11/10 05:28:59 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org)."
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/IllegalNameException.java
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/IllegalAddException.java
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/
Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1- jar/org/jdom/adapters/JAXPDOMAdapter.java

No license file was found, but licenses were detected in source scan.

/\-


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products
   derived from this software without prior written permission.  For
   written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor
   may "JDOM" appear in their name, without prior written permission
   from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/adapters/DOMAdapter.java

No license file was found, but licenses were detected in source scan.

/"*/

$Id: NegateFilter.java,v 1.4 2007/11/10 05:29:00 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the
JDOM Project (http://www.jdom.org/).
Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
* /opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/filter/NegateFilter.java
No license file was found, but licenses were detected in source scan.

/*--


Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.
3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED `"AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/

Found in path(s):
*/opt/cola/permits/1136279776_1613727241.79/0/jdom-1-1-2-sources-1-jar/org/jdom/AttributeList.java
No license file was found, but licenses were detected in source scan.

/!*--

$Id: JDOMLocator.java,v 1.4 2007/11/10 05:29:01 jhunter Exp $

Copyright (C) 2000-2007 Jason Hunter & Brett McLaughlin.
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "JDOM" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact <request_AT_jdom_DOT_org>.

4. Products derived from this software may not be called "JDOM", nor may "JDOM" appear in their name, without prior written permission from the JDOM Project Management <request_AT_jdom_DOT_org>.

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

“This product includes software developed by the JDOM Project (http://www.jdom.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.jdom.org/images/logos.

THIS SOFTWARE IS PROVIDED ""AS IS"" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the JDOM Project and was originally created by Jason Hunter <jhunter_AT_jdom_DOT_org> and Brett McLaughlin <brett_AT_jdom_DOT_org>. For more information on the JDOM Project, please see <http://www.jdom.org/>.

*/
1.429 checker-compat-qual 2.0.0

1.430 icu 60

1.430.1 Available under license:

## -*-makefile-*- 
## Copyright (C) 2016 and later: Unicode, Inc. and others.
## License & terms of use: http://www.unicode.org/copyright.html
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
## Copyright (c) 1999-2013, International Business Machines Corporation and
## others. All Rights Reserved.

## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CC) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.S(STATIC_O): $(srcdir)/%.c
S(compile.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.S(STATIC_O): $(srcdir)/%.cpp
S(compile.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

### Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s/\(\$*\)\.o\[ :\]*/\1.o $@ : /g" > $@; \
[ -s $@ ]|| rm -f $@

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s/\(\$*\)\.o\[ :\]*/\1.o $@ : /g" > $@; \
[ -s $@ ]|| rm -f $@

### Versioned libraries rules
%.S(SO).$(SO_TARGET_VERSION_MAJOR): %.S(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.S(SO): %.S(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s {*F}.S(SO).$(SO_TARGET_VERSION) $@

### Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

### Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

### End BSD-specific setup
COPYRIGHT AND PERMISSION NOTICE (ICU 58 and later)

Copyright 1991-2020 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in https://www.unicode.org/copyright.html.
Permission is hereby granted, free of charge, to any person obtaining
a copy of the Unicode data files and any associated documentation
(the "Data Files") or Unicode software and any associated documentation
(the "Software") to deal in the Data Files or Software
without restriction, including without limitation the rights to use,
copy, modify, merge, publish, distribute, and/or sell copies of
the Data Files or Software, and to permit persons to whom the Data Files
or Software are furnished to do so, provided that either
(a) this copyright and permission notice appear with all copies
of the Data Files or Software, or
(b) this copyright and permission notice appear in associated
Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF
ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS
NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL
DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder
shall not be used in advertising or otherwise to promote the sale,
use or other dealings in these Data Files or Software without prior
written authorization of the copyright holder.

Third-Party Software Licenses

This section contains third-party software notices and/or additional
terms for licensed third-party software components included within ICU
libraries.

1. ICU License - ICU 1.8.1 to ICU 57.1

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2016 International Business Machines Corporation and others
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.


# The Google Chrome software developed by Google is licensed under
# the BSD license. Other software included in this distribution is
# provided under other licenses, as set forth below.
#
# The BSD License
# http://opensource.org/licenses/bsd-license.php
# Copyright (C) 2006-2008, Google Inc.
#
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are met:
#
# Redistributions of source code must retain the above copyright notice,
# this list of conditions and the following disclaimer.
# Redistributions in binary form must reproduce the above
# copyright notice, this list of conditions and the following
# disclaimer in the documentation and/or other materials provided with
# the distribution.
# Neither the name of Google Inc. nor the names of its
# contributors may be used to endorse or promote products derived from
# this software without specific prior written permission.
#
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
# CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
# LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
# CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
# SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
# BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
# LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
# NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
# SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
#
#
# The word list in cjdict.txt are generated by combining three word lists
# listed below with further processing for compound word breaking. The
# frequency is generated with an iterative training against Google web
# corpora.
#
# * Libtabe (Chinese)
#  - https://sourceforge.net/project/?group_id=1519
#  - Its license terms and conditions are shown below.
#
# * IPADIC (Japanese)
#  - http://chasen.aist-nara.ac.jp/chasen/distribution.html
#  - Its license terms and conditions are shown below.
#
# ------------COPYING.libtabe ---- BEGIN-------------------
#
# /*
# * Copyright (c) 1999 TaBE Project.
# * Copyright (c) 1999 Pai-Hsiang Hsiao.
# * All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * Redistributions in binary form must reproduce the above copyright
# * notice, this list of conditions and the following disclaimer in
# * the documentation and/or other materials provided with the
# * distribution.
# * Neither the name of the TaBE Project nor the names of its
# * contributors may be used to endorse or promote products derived
# * from this software without specific prior written permission.
# *
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
#
# /*
# * Copyright (c) 1999 Computer Systems and Communication Lab,
# * Institute of Information Science, Academia
# * Sinica. All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * Redistributions in binary form must reproduce the above copyright
# * notice, this list of conditions and the following disclaimer in
# * the documentation and/or other materials provided with the
# * distribution.
# * Neither the name of the Computer Systems and Communication Lab
# * nor the names of its contributors may be used to endorse or
# * promote products derived from this software without specific
# * prior written permission.
# *
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED

Open Source Used In CSPC_Collector 2.9.1 4147
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
#
# Copyright 1996 Chih-Hao Tsai @ Beckman Institute,
# University of Illinois
# c-tsai4@uiuc.edu http://casper.beckman.uiuc.edu/~c-tsai4
#
# --------------COPYING.libtable-----END-------------------------------
#
# --------------COPYING.ipadic-----BEGIN-------------------------------
#
# Copyright 2000, 2001, 2002, 2003 Nara Institute of Science
# and Technology. All Rights Reserved.
#
# Use, reproduction, and distribution of this software is permitted.
# Any copy of this software, whether in its original form or modified,
# must include both the above copyright notice and the following
# paragraphs.
#
# Nara Institute of Science and Technology (NAIST),
# the copyright holders, disclaims all warranties with regard to this
# software, including all implied warranties of merchantability and
# fitness, in no event shall NAIST be liable for
# any special, indirect or consequential damages or any damages
# whatsoever resulting from loss of use, data or profits, whether in an
# action of contract, negligence or other tortuous action, arising out
# of or in connection with the use or performance of this software.
#
# A large portion of the dictionary entries
# originate from ICOT Free Software. The following conditions for ICOT
# Free Software applies to the current dictionary as well.
#
# Each User may also freely distribute the Program, whether in its
# original form or modified, to any third party or parties, PROVIDED
# that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
# on, or be attached to, the Program, which is distributed substantially
# in the same form as set out herein and that such intended
# distribution, if actually made, will neither violate or otherwise
# contravene any of the laws and regulations of the countries having
# jurisdiction over the User or the intended distribution itself.
#
# NO WARRANTY
#
# The program was produced on an experimental basis in the course of the
# research and development conducted during the project and is provided
# to users as so produced on an experimental basis. Accordingly, the
# program is provided without any warranty whatsoever, whether express,
implied, statutory or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality,
performance, merchantability and fitness for a particular purpose of
the program and the nonexistence of any infringement or violation of
any right of any third party.

Each user of the program will agree and understand, and be deemed to
have agreed and understood, that there is no warranty whatsoever for
the program and, accordingly, the entire risk arising from or
otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other
organization that participated in or was otherwise related to the
development of the program and their respective officials, directors,
officers and other employees shall be held liable for any and all
damages, including, without limitation, general, special, incidental
and consequential damages, arising out of or otherwise in connection
with the use or inability to use the program or any product, material
or result produced or otherwise obtained by using the program,
regardless of whether they have been advised of, or otherwise had
knowledge of, the possibility of such damages at any time during the
project or thereafter. Each user will be deemed to have agreed to the
foregoing by his or her commencement of use of the program. The term
"use" as used herein includes, but is not limited to, the use,
modification, copying and distribution of the program and the
production of secondary products from the program.

In the case where the program, whether in its original form or
modified, was distributed or delivered to or received by a user from
any person, organization or entity other than ICOT, unless it makes or
grants independently of ICOT any specific warranty to the user in
writing, such person, organization or entity, will also be exempted
from and not be held liable to the user for any such damages as noted
above as far as the program is concerned.

-----------------COPYING.ipadic-----END----------------------------------

3. Lao Word Break Dictionary Data (laodict.txt)

Copyright (c) 2013 International Business Machines Corporation
and others. All Rights Reserved.

Project: http://code.google.com/p/lao-dictionary/
License: http://lao-dictionary.googlecode.com/git/Lao-Dictionary-LICENSE.txt
(copied below)

This file is derived from the above dictionary, with slight
# modifications.
# *-----------------------------------------------------------------------
# Copyright (C) 2013 Brian Eugene Wilson, Robert Martin Campbell.
# All rights reserved.
#
# Redistributions and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are met:
#
# Redistributions of source code must retain the above copyright notice, this
# list of conditions and the following disclaimer. Redistributions in
# binary form must reproduce the above copyright notice, this list of
# conditions and the following disclaimer in the documentation and/or
# other materials provided with the distribution.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
# INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# OF THE POSSIBILITY OF SUCH DAMAGE.
# *-----------------------------------------------------------------------

4. Burmese Word Break Dictionary Data (burmesedict.txt)

# Copyright (c) 2014 International Business Machines Corporation
# and others. All Rights Reserved.
#
# This list is part of a project hosted at:
# github.com/kanyawtech/myanmar-karen-word-lists
#
# *-----------------------------------------------------------------------
# Copyright (c) 2013, LeRoy Benjamin Sharon
# All rights reserved.
#
# Redistributions and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions
# are met: Redistributions of source code must retain the above
# copyright notice, this list of conditions and the following
# disclaimer. Redistributions in binary form must reproduce the
5. Time Zone Database

ICU uses the public domain data and code derived from Time Zone Database for its time zone support. The ownership of the TZ database is explained in BCP 175: Procedure for Maintaining the Time Zone Database section 7.

# 7. Database Ownership
#
# The TZ database itself is not an IETF Contribution or an IETF document. Rather it is a pre-existing and regularly updated work that is in the public domain, and is intended to remain in the public domain. Therefore, BCPs 78 [RFC5378] and 79 [RFC3979] do not apply to the TZ Database or contributions that individuals make to it. Should any claims be made and substantiated against the TZ Database, the organization that is providing the IANA Considerations defined in this RFC, under the memorandum of understanding with the IETF, currently ICANN, may act in accordance with all competent court orders. No ownership claims will be made by ICANN or the IETF Trust on the database or the code. Any person making a contribution to the database or code waives all rights to future claims in that contribution or in the TZ Database.

6. Google double-conversion
Copyright 2006-2011, the V8 project authors. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.431 expat 2.2.4

1.431.1 Available under license:

Copyright (c) 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper
Copyright (c) 2001-2019 Expat maintainers

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
1.432 tomcat-jsp-api 8.5.3

1.432.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * Licensed to the Apache Software Foundation (ASF) under one or more
 * contributor license agreements. See the NOTICE file distributed with
 * this work for additional information regarding copyright ownership.
 * The ASF licenses this file to You under the Apache License, Version 2.0
 * (the "License"); you may not use this file except in compliance with
 * the License. You may obtain a copy of the License at
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/tagext/TagVariableInfo.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/JspWriter.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/tagext/TagAttributeInfo.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/ErrorData.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/el/ScopedAttributeELResolver.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/tagext/ValidationMessage.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/el/VariableResolver.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/tagext/VariableInfo.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/tagext/TagLibraryInfo.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
jar/javax/servlet/jsp/tagext/BodyTag.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1.jar/javax/servlet/jsp/el/ELException.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1.jar/javax/servlet/jsp/tagext/BodyContent.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1.jar/javax/servlet/jsp/JspTagException.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1.jar/javax/servlet/jsp/tagext/BodyTagSupport.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1.jar/javax/servlet/jsp/JspApplicationContext.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1.jar/javax/servlet/jsp/tagext/TagAdapter.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1.jar/javax/servlet/jsp/SkipPageException.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1.jar/javax/servlet/jsp/el/ExpressionEvaluator.java

No license file was found, but licenses were detected in source scan.

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Found in path(s):
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1.jar/javax/servlet/jsp/resources/jspxml.dtd
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1.jar/javax/servlet/jsp/resources/jspxml.xsd

No license file was found, but licenses were detected in source scan.

/*
* Licensed to the Apache Software Foundation (ASF) under one or more
* contributor license agreements. See the NOTICE file distributed with
* this work for additional information regarding copyright ownership.
* The ASF licenses this file to You under the Apache License, Version 2.0
* (the "License"); you may not use this file except in compliance with
* the License. You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/tagext/JspIdConsumer.java
No license file was found, but licenses were detected in source scan.

/*
* Licensed to the Apache Software Foundation (ASF) under one or more
* contributor license agreements. See the NOTICE file distributed with
* this work for additional information regarding copyright ownership.
* The ASF licenses this file to You under the Apache License, Version 2.0
* (the "License"); you may not use this file except in compliance with
* the License. You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/tagext/TagSupport.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/tagext/PageData.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/tagext/SimpleTag.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/tagext/JspTag.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/el/Expression.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/tagext/TagExtraInfo.java
* /opt/cola/permits/1137994450_1614192754.08/0/tomcat-jsp-api-8-5-3-sources-1-
  jar/javax/servlet/jsp/JspContext.java
1.434 tcp-dump 4.9.3-1.el8
1.434.1 Available under license:
License: BSD

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The names of the authors may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

1.435 libedit 3.1-23.20170329cvs.el8
1.435.1 Available under license:
Copyright (c) 1992, 1993
The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by Christos Zoulas of Cornell University.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.436 unzip 6.0 43.el8

1.436.1 Available under license :

This is version 2009-Jan-02 of the Info-ZIP license.
The definitive version of this document should be available at
ftp://ftp.info-zip.org/pub/infozip/license.html indefinitely and

Copyright (c) 1990-2009 Info-ZIP. All rights reserved.

For the purposes of this copyright and license, "Info-ZIP" is defined as
the following set of individuals:

Mark Adler, John Bush, Karl Davis, Harald Denker, Jean-Michel Dubois,
Jean-loup Gailly, Hunter Goatley, Ed Gordon, Ian Gorman, Chris Herborth,
Dirk Haase, Greg Hartwig, Robert Heath, Jonathan Hudson, Paul Kienitz,
David Kirschbaum, Johnny Lee, Onno van der Linden, Igor Mandrichenko,
Steve P. Miller, Sergio Monesi, Keith Owens, George Petrov, Greg Roelofs,
Kai Uwe Rommel, Steve Salisbury, Dave Smith, Steven M. Schweda,
Christian Spieler, Cosmin Truta, Antoine Verheijen, Paul von Behren,
Rich Wales, Mike White.

This software is provided "as is," without warranty of any kind, express
or implied. In no event shall Info-ZIP or its contributors be held liable
for any direct, indirect, incidental, special or consequential damages
arising out of the use of or inability to use this software.

Permission is granted to anyone to use this software for any purpose,
including commercial applications, and to alter it and redistribute it
freely, subject to the above disclaimer and the following restrictions:

1. Redistributions of source code (in whole or in part) must retain
the above copyright notice, definition, disclaimer, and this list
of conditions.

2. Redistributions in binary form (compiled executables and libraries)
must reproduce the above copyright notice, definition, disclaimer, and this list of conditions in documentation and/or other materials provided with the distribution. Additional documentation is not needed for executables where a command line license option provides these and a note regarding this option is in the executable's startup banner. The sole exception to this condition is redistribution of a standard UnZipSFX binary (including SFXWiz) as part of a self-extracting archive; that is permitted without inclusion of this license, as long as the normal SFX banner has not been removed from the binary or disabled.

3. Altered versions—including, but not limited to, ports to new operating systems, existing ports with new graphical interfaces, versions with modified or added functionality, and dynamic, shared, or static library versions not from Info-ZIP—must be plainly marked as such and must not be misrepresented as being the original source or, if binaries, compiled from the original source. Such altered versions also must not be misrepresented as being Info-ZIP releases—including, but not limited to, labeling of the altered versions with the names "Info-ZIP" (or any variation thereof, including, but not limited to, different capitalizations), "Pocket UnZip," "WiZ" or "MacZip" without the explicit permission of Info-ZIP. Such altered versions are further prohibited from misrepresentative use of the Zip-Bugs or Info-ZIP e-mail addresses or the Info-ZIP URL(s), such as to imply Info-ZIP will provide support for the altered versions.


This is the Info-ZIP file COPYING (for UnZip), last updated 17 Jul 2000.

FIRST NOTE:
This file contains some details about the copyright history of contributions to the UnZip project. Additionally, it summarises some exceptions to the general BSD-like copyright found in LICENSE that covers our generic code and most of the system specific ports. Please read LICENSE first to find out what is allowed to do with Info-ZIP's UnZip code.

There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware): Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port). These copyrights
are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/*"), Steve P. Miller (Pocket UnZip GUI "wince/*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding _in an apparatus that performs LZW encoding_, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP License. Therefore, support for the reduce method has been removed. The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

* MoreFiles
* A collection of File Manager and related routines
* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
* with significant code contributions by Nitin Ganatra
* (Apple Macintosh Developer Technical Support Emeritus)
* Portions copyright 1995 Jim Luther
* All rights reserved.
* The Package "More Files" is distributed under the following
* license terms:
*
* "You may incorporate this sample code into your
* applications without restriction, though the
* sample code has been provided "AS IS" and the
* responsibility for its operation is 100% yours.
* However, what you are not permitted to do is to
* redistribute the source as "DSC Sample Code" after
* having made changes. If you're going to
* redistribute the source, we require that you make
* it clear in the source that the code was descended
* from Apple Sample Code, but that you've made
* changes."

The usage terms of this copyright note are compatible with the
Info-ZIP license, they do not add further restrictions.

The following copyright applies to the Mac OS "macbin3" decoding code
(extra field compatibility with ZipIt):

* MacBinaryIII.h
* Copyright 1997 Christopher Evans (cevans@poppybank.com)
* Basic encoding and decoding of Macintosh files to the
* MacBinary III spec.
* --------------------------------------------------------------------------------
* This source is copyrighted by Christopher Evans (cevans@poppybank.com)
* (available at ftp://ftp.lazerware.com/MacBinaryIII_src_C.sit
* homepage of Leonard Rosenthal leonardr@netcom.com)

This copyright note does not contain any usage terms. So, we assume
that this code is freely reusable until we are proved wrong...

--------------------------------------------------------------------------------

The remaining copyright notes have been superseeded by the new
Info-ZIP license, with explicit permission from the respective original authors. They are cited here for historical reasons, only:

The following copyright applies to the full-featured unreduce.c (now distributed separately):

* Copyright 1989 Samuel H. Smith; All rights reserved
* Do not distribute modified versions without my permission.
* Do not remove or alter this notice or any other copyright notice.
* If you use this in your own program you must distribute source code.
* Do not use any of this in a commercial product.

Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

-----

The following copyright applied to most of the VMS code in vms.c, distributed with UnZip version 4.2 and later:

* Copyright (c) 1992-93 Igor Mandrichenko.
* Permission is granted to any individual or institution to use, copy, or redistribute this software so long as all of the original files are included unmodified and that this copyright notice is retained.

-----

The following copyright applied to the new version of unshrink.c, distributed with UnZip version 5.2 and later:
* Copyright (c) 1994 Greg Roelofs.
* Permission is granted to any individual/institution/corporate
* entity to use, copy, redistribute or modify this software for
* any purpose whatsoever, subject to the conditions noted in the
* Frequently Asked Questions section below, plus one additional
* condition: namely, that my name not be removed from the source
* code. (Other names may, of course, be added as modifications
* are made.) Corporate legal staff (like at IBM :-) ) who have
* problems understanding this can contact me through Zip-Bugs...

-----

The following copyright applied to the Windows DLL code (windll/*),
distributed with UnZip version 5.2 and later:

* Copyright (c) 1996 Mike White.
* Permission is granted to any individual or institution to use,
* copy, or redistribute this software so long as all of the original
* files are included, that it is not sold for profit, and that this
* copyright notice is retained.

-----

The following copyright applied to the Windows CE GUI port, `Pocket
UnZip,' distributed with UnZip version 5.3 and later:

* All the source files for Pocket UnZip, except for components
* written by the Info-ZIP group, are copyrighted 1997 by Steve P.
* Miller. The product "Pocket UnZip" itself is property of the
* author and cannot be altered in any way without written consent
* from Steve P. Miller.

-----

The remaining code was written by many people associated with the
Info-ZIP group, with large contributions from (but not limited to):
Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
others. See the file CONTRIBUTIONS in the source distribution for a much
more complete list of contributors.
The decompression core code for the deflate method (inflate.[ch],
explode.c) was originally written by Mark Adler who submitted it
as public domain code.

---------------------------------------------------------------------------------------------------
1.437 commons-logging 1.1

1.437.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2005 The Apache Software Foundation.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-jar/org/apache/commons/logging/impl/ServletContextCleaner.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2001-2006 The Apache Software Foundation.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-jar/org/apache/commons/logging/LogFactory.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2004 The Apache Software Foundation.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *     http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
  jar/org/apache/commons/logging/impl/WeakHashtable.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2001-2004,2006 The Apache Software Foundation.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *     http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
  jar/org/apache/commons/logging/impl/AvalonLogger.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2001-2004 The Apache Software Foundation.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *     http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
  jar/org/apache/commons/logging/impl/AvalonLogger.java
No license file was found, but licenses were detected in source scan.
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
  jar/org/apache/commons/logging/impl/Jdk13LumberjackLogger.java
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
  jar/org/apache/commons/logging/Log.java
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
  jar/org/apache/commons/logging/impl/LogFactoryImpl.java
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
  jar/org/apache/commons/logging/impl/Log4JLogger.java
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
  jar/org/apache/commons/logging/LogSource.java
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
  jar/org/apache/commons/logging/impl/NoOpLog.java
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
  jar/org/apache/commons/logging/impl/LogConfigurationException.java
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
  jar/org/apache/commons/logging/impl/Jdk14LLogger.java
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
  jar/org/apache/commons/logging/impl/LogKitLogger.java
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
  jar/org/apache/commons/logging/impl/SimpleLog.java

No license file was found, but licenses were detected in source scan.

2004 The Apache Software Foundation.

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Found in path(s):
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-jar/org/apache/commons/logging/impl/package.html
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-jar/org/apache/commons/logging/package.html

1.438 derby-tools 10.14.2.0
1.438.1 Available under license :

========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the Apache Derby distribution.    ==
========================================================================

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
"Software Grant and Corporate Contribution License Agreement",
informally known as the "Derby CLA".

The portion of the functionTests under 'nist' was originally
developed by the National Institute of Standards and Technology (NIST),
an agency of the United States Department of Commerce, and adapted by
International Business Machines Corporation in accordance with the NIST
Software Acknowledgment and Redistribution document at
http://www.itl.nist.gov/div897/ctg/sql_form.htm

The XSL stylesheets in the documentation source directory 'lib'
were originally developed by the DITA Open Toolkit project as part
of DITA-OT 1.1.2.1. These files are copyright 2004, 2005 IBM Corp.
and licensed under the Apache License Version 2.0. See DITA project
page at http://dita-ot.sourceforge.net/

HEAR YE, HEAR YE!

All of the .java software and associated documentation about
SAX in this repository are distributed freely in the
public domain.
LICENSE.sax.txt covers all software and documentation from the megginson.com including the following in the xml-commons project:

xml-commons/java/external/src/org/xml/sax
   and all subdirectories
xml-commons/java/external/xdocs/sax
   and all subdirectories

The actual SAX classes in xml-commons came from:
   http://www.megginson.com/Software/index.html
The original versions are tagged 'SAX-2_0-r2-prerelease'

This license came from: http://www.w3.org/Consortium/Legal/copyright-documents-20021231

W3C DOCUMENT LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231

Public documents on the W3C site are provided by the copyright holders under the following license. By using and/or copying this document, or the W3C document from which this statement is linked, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions:

Permission to copy, and distribute the contents of this document, or the W3C document from which this statement is linked, in any medium for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the document, or portions thereof, that you use:

1. A link or URL to the original W3C document.
2. The pre-existing copyright notice of the original author, or if it doesn't exist, a notice (hypertext is preferred, but a textual representation is permitted) of the form: "Copyright [date-of-document] World Wide Web Consortium, (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University). All Rights Reserved. http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231"
3. If it exists, the STATUS of the W3C document.

When space permits, inclusion of the full text of this NOTICE should be provided. We request that authorship attribution be provided in any software, documents, or other items or products that you create pursuant to the implementation of the contents of this document, or any portion thereof.
No right to create modifications or derivatives of W3C documents is granted pursuant to this license. However, if additional requirements (documented in the Copyright FAQ) are satisfied, the right to create modifications or derivatives is sometimes granted by the W3C to individuals complying with those requirements.

THIS DOCUMENT IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR TITLE; THAT THE CONTENTS OF THE DOCUMENT ARE SUITABLE FOR ANY PURPOSE; NOR THAT THE IMPLEMENTATION OF SUCH CONTENTS WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE DOCUMENT OR THE PERFORMANCE OR IMPLEMENTATION OF THE CONTENTS THEREOF.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to this document or its contents without specific, written prior permission. Title to copyright in this document will at all times remain with copyright holders.

--------------------------------------------------------------------------------

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, moves information on style sheets, DTDs, and schemas to the Copyright FAQ, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". See the older formulation for the policy prior to this date. Please see our Copyright FAQ for common questions about using materials from our site, such as the translating or annotating specifications. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <site-policy@w3.org>

Last revised by Reagle $Date: 2005/06/03 22:49:13 $

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties of MERCHANTABILITY, TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

========================================================================
==  NOTICE file corresponding to section 4(d) of the Apache License,   
==  Version 2.0, in this case for the Apache Derby distribution.     
==                                                                 
==  DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED                   
==  BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE.       
==                                                                 
========================================================================

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

========================================================================

Portions of Derby were originally developed by
International Business Machines Corporation and are licensed to the Apache Software Foundation under the "Software Grant and Corporate Contribution License Agreement", informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code with which this file is now or was at one time distributed and are placed here unaltered.
The portion of the functionTests under 'nist' was originally
developed by the National Institute of Standards and Technology (NIST),
an agency of the United States Department of Commerce, and adapted by
International Business Machines Corporation in accordance with the NIST
Software Acknowledgment and Redistribution document at
http://www.itl.nist.gov/div897/ctg/sql_form.htm

The Derby build relies on source files supplied by the Apache Felix
project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
- Apache License 2.0
- BSD License

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects,
including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license
and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such
as the Unicode Character Database. See http://unicode.org/copyright.html for more
details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were
automatically generated with the moman/finenight FSA library, created by
Jean-Philippe Barrette-LaPierre. This library is available under an MIT license,
see http://sites.google.com/site/rrettesite/moman and
http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from
the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0.
See http://code.google.com/p/google-code-prettify/
JUnit (junit-4.10) is licensed under the Common Public License v. 1.0
See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin
g Package (jaspell): http://jaspell.sourceforge.net/
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
    analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
    analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
    http://snowball.tartarus.org/

The KStem stemmer in
    analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
    analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
    analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianMinimalStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/it/ItalianMinimalStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseMinimalStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil,
The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST),
the copyright holders, disclaims all warranties with regard to this
software, including all implied warranties of merchantability and
fitness, in no event shall NAIST be liable for
any special, indirect or consequential damages or any damages
whatsoever resulting from loss of use, data or profits, whether in an
action of contract, negligence or other tortuous action, arising out
of or in connection with the use or performance of this software.

A large portion of the dictionary entries
originate from ICOT Free Software. The following conditions for ICOT
Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its
original form or modified, to any third party or parties, PROVIDED
that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
on, or be attached to, the Program, which is distributed substantially
in the same form as set out herein and that such intended
distribution, if actually made, will neither violate or otherwise
contravene any of the laws and regulations of the countries having
jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the
research and development conducted during the project and is provided
to users as so produced on an experimental basis. Accordingly, the
program is provided without any warranty whatsoever, whether express,
implied, statutory or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality,
performance, merchantability and fitness for a particular purpose of
the program and the nonexistence of any infringement or violation of
any right of any third party.

Each user of the program will agree and understand, and be deemed to
have agreed and understood, that there is no warranty whatsoever for
the program and, accordingly, the entire risk arising from or
otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other
organization that participated in or was otherwise related to the
development of the program and their respective officials, directors,
officers and other employees shall be held liable for any and all
damages, including, without limitation, general, special, incidental
and consequential damages, arising out of or otherwise in connection
with the use or inability to use the program or any product, material
or result produced or otherwise obtained by using the program,
regardless of whether they have been advised of, or otherwise had
knowledge of, the possibility of such damages at any time during the
project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/. The JSON simple jar file is licensed under the Apache 2.0 License. No other notice covers that jar file.

Apache FOP
Copyright 1999-2006 The Apache Software Foundation

This product includes software developed at The Apache Software Foundation (http://www.apache.org/).

This software consists of voluntary contributions made by many individuals on behalf of The Apache Software Foundation and was originally created by James Tauber <jtauber@jtauber.com>.

Apache XML Graphics Commons
Copyright 2006 The Apache Software Foundation

This product includes software developed at The Apache Software Foundation (http://www.apache.org/).

== NOTICE file corresponding to section 4(d) of the Apache License, Version 2.0, in this case for the Apache xml-commons xml-apis distribution. ==

This product includes software developed by The Apache Software Foundation (http://www.apache.org/).

Portions of this software were originally based on the following:
- software copyright (c) 2000 World Wide Web Consortium, http://www.w3.org
This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

This product is developed by the Apache Avalon Project.
http://avalon.apache.org

The names "Avalon" and "Merlin" must not be used to endorse or promote products derived from this software without prior written permission.
For written permission, please contact pmc@avalon.apache.org.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.
5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Obtained from: http://www.srgb.com/usingsrgb.html

The file "sRGB Color Space Profile.icm" is:
Copyright (c) 1998 Hewlett-Packard Company

To anyone who acknowledges that the file "sRGB Color Space Profile.icm" is provided "AS IS" WITH NO EXPRESS OR IMPLIED WARRANTY: permission to use, copy and distribute this file for any purpose is hereby granted without fee, provided that the file is not changed including the HP copyright notice tag, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

This license came from: http://www.w3.org/Consortium/Legal/copyright-software-20021231

W3C SOFTWARE NOTICE AND LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231
This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.
3. Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.
Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Some code in core/src/java/org/apache/lucene/util/UnicodeUtil.java was
derived from unicode conversion examples available at
http://www.unicode.org/Public/PROGRAMS/CVTUTF. Here is the copyright
from those sources:

/*
 * Copyright 2001-2004 Unicode, Inc.
 *
 * Disclaimer
 *
 * This source code is provided as is by Unicode, Inc. No claims are
 * made as to fitness for any particular purpose. No warranties of any
 * kind are expressed or implied. The recipient agrees to determine
 * applicability of information provided. If this file has been
 * purchased on magnetic or optical media from Unicode, Inc., the
 * sole remedy for any claim will be exchange of defective media
 * within 90 days of receipt.
 *
 * Limitations on Rights to Redistribute This Code
 *
 * Unicode, Inc. hereby grants the right to freely use the information
 * supplied in this file in the creation of products supporting the
 * Unicode Standard, and to make copies of this file in any form
 * for internal or external distribution as long as this notice
 * remains attached.
 */

Some code in core/src/java/org/apache/lucene/util/ArrayUtil.java was
derived from Python 2.4.2 sources available at
http://www.python.org. Full license is here:
Some code in core/src/java/org/apache/lucene/util/UnicodeUtil.java was derived from Python 3.1.2 sources available at http://www.python.org. Full license is here:

http://www.python.org/download/releases/2.4.2/license/

Some code in core/src/java/org/apache/lucene/util/automaton was derived from Brics automaton sources available at www.brics.dk/automaton/. Here is the copyright from those sources:

/*
 * Copyright (c) 2001-2009 Anders Moeller
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
 * documentation and/or other materials provided with the distribution.
 * 3. The name of the author may not be used to endorse or promote products
 * derived from this software without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
 * IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
 * IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
 * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
 * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
 * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */

The levenshtein automata tables in core/src/java/org/apache/lucene/util/automaton were automatically generated with the moman/finenight FSA package.

Here is the copyright for those sources:

# Copyright (c) 2010, Jean-Philippe Barrette-LaPierre, <jpb@rrette.com>
#
# Permission is hereby granted, free of charge, to any person
# obtaining a copy of this software and associated documentation
files (the "Software"), to deal in the Software without
restriction, including without limitation the rights to use,
copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following
conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES
OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT
HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,
WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING
FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR
OTHER DEALINGS IN THE SOFTWARE.

Some code in core/src/java/org/apache/lucene/util/UnicodeUtil.java was
derived from ICU (http://www.icu-project.org)
The full license is available here:
http://source.icu-project.org/repos/icu/icu/trunk/license.html

/*
 * Copyright (C) 1999-2010, International Business Machines
 * Corporation and others. All Rights Reserved.
 *
 * Permission is hereby granted, free of charge, to any person obtaining a copy
 * of this software and associated documentation files (the "Software"), to deal
 * in the Software without restriction, including without limitation the rights
 * to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the
 * Software, and to permit persons to whom the Software is furnished to do so,
 * provided that the above copyright notice(s) and this permission notice appear
 * in all copies of the Software and that both the above copyright notice(s) and
 * this permission notice appear in supporting documentation.
 *
 * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
 * IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
 * FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS.
 * IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE
 * LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR
 * ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER
 * IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT
 * OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
 *
 * Except as contained in this notice, the name of a copyright holder shall not
 * be used in advertising or otherwise to promote the sale, use or other
* dealings in this Software without prior written authorization of the
* copyright holder.
*/

The following license applies to the Snowball stemmers:

Copyright (c) 2001, Dr Martin Porter
Copyright (c) 2002, Richard Boulton
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice,
  this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
* Neither the name of the copyright holders nor the names of its contributors
  may be used to endorse or promote products derived from this software
  without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following license applies to the KStemmer:

Copyright 2003,
Center for Intelligent Information Retrieval,
University of Massachusetts, Amherst.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation
and/or other materials provided with the distribution.

3. The names "Center for Intelligent Information Retrieval" and "University of Massachusetts" must not be used to endorse or promote products derived from this software without prior written permission. To obtain permission, contact info@ciir.cs.umass.edu.

THIS SOFTWARE IS PROVIDED BY UNIVERSITY OF MASSACHUSETTS AND OTHER CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following license applies to the Morfologik project:

Copyright (c) 2006 Dawid Weiss
Copyright (c) 2007-2011 Dawid Weiss, Marcin Mikowski
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Morfologik nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
The dictionary comes from Morfologik project. Morfologik uses data from Polish ispell/myspell dictionary hosted at http://www.sjp.pl/slownik/en/ and is licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike. The part-of-speech tags were added in Morfologik project and are not found in the data from sjp.pl. The tagset is similar to IPI PAN tagset.

The following license applies to the Morfeusz project, used by org.apache.lucene.analysis.morfologik.

BSD-licensed dictionary of Polish (SGJP)
http://sgjp.pl/morfeusz/

Copyright 2011 Zygmunt Saloni, Wodzimierz Gruszczyski, Marcin Woliski, Robert Woosz

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY COPYRIGHT HOLDERS AS IS AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
HEAR YE, HEAR YE!

All of the .java software and associated documentation about the DOM in this repository are distributed under the license from the W3C, which is provided herein.

LICENSE.dom-software.txt covers all software from the W3C including the following items in the xml-commons project:

xml-commons/java/external/src/org/w3c
and all subdirectories

LICENSE.dom-documentation.txt covers all documentation from the W3C including the following items in the xml-commons project:

xml-commons/java/external/xdocs/dom
and all subdirectories

The actual DOM Java Language Binding classes in xml-commons came from:
http://www.w3.org/TR/2000/REC-DOM-Level-2-Core-20001113/java-binding.html
The original versions are tagged 'DOM_LEVEL_2'

The specification of DOM Level 2's various parts is at:
http://www.w3.org/TR/2000/REC-DOM-Level-2-Core-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Views-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Style-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Traversal-Range-20001113/

The following copyright notice(s) were affixed to portions of the code with which this file is now or was at one time distributed and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.
=========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the Apache Derby distribution. ==
=========================================================================

Apache Derby
Copyright 2004-2006 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).
Portions of Derby were originally developed by International Business Machines Corporation and are licensed to the Apache Software Foundation under the "Software Grant and Corporate Contribution License Agreement", informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code with which this file is now or was at one time distributed and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

The portion of the functionTests under 'nist' was originally developed by the National Institute of Standards and Technology (NIST), an agency of the United States Department of Commerce, and adapted by International Business Machines Corporation in accordance with the NIST Software Acknowledgment and Redistribution document at http://www.itl.nist.gov/div897/ctg/sql_form.htm

Apache Lucene
Copyright 2014 The Apache Software Foundation

This product includes software developed by The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects, including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpbarrette/moman/overview/
The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0. See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0 See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checking Package (jaspell): http://jaspell.sourceforge.net/ License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in

   analysis/common/src/java/net/sf/snowball

were developed by Martin Porter and Richard Boulton.

The snowball stopword lists in

   analysis/common/src/resources/org/apache/lucene/analysis/snowball

were developed by Martin Porter and Richard Boulton.

The full snowball package is available from http://snowball.tartarus.org/

The KStem stemmer in

   analysis/common/src/org/apache/lucene/analysis/en

was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:

   analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt


The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

   analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java

   analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz
mecab-ipadic-2.7.0-20070801 Notice

Nara Institute of Science and Technology (NAIST),
the copyright holders, disclaims all warranties with regard to this
software, including all implied warranties of merchantability and
fitness, in no event shall NAIST be liable for
any special, indirect or consequential damages or any damages
whatsoever resulting from loss of use, data or profits, whether in an
action of contract, negligence or other tortuous action, arising out
of or in connection with the use or performance of this software.

A large portion of the dictionary entries
originate from ICOT Free Software. The following conditions for ICOT
Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its
original form or modified, to any third party or parties, PROVIDED
that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
on, or be attached to, the Program, which is distributed substantially
in the same form as set out herein and that such intended
distribution, if actually made, will neither violate or otherwise
contravene any of the laws and regulations of the countries having
jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the
research and development conducted during the project and is provided
to users as so produced on an experimental basis. Accordingly, the
program is provided without any warranty whatsoever, whether express,
implied, statutory or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality,
performance, merchantability and fitness for a particular purpose of
the program and the nonexistence of any infringement or violation of
any right of any third party.

Each user of the program will agree and understand, and be deemed to
have agreed and understood, that there is no warranty whatsoever for
the program and, accordingly, the entire risk arising from or
otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other
organization that participated in or was otherwise related to the
development of the program and their respective officials, directors,
oficers and other employees shall be held liable for any and all
damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

This license came from: http://www.megginson.com/SAX/copying.html
However please note future versions of SAX may be covered under http://saxproject.org/?selected=pd

This page is now out of date -- see the new SAX site at http://www.saxproject.org/ for more up-to-date releases and other information. Please change your bookmarks.

SAX2 is Free!

I hereby abandon any property rights to SAX 2.0 (the Simple API for XML), and release all of the SAX 2.0 source code, compiled code, and documentation contained in this distribution into the Public Domain. SAX comes with NO WARRANTY or guarantee of fitness for any purpose.

David Megginson, david@megginson.com
2000-05-05

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
   that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.439 tomcat-juli 8.5.3

1.439.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work,
excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Apache Tomcat
Copyright 1999-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

1.440 gobject-introspection 1.56.1 1.el8

1.440.1 Available under license :

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some
specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.
The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work
which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library’s complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.
14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the GNU
Library General Public License for more details.

You should have received a copy of the GNU Library General Public
License along with this library; if not, write to the
Free Software Foundation, Inc., 59 Temple Place - Suite 330,
Boston, MA 02111-1307 USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
Adam Sampson
Adel Gadallah
Alan Knowles
Alexey Zakhlestin
Andreas Rottmann
Bastien Nocera
Brian Cameron
Chris Rivera
Christian Persch
Christophe Fergeau
Colin Walters
C. Scott Ananian
Damien Lespiau
Danielle Madeley
Dan Winship
David Ignacio
David Zeuthen
Simm Pena
Stefan Kost
Steve Frcaux
Theppital Karoonboonyanan
Tim Horton
Tobias Mueller
Tomeu Vizoso
Tommi Komulainen
Tor Lillqvist
Torsten Schnefeld
Tristan Van Berkom
Xan Lopez
Zachary Goldberg

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

gobject-introspection has two licenses; one for the typelib library, and one for the tools.

The scanner (giscanner/) and typelib libraries (girepository/) are licensed under the LGPLv2+. See the file COPYING.LGPL.

The tools (tools/) are licensed under the GPLv2+. See the file COPYING.GPL.

There is also some MIT code in giscanner/. In general where applicable files should have headers denoting their license status; if they do not, please file a bug at https://gitlab.gnome.org/GNOME/gobject-introspection/issues.

1.441 ncurses 6.1
1.441.1 Available under license:
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *
License: X11

Files: aclocal.m4 package
Copyright: 2003-2017,2018 by Thomas E. Dickey
License: X11

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, distribute with modifications, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE ABOVE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name(s) of the above copyright holders shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization.

-------------------------------------------------------------------------------
Files: install-sh
Copyright: 1994 X Consortium
Licence: X11

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.
FSF changes to this file are in the public domain.

Calling this script install-sh is preferred over install.sh, to prevent `make` implicit rules from creating a file called install from it when there is no Makefile.

This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

On Debian systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL-2`

-- vile: txtmode file-encoding=utf-8
Copyright (c) 1998-2017,2018 Free Software Foundation, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, distribute with modifications, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE ABOVE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name(s) of the above copyright holders shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization.

-- vile: txtmode fc=72
-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, distribute with modifications, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE ABOVE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name(s) of the above copyright holders shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization.
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

Files: progs/tset.c ncurses/tinfo/read_termcap.c
License: BSD

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-- vile: txtmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html
Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *
Licence: X11

Files: aclocal.m4 package
Copyright: 2010-2017,2018 by Thomas E. Dickey
Licence: X11

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, distribute with modifications, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE ABOVE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name(s) of the above copyright holders shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization.

Files: install-sh
Copyright: 1994 X Consortium
Licence: X11

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

FSF changes to this file are in the public domain.

Calling this script install-sh is preferred over install.sh, to prevent `make' implicit rules from creating a file called install from it when there is no Makefile.

This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

On Debian systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL-2'

--- vile: txtmode file-encoding=utf-8

1.442 tevent 0.10.2-2.el8

1.442.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer
system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.
If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

1.443 libksba 1.3.5 7.el8

1.443.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work
in a fashion requiring copyright permission, other than the making of an
effect copy. The resulting work is called a "modified version" of the
earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based
on the Program.

To "propagate" a work means to do anything with it that, without
permission, would make you directly or secondarily liable for
infringement under applicable copyright law, except executing it on a
computer or modifying a private copy. Propagation includes copying,
distribution (with or without modification), making available to the
public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other
parties to make or receive copies. Mere interaction with a user through
a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices"
to the extent that it includes a convenient and prominently visible
feature that (1) displays an appropriate copyright notice, and (2)
tells the user that there is no warranty for the work (except to the
extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source
form of a work.

A "Standard Interface" means an interface that either is an official
standard defined by a recognized standards body, or, in the case of
interfaces specified for a particular programming language, one that
is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.
The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.
No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent
that they are valid under applicable law. If additional permissions
apply only to part of the Program, that part may be used separately
under those permissions, but the entire Program remains governed by
this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part of
it. (Additional permissions may be written to require their own
removal in certain cases when you modify the work.) You may place
additional permissions on material, added by you to a covered work,
for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you
add to a covered work, you may (if authorized by the copyright holders of
that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the
terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or
author attributions in that material or in the Appropriate Legal
Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or
requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.
Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for
11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify
or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.
The Free Software Foundation may publish revised and/or new versions of
the GNU General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the
Program specifies that a certain numbered version of the GNU General
Public License "or any later version" applies to it, you have the
option of following the terms and conditions either of that numbered
version or of any later version published by the Free Software
Foundation. If the Program does not specify a version number of the
GNU General Public License, you may choose any version ever published
by the Free Software Foundation.

If the Program specifies that a proxy can decide which future
versions of the GNU General Public License can be used, that proxy’s
public statement of acceptance of a version permanently authorizes you
to choose that version for the Program.

Later license versions may give you additional or different
permissions. However, no additional obligations are imposed on any
author or copyright holder as a result of your choosing to follow a
later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

Open Source Used In CSPC_Collector 2.9.1 4251
If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see http://www.gnu.org/licenses/.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>. KSBA is distributed under mixed GPL and LGPL licenses. Please see the file AUTHOR for details. The text of the used licenses can be found in the files:

COPYING.LGPLv3
COPYING.GPLv3
COPYING.GPLv2

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the
Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the
Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.
1.444 libteam 1.28 4.el8
1.444.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them.
with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author’s reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:
a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.445 jetty-quickstart 9.4.11.v20180605

1.446 hk2-locator 2.5.0-b42

1.447 commons-fileupload 1.3.3
1.447.1 Available under license:

Apache Commons FileUpload
Copyright 2002-2017 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and

Open Source Used In CSPC_Collector 2.9.1  4276
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at
1.448 endpoints 1441928702

1.448.1 Available under license:

No license file was found, but licenses were detected in source scan.

<url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>

Found in path(s):

1.449 httpcomponents-core 4.2

1.449.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS
Apache HttpComponents Core
Copyright 2005-2012 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

This project contains annotations derived from JCIP-ANNOTATIONS
Copyright (c) 2005 Brian Goetz and Tim Peierls. See http://www.jcip.net

1.450 ca-certificates 2019.2.32 80.0.el8_1

1.450.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placing the copyright holder. Under certain circumstances, this License may also apply to a module as defined in section 2. Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than 'show w' and 'show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
'Gnomovision' (which makes passes at compilers) written by James Hacker.
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.451 activemq-shiro 5.15.14
1.451.1 Available under license :

ActiveMQ :: Shiro
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."
"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

-------------------------------------------------------------------------

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010
libffi - Copyright (c) 1996-2014  Anthony Green, Red Hat, Inc and others.  
See source files for details.

Permission is hereby granted, free of charge, to any person obtaining 
a copy of this software and associated documentation files (the 
"Software"), to deal in the Software without restriction, including 
without limitation the rights to use, copy, modify, merge, publish, 
distribute, sublicense, and/or sell copies of the Software, and to 
permit persons to whom the Software is furnished to do so, subject to 
the following conditions:

The above copyright notice and this permission notice shall be 
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, 
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF 
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. 
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY 
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, 
TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE 
SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies 
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts 
as the successor of the GNU Library Public License, version 2, hence 
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your 
freedom to share and change it. By contrast, the GNU General Public 
Licenses are intended to guarantee your freedom to share and change 
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some 
specially designated software packages--typically libraries--of the 
Free Software Foundation and other authors who decide to use it. You 
can use it too, but we suggest you first think carefully about whether 
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.
When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or
other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.
b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least
three years, to give the same user the materials specified in
Subsection 6a, above, for a charge no more than the cost of
performing this distribution.

d) If distribution of the work is made by offering access to copy

from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply, and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved.
This software is not subject to any license of the American Telephone
and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on
any computer system, and to alter it and redistribute it, subject
to the following restrictions:

1. The author is not responsible for the consequences of use of this
software, no matter how awful, even if they arise from flaws in it.

2. The origin of this software must not be misrepresented, either by
explicit claim or by omission. Since few users ever read sources,
credits must appear in the documentation.

3. Altered versions must be plainly marked as such, and must not be
misrepresented as being the original software. Since few users
ever read sources, credits must appear in the documentation.

4. This notice may not be removed or altered.

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
/*
 * Copyright (c) 1994
 * The Regents of the University of California. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 * 4. Neither the name of the University nor the names of its contributors
 *    may be used to endorse or promote products derived from this software
 *    without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

Open Source Used In CSPC_Collector 2.9.1 4314
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT 
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY 
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF 
* SUCH DAMAGE.
*
* @(#)COPYRIGHT8.1 (Berkeley) 3/16/94
*/
ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
Copyright @copyright{} 2007 Free Software Foundation, Inc.

Everyone is permitted to copy and distribute verbatim copies of this
license document, but changing it is not allowed.
@c man end
@end ignore
@node Copying
@c man begin DESCRIPTION
@unnumbered GNU General Public License
@center Version 3, 29 June 2007

@c This file is intended to be included in another file.

@display
Copyright @copyright{} 2007 Free Software Foundation, Inc. @url{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies of this
license document, but changing it is not allowed.
@end display

@heading Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom
to share and change all versions of a program--to make sure it remains
free software for all its users. We, the Free Software Foundation,
use the GNU General Public License for most of our software; it
applies also to any other work released this way by its authors. You
can apply it to your programs, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers’ and authors’ protection, the GPL clearly explains that there is no warranty for this free software. For both users’ and authors’ sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users’ freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.
The precise terms and conditions for copying, distribution and modification follow.

@heading TERMS AND CONDITIONS

@enumerate 0
@item Definitions.

``This License'' refers to version 3 of the GNU General Public License.

``Copyright'' also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

``The Program'' refers to any copyrightable work licensed under this License. Each licensee is addressed as ``you''. ``Licensees'' and ``recipients'' may be individuals or organizations.

To ``modify'' a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a ``modified version'' of the earlier work or a work ``based on'' the earlier work.

A ``covered work'' means either the unmodified Program or a work based on the Program.

To ``propagate'' a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To ``convey'' a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays ``Appropriate Legal Notices'' to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

@item Source Code.
The ``source code'' for a work means the preferred form of the work for making modifications to it.  ``Object code'' means any non-source form of a work.

A ``Standard Interface'' means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The ``System Libraries'' of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form.  A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The ``Corresponding Source'' for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities.  However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work.  For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

@item Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met.  This License explicitly affirms your unlimited permission to run the unmodified Program.  The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work.  This License acknowledges your
You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

@item Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

@item Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

@item Conveying Modified Source Versions.
You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

@enumerate a
@item
The work must carry prominent notices stating that you modified it, and giving a relevant date.

@item
The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to ``keep intact all notices''.

@item
You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

@item
If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.
@end enumerate

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an `aggregate`` if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

@item Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:
Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.
A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A `"User Product" is either (1) a `"consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, `"normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

`"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

@item Additional Terms.

``Additional permissions`` are terms that supplement the terms of this
License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent
that they are valid under applicable law. If additional permissions
apply only to part of the Program, that part may be used separately
under those permissions, but the entire Program remains governed by
this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part of
it. (Additional permissions may be written to require their own
removal in certain cases when you modify the work.) You may place
additional permissions on material, added by you to a covered work,
for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you
add to a covered work, you may (if authorized by the copyright holders
of that material) supplement the terms of this License with terms:

@enumerate
@item Disclaiming warranty or limiting liability differently from the terms
of sections 15 and 16 of this License; or

@item Requiring preservation of specified reasonable legal notices or author
attributions in that material or in the Appropriate Legal Notices
displayed by works containing it; or

@item Prohibiting misrepresentation of the origin of that material, or
requiring that modified versions of such material be marked in
reasonable ways as different from the original version; or

@item Limiting the use for publicity purposes of names of licensors or
authors of the material; or

@item Declining to grant rights under trademark law for use of some trade
names, trademarks, or service marks; or

@item
Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.
@end enumerate

All other non-permissive additional terms are considered ``further restrictions' within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

@item Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that
Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

@item Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

@item Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An \"entity transaction\" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

@item Patents.

A \"contributor\" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the
scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

@item No Surrender of Others' Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

@item Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

@item Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License `or any later version` applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

@item Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM `AS IS` WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

@item Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

@item Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

@end enumerate

@end heading END OF TERMS AND CONDITIONS

@heading How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the `copyright` line and a pointer to where the full notice is found.

@begin smallexample
@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{year} @var{name of author}

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see @url{http://www.gnu.org/licenses/}.
@end smallexample

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

@begin smallexample
@var{program} Copyright (C) @var{year} @var{name of author}

This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}. This is free software, and you are welcome to redistribute it
The hypothetical commands `show w` and `show c` should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an ``about box''.

You should also get your employer (if you work as a programmer) or school, if any, to sign a ``copyright disclaimer'' for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see [http://www.gnu.org/licenses/](http://www.gnu.org/licenses/).

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read [http://www.gnu.org/philosophy/why-not-lgpl.html](http://www.gnu.org/philosophy/why-not-lgpl.html).

@c man end
@c The GNU Free Documentation License.
@center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
c hence no sectioning command or @node.

display
@uref{http://fsf.org/}

everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
display

@enumerate 0
@item
PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document `free` in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of ``copyleft'', which means that derivative works of the document must themselves be free in the same sense. It
complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item
APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The `"Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as `"you"'. You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A `"Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A `"Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The `"Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The `"Cover Texts" are certain short passages of text that are listed,
as Front-Cover Texts or Back-Cover Texts, in the notice that says that
the Document is released under this License. A Front-Cover Text may
be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy,
represented in a format whose specification is available to the
general public, that is suitable for revising the document
straightforwardly with generic text editors or (for images composed of
pixels) generic paint programs or (for drawings) some widely available
drawing editor, and that is suitable for input to text formatters or
for automatic translation to a variety of formats suitable for input
to text formatters. A copy made in an otherwise Transparent file
format whose markup, or absence of markup, has been arranged to thwart
or discourage subsequent modification by readers is not Transparent.
An image format is not Transparent if used for any substantial amount
of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain
@sc{ascii} without markup, Texinfo input format, LaTeX input
format, @acronym{SGML} or @acronym{XML} using a publicly available
@acronym{DTD}, and standard-conforming simple @acronym{HTML},
PostScript or @acronym{PDF} designed for human modification. Examples
of transparent image formats include @acronym{PNG}, @acronym{XCF} and
@acronym{JPEG}. Opaque formats include proprietary formats that can be
read and edited only by proprietary word processors, @acronym{SGML} or
@acronym{XML} for which the @acronym{DTD} and/or processing tools are
not generally available, and the machine-generated @acronym{HTML},
PostScript or @acronym{PDF} produced by some word processors for
output purposes only.

The "Title Page" means, for a printed book, the title page itself,
plus such following pages as are needed to hold, legibly, the material
this License requires to appear in the title page. For works in
formats which do not have any title page as such, "Title Page" means
the text near the most prominent appearance of the work's title,
preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies
of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose
title either is precisely XYZ or contains XYZ in parentheses following
text that translates XYZ in another language. (Here XYZ stands for a
specific section name mentioned below, such as "Acknowledgements",
"Dedications", "Endorsements", or "History"). To "Preserve the Title"
of such a section when you modify the Document means that it remains a
section "Entitled XYZ" according to this definition.
The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item
VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item
COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using
public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

@item
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate
@item
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item
List on the Title page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.
@item
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled ``History'', Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled ``History'' in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the ``History'' section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled ``Acknowledgements'' or ``Dedications'', Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled ``Endorsements''. Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled ``Endorsements'' or
to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled ``Endorsements'', provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original
author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item
TRANSLATION

Translation is considered a kind of modification, so you may
distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item FUTURE REVISIONS OF THIS LICENSE
The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RELICENSING

``Massive Multiauthor Collaboration Site'' (or ``MMC Site'') means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A ``Massive Multiauthor Collaboration'' (or ``MMC'') contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA'' means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate'' means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is ``eligible for relicensing'' if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.
ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

```
Copyright (C) @var{year}  @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled ``GNU Free Documentation License''.
```

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ``with@dots{}Texts.'' line with this:

```
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
```

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This is the file "copying.dj". It does not apply to any sources copyrighted by UCB Berkeley or the Free Software Foundation.

Copyright Information for sources and executables that are marked
Copyright (C) DJ Delorie
24 Kirsten Ave
Rochester NH  03867-2954

This document is Copyright (C) DJ Delorie and may be distributed verbatim, but changing it is not allowed.

Source code copyright DJ Delorie is distributed under the terms of the GNU General Public Licence, with the following exceptions:

* Any existing copyright or authorship information in any given source file must remain intact. If you modify a source file, a notice to that effect must be added to the authorship information in the source file.

* binaries provided in djgpp may be distributed without sources ONLY if the recipient is given sufficient information to obtain a copy of djgpp themselves. This primarily applies to go32.exe, emu387, stub.exe, and the graphics drivers.

* modified versions of the binaries provided in djgpp must be
distributed under the terms of the GPL.

* objects and libraries linked into an application may be distributed
  without sources.

-----

Changes to source code copyright BSD or FSF are copyright DJ Delorie, but
fall under the terms of the original copyright.

A copy of the file "COPYING" is included with this document.  If you did not
receive a copy of "COPYING", you may obtain one from whence this document
was obtained, or by writing:
  Free Software Foundation
  675 Mass Ave
  Cambridge, MA  02139
  USA

GNU LESSER GENERAL PUBLIC LICENSE
  Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
  51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL.  It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it.  By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it.  You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price.  Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the
library, and (2) we offer you this license, which gives you legal
permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that
there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know
that what they have is not the original version, so that the original
author's reputation will not be affected by problems that might be
introduced by others.

Finally, software patents pose a constant threat to the existence of
any free program. We wish to make sure that a company cannot
effectively restrict the users of a free program by obtaining a
restrictive license from a patent holder. Therefore, we insist that
any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the
ordinary GNU General Public License. This license, the GNU Lesser
General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License. We use
this license for certain libraries in order to permit linking those
libraries into non-free programs.

When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the
entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with
the library.
We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.
This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the
11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
The libgloss subdirectory is a collection of software from several sources.

Each file may have its own copyright/license that is embedded in the source file. Unless otherwise noted in the body of the source file(s), the following copyright notices will apply to the contents of the libgloss subdirectory:

(1) Red Hat Incorporated

Copyright (c) 1994-2009 Red Hat, Inc. All rights reserved.
This copyrighted material is made available to anyone wishing to use, modify, copy, or redistribute it subject to the terms and conditions of the BSD License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY expressed or implied, including the implied warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. A copy of this license is available at http://www.opensource.org/licenses. Any Red Hat trademarks that are incorporated in the source code or documentation are not subject to the BSD License and may only be used or replicated with the express permission of Red Hat, Inc.

(2) University of California, Berkeley

Copyright (c) 1981-2000 The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(3) DJ Delorie

Copyright (C) 1993 DJ Delorie
All rights reserved.

Redistribution, modification, and use in source and binary forms is permitted.
provided that the above copyright notice and following paragraph are duplicated in all such forms.

This file is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

(4) (formerly GPL for fr30)

The GPL is no longer applicable to the fr30 platform. The piece of code (syscalls.c) referencing the GPL has been officially relicensed.

(5) Advanced Micro Devices

Copyright 1989, 1990 Advanced Micro Devices, Inc.

This software is the property of Advanced Micro Devices, Inc (AMD) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by AMD.

AMD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL AMD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the 29K Technical Support Center at 800-29-29-AMD (800-292-9263) in the USA, or 0800-89-1131 in the UK, or 0031-11-1129 in Japan, toll free. The direct dial number is 512-462-4118.

Advanced Micro Devices, Inc.
29K Support Products
Mail Stop 573
5900 E. Ben White Blvd.
Austin, TX 78741
800-292-9263

(6) - Analog Devices, Inc. (bfin-* targets)


The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that
the new terms are clearly indicated on the first page of each file where
they apply.

(7) University of Utah and the Computer Systems Laboratory (CSL)
    [applies only to hppa*-a-pro* targets]
Copyright (c) 1990, 1994 The University of Utah and
the Computer Systems Laboratory (CSL). All rights reserved.

Permission to use, copy, modify and distribute this software is hereby
granted provided that (1) source code retains these copyright, permission,
and disclaimer notices, and (2) redistributions including binaries
reproduce the notices in supporting documentation, and (3) all advertising
materials mentioning features or use of this software display the following
acknowledgement: "This product includes software developed by the
Computer Systems Laboratory at the University of Utah."

THE UNIVERSITY OF UTAH AND CSL ALLOW FREE USE OF THIS SOFTWARE IN ITS "AS
IS" CONDITION. THE UNIVERSITY OF UTAH AND CSL DISCLAIM ANY LIABILITY OF
ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

CSL requests users of this software to return to csl-dist@cs.utah.edu any
improvements that they make and grant CSL redistribution rights.

(8) Sun Microsystems

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.
Permission to use, copy, modify, and distribute this
software is freely granted, provided that this notice is preserved.

(9) Hewlett Packard

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS"
without any express or implied warranty:

permission to use, copy, modify, and distribute this file
for any purpose is hereby granted without fee, provided that
the above copyright notice and this notice appears in all
copies, and that the name of Hewlett-Packard Company not be
used in advertising or publicity pertaining to distribution
of the software without specific, written prior permission.
Hewlett-Packard Company makes no representations about the
suitability of this software for any purpose.

(10) Hans-Peter Nilsson
Copyright (C) 2001 Hans-Peter Nilsson

Permission to use, copy, modify, and distribute this software is freely granted, provided that the above copyright notice, this notice and the following disclaimer are preserved with no changes.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

(11) IBM Corp. spu processor (only spu-* targets)

(C) Copyright IBM Corp. 2005, 2006

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of IBM nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(12) Jon Beniston (only lm32-* targets)

Contributed by Jon Beniston <jon@beniston.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(13) - Xilinx, Inc. (microblaze-* and powerpc-* targets)

Copyright (c) 2004, 2009 Xilinx, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of Xilinx nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(14) - National Semiconductor Corporation

Copyright (c) 2004 National Semiconductor Corporation

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(15) - CodeSourcery, Inc. (tic6x-* targets)

Copyright (c) 2010 CodeSourcery, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of CodeSourcery nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY CODESOURCERY, INC. ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL CODESOURCERY BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(16) - GPL with exception (sparc-*leon*, crx-*, cr16-* targets only)
This file is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

In addition to the permissions in the GNU General Public License, the Free Software Foundation gives you unlimited permission to link the compiled version of this file with other programs, and to distribute those programs without any restriction coming from the use of this file. (The General Public License restrictions do apply in other respects; for example, they cover modification of the file, and distribution when not linked into another program.)

This file is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; see the file COPYING. If not, write to the Free Software Foundation, 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

As a special exception, if you link this library with files compiled with GCC to produce an executable, this does not cause the resulting executable to be covered by the GNU General Public License. This exception does not however invalidate any other reasons why the executable file might be covered by the GNU General Public License.

(17) - Adapteva, Inc. (epiphany-* targets)

Copyright (c) 2011, Adapteva, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Adapteva nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Cygwin is free software. Red Hat, Inc. licenses Cygwin to you under the terms of the GNU General Public License as published by the Free Software Foundation; you can redistribute it and/or modify it under the terms of the GNU General Public License either version 3 of the license, or (at your option) any later version (GPLv3+), along with the additional permissions given below.

There is NO WARRANTY for this software, express or implied, including the implied warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://gnu.org/licenses/>.

Additional Permissions:

1. Linking Exception.

As a special exception to GPLv3+, Red Hat grants you permission to link software whose sources are distributed under a license that satisfies the Open Source Definition with libcygwin.a, without libcygwin.a itself causing the resulting program to be covered by GPLv3+.

This means that you can port an Open Source application to Cygwin, and distribute that executable as if it didn't include a copy of libcygwin.a linked into it. Note that this does not apply to the Cygwin DLL itself. If you distribute a (possibly modified) version of the Cygwin DLL, you must adhere to the terms of GPLv3+, including the requirement to provide sources for the Cygwin DLL, unless you have obtained a special Cygwin license to distribute the Cygwin DLL in only its binary form (see below).

See http://www.opensource.org/docs/osd/ for the precise Open Source Definition referenced above.
2. Files Excluded from GPL Coverage.

Red Hat grants you permission to distribute Cygwin with the following files, which are not considered part of Cygwin and are not governed by GPLv3+, in source or binary form.

winsup\testsuite\winsup.api\msgtest.c
winsup\testsuite\winsup.api\semtest.c
winsup\testsuite\winsup.api\shmtest.c

Red Hat grants you permission to link or combine code in Cygwin with code in or corresponding to the following files, which are not considered part of Cygwin and are not governed by GPLv3+, and to distribute such combinations under terms of your choice, provided that such terms are otherwise consistent with the application of GPLv3+ to Cygwin itself. You must comply with GPLv3+ with respect to all portions of such combinations other than those that correspond to or are derived from such non-Cygwin code but which do not correspond to or are not derived from Cygwin itself.

winsup\cygserver\sysv_shm.cc

3. Alternative License.

Red Hat sells a special Cygwin License for customers who are unable to provide their application in open source code form. For more information, please see: http://www.redhat.com/software/cygwin/, or call +1-866-2REDHAT ext. 45300 (toll-free in the US).

Outside the US call your regional Red Hat office, see http://www.redhat.com/about/contact/ww/

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

Copyright (C) 2009 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.
When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without modifications, governed by version 3 (or a specified later version) of the GNU General Public License (GPL) with the option of using any subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that
all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

2. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of GCC.

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked
Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are
based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the
object code and/or source code for the Application, including any data
and utility programs needed for reproducing the Combined Work from the
1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

   a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

   b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

   a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

   b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

   a) Give prominent notice with each copy of the Combined Work that
the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:
a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to

Open Source Used In CSPC_Collector 2.9.1 4366
any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers’ and authors’ protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.
The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.
You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains
in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you
with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do
not control copyright. Those thus making or running the covered works
for you must do so exclusively on your behalf, under your direction
and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed; section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological
measure under any applicable law fulfilling obligations under article
11 of the WIPO copyright treaty adopted on 20 December 1996, or
similar laws prohibiting or restricting circumvention of such
measures.

When you convey a covered work, you waive any legal power to forbid
circumvention of technological measures to the extent such circumvention
is effected by exercising rights under this License with respect to
the covered work, and you disclaim any intention to limit operation or
modification of the work as a means of enforcing, against the work's
users, your or third parties' legal rights to forbid circumvention of
technological measures.


You may convey verbatim copies of the Program's source code as you
receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice;
keep intact all notices stating that this License and any
non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all
recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey,
and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a
written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.
Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible
for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.
If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may
not convey it at all. For example, if you agree to terms that obligate you
to collect a royalty for further conveying from those to whom you convey
the Program, the only way you could satisfy both those terms and this
License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have
permission to link or combine any covered work with a work licensed
under version 3 of the GNU Affero General Public License into a single
combined work, and to convey the resulting work. The terms of this
License will continue to apply to the part which is the covered work,
but the special requirements of the GNU Affero General Public License,
section 13, concerning interaction through a network will apply to the
combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of
the GNU General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the
Program specifies that a certain numbered version of the GNU General
Public License "or any later version" applies to it, you have the
option of following the terms and conditions either of that numbered
version or of any later version published by the Free Software
Foundation. If the Program does not specify a version number of the
GNU General Public License, you may choose any version ever published
by the Free Software Foundation.

If the Program specifies that a proxy can decide which future
versions of the GNU General Public License can be used, that proxy's
public statement of acceptance of a version permanently authorizes you
to choose that version for the Program.

Later license versions may give you additional or different
permissions. However, no additional obligations are imposed on any
author or copyright holder as a result of your choosing to follow a
later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty: and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

GNU LIBRARY GENERAL PUBLIC LICENSE
**********************************
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
59 Temple Place -- Suite 330, Boston, MA 02111-1307, USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

========

Open Source Used In CSPC_Collector 2.9.1 4380
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.
Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".
A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a. The modified work must itself be a software library.
b. You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c. You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d. If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a
derivative work. (Executables containing this object code plus
portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section
6. Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered
by this License. You must supply a copy of this License. If the
work during execution displays copyright notices, you must include
the copyright notice for the Library among them, as well as a
reference directing the user to the copy of this License. Also,
you must do one of these things:

a. Accompany the work with the complete corresponding
machine-readable source code for the Library including
whatever changes were used in the work (which must be
distributed under Sections 1 and 2 above); and, if the work
is an executable linked with the Library, with the complete
machine-readable "work that uses the Library", as object code
and/or source code, so that the user can modify the Library
and then relink to produce a modified executable containing
the modified Library. (It is understood that the user who
changes the contents of definitions files in the Library will
not necessarily be able to recompile the application to use
the modified definitions.)

b. Accompany the work with a written offer, valid for at least
three years, to give the same user the materials specified in
Subsection 6a, above, for a charge no more than the cost of
performing this distribution.

c. If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the
above specified materials from the same place.

d. Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a. Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b. Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work
based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this
License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU}
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries
==============================================

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

ONE LINE TO GIVE THE LIBRARY'S NAME AND AN IDEA OF WHAT IT DOES.
Copyright (C) YEAR  NAME OF AUTHOR

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.
That's all there is to it!
The newlib subdirectory is a collection of software from several sources.

Each file may have its own copyright/license that is embedded in the source file. Unless otherwise noted in the body of the source file(s), the following copyright notices will apply to the contents of the newlib subdirectory:

(1) Red Hat Incorporated

Copyright (c) 1994-2009 Red Hat, Inc. All rights reserved.

This copyrighted material is made available to anyone wishing to use, modify, copy, or redistribute it subject to the terms and conditions of the BSD License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY expressed or implied, including the implied warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. A copy of this license is available at http://www.opensource.org/licenses. Any Red Hat trademarks that are incorporated in the source code or documentation are not subject to the BSD License and may only be used or replicated with the express permission of Red Hat, Inc.

(2) University of California, Berkeley

Copyright (c) 1981-2000 The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.


The author of this software is David M. Gay.

Copyright (c) 1991 by AT&T.

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR AT&T MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

-------------------------------------------------------------------

The author of this software is David M. Gay.

Copyright (C) 1998-2001 by Lucent Technologies
All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the name of Lucent or any of its entities not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

LUCENT DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL LUCENT OR ANY OF ITS ENTITIES BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION,
(4) Advanced Micro Devices

Copyright 1989, 1990 Advanced Micro Devices, Inc.

This software is the property of Advanced Micro Devices, Inc (AMD) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by AMD.

AMD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL AMD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the 29K Technical Support Center at 800-29-29-AMD (800-292-9263) in the USA, or 0800-89-1131 in the UK, or 0031-11-1129 in Japan, toll free. The direct dial number is 512-462-4118.

Advanced Micro Devices, Inc.
29K Support Products
Mail Stop 573
5900 E. Ben White Blvd.
Austin, TX 78741
800-292-9263

(5)

(6)

(7) Sun Microsystems

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.
Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

(8) Hewlett Packard

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:
permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(9) Hans-Peter Nilsson

Copyright (C) 2001 Hans-Peter Nilsson

Permission to use, copy, modify, and distribute this software is freely granted, provided that the above copyright notice, this notice and the following disclaimer are preserved with no changes.

THIS SOFTWARE IS PROVIDED `AS IS' AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

(10) Stephane Carrez (m68hc11-elf/m68hc12-elf targets only)

Copyright (C) 1999, 2000, 2001, 2002 Stephane Carrez (stcarrez@nerim.fr)

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(11) Christopher G. Demetriou

Copyright (c) 2001 Christopher G. Demetriou
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products
derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(12) SuperH, Inc.

Copyright 2002 SuperH, Inc. All rights reserved

This software is the property of SuperH, Inc (SuperH) which specifically
grants the user the right to modify, use and distribute this software
provided this notice is not removed or altered. All other rights are
reserved by SuperH.

SUPERH MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO
THIS SOFTWARE. IN NO EVENT SHALL SUPERH BE LIABLE FOR INDIRECT, SPECIAL,
INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM
THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems
or suggestions about this software to the SuperH Support Center via
e-mail at softwaresupport@superh.com.

SuperH, Inc.
405 River Oaks Parkway
San Jose
CA 95134
USA

(13) Royal Institute of Technology

Copyright (c) 1999 Kungliga Tekniska Hgskolan
(Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of KTH nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY KTH AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL KTH OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(14) Alexey Zelkin

Copyright (c) 2000, 2001 Alexey Zelkin <phantom@FreeBSD.org>
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

(15) Andrey A. Chernov

Copyright (C) 1997 by Andrey A. Chernov, Moscow, Russia.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

(16) FreeBSD

Copyright (c) 1997-2002 FreeBSD Project.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

(17) S. L. Moshier

Author: S. L. Moshier.

Copyright (c) 1984.2000 S.L. Moshier

Permission to use, copy, modify, and distribute this software for any
purpose without fee is hereby granted, provided that this entire notice
is included in all copies of any software which is or includes a copy
or modification of this software and in all copies of the supporting
documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED
WARRANTY. IN PARTICULAR, THE AUTHOR MAKES NO REPRESENTATION
OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS
SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

(18) Citrus Project

Copyright (c)1999 Citrus Project,
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS `AS IS' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.
(19) Todd C. Miller

Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products
derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL
THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS;
OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR
OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF
ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(20) DJ Delorie (i386)
Copyright (C) 1991 DJ Delorie
All rights reserved.

Redistribution, modification, and use in source and binary forms is permitted
provided that the above copyright notice and following paragraph are
duplicated in all such forms.

This file is distributed WITHOUT ANY WARRANTY; without even the implied
warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

(21) Free Software Foundation LGPL License (*-linux* targets only)

Copyright (C) 1990-1999, 2000, 2001 Free Software Foundation, Inc.
This file is part of the GNU C Library.
Contributed by Mark Kettenis <kettenis@phys.uva.nl>, 1997.

The GNU C Library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

The GNU C Library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with the GNU C Library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

(22) Xavier Leroy LGPL License (i[3456]86-*-linux* targets only)

Copyright (C) 1996 Xavier Leroy (Xavier.Leroy@inria.fr)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

(23) Intel (i960)

Copyright (c) 1993 Intel Corporation

Intel hereby grants you permission to copy, modify, and distribute this software and its documentation. Intel grants this permission provided that the above copyright notice appears in all copies and that both the copyright notice and this permission notice appear in supporting documentation. In addition, Intel grants this permission provided that you prominently mark as "not part of the original" any modifications made to this software or documentation, and that the name of Intel Corporation not be used in advertising or publicity pertaining to distribution of the software or the documentation without specific, written prior permission.

Intel Corporation provides this AS IS, WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Intel makes no guarantee or representations regarding the use of, or the results of the use of, the software and documentation in terms of correctness, accuracy, reliability, currentness, or otherwise; and you rely on the software, documentation and results solely at your own risk.
IN NO EVENT SHALL INTEL BE LIABLE FOR ANY LOSS OF USE, LOSS OF BUSINESS, LOSS OF PROFITS, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. IN NO EVENT SHALL INTEL'S TOTAL LIABILITY EXCEED THE SUM PAID TO INTEL FOR THE PRODUCT LICENSED HEREUNDER.

(24) Hewlett-Packard  (hppa targets only)

(c) Copyright 1986 HEWLETT-PACKARD COMPANY

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty:
permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

(25) Henry Spencer (only *-linux targets)

Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.

2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.

4. This notice may not be removed or altered.

(26) Mike Barcroft

Copyright (c) 2001 Mike Barcroft <mike@FreeBSD.org>
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(27) Konstantin Chuguev (--enable-newlib-iconv)

Copyright (c) 1999, 2000
Konstantin Chuguev. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

Copyright (c) 2003, Artem B. Bityuckiy, SoftMine Corporation.
Rights transferred to Franklin Electronic Publishers.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(29) IBM, Sony, Toshiba (only spu-* targets)

(C) Copyright 2001,2006,
International Business Machines Corporation,
Sony Computer Entertainment, Incorporated,
Toshiba Corporation,

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the names of the copyright holders nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

(30) - Alex Tatmanjants (targets using libc/posix)

Copyright (c) 1995 Alex Tatmanjants <alex@elvisti.kiev.ua>
at Electronni Visti IA, Kiev, Ukraine.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

(31) - M. Warner Losh (targets using libc/posix)

Copyright (c) 1998, M. Warner Losh <imp@freebsd.org>
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

(32) - Andrey A. Chernov (targets using libc/posix)

Copyright (C) 1996 by Andrey A. Chernov, Moscow, Russia.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

(33) - Daniel Eischen (targets using libc/posix)

Copyright (c) 2001 Daniel Eischen <deischen@FreeBSD.org>.
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(34) - Jon Beniston (only lm32-* targets)

Contributed by Jon Beniston <jon@beniston.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
(35) - ARM Ltd (arm and thumb variant targets only)

Copyright (c) 2009 ARM Ltd
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the company may not be used to endorse or promote
   products derived from this software without specific prior written
   permission.

THIS SOFTWARE IS PROVIDED BY ARM LTD ``AS IS'' AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL ARM LTD BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED
TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(36) - Xilinx, Inc. (microblaze-* and powerpc-* targets)

Copyright (c) 2004, 2009 Xilinx, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

1. Redistributions source code must retain the above copyright notice,
   this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

3. Neither the name of Xilinx nor the names of its contributors may be
   used to endorse or promote products derived from this software without
   specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(37) Texas Instruments Incorporated (tic6x-*, *-tirtos targets)

Copyright (c) 1996-2010,2014 Texas Instruments Incorporated
http://www.ti.com/

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Texas Instruments Incorporated nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(38) National Semiconductor (cr16-* and crx-* targets)
Copyright (c) 2004 National Semiconductor Corporation

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

(39) - Adapteva, Inc. (epiphany-* targets)

Copyright (c) 2011, Adapteva, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Adapteva nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(40) - Altera Corporation (nios2-* targets)

Copyright (c) 2003 Altera Corporation
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
 Neither the name of Altera Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ALTERA CORPORATION, THE COPYRIGHT HOLDER, AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

(41) Ed Schouten - Free BSD

Copyright (c) 2008 Ed Schouten <ed@FreeBSD.org>
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some
specially designated Free Software Foundation software, and to any
other libraries whose authors decide to use it. You can use it for
your libraries, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if
you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link a program with the library, you must provide
complete object files to the recipients so that they can relink them
with the library, after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright
the library, and (2) offer you this license which gives you legal
permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain
that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only
Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Library General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and
"any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Library General Public License for more details.

You should have received a copy of the GNU Library General Public
License along with this library; if not, write to the Free
Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston,
MA 02110-1301, USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!

==============================================================================

compiler_rt License
==============================================================================

The compiler_rt library is dual licensed under both the University of Illinois "BSD-Like" license and the MIT license. As a user of this code you may choose to use it under either license. As a contributor, you agree to allow your code to be used under both.

Full text of the relevant licenses is included below.

==============================================================================

University of Illinois/NCSA
Open Source License

Copyright (c) 2009-2012 by the contributors listed in CREDITS.TXT

All rights reserved.

Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

http://llvm.org

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal with the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimers.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimers in the documentation and/or other materials provided with the distribution.

* Neither the names of the LLVM Team, University of Illinois at Urbana-Champaign, nor the names of its contributors may be used to endorse or promote products derived from this Software without specific prior written permission.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

==============================================================================

Copyright (c) 2009-2012 by the contributors listed in CREDITS.TXT

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS WITH THE SOFTWARE.

==============================================================================

Copyrights and Licenses for Third Party Software Distributed with LLVM:

The LLVM software contains code written by third parties. Such software will have its own individual LICENSE.TXT file in the directory in which it appears. This file will describe the copyrights, license, and restrictions which apply to that code.

The disclaimer of warranty in the University of Illinois Open Source License applies to all code in the LLVM Distribution, and nothing in any of the other licenses gives permission to use the names of the LLVM Team or the University of Illinois to endorse or promote products derived from this Software.

The following pieces of software have additional or alternate copyrights, licenses, and/or restrictions:
Program    Directory
-------    ---------
mach_override lib/interception/mach_override

@node Library Copying
@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

@cindex LGPL, Lesser General Public License
@center Version 2.1, February 1999

@display
Copyright @copyright{} 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street - Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence the
version number 2.1.]
@end display

@appendixsubsec Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software---to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software---typically libraries---of the Free
Software Foundation and other authors who decide to use it. You can use
it too, but we suggest you first think carefully about whether this
license or the ordinary General Public License is the better strategy to
use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of it
in new free programs; and that you are informed that you can do these
things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

Open Source Used In CSPC_Collector 2.9.1 4423
For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the *Lesser* General Public License because it does *less* to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.
For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a `work based on the library` and a `work that uses the library`. The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called `this License`). Each licensee is addressed as `you`.

A `library` means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The `Library`, below, refers to any such software library or work
which has been distributed under these terms. A “work based on the
Library” means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is
included without limitation in the term “modification”.)

``Source code'' for a work means the preferred form of the work for
making modifications to it. For a library, complete source code means
all the source code for all modules it contains, plus any associated
interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not
covered by this License: they are outside its scope. The act of
running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based
on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

@item
You may copy and distribute verbatim copies of the Library's
complete source code as you receive it, in any medium, provided that
you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the
Library.

You may charge a fee for the physical act of transferring a copy,
and you may at your option offer warranty protection in exchange for a
fee.

@item
You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

@enumerate a
@item
The modified work must itself be a software library.

@item
You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.
@item
You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

@item
If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

@end enumerate

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

@item
You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

@item
You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

@item
A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a ``work that uses the Library''. Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a ``work that uses the Library'' with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a ``work that uses the library''. The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a ``work that uses the Library'' uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.
@end enumerate

@end item
You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

@end item
You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

@end item
Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

@end item
If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

@item
If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

@item
The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

@item
If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
@center NO WARRANTY

@item
BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

@item
IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
@end enumerate

@ifex
@heading END OF TERMS AND CONDITIONS
@end ifex
@ifinfo
@end ifinfo

@page
@appendixsubsec How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
@smallexample
@var{one line to give the library's name and an idea of what it does.}

Copyright (C) @var{year}  @var{name of author}

This library is free software; you can redistribute it and/or modify it
under the terms of the GNU Lesser General Public License as published by
the Free Software Foundation; either version 2.1 of the License, or (at
your option) any later version.

This library is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301,
USA.
@end smallexample

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a ``copyright disclaimer'' for the library, if
necessary.  Here is a sample; alter the names:

@smallexample
Yoyodyne, Inc., hereby disclaims all copyright interest in the library
`Frob' (a library for tweaking knobs) written by James Random Hacker.

@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample

That's all there is to it!

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization
obtaining a copy of the software and accompanying documentation covered by
this license (the "Software") to use, reproduce, display, distribute,
execute, and transmit the Software, and to prepare derivative works of the
Software, and to permit third-parties to whom the Software is furnished to
do so, all subject to the following:

The copyright notices in the Software and this entire statement, including
the above license grant, this restriction and the following disclaimer,
must be included in all copies of the Software, in whole or in part, and
all derivative works of the Software, unless such copies or derivative
works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.453 libxcrypt 4.1.1 4.el8
1.453.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.
To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the
"Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License: they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.454 shadow 4.6-8.el8
1.454.1 Available under license:
Setup package is public domain.

You are free to use, copy, distribute or modify included files without restrictions.
PCRE2 LICENCE

-------------

PCRE2 is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

Releases 10.00 and above of PCRE2 are distributed under the terms of the "BSD" licence, as specified below, with one exemption for certain binary redistributions. The documentation for PCRE2, supplied in the "doc" directory, is distributed under the same terms as the software itself. The data in the testdata directory is not copyrighted and is in the public domain.

The basic library functions are written in C and are freestanding. Also included in the distribution is a just-in-time compiler that can be used to optimize pattern matching. This is an optional feature that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

---------------------------

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,

Copyright (c) 1997-2018 University of Cambridge
All rights reserved.

PCRE2 JUST-IN-TIME COMPILATION SUPPORT

---------------------------

Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu

Copyright(c) 2010-2018 Zoltan Herczeg
All rights reserved.

STACK-LESS JUST-IN-TIME COMPILER
Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu

Copyright(c) 2009-2018 Zoltan Herczeg
All rights reserved.

THE "BSD" LICENCE

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notices,
  this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notices, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

* Neither the name of the University of Cambridge nor the names of any
  contributors may be used to endorse or promote products derived from this
  software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

EXEMPTION FOR BINARY LIBRARY-LIKE PACKAGES

The second condition in the BSD licence (covering binary redistributions) does
not apply all the way down a chain of software. If binary package A includes
PCRE2, it must respect the condition, but if package B is software that
includes package A, the condition is not imposed on package B unless it uses
PCRE2 independently.
Please see the file LICENCE in the PCRE2 distribution for licensing details.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot
effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library’s complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License
may add an explicit geographical distribution limitation excluding those
countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and
"any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

^L

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms
of the ordinary General Public License).

To apply these terms, attach the following notices to the library.
It is safest to attach them to the start of each source file to most
effectively convey the exclusion of warranty; and each file should
have at least the "copyright" line and a pointer to where the full
notice is found.

<one line to give the library's name and a brief idea of what it
does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License.
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper
mail.

You should also get your employer (if you work as a programmer) or
your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library 'Frob' (a library for tweaking knobs) written by James
Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs
(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries
If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE  
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.  
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.
The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.
1.457 perl-math-random-isaac 1.004-26.el8

1.457.1 Available under license:
Legally speaking, this package and its contents are:

Copyright (c) 2011 by Jonathan Yu <jawnsy@cpan.org>.

But this is really just a legal technicality that allows the author to
offer this package under the public domain and also a variety of licensing
options. For all intents and purposes, this is public domain software,
which means you can do whatever you want with it.

The software is provided "AS IS", without warranty of any kind, express or
implied, including but not limited to the warranties of merchantability,
fitness for a particular purpose and noninfringement. In no event shall the
authors or copyright holders be liable for any claim, damages or other
liability, whether in an action of contract, tort or otherwise, arising from,
out of or in connection with the software or the use or other dealings in
the software.

PUBLIC DOMAIN PSEUDO-LICENSE

I, the copyright holder of this package, hereby release the entire contents
therein into the public domain. This applies worldwide, to the extent that
it is permissible by law.

In case this is not legally possible, I grant any entity the right to use
this work for any purpose, without any conditions, unless such conditions
are required by law.

If you so choose, or if you are legally compelled to do so, you may use
this software under the terms of your choice of the following licenses:

1. The MIT/X11 License; or,
2. The Perl Artistic License, version 1 or later; or,
3. The GNU General Public License, version 1 or later

For the sake of convenience, the full text of the latest versions of these
licenses (as of writing) follows.

-------- The MIT (X11) License --------

This software is Copyright (c) 2011 by Jonathan Yu <jawnsy@cpan.org>.

This is free software, licensed under:
The MIT (X11) License

The MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

-------- The Artistic License 2.0 --------

This software is Copyright (c) 2011 by Jonathan Yu <jawnsy@cpan.org>.

This is free software, licensed under:

The Artistic License 2.0

The Artistic License 2.0

Copyright (c) 2000-2006, The Perl Foundation.

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

This license establishes the terms under which a given free software
Package may be copied, modified, distributed, and/or redistributed. The intent is that the Copyright Holder maintains some artistic control over the development of that Package while still keeping the Package available as open source and free software.

You are always permitted to make arrangements wholly outside of this license directly with the Copyright Holder of a given Package. If the terms of this license do not permit the full use that you propose to make of the Package, you should contact the Copyright Holder and seek a different licensing arrangement.

Definitions

"Copyright Holder" means the individual(s) or organization(s) named in the copyright notice for the entire Package.

"Contributor" means any party that has contributed code or other material to the Package, in accordance with the Copyright Holder's procedures.

"You" and "your" means any person who would like to copy, distribute, or modify the Package.

"Package" means the collection of files distributed by the Copyright Holder, and derivatives of that collection and/or of those files. A given Package may consist of either the Standard Version, or a Modified Version.

"Distribute" means providing a copy of the Package or making it accessible to anyone else, or in the case of a company or organization, to others outside of your company or organization.

"Distributor Fee" means any fee that you charge for Distributing this Package or providing support for this Package to another party. It does not mean licensing fees.

"Standard Version" refers to the Package if it has not been modified, or has been modified only in ways explicitly requested by the Copyright Holder.

"Modified Version" means the Package, if it has been changed, and such changes were not explicitly requested by the Copyright Holder.

"Original License" means this Artistic License as Distributed with the Standard Version of the Package, in its current version or as it may be modified by The Perl Foundation in the future.
"Source" form means the source code, documentation source, and configuration files for the Package.

"Compiled" form means the compiled bytecode, object code, binary, or any other form resulting from mechanical transformation or translation of the Source form.

Permission for Use and Modification Without Distribution

(1) You are permitted to use the Standard Version and create and use Modified Versions for any purpose without restriction, provided that you do not Distribute the Modified Version.

Permissions for Redistribution of the Standard Version

(2) You may Distribute verbatim copies of the Source form of the Standard Version of this Package in any medium without restriction, either gratis or for a Distributor Fee, provided that you duplicate all of the original copyright notices and associated disclaimers. At your discretion, such verbatim copies may or may not include a Compiled form of the Package.

(3) You may apply any bug fixes, portability changes, and other modifications made available from the Copyright Holder. The resulting Package will still be considered the Standard Version, and as such will be subject to the Original License.

Distribution of Modified Versions of the Package as Source

(4) You may Distribute your Modified Version as Source (either gratis or for a Distributor Fee, and with or without a Compiled form of the Modified Version) provided that you clearly document how it differs from the Standard Version, including, but not limited to, documenting any non-standard features, executables, or modules, and provided that you do at least ONE of the following:

(a) make the Modified Version available to the Copyright Holder of the Standard Version, under the Original License, so that the Copyright Holder may include your modifications in the Standard Version.

(b) ensure that installation of your Modified Version does not prevent the user installing or running the Standard Version. In addition, the Modified Version must bear a name that is different from the name of the Standard Version.
(c) allow anyone who receives a copy of the Modified Version to make the Source form of the Modified Version available to others under

(i) the Original License or

(ii) a license that permits the licensee to freely copy, modify and redistribute the Modified Version using the same licensing terms that apply to the copy that the licensee received, and requires that the Source form of the Modified Version, and of any works derived from it, be made freely available in that license fees are prohibited but Distributor Fees are allowed.

Distribution of Compiled Forms of the Standard Version or Modified Versions without the Source

(5) You may Distribute Compiled forms of the Standard Version without the Source, provided that you include complete instructions on how to get the Source of the Standard Version. Such instructions must be valid at the time of your distribution. If these instructions, at any time while you are carrying out such distribution, become invalid, you must provide new instructions on demand or cease further distribution. If you provide valid instructions or cease distribution within thirty days after you become aware that the instructions are invalid, then you do not forfeit any of your rights under this license.

(6) You may Distribute a Modified Version in Compiled form without the Source, provided that you comply with Section 4 with respect to the Source of the Modified Version.

Aggregating or Linking the Package

(7) You may aggregate the Package (either the Standard Version or Modified Version) with other packages and Distribute the resulting aggregation provided that you do not charge a licensing fee for the Package. Distributor Fees are permitted, and licensing fees for other components in the aggregation are permitted. The terms of this license apply to the use and Distribution of the Standard or Modified Versions as included in the aggregation.

(8) You are permitted to link Modified and Standard Versions with other works, to embed the Package in a larger work of your own, or to build stand-alone binary or bytecode versions of applications that include the Package, and Distribute the result without restriction,
provided the result does not expose a direct interface to the Package.

Items That are Not Considered Part of a Modified Version

(9) Works (including, but not limited to, modules and scripts) that merely extend or make use of the Package, do not, by themselves, cause the Package to be a Modified Version. In addition, such works are not considered parts of the Package itself, and are not subject to the terms of this license.

General Provisions

(10) Any use, modification, and distribution of the Standard or Modified Versions is governed by this Artistic License. By using, modifying or distributing the Package, you accept this license. Do not use, modify, or distribute the Package, if you do not accept this license.

(11) If your Modified Version has been derived from a Modified Version made by someone other than you, you are nevertheless required to ensure that your Modified Version complies with the requirements of this license.

(12) This license does not grant you the right to use any trademark, service mark, tradename, or logo of the Copyright Holder.

(13) This license includes the non-exclusive, worldwide, free-of-charge patent license to make, have made, use, offer to sell, sell, import and otherwise transfer the Package with respect to any patent claims licensable by the Copyright Holder that are necessarily infringed by the Package. If you institute patent litigation (including a cross-claim or counterclaim) against any party alleging that the Package constitutes direct or contributory patent infringement, then this Artistic License to you shall terminate on the date that such litigation is filed.

(14) Disclaimer of Warranty:
THE PACKAGE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES. THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT ARE DISCLAIMED TO THE EXTENT PERMITTED BY YOUR LOCAL LAW. UNLESS REQUIRED BY LAW, NO COPYRIGHT HOLDER OR CONTRIBUTOR WILL BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING IN ANY WAY OUT OF THE USE OF THE PACKAGE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
The GNU General Public License, Version 3, June 2007

This software is Copyright (c) 2011 by Jonathan Yu <jawnsy@cpan.org>.

This is free software, licensed under:

The GNU General Public License, Version 3, June 2007

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.
Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.
A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or
similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work’s users, your or third parties’ legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices”.

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive
interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).
The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the
violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.
A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.
A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".
You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.458 aopalliance-repackaged 2.4.0-b34

1.459 linux-kernel 4.18.0-240.15.1.el8_3

1.459.1 Available under license :

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all
the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show
them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you
legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no
warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to
know that what they have is not the original, so that any problems introduced by others will not reflect on the
original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that
redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To
prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying
it may be distributed under the terms of this General Public License. The "Program", below, refers to any such
program or work, and a "work based on the Program" means either the Program or any derivative work under
copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications
and/or translated into another language. (Hereinafter, translation is included without limitation in the term
"modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its
scope. The act of running the Program is not restricted, and the output from the Program is covered only if its
contents constitute a work based on the Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium,
provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and
disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and
give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty
protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the
Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you
also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of
      any change.
   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the
      Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this
      License.
   c) If the modified program normally reads commands interactively when run, you must cause it, when started

running for such interactive use in the most ordinary way, to print or display an announcement including an
appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and
that users may redistribute the program under these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your
work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from
the Program, and can be reasonably considered independent and separate works in themselves, then this License,
and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute
the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on
the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and
every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather,
the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on
the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this
License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable
form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under
      the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more
      than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding
      source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software
      interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This
      alternative is allowed only for noncommercial distribution and only if you received the program in object code or
      executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable
work, complete source code means all the source code for all modules it contains, plus any associated interface
definition files, plus the scripts used to control compilation and installation of the executable. However, as a special
exception, the source code distributed need not include anything that is normally distributed (in either source or
binary form) with the major components (compiler, kernel, and so on) of the operating system on which the
executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering
equivalent access to copy the source code from the same place counts as distribution of the source code, even though
third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License.
Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically
terminate your rights under this License. However, parties who have received copies, or rights, from you under this
License will not have their licenses terminated so long as such parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are
different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

1.460 apache-mime4j-core 0.7.2

1.460.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
* Licensed to the Apache Software Foundation (ASF) under one or more 
* contributor license agreements. See the NOTICE file distributed with 
* this work for additional information regarding copyright ownership. 
* The ASF licenses this file to You under the Apache License, Version 2.0 
* (the "License"); you may not use this file except in compliance with 
* the License. You may obtain a copy of the License at 
* 
*      http://www.apache.org/licenses/LICENSE-2.0 
* 
* Unless required by applicable law or agreed to in writing, software 
* distributed under the License is distributed on an "AS IS" BASIS, 
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. 
* See the License for the specific language governing permissions and 
* limitations under the License.

/*

Found in path(s):
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/ClassParser.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/JavaClass.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/ConstantDouble.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/Annotations.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/ConstantLong.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/ConstantInteger.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/ClassFormatException.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/ConstantClass.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/AnnotationElementValue.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/ArrayElementValue.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/Constant.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/ConstantFloat.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/EnumElementValue.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/ElementValuePair.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/classfile/ConstantPool.java
Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Found in path(s):
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/tomcat/util/modeler/mbeans-descriptors.dtd

No license file was found, but licenses were detected in source scan.

/*
 * Licensed to the Apache Software Foundation (ASF) under one or more
 * contributor license agreements. See the NOTICE file distributed with
 * this work for additional information regarding copyright ownership.
 * The ASF licenses this file to You under the Apache License, Version 2.0
 * (the "License"); you may not use this file except in compliance with
 * the License. You may obtain a copy of the License at
 * http://www.apache.org/licenses/LICENSE-2.0
 */

Found in path(s):
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
Open Source Used In CSPC_Collector 2.9.1 4508
jar/org/apache/tomcat/util/http/Parameters.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/http11/upgrade/UpgradeProcessorInternal.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/http11/upgrade/UpgradeProcessorBase.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/http2/StreamProcessor.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/http2/HPackHuffman.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/RequestGroupInfo.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/Adapter.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/ajp/AjpProcessor.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/http11/filters/VoidInputFilter.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/http2/FrameType.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/http11/Http11NioProtocol.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/Http11LocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/ajp/AjpLocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/tomcat/util/jsse/LocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/tomcat/util/LocalStrings.properties
No license file was found, but licenses were detected in source scan.

# The ASF licenses this file to You under the Apache License, Version 2.0
# (the "License"); you may not use this file except in compliance with
# the License. You may obtain a copy of the License at
# http://www.apache.org/licenses/LICENSE-2.0
# distributed under the License is distributed on an "AS IS" BASIS,

Found in path(s):
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/http2/LocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/ajp/LocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/tomcat/util/net/jsse/LocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/tomcat/util/net/LocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
jar/org/apache/coyote/http11/Http11NioProtocol.java

Open Source Used In CSPC_Collector 2.9.1 4513
No license file was found, but licenses were detected in source scan.

/*
 * Licensed to the Apache Software Foundation (ASF) under one or more
 * contributor license agreements. See the NOTICE file distributed with
 * this work for additional information regarding copyright ownership.
 * The ASF licenses this file to You under the Apache License, Version 2.0
 * (the "License"); you may not use this file except in compliance with
 * the License. You may obtain a copy of the License at
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/tomcat/util/http/LocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/coyote/LocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/coyote/http11/upgrade/LocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/coyote/http11/filters/LocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/tomcat/util/net/openssl/LocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/tomcat/util/net/openssl/ciphers/LocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/tomcat/util/http/parser/LocalStrings.properties
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/tomcat/util/net/openssl/OpenSSLProtocols.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/tomcat/util/net/SecureNio2Channel.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/tomcat/util/net/openssl/OpenSSLSessionStats.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/tomcat/util/log/UserDataHelper.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/tomcat/util/net/openssl/OpenSSLKeyManager.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/tomcat/util/http/fileupload/ProgressListener.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-jar/org/apache/tomcat/util/http/fileupload/ParameterParser.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/http/parser/Cookie.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/http/fileupload/disk/package-info.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/http/fileupload/FileUtils.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/http/fileupload/util/package-info.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/http/fileupload/disk/DiskFileItemFactory.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/http/fileupload/util/Closeable.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/net/OpenSSLX509Certificate.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/http/fileupload/DeferredFileOutputStream.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/http/fileupload/FileItemFactory.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/http/fileupload/disk/DiskFileItem.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/http/fileupload/util/mime/QuotedPrintableDecoder.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/modeler/NotificationInfo.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/net/openssl/OpenSSLImplementation.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/http/parser/Authorization.java
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1.jar/org/apache/tomcat/util/modeler/BaseNotificationBroadcaster.java
No license file was found, but licenses were detected in source scan.

/*
 * Licensed to the Apache Software Foundation (ASF) under one or more
 * contributor license agreements. See the NOTICE file distributed with
 * this work for additional information regarding copyright ownership.
 * The ASF licenses this file to You under the Apache License, Version 2.0
 * (the "License"); you may not use this file except in compliance with
 * the License. You may obtain a copy of the License at
 */

http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.

* /

Found in path(s):
* /opt/cola/permits/1137994515_1614192736.01/0/tomcat-coyote-8-5-3-sources-1-
  jar/org/apache/tomcat/util/bcel/Const.java

1.462 test-proxy-webapp 9.4.11.v20180605
1.462.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with

Open Source Used In CSPC_Collector 2.9.1 4520
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of Your accepting any such warranty or additional liability.
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[ ]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.463 jacksoncorelgpl 1.8.2
1.463.1 Available under license :

No license file was found, but licenses were detected in source scan.

/* Jackson JSON-processor.
 *
 * Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi
 *
 * Licensed under the License specified in file LICENSE, included with
 * the source code and binary code bundles.
 * You may not use this file except in compliance with the License.
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
1.464 activemq-jaas 5.15.14

1.464.1 Available under license:

ActiveMQ :: JAAS
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
   that You distribute, all copyright, patent, trademark, and
   attribution notices from the Source form of the Work,
   excluding those notices that do not pertain to any part of
   the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "["] replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.465 e2fsprogs 1.45.6 1.el8

1.465.1 Available under license:

This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs
Packaging is Copyright (c) 2003-2006 Theodore Ts'o <tytso@mit.edu>
  Copyright (c) 1997-2003 Yann Dirson <dirson@debian.org>
  Copyright (c) 2001 Alcove <http://www.alcove.com/>
  Copyright (c) 1997 Klee Dienes
  Copyright (c) 1995-1996 Michael Nonweiler <mrn20@cam.ac.uk>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

Copyright notice:

This package, the EXT2 filesystem utilities, is protected by the GNU General Public License.


On Debian GNU systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL-2'.
#
# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
  @echo "MKDIR pic"
  @mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image::$(BSD_LIB)

$(BSD_LIB): $(OBIJS)
  (cd pic; id -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBIJS))
  $(MV) pic/$(BSD_LIB) .
  $(RM) -f ../$(BSD_LIB)
  (cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))
install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

Copyright:

Copyright (C) 1999, 2001 by Andries Brouwer
Copyright (C) 1999, 2000, 2003 by Theodore Ts'o

You are free to distribute this software under the terms of the GNU
Lesser (Library) General Public License.

On Debian systems, the complete text of the GNU Lesser (Library)
General Public License can be found in /usr/share/common-licenses/LGPL-2.
This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

Copyright:

Theodore Ts'o

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE
USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH
DAMAGE.

This is the Debian GNU/Linux prepackaged version of the translation
files of the EXT2 file system utilities. The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

Packaging is Copyright (c) 2003-2006 Theodore Ts'o <tytso@mit.edu>
Copyright (c) 1997-2003 Yann Dirson <dirson@debian.org>
Copyright (c) 2001 Alcove <http://www.alcove.com/>
Copyright (c) 1997 Klee Dienes
Copyright (c) 1995-1996 Michael Nonweiler <mnr20@cam.ac.uk>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

Copyright notice:

This package, the EXT2 filesystem utilities, is protected by the GNU
General Public License.


On Debian GNU systems, the complete text of the GNU General
Public License can be found in `/usr/share/common-licenses/GPL-2'.

Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
+ Copyright (C) Andrew Tridgell 1999-2005
+ Copyright (C) Jeremy Allison 2000-2006
+ Copyright (C) Paul 'Rusty' Russell 2000

** NOTE! The following LGPL license applies to the tdb
** library. This does NOT imply that all of Samba is released
This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

Packaging is Copyright (c) 2003-2007 Theodore Ts'o <tytso@mit.edu>
Copyright (c) 1997-2003 Yann Dirson <dirson@debian.org>
Copyright (c) 2001 Alcove <http://www.alcove.com/>
Copyright (c) 1997 Klee Dienes
Copyright (c) 1995-1996 Michael Nonweiler <mrn20@cam.ac.uk>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

Copyright notice:

This package, the EXT2 filesystem utilities, are made available under
the GNU General Public License version 2, with the exception of the
lib/ext2fs and lib/e2p libraries, which are made available under the
GNU Library General Public License Version 2, the lib/uuid library
which is made available under a BSD-style license and the lib/et and
lib/ss libraries which are made available under an MIT-style license.


On Debian GNU systems, the complete text of the GNU General Public
License can be found in `/usr/share/common-licenses/GPL-2'. The
complete text of the GNU Library General Public License can be found
in `/usr/share/common-licenses/LGPL-2'.

The license used for lib/et and lib/ss libraries is:

Copyright 1987 by the Student Information Processing Board
of the Massachusetts Institute of Technology

Permission to use, copy, modify, and distribute this software and
its documentation for any purpose is hereby granted, provided that
the names of M.I.T. and the M.I.T. S.I.P.B. not be used in
advertising or publicity pertaining to distribution of the software
without specific, written prior permission. M.I.T. and the
M.I.T. S.I.P.B. make no representations about the suitability of
this software for any purpose. It is provided "as is" without
express or implied warranty.

The license used for lib/uuid is:
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This package, the EXT2 filesystem utilities, are made available under the GNU Public License version 2, with the exception of the lib/ext2fs and lib/e2p libraries, which are made available under the GNU Library General Public License Version 2, the lib/uuid library which is made available under a BSD-style license and the lib/et and lib/ss libraries which are made available under an MIT-style license. Please see lib/uuid/COPYING for more details for the license for the files comprising the libuuid library, and the source file headers of the libet and libss libraries for more information.

The most recent officially distributed version can be found at http://e2fsprogs.sourceforge.net. If you need to make a distribution, that's the one you should use. If there is some reason why you'd like a more recent version that is still in ALPHA testing (i.e., either using the "WIP" test distributions or one from the hg or git repository from the development branch, please contact me (tytso@mit.edu) before you ship. The release schedules for this package are flexible, if you give me enough lead time.

Theodore Ts'o
23-June-2007
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

  Gnomovision version 69, Copyright (C) year  name of author
  Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
  This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

  Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

------------------------------------------------------------------------

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source
code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don’t assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while
preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

Copyright:

Copyright (C) 1999, 2000, 2003, 2004 by Theodore Ts'o

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH
DAMAGE.
This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

Copyright 1987, 1988 by the Student Information Processing Board of the Massachusetts Institute of Technology

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the names of M.I.T. and the M.I.T. S.I.P.B. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. M.I.T. and the M.I.T. S.I.P.B. make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

Copyright 1987, 1988 by the Student Information Processing Board of the Massachusetts Institute of Technology

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the names of M.I.T. and the M.I.T. S.I.P.B. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. M.I.T. and the M.I.T. S.I.P.B. make no representations about
the suitability of this software for any purpose. It is
provided "as is" without express or implied warranty.
EXT2ED is hereby placed under the terms of the GNU General Public License.
Follows the GNU license.

Gadi Oxman, August 1995

---------------------------------------------------------------------
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.466 perl-libnet 3.11-3.el8
1.466.1 Available under license:

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.
"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.
c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called "undump" or "unexec" methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.

7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package's interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR
GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General
Public License.

d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

   a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

   b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

   c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so,
and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!
This distribution is free software; you can redistribute it and/or modify it under the terms of either:

a) the GNU General Public License as published by the Free Software Foundation;
either version 1, or (at your option) any later version; or

b) the "Artistic License" which comes with this distribution.

This distribution is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See either the GNU General Public License or the Artistic License for more details.

You should have received a copy of the GNU General Public License along with this distribution in the file named "Copying". If not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA or visit their web page on the internet at http://www.gnu.org/copyleft/gpl.html or the Perl web page at http://dev.perl.org/licenses/gpl1.html.

You should also have received a copy of the Artistic License with this distribution, in the file named "Artistic". If not, visit the Perl web page on the internet at http://dev.perl.org/licenses/artistic.html.

1.467 xpp 1.1.2a
1.467.1 Notifications :
This product includes software developed by the Indiana University Extreme! Lab (http://www.extreme.indiana.edu/).

1.467.2 Available under license :
LICENSE FOR THE Extreme! Lab PullParser

--------------------------------------------------

Copyright 2002 The Trustees of Indiana University.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1) All redistributions of source code must retain the above copyright notice, the list of authors in the original source code, this list of conditions and the disclaimer listed in this license;

2) All redistributions in binary form must reproduce the above copyright notice, this list of conditions and the disclaimer listed in this license in the documentation and/or other materials provided with the distribution;

3) Any documentation included with all redistributions must include the following acknowledgement:

"This product includes software developed by the Indiana University Extreme! Lab. For further information please visit http://www.extreme.indiana.edu/"

Alternatively, this acknowledgment may appear in the software itself, and wherever such third-party acknowledgments normally appear.

4) The name "Indiana Univeristy" and "Indiana Univeristy Extreme! Lab" shall not be used to endorse or promote products derived from this software without prior written permission from Indiana University. For written permission, please contact http://www.extreme.indiana.edu/.

5) Products derived from this software may not use "Indiana Univeristy" name nor may "Indiana Univeristy" appear in their name, without prior written permission of the Indiana University.

Indiana University provides no reassurances that the source code provided does not infringe the patent or any other intellectual property rights of any other entity. Indiana University disclaims any liability to any recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise.

LICENSEE UNDERSTANDS THAT SOFTWARE IS PROVIDED "AS IS" FOR WHICH
NOWARRANTIES AS TO CAPABILITIES OR ACCURACY ARE MADE. INDIANA UNIVERSITY GIVES NO WARRANTIES AND MAKES NO REPRESENTATION THAT SOFTWARE IS FREE OF INFRINGEMENT OF THIRD PARTY PATENT, COPYRIGHT, OR OTHER PROPRIETARY RIGHTS. INDIANA UNIVERSITY MAKES NO WARRANTIES THAT SOFTWARE IS FREE FROM "BUGS", "VIRUSES", "TROJAN HORSES", "TRAP DOORS", "WORMS", OR OTHER HARMFUL CODE. LICENSEE ASSUMES THE ENTIRE RISK AS TO THE PERFORMANCE OF SOFTWARE AND/OR ASSOCIATED MATERIALS, AND TO THE PERFORMANCE AND VALIDITY OF INFORMATION GENERATED USING SOFTWARE.

1.468 glassfish 1.4.1.v201005082020

1.468.1 Available under license:
DO NOT TRANSLATE OR LOCALIZE.

%% The following software may be included in this product: Java Pack200-ant-task
Use of any of this software is governed by the terms of the license below:

SUN PUBLIC LICENSE Version 1.0

1. Definitions.

1.0.1. "Commercial Use" means distribution or otherwise making the Covered Code available to a third party.

1.1. "Contributor" means each entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof and corresponding documentation released with the source code.

1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.

1.5. "Executable" means Covered Code in any form other than Source Code.

1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.
1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.8. "License" means this document.

1.8.1. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.

B. Any new file that contains any part of the Original Code or previous Modifications.

1.10. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.10.1. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated documentation, interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.
2. Source Code License.

2.1 The Initial Developer Grant.

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).

(c) the licenses granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by: i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.

2.2. Contributor Grant.

Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of Modifications made by
that Contributor with its Contributor Version (or portions of such combination).

(c) the licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

(d) notwithstanding Section 2.2(b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Application of License.

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

3.2. Availability of Source Code.

Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

3.3. Description of Modifications.
You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.


(a) Third Party Claims.

If Contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs.

If Contributor's Modifications include an application programming interface ("API") and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.

(c) Representations.

Contributor represents that, except as disclosed pursuant to Section 3.4(a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.

3.5. Required Notices.

You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in
Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.6. Distribution of Executable Versions.

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.7. Larger Works.

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

4. Inability to Comply Due to Statute or Regulation.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to
statute, judicial order, or regulation then You must: (a) comply with the
terms of this License to the maximum extent possible; and (b)
describe the limitations and the code they affect. Such description
must be included in the LEGAL file described in Section 3.4 and must
be included with all distributions of the Source Code. Except to the
extent prohibited by statute or regulation, such description must be
sufficiently detailed for a recipient of ordinary skill to be able to
understand it.

5. Application of this License.

This License applies to code to which the Initial Developer has
attached the notice in Exhibit A and to related Covered Code.

6. Versions of the License.

6.1. New Versions.

Sun Microsystems, Inc. ("Sun") may publish revised and/or new versions
of the License from time to time. Each version will be given a
distinguishing version number.

6.2. Effect of New Versions.

Once Covered Code has been published under a particular version of the
License, You may always continue to use it under the terms of that
version. You may also choose to use such Covered Code under the terms
of any subsequent version of the License published by Sun. No one
other than Sun has the right to modify the terms applicable to Covered
Code created under this License.

6.3. Derivative Works.

If You create or use a modified version of this License (which you may
only do in order to apply it to code which is not already Covered Code
governed by this License), You must: (a) rename Your license so that
the phrases "Sun," "Sun Public License," or "SPL" or any confusingly
similar phrase do not appear in your license (except to note that your
license differs from this License) and (b) otherwise make it clear
that Your version of the license contains terms which differ from the
Sun Public License. (Filling in the name of the Initial Developer,
Original Code or Contributor in the notice described in Exhibit A
shall not of themselves be deemed to be modifications of this
License.)

7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS,
8. TERMINATION.

8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

8.2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as “Participant”) alleging that:

(a) such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.

(b) any software, hardware, or device, other than such Participant's Contributor Version, directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1(b) and 2.2(b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that Participant.

8.3. If You assert a patent infringement claim against Participant
alleging that such Participant's Contributor Version directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

8.4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.

9. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

10. U.S. GOVERNMENT END USERS.


11. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions.
With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in the United States of America, any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

12. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

13. MULTIPLE-LICENSED CODE.

Initial Developer may designate portions of the Covered Code as "Multiple-Licensed". "Multiple-Licensed" means that the Initial Developer permits you to utilize portions of the Covered Code under Your choice of the alternative licenses, if any, specified by the Initial Developer in the file described in Exhibit A.

Exhibit A -Sun Public License Notice.

The contents of this file are subject to the Sun Public License Version 1.0 (the "License"); you may not use this file except in compliance with the License. A copy of the License is available at http://www.sun.com/

The Original Code is _________________. The Initial Developer of the Original Code is ___________. Portions created by _____ are Copyright (C)_________. All Rights Reserved.

Contributor(s): ______________________________________.

Alternatively, the contents of this file may be used under the terms of the _____ license (the "[___] License"), in which case the provisions of [_____] License are applicable instead of those above. If you wish to allow use of your version of this file only under the terms of the [____] License and not to allow others to use your
version of this file under the SPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the [] License. If you do not delete the provisions above, a recipient may use your version of this file under either the SPL or the [] License.”

[NOTE: The text of this Exhibit A may differ slightly from the text of the notices in the Source Code files of the Original Code. You should use the text of this Exhibit A rather than the text found in the Original Code Source Code for Your Modifications.]

%% The following software may be included in this product: Java DB (Derby) Use of any of this software is governed by the terms of the license below:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of Your accepting any such warranty or additional liability.
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

%% The following software may be included in this product: Base64
Use of any of this software is governed by the terms of the license below:

Apache License
Version 2.0, January 2004
   http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

%% The following software may be included in this product: JSTL 1.1.0-D13
Use of any of this software is governed by the terms of the license below:

Apache License
Version 2.0, January 2004
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at
http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

%% The following software may be included in this product: BCEL 5.1. Use of any of this software is governed by the terms of the license below:

The Apache Software License, Version 1.1
*
* Copyright (c) 2001 The Apache Software Foundation. All rights reserved.
*
* Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
*
* 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
*
* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
*
* 3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:
*   "This product includes software developed by the Apache Software Foundation (http://www.apache.org/)."
*   Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.
*
* 4. The names "Apache" and "Apache Software Foundation" and "Apache BCEL" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.
*
* 5. Products derived from this software may not be called "Apache", "Apache BCEL", nor may "Apache" appear in their name, without prior written permission of the Apache Software Foundation.
*
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMER. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
* ====================================================================
*
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
*/

%%% The following software may be included in this product: REGEXP 1.2. Use of any of this software is governed by the terms of the license below:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS.
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unles required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

%% The following software may be included in this product: sfx4j. Use of any of this software is governed by the terms of the license below:
Copyright (c) 2003, Kohsuke Kawaguchi
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT
HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS
OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS
BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA,
OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
 CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER
IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF
THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
THE POSSIBILITY OF SUCH DAMAGE.

The following software may be included in this product: Stax API. Use of any of this software is governed by
the terms of the license below:

Streaming API for XML (JSR-173) Specification
Reference Implementation
License Agreement

READ THE TERMS OF THIS (THE "AGREEMENT") CAREFULLY BEFORE VIEWING OR USING THE
SOFTWARE LICENSED HEREUNDER. BY VIEWING OR USING THE SOFTWARE, YOU AGREE TO THE TERMS OF THIS
AGREEMENT. IF
YOU ARE ACCESSING THE SOFTWARE ELECTRONICALLY, INDICATE YOUR ACCEPTANCE OF
THESE
TERMS BY SELECTING THE "ACCEPT" BUTTON AT THE END OF THIS AGREEMENT. IF YOU DO NOT AGREE TO
ALL THESE TERMS,
PROMPTLY RETURN THE UNUSED SOFTWARE TO ORIGINAL CONTRIBUTOR, DEFINED HEREIN.

1.0 DEFINITIONS.


1.2. "Contributor" means BEA and each entity that creates or contributes to the creation of Modifica-
tions.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Origina-
Code and Modifications, in each case including portions thereof and corresponding documenta-
tion released with the source code.

1.5. "FCS" means first commercial shipment of a product.

1.6. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

(a) Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.

(b) Any new file that contains any part of the Original Code or previous Modifications.


1.8. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent for which the grantor has the right to grant a license.

1.9. "Reference Implementation" means the prototype or "proof of concept" implementation of the Specification developed and made available for license by or on behalf of BEA.

1.10. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated documentation, interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice.

1.11. "Specification" means the written specification for the Streaming API for XML, Java technology developed pursuant to the Java Community Process.

1.12. "Technology Compatibility Kit" or "TCK" means the documentation, testing tools and test suites associated with the Specification as may be revised by BEA from time to time, that is provided so that an implementer of the Specification may determine if its implementation is co
mliant with the Specification.

1.13. "You" (or "Your") means an individual or a legal entity exercising rights under, and comply with all of the terms of, this Agreement or a future version of this Agreement issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2.0 SOURCE CODE LICENSE.

2.1. Copyright Grant. Subject to the terms of this Agreement, each Contributor hereby grants You a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Covered Code of such Contributor, if any, and such derivative works, in Source Code and Executable form.

2.2. Patent Grant. Subject to the terms of this Agreement, each Contributor hereby grants You a non-exclusive, worldwide, royalty-free patent license under the Patent Claims to make, use, sell, offer to sell, import and otherwise transfer the Covered Code prepared and provided by such Contributor, if any, in Source Code and Executable form. This patent license shall apply to the Covered Code if, at the time a Modification is added by the Contributor, such addition of the Modification causes such combination to be covered by the Patent Claims. The patent license shall not apply to any other combinations which include the Modification.

2.3. Conditions to Grants. You understand that although each Contributor grants the licenses to the Covered Code prepared by it, no assurances are provided by any Contributor that the Covered Code does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to You for claims brought by any
other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, You hereby assume sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow You to distribute Covered Code, it is Your responsibility to acquire that license before distributing such code.

2.4. Contributors' Representation. Each Contributor represents that to its knowledge it has sufficient copyright rights in the Covered Code it provides, if any, to grant the copyright license set forth in this Agreement.

3.0 DISTRIBUTION RESTRICTIONS.

3.1. Application of Agreement.

The Modifications which You create or to which You contribute are governed by the terms of this Agreement, including without limitation Section 2.0. The Source Code version of Covered Code may be distributed only under the terms of this Agreement or a future version of this Agreement released under Section 6.1, and You must include a copy of this Agreement with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this Agreement or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.3.

3.2. Description of Modifications.

You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by BEA and including the name of BEA in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or
ownership of
the Covered Code.

The following software may be included in this product: RelaxNGCC. Use of any of this software is governed by the terms of the license below:

Copyright (c) 2000-2003 Daisuke Okajima and Kohsuke Kawaguchi.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:

   "This product includes software developed by Daisuke Okajima and Kohsuke Kawaguchi (http://relaxngcc.sf.net/)."

Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names of the copyright holders must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact the copyright holders.

5. Products derived from this software may not be called "RELAXNGCC", nor may "RELAXNGCC" appear in their name, without prior written permission of the copyright holders.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
The following software may be included in this product: RelaxNG Object Model/Parser. Use of any of this software is governed by the terms of the license below:

The MIT License
Copyright (c)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

The following software may be included in this product: ASM. Use of any of this software is governed by the terms of the license below:

Copyright (c) 2000-2005 INRIA, France Telecom
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following software may be included in this product: zlib. Use of any of this software is governed by the terms of the license below:

License

/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.1, November 17th, 2003

Copyright (C) 1995-2003 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly jloup@gzip.org
Mark Adler madler@alumni.caltech.edu

*/

Copyright 2004 by the Open Source Initiative
Technical questions about the website go to Steve M.: webmaster at opensource.org / Policy questions about open source go to the Board of Directors.

The contents of this website are licensed under the Open Software License 2.0 or Academic Free License 2.0

OSI is a registered non-profit with 501(c)(3) status. Contact our Board for further donation information.
The following software may be included in this product: Sun Multi-Schema Validator v. relaxngDatatype.jar. Use of any of this software is governed by the terms of the license below:

Copyright (c) 2001, Thai Open Source Software Center Ltd, Sun Microsystems. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the names of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS \"AS IS\" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following software may be included in this product: XML Security: XML Dsig & XML Encryption. Use of any of this software is governed by the terms of the license below:

The Apache Software License, v2.0

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. 
See the License for the specific language governing permissions and 
limitations under the License.

%% The following software may be included in this product: Tomcat. Use of any of this software is governed by the terms of the license below:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, 
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by 
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all 
other entities that control, are controlled by, or are under common 
control with that entity. For the purposes of this definition, 
"control" means (i) the power, direct or indirect, to cause the 
direction or management of such entity, whether by contract or 
otherwise, or (ii) ownership of fifty percent (50%) or more of the 
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity 
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, 
including but not limited to software source code, documentation 
source, and configuration files.

"Object" form shall mean any form resulting from mechanical 
transformation or translation of a Source form, including but 
not limited to compiled object code, generated documentation, 
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or 
Object form, made available under the License, as indicated by a 
copyright notice that is included in or attached to the work 
(an example is provided in the Appendix below).
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate.
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[ ]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License.

%% The following software may be included in this product: ANT. Use of any of this software is governed by the terms of the license below:
* *
* ====================================================================
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.


We reserve no legal rights to the ANTLR--it is fully in the public domain. An individual or company may do whatever they wish with source code distributed with ANTLR or the code generated by ANTLR, including the incorporation of ANTLR, or its output, into commercial software.

We encourage users to develop software with ANTLR. However, we do ask that credit is given to us for developing
ANTLR. By "credit", we mean that if you use ANTLR or incorporate any source code into one of your programs (commercial product, research project, or otherwise) that you acknowledge this fact somewhere in the documentation, research report, etc... If you like ANTLR and have developed a nice tool with the output, please mention that you developed it using ANTLR. In addition, we ask that the headers remain intact in our source code. As long as these guidelines are kept, we expect to continue enhancing this system and expect to make other tools available as they are completed.

%% The following software may be included in this product: schema2beans, dbschema from the Netbeans Project, http://www.netbeans.org. Use of any of this software is governed by the terms of the license below:

SUN PUBLIC LICENSE Version 1.0

1. Definitions.

1.0.1. "Commercial Use" means distribution or otherwise making the Covered Code available to a third party.

1.1. "Contributor" means each entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof and corresponding documentation released with the source code.

1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.

1.5. "Executable" means Covered Code in any form other than Source Code.

1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.
1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.8. "License" means this document.

1.8.1. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.

B. Any new file that contains any part of the Original Code or previous Modifications.

1.10. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.10.1. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated documentation, interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.
2. Source Code License.

2.1 The Initial Developer Grant.

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).

(c) the licenses granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by: i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.

2.2. Contributor Grant.

Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of Modifications made by
that Contributor with its Contributor Version (or portions of such combination).

(c) the licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

(d) notwithstanding Section 2.2(b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Application of License.

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

3.2. Availability of Source Code.

Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

3.3. Description of Modifications.
You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.


(a) Third Party Claims.

If Contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs.

If Contributor's Modifications include an application programming interface ("API") and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.

(c) Representations.

Contributor represents that, except as disclosed pursuant to Section 3.4(a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.

3.5. Required Notices.

You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in
Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.6. Distribution of Executable Versions.

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.7. Larger Works.

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

4. Inability to Comply Due to Statute or Regulation.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to
statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Application of this License.

This License applies to code to which the Initial Developer has attached the notice in Exhibit A and to related Covered Code.

6. Versions of the License.

6.1. New Versions.

Sun Microsystems, Inc. ("Sun") may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

6.2. Effect of New Versions.

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Sun. No one other than Sun has the right to modify the terms applicable to Covered Code created under this License.

6.3. Derivative Works.

If You create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), You must: (a) rename Your license so that the phrases "Sun," "Sun Public License," or "SPL" or any confusingly similar phrase do not appear in your license (except to note that your license differs from this License) and (b) otherwise make it clear that Your version of the license contains terms which differ from the Sun Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)

7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS,
8. TERMINATION.

8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

8.2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as “Participant”) alleging that:

(a) such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.

(b) any software, hardware, or device, other than such Participant's Contributor Version, directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1(b) and 2.2(b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that Participant.

8.3. If You assert a patent infringement claim against Participant
alleging that such Participant's Contributor Version directly or
indirectly infringes any patent where such claim is resolved (such as
by license or settlement) prior to the initiation of patent
infringement litigation, then the reasonable value of the licenses
granted by such Participant under Sections 2.1 or 2.2 shall be taken
into account in determining the amount or value of any payment or
license.

8.4. In the event of termination under Sections 8.1 or 8.2 above, all
end user license agreements (excluding distributors and resellers)
which have been validly granted by You or any distributor hereunder
prior to termination shall survive termination.

9. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT
(INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL
DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE,
OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR
ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY
CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL,
WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER
COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN
INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF
LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY
RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW
PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE
EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO
THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

10. U.S. GOVERNMENT END USERS.

The Covered Code is a "commercial item," as that term is defined in 48
C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software"
and "commercial computer software documentation," as such terms are
12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all
U.S. Government End Users acquire Covered Code with only those rights
set forth herein.

11. MISCELLANEOUS.

This License represents the complete agreement concerning subject
matter hereof. If any provision of this License is held to be
unenforceable, such provision shall be reformed only to the extent
necessary to make it enforceable. This License shall be governed by
California law provisions (except to the extent applicable law, if
any, provides otherwise), excluding its conflict-of-law provisions.
With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in the United States of America, any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

12. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

13. MULTIPLE-LICENSED CODE.

Initial Developer may designate portions of the Covered Code as ?Multiple-Licensed?. ?Multiple-Licensed? means that the Initial Developer permits you to utilize portions of the Covered Code under Your choice of the alternative licenses, if any, specified by the Initial Developer in the file described in Exhibit A.

Exhibit A -Sun Public License Notice.

The contents of this file are subject to the Sun Public License Version 1.0 (the "License"); you may not use this file except in compliance with the License. A copy of the License is available at http://www.sun.com/

The Original Code is _________________. The Initial Developer of the Original Code is ___________. Portions created by _____ are Copyright (C)_________. All Rights Reserved.

Contributor(s): ______________________________________.

Alternatively, the contents of this file may be used under the terms of the _____ license (the ?[___] License?), in which case the provisions of [_____] License are applicable instead of those above. If you wish to allow use of your version of this file only under the terms of the [____] License and not to allow others to use your
version of this file under the SPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the [___] License. If you do not delete the provisions above, a recipient may use your version of this file under either the SPL or the [___] License.”

[NOTE: The text of this Exhibit A may differ slightly from the text of the notices in the Source Code files of the Original Code. You should use the text of this Exhibit A rather than the text found in the Original Code Source Code for Your Modifications.]

@@ JAXB
%% The following software may be included in this product: iso-relax.jar v2002/07/07. Use of any of this software is governed by the terms of the license below:
The MIT License
Copyright (c) Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE

%% The following software may be included in this product: relaxNGDatatype.jar. Use of any of this software is governed by the terms of the license below:

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the names of the authors or their employers not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

The authors and their employers disclaim all warranties with regard to this software, including all implied warranties of merchantability and fitness. In no event shall the authors or their employers be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortious action, arising out of or in connection with the use or performance of this software.

%% The following software may be included in this product: Resolver. Use of any of this software is governed by the terms of the license below:
/* The Apache Software License, Version 1.1

Copyright (c) 2001-2002 The Apache Software Foundation. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:
   "This product includes software developed by the Apache Software Foundation (http://www.apache.org/)."
   Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names "Apache" and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.

5. Products derived from this software may not be called "Apache", nor may "Apache" appear in their name, without prior written permission of the Apache Software Foundation.

THIS SOFTWARE IS PROVIDED \"AS IS\" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF...
The following software may be included in this product: Jakarta Commons. Use of any of this software is governed by the terms of the license below:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" 
replaced with your own identifying information. (Don't include 
the brackets!) The text should be enclosed in the appropriate 
comment syntax for the file format. We also recommend that a 
file or class name and description of purpose be included on the 
same "printed page" as the copyright notice for easier 
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software 
distributed under the License is distributed on an "AS IS" BASIS, 
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. 
See the License for the specific language governing permissions and 
limitations under the License.

%% The following software may be included in this product: Apache XML Security. Use of any of this software is 
governed by the terms of the license below: 
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the 
following conditions are met: Redistribution of source code must retain the above copyright notice, this list of 
conditions and the following disclaimer. Redistribution in binary form must reproduce the above copyright notice, 
this list of conditions and the following disclaimer in the documentation and/or other materials provided with the 
distribution. All advertising materials mentioning features or use of this software must display the following 
acknowledgment: This product includes software developed by the Java Apache Project for use in the Apache JServ 
servlet engine project (http://java.apache.org/). 
The names "Apache JServ", "Apache JServ Servlet Engine" and "Java Apache Project" must not be used to endorse 
or promote products derived from this software without prior written permission. Products derived from this 
software may not be called "Apache JServ" nor may "Apache" nor "Apache JServ" appear in their names without 
prior written permission of the Java Apache Project. Redistribution of any form whatsoever must retain the 
following acknowledgment: This product includes software developed by the Java Apache Project for use in the 
Apache JServ servlet engine project (http://java.apache.org/). 
THIS SOFTWARE IS PROVIDED BY THE JAVA APACHE PROJECT "AS IS" AND ANY EXPRESSED OR 
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF 
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT 
SHALL THE JAVA APACHE PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, 
INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT 
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR 
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, 
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) 
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE 
POSSIBILITY OF SUCH DAMAGE.
%% The following software may be included in this product: Apache XML Security. Use of any of this software is governed by the terms of the license below:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met: Redistribution of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistribution in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. All advertising materials mentioning features or use of this software must display the following acknowledgment: This product includes software developed by the Java Apache Project for use in the Apache JServ servlet engine project (http://java.apache.org/).

The names "Apache JServ", "Apache JServ Servlet Engine" and "Java Apache Project" must not be used to endorse or promote products derived from this software without prior written permission. Products derived from this software may not be called "Apache JServ" nor may "Apache" nor "Apache JServ" appear in their names without prior written permission of the Java Apache Project. Redistribution of any form whatsoever must retain the following acknowledgment: This product includes software developed by the Java Apache Project for use in the Apache JServ servlet engine project (http://java.apache.org/).

THIS SOFTWARE IS PROVIDED BY THE JAVA APACHE PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JAVA APACHE PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

%% The following software may be included in this product: Apache Commons Logging, Apache Commons Digester, Apache Commons Bean Utils, Apache Commons Collections.. Use of any of this software is governed by the terms of the license below:

/*
 * ====================================================================
 *
 * The Apache Software License, Version 1.1
 *
 * Copyright (c) 2001-2003 The Apache Software Foundation. All rights
 * reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 */
* 2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in
   the documentation and/or other materials provided with the
   distribution.
*
* 3. The end-user documentation included with the redistribution,
   if any, must include the following acknowledgement:
   "This product includes software developed by the
   Apache Software Foundation (http://www.apache.org/)."
   Alternately, this acknowledgement may appear in the software itself,
   if and wherever such third-party acknowledgements normally appear.
*
   Foundation" must not be used to endorse or promote products derived
   from this software without prior written permission. For written
   permission, please contact apache@apache.org.
*
* 5. Products derived from this software may not be called "Apache"
   nor may "Apache" appear in their name without prior
   written permission of the Apache Software Foundation.
*
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
*===================================================================
*
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
*
* /

*Woodstock 4.0

%%% The following software may be included in this product: Dojo
Use of any of this software is governed by the terms of the license below:

This Academic Free License (the "License") applies to any original work of
Open Source Used In CSPC_Collector 2.9.1 4639

source (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work:

Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license to do the following:

* to reproduce the Original Work in copies;
* to prepare derivative works ("Derivative Works") based upon the Original Work;
* to distribute copies of the Original Work and Derivative Works to the public;
* to perform the Original Work publicly; and
* to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative
Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately proceeding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent
infringement by combinations of the Original Work with other software or hardware.

11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys’ fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

Previous Approved Versions: AFL 2.0, AFL 1.2, AFL 1.1
Plain Text Version

Copyright ? 2005 by the Open Source Initiative
Technical questions about the website go to Steve M.: webmaster at
opensource.org / Policy questions about open source go to the Board of Directors.

The contents of this website are licensed under the Open Software License 2.1 or Academic Free License 2.1

OSI is a registered non-profit with 501(c)(3) status. Donating to OSI is one way to show your support.

%%% The following software may be included in this product: JSON
Use of any of this software is governed by the terms of the license below:

Copyright (c) 2002 JSON.org

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The Software shall be used for Good, not Evil.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

%%% The following software may be included in this product: Shale, Velocity
Use of any of this software is governed by the terms of the license below:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity.
For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this
License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

1. You must give any other recipients of the Work or Derivative Works a copy of this License; and

2. You must cause any modified files to carry prominent notices stating that You changed the files; and

3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.
END OF TERMS AND CONDITIONS

%% The following software may be included in this product: Prototype
Use of any of this software is governed by the terms of the license below:

Copyright (c) 2005-2007 Sam Stephenson
2
3 Permission is hereby granted, free of charge, to any person obtaining a copy
4 of this software and associated documentation files (the "Software"), to deal
5 in the Software without restriction, including without limitation the rights
6 to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
7 copies of the Software, and to permit persons to whom the Software is
8 furnished to do so, subject to the following conditions:
9
10 THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
11 IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
12 FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
13 AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
14 LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
15 OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
16 SOFTWARE.

*Update Center 1.0

%% The following software may be included in this product: JDIC, Swing Layout extensions. Use of any of this
software is governed by the terms of the license below:

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL.  It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share
and change it. By contrast, the GNU General Public Licenses are intended to
guarantee your freedom to share and change free software--to make sure the
software is free for all its users.
This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.
When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law; that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   * a) The modified work must itself be a software library.
   * b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
   * c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
   * d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a
purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even
though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

* a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an
executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

* b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

* c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

* d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

* e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

* a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

* b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING...
END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the library's name and an idea of what it does.
Copyright (C) year  name of author

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

signature of Ty Coon, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
Copyright (c) 2001-2004 Sun Microsystems, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment: "This product includes software developed by Sun Microsystems, Inc. for JXTA(TM) technology." Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names "Sun", "Sun Microsystems, Inc.", "JXTA" and "Project JXTA" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact Project JXTA at http://www.jxta.org.

5. Products derived from this software may not be called "JXTA", nor may "JXTA" appear in their name, without prior written permission of Sun.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL SUN MICROSYSTEMS OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

JXTA is a registered trademark of Sun Microsystems, Inc. in the United States and other countries.

*JBI
The following software may be included in this product: XML Beans, commons-httpclient.jar, resolver.jar, commons-codec, commons-logging

Use of any of this software is governed by the terms of the license below:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version
of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   1. You must give any other recipients of the Work or Derivative Works a copy of this License; and

   2. You must cause any modified files to carry prominent notices stating that You changed the files; and

   3. You must retain, in the Source form of any Derivative Works that You
4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and where such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in
writing, shall any Contributor be liable to You for damages, including any
direct, indirect, special, incidental, or consequential damages of any character
arising as a result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill, work stoppage,
computer failure or malfunction, or any and all other commercial damages or
losses), even if such Contributor has been advised of the possibility of such
damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or
Derivative Works thereof, You may choose to offer, and charge a fee for,
acceptance of support, warranty, indemnity, or other liability obligations
and/or rights consistent with this License. However, in accepting such
obligations, You may act only on Your own behalf and on Your sole
responsibility, not on behalf of any other Contributor, and only if You agree to
indemnify, defend, and hold each Contributor harmless for any liability incurred
by, or claims asserted against, such Contributor by reason of your accepting any
such warranty or additional liability.

END OF TERMS AND CONDITIONS

%% The following software may be included in this product: wsdl4j.jar
Use of any of this software is governed by the terms of the license below:

Common Public License - v 1.0
THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC
LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM
CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS
"Contribution" means:
a) in the case of the initial Contributor, the initial code and documentation
distributed under this Agreement, and
b) in the case of each subsequent Contributor:
   i) changes to the Program, and
   ii) additions to the Program;
where such changes and/or additions to the Program originate from and are
distributed by that particular Contributor. A Contribution 'originates' from a
Contributor if it was added to the Program by such Contributor itself or
anyone acting on such Contributor's behalf. Contributions do not include
additions to the Program which: (i) are separate modules of software
distributed in conjunction with the Program under their own license agreement,
and (ii) are not derivative works of the Program.
"Contributor" means any person or entity that distributes the Program.
"Licensed Patents " mean patent claims licensable by a Contributor which are
necessarily infringed by the use or sale of its Contribution alone or when
combined with the Program.
"Program" means the Contributions distributed in accordance with this
Agreement.
"Recipient" means anyone who receives the Program under this Agreement,
including all Contributors.

2. GRANT OF RIGHTS
   a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.
   b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.
   c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.
   d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS
   A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:
   a) it complies with the terms and conditions of this Agreement; and
   b) its license agreement:
      i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
      ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
      iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and
      iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.
When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify any other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.
6. DISCLAIMER OF LIABILITY
EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY
CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION
LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE
EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY
OF SUCH DAMAGES.

7. GENERAL
If any provision of this Agreement is invalid or unenforceable under
applicable law, it shall not affect the validity or enforceability of the
remainder of the terms of this Agreement, and without further action by the
parties hereto, such provision shall be reformed to the minimum extent
necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect
to a patent applicable to software (including a cross-claim or counterclaim in
a lawsuit), then any patent licenses granted by that Contributor to such
Recipient under this Agreement shall terminate as of the date such litigation
is filed. In addition, if Recipient institutes patent litigation against any
entity (including a cross-claim or counterclaim in a lawsuit) alleging that
the Program itself (excluding combinations of the Program with other software
or hardware) infringes such Recipient's patent(s), then such Recipient's
rights granted under Section 2(b) shall terminate as of the date such
litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to
comply with any of the material terms or conditions of this Agreement and does
not cure such failure in a reasonable period of time after becoming aware of
such noncompliance. If all Recipient's rights under this Agreement terminate,
Recipient agrees to cease use and distribution of the Program as soon as
reasonably practicable. However, Recipient's obligations under this Agreement
and any licenses granted by Recipient relating to the Program shall continue
and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in
order to avoid inconsistency the Agreement is copyrighted and may only be
modified in the following manner. The Agreement Steward reserves the right to
publish new versions (including revisions) of this Agreement from time to
time. No one other than the Agreement Steward has the right to modify this
Agreement. IBM is the initial Agreement Steward. IBM may assign the
responsibility to serve as the Agreement Steward to a suitable separate
entity. Each new version of the Agreement will be given a distinguishing
version number. The Program (including Contributions) may always be
distributed subject to the version of the Agreement under which it was
received. In addition, after a new version of the Agreement is published,
Contributor may elect to distribute the Program (including its Contributions)
under the new version. Except as expressly stated in Sections 2(a) and 2(b)
above, Recipient receives no rights or licenses to the intellectual property
of any Contributor under this Agreement, whether expressly, by implication,
estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

Copyright  2007 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.

Sun Microsystems, Inc. has intellectual property rights relating to technology embodied in the product that is described in this document. In particular, and without limitation, these intellectual property rights may include one or more of the U.S. patents listed at http://www.sun.com/patents and one or more additional patents or pending patent applications in the U.S. and in other countries.

Unpublished - rights reserved under the Copyright Laws of the United States.

U.S. Government Rights - Commercial software. Government users are subject to the Sun Microsystems, Inc. standard license agreement and applicable provisions of the FAR and its supplements.

Use is subject to license terms.

This distribution may include materials developed by third parties.

Parts of the product may be derived from Berkeley BSD systems, licensed from the University of California. UNIX is a registered trademark in the U.S. and in other countries, exclusively licensed through X/Open Company, Ltd.

Sun, Sun Microsystems, the Sun logo, Java, Jini, Netra, Solaris, Sun Ray, Sun Java System Application Server , Java API for XML-based RPC, Java APIs for XML Web Services, Java Architecture for XML Binding, Java Authorization Contract for Containers, Java EE, Java Message Queue, Java Persistence API, Java Servlet, JavaMail, Enterprise JavaBeans, JavaServer Pages, JavaServer Faces, JDBC and Java API for XML Registries are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries.

This product is covered and controlled by U.S. Export Control laws and may be subject to the export or import laws in other countries. Nuclear, missile, chemical biological weapons or nuclear maritime end uses or end users, whether direct or indirect, are strictly prohibited. Export or reexport to countries subject to U.S. embargo or to entities identified on U.S. export exclusion lists, including, but not limited to, the denied persons and specially designated nationals lists is strictly prohibited.

Copyright  2007 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, Etats-Unis. Tous droits rservs.

Sun Microsystems, Inc. dtient les droits de propit intellectuels relatifs la technologie incorpore dans le produit qui est dcrir dans ce document. En particulier, et ce sans limitation, ces droits de propit intellectuelle peuvent inclure un ou plus des brevets americains lists l'adresse http://www.sun.com/patents et un ou les brevets supplmentaires ou les applications de brevet en attente aux Etats - Unis et dans les autres pays.

Non publie - droits rservs selon la lgislation des Etats-Unis sur le droit d'auteur.
L'utilisation est soumise aux termes de la Licence.

Cette distribution peut comprendre des composants développés par des tierces parties.

Des parties de ce produit pourront être utilisés dans des systèmes Berkeley BSD licenciés par l'Université de Californie. UNIX est une marque déposée aux États-Unis et dans d'autres pays et licenciée exclusivement par X/Open Company, Ltd.

Sun, Sun Microsystems, le logo Sun, Java, Jini, Netra, Solaris, Sun Ray, Sun Java System Application Server, Java API for XML-based RPC, Java APIs for XML Web Services, Java Architecture for XML Binding, Java Authorization Contract for Containers, Java EE, Java Message Queue, Java Persistence API, Java Servlet, JavaMail, Enterprise JavaBeans, JavaServer Pages, JavaServer Faces, JDBC et Java API for XML Registries sont des marques de fabrique ou des marques déposées de Sun Microsystems, Inc. aux États-Unis et dans d'autres pays.

Ce produit est soumis à la législation américaine en matière de contrôle des exportations et peut être soumis à la réglementation en vigueur dans d'autres pays dans le domaine des exportations et importations. Les utilisations, ou utilisateurs finaux, pour des armes nucléaires, des missiles, des armes biologiques et chimiques ou du nucléaire maritime, directement ou indirectement, sont strictement interdites. Les exportations ou réexportations vers les pays sous embargo américain, ou vers des entités figurant sur les listes d'exclusion d'exportation américaines, y compris, mais de manière non exhaustive, les listes de personnes qui font objet d'un ordre de ne pas participer, d'une façon directe ou indirecte, aux exportations des produits ou des services qui sont régis par la législation américaine en matière de contrôle des exportations et la liste de ressortissants spécifiquement désignés, sont rigoureusement interdites.

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable means the Covered Software in any form other than Source Code.

1.5. Initial Developer means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License means this document.

1.8. Licensable means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing
B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You (or Your) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, You includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, control means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant. Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:
(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and
(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).
(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.
(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant. Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:
(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and
(b) under PatentClaims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such
3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipients rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or...
such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a)rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b)otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN AS IS BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.
6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPOE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item, as that term is defined in 48C.F.R.2.101 (Oct. 1995), consisting of commercial computer software (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and commercial computer software documentation as such terms are used in 48C.F.R.12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdictions conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible...
for costs, including, without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)
The GlassFish code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing
Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use,
reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.
3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN AS IS. BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGING. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE
OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant,) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a .commercial item., as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of .commercial computer software. (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and .commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.
9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction’s conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys’ fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation’s software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty
2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

    signature of Ty Coon, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2
Certain source files distributed by Sun Microsystems, Inc. are subject to the following clarification and special exception to the GPL Version 2, but only where Sun has expressly included in the particular source file's header the words

"Sun designates this particular file as subject to the "Classpath" exception as provided by Sun in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

1.469 httpcomponents-httpmime 4.2
1.469.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

This project contains annotations derived from JCIP-ANNOTATIONS Copyright (c) 2005 Brian Goetz and Tim Peierls. See http://www.jcip.net and the Creative Commons Attribution License (http://creativecommons.org/licenses/by/2.5) Apache HttpComponents HttpMime Copyright 1999-2012 The Apache Software Foundation

This product includes software developed by The Apache Software Foundation (http://www.apache.org/).

1.470 regexp 2.6.0

1.470.1 Available under license: Apache License

Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation.
source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

==============================================================================

APACHE HARMONY SUBCOMPONENTS:

Apache Harmony includes a number of subcomponents with separate copyright notices and license terms. Your use of the source code for these subcomponents is subject to the terms and conditions of the following licenses.

License Notice for ICU4J version 4.2.1
ICU4J license - ICU4J 1.8.1 and later

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2009 International Business Machines Corporation and others

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of
this software and associated documentation files (the "Software"), to deal in
the Software without restriction, including without limitation the rights to
use, copy, modify, merge, publish, distribute, and/or sell copies of the
Software, and to permit persons to whom the Software is furnished to do so,
provided that the above copyright notice(s) and this permission notice appear
in all copies of the Software and that both the above copyright notice(s) and
this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT
OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR
HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL
INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING
FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT,
NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION
WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder
shall not be used in advertising or otherwise to promote the sale, use
or other dealings in this Software without prior written authorization
of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of
their respective owners.

License Notice for FDLIBM version 5.3

Copyright (C) 2004 by Sun Microsystems, Inc. All rights reserved.

Developed at SunSoft, a Sun Microsystems, Inc. business.
Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

================================================================================
License Notice for ZLIB version 1.2.3
================================================================================
(C) 1995-2004 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly        Mark Adler
jlp@gzip.org          madler@alumni.caltech.edu

================================================================================
Visual C++ Runtime Files
================================================================================
The file msvcr71.dll is the Microsoft(R) C Runtime Library.
The file msvcp71.dll is the Microsoft Multithreaded Standard C++ Library.

These files are redistributed from Microsoft(R) Visual Studio 7.1 as described in the file "redist.txt" available with that product.

================================================================================
License Notice for Bouncy Castle version 1.45
================================================================================
Copyright (c) 2000 - 2009 The Legion Of The Bouncy Castle (http://www.bouncycastle.org)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

================================================================================
License Notice for MX4J 3.0.2.
================================================================================
Copyright (c) 2001-2004 by the MX4J contributors. All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:
"This product includes software developed by the MX4J project (http://mx4j.sourceforge.net)."
Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The name "MX4J" must not be used to endorse or promote products derived from this software without prior written permission.
For written permission, please contact

5. Products derived from this software may not be called "MX4J", nor may "MX4J" appear in their name, without prior written permission of Simone Bordet.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE MX4J CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

====================================================================
This software consists of voluntary contributions made by many individuals on behalf of the MX4J project. For more information on MX4J, please see the MX4J website (http://mx4j.sourceforge.net/).
Notice for The Independent JPEG Group's JPEG software

This distribution may contain software that is based in part on the work of the Independent JPEG Group for which the following notice applies:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-1998, Thomas G. Lane. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:
(1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.
Notice for Little CMS

This distribution may contain software that is based in part on Little cms for which the following notice applies:

Copyright (c) 1998-2007 Marti Maria Saguer

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Notice for libpng

This distribution may contain software that is based in part on libpng v1.2.38 for which the following notice applies:

libpng versions 1.2.6, August 15, 2004, through 1.2.38, July 16, 2009, are Copyright (c) 2004, 2006-2009 Glenn Randers-Pehrson, and are
distributed according to the same disclaimer and license as libpng-1.2.5
with the following individual added to the list of Contributing Authors:

Cosmin Truta

libpng versions 1.0.7, July 1, 2000, through 1.2.5, October 3, 2002, are
Copyright (c) 2000-2002 Glenn Randers-Pehrson, and are
distributed according to the same disclaimer and license as libpng-1.0.6
with the following individuals added to the list of Contributing Authors:

Simon-Pierre Cadieux
Eric S. Raymond
Gilles Vollant

and with the following additions to the disclaimer:

There is no warranty against interference with your enjoyment of the
library or against infringement. There is no warranty that our
efforts or the library will fulfill any of your particular purposes
or needs. This library is provided with all faults, and the entire
risk of satisfactory quality, performance, accuracy, and effort is with
the user.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are
Copyright (c) 1998, 1999, 2000 Glenn Randers-Pehrson, and are
distributed according to the same disclaimer and license as libpng-0.96,
with the following individuals added to the list of Contributing Authors:

Tom Lane
Glenn Randers-Pehrson
Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are
Copyright (c) 1996, 1997 Andreas Dilger
Distributed according to the same disclaimer and license as libpng-0.88,
with the following individuals added to the list of Contributing Authors:

John Bowler
Kevin Bracey
Sam Bushell
Magnus Holmgren
Greg Roelofs
Tom Tanner

libpng versions 0.5, May 1995, through 0.88, January 1996, are
Copyright (c) 1995, 1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors"
is defined as the following set of individuals:

Andreas Dilger
Dave Martindale
Guy Eric Schalnat
Paul Schmidt
Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this source code must not be misrepresented.

2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.

3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

===============================================================================
Notice for Unicode Character Database
===============================================================================

Copyright (c) 1991-2005 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of
the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

===============================================================================
===============================================================================

Notice for IETF RFCs prior to 2005
===============================================================================

This distribution may contain software that is based in part on the work of the following IETF RFCs. Portions of the IETF RFC specifications may be included in source code comments for reference, and in accordance with the licensing terms, the licenses are reproduced here:

RFC 1779 - A String Representation of Distinguished Names

RFC 2045 - Multipurpose Internet Mail Extensions (MIME) Part One: Format of Internet Message Bodies
The following statement applies to each RFC:

This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this paragraph are included on all such copies and derivative works. However, this document itself may not be modified in any way, such as by removing
the copyright notice or references to the Internet Society or other
Internet organizations, except as needed for the purpose of
developing Internet standards in which case the procedures for
copyrights defined in the Internet Standards process must be
followed, or as required to translate it into languages other than
English.

The limited permissions granted above are perpetual and will not be
revoked by the Internet Society or its successors or assigns.

This document and the information contained herein is provided on an
"AS IS" basis and THE INTERNET SOCIETY AND THE INTERNET ENGINEERING
TASK FORCE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING
BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION
HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED WARRANTIES OF
MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Notice for IETF RFCs from 2005 onwards
======================================

This distribution may contain software that is based in part on the work of
the following IETF RFCs. Portions of the IETF RFC specifications may be
included in source code comments for reference, and in accordance with
the licensing terms, the licenses are reproduced here:

RFC 4122 - A Universally Unique Identifier (UUID) URN Namespace
Copyright (C) The Internet Society (2005).

The following statement applies to this RFC:

Copyright (C) The Internet Society (2005).

This document is subject to the rights, licenses and restrictions
contained in BCP 78, and except as set forth therein, the authors
retain all their rights.

This document and the information contained herein are provided
on an "AS IS" basis and THE CONTRIBUTOR, THE ORGANIZATION HE/SHE
REPRESENTS OR IS SPONSORED BY (IF ANY), THE INTERNET SOCIETY AND
THE INTERNET ENGINEERING TASK FORCE DISCLAIM ALL WARRANTIES,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT
THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR
ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A
PARTICULAR PURPOSE.
Notice for RSA Public-Key Cryptography Standards
==============================================

Portions of Apache Harmony reference RSA Public-Key Cryptography Standards: PKCS#7, PKCS#8 and PKSC#10. Portions of these standards are included in Harmony Javadoc for reference, and in accordance with the licensing terms for PKCS#7, PKCS#8 and PKSC#10, the full copyright statement is here:

Copyright 1991-1993 RSA Laboratories, a division of RSA Data Security, Inc.
License to copy this document is granted provided that it is identified as "RSA Data Security, Inc. Public-Key Cryptography Standards (PKCS)” in all material mentioning or referencing this document.

Notice for Apache Yoko
----------------------

This distribution may contain software that is based in part on Apache Yoko for which the following notice applies:

Apache Yoko is an effort undergoing incubation at the Apache Software Foundation (ASF). Incubation is required of all newly accepted projects until a further review indicates that the infrastructure, communications, and decision making process have stabilized in a manner consistent with other successful ASF projects. While incubation status is not necessarily a reflection of the completeness or stability of the code, it does indicate that the project has yet to be fully endorsed by the ASF.

http://incubator.apache.org/yoko/
Notice for the Eclipse JDT Core Batch Compiler

The license terms for the Eclipse JDT Core Batch Compiler are available at http://www.eclipse.org/legal/epl-v10.html

Source code for the Eclipse JDT Core Batch Compiler can be found at: http://download.eclipse.org/eclipse/downloads/

Navigate to the version of ECJ used in this distribution, and the source is provided in a ZIP file in the section titled "JDT Core Batch Compiler".

License notice for the DejaVu fonts package

Fonts are (c) Bitstream (see below). DejaVu changes are in public domain. Glyphs imported from Arev fonts are (c) Tavmjung Bah (see below)

Bitstream Vera Fonts Copyright

Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trademark of Bitstream, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute the Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Bitstream" or the word
"Vera".

This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Bitstream Vera" names.

The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by itself.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the names of Gnome, the Gnome Foundation, and Bitstream Inc., shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from the Gnome Foundation or Bitstream Inc., respectively. For further information, contact: fonts at gnome dot org.

Arev Fonts Copyright
-----------------------
Copyright (c) 2006 by Tavmjong Bah. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute the modifications to the Bitstream Vera Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either
the words "Tavmjong Bah" or the word "Arev".

This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Tavmjong Bah Arev" names.

The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by itself.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL TAVMJONG BAH BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the name of Tavmjong Bah shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from Tavmjong Bah. For further information, contact: tavmjong @ free . fr.

===============================================================================
===============================================================================

License notice for ASM

ASM: a very small and fast Java bytecode manipulation framework
Copyright (c) 2000-2005 INRIA, France Telecom
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

===============================================================================
===============================================================================

License notice for Junit

This distribution may contain a jar file based on Junit 4.2.1 for which the following notice applies:

Copyright 2001-2009 Kent Beck <kent@threeriversinstitute.org>
Copyright 2000-2009 Erich Gamma <erich_gamma@acm.org>
Copyright 2006-2009 David Saff <david@saff.net>

Common Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and
ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents " mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a
condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the
originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY
EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated
in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to
the intellectual property of any Contributor under this Agreement, whether
expressly, by implication, estoppel or otherwise. All rights in the Program not
expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the
intellectual property laws of the United States of America. No party to this
Agreement will bring a legal action under this Agreement more than one year
after the cause of action arose. Each party waives its rights to a jury trial
in any resulting litigation.

===============================================================================

License notice for Hamcrest
===============================================================================

BSD License

Copyright (c) 2000-2006, www.hamcrest.org
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of
conditions and the following disclaimer. Redistributions in binary form must reproduce
the above copyright notice, this list of conditions and the following disclaimer in
the documentation and/or other materials provided with the distribution.

Neither the name of Hamcrest nor the names of its contributors may be used to endorse
or promote products derived from this software without specific prior written
permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY
EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO
EVENT
SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED
TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Apache Harmony
Copyright 2006, 2010 The Apache Software Foundation.

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions of Apache Harmony were originally developed by
Intel Corporation and are licensed to the Apache Software Foundation under the "Software Grant and Corporate Contribution License Agreement" and for which the following copyright notices apply
(C) Copyright 2005 Intel Corporation
(C) Copyright 2005-2006 Intel Corporation
(C) Copyright 2006 Intel Corporation

Portions of Apache Harmony's Class Library TEXT module contain JavaDoc derived from the ICU project.
Copyright (c) 1995-2008 International Business Machines Corporation and others

The Apache Harmony Development Kit (HDK) contains a jar file from the Apache Derby Project for which the following notice applies:

Apache Derby
Copyright 2004-2007 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Portions of Derby were originally developed by
International Business Machines Corporation and are licensed to the Apache Software Foundation under the "Software Grant and Corporate Contribution License Agreement", informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code with which this file is now or was at one time distributed and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation.
All rights reserved.

(C) Copyright IBM Corp. 2003.

The portion of the functionTests under 'nist' was originally
1.471 jersey 2.26

1.471.1 Available under license:
COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.1

1. Definitions.

1.1. "Contributor" means each individual or entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. "Covered Software" means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. "Executable" means the Covered Software in any form other than Source Code.

1.5. "Initial Developer" means the individual or entity that first makes Original Software available under this License.

1.6. "Larger Work" means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. "License" means this document.

1.8. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;
B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. "Original Software" means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. "Source Code" means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on
the date Initial Developer first distributes or otherwise makes the
Original Software available to a third party under the terms of this
License.

(d) Notwithstanding Section 2.1(b) above, no patent license is
granted: (1) for code that You delete from the Original Software, or
(2) for infringements caused by: (i) the modification of the
Original Software, or (ii) the combination of the Original Software
with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject
to third party intellectual property claims, each Contributor hereby
grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or
trademark) Licensable by Contributor to use, reproduce, modify,
display, perform, sublicense and distribute the Modifications
created by such Contributor (or portions thereof), either on an
unmodified basis, with other Modifications, as Covered Software
and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling
of Modifications made by that Contributor either alone and/or in
combination with its Contributor Version (or portions of such
combination), to make, use, sell, offer for sale, have made, and/or
otherwise dispose of: (1) Modifications made by that Contributor (or
portions thereof); and (2) the combination of Modifications made by
that Contributor with its Contributor Version (or portions of such
combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective
on the date Contributor first distributes or otherwise makes the
Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is
granted: (1) for any code that Contributor has deleted from the
Contributor Version; (2) for infringements caused by: (i) third
party modifications of Contributor Version, or (ii) the combination
of Modifications made by that Contributor with other software
(except as part of the Contributor Version) or other devices; or (3)
under Patent Claims infringed by Covered Software in the absence of
Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License.
and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.


You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Oracle is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to
note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as "Participant") alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. If You assert a patent infringement claim against Participant alleging that the Participant Software directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses
granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within
the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

------------------------------------------------------------------------

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor
Boston, MA 02110-1335
USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a
warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would
not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we
sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program’s name and a brief idea of what it does. Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1335 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type
`show w'. This is free software, and you are welcome to redistribute
it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the commands
you use may be called something other than `show w' and `show c'; they
could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (which makes passes at compilers) written by
James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications
with the library. If this is what you want to do, use the GNU Library
General Public License instead of this License.

#

Certain source files distributed by Oracle America, Inc. and/or its
affiliates are subject to the following clarification and special
exception to the GPLv2, based on the GNU Project exception for its
Classpath libraries, known as the GNU Classpath Exception, but only
where Oracle has expressly included in the particular source file's
header the words "Oracle designates this particular file as subject to
You should also note that Oracle includes multiple, independent programs in this software package. Some of those programs are provided under licenses deemed incompatible with the GPLv2 by the Free Software Foundation and others. For example, the package includes programs licensed under the Apache License, Version 2.0. Such programs are licensed to you under their original licenses.

Oracle facilitates your further distribution of this package by adding the Classpath Exception to the necessary parts of its GPLv2 code, which permits you to use that code in combination with other independent modules not licensed under the GPLv2. However, note that this would not permit you to commingle code under an incompatible license with Oracle's GPLv2 licensed code by, for example, cutting and pasting such code into a file also containing Oracle's GPLv2 licensed code and then distributing the result. Additionally, if you were to remove the Classpath Exception from any of the files to which it applies and distribute the result, you would likely be required to license some or all of the other code in that distribution under the GPLv2 as well, and since the GPLv2 is incompatible with the license terms of some items included in the distribution by Oracle, removing the Classpath Exception could therefore effectively compromise your ability to further distribute the package.

Proceed with caution and we recommend that you obtain the advice of a lawyer skilled in open source matters before removing the Classpath Exception or making modifications to this package which may subsequently be redistributed and/or involve the use of third party software.

CLASSPATH EXCEPTION

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement.
from your version.
/*
 * DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS HEADER.
 *
 * Copyright (c) YYYY Oracle and/or its affiliates. All rights reserved.
 *
 * The contents of this file are subject to the terms of either the GNU
 * General Public License Version 2 only ("GPL") or the Common Development
 * and Distribution License("CDDL") (collectively, the "License"). You
 * may not use this file except in compliance with the License. You can
 * obtain a copy of the License at
 * https://oss.oracle.com/licenses/CDDL+GPL-1.1
 * or LICENSE.txt. See the License for the specific
 * language governing permissions and limitations under the License.
 *
 * When distributing the software, include this License Header Notice in each
 * file and include the License file at LICENSE.txt.
 *
 * GPL Classpath Exception:
 * Oracle designates this particular file as subject to the "Classpath"
 * exception as provided by Oracle in the GPL Version 2 section of the License
 * file that accompanied this code.
 *
 * Modifications:
 * If applicable, add the following below the License Header, with the fields
 * enclosed by brackets [] replaced by your own identifying information:
 * "Portions Copyright [year] [name of copyright owner]"
 *
 * Contributor(s):
 * If you wish your version of this file to be governed by only the CDDL or
 * only the GPL Version 2, indicate your decision by adding "[Contributor]
 * elects to include this software in this distribution under the [CDDL or GPL
 * Version 2] license." If you don't indicate a single choice of license, a
 * recipient has the option to distribute your version of this file under
 * either the CDDL, the GPL Version 2 or to extend the choice of license to
 * its licensees as provided above. However, if you add GPL Version 2 code
 * and therefore, elected the GPL Version 2 license, then the option applies
 * only if the new code is made subject to such option by the copyright
 * holder.
 */

DO NOT TRANSLATE OR LOCALIZE.

%% The following software may be included in this product: ASM
Use of any of this software is governed by the terms of the license below:

Copyright (c) 2000-2005 INRIA, France Telecom
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

%%% The following software may be included in this product: Jettison
Use of any of this software is governed by the terms of the license below:

Copyright 2006 Envoi Solutions LLC

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

1. You must give any other recipients of the Work or Derivative Works a copy of this License; and

2. You must cause any modified files to carry prominent notices stating that You changed the files; and

3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

%% The following software may be included in this product: Jackson
Use of any of this software is governed by the terms of the license below:

Jackson is dual-licensed under two alternative popular Open Source licenses: Apache (AL 2.0) and Gnu Lesser GPL
Open Source Used In CSPC_Collector 2.9.1  4733

(LGPL 2.1). You choose one or the other, as necessary (if you want to redistribute the code for use, you do not need license), and abide by the license rules as defined by the respective license agreement (and only that one).

---------------------------------------------------------------------------------------------------------------------

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously
marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   1. You must give any other recipients of the Work or Derivative Works a copy of this License; and
   2. You must cause any modified files to carry prominent notices stating that You changed the files; and
   3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
   4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for
inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS
APPENDIX: How to apply the Apache License to your work

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.472 librepo 1.12.0 2.el8

1.472.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:
a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable “work that uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you...
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and
"any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.473 icu 64
1.473.1 Available under license :

COPYRIGHT AND PERMISSION NOTICE (ICU 58 and later)

Copyright 1991-2019 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in https://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining
a copy of the Unicode data files and any associated documentation
(the "Data Files") or Unicode software and any associated documentation
(the "Software") to deal in the Data Files or Software
without restriction, including without limitation the rights to use,
copy, modify, merge, publish, distribute, and/or sell copies of
the Data Files or Software, and to permit persons to whom the Data Files
or Software are furnished to do so, provided that either
(a) this copyright and permission notice appear with all copies
of the Data Files or Software, or
(b) this copyright and permission notice appear in associated
Documentation.
THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

---------------------

Third-Party Software Licenses

This section contains third-party software notices and/or additional terms for licensed third-party software components included within ICU libraries.

1. ICU License - ICU 1.8.1 to ICU 57.1

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2016 International Business Machines Corporation and others
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER
RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.


# The Google Chrome software developed by Google is licensed under # the BSD license. Other software included in this distribution is # provided under other licenses, as set forth below. # # The BSD License # http://opensource.org/licenses/bsd-license.php # Copyright (C) 2006-2008, Google Inc. # # All rights reserved. # # Redistribution and use in source and binary forms, with or without # modification, are permitted provided that the following conditions are met: # # Redistributions of source code must retain the above copyright notice, # this list of conditions and the following disclaimer. # Redistributions in binary form must reproduce the above # copyright notice, this list of conditions and the following # disclaimer in the documentation and/or other materials provided with # the distribution. # Neither the name of Google Inc. nor the names of its # contributors may be used to endorse or promote products derived from # this software without specific prior written permission. # # # THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND # CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, # INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF # MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE # DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE # LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR # CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF # SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR # BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF # LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
The word list in cjdict.txt are generated by combining three word lists listed below with further processing for compound word breaking. The frequency is generated with an iterative training against Google web corpora.

* Libtabe (Chinese)
- https://sourceforge.net/project/?group_id=1519
- Its license terms and conditions are shown below.

* IPADIC (Japanese)
- http://chasen.aist-nara.ac.jp/chasen/distribution.html
- Its license terms and conditions are shown below.

--------COPYING.libtabe Begin---------------------
/*
 * Copyright (c) 1999 TaBE Project.
 * Copyright (c) 1999 Pai-Hsiang Hsiao.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * . Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * . Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in
 * the documentation and/or other materials provided with the
 * distribution.
 * . Neither the name of the TaBE Project nor the names of its
 * contributors may be used to endorse or promote products derived
 * from this software without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
 * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
 * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
 * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
 * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
 * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
 * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
 * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
 * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
#
# /*
# */
# * Copyright (c) 1999 Computer Systems and Communication Lab,
# * Institute of Information Science, Academia
# * Sinica. All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * Redistributions in binary form must reproduce the above copyright
# * notice, this list of conditions and the following disclaimer in
# * the documentation and/or other materials provided with the
# * distribution.
# * Neither the name of the Computer Systems and Communication Lab
# * nor the names of its contributors may be used to endorse or
# * promote products derived from this software without specific
# * prior written permission.
# *
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
#
# Copyright 1996 Chih-Hao Tsai @ Beckman Institute,
# University of Illinois
# c-tsai4@uiuc.edu  http://casper.beckman.uiuc.edu/~c-tsai4
#
# ------------------COPYING.libtabe-----END-------------------------------
# *
# ----------COPYING.ipadic-----BEGIN--------------------------------------
# *
# Copyright 2000, 2001, 2002, 2003 Nara Institute of Science
Open Source Used In CSPC_Collector 2.9.1 4751

# and Technology. All Rights Reserved.
#
# Use, reproduction, and distribution of this software is permitted.
# Any copy of this software, whether in its original form or modified,
# must include both the above copyright notice and the following
# paragraphs.
#
# Nara Institute of Science and Technology (NAIST),
# the copyright holders, disclaims all warranties with regard to this
# software, including all implied warranties of merchantability and
# fitness, in no event shall NAIST be liable for
# any special, indirect or consequential damages or any damages
# whatsoever resulting from loss of use, data or profits, whether in an
# action of contract, negligence or other tortuous action, arising out
# of or in connection with the use or performance of this software.
#
# A large portion of the dictionary entries
# originate from ICOT Free Software. The following conditions for ICOT
# Free Software applies to the current dictionary as well.
#
# Each User may also freely distribute the Program, whether in its
# original form or modified, to any third party or parties, PROVIDED
# that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
# on, or be attached to, the Program, which is distributed substantially
# in the same form as set out herein and that such intended
# distribution, if actually made, will neither violate or otherwise
# contravene any of the laws and regulations of the countries having
# jurisdiction over the User or the intended distribution itself.
#
# NO WARRANTY
#
# The program was produced on an experimental basis in the course of the
# research and development conducted during the project and is provided
# to users as so produced on an experimental basis. Accordingly, the
# program is provided without any warranty whatsoever, whether express,
# implied, statutory or otherwise. The term "warranty" used herein
# includes, but is not limited to, any warranty of the quality,
# performance, merchantability and fitness for a particular purpose of
# the program and the nonexistence of any infringement or violation of
# any right of any third party.
#
# Each user of the program will agree and understand, and be deemed to
# have agreed and understood, that there is no warranty whatsoever for
# the program and, accordingly, the entire risk arising from or
# otherwise connected with the program is assumed by the user.
#
# Therefore, neither ICOT, the copyright holder, or any other
# organization that participated in or was otherwise related to the
# development of the program and their respective officials, directors, 
# officers and other employees shall be held liable for any and all 
# damages, including, without limitation, general, special, incidental 
# and consequential damages, arising out of or otherwise in connection 
# with the use or inability to use the program or any product, material 
# or result produced or otherwise obtained by using the program, 
# regardless of whether they have been advised of, or otherwise had 
# knowledge of, the possibility of such damages at any time during the 
# project or thereafter. Each user will be deemed to have agreed to the 
# foregoing by his or her commencement of use of the program. The term 
# "use" as used herein includes, but is not limited to, the use, 
# modification, copying and distribution of the program and the 
# production of secondary products from the program. 
# 
# In the case where the program, whether in its original form or 
# modified, was distributed or delivered to or received by a user from 
# any person, organization or entity other than ICOT, unless it makes or 
# grants independently of ICOT any specific warranty to the user in 
# writing, such person, organization or entity, will also be exempted 
# from and not be held liable to the user for any such damages as noted 
# above as far as the program is concerned. 
# 
# ---------------COPYING.ipadic-----END----------------------------------

3. Lao Word Break Dictionary Data (laodict.txt)

# Copyright (c) 2013 International Business Machines Corporation 
# and others. All Rights Reserved. 
#
# Project: http://code.google.com/p/lao-dictionary/ 
# License: http://lao-dictionary.googlecode.com/git/Lao-Dictionary-LICENSE.txt 
# (copied below)
#
# This file is derived from the above dictionary, with slight 
# modifications. 
# --------------------------------------------------------------
# Copyright (C) 2013 Brian Eugene Wilson, Robert Martin Campbell. 
# All rights reserved. 
#
# Redistribution and use in source and binary forms, with or without 
# modification, 
# are permitted provided that the following conditions are met: 
# 
# # Redistributions of source code must retain the above copyright notice, this 
# list of conditions and the following disclaimer. Redistributions in 
# binary form must reproduce the above copyright notice, this list of
# conditions and the following disclaimer in the documentation and/or
# other materials provided with the distribution.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
# INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# OF THE POSSIBILITY OF SUCH DAMAGE.
#
# 4. Burmese Word Break Dictionary Data (burmesedict.txt)
#
# Copyright (c) 2014 International Business Machines Corporation
# and others. All Rights Reserved.
#
# This list is part of a project hosted at:
# github.com/kanyawtech/myanmar-karen-word-lists
#
# Copyright (c) 2013, LeRoy Benjamin Sharon
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions
# are met: Redistributions of source code must retain the above
# copyright notice, this list of conditions and the following
# disclaimer. Redistributions in binary form must reproduce the
# above copyright notice, this list of conditions and the following
# disclaimer in the documentation and/or other materials provided
# with the distribution.
#
# Neither the name Myanmar Karen Word Lists, nor the names of its
# contributors may be used to endorse or promote products derived
# from this software without specific prior written permission.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
# CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS
# BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
# EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED
# TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
# DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
# ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR
# TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF
# THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
# SUCH DAMAGE.
# Adam Tipton

5. Time Zone Database

ICU uses the public domain data and code derived from Time Zone Database for its time zone support. The ownership of the TZ database is explained in BCP 175: Procedure for Maintaining the Time Zone Database section 7.

# 7. Database Ownership

# The TZ database itself is not an IETF Contribution or an IETF document. Rather it is a pre-existing and regularly updated work that is in the public domain, and is intended to remain in the public domain. Therefore, BCPs 78 [RFC5378] and 79 [RFC3979] do not apply to the TZ Database or contributions that individuals make to it. Should any claims be made and substantiated against the TZ Database, the organization that is providing the IANA Considerations defined in this RFC, under the memorandum of understanding with the IETF, currently ICANN, may act in accordance with all competent court orders. No ownership claims will be made by ICANN or the IETF Trust on the database or the code. Any person making a contribution to the database or code waives all rights to future claims in that contribution or in the TZ Database.

6. Google double-conversion

Copyright 2006-2011, the V8 project authors. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

---

Open Source Used In CSPC_Collector 2.9.1 4754
from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

## -*-makefile-*-

---

## Copyright (C) 2016 and later: Unicode, Inc. and others.
## License & terms of use: http://www.unicode.org/copyright.html
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
## Copyright (c) 1999-2013, International Business Machines Corporation and
## others. All Rights Reserved.

## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBC_CPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADS_CPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH= 
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -$Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS = -Wl,-Bsymbolic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao
## Compilation rules

%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%: $(srcdir)/%.c
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<

%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules

%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed '\s/\([^]*\)\.(o[ \:\]\]*/\1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'"

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed '\s/\([^]*\)\.(o[ \:\]\]*/\1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'"

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION_MAJOR) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bs

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
1.474 microcode-ctl 20200609-
2.20201027.1.el8_3

1.474.1 Available under license:
Copyright (c) 2018-2019 Intel Corporation.
All rights reserved.

Redistribution.

Redistribution and use in binary form, without modification, are permitted, provided that the following conditions are met:

1. Redistributions must reproduce the above copyright notice and the following disclaimer in the documentation and/or other materials provided with the distribution.

2. Neither the name of Intel Corporation nor the names of its suppliers may be used to endorse or promote products derived from this software without specific prior written permission.

3. No reverse engineering, decompilation, or disassembly of this software is permitted.

"Binary form" includes any format that is commonly used for electronic conveyance that is a reversible, bit-exact translation of binary representation to ASCII or ISO text, for example "uuencode".

DISCLAIMER.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
1.475 axis-schema 1.3
1.475.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2003,2004 The Apache Software Foundation.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *     http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/management/Registrar.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/ByteArrayOutputStream.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/http/AxisHTTPSessionListener.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/http/AutoRegisterServlet.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/management/jmx/ServiceAdministratorMBean.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/management/jmx/ServiceAdministrator.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/client/HappyClient.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/management/ServiceAdmin.java

No license file was found, but licenses were detected in source scan.

/*
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *     http://www.apache.org/licenses/LICENSE-2.0
 *
 */
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/XMLChar.java
No license file was found, but licenses were detected in source scan.

/*
 *
 */

*/

* ClasspathUtils.java
*
*
* Copyright 2001-2004 The Apache Software Foundation.
* *
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* *
* http://www.apache.org/licenses/LICENSE-2.0
 *
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*
*/

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/ClasspathUtils.java
No license file was found, but licenses were detected in source scan.

/*
 *
 */

* Copyright 2001-2004 The Apache Software Foundation.
*
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* *
* http://www.apache.org/licenses/LICENSE-2.0
 *
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/deployment/wsdd/providers/WSDDComProvider.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/handlers/LogMessage.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/deployment/wsdd/providers/WSDDEJBProvider.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/wsdd/toJava/JavaDefinitionWriter.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/permissions/DimeBodyPart.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/enum/Use.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/wsdd/toJava/JavaWriter.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/deployment/wsdd/WSDDTransport.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/configuration/DirProvider.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/DefaultJAXRPC11TypeMappingImpl.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/holders/DataHandlerHolder.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/security/AuthenticatedUser.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/ParserControl.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/SerilizerFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/MapDeserializer.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/components/encoding/DefaultXMLEncoder.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/deployment/wsdd/WSDDBeanMapping.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/wsdd/symbolTable/Parameters.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/attachments/DimeDelimitedInputStream.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/security/servlet/ServletAuthenticatedUser.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/types/UnsignedShort.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/ImageDataHandlerDeserializer.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/types/Notation.java
Open Source Used In CSPC_Collector 2.9.1 4764
jar/org/apache/axis/attachments/DimeTypeNameFormat.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/wssdl/symbolTable/DefinedType.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/components/image/ImageIO.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/message/MessageWithAttachments.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/CallbackTarget.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/session/Session.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/schema/SchemaVersion1999.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/handlers/LogHandler.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/attachments/ManagedMemoryDataSource.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/components/uuid/FastUUIDGen.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/components/net/TransportClientProperties.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/DocumentDeserializer.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/local/LocalTransport.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/http/ChunkedOutputStream.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/http/HTTPSender.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/WSDLUtils.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/holders/SourceHolder.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/holders/SourceHolder.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/Base64SerializerFactory.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/message/ParameterDesc.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/local/LocalTransport.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/AxisEngine.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/message/HeaderBuilder.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/http/FilterPrintWriter.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/http/FilterPrintWriter.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/http/HTTPSender.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/HexDeserializerFactory.java

* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/HexDeserializerFactory.java
jar/org/apache/axis/wsdl/symbolTable/Utils.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/DOM2Writer.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/wsdl/symbolTable/ServiceEntry.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/wsdl/gen/GeneratorFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/client/AdminClient.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/handlers/SimpleAuthorizationHandler.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/wsdl/symbolTable/CollectionType.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/message/SAX2EventRecorder.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/attachments/MultiPartRelatedInputStream.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/Deserializer.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/mail/MailTransport.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/types/Id.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/MapDeserializerFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/configuration/FileProvider.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/configuration/MessageContext.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/configuration/Admin.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/monitor/SOAPMonitorService.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/components/image/ImageIOFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/components/compiler/Javac.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/DefaultTypeMappingImpl.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/deployment/wsdd/providers/WSDDJavaMsgProvider.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/TeeOutputStream.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/handlers/soap/SOAPService.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/deployment/wsdd/WSDDElement.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/configuration/NullProvider.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/Base64.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/DeserializerTarget.java
jar/org/apache/axis/handlers/http/HTTPActionHandler.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/deployment/wsdd/providers/WSDDHandlerProvider.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/services/WSDLGenStrategy.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/components/logger/LogFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/encoding/ser/BeanSerializerFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/configuration/Provider.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/wsdl/toJava/JavaTypeWriter.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/wsdl/symbolTable/CollectionTE.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/attachments/AttachmentPart.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/transport/http/AbstractQueryStringHandler.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/utils/FieldPropertyDescriptor.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/handlers/ErrorHandler.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/transport/http/HTTPConstants.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/services/TargetedChain.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/deployment/wsdd/WSDDResponseFlow.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/holders/SchemaHolder.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/encoding/TypeMappingImpl.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/encoding/AttributeSerializationContextImpl.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/components/image/JDK13IO.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/wsdl/symbolTable/ContainedAttribute.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/attachments/SourceDataSource.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/http/HTTPTransport.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/EnumDeserializerFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/wsdl/toJava/JavaUndeployWriter.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/wsdl/toidJava/JavaBindingWriter.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/MapSerializerFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/wsdl/symbolTable/UndefinedDelegate.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/mail/MailWorker.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/components/net/DefaultSocketFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/CalendarSerializer.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/TimeDeserializerFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/async/Status.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/DocumentSerializer.java

Open Source Used In CSPC_Collector 2.9.1 4774
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/encoding/ser/ArrayDeserializer.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/wsdl/toJava/Emitter.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/transport/http/SocketHolder.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/providers/BasicProvider.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/encoding/SimpleType.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/types/Schema.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/Handler.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache,axis/components/net/IBMFakeTrustSocketFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/encoding/ser/DateDeserializer.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/encoding/ser/ElementSerializer.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/attachments/Attachments.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/components/net/JSSESocketFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/deployment/wsdd/WSDDFaultFlow.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/deployment/wsdd/WSDDDeployment.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources.jar/org/apache/axis/transport/mail/Handler.java

Open Source Used In CSPC_Collector 2.9.1 4776
jar/org/apache/axis/encoding/TextSerializationContext.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/wsdl/symbolTable/TypeEntry.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/client/Call.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/HexSerializerFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/SourceDataHandlerDeserializer.java

No license file was found, but licenses were detected in source scan.

/*
* The Apache Software License, Version 1.1
* 
* Copyright (c) 2002 The Apache Software Foundation. All rights
* reserved.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in
*    the documentation and/or other materials provided with the
*    distribution.
* 
* 3. The end-user documentation included with the redistribution,
*    if any, must include the following acknowledgment:
*    "This product includes software developed by the
*    Apache Software Foundation (http://www.apache.org/)."
*    Alternately, this acknowledgment may appear in the software itself,
*    if and wherever such third-party acknowledgments normally appear.
* 
* 4. The names "Axis" and "Apache Software Foundation" must
*    not be used to endorse or promote products derived from this
*    software without prior written permission. For written
*    permission, please contact apache@apache.org.
* 
* 5. Products derived from this software may not be called "Apache",
*    nor may "Apache" appear in their name, without prior written
*    permission of the Apache Software Foundation.
* 
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
* ====================================================================
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
*/

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
* jar/org/apache/axis/encoding/ser/castor/CastorSerializer.java

No license file was found, but licenses were detected in source scan.

/ *
* The Apache Software License, Version 1.1
* *
* Copyright (c) 2001 The Apache Software Foundation. All rights
* reserved.
* *
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* *
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* *
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in
* the documentation and/or other materials provided with the
* distribution.
* *
* 3. The end-user documentation included with the redistribution,
* if any, must include the following acknowledgment:
* "This product includes software developed by the
* Apache Software Foundation (http://www.apache.org/)."
* Alternately, this acknowledgment may appear in the software itself,
* if and wherever such third-party acknowledgments normally appear.
* 4. The names "Axis" and "Apache Software Foundation" must
not be used to endorse or promote products derived from this
software without prior written permission. For written
permission, please contact apache@apache.org.
*
* 5. Products derived from this software may not be called "Apache",
nor may "Apache" appear in their name, without prior written
permission of the Apache Software Foundation.
*
* THIS SOFTWARE IS PROVIDED `"AS IS" AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* ==========================================================================
*
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
*/

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/encoding/ser/castor/AxisContentHandler.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2001-2004 The Apache Software Foundation.
*
* Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
No license file was found, but licenses were detected in source scan.

/*
 * XmlBeanDeserializer.java
 *
 * Copyright 2001-2004 The Apache Software Foundation.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 *
 * Original author: Jonathan Colwell
 */

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/xbeans/XmlBeanDeserializer.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2004 The Apache Software Foundation.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/description/OperationDesc.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/holders/UnsignedShortHolder.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/holders/DateHolder.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/bytecode/ParamReader.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/http/ServletEndpointContextImpl.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/message/SOAPHeader.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/configuration/BasicClientConfig.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/components/net/SocketFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/soap/SOAP11Constants.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/NetworkUtils.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/configuration/EngineConfigurationFactoryServlet.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/holders/PositiveIntegerHolder.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/holders/HexBinaryHolder.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2004 The Apache Software Foundation.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
* http://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/NetworkUtils.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2004 The Apache Software Foundation.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
* http://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2001-2005 The Apache Software Foundation.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/types/Duration.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2001-2005 The Apache Software Foundation.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/ArraySerializer.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/deployment/wsdd/WSDDService.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/deployment/wsdd/WSDDConstants.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/ArraySerializerFactory.java

No license file was found, but licenses were detected in source scan.
jar/org/apache/axis/deployment/wsdd/WSDDArrayMapping.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/wsdl/toJava/JavaDeployWriter.java
No license file was found, but licenses were detected in source scan.

/*
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/SOAPMonitor.java
No license file was found, but licenses were detected in source scan.

/*
 * XmlBeanSerializer.java
 *
 * Copyright 2001-2004 The Apache Software Foundation.
 *
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 *
 * Original author: Jonathan Colwell
 */

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
No license file was found, but licenses were detected in source scan.

/*
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
  jar/org/apache/axis/transport/jms/QueueConnector.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
  jar/org/apache/axis/transport/jms/JNDIVendorAdapter.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
  jar/org/apache/axis/components/jms/JMSVendorAdapter.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
  jar/org/apache/axis/transport/jms/InvokeException.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
  jar/org/apache/axis/transport/jms/JMSConnectorManager.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
  jar/org/apache/axis/transport/jms/InvokeTimeoutException.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
  jar/org/apache/axis/transport/jms/JMSURLConnection.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
  jar/org/apache/axis/transport/jms/SimpleJMSWorker.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
  jar/org/apache/axis/transport/jms/JMSConstants.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
  jar/org/apache/axis/transport/jms/SimpleJMSListener.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
  jar/org/apache/axis/transport/jms/IMMSListener.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
  jar/org/apache/axis/transport/jms/IMSSender.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/transport/jms/JMSURLHelper.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/jms/TopicConnector.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/jms/MapUtils.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/jms/JMSTransport.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/components/jms/JMSVendorAdapterFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/jms/JMSConnector.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/transport/jms/JMSConnectorFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/components/jms/BeanVendorAdapter.java
No license file was found, but licenses were detected in source scan.

/
* XmlBeanDeserializerFactory.java
 *
* Copyright 2001-2004 The Apache Software Foundation.
 *
* *
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* *
* http://www.apache.org/licenses/LICENSE-2.0
 *
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
 *
 *
* Original author: Jonathan Colwell
*/

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/xbeans/XmlBeanDeserializerFactory.java
No license file was found, but licenses were detected in source scan.

/
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*    http://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/AnyContentType.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/SimpleListDeserializerFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/castor/CastorEnumTypeDeserializer.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/SimpleListSerializer.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/MixedContentType.java

No license file was found, but licenses were detected in source scan.

/***/

* Copyright 1999-2004 The Apache Software Foundation.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*    http://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/types/URI.java

No license file was found, but licenses were detected in source scan.
/*
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *   http://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/BeanDeserializer.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/wsdl/fromJava/Types.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/deployment/wsdd/WSDDJAXRCHandlerInfoChain.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/management/jmx/DeploymentQueryMBean.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/management/jmx/DeploymentAdministratorMBean.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/cache/ClassCache.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2003,2004 The Apache Software Foundation.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *   http://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/management/jmx/DeploymentQueryMBean.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/management/jmx/DeploymentAdministratorMBean.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/management/jmx/DeploymentQuery.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/management/jmx/WSDDServiceWrapper.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/management/jmx/DeploymentAdministrator.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/management/jmx/WSDDTransportWrapper.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 1999,2004 The Apache Software Foundation.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/Base64.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002,2004 The Apache Software Foundation.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/encoding/ser/castor/CastorEnumTypeSerializerFactory.java
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-jar/org/apache/axis/utils/Base64.java

No license file was found, but licenses were detected in source scan.

/*
 * XmlBeanSerializerFactory.java
 *
 * Copyright 2001-2004 The Apache Software Foundation.
 * *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * *
 * http://www.apache.org/licenses/LICENSE-2.0
 * *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 *
 * Original author: Jonathan Colwell
 */

Found in path(s):
* /opt/cola/permits/1000875434_1607069168.03/0/axis-1-3-sources-
jar/org/apache/axis/encoding/ser/xbeans/XmlBeanSerializerFactory.java
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.
The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>
This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.
Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Apache Commons Net
Copyright 2001-2012 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

1.478 perl-http-negotiate 6.01-19.el8

1.478.1 Available under license :
No license file was found, but licenses were detected in source scan.

=head1 NAME

HTTP::Negotiate - choose a variant to serve

=head1 SYNOPSIS

use HTTP::Negotiate qw(choose);

# ID QS Content-Type Encoding Char-Set Lang Size
$variants = [
    ['var1', 1.000, 'text/html', undef, 'iso-8859-1', 'en', 3000],
    ['var2', 0.950, 'text/plain', 'gzip', 'us-ascii', 'no', 400],
    ['var3', 0.3, 'image/gif', undef, undef, undef, 43555],
];

@preferred = choose($variants, $request_headers);
$the_one   = choose($variants);

=head1 DESCRIPTION

This module provides a complete implementation of the HTTP content
negotiation algorithm specified in F<draft-ietf-http-v11-spec-00.ps>
chapter 12. Content negotiation allows for the selection of a preferred content representation based upon attributes of the negotiable variants and the value of the various Accept* header fields in the request.

The variants are ordered by preference by calling the function choose().

The first parameter is reference to an array of the variants to choose among. Each element in this array is an array with the values [$id, $qs, $content_type, $content_encoding, $charset, $content_language, $content_length] whose meanings are described below. The $content_encoding and $content_language can be either a single scalar value or an array reference if there are several values.

The second optional parameter is either a HTTP::Headers or a HTTP::Request object which is searched for "Accept*" headers. If this parameter is missing, then the accept specification is initialized from the CGI environment variables HTTP_ACCEPT, HTTP_ACCEPT_CHARSET, HTTP_ACCEPT_ENCODING and HTTP_ACCEPT_LANGUAGE.

In an array context, choose() returns a list of [variant identifier, calculated quality, size] tuples. The values are sorted by quality, highest quality first. If the calculated quality is the same for two variants, then they are sorted by size (smallest first). For example:

```perl
(['var1', 1, 2000], ['var2', 0.3, 512], ['var3', 0.3, 1024]);
```

Note that also zero quality variants are included in the return list even if these should never be served to the client.

In a scalar context, it returns the identifier of the variant with the highest score or undef if none have non-zero quality.

If the $HTTP::Negotiate::DEBUG variable is set to TRUE, then a lot of noise is generated on STDOUT during evaluation of choose().

=head1 VARIANTS

A variant is described by a list of the following values. If the attribute does not make sense or is unknown for a variant, then use undef instead.

=over 3

=item identifier
This is a string that you use as the name for the variant. This identifier for the preferred variants returned by choose().

=item qs

This is a number between 0.000 and 1.000 that describes the "source quality". This is what F<draft-ietf-http-v11-spec-00.ps> says about this value:

Source quality is measured by the content provider as representing the amount of degradation from the original source. For example, a picture in JPEG form would have a lower qs when translated to the XBM format, and much lower qs when translated to an ASCII-art representation. Note, however, that this is a function of the source - an original piece of ASCII-art may degrade in quality if it is captured in JPEG form. The qs values should be assigned to each variant by the content provider; if no qs value has been assigned, the default is generally "qs=1".

=item content-type

This is the media type of the variant. The media type does not include a charset attribute, but might contain other parameters. Examples are:

- text/html
- text/html;version=2.0
- text/plain
- image/gif
- image/jpg

=item content-encoding

This is one or more content encodings that has been applied to the variant. The content encoding is generally used as a modifier to the content media type. The most common content encodings are:

- gzip
- compress

=item content-charset

This is the character set used when the variant contains text. The charset value should generally be C<undef> or one of these:

- us-ascii
- iso-8859-1 ...
- iso-8859-9
- iso-2022-jp
This describes one or more languages that are used in the variant. Language is described like this in F<draft-ietf-http-v11-spec-00.ps>: A language is in this context a natural language spoken, written, or otherwise conveyed by human beings for communication of information to other human beings. Computer languages are explicitly excluded.

The language tags are defined by RFC 3066. Examples are:

no               Norwegian
en               International English
en-US            US English
en-cockney

This is the number of bytes used to represent the content.

The following Accept* headers can be used for describing content preferences in a request (This description is an edited extract from F<draft-ietf-http-v11-spec-00.ps>):

This header can be used to indicate a list of media ranges which are acceptable as a response to the request. The "*" character is used to group media types into ranges, with "*/" indicating all media types and "type/*" indicating all subtypes of that type.

The parameter q is used to indicate the quality factor, which represents the user's preference for that range of media types. The parameter mbx gives the maximum acceptable size of the response content. The default values are: q=1 and mbx=infinity. If no Accept header is present, then the client accepts all media types with q=1.
For example:

```
Accept: audio/*;q=0.2;mbx=200000, audio/basic
```

would mean: "I prefer audio/basic (of any size), but send me any audio type if it is the best available after an 80% mark-down in quality and its size is less than 200000 bytes"

=item Accept-Charset

Used to indicate what character sets are acceptable for the response. The "us-ascii" character set is assumed to be acceptable for all user agents. If no Accept-Charset field is given, the default is that any charset is acceptable. Example:

```
Accept-Charset: iso-8859-1, unicode-1-1
```

=item Accept-Encoding

Restricts the Content-Encoding values which are acceptable in the response. If no Accept-Encoding field is present, the server may assume that the client will accept any content encoding. An empty Accept-Encoding means that no content encoding is acceptable. Example:

```
Accept-Encoding: compress, gzip
```

=item Accept-Language

This field is similar to Accept, but restricts the set of natural languages that are preferred in a response. Each language may be given an associated quality value which represents an estimate of the user's comprehension of that language. For example:

```
Accept-Language: no, en-gb;q=0.8, de;q=0.55
```

would mean: "I prefer Norwegian, but will accept British English (with 80% comprehension) or German (with 55% comprehension)."

=back

=head1 COPYRIGHT

Copyright 1996,2001 Gisle Aas.
This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 AUTHOR

Gisle Aas <gisle@aas.no>

=cut

Found in path(s):
* /opt/cola/permits/1137994207_1614192764.99/0/perl-HTTP-Negotiate-6.01-19.el8-1.src.rpm-cosi-expand-archive-EIJNQ74v/HTTP-Negotiate-6.01.tar.gz-cosi-expand-archive-wj2LtAlY/HTTP-Negotiate-6.01/lib/HTTP/Negotiate.pm

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/cola/permits/1137994207_1614192764.99/0/perl-HTTP-Negotiate-6.01-19.el8-1.src.rpm-cosi-expand-archive-EIJNQ74v/perl-HTTP-Negotiate.spec

No license file was found, but licenses were detected in source scan.

license: perl

Found in path(s):
* /opt/cola/permits/1137994207_1614192764.99/0/perl-HTTP-Negotiate-6.01-19.el8-1.src.rpm-cosi-expand-archive-EIJNQ74v/HTTP-Negotiate-6.01.tar.gz-cosi-expand-archive-wj2LtAlY/HTTP-Negotiate-6.01/META.yml

No license file was found, but licenses were detected in source scan.

NAME

HTTP::Negotiate - choose a variant to serve

SYNOPSIS

use HTTP::Negotiate qw(choose);

# ID   QS   Content-Type  Encoding Char-Set        Lang   Size
$variants =
[[\'var1\', 1.000, \'text/html\', undef, \'iso-8859-1\', \'en\', 3000],
 [\'var2\', 0.950, \'text/plain\', \'gzip\', \'us-ascii\', \'no\', 400],
 [\'var3\', 0.3, \'image/gif\', undef, undef, undef, 43555], ];

@preferred = choose($variants, $request_headers);
$the_one = choose($variants);

DESCRIPTION

This module provides a complete implementation of the HTTP content...
negotiation algorithm specified in draft-ietf-http-v11-spec-00.ps
chapter 12. Content negotiation allows for the selection of a preferred
content representation based upon attributes of the negotiable variants
and the value of the various Accept* header fields in the request.

The variants are ordered by preference by calling the function choose().

The first parameter is reference to an array of the variants to choose
among. Each element in this array is an array with the values [$id, $qs,
$content_type, $content_encoding, $charset, $content_language,
$content_length] whose meanings are described below. The
$content_encoding and $content_language can be either a single scalar
value or an array reference if there are several values.

The second optional parameter is either a HTTP::Headers or a
HTTP::Request object which is searched for "Accept*" headers. If this
parameter is missing, then the accept specification is initialized from
the CGI environment variables HTTP_ACCEPT, HTTP_ACCEPT_CHARSET,
HTTP_ACCEPT_ENCODING and HTTP_ACCEPT_LANGUAGE.

In an array context, choose() returns a list of [variant identifier,
calculated quality, size] tuples. The values are sorted by quality,
highest quality first. If the calculated quality is the same for two
variants, then they are sorted by size (smallest first). *E.g.*:

([‘var1’, 1, 2000], [‘var2’, 0.3, 512], [‘var3’, 0.3, 1024]);

Note that also zero quality variants are included in the return list
even if these should never be served to the client.

In a scalar context, it returns the identifier of the variant with the
highest score or `undef' if none have non-zero quality.

If the SHTTP::Negotiate::DEBUG variable is set to TRUE, then a lot of
noise is generated on STDOUT during evaluation of choose().

VARIANTS
A variant is described by a list of the following values. If the
attribute does not make sense or is unknown for a variant, then use
`undef' instead.

identifier
This is a string that you use as the name for the variant. This
identifier for the preferred variants returned by choose().

qs This is a number between 0.000 and 1.000 that describes the "source
quality". This is what draft-ietf-http-v11-spec-00.ps says about this
value:
Source quality is measured by the content provider as representing the amount of degradation from the original source. For example, a picture in JPEG form would have a lower qs when translated to the XBM format, and much lower qs when translated to an ASCII-art representation. Note, however, that this is a function of the source - an original piece of ASCII-art may degrade in quality if it is captured in JPEG form. The qs values should be assigned to each variant by the content provider; if no qs value has been assigned, the default is generally "qs=1".

content-type
This is the media type of the variant. The media type does not include a charset attribute, but might contain other parameters. Examples are:

- text/html
- text/html;version=2.0
- text/plain
- image/gif
- image/jpg

content-encoding
This is one or more content encodings that has been applied to the variant. The content encoding is generally used as a modifier to the content media type. The most common content encodings are:

- gzip
- compress

content-charset
This is the character set used when the variant contains text. The charset value should generally be 'undef' or one of these:

- us-ascii
- iso-8859-1 ... iso-8859-9
- iso-2022-jp
- iso-2022-jp-2
- iso-2022-kr
- unicode-1-1
- unicode-1-1-utf-7
- unicode-1-1-utf-8

content-language
This describes one or more languages that are used in the variant. Language is described like this in draft-ietf-http-v11-spec-00.ps: A language is in this context a natural language spoken, written, or otherwise conveyed by human beings for communication of information
to other human beings. Computer languages are explicitly excluded.

The language tags are defined by RFC 3066. Examples are:

- no   Norwegian
- en   International English
- en-US US English
- en-cockney

content-length
This is the number of bytes used to represent the content.

ACCEPT HEADERS
The following Accept* headers can be used for describing content preferences in a request (This description is an edited extract from draft-ietf-http-v11-spec-00.ps):

Accept
This header can be used to indicate a list of media ranges which are acceptable as a response to the request. The "*" character is used to group media types into ranges, with "*/*" indicating all media types and "type/*" indicating all subtypes of that type.

The parameter q is used to indicate the quality factor, which represents the user's preference for that range of media types. The parameter mbx gives the maximum acceptable size of the response content. The default values are: q=1 and mbx=Infinity. If no Accept header is present, then the client accepts all media types with q=1.

For example:

Accept: audio/*;q=0.2;mbx=200000, audio/basic

would mean: "I prefer audio/basic (of any size), but send me any audio type if it is the best available after an 80% mark-down in quality and its size is less than 200000 bytes"

Accept-Charset
Used to indicate what character sets are acceptable for the response. The "us-ascii" character set is assumed to be acceptable for all user agents. If no Accept-Charset field is given, the default is that any charset is acceptable. Example:

Accept-Charset: iso-8859-1, unicode-1-1

Accept-Encoding
Restricts the Content-Encoding values which are acceptable in the response. If no Accept-Encoding field is present, the server may
assume that the client will accept any content encoding. An empty Accept-Encoding means that no content encoding is acceptable.
Example:

Accept-Encoding: compress, gzip

Accept-Language
This field is similar to Accept, but restricts the set of natural languages that are preferred in a response. Each language may be given an associated quality value which represents an estimate of the user's comprehension of that language. For example:

Accept-Language: no, en-gb;q=0.8, de;q=0.55

would mean: "I prefer Norwegian, but will accept British English (with 80% comprehension) or German (with 55% comprehension).

COPYRIGHT
Copyright 1996,2001 Gisle Aas.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

AUTHOR
Gisle Aas <gisle@aas.no>

Found in path(s):
* /opt/cola/permits/1137994207_1614192764.99/0/perl-HTTP-Negotiate-6.01-19.el8-1.src.rpm-cosi-expand-archive-EIJNQ74v/HTTP-Negotiate-6.01.tar.gz-cosi-expand-archive-wj2LtAlY/HTTP-Negotiate-6.01/README

1.479 activemq 5.15.14
1.479.1 Available under license :

ActiveMQ :: Client
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
 implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTicular PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License.

Copyright (c) 2007-2010, The JASYPT team (http://www.jasypt.org)

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

This distribution includes cryptographic software. The country in which you currently reside may have restrictions on the import, possession, use, and/or re-export to another country, of encryption software. BEFORE using any encryption software, please check your country's laws, regulations and policies concerning the import, possession, or use, and re-export of encryption software, to see if this is permitted. See http://www.wassenaar.org/ for more information.

The U.S. Government Department of Commerce, Bureau of Industry and Security (BIS), has classified this software as Export Commodity Control Number (ECCN) 5D002.C.1, which includes information security software using or performing cryptographic functions with asymmetric algorithms. The form and manner of this distribution makes it eligible for export under the License Exception ENC Technology Software Unrestricted (TSU) exception (see the BIS Export Administration Regulations, Section 740.13) for both object code and source code.

The following provides more details on the cryptographic software used (note that this software is not included in the distribution):

* The PBE Encryption facilities require the Java Cryptography extensions: http://java.sun.com/javase/technologies/security/.
Distributions of this software may include software developed by The Apache Software Foundation (http://www.apache.org/).

-----------------------------

ICU License - ICU 1.8.1 and later

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2006 International Business Machines Corporation and others

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.
1.480 jetty-alpn-server 9.4.11.v20180605

1.481 commons-net 3.5

1.481.1 Available under license:

Apache Commons Net
Copyright 2001-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.
"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.
To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.482 httpcomponents-mime 4.2
1.482.1 Available under license :
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or loss), even if such Contributor has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

This project contains annotations derived from JCIP-ANNOTATIONS
Copyright (c) 2005 Brian Goetz and Tim Peierls.
See http://www.jcip.net and the Creative Commons Attribution License
(http://creativecommons.org/licenses/by/2.5)
Apache HttpComponents HttpMime
Copyright 1999-2012 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

1.483 rpm 4.14.2 25.el8
1.483.1 Available under license :
RPM is covered under two separate licenses.

The entire code base may be distributed under the terms of the GNU General Public License (GPL), which appears immediately below. Alternatively, all of the source code in the lib subdirectory of the RPM source code distribution as well as any code derived from that code may instead be distributed under the GNU Library General Public License (LGPL), at the choice of the distributor. The complete text of the LGPL appears at the bottom of this file.

This alternative is provided to enable applications to be linked against the RPM library (commonly called librpm) without forcing such applications to be distributed under the GPL.

Any questions regarding the licensing of RPM should be addressed to rpm-maint@lists.rpm.org

-------------------------------------------------------------------

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone’s free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that
whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 2 of the License, or  
(at your option) any later version.

This program is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.

You should have received a copy of the GNU General Public License  
along with this program; if not, write to the Free Software  
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this  
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) 19yy name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it  
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate  
parts of the General Public License. Of course, the commands you use may  
be called something other than `show w' and `show c'; they could even be  
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your  
school, if any, to sign a "copyright disclaimer" for the program, if  
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
`Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989  
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into  
proprietary programs. If your program is a subroutine library, you may  
consider it more useful to permit linking proprietary applications with the  
library. If this is what you want to do, use the GNU Library General
GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright

Open Source Used In CSPC_Collector 2.9.1 4836
Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Library General Public License for more details.

You should have received a copy of the GNU Library General Public
License along with this library; if not, write to the Free
Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library "Frob" (a library for tweaking knobs) written by James Random Hacker.
That's all there is to it!

1.484 perl-crypt-ssleay 0.73_07-1.gf.el8

1.484.1 Available under license:

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.
1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:
   
a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:
   
a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this
Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called "undump" or "unexec" methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.

7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package's interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End
1.485 perl-module-pluggable 5.2-7.el8

1.485.1 Available under license:

No license file was found, but licenses were detected in source scan.

---
abstract: 'automatically give your module the ability to have plugins'
author:
    - 'Simon Wistow <simon@thegestalt.org>'
build_requires:
    Cwd: '0'
    Data::Dumper: '0'
    ExtUtils::MakeMaker: '0'
    File::Copy: '0'
    File::Find: '0'
    File::Path: '0'
    File::Spec::Functions: '0'
    File::Temp: '0'
    FindBin: '0'
    Test::More: '0'
    base: '0'
    strict: '0'
    warnings: '0'
configure_requires:
    ExtUtils::MakeMaker: '0'
dynamic_config: 0
generated_by: 'ExtUtils::MakeMaker version 7.04, CPAN::Meta::Converter version 2.150005'
license: perl
meta-spec:
    url: http://module-build.sourceforge.net/META-spec-v1.4.html
    version: '1.4'
name: Module-Pluggable
no_index:
    directory:
        - t
        - inc
optional_features:
    module_runtime:
        description: 'Optionally use Module::Runtime for requiring plugins rather than homegrown system'
        requires:
            Module::Runtime: '0.012'
recommends:
    Module::Runtime: '0.012'
requires:
    Exporter: '5.57'
    File::Basename: '0'
    File::Find: '0'
=pod

=head1 NAME

Module::Pluggable - automatically give your module the ability to have plugins

=head1 SYNOPSIS

Simple use Module::Pluggable -

    package MyClass;
    use Module::Pluggable;

and then later ...

    use MyClass;
    my $mc = MyClass->new();
    # returns the names of all plugins installed under MyClass::Plugin::*
    my @plugins = $mc->plugins();

=head1 EXAMPLE

Why would you want to do this? Say you have something that wants to pass an
object to a number of different plugins in turn. For example you may
want to extract meta-data from every email you get sent and do something
with it. Plugins make sense here because then you can keep adding new
meta data parsers and all the logic and docs for each one will be
self contained and new handlers are easy to add without changing the
core code. For that, you might do something like ...
package Email::Examiner;

use strict;
use Email::Simple;
use Module::Pluggable require => 1;

sub handle_email {
    my $self = shift;
    my $email = shift;

    foreach my $plugin ($self->plugins) {
        $plugin->examine($email);
    }

    return 1;
}

.. and all the plugins will get a chance in turn to look at it.

This can be trivially extended so that plugins could save the email somewhere and then no other plugin should try and do that. Simply have it so that the `examine` method returns `1` if it has saved the email somewhere. You might also want to be paranoid and check to see if the plugin has an `examine` method.

    foreach my $plugin ($self->plugins) {
        next unless $plugin->can('examine');
        last if     $plugin->examine($email);
    }

And so on. The sky's the limit.

=head1 DESCRIPTION

Provides a simple but, hopefully, extensible way of having 'plugins' for your module. Obviously this isn't going to be the be all and end all of solutions but it works for me.

Essentially all it does is export a method into your namespace that looks through a search path for .pm files and turn those into class names.

Optionally it instantiates those classes for you.

=head1 ADVANCED USAGE
Alternatively, if you don't want to use 'plugins' as the method ...

    package MyClass;
    use Module::Pluggable sub_name => 'foo';

and then later ...

    my @plugins = $mc->foo();

Or if you want to look in another namespace

    package MyClass;
    use Module::Pluggable search_path => ['Acme::MyClass::Plugin', 'MyClass::Extend'];

or directory

    use Module::Pluggable search_dirs => ['mylibs/Foo'];

Or if you want to instantiate each plugin rather than just return the name

    package MyClass;
    use Module::Pluggable instantiate => 'new';

and then

    # whatever is passed to 'plugins' will be passed
    # to 'new' for each plugin
    my @plugins = $mc->plugins(@options);

alternatively you can just require the module without instantiating it

    package MyClass;
    use Module::Pluggable require => 1;

since requiring automatically searches inner packages, which may not be desirable, you can turn this off

    package MyClass;
    use Module::Pluggable require => 1, inner => 0;

You can limit the plugins loaded using the except option, either as a string, array ref or regex
package MyClass;
use Module::Pluggable except => 'MyClass::Plugin::Foo';

or

package MyClass;
use Module::Pluggable except => ['MyClass::Plugin::Foo', 'MyClass::Plugin::Bar'];

or

package MyClass;
use Module::Pluggable except => qr/^MyClass::Plugin::(Foo|Bar)$/;

and similarly for only which will only load plugins which match.

Remember you can use the module more than once

package MyClass;
use Module::Pluggable search_path => 'MyClass::Filters' sub_name => 'filters';
use Module::Pluggable search_path => 'MyClass::Plugins' sub_name => 'plugins';

and then later ...

my @filters = $self->filters;
my @plugins = $self->plugins;

=head1 PLUGIN SEARCHING

Every time you call 'plugins' the whole search path is walked again. This allows for dynamically loading plugins even at run time. However this can get expensive and so if you don't expect to want to add new plugins at run time you could do

package Foo;
use strict;
use Module::Pluggable sub_name => '_plugins';

our @PLUGINS;
sub plugins { @PLUGINS ||= shift->_plugins } 1;

=head1 INNER PACKAGES

If you have, for example, a file B<lib/Something/Plugin/Foo.pm> that contains package definitions for both C<Something::Plugin::Foo> and C<Something::Plugin::Bar> then as long as you either have either
the \texttt{require} or \texttt{instantiate} option set then we'll also find
\texttt{Something::Plugin::Bar}. Nifty!

\section*{OPTIONS}

You can pass a hash of options when importing this module.

The options can be ...

\subsection*{sub_name}

The name of the subroutine to create in your namespace.

By default this is 'plugins'

\subsection*{search_path}

An array ref of namespaces to look in.

\subsection*{search_dirs}

An array ref of directories to look in before \texttt{@INC}.

\subsection*{instantiate}

Call this method on the class. In general this will probably be 'new'
but it can be whatever you want. Whatever arguments are passed to 'plugins'
will be passed to the method.

The default is 'undef' i.e just return the class name.

\subsection*{require}

Just require the class, don't instantiate (overrides 'instantiate');

\subsection*{inner}

If set to 0 will \texttt{not} search inner packages.
If set to 1 will override \texttt{require}.

\subsection*{only}

Takes a string, array ref or regex describing the names of the only plugins to
return. Whilst this may seem perverse ... well, it is. But it also
makes sense. Trust me.

\subsection*{except}
Similar to C<only> it takes a description of plugins to exclude from returning. This is slightly less perverse.

=head2 package

This is for use by extension modules which build on C<Module::Pluggable>: passing a C<package> option allows you to place the plugin method in a different package other than your own.

=head2 file_regex

By default C<Module::Pluggable> only looks for I<.pm> files.

By supplying a new C<file_regex> then you can change this behaviour e.g

 file_regex => qr/\.plugin$/

=head2 include_editor_junk

By default C<Module::Pluggable> ignores files that look like they were left behind by editors. Currently this means files ending in F<~> (~), the extensions F<.swp> or F<swo>, or files beginning with F<.#>.

Setting C<include_editor_junk> changes C<Module::Pluggable> so it does not ignore any files it finds.

=head2 follow_symlinks

Whether, when searching directories, to follow symlinks.

Defaults to 1 i.e do follow symlinks.

=head2 min_depth, max_depth

This will allow you to set what 'depth' of plugin will be allowed.

So, for example, C<MyClass::Plugin::Foo> will have a depth of 3 and C<MyClass::Plugin::Foo::Bar> will have a depth of 4 so to only get the former (i.e C<MyClass::Plugin::Foo>) do

    package MyClass;
    use Module::Pluggable max_depth => 3;

and to only get the latter (i.e C<MyClass::Plugin::Foo::Bar>)

    package MyClass;
    use Module::Pluggable min_depth => 4;
TRIGGERS

Various triggers can also be passed in to the options.

If any of these triggers return 0 then the plugin will not be returned.

before_require <plugin>

Gets passed the plugin name.

If 0 is returned then this plugin will not be required either.

on_require_error <plugin> <err>

Gets called when there's an error on requiring the plugin.

Gets passed the plugin name and the error.

The default on_require_error handler is to carp the error and return 0.

on_instantiate_error <plugin> <err>

Gets called when there's an error on instantiating the plugin.

Gets passed the plugin name and the error.

The default on_instantiate_error handler is to carp the error and return 0.

after_require <plugin>

Gets passed the plugin name.

If 0 is returned then this plugin will be required but not returned as a plugin.

METHODs

search_path

The method search_path is exported into you namespace as well.
You can call that at any time to change or replace the search_path.

$self->search_path( add => "New::Path" ); # add
$self->search_path( new => "New::Path" ); # replace

BEHAVIOUR UNDER TEST ENVIRONMENT
In order to make testing reliable we exclude anything not from blib if blib.pm is in %INC.

However if the module being tested used another module that itself used C<Module::Pluggable> then the second module would fail. This was fixed by checking to see if the caller had (^/|/)blib/ in their filename.

There's an argument that this is the wrong behaviour and that modules should explicitly trigger this behaviour but that particular code has been around for 7 years now and I'm reluctant to change the default behaviour.

You can now (as of version 4.1) force Module::Pluggable to look outside blib in a test environment by doing either

        require Module::Pluggable;
        $Module::Pluggable::FORCE_SEARCH_ALL_PATHS = 1;
        import Module::Pluggable;

or

        use Module::Pluggable force_search_all_paths => 1;

=head1 @INC hooks and App::FatPacker

If a module's @INC has a hook and that hook is an object which has a C<files()> method then we will try and require those files too. See C<t/26inc_hook.t> for an example.

This has allowed L<App::FatPacker> (as of version 0.10.0) to provide support for Module::Pluggable.

This should also, theoretically, allow someone to modify PAR to do the same thing.

=head1 Module::Require recommended

Up until version 5.2 L<Module::Pluggable> used a string C<eval> to require plugins.

This has now been changed to optionally use L<Module::Runtime> and it's C<require_module> method when available and fall back to using a path based C<require> when not.

It's recommended, but not required, that you install Module::Runtime.

=head1 FUTURE PLANS

This does everything I need and I can't really think of any other features I want to add. Famous last words of course (not least because we're up to version 5.0 at the time of writing).

However suggestions (and patches) are always welcome.

=head1 DEVELOPMENT
The master repo for this module is at

https://github.com/simonwistow/Module-Pluggable

=head1 AUTHOR

Simon Wistow <simon@thegestalt.org>

=head1 COPYING

Copyright, 2006 Simon Wistow

Distributed under the same terms as Perl itself.

=head1 BUGS

None known.

=head1 SEE ALSO

L<File::Spec>, L<File::Find>, L<File::Basename>, L<Class::Factory::Util>, L<Module::Pluggable::Ordered>

=cut

Found in path(s):
* /opt/cola/permits/1137993819_1614192614.11/0/perl-Module-Pluggable-5.2-7.el8-1.src.rpm-cosi-expand-archive-Cs8QmRFU/Module-Pluggable-5.2.tar.gz-cosi-expand-archive-K336JuH6/Module-Pluggable-5.2/lib/Module/Pluggable.pm

No license file was found, but licenses were detected in source scan.

=head1 AUTHOR

Simon Wistow <simon@thegestalt.org>

=head1 COPYING

Copyright, 2005 Simon Wistow

Distributed under the same terms as Perl itself.

=head1 BUGS

None known.

=cut

Found in path(s):

---
No license file was found, but licenses were detected in source scan.

=head1 NAME

Module::Pluggable::Object - automatically give your module the ability to have plugins

=head1 SYNOPSIS

Simple use Module::Pluggable -

```perl
package MyClass;
use Module::Pluggable::Object;

my $finder = Module::Pluggable::Object->new(%opts);
print "My plugins are: " . join(" ", $finder->plugins)."\n";
```

=head1 DESCRIPTION

Provides a simple but, hopefully, extensible way of having 'plugins' for your module. Obviously this isn't going to be the be all and end all of solutions but it works for me.

Essentially all it does is export a method into your namespace that looks through a search path for .pm files and turn those into class names.

Optionally it instantiates those classes for you.

This object is wrapped by C< Module::Pluggable >. If you want to do something odd or add non-general special features you're probably best to wrap this and produce your own subclass.

=head1 OPTIONS

See the C< Module::Pluggable > docs.

=head1 AUTHOR

Simon Wistow <simon@thegestalt.org>

=head1 COPYING

Copyright, 2006 Simon Wistow
Distributed under the same terms as Perl itself.

=head1 BUGS

None known.

=head1 SEE ALSO

L<Module::Pluggable>

=cut

Found in path(s):
* /opt/cola/permits/1137993819_1614192614.11/0/perl-Module-Pluggable-5.2-7.el8-1.src.rpm-cosi-expand-archive-Cs8QmRFU/Module-Pluggable-5.2.tar.gz-cosi-expand-archive-K336JuH6/Module-Pluggable-5.2/lib/Module/Pluggable/Object.pm

No license file was found, but licenses were detected in source scan.

NAME
Module::Pluggable - automatically give your module the ability to have plugins

SYNOPSIS
Simple use Module::Pluggable -

    package MyClass;
    use Module::Pluggable;

and then later ...

    use MyClass;
    my $mc = MyClass->new();
    # returns the names of all plugins installed under MyClass::Plugin::*
    my @plugins = $mc->plugins();

EXAMPLE
Why would you want to do this? Say you have something that wants to pass an object to a number of different plugins in turn. For example you may want to extract meta-data from every email you get sent and do something with it. Plugins make sense here because then you can keep adding new meta data parsers and all the logic and docs for each one will be self contained and new handlers are easy to add without changing the core code. For that, you might do something like ...

    package Email::Examiner;

    use strict;
use Email::Simple;
use Module::Pluggable require => 1;

sub handle_email {
    my $self = shift;
    my $email = shift;

    foreach my $plugin ($self->plugins) {
        $plugin->examine($email);
    }

    return 1;
}

.. and all the plugins will get a chance in turn to look at it.

This can be trivally extended so that plugins could save the email somewhere and then no other plugin should try and do that. Simply have it so that the "examine" method returns 1 if it has saved the email somewhere. You might also want to be paranoid and check to see if the plugin has an "examine" method.

    foreach my $plugin ($self->plugins) {
        next unless $plugin->can('examine');
        last if $plugin->examine($email);
    }

And so on. The sky's the limit.

DESCRIPTION
Provides a simple but, hopefully, extensible way of having 'plugins' for your module. Obviously this isn't going to be the be all and end all of solutions but it works for me.

Essentially all it does is export a method into your namespace that looks through a search path for .pm files and turn those into class names.

Optionally it instantiates those classes for you.

ADVANCED USAGE
Alternatively, if you don't want to use 'plugins' as the method ...

    package MyClass;
    use Module::Pluggable sub_name => 'foo';

and then later ...
my @plugins = $mc->foo();

Or if you want to look in another namespace

    package MyClass;
    use Module::Pluggable search_path => ['Acme::MyClass::Plugin', 'MyClass::Extend'];

or directory

    use Module::Pluggable search_dirs => ['mylibs/Foo'];

Or if you want to instantiate each plugin rather than just return the name

    package MyClass;
    use Module::Pluggable instantiate => 'new';

and then

    # whatever is passed to 'plugins' will be passed
    # to 'new' for each plugin
    my @plugins = $mc->plugins(@options);

alternatively you can just require the module without instantiating it

    package MyClass;
    use Module::Pluggable require => 1;

since requiring automatically searches inner packages, which may not be desirable, you can turn this off

    package MyClass;
    use Module::Pluggable require => 1, inner => 0;

You can limit the plugins loaded using the except option, either as a string, array ref or regex

    package MyClass;
    use Module::Pluggable except => 'MyClass::Plugin::Foo';

or

    package MyClass;
    use Module::Pluggable except => ['MyClass::Plugin::Foo', 'MyClass::Plugin::Bar'];

or

    package MyClass;
use Module::Pluggable except => qr/^MyClass::Plugin::(Foo|Bar)$/;

and similarly for only which will only load plugins which match.

Remember you can use the module more than once

package MyClass;
use Module::Pluggable search_path => 'MyClass::Filters' sub_name => 'filters';
use Module::Pluggable search_path => 'MyClass::Plugins' sub_name => 'plugins';

and then later ...

my @filters = $self->filters;
my @plugins = $self->plugins;

PLUGIN SEARCHING
Every time you call 'plugins' the whole search path is walked again.
This allows for dynamically loading plugins even at run time. However
this can get expensive and so if you don't expect to want to add new
plugins at run time you could do

package Foo;
use strict;
use Module::Pluggable sub_name => '_plugins';

our @PLUGINS;
sub plugins { @PLUGINS ||= shift->_plugins }
1;

INNER PACKAGES
If you have, for example, a file lib/Something/Plugin/Foo.pm that
contains package definitions for both "Something::Plugin::Foo" and
"Something::Plugin::Bar" then as long as you either have either the
require or instantiate option set then we'll also find
"Something::Plugin::Bar". Nifty!

OPTIONS
You can pass a hash of options when importing this module.

The options can be ...

sub_name
The name of the subroutine to create in your namespace.

By default this is 'plugins'

search_path
An array ref of namespaces to look in.
search_dirs
An array ref of directorys to look in before @INC.

instantiate
Call this method on the class. In general this will probably be 'new'
but it can be whatever you want. Whatever arguments are passed to
'plugins' will be passed to the method.

The default is 'undef' i.e just return the class name.

require
Just require the class, don't instantiate (overrides 'instantiate');

inner
If set to 0 will not search inner packages. If set to 1 will override
"require".

only
Takes a string, array ref or regex describing the names of the only
plugins to return. Whilst this may seem perverse ... well, it is. But it
also makes sense. Trust me.

except
Similar to "only" it takes a description of plugins to exclude from
returning. This is slightly less perverse.

package
This is for use by extension modules which build on "Module::Pluggable":
passing a "package" option allows you to place the plugin method in a
different package other than your own.

file_regex
By default "Module::Pluggable" only looks for *.pm* files.

By supplying a new "file_regex" then you can change this behaviour e.g

    file_regex => qr/\./plugin$/

include_editor_junk
By default "Module::Pluggable" ignores files that look like they were
left behind by editors. Currently this means files ending in ~ (~), the
extensions .swp or .swo, or files beginning with #.

Setting "include_editor_junk" changes "Module::Pluggable" so it does not
ignore any files it finds.

follow_symlinks
Whether, when searching directories, to follow symlinks.

Defaults to 1 i.e do follow symlinks.

min_depth, max_depth
This will allow you to set what 'depth' of plugin will be allowed.

So, for example, "MyClass::Plugin::Foo" will have a depth of 3 and
"MyClass::Plugin::Foo::Bar" will have a depth of 4 so to only get the
former (i.e "MyClass::Plugin::Foo") do

    package MyClass;
    use Module::Pluggable max_depth => 3;

and to only get the latter (i.e "MyClass::Plugin::Foo::Bar")

    package MyClass;
    use Module::Pluggable min_depth => 4;

TRIGGERS
Various triggers can also be passed in to the options.

If any of these triggers return 0 then the plugin will not be returned.

before_require <plugin>
Gets passed the plugin name.

If 0 is returned then this plugin will not be required either.

on_require_error <plugin> <err>
Gets called when there's an error on requiring the plugin.

Gets passed the plugin name and the error.

The default on_require_error handler is to "carp" the error and return
0.

on_instantiate_error <plugin> <err>
Gets called when there's an error on instantiating the plugin.

Gets passed the plugin name and the error.

The default on_instantiate_error handler is to "carp" the error and return
0.

after_require <plugin>
Gets passed the plugin name.
If 0 is returned then this plugin will be required but not returned as a plugin.

METHODs
search_path
The method "search_path" is exported into you namespace as well. You can call that at any time to change or replace the search_path.

$self->search_path( add => "New::Path" ); # add
$self->search_path( new => "New::Path" ); # replace

BEHAVIOIR UNDER TEST ENVIRONMENT
In order to make testing reliable we exclude anything not from blib if blib.pm is in %INC.

However if the module being tested used another module that itself used "Module::Pluggable" then the second module would fail. This was fixed by checking to see if the caller had (^/|)blib/ in their filename.

There's an argument that this is the wrong behaviour and that modules should explicitly trigger this behaviour but that particular code has been around for 7 years now and I'm reluctant to change the default behaviour.

You can now (as of version 4.1) force Module::Pluggable to look outside blib in a test environment by doing either

    require Module::Pluggable;
    $Module::Pluggable::FORCE_SEARCH_ALL_PATHS = 1;
    import Module::Pluggable;

or

    use Module::Pluggable force_search_all_paths => 1;

FUTURE PLANS
This does everything I need and I can't really think of any other features I want to add. Famous last words of course

Recently tried fixed to find inner packages and to make it 'just work' with PAR but there are still some issues.

However suggestions (and patches) are welcome.

DEVELOPMENT
The master repo for this module is at

https://github.com/simonwistow/Module-Pluggable
AUTHOR
Simon Wistow <simon@thegestalt.org>

COPYING
Copyright, 2006 Simon Wistow

Distributed under the same terms as Perl itself.

BUGS
None known.

SEE ALSO
File::Spec, File::Find, File::Basename, Class::Factory::Util,
Module::Pluggable::Ordered

Found in path(s):
* /opt/cola/permits/1137993819_1614192614.11/0/perl-Module-Pluggable-5.2-7.el8-1.src.rpm-cosi-expand-archive-
Cs8QmRFU/Module-Pluggable-5.2.tar.gz-cosi-expand-archive-K336JuH6/Module-Pluggable-5.2/README
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/cola/permits/1137993819_1614192614.11/0/perl-Module-Pluggable-5.2-7.el8-1.src.rpm-cosi-expand-archive-
Cs8QmRFU/perl-Module-Pluggable.spec

1.486 perl-storable 3.11 3.el8
1.486.1 Available under license :
The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a
Package may be copied, such that the Copyright Holder maintains some
semblance of artistic control over the development of the package,
while giving the users of the package the right to use and distribute
the Package in a more-or-less customary fashion, plus the right to make
reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the
Copyright Holder, and derivatives of that collection of files
created through textual modification.
"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly
documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called "undump" or "unexec" methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.

7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do
not change the language in any way that would cause it to fail the regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package's interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.487 samba 4.12.3-12.el8.3

1.487.1 Available under license:

Attribution 4.0 International

=======================================================================
Creative Commons Corporation ("Creative Commons") is not a law firm and does not provide legal services or legal advice. Distribution of Creative Commons public licenses does not create a lawyer-client or other relationship. Creative Commons makes its licenses and related information available on an "as-is" basis. Creative Commons gives no warranties regarding its licenses, any material licensed under their terms and conditions, or any related information. Creative Commons disclaims all liability for damages resulting from their use to the fullest extent possible.

Using Creative Commons Public Licenses

Creative Commons public licenses provide a standard set of terms and conditions that creators and other rights holders may use to share original works of authorship and other material subject to copyright and certain other rights specified in the public license below. The following considerations are for informational purposes only, are not exhaustive, and do not form part of our licenses.

Considerations for licensors: Our public licenses are intended for use by those authorized to give the public
permission to use material in ways otherwise restricted by copyright and certain other rights. Our licenses are irrevocable. Licensor should read and understand the terms and conditions of the license they choose before applying it. Licensor should also secure all rights necessary before applying our licenses so that the public can reuse the material as expected. Licensor should clearly mark any material not subject to the license. This includes other CC-licensed material, or material used under an exception or limitation to copyright. More considerations for licensors: wiki.creativecommons.org/Considerations_for_licensors

Considerations for the public: By using one of our public licenses, a licensor grants the public permission to use the licensed material under specified terms and conditions. If the licensor's permission is not necessary for any reason—for example, because of any applicable exception or limitation to copyright—then that use is not regulated by the license. Our licenses grant only permissions under copyright and certain other rights that a licensor has authority to grant. Use of the licensed material may still be restricted for other reasons, including because others have copyright or other rights in the material. A licensor may make special requests, such as asking that all changes be marked or described. Although not required by our licenses, you are encouraged to respect those requests where reasonable. More considerations for the public: wiki.creativecommons.org/Considerations_for_licensees

=======================================================================
Creative Commons Attribution 4.0 International Public License

By exercising the Licensed Rights (defined below), You accept and agree to be bound by the terms and conditions of this Creative Commons Attribution 4.0 International Public License ("Public License"). To the extent this Public License may be interpreted as a contract, You are granted the Licensed Rights in consideration of Your acceptance of these terms and conditions, and the Licensor grants You such rights in consideration of benefits the Licensor receives from making the Licensed Material available under these terms and conditions.

Section 1 -- Definitions.

a. Adapted Material means material subject to Copyright and Similar Rights that is derived from or based upon the Licensed Material and in which the Licensed Material is translated, altered,
arranged, transformed, or otherwise modified in a manner requiring permission under the Copyright and Similar Rights held by the Licensor. For purposes of this Public License, where the Licensed Material is a musical work, performance, or sound recording, Adapted Material is always produced where the Licensed Material is synched in timed relation with a moving image.

b. Adapter's License means the license You apply to Your Copyright and Similar Rights in Your contributions to Adapted Material in accordance with the terms and conditions of this Public License.

c. Copyright and Similar Rights means copyright and/or similar rights closely related to copyright including, without limitation, performance, broadcast, sound recording, and Sui Generis Database Rights, without regard to how the rights are labeled or categorized. For purposes of this Public License, the rights specified in Section 2(b)(1)-(2) are not Copyright and Similar Rights.

d. Effective Technological Measures means those measures that, in the absence of proper authority, may not be circumvented under laws fulfilling obligations under Article 11 of the WIPO Copyright Treaty adopted on December 20, 1996, and/or similar international agreements.

e. Exceptions and Limitations means fair use, fair dealing, and/or any other exception or limitation to Copyright and Similar Rights that applies to Your use of the Licensed Material.

f. Licensed Material means the artistic or literary work, database, or other material to which the Licensor applied this Public License.

g. Licensed Rights means the rights granted to You subject to the terms and conditions of this Public License, which are limited to all Copyright and Similar Rights that apply to Your use of the Licensed Material and that the Licensor has authority to license.

h. Licensor means the individual(s) or entity(ies) granting rights under this Public License.

i. Share means to provide material to the public by any means or process that requires permission under the Licensed Rights, such as reproduction, public display, public performance, distribution, dissemination, communication, or importation, and to make material available to the public including in ways that members of the public may access the material from a place and at a time individually chosen by them.
j. Sui Generis Database Rights means rights other than copyright resulting from Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, as amended and/or succeeded, as well as other essentially equivalent rights anywhere in the world.

k. You means the individual or entity exercising the Licensed Rights under this Public License. Your has a corresponding meaning.

Section 2 -- Scope.

a. License grant.

1. Subject to the terms and conditions of this Public License, the Licensor hereby grants You a worldwide, royalty-free, non-sublicensable, non-exclusive, irrevocable license to exercise the Licensed Rights in the Licensed Material to:

   a. reproduce and Share the Licensed Material, in whole or in part; and

   b. produce, reproduce, and Share Adapted Material.

2. Exceptions and Limitations. For the avoidance of doubt, where Exceptions and Limitations apply to Your use, this Public License does not apply, and You do not need to comply with its terms and conditions.

3. Term. The term of this Public License is specified in Section 6(a).

4. Media and formats; technical modifications allowed. The Licensor authorizes You to exercise the Licensed Rights in all media and formats whether now known or hereafter created, and to make technical modifications necessary to do so. The Licensor waives and/or agrees not to assert any right or authority to forbid You from making technical modifications necessary to exercise the Licensed Rights, including technical modifications necessary to circumvent Effective Technological Measures. For purposes of this Public License, simply making modifications authorized by this Section 2(a) (4) never produces Adapted Material.

5. Downstream recipients.

   a. Offer from the Licensor -- Licensed Material. Every
recipient of the Licensed Material automatically receives an offer from the Licensor to exercise the Licensed Rights under the terms and conditions of this Public License.

b. No downstream restrictions. You may not offer or impose any additional or different terms or conditions on, or apply any Effective Technological Measures to, the Licensed Material if doing so restricts exercise of the Licensed Rights by any recipient of the Licensed Material.

6. No endorsement. Nothing in this Public License constitutes or may be construed as permission to assert or imply that You are, or that Your use of the Licensed Material is, connected with, or sponsored, endorsed, or granted official status by, the Licensor or others designated to receive attribution as provided in Section 3(a)(1)(A)(i).

b. Other rights.

1. Moral rights, such as the right of integrity, are not licensed under this Public License, nor are publicity, privacy, and/or other similar personality rights; however, to the extent possible, the Licensor waives and/or agrees not to assert any such rights held by the Licensor to the limited extent necessary to allow You to exercise the Licensed Rights, but not otherwise.

2. Patent and trademark rights are not licensed under this Public License.

3. To the extent possible, the Licensor waives any right to collect royalties from You for the exercise of the Licensed Rights, whether directly or through a collecting society under any voluntary or waivable statutory or compulsory licensing scheme. In all other cases the Licensor expressly reserves any right to collect such royalties.

Section 3 -- License Conditions.

Your exercise of the Licensed Rights is expressly made subject to the following conditions.

a. Attribution.

1. If You Share the Licensed Material (including in modified
form), You must:

a. retain the following if it is supplied by the Licensor with the Licensed Material:
   i. identification of the creator(s) of the Licensed Material and any others designated to receive attribution, in any reasonable manner requested by the Licensor (including by pseudonym if designated);
   ii. a copyright notice;
   iii. a notice that refers to this Public License;
   iv. a notice that refers to the disclaimer of warranties;
   v. a URI or hyperlink to the Licensed Material to the extent reasonably practicable;

b. indicate if You modified the Licensed Material and retain an indication of any previous modifications; and

c. indicate the Licensed Material is licensed under this Public License, and include the text of, or the URI or hyperlink to, this Public License.

2. You may satisfy the conditions in Section 3(a)(1) in any reasonable manner based on the medium, means, and context in which You Share the Licensed Material. For example, it may be reasonable to satisfy the conditions by providing a URI or hyperlink to a resource that includes the required information.

3. If requested by the Licensor, You must remove any of the information required by Section 3(a)(1)(A) to the extent reasonably practicable.

4. If You Share Adapted Material You produce, the Adapter's License You apply must not prevent recipients of the Adapted Material from complying with this Public License.

Section 4 -- Sui Generis Database Rights.

Where the Licensed Rights include Sui Generis Database Rights that apply to Your use of the Licensed Material:
a. for the avoidance of doubt, Section 2(a)(1) grants You the right to extract, reuse, reproduce, and Share all or a substantial portion of the contents of the database;

b. if You include all or a substantial portion of the database contents in a database in which You have Sui Generis Database Rights, then the database in which You have Sui Generis Database Rights (but not its individual contents) is Adapted Material; and

c. You must comply with the conditions in Section 3(a) if You Share all or a substantial portion of the contents of the database.

For the avoidance of doubt, this Section 4 supplements and does not replace Your obligations under this Public License where the Licensed Rights include other Copyright and Similar Rights.

Section 5 -- Disclaimer of Warranties and Limitation of Liability.

a. UNLESS OTHERWISE SEPARATELY UNDERTAKEN BY THE LICENSOR, TO THE EXTENT POSSIBLE, THE LICENSOR OFFERS THE LICENSED MATERIAL AS-IS AND AS-AVAILABLE, AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE LICENSED MATERIAL, WHETHER EXPRESS, IMPLIED, STATUTORY, OR OTHER. THIS INCLUDES, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OR ABSENCE OF ERRORS, WHETHER OR NOT KNOWN OR DISCOVERABLE. WHERE DISCLAIMERS OF WARRANTIES ARE NOT ALLOWED IN FULL OR IN PART, THIS DISCLAIMER MAY NOT APPLY TO YOU.

b. TO THE EXTENT POSSIBLE, IN NO EVENT WILL THE LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY (INCLUDING, WITHOUT LIMITATION, NEGLIGENCE) OR OTHERWISE FOR ANY DIRECT, SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL, PUNITIVE, EXEMPLARY, OR OTHER LOSSES, COSTS, EXPENSES, OR DAMAGES ARISING OUT OF THIS PUBLIC LICENSE OR USE OF THE LICENSED MATERIAL, EVEN IF THE LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH LOSSES, COSTS, EXPENSES, OR DAMAGES. WHERE A LIMITATION OF LIABILITY IS NOT ALLOWED IN FULL OR IN PART, THIS LIMITATION MAY NOT APPLY TO YOU.

c. The disclaimer of warranties and limitation of liability provided above shall be interpreted in a manner that, to the extent possible, most closely approximates an absolute disclaimer and waiver of all liability.

Section 6 -- Term and Termination.
a. This Public License applies for the term of the Copyright and Similar Rights licensed here. However, if You fail to comply with this Public License, then Your rights under this Public License terminate automatically.

b. Where Your right to use the Licensed Material has terminated under Section 6(a), it reinstates:

1. automatically as of the date the violation is cured, provided it is cured within 30 days of Your discovery of the violation; or

2. upon express reinstatement by the Licensor.

For the avoidance of doubt, this Section 6(b) does not affect any right the Licensor may have to seek remedies for Your violations of this Public License.

c. For the avoidance of doubt, the Licensor may also offer the Licensed Material under separate terms or conditions or stop distributing the Licensed Material at any time; however, doing so will not terminate this Public License.

d. Sections 1, 5, 6, 7, and 8 survive termination of this Public License.

Section 7 -- Other Terms and Conditions.

a. The Licensor shall not be bound by any additional or different terms or conditions communicated by You unless expressly agreed.

b. Any arrangements, understandings, or agreements regarding the Licensed Material not stated herein are separate from and independent of the terms and conditions of this Public License.

Section 8 -- Interpretation.

a. For the avoidance of doubt, this Public License does not, and shall not be interpreted to, reduce, limit, restrict, or impose conditions on any use of the Licensed Material that could lawfully be made without permission under this Public License.

b. To the extent possible, if any provision of this Public License is deemed unenforceable, it shall be automatically reformed to the minimum extent necessary to make it enforceable. If the provision
cannot be reformed, it shall be severed from this Public License without affecting the enforceability of the remaining terms and conditions.

c. No term or condition of this Public License will be waived and no failure to comply consented to unless expressly agreed to by the Licensor.

d. Nothing in this Public License constitutes or may be interpreted as a limitation upon, or waiver of, any privileges and immunities that apply to the Licensor or You, including from the legal processes of any jurisdiction or authority.

Creative Commons is not a party to its public licenses. Notwithstanding, Creative Commons may elect to apply one of its public licenses to material it publishes and in those instances will be considered the Licensor. The text of the Creative Commons public licenses is dedicated to the public domain under the CC0 Public Domain Dedication. Except for the limited purpose of indicating that material is shared under a Creative Commons public license or as otherwise permitted by the Creative Commons policies published at creativecommons.org/policies, Creative Commons does not authorize the use of the trademark "Creative Commons" or any other trademark or logo of Creative Commons without its prior written consent including, without limitation, in connection with any unauthorized modifications to any of its public licenses or any other arrangements, understandings, or agreements concerning use of licensed material. For the avoidance of doubt, this paragraph does not form part of the public licenses.

Creative Commons may be contacted at creativecommons.org.

The MIT License (MIT)
Copyright (c) Microsoft Corporation

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT
NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR 
PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, 
DAMAGES OR OTHER LIABILITY,
WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN 
CONNECTION WITH THE 
SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
LibTomMath is hereby released into the Public Domain.

-- Tom St Denis

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.
Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the
earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article
11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display
Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is
reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.
11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered
A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".
You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

NOTE:

The licence on these schema files is not GPL, or a standard Open Source licence. Be careful to redistribute these files as part of Samba or 'your implementation', but not alone.

See each file for it's licence from Microsoft.

Copyright (c) 1998  Red Hat Software

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

Copyright (c) 2007 - 2014 Michael Twomey

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
The IDL files in this directory are made available by the Samba Team
under the following license:

Permission to use, copy, modify, and distribute these interface
definitions for any purpose is hereby granted without fee.

This work is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
Copyright 2006-2009 Johann C. Rocholl <johann@rocholl.net>
Copyright 2009-2014 Florent Xicluna <florent.xicluna@gmail.com>

Licensed under the terms of the Expat License

Permission is hereby granted, free of charge, to any person
obtaining a copy of this software and associated documentation files
(the “Software”), to deal in the Software without restriction,
including without limitation the rights to use, copy, modify, merge,
publish, distribute, sublicense, and/or sell copies of the Software,
and to permit persons to whom the Software is furnished to do so,
subject to the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS
BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN
ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.
This is a copy of the standard copyright notice on most files in the
heimdal tree. This license is considered to be GPL compatible by the
Free Software Foundation (see http://www.fsf.org/licensing/licenses/index_html#GPLCompatibleLicenses)

Note that the list of copyright holders varies between the individual files. Also note that this Samba4 MODIFIED VERSION may depend on GPL'ed libraries.

Many thanks to the Heimdal developers for their support and cooperation in the use of the heimdal code in Samba.

/*
 * Copyright (c) 1997 - 2005 Kungliga Tekniska Hgskolan and others.
 * (Royal Institute of Technology, Stockholm, Sweden).
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 *
 * 3. Neither the name of the Institute nor the names of its contributors
 *    may be used to endorse or promote products derived from this software
 *    without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS ``AS IS'' AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
 * SUCH DAMAGE.
 */

1.488 cups 2.2.6-38.el8
1.488.1 Available under license:

Copyright 1992, 1993, 1994, 1997 Henry Spencer. All rights reserved.
This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.

2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.

4. This notice may not be removed or altered.

CUPS License Agreement

Copyright 2007-2016 by Apple Inc.
1 Infinite Loop
Cupertino, CA 95014 USA

WWW: http://www.cups.org/

INTRODUCTION

CUPS(tm) is provided under the GNU General Public License ("GPL") and GNU Library General Public License ("LGPL"), Version 2, with an exception for Apple operating systems. A copy of the exception and licenses follow this introduction.

The GNU LGPL applies to the CUPS and CUPS Imaging libraries located in the "cups" and "filter" subdirectories of the CUPS source distribution and the files in the "test" subdirectory. The GNU GPL applies to the remainder of the CUPS distribution.

For those not familiar with the GNU GPL, the license basically allows you to:

- Use the CUPS software at no charge.
- Distribute verbatim copies of the software in source or binary form.
- Sell verbatim copies of the software for a media fee, or
sell support for the software.

What this license *does not* allow you to do is make changes or
add features to CUPS and then sell a binary distribution without
source code. You must provide source for any changes or additions
to the software, and all code must be provided under the GPL or
LGPL as appropriate. The only exceptions to this are the portions
of the CUPS software covered by the Apple operating system
license exceptions outlined later in this license agreement.

The GNU LGPL relaxes the "link-to" restriction, allowing you to
develop applications that use the CUPS and CUPS Imaging libraries
under other licenses and/or conditions as appropriate for your
application, driver, or filter.

LICENSE EXCEPTIONS

In addition, as the copyright holder of CUPS, Apple Inc. grants
the following special exception:

1. Apple Operating System Development License Exception;

   a. Software that is developed by any person or entity
      for an Apple Operating System ("Apple OS-Developed
      Software"), including but not limited to Apple and
      third party printer drivers, filters, and backends
      for an Apple Operating System, that is linked to the
      CUPS imaging library or based on any sample filters
      or backends provided with CUPS shall not be
      considered to be a derivative work or collective work
      based on the CUPS program and is exempt from the
      mandatory source code release clauses of the GNU GPL.
      You may therefore distribute linked combinations of
      the CUPS imaging library with Apple OS-Developed
      Software without releasing the source code of the
      Apple OS-Developed Software. You may also use sample
      filters and backends provided with CUPS to develop
      Apple OS-Developed Software without releasing the
      source code of the Apple OS-Developed Software.

   b. An Apple Operating System means any operating system
      software developed and/or marketed by Apple Inc.,
      including but not limited to all existing releases and
      versions of Apple's Darwin, iOS, macOS, macOS Server, and
tvOS products and all follow-on releases and future
      versions thereof.
c. This exception is only available for Apple OS-Developed Software and does not apply to software that is distributed for use on other operating systems.

d. All CUPS software that falls under this license exception have the following text at the top of each source file:

   This file is subject to the Apple OS-Developed Software exception.

No developer is required to provide this exception in a derived work.

KERBEROS SUPPORT CODE

The Kerberos support code ("KSC") is copyright 2006 by Jelmer Vernooij and is provided 'as-is', without any express or implied warranty. In no event will the author or Apple Inc. be held liable for any damages arising from the use of the KSC.

Sources files containing KSC have the following text at the top of each source file:

   This file contains Kerberos support code, copyright 2006 by Jelmer Vernooij.

The KSC copyright and license apply only to Kerberos-related feature code in CUPS. Such code is typically conditionally compiled based on the present of the HAVE_GSSAPI preprocessor definition.

Permission is granted to anyone to use the KSC for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of the KSC must not be misrepresented; you must not claim that you wrote the original software. If you use the KSC in a product, an acknowledgment in the product documentation would be appreciated but is not required.

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

TRADEMARKS

CUPS and the CUPS logo (the "CUPS Marks") are trademarks of Apple Inc. Apple grants you a non-exclusive and non-transferable right to use the CUPS Marks in any direct port or binary distribution incorporating CUPS software and in any promotional material therefor. You agree that your products will meet the highest levels of quality and integrity for similar goods, not be unlawful, and be developed, manufactured, and distributed in compliance with this license. You will not interfere with Apple's rights in the CUPS Marks, and all use of the CUPS Marks shall inure to the benefit of Apple. This license does not apply to use of the CUPS Marks in a derivative products, which requires prior written permission from Apple Inc.

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.
IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA  02111-1307  USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don’t assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without
changing the library, is in some sense simply using the library, and is analoguous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the source code distributed need not include anything that is normally
distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software: you can redistribute it and/or
modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

### 1.489 kmod 25 13.el8

**1.489.1 Available under license:**

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.
Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.
GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.
<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

LGPL

LGPL

LGPL

1.490 nmap 7.70 5.el8
1.490.1 Available under license:

/***************************************************************************
* COPYING -- Describes the terms under which Nmap is distributed. 
* 
* ************************************************************IMPORTANT NMAP LICENSE TERMS************************************************************
* 
* The Nmap Security Scanner is (C) 1996-2018 Insecure.Com LLC ("The Nmap 
* Project"). Nmap is also a registered trademark of the Nmap Project. 
* This program is free software; you may redistribute and/or modify it 
* under the terms of the GNU General Public License as published by the 
* Free Software Foundation; Version 2 ("GPL"), BUT ONLY WITH ALL OF THE 
* CLARIFICATIONS AND EXCEPTIONS DESCRIBED HEREIN. This guarantees your 
* right to use, modify, and redistribute this software under certain 
* conditions. If you wish to embed Nmap technology into proprietary 
* software, we sell alternative licenses (contact sales@nmap.com). 
* Dozens of software vendors already license Nmap technology such as 
* host discovery, port scanning, OS detection, version detection, and 
* the Nmap Scripting Engine. 
* 
* Note that the GPL places important restrictions on "derivative works": 
* yet it does not provide a detailed definition of that term. To avoid 
* misunderstandings, we interpret that term as broadly as copyright law 
* allows. For example, we consider an application to constitute a 
* derivative work for the purpose of this license if it does any of the 
* following with any software or content covered by this license 
* ("Covered Software"): 
* 
* o Integrates source code from Covered Software. 
* 
* o Reads or includes copyrighted data files, such as Nmap's nmap-os-db 
* or nmap-service-probes. 
*/
* o Is designed specifically to execute Covered Software and parse the results (as opposed to typical shell or execution-menu apps, which will execute anything you tell them to).
* o Includes Covered Software in a proprietary executable installer. The installers produced by InstallShield are an example of this. Including Nmap with other software in compressed or archival form does not trigger this provision, provided appropriate open source decompression or de-archiving software is widely available for no charge. For the purposes of this license, an installer is considered to include Covered Software even if it actually retrieves a copy of Covered Software from another source during runtime (such as by downloading it from the Internet).
* o Links (statically or dynamically) to a library which does any of the above.
* o Executes a helper program, module, or script to do any of the above.

This list is not exclusive, but is meant to clarify our interpretation of derived works with some common examples. Other people may interpret the plain GPL differently, so we consider this a special exception to the GPL that we apply to Covered Software. Works which meet any of these conditions must conform to all of the terms of this license, particularly including the GPL Section 3 requirements of providing source code and allowing free redistribution of the work as a whole.

As another special exception to the GPL terms, the Nmap Project grants permission to link the code of this program with any version of the OpenSSL library which is distributed under a license identical to that listed in the included docs/licenses/OpenSSL.txt file, and distribute linked combinations including the two.

The Nmap Project has permission to redistribute Npcap, a packet capturing driver and library for the Microsoft Windows platform. Npcap is a separate work with its own license rather than this Nmap license. Since the Npcap license does not permit redistribution without special permission, our Nmap Windows binary packages which contain Npcap may not be redistributed without special permission.

Any redistribution of Covered Software, including any derived works, must obey and carry forward all of the terms of this license, including obeying all GPL rules and restrictions. For example, source code of the whole work must be provided and free redistribution must be allowed. All GPL references to "this License", are to be treated as including the terms and conditions of this license text as well.

Because this license imposes special exceptions to the GPL, Covered Software which
* Work may not be combined (even as part of a larger work) with plain GPL *
* software. The terms, conditions, and exceptions of this license must *
* be included as well. This license is incompatible with some other open *
* source licenses as well. In some cases we can relicense portions of *
* Nmap or grant special permissions to use it in other open source *
* software. Please contact fyodor@nmap.org with any such requests. *
* Similarly, we don't incorporate incompatible open source software into *
* Covered Software without special permission from the copyright holders.*
* *
* If you have any questions about the licensing restrictions on using *
* Nmap in other works, we are happy to help. As mentioned above, we also *
* offer an alternative license to integrate Nmap into proprietary *
* applications and appliances. These contracts have been sold to dozens *
* of software vendors, and generally include a perpetual license as well *
* as providing support and updates. They also fund the continued *
* development of Nmap. Please email sales@nmap.com for further *
* information.
* *
* If you have received a written license agreement or contract for *
* Covered Software stating terms other than these, you may choose to use *
* and redistribute Covered Software under those terms instead of these. *
*
* Source is provided to this software because we believe users have a *
* right to know exactly what a program is going to do before they run it. *
* This also allows you to audit the software for security holes.
* *
* Source code also allows you to port Nmap to new platforms, fix bugs, *
* and add new features. You are highly encouraged to send your changes *
* to the dev@nmap.org mailing list for possible incorporation into the *
* main distribution. By sending these changes to Fyodor or one of the *
* Insecure.Org development mailing lists, or checking them into the Nmap *
* source code repository, it is understood (unless you specify *
* otherwise) that you are offering the Nmap Project the unlimited, *
* non-exclusive right to reuse, modify, and relicense the code. Nmap *
* will always be available Open Source, but this is important because *
* the inability to relicense code has caused devastating problems for *
* other Free Software projects (such as KDE and NASM). We also *
* occasionally relicense the code to third parties as discussed above.
* *
* If you wish to specify special license conditions of your *
* contributions, just say so when you send them.
* *
* This program is distributed in the hope that it will be useful, but *
* WITHOUT ANY WARRANTY; without even the implied warranty of *
* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the Nmap *
* license file for more details (it's in a COPYING file included with *
* Nmap, and also available from https://svn.nmap.org/nmap/COPYING)
* *
***************************************************************************/
GNU General Public License

Table of Contents

* GNU GENERAL PUBLIC LICENSE
  o Preamble
  o TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
  o How to Apply These Terms to Your New Programs

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place - Suite 330, Boston, MA  02111-1307, USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to
share and change it. By contrast, the GNU General Public License is intended
to guarantee your freedom to share and change free software--to make sure
the software is free for all its users. This General Public License applies
to most of the Free Software Foundation's software and to any other program
whose authors commit to using it. (Some other Free Software Foundation
software is covered by the GNU Library General Public License instead.) You
can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our
General Public Licenses are designed to make sure that you have the freedom
to distribute copies of free software (and charge for this service if you
wish), that you receive source code or can get it if you want it, that you
can change the software or use pieces of it in new free programs; and that
you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to
deny you these rights or to ask you to surrender the rights. These
restrictions translate to certain responsibilities for you if you distribute
copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or
for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of
the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

* a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

* b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

* c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

* a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

* b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

* c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the
Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the program's name and an idea of what it does.
Copyright (C) 19yy name of author

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision'
Open Source Used In CSPC_Collector 2.9.1

CSPC_Collector 2.9.1
by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.491 javax-websocket-api 1.1

1.492 jetty-plus 9.4.11.v20180605

1.493 npth 1.5 4.el8
1.493.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use
this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING

Open Source Used In CSPC_Collector 2.9.1 4953
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A 
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF 
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH 
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest 
possible use to the public, we recommend making it free software that 
everyone can redistribute and change. You can do so by permitting 
redistribution under these terms (or, alternatively, under the terms 
of the ordinary General Public License).

To apply these terms, attach the following notices to the library. 
It is safest to attach them to the start of each source file to most 
effectively convey the exclusion of warranty; and each file should 
have at least the "copyright" line and a pointer to where the full 
notice is found.

<one line to give the library's name and a brief idea of what it does.> 
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or 
modify it under the terms of the GNU Lesser General Public 
License as published by the Free Software Foundation; either 
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, 
but WITHOUT ANY WARRANTY; without even the implied warranty of 
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU 
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public 
License along with this library; if not, write to the Free Software 
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or 
your school, if any, to sign a "copyright disclaimer" for the library, 
if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the 
library `Frob' (a library for tweaking knobs) written by James 
Random Hacker.
Signature of Ty Coon, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.494 httpcomponents-core 4.4.4
1.494.1 Available under license:

=========================================================================
This project contains annotations in the package org.apache.http.annotation
which are derived from JCIP-ANNOTATIONS
Copyright (c) 2005 Brian Goetz and Tim Peierls.
See http://www.jcip.net and the Creative Commons Attribution License
(http://creativecommons.org/licenses/by/2.5)
Full text: http://creativecommons.org/licenses/by/2.5/legalcode

License

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS
PUBLIC LICENSE ("CCPL" OR "LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR
OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS
LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE
BOUND BY THE TERMS OF THIS LICENSE. THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED
HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

1. Definitions

"Collective Work" means a work, such as a periodical issue, anthology or encyclopedia, in which the Work in its
entirety in unmodified form, along with a number of other contributions, constituting separate and independent
works in themselves, are assembled into a collective whole. A work that constitutes a Collective Work will not be
considered a Derivative Work (as defined below) for the purposes of this License.

"Derivative Work" means a work based upon the Work or upon the Work and other pre-existing works, such as a
translation, musical arrangement, dramatization, fictionalization, motion picture version, sound recording, art
reproduction, abridgment, condensation, or any other form in which the Work may be recast, transformed, or
adapted, except that a work that constitutes a Collective Work will not be considered a Derivative Work for the
purpose of this License. For the avoidance of doubt, where the Work is a musical composition or sound recording,
the synchronization of the Work in timed-relation with a moving image ("synching") will be considered a Derivative
Work for the purpose of this License.

"Licensor" means the individual or entity that offers the Work under the terms of this License.
"Original Author" means the individual or entity who created the Work.
"Work" means the copyrightable work of authorship offered under the terms of this License.
"You" means an individual or entity exercising rights under this License who has not previously violated the terms
of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.

2. Fair Use Rights. Nothing in this license is intended to reduce, limit, or restrict any rights arising from fair use, first sale or other limitations on the exclusive rights of the copyright owner under copyright law or other applicable laws.

3. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

   to reproduce the Work, to incorporate the Work into one or more Collective Works, and to reproduce the Work as incorporated in the Collective Works;
   to create and reproduce Derivative Works;
   to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission the Work including as incorporated in Collective Works;
   to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission Derivative Works.

   For the avoidance of doubt, where the work is a musical composition:
   Performance Royalties Under Blanket Licenses. Licensor waives the exclusive right to collect, whether individually or via a performance rights society (e.g. ASCAP, BMI, SESAC), royalties for the public performance or public digital performance (e.g. webcast) of the Work.
   Mechanical Rights and Statutory Royalties. Licensor waives the exclusive right to collect, whether individually or via a music rights agency or designated agent (e.g. Harry Fox Agency), royalties for any phonorecord You create from the Work ("cover version") and distribute, subject to the compulsory license created by 17 USC Section 115 of the US Copyright Act (or the equivalent in other jurisdictions).
   Webcasting Rights and Statutory Royalties. For the avoidance of doubt, where the Work is a sound recording, Licensor waives the exclusive right to collect, whether individually or via a performance-rights society (e.g. SoundExchange), royalties for the public digital performance (e.g. webcast) of the Work, subject to the compulsory license created by 17 USC Section 114 of the US Copyright Act (or the equivalent in other jurisdictions).

   The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. All rights not expressly granted by Licensor are hereby reserved.

4. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

   You may distribute, publicly display, publicly perform, or publicly digitally perform the Work only under the terms of this License, and You must include a copy of, or the Uniform Resource Identifier for, this License with every copy or phonorecord of the Work You distribute, publicly display, publicly perform, or publicly digitally perform. You may not offer or impose any terms on the Work that alter or restrict the terms of this License or the recipients' exercise of the rights granted hereunder. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties. You may not distribute, publicly display, publicly perform, or publicly digitally perform the Work with any technological measures that control access or use of the Work in a manner inconsistent with the terms of this License Agreement. The above applies to the Work as incorporated in a Collective Work, but this does not require the Collective Work apart from the Work itself to be
made subject to the terms of this License. If You create a Collective Work, upon notice from any Licensor You must, to the extent practicable, remove from the Collective Work any credit as required by clause 4(b), as requested. If You create a Derivative Work, upon notice from any Licensor You must, to the extent practicable, remove from the Derivative Work any credit as required by clause 4(b), as requested.

If you distribute, publicly display, publicly perform, or publicly digitally perform the Work or any Derivative Works or Collective Works, You must keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or (ii) if the Original Author and/or Licensor designate another party or parties (e.g. a sponsor institute, publishing entity, journal) for attribution in Licensor's copyright notice, terms of service or by other reasonable means, the name of such party or parties; the title of the Work if supplied; to the extent reasonably practicable, the Uniform Resource Identifier, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and in the case of a Derivative Work, a credit identifying the use of the Work in the Derivative Work (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). Such credit may be implemented in any reasonable manner; provided, however, that in the case of a Derivative Work or Collective Work, at a minimum such credit will appear where any other comparable authorship credit appears and in a manner at least as prominent as such other comparable authorship credit.

5. Representations, Warranties and Disclaimer

UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. Termination

This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Derivative Works or Collective Works from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.

Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

8. Miscellaneous
Each time You distribute or publicly digitally perform the Work or a Collective Work, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.

Each time You distribute or publicly digitally perform a Derivative Work, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.

If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this License, and without further action by the parties to this agreement, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.

This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.

Apache HttpComponents Core
Copyright 2005-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

This project contains annotations derived from JCIP-ANNOTATIONS
Copyright (c) 2005 Brian Goetz and Tim Peierls. See http://www.jcip.net
This project contains annotations derived from JCIP-ANNOTATIONS
Copyright (c) 2005 Brian Goetz and Tim Peierls. See http://www.jcip.net

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

-------------------------------------------------------------------------

This project contains annotations in the package org.apache.http.annotation which are derived from JCIP-ANNOTATIONS
Copyright (c) 2005 Brian Goetz and Tim Peierls.
See http://www.jcip.net and the Creative Commons Attribution License
(http://creativecommons.org/licenses/by/2.5)
Full text: http://creativecommons.org/licenses/by/2.5/legalcode

License

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS PUBLIC LICENSE ("CCPL" OR "LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

1. Definitions

"Collective Work" means a work, such as a periodical issue, anthology or encyclopedia, in which the Work in its entirety in unmodified form, along with a number of other contributions, constituting separate and independent works in themselves, are assembled into a collective whole. A work that constitutes a Collective Work will not be considered a Derivative Work (as defined below) for the purposes of this License.

"Derivative Work" means a work based upon the Work or upon the Work and other pre-existing works, such as a translation, musical arrangement, dramatization, fictionalization, motion picture version, sound recording, art reproduction, abridgment, condensation, or any other form in which the Work may be recast, transformed, or adapted, except that a work that constitutes a Collective Work will not be considered a Derivative Work for the purpose of this License. For the avoidance of doubt, where the Work is a musical composition or sound recording, the synchronization of the Work in timed-relation with a moving image ("synching") will be considered a Derivative Work for the purpose of this License.

"Licensor" means the individual or entity that offers the Work under the terms of this License.

"Original Author" means the individual or entity who created the Work.

"Work" means the copyrightable work of authorship offered under the terms of this License.

"You" means an individual or entity exercising rights under this License who has not previously violated the terms
of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.

2. Fair Use Rights. Nothing in this license is intended to reduce, limit, or restrict any rights arising from fair use, first sale or other limitations on the exclusive rights of the copyright owner under copyright law or other applicable laws.

3. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

   to reproduce the Work, to incorporate the Work into one or more Collective Works, and to reproduce the Work as incorporated in the Collective Works;
   to create and reproduce Derivative Works;
   to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission the Work including as incorporated in Collective Works;
   to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission Derivative Works.

For the avoidance of doubt, where the work is a musical composition:

   Performance Royalties Under Blanket Licenses. Licensor waives the exclusive right to collect, whether individually or via a performance rights society (e.g. ASCAP, BMI, SESAC), royalties for the public performance or public digital performance (e.g. webcast) of the Work.

   Mechanical Rights and Statutory Royalties. Licensor waives the exclusive right to collect, whether individually or via a music rights agency or designated agent (e.g. Harry Fox Agency), royalties for any phonorecord You create from the Work ("cover version") and distribute, subject to the compulsory license created by 17 USC Section 115 of the US Copyright Act (or the equivalent in other jurisdictions).

   Webcasting Rights and Statutory Royalties. For the avoidance of doubt, where the Work is a sound recording, Licensor waives the exclusive right to collect, whether individually or via a performance-rights society (e.g. SoundExchange), royalties for the public digital performance (e.g. webcast) of the Work, subject to the compulsory license created by 17 USC Section 114 of the US Copyright Act (or the equivalent in other jurisdictions).

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. All rights not expressly granted by Licensor are hereby reserved.

4. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

   You may distribute, publicly display, publicly perform, or publicly digitally perform the Work only under the terms of this License, and You must include a copy of, or the Uniform Resource Identifier for, this License with every copy or phonorecord of the Work You distribute, publicly display, publicly perform, or publicly digitally perform. You may not offer or impose any terms on the Work that alter or restrict the terms of this License or the recipients' exercise of the rights granted hereunder. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties. You may not distribute, publicly display, publicly perform, or publicly digitally perform the Work with any technological measures that control access or use of the Work in a manner inconsistent with the terms of this License Agreement. The above applies to the Work as incorporated in a Collective Work, but this does not require the Collective Work apart from the Work itself to be
made subject to the terms of this License. If You create a Collective Work, upon notice from any Licensor You must, to the extent practicable, remove from the Collective Work any credit as required by clause 4(b), as requested. If You create a Derivative Work, upon notice from any Licensor You must, to the extent practicable, remove from the Derivative Work any credit as required by clause 4(b), as requested.

If you distribute, publicly display, publicly perform, or publicly digitally perform the Work or any Derivative Works or Collective Works, You must keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or (ii) if the Original Author and/or Licensor designate another party or parties (e.g. a sponsor institute, publishing entity, journal) for attribution in Licensor's copyright notice, terms of service or by other reasonable means, the name of such party or parties; the title of the Work if supplied; to the extent reasonably practicable, the Uniform Resource Identifier, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and in the case of a Derivative Work, a credit identifying the use of the Work in the Derivative Work (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). Such credit may be implemented in any reasonable manner; provided, however, that in the case of a Derivative Work or Collective Work, at a minimum such credit will appear where any other comparable authorship credit appears and in a manner at least as prominent as such other comparable authorship credit.

5. Representations, Warranties and Disclaimer

UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. Termination

This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Derivative Works or Collective Works from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.

Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

8. Miscellaneous
Each time You distribute or publicly digitally perform the Work or a Collective Work, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.

Each time You distribute or publicly digitally perform a Derivative Work, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.

If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this License, and without further action by the parties to this agreement, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.

This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.

1.495 perl-podlators 4.11 1.el8

1.495.1 Available under license:

Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Comment: This file documents the copyright statements and licenses for every file in this package in a machine-readable format. For a less detailed, higher-level overview, see README.

For any copyright year range specified as YYYY-ZZZZ in this file, the range specifies every single year in that closed interval.

Files: *
Copyright: 1999-2010, 2012-2018 Russ Allbery <rra@cpan.org>
2000 Joe Smith <Joe.Smith@inwap.com>
2016 Niko Tyni <ntyni@iki.fi>
License: Perl
This program is free software; you may redistribute it and/or modify it under the same terms as Perl itself. This means that you may choose between the two licenses that Perl is released under: the GNU GPL and the Artistic License. Please see your Perl distribution for the details and copies of the licenses.

Files: pod/perlpodstyle.pod t/data/basic.cap t/data/basic.clr
t/data/basic.man t/data/basic.ovr t/data/basic.pod t/data/basic.txt
t/data/snippets/README
Russ Allbery <rra@cpan.org>
License: all-permissive
Copying and distribution of this file, with or without modification, are permitted in any medium without royalty provided the copyright notice and this notice are preserved. This file is offered as-is, without any
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.498 apache-log4j 2.6.1

1.498.1 Available under license:

- Apache Log4j Core
  Copyright 1999-2012 Apache Software Foundation

  This product includes software developed at
  The Apache Software Foundation (http://www.apache.org/).

- ResolverUtil.java
  Copyright 2005-2006 Tim Fennell

  Apache License
  Version 2.0, January 2004
  http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright 1999-2005 The Apache Software Foundation

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.499 gwt 2.9.0

1.499.1 Available under license:
Copyright (C) 2005, 2006, 2007, 2008, 2009 Apple Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY APPLE INC. AND ITS CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL APPLE INC. OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GWT LICENSE INFORMATION

March 3, 2008

The GWT software and sample code developed by the GWT authors is licensed under the Apache License, v. 2.0. Other software included in this distribution is provided under other licenses, as listed in the Included Software and Licenses section at the bottom of this page. Source code for software included in this distribution is available from the GWT project or as otherwise indicated at the bottom of this page.

Please note that the executable version of the GWT SDK distributed by Google will communicate with Google's servers to check for available updates. If updates are available, you will receive the option to install them.

=====

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide,
non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

a. You must give any other recipients of the Work or Derivative Works a copy of this License; and

b. You must cause any modified files to carry prominent notices stating that You changed the files; and

c. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

d. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License. You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.
5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any kind arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of Your accepting any such warranty or additional liability.

===

LICENSE INFORMATION REGARDING BUNDLED THIRD-PARTY SOFTWARE

The following third party software is distributed with GWT
and is provided under other licenses and/or has source
available from other locations. Where "gwt-dev.jar" is listed,
substitute in the name of the jar corresponding to your platform,
e.g. "gwt-dev-linux.jar".

* Apache Tomcat
License: Apache License v. 2.0 (above)
Source code availability: http://tomcat.apache.org
  modifications are at org/apache/tomcat/ within gwt-dev.jar

* Apache Tapestry
License: Apache License v. 2.0 (above)
Source code availability: http://tapestry.apache.org

* ASM 3.1
License: (custom)
  http://asm.objectweb.org/license.html
Source code availability: com/google/gwt/dev/asm/ within gwt-dev.jar

* Eclipse Java Development Tools (JDT)
License: Eclipse Public License v. 1.0
Source code availability:

* Eclipse Standard Widget Toolkit (SWT)
License: Eclipse Public License v. 1.0
Source code availability:
  modifications are at org/eclipse/swt/ within gwt-dev.jar

* Jetty
License: Apache License v. 2.0 (above)
Source code availability:
  http://mortbay.org/jetty/

* Mozilla Rhino
License: Mozilla Public License v. 1.1
  http://www.mozilla.org/MPL/MPL-1.1.txt
Source code availability: com/google/gwt/dev/js/rhino/ within gwt-dev.jar
* Mozilla 1.7.12 (Linux only)
License: Mozilla Public License v. 1.1
http://www.mozilla.org/MPL/MPL-1.1.txt
Source code availability:

* Protobuf
License: New BSD License
http://www.opensource.org/licenses/bsd-license.php
Source code availability:
http://code.google.com/p/protobuf/source/checkout
Binary modifications consist of package-rebasing. The rebased classes are rooted at com/google/gwt/dev/protobuf/ within gwt-dev.jar

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some
specially designated Free Software Foundation software, and to any
other libraries whose authors decide to use it. You can use it for
your libraries, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if
you distribute copies of the library, or if you modify it.
For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the
users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Library General Public License for more details.

You should have received a copy of the GNU Library General Public
License along with this library; if not, write to the Free
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.
"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS.
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS
The files in this package are taken from mozilla's Rhino project.
See http://www.mozilla.org/rhino/
The files modified from Rhino 1.5R3

--

The contents of this package are subject to the Netscape Public License Version 1.1 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.mozilla.org/NPL/

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

The Original Code is Rhino code, released May 6, 1999.

The Initial Developer of the Original Code is Netscape Communications Corporation. Portions created by Netscape are Copyright (C) 1997-2000 Netscape Communications Corporation. All Rights Reserved.

Alternatively, the contents of this file may be used under the terms of the GNU Public License (the "GPL"), in which case the provisions of the GPL are applicable instead of those above.
If you wish to allow use of your version of this file only under the terms of the GPL and not to allow others to use your version of this file under the NPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the GPL. If you do not delete the provisions above, a recipient may use your version of this file under either the NPL or the GPL.

1.500 api-ldap-extras-sp 1.0.2
1.500.1 Available under license:

Apache Directory LDAP API Extras Stored Procedures
Copyright 2003-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
This software includes code generated by ANTLR 2.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.
"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]
Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

----------------------------------------------
ANTLR 2 License

ANTLR 2 License

We reserve no legal rights to the ANTLR--it is fully in the public domain. An individual or company may do whatever they wish with source code distributed with ANTLR or the code generated by ANTLR, including the incorporation of ANTLR, or its output, into commercial software.

We encourage users to develop software with ANTLR. However, we do ask that credit is given to us for developing ANTLR. By "credit", we mean that if you use ANTLR or incorporate any source code into one of your programs (commercial product, research project, or otherwise) that you acknowledge this fact somewhere in the documentation, research report, etc... If you like ANTLR and have developed a nice tool with the output, please mention that you developed it using ANTLR. In addition, we ask that the headers remain intact in our source code. As long as these guidelines are kept, we expect to continue enhancing this system and expect to make other tools available as they are completed.

1.501 jaxme2 0.5
1.501.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License.
1.502 jersey-container-jetty-http 2.27

1.502.1 Available under license:

Found license 'General Public License 2.0' in

# Copyright (c) 2013-2017 Oracle and/or its affiliates. All rights reserved. # The contents of this file are subject to the terms of either the GNU # General Public License Version 2 only ("GPL") or the Common Development # and Distribution License("CDDL") (collectively, the "License"). You # may not use this file except in compliance with the License. You can # Oracle designates this particular file as subject to the "Classpath" # exception as provided by Oracle in the GPL Version 2 section of the License’

Found license 'General Public License 2.0' in

* Copyright (c) 2011-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License’

Found license 'General Public License 2.0' in

* Copyright (c) 2013-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License’

No license file was found, but licenses were detected in source scan.

NAME
WWW::RobotRules - database of robots.txt-derived permissions

SYNOPSIS
use WWW::RobotRules;
my $rules = WWW::RobotRules->new('MOMspider/1.0');

use LWP::Simple qw(get);

{
    my $url = "http://some.place/robots.txt";
    my $robots_txt = get $url;
    $rules->parse($url, $robots_txt) if defined $robots_txt;
}

{
    my $url = "http://some.other.place/robots.txt";
    my $robots_txt = get $url;
    $rules->parse($url, $robots_txt) if defined $robots_txt;
}

# Now we can check if a URL is valid for those servers
# whose "robots.txt" files we've gotten and parsed:
if($rules->allowed($url)) {
    $c = get $url;
    ...
}

DESCRIPTION
This module parses /robots.txt files as specified in "A Standard for
Webmasters can use the /robots.txt file to forbid conforming robots from
accessing parts of their web site.

The parsed files are kept in a WWW::RobotRules object, and this object
provides methods to check if access to a given URL is prohibited. The
same WWW::RobotRules object can be used for one or more parsed
/robots.txt files on any number of hosts.

The following methods are provided:

$rules = WWW::RobotRules->new($robot_name)
This is the constructor for WWW::RobotRules objects. The first
argument given to new() is the name of the robot.

$rules->parse($robot_txt_url, $content, $fresh_until)
The parse() method takes as arguments the URL that was used to
retrieve the /robots.txt file, and the contents of the file.

$rules->allowed($uri)
Returns TRUE if this robot is allowed to retrieve this URL.

$rules->agent([$name])
Get/set the agent name. NOTE: Changing the agent name will clear the
robots.txt rules and expire times out of the cache.

ROBOTS.TXT
The format and semantics of the "/robots.txt" file are as follows (this
is an edited abstract of <http://www.robotstxt.org/wc/norobots.html>):

The file consists of one or more records separated by one or more blank
lines. Each record contains lines of the form

    <field-name>: <value>

The field name is case insensitive. Text after the '#' character on a
line is ignored during parsing. This is used for comments. The following
<field-names> can be used:

User-Agent
The value of this field is the name of the robot the record is describing access policy for. If more than one *User-Agent* field is present the record describes an identical access policy for more than one robot. At least one field needs to be present per record. If the value is '*', the record describes the default access policy for any robot that has not matched any of the other records.

The *User-Agent* fields must occur before the *Disallow* fields. If a record contains a *User-Agent* field after a *Disallow* field, that constitutes a malformed record. This parser will assume that a blank line should have been placed before that *User-Agent* field, and will break the record into two. All the fields before the *User-Agent* field will constitute a record, and the *User-Agent* field will be the first field in a new record.

Disallow
The value of this field specifies a partial URL that is not to be visited. This can be a full path, or a partial path; any URL that starts with this value will not be retrieved

Unrecognized records are ignored.

ROBOTS.TXT EXAMPLES
The following example "robots.txt" file specifies that no robots should visit any URL starting with "/cyberworld/map/" or "/tmp/" :

User-agent: *
Disallow: /cyberworld/map/ # This is an infinite virtual URL space
Disallow: /tmp/ # these will soon disappear

This example "robots.txt" file specifies that no robots should visit any URL starting with "/cyberworld/map/", except the robot called "cybermapper":

User-agent: *
Disallow: /cyberworld/map/ # This is an infinite virtual URL space

# Cybermapper knows where to go.
User-agent: cybermapper
Disallow:

This example indicates that no robots should visit this site further:

# go away
User-agent: *
Disallow: /

This is an example of a malformed robots.txt file.
# robots.txt for ancientcastle.example.com
# I've locked myself away.
User-agent: *
Disallow: /

# The castle is your home now, so you can go anywhere you like.
User-agent: Belle
Disallow: /west-wing/ # except the west wing!

# It's good to be the Prince...
User-agent: Beast
Disallow:

This file is missing the required blank lines between records. However, the intention is clear.

SEE ALSO
LWP::RobotUA, WWW::RobotRules::AnyDBM_File

COPYRIGHT
Copyright 1995-2009, Gisle Aas
Copyright 1995, Martijn Koster

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
No license file was found, but licenses were detected in source scan.

# Bender: "Well, I don't have anything else
#           planned for today. Let's get drunk!"

=head1 NAME
WWW::RobotRules - database of robots.txt-derived permissions

=head1 SYNOPSIS
use WWW::RobotRules;
my $rules = WWW::RobotRules->new('MOMspider/1.0');

use LWP::Simple qw(get);

{
    my $url = "http://some.place/robots.txt";
    my $robots_txt = get $url;
$rules->parse($url, $robots_txt) if defined $robots_txt;
}

my $url = "http://some.other.place/robots.txt";
my $robots_txt = get $url;
$rules->parse($url, $robots_txt) if defined $robots_txt;
}

# Now we can check if a URL is valid for those servers
# whose "robots.txt" files we've gotten and parsed:
if($rules->allowed($url)) {
    $c = get $url;
    ...
}

=head1 DESCRIPTION

This module parses F</robots.txt> files as specified in "A Standard for Robot Exclusion", at
<http://www.robotstxt.org/wc/norobots.html>
Webmasters can use the F</robots.txt> file to forbid conforming robots from accessing parts of their web site.

The parsed files are kept in a WWW::RobotRules object, and this object provides methods to check if access to a given URL is prohibited. The same WWW::RobotRules object can be used for one or more parsed F</robots.txt> files on any number of hosts.

The following methods are provided:

=over 4

=item $rules = WWW::RobotRules->new($robot_name)

This is the constructor for WWW::RobotRules objects. The first argument given to new() is the name of the robot.

=item $rules->parse($robot_txt_url, $content, $fresh_until)

The parse() method takes as arguments the URL that was used to retrieve the F</robots.txt> file, and the contents of the file.

=item $rules->allowed($uri)

Returns TRUE if this robot is allowed to retrieve this URL.

=item $rules->agent([$name])
Get/set the agent name. NOTE: Changing the agent name will clear the robots.txt rules and expire times out of the cache.

=head1 ROBOTS.TXT

The format and semantics of the "/robots.txt" file are as follows
(this is an edited abstract of
<http://www.robotstxt.org/wc/norobots.html>):

The file consists of one or more records separated by one or more blank lines. Each record contains lines of the form

<field-name>: <value>

The field name is case insensitive. Text after the '#' character on a line is ignored during parsing. This is used for comments. The following <field-names> can be used:

=item User-Agent

The value of this field is the name of the robot the record is describing access policy for. If more than one I<User-Agent> field is present the record describes an identical access policy for more than one robot. At least one field needs to be present per record. If the value is '*', the record describes the default access policy for any robot that has not not matched any of the other records.

The I<User-Agent> fields must occur before the I<Disallow> fields. If a record contains a I<User-Agent> field after a I<Disallow> field, that constitutes a malformed record. This parser will assume that a blank line should have been placed before that I<User-Agent> field, and will break the record into two. All the fields before the I<User-Agent> field will constitute a record, and the I<User-Agent> field will be the first field in a new record.

=item Disallow

The value of this field specifies a partial URL that is not to be visited. This can be a full path, or a partial path; any URL that starts with this value will not be retrieved.
Unrecognized records are ignored.

=head1 ROBOTS.TXT EXAMPLES

The following example "/robots.txt" file specifies that no robots should visit any URL starting with "/cyberworld/map/" or "/tmp/":

User-agent: *
Disallow: /cyberworld/map/ # This is an infinite virtual URL space
Disallow: /tmp/ # these will soon disappear

This example "/robots.txt" file specifies that no robots should visit any URL starting with "/cyberworld/map/", except the robot called "cybermapper":

User-agent: *
Disallow: /cyberworld/map/ # This is an infinite virtual URL space

# Cybermapper knows where to go.
User-agent: cybermapper
Disallow:

This example indicates that no robots should visit this site further:

# go away
User-agent: *
Disallow: /

This is an example of a malformed robots.txt file.

# robots.txt for ancientcastle.example.com
# I've locked myself away.
User-agent: *
Disallow: /
# The castle is your home now, so you can go anywhere you like.
User-agent: Belle
Disallow: /west-wing/ # except the west wing!
# It's good to be the Prince...
User-agent: Beast
Disallow:

This file is missing the required blank lines between records. However, the intention is clear.

=head1 SEE ALSO

L<LWP::RobotUA>, L<WWW::RobotRules::AnyDBM_File>
=head1 COPYRIGHT

Copyright 1995-2009, Gisle Aas
Copyright 1995, Martijn Koster

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
No license file was found, but licenses were detected in source scan.

license: perl

Found in path(s):
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):

=head1 1.504 jasypt 1.9.2

1.504.1 Available under license:

Copyright (c) 2007-2010, The JASYPT team (http://www.jasypt.org)

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
This distribution includes cryptographic software. The country in which you currently reside may have restrictions on the import, possession, use, and/or re-export to another country, of encryption software. BEFORE using any encryption software, please check your country's laws, regulations and policies concerning the import, possession, or use, and re-export of encryption software, to see if this is permitted. See http://www.wassenaar.org/ for more information.

The U.S. Government Department of Commerce, Bureau of Industry and Security (BIS), has classified this software as Export Commodity Control Number (ECCN) 5D002.C.1, which includes information security software using or performing cryptographic functions with asymmetric algorithms. The form and manner of this distribution makes it eligible for export under the License Exception ENC Technology Software Unrestricted (TSU) exception (see the BIS Export Administration Regulations, Section 740.13) for both object code and source code.

The following provides more details on the cryptographic software used (note that this software is not included in the distribution):

* The PBE Encryption facilities require the Java Cryptography extensions: http://java.sun.com/javase/technologies/security/.

Distributions of this software may include software developed by The Apache Software Foundation (http://www.apache.org/).

ICU License - ICU 1.8.1 and later

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2006 International Business Machines Corporation and others

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated
documentation files (the "Software"), to deal in the
Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish,
 distribute, and/or sell copies of the Software, and to
 permit persons to whom the Software is furnished to do so,
 provided that the above copyright notice(s) and this
 permission notice appear in all copies of the Software and
 that both the above copyright notice(s) and this
 permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY
 KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
 WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR
 PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO
 EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN
 THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL
 INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES
 WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS,
 WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
 TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE
 USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright
holder shall not be used in advertising or otherwise to
 promote the sale, use or other dealings in this Software
 without prior written authorization of the copyright holder.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
 and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
 the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
 other entities that control, are controlled by, or are under common
 control with that entity. For the purposes of this definition,
 "control" means (i) the power, direct or indirect, to cause the
 direction or management of such entity, whether by contract or
 otherwise, or (ii) ownership of fifty percent (50%) or more of the
 outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.505 apache-jsp 8.5.24.2

1.505.1 Available under license:

Apache Tomcat

Copyright 1999-2017 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions.
to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS,
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at
Unlikely required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.506 activemq-shiro 5.16.1

1.506.1 Available under license:

ActiveMQ :: Shiro
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

   You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.507 error_prone_annotations 2.1.3

1.507.1 Available under license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent
infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and
You must cause any modified files to carry prominent notices stating that You changed the files; and
You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of
such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

1.508 libnl3 3.4.0 5.el8
1.508.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.
To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library’s complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob’ (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That’s all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.
The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.
Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


   The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source
form of a work.

   A "Standard Interface" means an interface that either is an official
standard defined by a recognized standards body, or, in the case of
interfaces specified for a particular programming language, one that
is widely used among developers working in that language.

   The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

   The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

   The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

   The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.
All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.
You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:
a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does
not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a
covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.
In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.
15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.509 cglb-nodep 2.2.2
1.509.1 Available under license :

== NOTICE file corresponding to the section 4 d of ==
== the Apache License, Version 2.0, ==
== in this case for the Apache Ant distribution. ==
This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

This product includes also software developed by :
- the W3C consortium (http://www.w3c.org) ,
- the SAX project (http://www.saxproject.org)

Please read the different LICENSE files present in the root directory of
this distribution.

<!DOCTYPE HTML PUBLIC "-/W3C/DTD HTML 4.0/EN">
<html>
<head>
<title>Common Public License - v 1.0</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head>
<body bgcolor="#FFFFFF" vlink="#800000">

<p align="center">Common Public License - v 1.0</p>
<p><b></b><font size="3"></font></p>
<p><font size="3"></font><font size="2">THE ACCOMPANYING PROGRAM IS PROVIDED
UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE,
REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE
OF THIS AGREEMENT.</font></p>
<p><font size="2"></font></p>
<p><font size="2"><b>1. DEFINITIONS</b></font></p>
<p><font size="2">"Contribution" means:</font></p>
<ul><font size="2">a) in the case of the initial Contributor, the initial code and documentation distributed
under this Agreement, and</font></ul>
<font size="2">b) in the case of each subsequent Contributor:</font>
<ul><font size="2">i) changes to the Program, and</font></ul>
<font size="2">ii) additions to the Program;</font>
<ul><font size="2">where such changes and/or additions to the Program originate from and are distributed by
that particular Contributor. </font></ul>
<font size="2">A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. </font>
<font size="2">Contributions do not include additions to the Program which: (i) are separate modules of software
distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.</font>
"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.
<UL><FONT SIZE="2">d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement. </FONT></UL>

<UL><FONT SIZE="2">3. REQUIREMENTS</FONT></UL>

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

<UL><FONT SIZE="2">a) it complies with the terms and conditions of this Agreement; and</FONT></UL>

<UL><FONT SIZE="2">b) its license agreement:
</FONT></UL>

<UL><FONT SIZE="2">i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;</FONT></UL>

<UL><FONT SIZE="2">ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;</FONT></UL>

<UL><FONT SIZE="2">iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and</FONT></UL>

<UL><FONT SIZE="2">iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.</FONT></UL>

When the Program is made available in source code form:

<UL><FONT SIZE="2">a) it must be made available under this Agreement; and</FONT></UL>

<UL><FONT SIZE="2">b) a copy of this Agreement must be included with each copy of the Program.</FONT></UL>
Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

Except as expressly set forth in this Agreement, the Program is provided on an "AS IS" basis, without warranties or conditions of any kind, either express or implied including, without limitation, any warranties or conditions of title, non-infringement, merchantability or fitness for a particular purpose. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program, and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.
Open Source Used In CSPC_Collector 2.9.1 5059

(INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.
ASM: a very small and fast Java bytecode manipulation framework
Copyright (c) 2000,2002,2003 INRIA, France Telecom
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holders nor the names of its
   contributors may be used to endorse or promote products derived from
   this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
THE POSSIBILITY OF SUCH DAMAGE.
/*
   Apache License
   Version 2.0, January 2004
   http://www.apache.org/licenses/
*/

* TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
 *
* 1. Definitions.
 *
* "License" shall mean the terms and conditions for use, reproduction,
* and distribution as defined by Sections 1 through 9 of this document.
 *
* "Licensor" shall mean the copyright owner or entity authorized by
* the copyright owner that is granting the License.
 *
* "Legal Entity" shall mean the union of the acting entity and all
* other entities that control, are controlled by, or are under common
* control with that entity. For the purposes of this definition,
* "control" means (i) the power, direct or indirect, to cause the
* direction or management of such entity, whether by contract or
* otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
* copyright license to reproduce, prepare Derivative Works of,
* publicly display, publicly perform, sublicense, and distribute the
* Work and such Derivative Works in Source or Object form.
*
* 3. Grant of Patent License. Subject to the terms and conditions of
* this License, each Contributor hereby grants to You a perpetual,
* worldwide, non-exclusive, no-charge, royalty-free, irrevocable
* (except as stated in this section) patent license to make, have made,
* use, offer to sell, sell, import, and otherwise transfer the Work,
* where such license applies only to those patent claims licensable
* by such Contributor that are necessarily infringed by their
* Contribution(s) alone or by combination of their Contribution(s)
* with the Work to which such Contribution(s) was submitted. If You
* institute patent litigation against any entity (including a
* cross-claim or counterclaim in a lawsuit) alleging that the Work
* or a Contribution incorporated within the Work constitutes direct
* or contributory patent infringement, then any patent licenses
* granted to You under this License for that Work shall terminate
* as of the date such litigation is filed.
*
* 4. Redistribution. You may reproduce and distribute copies of the
* Work or Derivative Works thereof in any medium, with or without
* modifications, and in Source or Object form, provided that You
* meet the following conditions:
*
* (a) You must give any other recipients of the Work or
* Derivative Works a copy of this License; and
*
* (b) You must cause any modified files to carry prominent notices
* stating that You changed the files; and
*
* (c) You must retain, in the Source form of any Derivative Works
* that You distribute, all copyright, patent, trademark, and
* attribution notices from the Source form of the Work,
* excluding those notices that do not pertain to any part of
* the Derivative Works; and
*
* (d) If the Work includes a "NOTICE" text file as part of its
* distribution, then any Derivative Works that You distribute must
* include a readable copy of the attribution notices contained
* within such NOTICE file, excluding those notices that do not
* pertain to any part of the Derivative Works, in at least one
* of the following places: within a NOTICE text file distributed
* as part of the Derivative Works; within the Source form or
* documentation, if provided along with the Derivative Works; or,
* within a display generated by the Derivative Works, if and
* wherever such third-party notices normally appear. The contents
* of the NOTICE file are for informational purposes only and
You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
your Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "["]
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

1.510 cracklib 2.9.6 15.el8
1.510.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
   51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations
below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.
For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.
For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes
a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)
"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.
11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms
of the ordinary General Public License).

To apply these terms, attach the following notices to the library.
It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This package was debianized by Jean Pierre LeJacq
<jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt
<martin@piware.de> was the package's maintainer up to version 2.7.19-1. The current maintainer is Jan Dittberner
<jandd@debian.org>.

It was downloaded from http://sourceforge.net/projects/cracklib
Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>,
Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

Modifications: Added cronjob, configuration file, and man pages.

This library is free software; you can redistribute it and/or modify
it under the terms of the GNU Lesser General Public License as
published by the Free Software Foundation; either version 2.1 of the
License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

A copy of the GNU Lesser General Public License 2.1 is available as
/usr/share/common-licenses/LGPL-2.1 in the Debian GNU/Linux
distribution or on the World Wide Web at
http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html. You can also
obtain it by writing to the Free Software Foundation, Inc., 51
Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Copyright information:

CrackLib was originally licensed with a variant of the Artistic
license. In the interests of wider acceptance and more modern
licensing, it was switched with the original author's blessing to GPL
v2.

This approval was carried out in email discussions in 2005, and has
been reconfirmed as of 2007-10-01 with the following email from Alec
Muffett. Cracklib's license was changed from the GPL to the LGPL after
consensus of all previous developers in October 2008, effective with
release 2.8.15 released on 2009-11-19. See the email discussion below
for both license changes.

-------------------------------------
-----------
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
in released code until Nov 2009 - slow release cycle...)
-----------

Discussion thread from mailing list archive, with approval from everyone actively
involved or holding original licensing rights included.
[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.=20

-- Nathan
=20
----------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
> >=20
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=GPL-2 ...
it was a modified artistic license ... i didn't notice the license change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which imo is just wrong. it isn't the place of a library to dictact to application writes what license they should be using.

thus LGPL-2.1 enters to fill this void.

=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20

------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

-----Original Message-----
From: cracklib-devel-bounces@li... On Behalf Of Mike Frysinger
Sent: Monday, October 01, 2007 8:33 PM
To: Neulinger, Nathan
Cc: cracklib-devel-bounces@li...; Alec Muffett
Subject: Re: [Cracklib-devel] cracklib license

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
> 
> > I understand that, and you're welcome to bring it up with Alec
> > directly
> > and see if he wants to relicense his code as LGPL... but at this
> point,
> > it was enough to just get it consistent and documented as to what
> > it was
> > released under. This wasn't actually a license change, just a
> > clarification of the licensing that was already in place.
> >=20
> > the original license (before moving to sourceforge -- aka, 2.7) was
> > not
> > GPL-2 ... it was a modified artistic license ... i didn't notice the
> > license
> > change until it was mentioned in the latest notes.
> >=20
> > unlike the old license, GPL-2 prevents people from using cracklib
> > unless their
> > applications are also GPL-2 which imo is just wrong. it isn't the
> > place of a
> > library to dictate to application writes what license they should
> > be using.
> > thus LGPL-2.1 enters to fill this void.
> > -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL....

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).
I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > > additional code, so whatever licensing y'all come up with is fine
> > by me.
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL....

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.
> I am sympathetic. Guys, what do you reckon?
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...
> My apologies for not chiming in in anything resembling a reasonable
timeframe.
> I'd also suggest the LGPL, for the reason you noted above. Alternately,
> GPLv2 with the option of using the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now?

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
> In any case, I thank you both for working on sorting this out.
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> make the change now?
yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...
-mike

-----------
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
-----------

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-------------------------------------
From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
    Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
    Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43) by scanin-ipsv.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47]) by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtrp020623
    for <nneul@umr.edu>; Mon, 01 Oct 2007 16:59:49 +0000
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142]) by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
    for <nneul@neulinger.org>; Mon, 01 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
    by rutherford.zen.co.uk with esmtp (Exim 4.50)
    id 1IcOcX-0004Qt-6L
    for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
> > ---------- Forwarded message ----------
> > From: Neulinger, Nathan <nneul@umr.edu>
> > Date: Sep 27, 2007 2:58 PM
> > Subject: RE: cracklib license
> > To: alecm@crypto.dircon.co.uk
> > > Any chance you could write me a self-contained email stating clearly
> > that the license is being changed to GPL, so I could include that
> > email
> > > in the repository and clean up the repository/tarballs? I have all the
> > original discussion, but something succinct and self contained
> > would be
> > > ideal.
> > The license for my code in the Cracklib distribution is henceforth GPL.
> >
> Happy now? :-)
>
> -a

---------
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
in released code until Nov 2009 - slow release cycle...)
---------

Discussion thread from mailing list archive, with approval from everyone actively
involved or holding original licensing rights included.
[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=

r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=mike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.=20

-- Nathan
=20
------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
>=20
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> =-mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
released under. This wasn’t actually a license change, just a clarification of the licensing that was already in place.

the original license (before moving to sourceforge - aka, 2.7) was not GPL-2... it was a modified artistic license... i didn’t notice the license change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which imo is just wrong. it isn’t the place of a library to dictate to application writes what license they should be using. thus LGPL-2.1 enters to fill this void.

-Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y’all want. I haven’t really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y’all come up with is fine by me.

-- Nathan

Nathan Neulinger
EMail: nneul@um...
University of Missouri - Rolla
Phone: (573) 341-6679
Fax: (573) 341-4216
Open Source Used In CSPC_Collector 2.9.1 5091

> it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.
> =20
> The original license (before moving to sourceforge -- aka, 2.7) was
> not
> GPL-2 ... it was a modified artistic license ... i didn't notice the
> license
> change until it was mentioned in the latest notes.
> =20
> Unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> applications are also GPL-2 which IMO is just wrong. It isn't the
> place of a
> library to dictate to application writes what license they should
> be using.
> Thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL....

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.
Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.
>
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately,
GPLv2 with the option of using the library under a later version of the
GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
bit of additional code, so whatever licensing y'all come up with is fine by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL....

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:

In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

yes. go for it. thanks++
Nathan Neulinger is the only one who can actually make said change ...

-mike

--------
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
--------

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

---------------------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
   Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
   Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43) by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47]) by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id I91Gxtpr020623 for <nneul@umr.edu>; Mon, 01 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142]) by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311 for <nneul@neulinger.org>; Mon, 01 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3]) by rutherford.zen.co.uk with esmtp (Exim 4.50)
   id 1IcOsX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
> ---------- Forwarded message ----------
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
> 
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self-contained
> would be
> ideal.
> 
The license for my code in the Cracklib distribution is henceforth GPL.
> 
> Happy now? :-)
> 
> -a

1.511 sed 4.5 1.el8

1.511.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <https://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to
use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.
An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.
The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.
You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.
7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is
governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work
occurring solely as a consequence of using peer-to-peer transmission
to receive a copy likewise does not require acceptance. However,
nothing other than this License grants you permission to propagate or
modify any covered work. These actions infringe copyright if you do
not accept this License. Therefore, by modifying or propagating a
covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically
receives a license from the original licensors, to run, modify and
propagate that work, subject to this License. You are not responsible
for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an
organization, or substantially all assets of one, or subdividing an
organization, or merging organizations. If propagation of a covered
work results from an entity transaction, each party to that
transaction who receives a copy of the work also receives whatever
licenses to the work the party's predecessor in interest had or could
give under the previous paragraph, plus a right to possession of the
Corresponding Source of the work from the predecessor in interest, if
the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the
rights granted or affirmed under this License. For example, you may
not impose a license fee, royalty, or other charge for exercise of
rights granted under this License, and you may not initiate litigation
(including a cross-claim or counterclaim in a lawsuit) alleging that
any patent claim is infringed by making, using, selling, offering for
sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The
work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims
owned or controlled by the contributor, whether already acquired or
hereafter acquired, that would be infringed by some manner, permitted
by this License, of making, using, or selling its contributor version,
but do not include claims that would be infringed only as a
consequence of further modification of the contributor version. For
purposes of this definition, "control" includes the right to grant
patent sublicenses in a manner consistent with the requirements of
this License.
Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.
Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.
Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively...
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <https://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<https://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read
1.512 json-java 1.0

1.513 apache-log4j 2.13.3

1.513.1 Available under license:

Apache Log4j Core
Copyright 1999-2012 Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

ResolverUtil.java
Copyright 2005-2006 Tim Fennell

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of Your accepting any such warranty or additional liability.
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright 1999-2005 The Apache Software Foundation

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.514 perl-xml-simple 2.25-1.el8

1.514.1 Available under license:

This software is copyright (c) 2018 by Grant McLean.

This is free software; you can redistribute it and/or modify it under the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 2018 by Grant McLean.

This is free software, licensed under:
The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original
authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.
d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

> <one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

> Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 2018 by Grant McLean.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.
d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.515 lz4 1.8.1.2 4.el8

1.515.1 Available under license:

This repository uses 2 different licenses:
- all files in the `lib` directory use a BSD 2-Clause license
- all other files use a GPLv2 license, unless explicitly stated otherwise

Relevant license is reminded at the top of each source file, and with presence of COPYING or LICENSE file in associated directories.

This model is selected to emphasize that files in the `lib` directory are designed to be included into 3rd party applications, while all other files, in `programs`, `tests` or `examples`, receive more limited attention and support for such scenario.

LZ4 Library
Copyright (c) 2011-2016, Yann Collet
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and “any
later version”, you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

Copyright (c) 2014, lpsantil
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
1.516 appengine-api-labs 1.9.84

1.516.1 Available under license:

No license file was found, but licenses were detected in source scan.

/ *
* Copyright (C) 2009 The Guava Authors
* *
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* *
* http://www.apache.org/licenses/LICENSE-2.0
* *
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1130592330_1617952855.92/0/appengine-api-labs-1-8-3-1-jar/com/google/appengine/labs/repackaged/com/google/common/base/super/com/google/common/base/Splitter.java
* /opt/cola/permits/1130592330_1617952855.92/0/appengine-api-labs-1-8-3-1-jar/com/google/appengine/labs/repackaged/com/google/common/base/super/com/google/common/base/Platform.java

No license file was found, but licenses were detected in source scan.

/ *
* Copyright (C) 2008 The Guava Authors
* *
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* *
* http://www.apache.org/licenses/LICENSE-2.0
* *
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1130592330_1617952855.92/0/appengine-api-labs-1-8-3-1-jar/com/google/appengine/labs/repackaged/com/google/common/base/super/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1130592330_1617952855.92/0/appengine-api-labs-1-8-3-1-jar/com/google/appengine/labs/repackaged/com/google/common/base/super/com/google/common/base/Stopwatch.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2005 Google Inc.
* All Rights Reserved.
*/

Found in path(s):
* /opt/cola/permits/1130592330_1617952855.92/0/appengine-api-labs-1-8-3-1-jar/com/google/appengine/labs/repackaged/com/google/common/util/super/com/google/common/util/StringEncoding.java
No license file was found, but licenses were detected in source scan.

// Copyright 2009 Google Inc. All Rights Reserved.

Found in path(s):
* /opt/cola/permits/1130592330_1617952855.92/0/appengine-api-labs-1-8-3-1-jar/apphosting/ext/appstats/static/gantt.js
No license file was found, but licenses were detected in source scan.

/*
* Copyright (C) 2007 The Guava Authors
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
* http://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1130592330_1617952855.92/0/appengine-api-labs-1-8-3-1-
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2011 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License";
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 *
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1130592330_1617952855.92/0/appengine-api-labs-1-8-3-1-
  jar/com/google/appengine/labs/repackaged/com/google/common/base/super/com/google/common/base/Enums.java
No license file was found, but licenses were detected in source scan.

/* Copyright 2008-10 Google Inc. All Rights Reserved. */ (function(){var
f,l=this,aa=function(){},ba=function(a){a.ca=function(){return a.Eb?a.Eb:a.Eb=new a}));c=Object.prototype.toString.call(a);if("object Window["==c)return"object";if("object
Array["==c]"number"=typeof a.length;&"undefined"=typeof a.splice;&"undefined"=typeof
a.propertyIsEnumerable&&a.propertyIsEnumerable("splice").return"array";if("[object
Function]"==c]"undefined"=l=

Found in path(s):
* /opt/cola/permits/1130592330_1617952855.92/0/appengine-api-labs-1-8-3-1-
  jar/apphosting/ext/appstats/static/appstats_css.css
No license file was found, but licenses were detected in source scan.

/* Copyright 2013 Google Inc. All Rights Reserved. */

Found in path(s):
* /opt/cola/permits/1130592330_1617952855.92/0/appengine-api-labs-1-8-3-1-
  jar/apphosting/ext/appstats/static/appstats_js.js
No license file was found, but licenses were detected in source scan.
1.517 activemq-kahadb-store 5.15.14

1.517.1 Available under license:

ActiveMQ :: KahaDB Store
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work.
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.518 pigz 2.4 2.el8
1.518.1 Available under license :

Mark Adler
Jyrki Alakuijala
Frédéric Kayser
Daniel Reed
Huzaifa Sidhpurwala
Pter Szab
Lode Vandevenne

    Apache License
    Version 2.0, January 2004
    http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright 2011 Google Inc.

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.519.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of
this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.
We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.
In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.
This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.
"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.
The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do
not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is
released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product,
doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you
add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly
provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever
licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner
consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.
Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.
IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.
Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an ”about box”.

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.520 libpsl 0.20.2 5.el8
1.520.1 Available under license :
Copyright (C) 2014-2015 Tim Rhsen

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER
DEALINGS IN THE SOFTWARE.
Copyright (C) 2014-2018 Tim Rhsen

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

* The following License is for the source code files
  psl-make-dafsa and lookup_string_in_fixed_set.c.

// Copyright 2015 The Chromium Authors. All rights reserved.
//
// Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
//
// * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
// * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
// * Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
//
// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
1.521 libnsl2 1.2.0 2.20180605git4a062cf.el8

1.521.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means
all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and
“any later version”, you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.
14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.522 derbylocale-cs 10.14.2.0

1.522.1 Available under license:

====================================================================
== NOTICE file corresponding to section 4(d) of the Apache License,==
== Version 2.0, in this case for the Apache Derby distribution.==
== DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED==
== BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE.==
====================================================================

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).
Portions of Derby were originally developed by International Business Machines Corporation and are licensed to the Apache Software Foundation under the "Software Grant and Corporate Contribution License Agreement", informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code with which this file is now or was at one time distributed and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

The portion of the functionTests under 'nist' was originally developed by the National Institute of Standards and Technology (NIST), an agency of the United States Department of Commerce, and adapted by International Business Machines Corporation in accordance with the NIST Software Acknowledgment and Redistribution document at http://www.itl.nist.gov/div897/ctg/sql_form.htm

The Derby build relies on source files supplied by the Apache Felix project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at The Apache Software Foundation (http://www.apache.org/). Licensed under the Apache License 2.0.

This product includes software developed at The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002, 2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
- Apache License 2.0
- BSD License

=========================================================================

The Derby build relies on jar files supplied by the Apache Lucene
project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects,
including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license
and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such
as the Unicode Character Database. See http://unicode.org/copyright.html for more
details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/
The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0. See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0. See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin g Package (jaspell): http://jaspell.sourceforge.net/ License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in analysis/common/src/java/net/sf/snowball were developed by Martin Porter and Richard Boulton. The snowball stopword lists in analysis/common/src/resources/org/apache/lucene/analysis/snowball were developed by Martin Porter and Richard Boulton. The full snowball package is available from http://snowball.tartarus.org/

The KStem stemmer in analysis/common/src/org/apache/lucene/analysis/en was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.


The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in: analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/słownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from
http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST),
the copyright holders, disclaims all warranties with regard to this
software, including all implied warranties of merchantability and
fitness, in no event shall NAIST be liable for
any special, indirect or consequential damages or any damages
whatsoever resulting from loss of use, data or profits, whether in an
action of contract, negligence or other tortuous action, arising out
of or in connection with the use or performance of this software.

A large portion of the dictionary entries
originate from ICOT Free Software. The following conditions for ICOT
Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its
original form or modified, to any third party or parties, PROVIDED
that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
on, or be attached to, the Program, which is distributed substantially
in the same form as set out herein and that such intended
distribution, if actually made, will neither violate or otherwise
contravene any of the laws and regulations of the countries having
jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the
research and development conducted during the project and is provided
to users as so produced on an experimental basis. Accordingly, the
program is provided without any warranty whatsoever, whether express,
implied, statutory or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality,
performance, merchantability and fitness for a particular purpose of
the program and the nonexistence of any infringement or violation of
any right of any third party.

Each user of the program will agree and understand, and be deemed to
have agreed and understood, that there is no warranty whatsoever for
the program and, accordingly, the entire risk arising from or
otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

========================================================================= The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/. The JSON simple jar file is licensed under the Apache 2.0 License. No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.523 jersey 2.27
This content is produced and maintained by Oracle and/or its affiliates. All rights reserved.

- Project home: https://jersey.github.io

== Declared Project Licenses

This program and the accompanying materials are made available under the terms of dual license of
- COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL - Version 1.1) available at
  https://oss.oracle.com/licenses/CDDL+GPL-1.1
- GNU General Public License (GPL - Version 2, June 1991) with the "Classpath Exception"

- The GNU General Public License (GPL) Version 2, June 1991
- Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street,
  Fifth Floor Boston, MA 02110-1335 USA
- Everyone is permitted to copy and distribute verbatim copies of this
  license document, but changing it is not allowed.
- Preamble
- The licenses for most software are designed to take away your freedom to
  share and change it. By contrast, the GNU General Public License is
  intended to guarantee your freedom to share and change free software--to
  make sure the software is free for all its users. This General Public License
  applies to most of the Free Software Foundation's software and
  to any other program whose authors commit to using it. (Some other Free
  Software Foundation software is covered by the GNU Library General
  Public License instead.) You can apply it to your programs, too.
- When we speak of free software, we are referring to freedom, not price.
- Our General Public Licenses are designed to make sure that you have the
  freedom to distribute copies of free software (and charge for this
  service if you wish), that you receive source code or can get it if you
  want it, that you can change the software or use pieces of it in new
  free programs; and that you know you can do these things.
- To protect your rights, we need to make restrictions that forbid anyone
  to deny you these rights or to ask you to surrender the rights. These
  restrictions translate to certain responsibilities for you if you
  distribute copies of the software, or if you modify it.
- For example, if you distribute copies of such a program, whether gratis
  or for a fee, you must give the recipients all the rights that you have.
- You must make sure that they, too, receive or can get the source code.
- And you must show them these terms so they know their rights.
* We protect your rights with two steps: (1) copyright the software, and
* (2) offer you this license which gives you legal permission to copy,
* distribute and/or modify the software.
*
* Also, for each author's protection and ours, we want to make certain
* that everyone understands that there is no warranty for this free
* software. If the software is modified by someone else and passed on, we
* want its recipients to know that what they have is not the original, so
* that any problems introduced by others will not reflect on the original
* authors' reputations.
*
* Finally, any free program is threatened constantly by software patents.
* We wish to avoid the danger that redistributors of a free program will
* individually obtain patent licenses, in effect making the program
* proprietary. To prevent this, we have made it clear that any patent must
* be licensed for everyone's free use or not licensed at all.
*
* The precise terms and conditions for copying, distribution and
* modification follow.
*
* TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
*
* 0. This License applies to any program or other work which contains a
* notice placed by the copyright holder saying it may be distributed under
* the terms of this General Public License. The "Program", below, refers
* to any such program or work, and a "work based on the Program" means
* either the Program or any derivative work under copyright law: that is
* to say, a work containing the Program or a portion of it, either
* verbatim or with modifications and/or translated into another language.
* (Hereinafter, translation is included without limitation in the term
* "modification"). Each licensee is addressed as "you".
*
* Activities other than copying, distribution and modification are not
* covered by this License; they are outside its scope. The act of running
* the Program is not restricted, and the output from the Program is
* covered only if its contents constitute a work based on the Program
* (independent of having been made by running the Program). Whether that
* is true depends on what the Program does.
*
* 1. You may copy and distribute verbatim copies of the Program's source
* code as you receive it, in any medium, provided that you conspicuously
* and appropriately publish on each copy an appropriate copyright notice
* and disclaimer of warranty; keep intact all the notices that refer to
* this License and to the absence of any warranty; and give any other
* recipients of the Program a copy of this License along with the Program.
*
* You may charge a fee for the physical act of transferring a copy, and
* you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the
* Program or works based on it.
* 
* 6. Each time you redistribute the Program (or any work based on the
* Program), the recipient automatically receives a license from the
* original licensor to copy, distribute or modify the Program subject to
* these terms and conditions. You may not impose any further restrictions
* on the recipients' exercise of the rights granted herein. You are not
* responsible for enforcing compliance by third parties to this License.
* 
* 7. If, as a consequence of a court judgment or allegation of patent
* infringement or for any other reason (not limited to patent issues),
* conditions are imposed on you (whether by court order, agreement or
* otherwise) that contradict the conditions of this License, they do not
* excuse you from the conditions of this License. If you cannot distribute
* so as to satisfy simultaneously your obligations under this License and
* any other pertinent obligations, then as a consequence you may not
* distribute the Program at all. For example, if a patent license would
* not permit royalty-free redistribution of the Program by all those who
* receive copies directly or indirectly through you, then the only way you
* could satisfy both it and this License would be to refrain entirely from
* distribution of the Program.
* 
* If any portion of this section is held invalid or unenforceable under
* any particular circumstance, the balance of the section is intended to
* apply and the section as a whole is intended to apply in other
* circumstances.
* 
* It is not the purpose of this section to induce you to infringe any
* patents or other property right claims or to contest validity of any
* such claims; this section has the sole purpose of protecting the
* integrity of the free software distribution system, which is implemented
* by public license practices. Many people have made generous
* contributions to the wide range of software distributed through that
* system in reliance on consistent application of that system; it is up to
* the author/donor to decide if he or she is willing to distribute
* software through any other system and a licensee cannot impose that
* choice.
* 
* This section is intended to make thoroughly clear what is believed to be
* a consequence of the rest of this License.
* 
* 8. If the distribution and/or use of the Program is restricted in
* certain countries either by patents or by copyrighted interfaces, the
* original copyright holder who places the Program under this License may
* add an explicit geographical distribution limitation excluding those
* countries, so that distribution is permitted only in or among countries
* not thus excluded. In such case, this License incorporates the
* limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

Open Source Used In CSPC_Collector 2.9.1 5195
* If you develop a new program, and you want it to be of the greatest
* possible use to the public, the best way to achieve this is to make it
* free software which everyone can redistribute and change under these
* terms.
*
* To do so, attach the following notices to the program. It is safest to
* attach them to the start of each source file to most effectively convey
* the exclusion of warranty; and each file should have at least the
* "copyright" line and a pointer to where the full notice is found.
*
* One line to give the program's name and a brief idea of what it does.
* Copyright (C) <year> <name of author>
*
* This program is free software; you can redistribute it and/or modify it
* under the terms of the GNU General Public License as published by the
* Free Software Foundation; either version 2 of the License, or (at your
* option) any later version.
*
* This program is distributed in the hope that it will be useful, but
* WITHOUT ANY WARRANTY; without even the implied warranty of
* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General
* Public License for more details.
*
* You should have received a copy of the GNU General Public License along
* with this program; if not, write to the Free Software Foundation, Inc.,
* 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
*
* Also add information on how to contact you by electronic and paper mail.
*
* If the program is interactive, make it output a short notice like this
* when it starts in an interactive mode:
*
* Gnomovision version 69, Copyright (C) year name of author Gnomovision
* comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is
* free software, and you are welcome to redistribute it under certain
* conditions; type `show c' for details.
*
* The hypothetical commands `show w' and `show c' should show the
* appropriate parts of the General Public License. Of course, the commands
* you use may be called something other than `show w' and `show c'; they
* could even be mouse-clicks or menu items--whatever suits your program.
*
* You should also get your employer (if you work as a programmer) or your
* school, if any, to sign a "copyright disclaimer" for the program, if
* necessary. Here is a sample; alter the names:
*
* Yoyodyne, Inc., hereby disclaims all copyright interest in the program
* "Gnomovision" (which makes passes at compilers) written by James Hacker.
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Oracle America, Inc. and/or its affiliates are subject to the following clarification and special exception to the GPLv2, based on the GNU Project exception for its Classpath libraries, known as the GNU Classpath Exception, but only where Oracle has expressly included in the particular source file's header the words "Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the LICENSE file that accompanied this code."

You should also note that Oracle includes multiple, independent programs in this software package. Some of those programs are provided under licenses deemed incompatible with the GPLv2 by the Free Software Foundation and others. For example, the package includes programs licensed under the Apache License, Version 2.0. Such programs are licensed to you under their original licenses. Oracle facilitates your further distribution of this package by adding the Classpath Exception to the necessary parts of its GPLv2 code, which permits you to use that code in combination with other independent modules not licensed under the GPLv2. However, note that this would not permit you to commingle code under an incompatible license with Oracle's GPLv2 licensed code by, for example, cutting and pasting such code into a file also containing Oracle's GPLv2 licensed code and then distributing the result. Additionally, if you were to remove the Classpath Exception from any of the files to which it applies and distribute the result, you would likely be required to license some or all of the other code in that distribution under the GPLv2 as well, and since the GPLv2 is incompatible with the license terms of some items included in the distribution by Oracle, removing the Classpath Exception could therefore effectively compromise your ability to further distribute the package.

Proceed with caution and we recommend that you obtain the advice of a lawyer skilled in open source matters before removing the Classpath Exception or making modifications to this package which may subsequently be redistributed and/or involve the use of third party software.

CLASSPATH EXCEPTION

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU
* General Public License version 2 cover the whole combination.

* As a special exception, the copyright holders of this library give you
  * permission to link this library with independent modules to produce an
  * executable, regardless of the license terms of these independent modules, and
  * to copy and distribute the resulting executable under terms of your choice,
  * provided that you also meet, for each linked independent module, the terms and
  * conditions of the license of that module. An independent module is a module
  * which is not derived from or based on this library. If you modify this library,
  * you may extend this exception to your version of the library, but you are not
  * obligated to do so. If you do not wish to do so, delete this exception
  * statement from your version.

== Source Code

* [https://github.com/jersey/jersey.git](https://github.com/jersey/jersey.git)

== Copyright Holders

Copyright (c) 2013-2018 Oracle and/or its affiliates. All rights reserved.

== Third party technology that may be necessary for use with
this program is identified below and licensed under the terms of
the third party technology license agreement specified and
not under GPLv2 with Classpath Exception or CDDL.

org.glassfish.jersey.server.internal.monitoring.core
  * License: Apache License, 2.0
  * Copyright (c) 2015-2018 Oracle and/or its affiliates. All rights reserved.
  * Copyright 2010-2013 Coda Hale and Yammer, Inc.

  * Apache License
  *     Version 2.0, January 2004
  *     http://www.apache.org/licenses/

  * TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
  *
  * 1. Definitions.
  *
  * "License" shall mean the terms and conditions for use, reproduction,
  * and distribution as defined by Sections 1 through 9 of this document.

  * "Licenser" shall mean the copyright owner or entity authorized by
  * the copyright owner that is granting the License.

  * "Legal Entity" shall mean the union of the acting entity and all
  * other entities that control, are controlled by, or are under common
  * control with that entity. For the purposes of this definition,

---

Open Source Used In CSPC_Collector 2.9.1 5198
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
you may add Your own copyright statement to Your modifications.
Any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, absent any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all

other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This content is produced and maintained by Oracle and/or its affiliates. All rights reserved.

Project home: https://jersey.github.io

== Declared Project Licenses

This program and the accompanying materials are made available under the terms of dual license of
- COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL - Version 1.1) available at https://oss.oracle.com/licenses/CDDL+GPL-1.1
- GNU General Public License (GPL - Version 2, June 1991) with the "Classpath Exception"

* The GNU General Public License (GPL) Version 2, June 1991
* Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street,
  Fifth Floor Boston, MA 02110-1335 USA
* Everyone is permitted to copy and distribute verbatim copies of this
  license document, but changing it is not allowed.
* Preamble
* The licenses for most software are designed to take away your freedom to
  share and change it. By contrast, the GNU General Public License is
  intended to guarantee your freedom to share and change free software--to
  make sure the software is free for all its users. This General Public
  License applies to most of the Free Software Foundation's software and
  to any other program whose authors commit to using it. (Some other Free
  Software Foundation software is covered by the GNU Library General
* Public License instead.) You can apply it to your programs, too.
 *
* When we speak of free software, we are referring to freedom, not price.
* Our General Public Licenses are designed to make sure that you have the
* freedom to distribute copies of free software (and charge for this
* service if you wish), that you receive source code or can get it if you
* want it, that you can change the software or use pieces of it in new
* free programs; and that you know you can do these things.
 *
* To protect your rights, we need to make restrictions that forbid anyone
* to deny you these rights or to ask you to surrender the rights. These
* restrictions translate to certain responsibilities for you if you
* distribute copies of the software, or if you modify it.
 *
* For example, if you distribute copies of such a program, whether gratis
* or for a fee, you must give the recipients all the rights that you have.
* You must make sure that they, too, receive or can get the source code.
* And you must show them these terms so they know their rights.
 *
* We protect your rights with two steps: (1) copyright the software, and
* (2) offer you this license which gives you legal permission to copy,
* distribute and/or modify the software.
 *
* Also, for each author's protection and ours, we want to make certain
* that everyone understands that there is no warranty for this free
* software. If the software is modified by someone else and passed on, we
* want its recipients to know that what they have is not the original, so
* that any problems introduced by others will not reflect on the original
* authors' reputations.
 *
* Finally, any free program is threatened constantly by software patents.
* We wish to avoid the danger that redistributors of a free program will
* individually obtain patent licenses, in effect making the program
* proprietary. To prevent this, we have made it clear that any patent must
* be licensed for everyone's free use or not licensed at all.
 *
* The precise terms and conditions for copying, distribution and
* modification follow.
 *
* TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
 *
* 0. This License applies to any program or other work which contains a
* notice placed by the copyright holder saying it may be distributed under
* the terms of this General Public License. The "Program", below, refers
* to any such program or work, and a "work based on the Program" means
* either the Program or any derivative work under copyright law: that is
* to say, a work containing the Program or a portion of it, either
* verbatim or with modifications and/or translated into another language.
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
* distribute the same sections as part of a whole which is a work based on
* the Program, the distribution of the whole must be on the terms of this
* License, whose permissions for other licensees extend to the entire
* whole, and thus to each and every part regardless of who wrote it.
*
* Thus, it is not the intent of this section to claim rights or contest
* your rights to work written entirely by you; rather, the intent is to
* exercise the right to control the distribution of derivative or
* collective works based on the Program.
*
* In addition, mere aggregation of another work not based on the Program
* with the Program (or with a work based on the Program) on a volume of a
* storage or distribution medium does not bring the other work under the
* scope of this License.
*
* 3. You may copy and distribute the Program (or a work based on it, under
* Section 2) in object code or executable form under the terms of Sections
* 1 and 2 above provided that you also do one of the following:
*
*     a) Accompany it with the complete corresponding machine-readable source
*     code, which must be distributed under the terms of Sections 1 and 2
*     above on a medium customarily used for software interchange; or,
*
*     b) Accompany it with a written offer, valid for at least three years, to
*     give any third party, for a charge no more than your cost of physically
*     performing source distribution, a complete machine-readable copy of the
*     corresponding source code, to be distributed under the terms of Sections
*     1 and 2 above on a medium customarily used for software interchange; or,
*
*     c) Accompany it with the information you received as to the offer to
*     distribute corresponding source code. (This alternative is allowed only
*     for noncommercial distribution and only if you received the program in
*     object code or executable form with such an offer, in accord with
*     Subsection b above.)
*
* The source code for a work means the preferred form of the work for
* making modifications to it. For an executable work, complete source code
* means all the source code for all modules it contains, plus any
* associated interface definition files, plus the scripts used to control
* compilation and installation of the executable. However, as a special
* exception, the source code distributed need not include anything that is
* normally distributed (in either source or binary form) with the major
* components (compiler, kernel, and so on) of the operating system on
* which the executable runs, unless that component itself accompanies the
* executable.
*
* If distribution of executable or object code is made by offering access
* to copy from a designated place, then offering equivalent access to copy
* the source code from the same place counts as distribution of the source
* code, even though third parties are not compelled to copy the source
* along with the object code.
*
* 4. You may not copy, modify, sublicense, or distribute the Program
* except as expressly provided under this License. Any attempt otherwise
* to copy, modify, sublicense or distribute the Program is void, and will
* automatically terminate your rights under this License. However, parties
* who have received copies, or rights, from you under this License will
* not have their licenses terminated so long as such parties remain in
* full compliance.
*
* 5. You are not required to accept this License, since you have not
* signed it. However, nothing else grants you permission to modify or
* distribute the Program or its derivative works. These actions are
* prohibited by law if you do not accept this License. Therefore, by
* modifying or distributing the Program (or any work based on the
* Program), you indicate your acceptance of this License to do so, and all
* its terms and conditions for copying, distributing or modifying the
* Program or works based on it.
*
* 6. Each time you redistribute the Program (or any work based on the
* Program), the recipient automatically receives a license from the
* original licensor to copy, distribute or modify the Program subject to
* these terms and conditions. You may not impose any further restrictions
* on the recipients' exercise of the rights granted herein. You are not
* responsible for enforcing compliance by third parties to this License.
*
* 7. If, as a consequence of a court judgment or allegation of patent
* infringement or for any other reason (not limited to patent issues),
* conditions are imposed on you (whether by court order, agreement or
* otherwise) that contradict the conditions of this License, they do not
* excuse you from the conditions of this License. If you cannot distribute
* so as to satisfy simultaneously your obligations under this License and
* any other pertinent obligations, then as a consequence you may not
* distribute the Program at all. For example, if a patent license would
* not permit royalty-free redistribution of the Program by all those who
* receive copies directly or indirectly through you, then the only way you
* could satisfy both it and this License would be to refrain entirely from
* distribution of the Program.
*
* If any portion of this section is held invalid or unenforceable under
* any particular circumstance, the balance of the section is intended to
* apply and the section as a whole is intended to apply in other
* circumstances.
*
* It is not the purpose of this section to induce you to infringe any
* patents or other property right claims or to contest validity of any
* such claims; this section has the sole purpose of protecting the
* integrity of the free software distribution system, which is implemented
* by public license practices. Many people have made generous
* contributions to the wide range of software distributed through that
* system in reliance on consistent application of that system; it is up to
* the author/donor to decide if he or she is willing to distribute
* software through any other system and a licensee cannot impose that
* choice.
*
* This section is intended to make thoroughly clear what is believed to be
* a consequence of the rest of this License.
*
* 8. If the distribution and/or use of the Program is restricted in
* certain countries either by patents or by copyrighted interfaces, the
* original copyright holder who places the Program under this License may
* add an explicit geographical distribution limitation excluding those
* countries, so that distribution is permitted only in or among countries
* not thus excluded. In such case, this License incorporates the
* limitation as if written in the body of this License.
*
* 9. The Free Software Foundation may publish revised and/or new versions
* of the General Public License from time to time. Such new versions will
* be similar in spirit to the present version, but may differ in detail to
* address new problems or concerns.
*
* Each version is given a distinguishing version number. If the Program
* specifies a version number of this License which applies to it and "any
* later version", you have the option of following the terms and
* conditions either of that version or of any later version published by
* the Free Software Foundation. If the Program does not specify a version
* number of this License, you may choose any version ever published by the
* Free Software Foundation.
*
* 10. If you wish to incorporate parts of the Program into other free
* programs whose distribution conditions are different, write to the
* author to ask for permission. For software which is copyrighted by the
* Free Software Foundation, write to the Free Software Foundation; we
* sometimes make exceptions for this. Our decision will be guided by the
* two goals of preserving the free status of all derivates of our free
* software and of promoting the sharing and reuse of software generally.
*
* NO WARRANTY
*
* 11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
* FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
* OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
* PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER
* EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE
* ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH
* YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL
* NECESSARY SERVICING, REPAIR OR CORRECTION.
*
* 12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
* WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
* AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR
* DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL
* DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM
* (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED
* INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF
* THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR
* OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
*
* END OF TERMS AND CONDITIONS
*
* How to Apply These Terms to Your New Programs
*
* If you develop a new program, and you want it to be of the greatest
* possible use to the public, the best way to achieve this is to make it
* free software which everyone can redistribute and change under these
* terms.
*
* To do so, attach the following notices to the program. It is safest to
* attach them to the start of each source file to most effectively convey
* the exclusion of warranty; and each file should have at least the
* "copyright" line and a pointer to where the full notice is found.
*
* One line to give the program's name and a brief idea of what it does.
* Copyright (C) <year> <name of author>
*
* This program is free software; you can redistribute it and/or modify it
* under the terms of the GNU General Public License as published by the
* Free Software Foundation; either version 2 of the License, or (at your
* option) any later version.
*
* This program is distributed in the hope that it will be useful, but
* WITHOUT ANY WARRANTY; without even the implied warranty of
* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General
* Public License for more details.
*
* You should have received a copy of the GNU General Public License along
* with this program; if not, write to the Free Software Foundation, Inc.,
* 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
*
* Also add information on how to contact you by electronic and paper mail.
*
* If the program is interactive, make it output a short notice like this
* when it starts in an interactive mode:
*
* Gnomovision version 69, Copyright (C) year name of author Gnomovision
* comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is
* free software, and you are welcome to redistribute it under certain
* conditions; type `show c' for details.
* 
* The hypothetical commands `show w' and `show c' should show the
* appropriate parts of the General Public License. Of course, the commands
* you use may be called something other than `show w' and `show c'; they
* could even be mouse-clicks or menu items--whatever suits your program.
* 
* You should also get your employer (if you work as a programmer) or your
* school, if any, to sign a "copyright disclaimer" for the program, if
* necessary. Here is a sample; alter the names:
* 
* Yoyodyne, Inc., hereby disclaims all copyright interest in the program
* `Gnomovision' (which makes passes at compilers) written by James Hacker.
* 
* signature of Ty Coon, 1 April 1989
* Ty Coon, President of Vice
* 
* This General Public License does not permit incorporating your program
* into proprietary programs. If your program is a subroutine library, you
* may consider it more useful to permit linking proprietary applications
* with the library. If this is what you want to do, use the GNU Library
* General Public License instead of this License.
*
*
* "CLASSPATH" EXCEPTION TO THE GPL VERSION 2
*
* Certain source files distributed by Oracle America, Inc. and/or its affiliates
* are subject to the following clarification and special exception to the GPLv2,
* based on the GNU Project exception for its Classpath libraries, known as the
* GNU Classpath Exception, but only where Oracle has expressly included in the
* particular source file's header the words "Oracle designates this particular
* file as subject to the "Classpath" exception as provided by Oracle in the
* LICENSE file that accompanied this code."
* You should also note that Oracle includes multiple, independent programs in
* this software package. Some of those programs are provided under licenses
* deemed incompatible with the GPLv2 by the Free Software Foundation and others.
* For example, the package includes programs licensed under the Apache License,
* Version 2.0. Such programs are licensed to you under their original licenses.
* Oracle facilitates your further distribution of this package by adding the
* Classpath Exception to the necessary parts of its GPLv2 code, which permits you
* to use that code in combination with other independent modules not licensed
* under the GPLv2. However, note that this would not permit you to commingle
* code under an incompatible license with Oracle's GPLv2 licensed code by, for
* example, cutting and pasting such code into a file also containing Oracle's
* GPLv2 licensed code and then distributing the result. Additionally, if you
* were to remove the Classpath Exception from any of the files to which it
* applies and distribute the result, you would likely be required to license
* some or all of the other code in that distribution under the GPLv2 as well,
* and since the GPLv2 is incompatible with the license terms of some items
* included in the distribution by Oracle, removing the Classpath Exception could
* therefore effectively compromise your ability to further distribute the package.
*
* Proceed with caution and we recommend that you obtain the advice of a lawyer
* skilled in open source matters before removing the Classpath Exception or
* making modifications to this package which may subsequently be redistributed
* and/or involve the use of third party software.
*
* CLASSPATH EXCEPTION
* Linking this library statically or dynamically with other modules is making a
* combined work based on this library. Thus, the terms and conditions of the GNU
* General Public License version 2 cover the whole combination.
*
* As a special exception, the copyright holders of this library give you
* permission to link this library with independent modules to produce an
* executable, regardless of the license terms of these independent modules, and
* to copy and distribute the resulting executable under terms of your choice,
* provided that you also meet, for each linked independent module, the terms and
* conditions of the license of that module. An independent module is a module
* which is not derived from or based on this library. If you modify this library,
* you may extend this exception to your version of the library, but you are not
* obligated to do so. If you do not wish to do so, delete this exception
* statement from your version.

== Source Code
*
* https://github.com/jersey/jersey.git

== Copyright Holders

Copyright (c) 2013-2018 Oracle and/or its affiliates. All rights reserved.

== Third party technology that may be necessary for use with
this program is identified below and licensed under the terms of
the third party technology license agreement specified and
not under GPLv2 with Classpath Exception or CDDL.

aopalliance Version 1
* License: all the source code provided by AOP Alliance is Public Domain.
* Copyright: Material in the public domain is not protected by copyright

CDI API Version 1.1
* License: Apache License, 2.0
* Project: http://www.seamframework.org/Weld
* Copyright 2010, Red Hat, Inc., and individual contributors by the @authors tag.

Google Guava Version 18.0
* License: Apache License, 2.0
* Copyright (C) 2009 The Guava Authors

javax.inject Version: 1
* License: Apache License, 2.0
* Copyright (C) 2009 The JSR-330 Expert Group

Javassist Version 3.22.0-CR2
* License: Apache License, 2.0
* Project: http://www.javassist.org/
* Copyright (C) 1999- Shigeru Chiba. All Rights Reserved.

Java(TM) EE Interceptors 1.1 API Version 1.0.0.Beta1
* License: LGPL 2.1
* Copyright 2005, JBoss Inc., and individual contributors as indicated by the @authors tag.

JSR-166 Extension - JEP 266
* License: CC0
* No copyright
* Written by Doug Lea with assistance from members of JCP JSR-166
* Expert Group and released to the public domain, as explained at
* http://creativecommons.org/publicdomain/zero/1.0/
* 
* Creative Commons Legal Code
* 
* CC0 1.0 Universal
* 
* CREATIVCE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE
* LEGAL SERVICES. DISTRIBUTION OF THIS DOCUMENT DOES NOT CREATE AN
* ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS
* INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES
* REGARDING THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS
* PROVIDED HEREUNDER, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM
* THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED
* HEREUNDER.
* 
* Statement of Purpose
* 
* The laws of most jurisdictions throughout the world automatically confer
* exclusive Copyright and Related Rights (defined below) upon the creator
* and subsequent owner(s) (each and all, an "owner") of an original work of
* authorship and/or a database (each, a "Work").
*
* Certain owners wish to permanently relinquish those rights to a Work for
* the purpose of contributing to a commons of creative, cultural and
* scientific works ("Commons") that the public can reliably and without fear
* of later claims of infringement build upon, modify, incorporate in other
* works, reuse and redistribute as freely as possible in any form whatsoever
* and for any purposes, including without limitation commercial purposes.
* These owners may contribute to the Commons to promote the ideal of a free
* culture and the further production of creative, cultural and scientific
* works, or to gain reputation or greater distribution for their Work in
* part through the use and efforts of others.
*
* For these and/or other purposes and motivations, and without any
* expectation of additional consideration or compensation, the person
* associating CC0 with a Work (the "Affirmer"), to the extent that he or she
* is an owner of Copyright and Related Rights in the Work, voluntarily
* elects to apply CC0 to the Work and publicly distribute the Work under its
* terms, with knowledge of his or her Copyright and Related Rights in the
* Work and the meaning and intended legal effect of CC0 on those rights.
*
* 1. Copyright and Related Rights. A Work made available under CC0 may be
* protected by copyright and related or neighboring rights ("Copyright and
* Related Rights"). Copyright and Related Rights include, but are not
* limited to, the following:
*   i. the right to reproduce, adapt, distribute, perform, display,
*      communicate, and translate a Work;
*   ii. moral rights retained by the original author(s) and/or performert(s);
*   iii. publicity and privacy rights pertaining to a person's image or
*      likeness depicted in a Work;
*   iv. rights protecting against unfair competition in regards to a Work,
*      subject to the limitations in paragraph 4(a), below;
*   v. rights protecting the extraction, dissemination, use and reuse of data
*      in a Work;
*   vi. database rights (such as those arising under Directive 96/9/EC of the
*      protection of databases, and under any national implementation
*      thereof, including any amended or successor version of such
*      directive); and
*   vii. other similar, equivalent or corresponding rights throughout the
*      world based on applicable law or treaty, and any national
*      implementations thereof.
*
* 2. Waiver. To the greatest extent permitted by, but not in contravention
* of, applicable law, Affirmer hereby overtly, fully, permanently,
* irrevocably and unconditionally waives, abandons, and surrenders all of
* Affirmer's Copyright and Related Rights and associated claims and causes
* of action, whether now known or unknown (including existing as well as
* future claims and causes of action), in the Work (i) in all territories
* worldwide, (ii) for the maximum duration provided by applicable law or
* treaty (including future time extensions), (iii) in any current or future
* medium and for any number of copies, and (iv) for any purpose whatsoever,
* including without limitation commercial, advertising or promotional
* purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each
* member of the public at large and to the detriment of Affirmer's heirs and
* successors, fully intending that such Waiver shall not be subject to
* revocation, rescission, cancellation, termination, or any other legal or
* equitable action to disrupt the quiet enjoyment of the Work by the public
* as contemplated by Affirmer's express Statement of Purpose.
*
* 3. Public License Fallback. Should any part of the Waiver for any reason
* be judged legally invalid or ineffective under applicable law, then the
* Waiver shall be preserved to the maximum extent permitted taking into
* account Affirmer's express Statement of Purpose. In addition, to the
* extent the Waiver is so judged Affirmer hereby grants to each affected
* person a royalty-free, non transferable, non sublicensable, non exclusive,
* irrevocable and unconditional license to exercise Affirmer's Copyright and
* Related Rights in the Work (i) in all territories worldwide, (ii) for the
* maximum duration provided by applicable law or treaty (including future
* time extensions), (iii) in any current or future medium and for any number
* of copies, and (iv) for any purpose whatsoever, including without
* limitation commercial, advertising or promotional purposes (the
* "License"). The License shall be deemed effective as of the date CC0 was
* applied by Affirmer to the Work. Should any part of the License for any
* reason be judged legally invalid or ineffective under applicable law, such
* partial invalidity or ineffectiveness shall not invalidate the remainder
* of the License, and in such case Affirmer hereby affirms that he or she
* will not (i) exercise any of his or her remaining Copyright and Related
* Rights in the Work or (ii) assert any associated claims and causes of
* action with respect to the Work, in either case contrary to Affirmer's
* express Statement of Purpose.
*
* 4. Limitations and Disclaimers.
*
* a. No trademark or patent rights held by Affirmer are waived, abandoned,
* surrendered, licensed or otherwise affected by this document.
* b. Affirmer offers the Work as-is and makes no representations or
* warranties of any kind concerning the Work, express, implied,
* statutory or otherwise, including without limitation warranties of
* title, merchantability, fitness for a particular purpose, non
* infringement, or the absence of latent or other defects, accuracy, or
* the present or absence of errors, whether or not discoverable, all to
* the greatest extent permissible under applicable law.
* c. Affirmer disclaims responsibility for clearing rights of other persons
that may apply to the Work or any use thereof, including without limitation any person's Copyright and Related Rights in the Work.

Further, Affirmer disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the Work.

d. Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CC0 or use of the Work.

org.objectweb.asm Version 5.0.4
* License: Modified BSD (http://asm.objectweb.org/license.html)
* Copyright (c) 2000-2011 INRIA, France Telecom. All rights reserved.

* Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
  * 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
  * 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
  * 3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

org.osgi.core version 4.2.0
* License: Apache License, 2.0
* Copyright (c) OSGi Alliance (2005, 2008). All Rights Reserved.

org.glassfish.jersey.server.internal.monitoring.core
* License: Apache License, 2.0
* Copyright (c) 2015-2017 Oracle and/or its affiliates. All rights reserved.
* Copyright 2010-2013 Coda Hale and Yammer, Inc.

* Apache License
* Version 2.0, January 2004
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation, source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally
* submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

* "Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

* 2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

* 3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

* 4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

* (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

* (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of Your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
* Unauthorized reproduction or distribution of this work or any portion of it
* without the express written consent of the copyright holder is prohibited.
* Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
limitations under the License.

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.1

1. Definitions.

1.1. "Contributor" means each individual or entity that creates or
contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original
Software, prior Modifications used by a Contributor (if any), and
the Modifications made by that particular Contributor.

1.3. "Covered Software" means (a) the Original Software, or (b)
Modifications, or (c) the combination of files containing Original
Software with files containing Modifications, in each case including
portions thereof.

1.4. "Executable" means the Covered Software in any form other than
Source Code.

1.5. "Initial Developer" means the individual or entity that first
makes Original Software available under this License.

1.6. "Larger Work" means a work which combines Covered Software or
portions thereof with code not governed by the terms of this License.

1.7. "License" means this document.

1.8. "Licensable" means having the right to grant, to the maximum
extent possible, whether at the time of the initial grant or
subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means the Source Code and Executable form of
any of the following:

A. Any file that results from an addition to, deletion from or
modification of the contents of a file containing Original Software
or previous Modifications;

B. Any new file that contains any part of the Original Software or
previous Modification; or
C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. "Original Software" means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. "Source Code" means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.
(d) Notwithstanding Section 2.1(b) above, no patent license is
granted: (1) for code that You delete from the Original Software, or
(2) for infringements caused by: (i) the modification of the
Original Software, or (ii) the combination of the Original Software
with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject
to third party intellectual property claims, each Contributor hereby
grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or
trademark) Licensable by Contributor to use, reproduce, modify,
display, perform, sublicense and distribute the Modifications
created by such Contributor (or portions thereof), either on an
unmodified basis, with other Modifications, as Covered Software
and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling
of Modifications made by that Contributor either alone and/or in
combination with its Contributor Version (or portions of such
combination), to make, use, sell, offer for sale, have made, and/or
otherwise dispose of: (1) Modifications made by that Contributor (or
portions thereof); and (2) the combination of Modifications made by
that Contributor with its Contributor Version (or portions of such
combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective
on the date Contributor first distributes or otherwise makes the
Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is
granted: (1) for any code that Contributor has deleted from the
Contributor Version; (2) for infringements caused by: (i) third
party modifications of Contributor Version, or (ii) the combination
of Modifications made by that Contributor with other software
(except as part of the Contributor Version) or other devices; or (3)
under Patent Claims infringed by Covered Software in the absence of
Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available
in Executable form must also be made available in Source Code form
and that Source Code form must be distributed only under the terms
of this License. You must include a copy of this License with every
copy of the Source Code form of the Covered Software You distribute
or otherwise make available. You must inform recipients of any such
Covered Software in Executable form as to how they can obtain such
Covered Software in Source Code form in a reasonable manner on or
through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are
governed by the terms of this License. You represent that You
believe Your Modifications are Your original creation(s) and/or You
have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that
identifies You as the Contributor of the Modification. You may not
remove or alter any copyright, patent or trademark notices contained
within the Covered Software, or any notices of licensing or any
descriptive text giving attribution to any Contributor or the
Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in
Source Code form that alters or restricts the applicable version of
this License or the recipients' rights hereunder. You may choose to
offer, and to charge a fee for, warranty, support, indemnity or
liability obligations to one or more recipients of Covered Software.
However, you may do so only on Your own behalf, and not on behalf of
the Initial Developer or any Contributor. You must make it
absolutely clear that any such warranty, support, indemnity or
liability obligation is offered by You alone, and You hereby agree
to indemnify the Initial Developer and every Contributor for any
liability incurred by the Initial Developer or such Contributor as a
result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under
the terms of this License or under the terms of a license of Your
choice, which may contain terms different from this License,
provided that You are in compliance with the terms of this License
and that the license for the Executable form does not attempt to
limit or alter the recipient's rights in the Source Code form from
the rights set forth in this License. If You distribute the Covered
Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.


You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Oracle is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.
5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as "Participant") alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. If You assert a patent infringement claim against Participant alleging that the Participant Software directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.
6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject
to the jurisdiction of the courts located in the jurisdiction and
venue specified in a notice contained within the Original Software,
with the losing party responsible for costs, including, without
limitation, court costs and reasonable attorneys’ fees and expenses.
The application of the United Nations Convention on Contracts for
the International Sale of Goods is expressly excluded. Any law or
regulation which provides that the language of a contract shall be
construed against the drafter shall not apply to this License. You
agree that You alone are responsible for compliance with the United
States export administration regulations (and the export control
laws and regulation of any other countries) when You use, distribute
or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is
responsible for claims and damages arising, directly or indirectly,
out of its utilization of rights under this License and You agree to
work with Initial Developer and Contributors to distribute such
responsibility on an equitable basis. Nothing herein is intended or
shall be deemed to constitute any admission of liability.

------------------------------------------------------------------------

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION
LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the
State of California (excluding conflict-of-law provisions). Any
litigation relating to this License shall be subject to the jurisdiction
of the Federal Courts of the Northern District of California and the
state courts of the State of California, with venue lying in Santa Clara
County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor
Boston, MA 02110-1335
USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not
normally print such an announcement, your work based on the Program
is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program, and
can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on
the Program, the distribution of the whole must be on the terms of this
License, whose permissions for other licensees extend to the entire
whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of a
storage or distribution medium does not bring the other work under the
scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable
      source code, which must be distributed under the terms of Sections 1
      and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three
      years, to give any third party, for a charge no more than your cost
      of physically performing source distribution, a complete
      machine-readable copy of the corresponding source code, to be
      distributed under the terms of Sections 1 and 2 above on a medium
      customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to
      distribute corresponding source code. (This alternative is allowed
      only for noncommercial distribution and only if you received the
      program in object code or executable form with such an offer, in
      accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source code
means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to control
compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from
distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.
You should have received a copy of the GNU General Public License 
along with this program; if not, write to the Free Software 
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1335 USA 

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this 
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author 
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 
    `show w'. This is free software, and you are welcome to redistribute 
    it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the 
appropriate parts of the General Public License. Of course, the commands 
you use may be called something other than `show w' and `show c'; they 
could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your 
school, if any, to sign a "copyright disclaimer" for the program, if 
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the 
    program `Gnomovision' (which makes passes at compilers) written by 
    James Hacker.

    signature of Ty Coon, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program 
into proprietary programs. If your program is a subroutine library, you 
may consider it more useful to permit linking proprietary applications 
with the library. If this is what you want to do, use the GNU Library 
General Public License instead of this License.

#

Certain source files distributed by Oracle America, Inc. and/or its 
affiliates are subject to the following clarification and special 
exception to the GPLv2, based on the GNU Project exception for its 
Classpath libraries, known as the GNU Classpath Exception, but only 
where Oracle has expressly included in the particular source file's 
header the words "Oracle designates this particular file as subject to 
the "Classpath" exception as provided by Oracle in the LICENSE file 
that accompanied this code."
You should also note that Oracle includes multiple, independent programs in this software package. Some of those programs are provided under licenses deemed incompatible with the GPLv2 by the Free Software Foundation and others. For example, the package includes programs licensed under the Apache License, Version 2.0. Such programs are licensed to you under their original licenses.

Oracle facilitates your further distribution of this package by adding the Classpath Exception to the necessary parts of its GPLv2 code, which permits you to use that code in combination with other independent modules not licensed under the GPLv2. However, note that this would not permit you to commingle code under an incompatible license with Oracle's GPLv2 licensed code by, for example, cutting and pasting such code into a file also containing Oracle's GPLv2 licensed code and then distributing the result. Additionally, if you were to remove the Classpath Exception from any of the files to which it applies and distribute the result, you would likely be required to license some or all of the other code in that distribution under the GPLv2 as well, and since the GPLv2 is incompatible with the license terms of some items included in the distribution by Oracle, removing the Classpath Exception could therefore effectively compromise your ability to further distribute the package.

Proceed with caution and we recommend that you obtain the advice of a lawyer skilled in open source matters before removing the Classpath Exception or making modifications to this package which may subsequently be redistributed and/or involve the use of third party software.

CLASSPATH EXCEPTION
Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

This content is produced and maintained by Oracle and/or its affiliates. All rights reserved.
* Project home: https://jersey.github.io

== Declared Project Licenses

This program and the accompanying materials are made available under the terms of dual license of
- COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL - Version 1.1) available at
  https://oss.oracle.com/licenses/CDDL+GPL-1.1
- GNU General Public License (GPL - Version 2, June 1991) with the "Classpath Exception"

* The GNU General Public License (GPL) Version 2, June 1991
  
  * Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street,
  * Fifth Floor Boston, MA 02110-1335 USA
  *
  * Everyone is permitted to copy and distribute verbatim copies of this
  * license document, but changing it is not allowed.
  *
  * Preamble
  *
  * The licenses for most software are designed to take away your freedom to
  * share and change it. By contrast, the GNU General Public License is
  * intended to guarantee your freedom to share and change free software--to
  * make sure the software is free for all its users. This General Public
  * License applies to most of the Free Software Foundation's software and
  * to any other program whose authors commit to using it. (Some other Free
  * Software Foundation software is covered by the GNU Library General
  * Public License instead.) You can apply it to your programs, too.
  *
  * When we speak of free software, we are referring to freedom, not price.
  * Our General Public Licenses are designed to make sure that you have the
  * freedom to distribute copies of free software (and charge for this
  * service if you wish), that you receive source code or can get it if you
  * want it, that you can change the software or use pieces of it in new
  * free programs; and that you know you can do these things.
  *
  * To protect your rights, we need to make restrictions that forbid anyone
  * to deny you these rights or to ask you to surrender the rights. These
  * restrictions translate to certain responsibilities for you if you
  * distribute copies of the software, or if you modify it.
  *
  * For example, if you distribute copies of such a program, whether gratis
  * or for a fee, you must give the recipients all the rights that you have.
  * You must make sure that they, too, receive or can get the source code.
  * And you must show them these terms so they know their rights.
  *
  * We protect your rights with two steps: (1) copyright the software, and
  * (2) offer you this license which gives you legal permission to copy,
  * distribute and/or modify the software.
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute
* such modifications or work under the terms of Section 1 above, provided
* that you also meet all of these conditions:
*
*   a) You must cause the modified files to carry prominent notices stating
*       that you changed the files and the date of any change.
*   
*   b) You must cause any work that you distribute or publish, that in whole
*       or in part contains or is derived from the Program or any part thereof,
*       to be licensed as a whole at no charge to all third parties under the
*       terms of this License.
*   
*   c) If the modified program normally reads commands interactively when
*       run, you must cause it, when started running for such interactive use in
*       the most ordinary way, to print or display an announcement including an
*       appropriate copyright notice and a notice that there is no warranty (or
*       else, saying that you provide a warranty) and that users may
*       redistribute the program under these conditions, and telling the user
*       how to view a copy of this License. (Exception: if the Program itself is
*       interactive but does not normally print such an announcement, your work
*       based on the Program is not required to print an announcement.)
*   
*   These requirements apply to the modified work as a whole. If
*   identifiable sections of that work are not derived from the Program, and
*   can be reasonably considered independent and separate works in
*   themselves, then this License, and its terms, do not apply to those
*   sections when you distribute them as separate works. But when you
*   distribute the same sections as part of a whole which is a work based on
*   the Program, the distribution of the whole must be on the terms of this
*   License, whose permissions for other licensees extend to the entire
*   whole, and thus to each and every part regardless of who wrote it.
*   
*   Thus, it is not the intent of this section to claim rights or contest
*   your rights to work written entirely by you; rather, the intent is to
*   exercise the right to control the distribution of derivative or
*   collective works based on the Program.
*   
*   In addition, mere aggregation of another work not based on the Program
*   with the Program (or with a work based on the Program) on a volume of a
*   storage or distribution medium does not bring the other work under the
*   scope of this License.
*   
* 3. You may copy and distribute the Program (or a work based on it, under
* Section 2) in object code or executable form under the terms of Sections
* 1 and 2 above provided that you also do one of the following:
*
*   a) Accompany it with the complete corresponding machine-readable source
*      code, which must be distributed under the terms of Sections 1 and 2
*      above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to
give any third party, for a charge no more than your cost of physically
performing source distribution, a complete machine-readable copy of the
corresponding source code, to be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to
distribute corresponding source code. (This alternative is allowed only
for noncommercial distribution and only if you received the program in
object code or executable form with such an offer, in accord with
Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source code
means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to control
compilation and installation of the executable. However, as a special
exception, the source code distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies the
executable.

If distribution of executable or object code is made by offering access
to copy from a designated place, then offering equivalent access to copy
the source code from the same place counts as distribution of the source
code, even though third parties are not compelled to copy the source
along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt otherwise
to copy, modify, sublicense or distribute the Program is void, and will
automatically terminate your rights under this License. However, parties
who have received copies, or rights, from you under this License will
not have their licenses terminated so long as such parties remain in
full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and all
its terms and conditions for copying, distributing or modifying the
Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Open Source Used In CSPC_Collector 2.9.1

---

* Program), the recipient automatically receives a license from the
* original licensor to copy, distribute or modify the Program subject to
* these terms and conditions. You may not impose any further restrictions
* on the recipients' exercise of the rights granted herein. You are not
* responsible for enforcing compliance by third parties to this License.

* 7. If, as a consequence of a court judgment or allegation of patent
* infringement or for any other reason (not limited to patent issues),
* conditions are imposed on you (whether by court order, agreement or
* otherwise) that contradict the conditions of this License, they do not
* excuse you from the conditions of this License. If you cannot distribute
* so as to satisfy simultaneously your obligations under this License and
* any other pertinent obligations, then as a consequence you may not
* distribute the Program at all. For example, if a patent license would
* not permit royalty-free redistribution of the Program by all those who
* receive copies directly or indirectly through you, then the only way you
* could satisfy both it and this License would be to refrain entirely from
* distribution of the Program.

* If any portion of this section is held invalid or unenforceable under
* any particular circumstance, the balance of the section is intended to
* apply and the section as a whole is intended to apply in other
* circumstances.

* It is not the purpose of this section to induce you to infringe any
* patents or other property right claims or to contest validity of any
* such claims; this section has the sole purpose of protecting the
* integrity of the free software distribution system, which is implemented
* by public license practices. Many people have made generous
* contributions to the wide range of software distributed through that
* system in reliance on consistent application of that system; it is up to
* the author/donor to decide if he or she is willing to distribute
* software through any other system and a licensee cannot impose that
* choice.

* This section is intended to make thoroughly clear what is believed to be
* a consequence of the rest of this License.

* 8. If the distribution and/or use of the Program is restricted in
* certain countries either by patents or by copyrighted interfaces, the
* original copyright holder who places the Program under this License may
* add an explicit geographical distribution limitation excluding those
* countries, so that distribution is permitted only in or among countries
* not thus excluded. In such case, this License incorporates the
* limitation as if written in the body of this License.

* 9. The Free Software Foundation may publish revised and/or new versions
* of the General Public License from time to time. Such new versions will
* be similar in spirit to the present version, but may differ in detail to
* address new problems or concerns.
*
* Each version is given a distinguishing version number. If the Program
* specifies a version number of this License which applies to it and "any
* later version", you have the option of following the terms and
* conditions either of that version or of any later version published by
* the Free Software Foundation. If the Program does not specify a version
* number of this License, you may choose any version ever published by the
* Free Software Foundation.
*
* 10. If you wish to incorporate parts of the Program into other free
* programs whose distribution conditions are different, write to the
* author to ask for permission. For software which is copyrighted by the
* Free Software Foundation, write to the Free Software Foundation; we
* sometimes make exceptions for this. Our decision will be guided by the
* two goals of preserving the free status of all derivatives of our free
* software and of promoting the sharing and reuse of software generally.
*
* NO WARRANTY
*
* 11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
* FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
* OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
* PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER
* EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE
* ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH
* YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL
* NECESSARY SERVICING, REPAIR OR CORRECTION.
*
* 12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
* WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
* AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR
* DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL
* DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM
* (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED
* INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF
* THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR
* OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
*
* END OF TERMS AND CONDITIONS
*
* How to Apply These Terms to Your New Programs
*
* If you develop a new program, and you want it to be of the greatest
* possible use to the public, the best way to achieve this is to make it
* free software which everyone can redistribute and change under these
* terms.

* To do so, attach the following notices to the program. It is safest to
* attach them to the start of each source file to most effectively convey
* the exclusion of warranty; and each file should have at least the
* "copyright" line and a pointer to where the full notice is found.

* One line to give the program's name and a brief idea of what it does.
* Copyright (C) <year> <name of author>

* This program is free software; you can redistribute it and/or modify it
* under the terms of the GNU General Public License as published by the
* Free Software Foundation; either version 2 of the License, or (at your
* option) any later version.

* This program is distributed in the hope that it will be useful, but
* WITHOUT ANY WARRANTY; without even the implied warranty of
* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General
* Public License for more details.

* You should have received a copy of the GNU General Public License along
* with this program; if not, write to the Free Software Foundation, Inc.,
* 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

* Also add information on how to contact you by electronic and paper mail.

* If the program is interactive, make it output a short notice like this
* when it starts in an interactive mode:

* Gnomovision version 69, Copyright (C) year name of author Gnomovision
* comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is
* free software, and you are welcome to redistribute it under certain
* conditions; type `show c' for details.

* The hypothetical commands `show w' and `show c' should show the
* appropriate parts of the General Public License. Of course, the commands
* you use may be called something other than `show w' and `show c'; they
* could even be mouse-clicks or menu items--whatever suits your program.

* You should also get your employer (if you work as a programmer) or your
* school, if any, to sign a "copyright disclaimer" for the program, if
* necessary. Here is a sample; alter the names:

* Yoyodyne, Inc., hereby disclaims all copyright interest in the program
* `Gnomovision' (which makes passes at compilers) written by James Hacker.

* signature of Ty Coon, 1 April 1989
* Ty Coon, President of Vice
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Oracle America, Inc. and/or its affiliates are subject to the following clarification and special exception to the GPLv2, based on the GNU Project exception for its Classpath libraries, known as the GNU Classpath Exception, but only where Oracle has expressly included in the particular source file's header the words "Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the LICENSE file that accompanied this code."

You should also note that Oracle includes multiple, independent programs in this software package. Some of those programs are provided under licenses deemed incompatible with the GPLv2 by the Free Software Foundation and others. For example, the package includes programs licensed under the Apache License, Version 2.0. Such programs are licensed to you under their original licenses. Oracle facilitates your further distribution of this package by adding the Classpath Exception to the necessary parts of its GPLv2 code, which permits you to use that code in combination with other independent modules not licensed under the GPLv2. However, note that this would not permit you to commingle code under an incompatible license with Oracle's GPLv2 licensed code by, for example, cutting and pasting such code into a file also containing Oracle's GPLv2 licensed code and then distributing the result. Additionally, if you were to remove the Classpath Exception from any of the files to which it applies and distribute the result, you would likely be required to license some or all of the other code in that distribution under the GPLv2 as well, and since the GPLv2 is incompatible with the license terms of some items included in the distribution by Oracle, removing the Classpath Exception could therefore effectively compromise your ability to further distribute the package.

Proceed with caution and we recommend that you obtain the advice of a lawyer skilled in open source matters before removing the Classpath Exception or making modifications to this package which may subsequently be redistributed and/or involve the use of third party software.

CLASSPATH EXCEPTION

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you
permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

== Source Code

* https://github.com/jersey/jersey.git

== Copyright Holders

Copyright (c) 2013-2018 Oracle and/or its affiliates. All rights reserved.

== Third party technology that may be necessary for use with this program is identified below and licensed under the terms of the third party technology license agreement specified and not under GPLv2 with Classpath Exception or CDDL.

Google Guava Version 18.0
* License: Apache License, 2.0
* Copyright (C) 2009 The Guava Authors
* 
* Apache License
* Version 2.0, January 2004
* http://www.apache.org/licenses/
* 
* TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
* 
* 1. Definitions.
* 
* "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
* 
* "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
* 
* "Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
* "You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
* "Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
* "Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.
* "Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).
* "Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.
* "Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."
* "Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work,
excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
your Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing

Open Source Used In CSPC_Collector 2.9.1 5247
* the Work or Derivative Works thereof, You may choose to offer,
* and charge a fee for, acceptance of support, warranty, indemnity,
* or other liability obligations and/or rights consistent with this
* License. However, in accepting such obligations, You may act only
* on Your own behalf and on Your sole responsibility, not on behalf
* of any other Contributor, and only if You agree to indemnify,
* defend, and hold each Contributor harmless for any liability
* incurred by, or claims asserted against, such Contributor by reason
* of your accepting any such warranty or additional liability.
*
* END OF TERMS AND CONDITIONS
*
* APPENDIX: How to apply the Apache License to your work.
*
* To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced
with your own identifying information. (Don't include the brackets!) The
text should be enclosed in the appropriate comment syntax for the file
format. We also recommend that a file or class name and description
of purpose be included on the same "printed page" as the copyright
notice for easier identification within third-party archives.
*
* Copyright [yyyy] [name of copyright owner]
*
* Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at
*
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

JSR-166 Extension - JEP 266
* License: CC0
* No copyright
* Written by Doug Lea with assistance from members of JCP JSR-166
* Expert Group and released to the public domain, as explained at
* http://creativecommons.org/publicdomain/zero/1.0/
* 
* Creative Commons Legal Code
* 
* CC0 1.0 Universal
*
* Statement of Purpose

* The laws of most jurisdictions throughout the world automatically confer
* exclusive Copyright and Related Rights (defined below) upon the creator
* and subsequent owner(s) (each and all, an "owner") of an original work of
* authorship and/or a database (each, a "Work").

* Certain owners wish to permanently relinquish those rights to a Work for
* the purpose of contributing to a commons of creative, cultural and
* scientific works ("Commons") that the public can reliably and without fear
* of later claims of infringement build upon, modify, incorporate in other
* works, reuse and redistribute as freely as possible in any form whatsoever
* and for any purposes, including without limitation commercial purposes.
* These owners may contribute to the Commons to promote the ideal of a free
* culture and the further production of creative, cultural and scientific
* works, or to gain reputation or greater distribution for their Work in
* part through the use and efforts of others.

* For these and/or other purposes and motivations, and without any
* expectation of additional consideration or compensation, the person
* associating CC0 with a Work (the "Affirmer"), to the extent that he or she
* is an owner of Copyright and Related Rights in the Work, voluntarily
* elects to apply CC0 to the Work and publicly distribute the Work under its
* terms, with knowledge of his or her Copyright and Related Rights in the
* Work and the meaning and intended legal effect of CC0 on those rights.

* 1. Copyright and Related Rights. A Work made available under CC0 may be
* protected by copyright and related or neighboring rights ("Copyright and
* Related Rights"). Copyright and Related Rights include, but are not
* limited to, the following:

* i. the right to reproduce, adapt, distribute, perform, display,
* communicate, and translate a Work;
* ii. moral rights retained by the original author(s) and/or performer(s);
* iii. publicity and privacy rights pertaining to a person's image or
* likeness depicted in a Work;
* iv. rights protecting against unfair competition in regards to a Work,
* subject to the limitations in paragraph 4(a), below;
* v. rights protecting the extraction, dissemination, use and reuse of data
* in a Work;
* vi. database rights (such as those arising under Directive 96/9/EC of the
  protection of databases, and under any national implementation
  thereof, including any amended or successor version of such
  directive); and
* vii. other similar, equivalent or corresponding rights throughout the
  world based on applicable law or treaty, and any national
  implementations thereof.

* 2. Waiver. To the greatest extent permitted by, but not in contravention
  of, applicable law, Affirmer hereby overtly, fully, permanently,
  irrevocably and unconditionally waives, abandons, and surrenders all of
  Affirmer's Copyright and Related Rights and associated claims and causes
  of action, whether now known or unknown (including existing as well as
  future claims and causes of action), in the Work (i) in all territories
  worldwide, (ii) for the maximum duration provided by applicable law or
  treaty (including future time extensions), (iii) in any current or future
  medium and for any number of copies, and (iv) for any purpose whatsoever,
  including without limitation commercial, advertising or promotional
  purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each
  member of the public at large and to the detriment of Affirmer's heirs and
  successors, fully intending that such Waiver shall not be subject to
  revocation, rescission, cancellation, termination, or any other legal or
  equitable action to disrupt the quiet enjoyment of the Work by the public
  as contemplated by Affirmer's express Statement of Purpose.

* 3. Public License Fallback. Should any part of the Waiver for any reason
  be judged legally invalid or ineffective under applicable law, then the
  Waiver shall be preserved to the maximum extent permitted taking into
  account Affirmer's express Statement of Purpose. In addition, to the
  extent the Waiver is so judged Affirmer hereby grants to each affected
  person a royalty-free, non transferable, non sublicensable, non exclusive,
  irrevocable and unconditional license to exercise Affirmer's Copyright and
  Related Rights in the Work (i) in all territories worldwide, (ii) for the
  maximum duration provided by applicable law or treaty (including future
  time extensions), (iii) in any current or future medium and for any number
  of copies, and (iv) for any purpose whatsoever, including without
  limitation commercial, advertising or promotional purposes (the
  "License"). The License shall be deemed effective as of the date CC0 was
  applied by Affirmer to the Work. Should any part of the License for any
  reason be judged legally invalid or ineffective under applicable law, such
  partial invalidity or ineffectiveness shall not invalidate the remainder
  of the License, and in such case Affirmer hereby affirms that he or she
  will not (i) exercise any of his or her remaining Copyright and Related
  Rights in the Work or (ii) assert any associated claims and causes of
  action with respect to the Work, in either case contrary to Affirmer's
  express Statement of Purpose.
4. Limitations and Disclaimers.

a. No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.

b. Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.

c. Affirmer disclaims responsibility for clearing rights of other persons that may apply to the Work or any use thereof, including without limitation any person's Copyright and Related Rights in the Work. Further, Affirmer disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the Work.

d. Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CC0 or use of the Work.

*/

* DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS HEADER.

* Copyright (c) YYYY Oracle and/or its affiliates. All rights reserved.

* The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can obtain a copy of the License at https://oss.oracle.com/licenses/CDDL+GPL-1.1 or LICENSE.txt. See the License for the specific language governing permissions and limitations under the License.

* When distributing the software, include this License Header Notice in each file and include the License file at LICENSE.txt.

* GPL Classpath Exception:
  * Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License file that accompanied this code.

* Modifications:
  * If applicable, add the following below the License Header, with the fields enclosed by brackets [] replaced by your own identifying information:
    * "Portions Copyright [year] [name of copyright owner]"
* Contributor(s):
* If you wish your version of this file to be governed by only the CDDL or
* only the GPL Version 2, indicate your decision by adding "[Contributor]
* Version 2] license." If you don't indicate a single choice of license, a
* recipient has the option to distribute your version of this file under
* either the CDDL, the GPL Version 2 or to extend the choice of license to
* its licensees as provided above. However, if you add GPL Version 2 code
* and therefore, elected the GPL Version 2 license, then the option applies
* only if the new code is made subject to such option by the copyright
* holder.
*/

DO NOT TRANSLATE OR LOCALIZE.

%%% The following software may be included in this product: ASM
Use of any of this software is governed by the terms of the license below:

Copyright (c) 2000-2005 INRIA, France Telecom
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
   documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holders nor the names of its
   contributors may be used to endorse or promote products derived from
   this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
THE POSSIBILITY OF SUCH DAMAGE.
The following software may be included in this product: Jettison
Use of any of this software is governed by the terms of the license below:

Copyright 2006 Envoi Solutions LLC

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as
indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   1. You must give any other recipients of the Work or Derivative Works a copy of this License; and

   2. You must cause any modified files to carry prominent notices stating that You changed the files; and

   3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS
APPENDIX: How to apply the Apache License to your work
To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

%% The following software may be included in this product: Jackson
Use of any of this software is governed by the terms of the license below:

Jackson is dual-licensed under two alternative popular Open Source licenses: Apache (AL 2.0) and Gnu Lesser GPL (LGPL 2.1). You choose one or the other, as necessary (if you want to redistribute the code for use, you do not need license), and abide by the license rules as defined by the respective license agreement (and only that one).

--------------------------------------------------------------------------
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   1. You must give any other recipients of the Work or Derivative Works a copy of this License; and

   2. You must cause any modified files to carry prominent notices stating that You changed the files; and
3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by
reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

This content is produced and maintained by Oracle and/or its affiliates. All rights reserved.

* Project home: https://jersey.github.io

== Declared Project Licenses

This program and the accompanying materials are made available under the terms of dual license of
- COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL - Version 1.1) available at
  https://oss.oracle.com/licenses/CDDL+GPL-1.1
- GNU General Public License (GPL - Version 2, June 1991) with the "Classpath Exception"

* The GNU General Public License (GPL) Version 2, June 1991

  * Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street,
  * Fifth Floor Boston, MA 02110-1335 USA
  *
  * Everyone is permitted to copy and distribute verbatim copies of this
  * license document, but changing it is not allowed.
  *
  * Preamble
  *
  * The licenses for most software are designed to take away your freedom to
  * share and change it. By contrast, the GNU General Public License is
  * intended to guarantee your freedom to share and change free software--to
  * make sure the software is free for all its users. This General Public
  * License applies to most of the Free Software Foundation's software and
  * to any other program whose authors commit to using it. (Some other Free
  * Software Foundation software is covered by the GNU Library General
  * Public License instead.) You can apply it to your programs, too.
  *
  * When we speak of free software, we are referring to freedom, not price.
  * Our General Public Licenses are designed to make sure that you have the
* freedom to distribute copies of free software (and charge for this
* service if you wish), that you receive source code or can get it if you
* want it, that you can change the software or use pieces of it in new
* free programs; and that you know you can do these things.
*
* To protect your rights, we need to make restrictions that forbid anyone
* to deny you these rights or to ask you to surrender the rights. These
* restrictions translate to certain responsibilities for you if you
* distribute copies of the software, or if you modify it.
*
* For example, if you distribute copies of such a program, whether gratis
* or for a fee, you must give the recipients all the rights that you have.
* You must make sure that they, too, receive or can get the source code.
* And you must show them these terms so they know their rights.
*
* We protect your rights with two steps: (1) copyright the software, and
* (2) offer you this license which gives you legal permission to copy,
* distribute and/or modify the software.
*
* Also, for each author's protection and ours, we want to make certain
* that everyone understands that there is no warranty for this free
* software. If the software is modified by someone else and passed on, we
* want its recipients to know that what they have is not the original, so
* that any problems introduced by others will not reflect on the original
* authors' reputations.
*
* Finally, any free program is threatened constantly by software patents.
* We wish to avoid the danger that redistributors of a free program will
* individually obtain patent licenses, in effect making the program
* proprietary. To prevent this, we have made it clear that any patent must
* be licensed for everyone's free use or not licensed at all.
*
* The precise terms and conditions for copying, distribution and
* modification follow.
*
* TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
*
* 0. This License applies to any program or other work which contains a
* notice placed by the copyright holder saying it may be distributed under
* the terms of this General Public License. The "Program", below, refers
* to any such program or work, and a "work based on the Program" means
* either the Program or any derivative work under copyright law: that is
* to say, a work containing the Program or a portion of it, either
* verbatim or with modifications and/or translated into another language.
* (Hereinafter, translation is included without limitation in the term
* "modification"). Each licensee is addressed as "you".
*
* Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of running
the Program is not restricted, and the output from the Program is
covered only if its contents constitute a work based on the Program
(independent of having been made by running the Program). Whether that
is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source
code as you receive it, in any medium, provided that you conspicuously
and appropriately publish on each copy an appropriate copyright notice
and disclaimer of warranty; keep intact all the notices that refer to
this License and to the absence of any warranty; and give any other
recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of
it, thus forming a work based on the Program, and copy and distribute
such modifications or work under the terms of Section 1 above, provided
that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating
that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole
or in part contains or is derived from the Program or any part thereof,
to be licensed as a whole at no charge to all third parties under the
terms of this License.

   c) If the modified program normally reads commands interactively when
run, you must cause it, when started running for such interactive use in
the most ordinary way, to print or display an announcement including an
appropriate copyright notice and a notice that there is no warranty (or
else, saying that you provide a warranty) and that users may
redistribute the program under these conditions, and telling the user
how to view a copy of this License. (Exception: if the Program itself is
interactive but does not normally print such an announcement, your work
based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program, and
can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on
the Program, the distribution of the whole must be on the terms of this
License, whose permissions for other licensees extend to the entire
whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system.
* system in reliance on consistent application of that system; it is up to
* the author/donor to decide if he or she is willing to distribute
* software through any other system and a licensee cannot impose that
* choice.
*
* This section is intended to make thoroughly clear what is believed to be
* a consequence of the rest of this License.
*
* 8. If the distribution and/or use of the Program is restricted in
* certain countries either by patents or by copyrighted interfaces, the
* original copyright holder who places the Program under this License may
* add an explicit geographical distribution limitation excluding those
* countries, so that distribution is permitted only in or among countries
* not thus excluded. In such case, this License incorporates the
* limitation as if written in the body of this License.
*
* 9. The Free Software Foundation may publish revised and/or new versions
* of the General Public License from time to time. Such new versions will
* be similar in spirit to the present version, but may differ in detail to
* address new problems or concerns.
*
* Each version is given a distinguishing version number. If the Program
* specifies a version number of this License which applies to it and "any
* later version", you have the option of following the terms and
* conditions either of that version or of any later version published by
* the Free Software Foundation. If the Program does not specify a version
* number of this License, you may choose any version ever published by the
* Free Software Foundation.
*
* 10. If you wish to incorporate parts of the Program into other free
* programs whose distribution conditions are different, write to the
* author to ask for permission. For software which is copyrighted by the
* Free Software Foundation, write to the Free Software Foundation; we
* sometimes make exceptions for this. Our decision will be guided by the
* two goals of preserving the free status of all derivatives of our free
* software and of promoting the sharing and reuse of software generally.
*
* NO WARRANTY
*
* 11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
* FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
* OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
* PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER
* EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE
* ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH
* YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL
* NECESSARY SERVICING, REPAIR OR CORRECTION.
* 12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN 
* WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY 
* AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR 
* DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL 
* DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM 
* (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED 
* INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF 
* THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR 
* OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. 
* 
* END OF TERMS AND CONDITIONS 
* 
* How to Apply These Terms to Your New Programs 
* 
* If you develop a new program, and you want it to be of the greatest 
* possible use to the public, the best way to achieve this is to make it 
* free software which everyone can redistribute and change under these 
* terms. 
* 
* To do so, attach the following notices to the program. It is safest to 
* attach them to the start of each source file to most effectively convey 
* the exclusion of warranty; and each file should have at least the 
* "copyright" line and a pointer to where the full notice is found. 
* 
* One line to give the program's name and a brief idea of what it does. 
* Copyright (C) <year> <name of author> 
* 
* This program is free software; you can redistribute it and/or modify it 
* under the terms of the GNU General Public License as published by the 
* Free Software Foundation; either version 2 of the License, or (at your 
* option) any later version. 
* 
* This program is distributed in the hope that it will be useful, but 
* WITHOUT ANY WARRANTY; without even the implied warranty of 
* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General 
* Public License for more details. 
* 
* You should have received a copy of the GNU General Public License along 
* with this program; if not, write to the Free Software Foundation, Inc., 
* 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA 
* 
* Also add information on how to contact you by electronic and paper mail. 
* 
* If the program is interactive, make it output a short notice like this 
* when it starts in an interactive mode: 
* 
* Gnomovision version 69, Copyright (C) year name of author Gnomovision
comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is
free software, and you are welcome to redistribute it under certain
conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the commands
you use may be called something other than `show w' and `show c'; they
could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications
with the library. If this is what you want to do, use the GNU Library
General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Oracle America, Inc. and/or its affiliates
are subject to the following clarification and special exception to the GPLv2,
based on the GNU Project exception for its Classpath libraries, known as the
GNU Classpath Exception, but only where Oracle has expressly included in the
particular source file's header the words "Oracle designates this particular
file as subject to the "Classpath" exception as provided by Oracle in the
LICENSE file that accompanied this code."
You should also note that Oracle includes multiple, independent programs in
this software package. Some of those programs are provided under licenses
deemed incompatible with the GPLv2 by the Free Software Foundation and others.
For example, the package includes programs licensed under the Apache License,
Version 2.0. Such programs are licensed to you under their original licenses.
Oracle facilitates your further distribution of this package by adding the
Classpath Exception to the necessary parts of its GPLv2 code, which permits you
to use that code in combination with other independent modules not licensed
under the GPLv2. However, note that this would not permit you to commingle
code under an incompatible license with Oracle's GPLv2 licensed code by, for
example, cutting and pasting such code into a file also containing Oracle's
GPLv2 licensed code and then distributing the result. Additionally, if you
* were to remove the Classpath Exception from any of the files to which it
* applies and distribute the result, you would likely be required to license
* some or all of the other code in that distribution under the GPLv2 as well,
* and since the GPLv2 is incompatible with the license terms of some items
* included in the distribution by Oracle, removing the Classpath Exception could
* therefore effectively compromise your ability to further distribute the package.
*
* Proceed with caution and we recommend that you obtain the advice of a lawyer
* skilled in open source matters before removing the Classpath Exception or
* making modifications to this package which may subsequently be redistributed
* and/or involve the use of third party software.
*
* CLASSPATH EXCEPTION
* Linking this library statically or dynamically with other modules is making a
* combined work based on this library. Thus, the terms and conditions of the GNU
* General Public License version 2 cover the whole combination.
*
* As a special exception, the copyright holders of this library give you
* permission to link this library with independent modules to produce an
* executable, regardless of the license terms of these independent modules, and
* to copy and distribute the resulting executable under terms of your choice,
* provided that you also meet, for each linked independent module, the terms and
* conditions of the license of that module. An independent module is a module
* which is not derived from or based on this library. If you modify this library,
* you may extend this exception to your version of the library, but you are not
* obligated to do so. If you do not wish to do so, delete this exception
* statement from your version.

== Source Code

* [https://github.com/jersey/jersey.git](https://github.com/jersey/jersey.git)

== Copyright Holders

Copyright (c) 2013-2018 Oracle and/or its affiliates. All rights reserved.

== Third party technology that may be necessary for use with
this program is identified below and licensed under the terms of
the third party technology license agreement specified and
not under GPLv2 with Classpath Exception or CDDL.

Jackson JAX-RS Providers
* License: Apache License, 2.0
* Project: [https://github.com/FasterXML/jackson-jaxrs-providers](https://github.com/FasterXML/jackson-jaxrs-providers)
* Copyright 2009-2011 FasterXML, LLC. All rights reserved unless otherwise indicated.
* 
* Apache License
* Version 2.0, January 2004
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation, source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at
Open Source Used In CSPC_Collector 2.9.1 5272

* http://www.apache.org/licenses/LICENSE-2.0
* * Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.

1.524 geronimo-activation-spec 1.1
1.524.1 Available under license :

Activation 1.1
Copyright 2003-2010 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.525 xstream 1.4.4

1.526 api-all 1.0.2
1.526.1 Available under license :

Apache Directory API ASN.1 API
Copyright 2003-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work,
excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
extcept as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.527 activemq-console 5.16.1
1.527.1 Available under license:

ActiveMQ :: Console
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of Your accepting any such warranty or additional liability.
END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.528 geronimo-jta 1.1.1
1.528.1 Available under license:

    Apache License
    Version 2.0, January 2004
    http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form of
documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Apache Geronimo
Copyright 2003-2008 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).
1.529 activemq-http 5.15.14

1.529.1 Available under license:

ActiveMQ :: HTTP Protocol Support
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work.
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.530 datanucleus-api-jdo 3.1.3

1.530.1 Available under license :

===================================================================
== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the DataNucleus distribution. ==
===================================================================

This product includes software developed by many individuals, including the following:

Erik Bengtson
Andy Jefferson

This product has included contributions from some individuals, including the following:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

Copyright 2008-2008 DataNucleus

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.531 linux-firmware 41.28.5.1-94.el8.1
1.531.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains
that there is no warranty for this free software. For both users' and
authors' sake, the GPL requires that modified versions be marked as
changed, so that their problems will not be attributed erroneously to
authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

**TERMS AND CONDITIONS**

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying,
distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's
users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not
used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.
Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of
it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently
reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted...
by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying
the work, and under which the third party grants, to any of the
parties who would receive the covered work from you, a discriminatory
patent license (a) in connection with copies of the covered work
conveyed by you (or copies made from those copies), or (b) primarily
for and in connection with specific products or compilations that
contain the covered work, unless you entered into that arrangement,
or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting
any implied license or other defenses to infringement that may
otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot convey a
covered work so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you may
not convey it at all. For example, if you agree to terms that obligate you
to collect a royalty for further conveying from those to whom you convey
the Program, the only way you could satisfy both those terms and this
License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have
permission to link or combine any covered work with a work licensed
under version 3 of the GNU Affero General Public License into a single
combined work, and to convey the resulting work. The terms of this
License will continue to apply to the part which is the covered work,
but the special requirements of the GNU Affero General Public License,
section 13, concerning interaction through a network will apply to the
combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of
the GNU General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the
Program specifies that a certain numbered version of the GNU General
Public License "or any later version" applies to it, you have the
option of following the terms and conditions either of that numbered
version or of any later version published by the Free Software
Foundation. If the Program does not specify a version number of the
GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.532 hd-parm 9.54 2.el8

1.532.1 Available under license:

 GNU GENERAL PUBLIC LICENSE
 Version 2, June 1991

 Copyright (C) 1989, 1991 Free Software Foundation, Inc.
 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

 Everyone is permitted to copy and distribute verbatim copies
 of this license document, but changing it is not allowed.

 Preamble

 The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

 When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

 To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

 For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

 We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

BSD-Style Open Source License:

You may freely use, modify, and redistribute the hdparm program,
as either binary or source, or both.

The only condition is that my name and copyright notice
remain in the source code as-is.

The apt.c file is Copyright (c) 2009 Jan Friesse <jfriesse@gmail.com>.
You may use/distribute apt.c freely, under the terms of either
(your choice) the GNU General Public License version 2,
or a BSD style license.

Mark Lord (mlord@pobox.com)
This package was debianized by Christopher L Cheney <ccheney@debian.org> on

It was downloaded from http://www.ibiblio.org/pub/Linux/system/hardware

Upstream Author: Mark S. Lord <mlord@pobox.com>

Copyright:

/* hdparm.c - Command line interface to get/set hard disk parameters */
/* - by Mark Lord 1994-2008 -- freely distributable */

You are free to distribute this software under the terms of the BSD License.
On Debian systems, the complete text of the BSD License can be found in
/usr/share/common-licenses/bsd

1.533 activemq-leveldb-store 5.16.1
1.533.1 Available under license:

ActiveMQ :: LevelDB Store
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.534 javassist 3.22.0-CR2

1.534.1 Available under license:
No license file was found, but licenses were detected in source scan.

/*
 *
 * Javassist, a Java-bytecode translator toolkit.
 * Copyright (C) 1999- Shigeru Chiba. All Rights Reserved.
 * *
 * The contents of this file are subject to the Mozilla Public License Version
 * 1.1 (the "License"); you may not use this file except in compliance with
 * the License. Alternatively, the contents of this file may be used under
 * the terms of the GNU Lesser General Public License Version 2.1 or later,
 * or the Apache License Version 2.0.
 * *
 * Software distributed under the License is distributed on an "AS IS" basis,
 * WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License
 * for the specific language governing rights and limitations under the
 * License.
 * */

Found in path(s):
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/NoFieldException.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/InnerClassesAttribute.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/analysis/Subroutine.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/runtime/Cflow.java
Open Source Used In CSPC_Collector 2.9.1 5333

jar/javassist/util/HotSwapAgent.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/MemberCodeGen.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/ClassMap.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/CompileError.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/rmi/RemoteException.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/ConstantAttribute.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/AccessorMaker.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/util/proxy/SerializedProxy.java

No license file was found, but licenses were detected in source scan.

/*
* Javassist, a Java-bytecode translator toolkit.
* Copyright (C) 2004 Bill Burke. All Rights Reserved.
*
* The contents of this file are subject to the Mozilla Public License Version
* 1.1 (the "License"); you may not use this file except in compliance with
* the License. Alternatively, the contents of this file may be used under
* the terms of the GNU Lesser General Public License Version 2.1 or later,
* or the Apache License Version 2.0.
*
* Software distributed under the License is distributed on an "AS IS" basis,
* WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License
* for the specific language governing rights and limitations under the
* License.
*/

Found in path(s):
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/Annotation.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/EnumMemberValue.java
1.535 shared-mime-info 1.9 3.el8

1.535.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is
implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.536 commons-collections 4.2
1.536.1 Available under license :
Apache Commons Collections
Copyright 2001-2015 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."
"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.537 ding-libs 0.1.5-39.el8

1.537.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked
Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are
based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the
object code and/or source code for the Application, including any data
and utility programs needed for reproducing the Combined Work from the
Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License
without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.
c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it
is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS
0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of
interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you
with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do
not control copyright. Those thus making or running the covered works
for you must do so exclusively on your behalf, under your direction
and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed; section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological
measure under any applicable law fulfilling obligations under article
11 of the WIPO copyright treaty adopted on 20 December 1996, or
similar laws prohibiting or restricting circumvention of such
measures.

When you convey a covered work, you waive any legal power to forbid
circumvention of technological measures to the extent such circumvention
is effected by exercising rights under this License with respect to
the covered work, and you disclaim any intention to limit operation or
modification of the work as a means of enforcing, against the work's
users, your or third parties' legal rights to forbid circumvention of
technological measures.


You may convey verbatim copies of the Program's source code as you
receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice;
keep intact all notices stating that this License and any
non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all
recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey,
and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the
terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified
it, and giving a relevant date.
b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical
medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product,
doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.
Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.
You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered
work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party’s predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so
available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.
13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.538 publicsuffix-list 20180723 1.el8
1.538.1 Available under license :

Found license 'GNU Lesser General Public License' in 'Mozilla Public License Version 2.0 version 1.1 or earlier of the License, but not also under the means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those non-exclusive license: 10. Versions of the License You may distribute the Covered Software under the terms of the version Secondary Licenses under the terms of this version of the License, the This Source Code Form is subject to the terms of the Mozilla Public defined by the Mozilla Public License, v. 2.0.'

1.539 libdnf 0.35.1 8.el8
1.539.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.
1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.
You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.540 nashorn 1.8.0_281-b09

1.540.1 Available under license :

Found license 'General Public License 2.0' in *
Copyright (c) 2010, 2013, Oracle and/or its affiliates. All rights reserved. *
This code is free software; you can redistribute it and/or modify it *
under the terms of the GNU General Public License version 2 only, as *
published by the Free Software Foundation. Oracle designates this *
particular file as subject to the "Classpath" exception as provided *
This code is distributed in the hope that it will be *
useful, but WITHOUT ANY WARRANTY; without even the implied warranty of *
MERCHANTABILITY or *
FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License *
You should have received a copy of the GNU General Public License version *
This file is available under and governed by the GNU General Public License version 2 only, as published by the Free Software Foundation. License:
Licensed under both the Apache License, Version 2.0 (the "Apache License") and the BSD License (the "BSD License"), with licensees being free to:
You may not use this file except in compliance with either the Apache License or the BSD License. If you choose to use this file in compliance with the Apache License, the:
You may obtain a copy of the Apache License at http://www.apache.org/licenses/LICENSE-2.0 distributed under the License is distributed on an "AS IS" BASIS, If you choose to use this file in compliance with the BSD License, the:
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are:
Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
Neither the name of the copyright holder nor the names of this software without specific prior written permission.

Found license 'General Public License 2.0' in *
Copyright (c) 2010, 2013, Oracle and/or its affiliates. All rights reserved. * This code is free software; you can redistribute it and/or modify it *
under the terms of the GNU General Public License version 2 only, as *
published by the Free Software Foundation. Oracle designates this *
particular file as subject to the "Classpath" exception as provided *
This code is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or *
FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License *
You should have received a copy of the GNU General Public License version'
Found license 'General Public License 2.0' in

* Copyright (c) 2010, 2013, Oracle and/or its affiliates. All rights
resumed. * This code is free software; you can redistribute it and/or modify it *
under the terms of the GNU General
Public License version 2 only, as * published by the Free Software Foundation. * This code is distributed in the
hope that it will be useful, but WITHOUT * ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or * FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License 

You should have received a copy of the GNU General Public License version'

Found license 'General Public License 2.0' in

* Copyright (c) 2010, 2013, Oracle and/or its affiliates. All rights
resumed. * This code is free software; you can redistribute it and/or modify it *
under the terms of the GNU General
Public License version 2 only, as * published by the Free Software Foundation. Oracle designates this # particular
file as subject to the "Classpath" exception as provided # This code is distributed in the hope that it will be useful,
but WITHOUT # ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or # FITNESS
FOR A PARTICULAR PURPOSE. See the GNU General Public License # You should have received a copy of the
GNU General Public License version'

1.541 xfsprogs 5.0.0 1.el8

1.541.1 Available under license :
This package was debianized by Nathan Scott nathans@debian.org on
Sun, 19 Nov 2000 07:37:09 -0500.

It can be downloaded from https://www.kernel.org/pub/linux/utils/fs/xfs/xfsprogs/

Copyright:

Copyright (c) 2000-2002 Silicon Graphics, Inc. All Rights Reserved.

You are free to distribute this software under the terms of
the GNU General Public License.
On Debian systems, the complete text of the GNU General Public
License can be found in /usr/share/common-licenses/GPL file.

The library named "libhandle" and the headers in "xfslibs-dev" are
licensed under Version 2.1 of the GNU Lesser General Public License.
On Debian systems, refer to /usr/share/common-licenses/LGPL-2.1
for the complete text of the GNU Lesser General Public License.

1.542 google-oauth-client 1.22.0

1.543 activemq-openwire-legacy 5.16.1
1.543.1 Available under license:

ActiveMQ :: Openwire Legacy Support
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.544 zlib 20200619-99.git3890db36.el8

1.544.1 Available under license:

Copyright (c) 2011, Konstantin Kfer <kkaefer@gmail.com>
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of node-zlib nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL Konstantin Kfer BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
1.545 zlib 1.2.8

1.545.1 Available under license:
Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization
obtaining a copy of the software and accompanying documentation covered by
this license (the "Software") to use, reproduce, display, distribute,
execute, and transmit the Software, and to prepare derivative works of the
Software, and to permit third-parties to whom the Software is furnished to
do so, all subject to the following:

The copyright notices in the Software and this entire statement, including
the above license grant, this restriction and the following disclaimer,
must be included in all copies of the Software, in whole or in part, and
all derivative works of the Software, unless such copies or derivative
works are solely in the form of machine-executable object code generated by
a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT
SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE
FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE,
ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER
DEALINGS IN THE SOFTWARE.

1.546 commons-logging 4.0.6

1.546.1 Available under license:
/*
 * $Revision: 1.4 $
 * $Date: 2002/04/11 13:24:02 $
 * 
 * ====================================================================
 * * The Apache Software License, Version 1.1
 * * Copyright (c) 1999-2001 The Apache Software Foundation. All rights
 * * reserved.
 * *
 * * Redistribution and use in source and binary forms, with or without
 * * modification, are permitted provided that the following conditions
 * * are met:
 * */
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgement:
   "This product includes software developed by the Apache Software Foundation (http://www.apache.org/)."
   Alternately, this acknowledgement may appear in the software itself, if and wherever such third-party acknowledgements normally appear.

4. The names "The Jakarta Project", "Commons", and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.

5. Products derived from this software may not be called "Apache" nor may "Apache" appear in their names without prior written permission of the Apache Group.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.

/
1.547 jackson-databind 2.11.1

1.547.1 Available under license:

   Apache License

   Version 2.0, January 2004

   http://www.apache.org/licenses/

   TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

   1. Definitions.

   "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

   "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

   "Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

   "You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

   "Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

   "Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

   "Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

   "Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

   "Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and
You must cause any modified files to carry prominent notices stating that You changed the files; and
You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and where such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

1.548 gdbm 1.18 1.el8
1.548.1 Available under license :
GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007, 2011 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to
avoid the special danger that patents applied to a free program could
make it effectively proprietary. To prevent this, the GPL assures that
patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and
modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of
works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this
License. Each licensee is addressed as "you". "Licensees" and
"recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work
in a fashion requiring copyright permission, other than the making of an
exact copy. The resulting work is called a "modified version" of the
earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based
on the Program.

To "propagate" a work means to do anything with it that, without
permission, would make you directly or secondarily liable for
infringement under applicable copyright law, except executing it on a
computer or modifying a private copy. Propagation includes copying,
distribution (with or without modification), making available to the
public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other
parties to make or receive copies. Mere interaction with a user through
a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices"
to the extent that it includes a convenient and prominently visible
feature that (1) displays an appropriate copyright notice, and (2)
tells the user that there is no warranty for the work (except to the
extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a
covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.
5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by
this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

   a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

   b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

   c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

   d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

   e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

   f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the
additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.
Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a
party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.549 python-dmidecode 3.12.2 15.el8

1.549.1 Available under license:

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

**NO WARRANTY**

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

**END OF TERMS AND CONDITIONS**

**How to Apply These Terms to Your New Programs**

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.550 glib 2.56.4 8.el8
1.550.1 Available under license:
This work may be reproduced and distributed in whole or in part, in any medium, physical or electronic, so as long as this copyright notice remains intact and unchanged on all copies. Commercial redistribution is permitted and encouraged, but you may not redistribute, in whole or in part, under terms more restrictive than those under which you received it. If you redistribute a modified or translated version of this work, you must also make the source code to the modified or translated version available in electronic form without charge. However, mere aggregation as part of a larger work shall not count as a modification for this purpose.

All code examples in this work are placed into the public domain, and may be used, modified and redistributed without restriction.

BECAUSE THIS WORK IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE WORK, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE WORK "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SHOULD THE WORK PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY REPAIR OR CORRECTION.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE WORK AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE WORK, EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

PCRE LICENCE
Please see the file LICENCE in the PCRE distribution for licensing details.

End

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot
effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a “work that uses the Library” with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.551 quartz 1.6.5

1.551.1 Available under license:

Apache Commons BCEL
Copyright 2004-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (https://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a ”NOTICE” text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[[]]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.552 libkcap 1.1.1 16_1.el8

1.552.1 Available under license:
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of the author may not be used to endorse or promote products derived from this software without specific prior
THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (C) 2016, Stephan Mueller <smueller@chronox.de>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

ALTERNATIVELY, this product may be distributed under the terms of the GNU General Public License, in which case the provisions of the GPL2 are required INSTEAD OF the above restrictions. (This clause is necessary due to a potential bad interaction between the GPL and the restrictions contained in a BSD-style copyright.)

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
to loss of data or data being rendered inaccurate or losses sustained by
you or third parties or a failure of the program to operate with any other
programs), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.553 dmidecode 3.12.2-15.el8

1.553.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.554 datanucleus-api-jpa 3.1.3

1.554.1 Available under license:

===================================================================================================
== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the DataNucleus distribution. ==
===================================================================================================

This product includes software developed by many individuals, including the following:

===================================================================================================
Erik Bengtson
Andy Jefferson

===================================================================================================
This product has included contributions from some individuals, including the following:

===================================================================================================

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensors" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed...
as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

Copyright 2008-2008 DataNucleus

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.555 perl-pod-simple 3.35-395.el8

1.555.1 Available under license :
No license file was found, but licenses were detected in source scan.

Removed "All rights reserved" from all files.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/10009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/ChangeLog
No license file was found, but licenses were detected in source scan.

sub dump { ']' . _esc( @{$_[0] } ) . ']' }

# JUNK:
sub _esc {
  return " " unless @_; 
  my @out; 
  foreach my $in (@_) {
    push @out, "" . $in . "";
    $out[-1] =~ s/[^[\-\:\\,:\<\"\>\/\=\?:\+\|\[\]\{\}a-zA-Z0-9_\~\!\#\$%\^\&\*()\ ]/sprintf( (ord($1) < 256) ? "\x%02X" : "\x{%X}" , ord($1))/eg;
  }
  return join ', ', @out;
}

__END__

=head1 NAME

Pod::Simple::PullParserToken -- tokens from Pod::Simple::PullParser

=head1 SYNOPSIS

Given a $parser that's an object of class Pod::Simple::PullParser
(or a subclass)... 

while(my $token = $parser->get_token) {
  $DEBUG and print STDERR "Token: ", $token->dump, "\n";
  if($token->is_start) {
    ...access $token->tagname, $token->attr, etc...
  } elsif($token->is_text) {
    ...access $token->text, $token->text_r, etc...
  } elsif($token->is_end) {
    ...access $token->tagname...
  }
}

(Also see L<Pod::Simple::PullParser>)

=head1 DESCRIPTION

When you do $parser->get_token on a L<Pod::Simple::PullParser>, you should
get an object of a subclass of Pod::Simple::PullParserToken.

Subclasses will add methods, and will also inherit these methods:
This returns the type of the token. This will be either the string "start", the string "text", or the string "end".

Once you know what the type of an object is, you then know what subclass it belongs to, and therefore what methods it supports.

Yes, you could probably do the same thing with code like $token->isa('Pod::Simple::PullParserEndToken'), but that's not so pretty as using just $token->type, or even the following shortcuts:

This is a shortcut for C<< $token->type() eq "start" >>

This is a shortcut for C<< $token->type() eq "text" >>

This is a shortcut for C<< $token->type() eq "end" >>

This returns a handy stringified value of this object. This is useful for debugging, as in:

while(my $token = $parser->get_token) {
    $DEBUG and print STDERR "Token: ", $token->dump, "\n";
    ...
}

My subclasses:
L<Pod::Simple::PullParserStartToken>,
L<Pod::Simple::PullParserTextToken>, and
L<Pod::Simple::PullParserEndToken>.

L<Pod::Simple::PullParser> and L<Pod::Simple>
Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/PullParserToken.pm
No license file was found, but licenses were detected in source scan.
=head1 NAME

Pod::Simple::Search - find POD documents in directory trees

=head1 SYNOPSIS

use Pod::Simple::Search;
my $name2path = Pod::Simple::Search->new->limit_glob('LWP::*')->survey;
print "Looky see what I found: ",
join(' ', sort keys %$name2path), "\n";

print "LWPUA docs = ",
Pod::Simple::Search->new->find('LWP::UserAgent') || "?",
"\n";

=head1 DESCRIPTION

B<Pod::Simple::Search> is a class that you use for running searches
for Pod files. An object of this class has several attributes
(mostly options for controlling search options), and some methods
for searching based on those attributes.

The way to use this class is to make a new object of this class,
set any options, and then call one of the search options
(probably C<survey> or C<find>). The sections below discuss the
syntaxes for doing all that.

=head1 CONSTRUCTOR

This class provides the one constructor, called C<new>.
It takes no parameters:

use Pod::Simple::Search;
my $search = Pod::Simple::Search->new;

=head1 ACCESSORS

This class defines several methods for setting (and, occasionally,
reading) the contents of an object. With two exceptions (discussed at
the end of this section), these attributes are just for controlling the
way searches are carried out.

Note that each of these return C<$self> when you call them as
C<< $self->I<whatever(value)>> >>. That's so that you can chain
together set-attribute calls like this:

my $name2path =
Pod::Simple::Search->new
--> inc(0) --> verbose(1) --> callback(&blab)
--> survey(@there);

...which works exactly as if you’d done this:

my $search = Pod::Simple::Search->new;
$search->inc(0);
$search->verbose(1);
$search->callback(&blab);
my $name2path = $search->survey(@there);

=item $search->inc( true-or-false );

This attribute, if set to a true value, means that searches should
implicitly add perl's @INC paths. This automatically considers paths specified in the PERL5LIB environment as this is prepended to @INC by the Perl interpreter itself. This attribute's default value is TRUE. If you want to search only specific directories, set $self->inc(0) before calling $inc->survey or $inc->find.

=item $search->verbose( nonnegative-number );

This attribute, if set to a nonzero positive value, will make searches output (via warn) notes about what they're doing as they do it. This option may be useful for debugging a pod-related module. This attribute's default value is zero, meaning that no warn messages are produced. (Setting verbose to 1 turns on some messages, and setting it to 2 turns on even more messages, i.e., makes the following search(es) even more verbose than 1 would make them.)

=item $search->limit_glob( some-glob-string );

This option means that you want to limit the results just to items whose podnames match the given glob/wildcard expression. For example, you might limit your search to just "LWP::*", to search only for modules starting with "LWP::*" (but not including the module "LWP" itself); or you might limit your search to "LW*" to see only modules whose (full) names begin with "LW"; or you might search for "*Find*" to search for all modules with "Find" somewhere in their full name. (You can also use "?" in a glob expression; so "DB?" will match "DBI" and "DBD".)

=item $search->callback( &some_routine );
This attribute means that every time this search sees a matching Pod file, it should call this callback routine. The routine is called with two parameters: the current file's filespec, and its pod name. (For example: C<"(/etc/perljunk/File/Crunk.pm", "File::Crunk")> would be in C<@_>.)

The callback routine's return value is not used for anything.

This attribute's default value is false, meaning that no callback is called.

=item $search->laborious( I<true-or-false> );

Unless you set this attribute to a true value, Pod::Search will apply Perl-specific heuristics to find the correct module PODs quickly. This attribute's default value is false. You won't normally need to set this to true.

Specifically: Turning on this option will disable the heuristics for seeing only files with Perl-like extensions, omitting subdirectories that are numeric but do I<not> match the current Perl interpreter's version ID, suppressing F<site_perl> as a module hierarchy name, etc.

=item $search->recurse( I<true-or-false> );

Unless you set this attribute to a false value, Pod::Search will recurse into subdirectories of the search directories.

=item $search->shadows( I<true-or-false> );

Unless you set this attribute to a true value, Pod::Simple::Search will consider only the first file of a given modulename as it looks thru the specified directories; that is, with this option off, if Pod::Simple::Search has seen a C<somemodulename/Foo/Bar.pm> already in this search, then it won't bother looking at a C<somelatermodulename/Foo/Bar.pm> later on in that search, because that file is merely a "shadow". But if you turn on C<< $self->shadows(1) >>, then these "shadow" files are inspected too, and are noted in the pathname2podname return hash.

This attribute's default value is false; and normally you won't need to turn it on.

=item $search->limit_re( I<some-regexp> );

Setting this attribute (to a value that's a regexp) means that you want to limit the results just to items whose podnames match the given
regexp. Normally this option is not needed, and the more efficient
C<limit_glob> attribute is used instead.

=item $search->dir_prefix( I<some-string-value> );

Setting this attribute to a string value means that the searches should
begin in the specified subdirectory name (like "Pod" or "File::Find",
also expressible as "File/Find"). For example, the search option
C<< $search->limit_glob("File::Find::R*") >>
is the same as the combination of the search options
C<< $search->limit_re("^File::Find::R") -> dir_prefix("File::Find") >>.

Normally you don't need to know about the C<dir_prefix> option, but I
include it in case it might prove useful for someone somewhere.

(Implementationally, searching with limit_glob ends up setting limit_re
and usually dir_prefix.)

=item $search->progress( I<some-progress-object> );

If you set a value for this attribute, the value is expected
to be an object (probably of a class that you define) that has a
C<reach> method and a C<done> method. This is meant for reporting
progress during the search, if you don't want to use a simple
callback.

Normally you don't need to know about the C<progress> option, but I
include it in case it might prove useful for someone somewhere.

While a search is in progress, the progress object's C<reach> and
C<done> methods are called like this:

# Every time a file is being scanned for pod:
$progress->reach($count, "Scanning $file");  ++$count;

# And then at the end of the search:
$progress->done("Noted $count Pod files total");

Internally, we often set this to an object of class
Pod::Simple::Progress. That class is probably undocumented,
but you may wish to look at its source.

=item $name2path = $self->name2path;

This attribute is not a search parameter, but is used to report the
result of C<survey> method, as discussed in the next section.

=item $path2name = $self->path2name;

This attribute is not a search parameter, but is used to report the
result of C<survey> method, as discussed in the next section.

=back

=head1 MAIN SEARCH METHODS

Once you've actually set any options you want (if any), you can go
ahead and use the following methods to search for Pod files
in particular ways.

=head2 C<< $search->survey( @directories ) >>

The method C<survey> searches for POD documents in a given set of
files and/or directories. This runs the search according to the various
options set by the accessors above. (For example, if the C<inc> attribute
is on, as it is by default, then the perl @INC directories are implicitly
added to the list of directories (if any) that you specify.)

The return value of C<survey> is two hashes:

=over

=item C<name2path>

A hash that maps from each pod-name to the filespec (like
"Stuff::Thing" => "/whatever/plib/Stuff/Thing.pm")

=item C<path2name>

A hash that maps from each Pod filespec to its pod-name (like
"/whatever/plib/Stuff/Thing.pm" => "Stuff::Thing")

=back

Besides saving these hashes as the hashref attributes
C<name2path> and C<path2name>, calling this function also returns
these hashrefs. In list context, the return value of
C<< $search->survey >> is the list C<\%name2path, \%path2name>.
In scalar context, the return value is C<\%name2path>.
Or you can just call this in void context.

Regardless of calling context, calling C<survey> saves
its results in its C<name2path> and C<path2name> attributes.

E.g., when searching in F<$HOME/perl5lib>, the file
F<$HOME/perl5lib/MyModule.pm> would get the POD name I<MyModule>,
whereas F<$HOME/perl5lib/Myclass/Subclass.pm> would be
I<Myclass::Subclass>. The name information can be used for POD
translators.

Only text files containing at least one valid POD command are found.

In verbose mode, a warning is printed if shadows are found (i.e., more
than one POD file with the same POD name is found, e.g. F<CPAN.pm> in
different directories). This usually indicates duplicate occurrences of
modules in the I<@INC> search path, which is occasionally inadvertent
(but is often simply a case of a user's path dir having a more recent
version than the system's general path dirs in general.)

The options to this argument is a list of either directories that are
searched recursively, or files. (Usually you wouldn't specify files,
but just dirs.) Or you can just specify an empty-list, as in
$name2path; with the C<inc> option on, as it is by default.

The POD names of files are the plain basenames with any Perl-like
extension (.pm, .pl, .pod) stripped, and path separators replaced by
C<>'s.

Calling Pod::Simple::Search->search(...) is short for
Pod::Simple::Search->new->search(...). That is, a throwaway object
with default attribute values is used.

=head2 C<< $search->simplify_name( $str ) >>

The method B<simplify_name> is equivalent to B<basename>, but also
strips Perl-like extensions (.pm, .pl, .pod) and extensions like
F<.bat>, F<.cmd> on Win32 and OS/2, or F<.com> on VMS, respectively.

=head2 C<< $search->find( $pod ) >>

=head2 C<< $search->find( $pod, @search_dirs ) >>

Returns the location of a Pod file, given a Pod/module/script name
(like "Foo::Bar" or "perlvar" or "perldoc"), and an idea of
what files/directories to look in.
It searches according to the various options set by the accessors above.
(For example, if the C<inc> attribute is on, as it is by default, then
the perl @INC directories are implicitly added to the list of
directories (if any) that you specify.)

This returns the full path of the first occurrence to the file.
Package names (eg 'A::B') are automatically converted to directory
names in the selected directory. Additionally, '.pm', '.pl' and '.pod'
are automatically appended to the search as required.
(So, for example, under Unix, "A::B" is converted to "somedir/A/B.pm",
"somedir/A/B.pod", or "somedir/A/B.pl", as appropriate.)

If no such Pod file is found, this method returns undef.

If any of the given search directories contains a F<pod/> subdirectory,
then it is searched. (That's how we manage to find F<perlfunc>,
for example, which is usually in F<pod/perlfunc> in most Perl dists.)

The C<verbose> and C<inc> attributes influence the behavior of this
search; notably, C<inc>, if true, adds @INC I<and also
$Config::Config{'scriptdir'}> to the list of directories to search.

It is common to simply say C<< $filename = Pod::Simple::Search-> new
->find("perlvar") >> so that just the @INC (well, and scriptdir)
directories are searched. (This happens because the C<inc>
attribute is true by default.)

Calling Pod::Simple::Search->find(...) is short for
Pod::Simple::Search->new->find(...). That is, a throwaway object
with default attribute values is used.

=head2 $self->contains_pod( $file )

Returns true if the supplied filename (not POD module) contains some Pod
documentation.

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the
pod-people@perl.org mail list. Send an empty email to
pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository,
L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or
to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to
<bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS
Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org> with code borrowed from Marek Rouchal's L<Pod::Find>, which in turn heavily borrowed code from Nick Ing-Simmons' C<PodToHtml>.

But don't bother him, he's retired.

Pod::Simple is maintained by:

=over
=item * Allison Randal C<allison@perl.org>
=item * Hans Dieter Pearcey C<hdp@cpan.org>
=item * David E. Wheeler C<dwheeler@cpan.org>
=back
=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/Search.pm

No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::XMLOutStream -- turn Pod into XML

=head1 SYNOPSIS

perl -MPod::Simple::XMLOutStream -e \"
"exit Pod::Simple::XMLOutStream-&gt;filter(shift)-&gt;any_errata_seen" \thingy.pod
=head1 DESCRIPTION

Pod::Simple::XMLOutStream is a subclass of L<Pod::Simple> that parses Pod and turns it into XML.

Pod::Simple::XMLOutStream inherits methods from L<Pod::Simple>.

=head1 SEE ALSO

L<Pod::Simple::DumpAsXML> is rather like this class; see its documentation for a discussion of the differences.

L<Pod::Simple>, L<Pod::Simple::DumpAsXML>, L<Pod::SAX>

L<Pod::Simple::Subclassing>

The older (and possibly obsolete) libraries L<Pod::PXML>, L<Pod::XML>

=head1 ABOUT EXTENDING POD

TODO: An example or two of =extend, then point to Pod::Simple::Subclassing

=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::Text>, L<Pod::Spell>

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002-2004 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
This program is distributed in the hope that it will be useful, but
without any warranty; without even the implied warranty of
merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But
don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/XMLOutStream.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::PullParserTextToken -- text-tokens from Pod::Simple::PullParser

=head1 SYNOPSIS

(See L<Pod::Simple::PullParser>)

=head1 DESCRIPTION

When you do $parser->get_token on a L<Pod::Simple::PullParser>, you might
get an object of this class.

This is a subclass of L<Pod::Simple::PullParserToken> and inherits all its methods,
and adds these methods:
This returns the text that this token holds. For example, parsing
CZ<>foo> will return a C start-token, a text-token, and a C end-token. And
if you want to get the "foo" out of the text-token, call C<< $token->text >>

This changes the string that this token holds. You probably won't need
to do this.

This returns a scalar reference to the string that this token holds.
This can be useful if you don't want to memory-copy the potentially
large text value (well, as large as a paragraph or a verbatim block)
as calling $token->text would do.

Or, if you want to alter the value, you can even do things like this:

for ( $_ = $token->text_r ) {  # Aliases it with $_ !
    $s = s/ The / the /g;  # just for example
    if( 'A' eq chr(65) ) {  # (if in an ASCII world)
        tr/\xA0//;  # (ASCII)
        tr/\xAD//d;
    }
    ...or however you want to alter the value...
    (Note that starting with Perl v5.8, you can use, e.g.,
    my $nbsp = chr utf8::unicode_to_native(0xA0);
    s/$nbsp/ /g;
    )
}

You're unlikely to ever need to construct an object of this class for
yourself, but if you want to, call
C<<
Pod::Simple::PullParserTextToken->new( I<text> )
C>>

=head1 SEE ALSO
 Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-
NAME
perlfaq3 - Programming Tools ($Revision: 1.38 $, $Date: 1999/05/23 16:08:30 $)

DESCRIPTION
This section of the FAQ answers questions related to programmer tools and programming support.

How do I do (anything)?
Have you looked at CPAN (see perlfaq2)? The chances are that someone has already written a module that can solve your problem. Have you read the appropriate man pages? Here's a brief index:

- Basics: perldata, perlvar, perlsyn, perlop, perlsup
- Execution: perlrun, perldebug
- Functions: perlfunc
- Objects: perlref, perlmod, perlobj, perlite
- Data Structures: perlref, perllocl, perldsc
- Modules: perlmod, perlmodlib, perlsub
- Regexes: perlre, perlfunc, perlrop, perllocale
- Moving to perl5: perltrap, perl
- Linking w/C: perlxstut, perlxs, perlcall, perlguts, perlembd
  (not a man-page but still useful)

A crude table of contents for the Perl man page set is found in perltoc.

How can I use Perl interactively?
The typical approach uses the Perl debugger, described in the perldebug(1) man page, on an ``empty'' program, like this:

perl -de 42

Now just type in any legal Perl code, and it will be immediately evaluated. You can also examine the symbol table, get stack backtraces, check variable values, set breakpoints, and other operations typically found in symbolic debuggers.

Is there a Perl shell?
In general, no. The Shell.pm module (distributed with Perl) makes Perl try commands which aren't part of the Perl language as shell commands. perlsh from the source distribution is simplistic and uninteresting, but may still be what you want.

How do I debug my Perl programs?
Have you tried use warnings or used -w? They enable warnings to detect dubious practices.
Have you tried use strict? It prevents you from using symbolic references, makes you predeclare any subroutines that you call as bare words, and (probably most importantly) forces you to predeclare your variables with my, our, or use vars.
Did you check the return values of each and every system call? The operating system (and thus Perl) tells you whether they worked, and if not why.
open(FH, ">/etc/cantwrite")
  or die "Couldn't write to /etc/cantwrite: $!

Did you read perltrap? It's full of gotchas for old and new Perl programmers and even has sections for those of you who are upgrading from languages like awk and C.

Have you tried the Perl debugger, described in perldebug? You can step through your program and see what it's doing and thus work out why what it's doing isn't what it should be doing.

How do I profile my Perl programs?
You should get the Devel::DProf module from the standard distribution (or separately on CPAN) and also use...
Benchmark.pm from the standard distribution. The Benchmark module lets you time specific portions of your code,
while Devel::DProf gives detailed breakdowns of where your code spends its time.
Here's a sample use of Benchmark:
use Benchmark;
@junk = `cat /etc/motd`;
$count = 10_000;
timethese($count, {
'map' => sub { my @a = @junk;
map { s/a/b/ } @a;
return @a
},
'for' => sub { my @a = @junk;
local $_;
for (@a) { s/a/b/ };
return @a },
});
This is what it prints (on one machine--your results will be dependent on your hardware, operating system, and the
load on your machine):
Benchmark: timing 10000 iterations of for, map...
for: 4 secs ( 3.97 usr 0.01 sys = 3.98 cpu)
map: 6 secs ( 4.97 usr 0.00 sys = 4.97 cpu)
Be aware that a good benchmark is very hard to write. It only tests the data you give it and proves little about the
differing complexities of contrasting algorithms.
How do I cross-reference my Perl programs?
The B::Xref module, shipped with the new, alpha-release Perl compiler (not the general distribution prior to the
5.005 release), can be used to generate cross-reference reports for Perl programs.
perl -MO=Xref[,OPTIONS] scriptname.plx
Is there a pretty-printer (formatter) for Perl?
There is no program that will reformat Perl as much as indent(1) does for C. The complex feedback between the
scanner and the parser (this feedback is what confuses the vgrind and emacs programs) makes it challenging at best
to write a stand-alone Perl parser.
Of course, if you simply follow the guidelines in perlstyle, you shouldn't need to reformat. The habit of formatting
your code as you write it will help prevent bugs. Your editor can and should help you with this. The perl-mode or
newer cperl-mode for emacs can provide remarkable amounts of help with most (but not all) code, and even less
programmable editors can provide significant assistance. Tom swears by the following settings in vi and its clones:
set ai sw=4
map! ^O {^M}^[O^T
Now put that in your .exrc file (replacing the caret characters with control characters) and away you go. In insert
mode, ^T is for indenting, ^D is for undenting, and ^O is for blockdenting-- as it were. If you haven't used the last
one, you're missing a lot. A more complete example, with comments, can be found at http://www.perl.com/CPANlocal/authors/id/TOMC/scripts/toms.exrc.gz
If you are used to using the vgrind program for printing out nice code to a laser printer, you can take a stab at this
using http://www.perl.com/CPAN/doc/misc/tips/working.vgrind.entry, but the results are not particularly satisfying
for sophisticated code.
The a2ps at http://www.infres.enst.fr/%7Edemaille/a2ps/ does lots of things related to generating nicely printed
output of documents.
Is there a ctags for Perl?
There's a simple one at http://www.perl.com/CPAN/authors/id/TOMC/scripts/ptags.gz which may do the trick. And

Open Source Used In CSPC_Collector 2.9.1 5459


if not, it's easy to hack into what you want.
Is there an IDE or Windows Perl Editor?
Perl programs are just plain text, so any editor will do.
If you're on Unix, you already have an IDE--Unix itself. The UNIX philosophy is the philosophy of several small
tools that each do one thing and do it well. It's like a carpenter's toolbox.
If you want a Windows IDE, check the following:

- **CodeMagicCD**
  http://www.codemagiccd.com/
- **Komodo**
  ActiveState's cross-platform, multi-language IDE has Perl support, including a regular expression debugger and
remote debugging (http://www.ActiveState.com/Products/Komodo/index.html). (Visual Perl, a Visual Studio.NET
plug-in is currently (early 2001) in beta (http://www.ActiveState.com/Products/VisualPerl/index.html)).

- **The Object System**
  (http://www.castlelink.co.uk/object_system/) is a Perl web applications development IDE.
- **PerlBuilder**
  (http://www.solutionsoft.com/perl.htm) is an integrated development environment for Windows that supports Perl
development.
- **Perl code magic**
  (http://www.petes-place.com/codemagic.html).
- **visiPerl+**
  http://helpconsulting.net/visiperl/, from Help Consulting.

For editors: if you're on Unix you probably have vi or a vi clone already, and possibly an emacs too, so you may not
need to download anything. In any emacs the cperl-mode (M-x cperl-mode) gives you perhaps the best available
Perl editing mode in any editor.

For Windows editors: you can download an Emacs
- **GNU Emacs**
  http://www.gnu.org/software/emacs/windows/ntemacs.html
- **MicroEMACS**
  http://members.nbci.com/uemacs/
- **XEmacs**
  http://www.xemacs.org/Download/index.html
or a vi clone such as
- **Elvis**
- **Vile**
  http://vile.cx/
- **Vim**
  http://www.vim.org/
- **win32**: http://www.cs.vu.nl/%7Etmgil/vi.html


- **nvi** (http://www.bostic.com/vi/, available from CPAN in src/misc/) is yet another vi clone, unfortunately not
available for Windows, but in UNIX platforms you might be interested in trying it out, firstly because strictly
speaking it is not a vi clone, it is the real vi, or the new incarnation of it, and secondly because you can embed Perl
inside it to use Perl as the scripting language. nvi is not alone in this, though: at least also vim and vile offer an
embedded Perl.

The following are Win32 multilanguage editor/IDESs that support Perl:
- **Codewright**
  http://www.starbase.com/
MultiEdit
SlickEdit
http://www.slickedit.com/

There is also a toyedit Text widget based editor written in Perl that is distributed with the Tk module on CPAN. The ptkdb (http://world.std.com/~aep/ptkdb/) is a Perl/tk based debugger that acts as a development environment of sorts. Perl Composer (http://perlcomposer.sourceforge.net/ver.html) is an IDE for Perl/Tk GUI creation. In addition to an editor/IDE you might be interested in a more powerful shell environment for Win32. Your options include

Bash
from the Cygwin package (http://sources.redhat.com/cygwin/)

Ksh
from the MKS Toolkit (http://www.mks.com/), or the Bourne shell of the U/WIN environment (http://www.research.att.com/sw/tools/uwin/)

Tcsh

Zsh
ftp://ftp.blarg.net/users/amol/zsh/, see also http://www.zsh.org/

MKS and U/WIN are commercial (U/WIN is free for educational and research purposes), Cygwin is covered by the GNU Public License (but that shouldn't matter for Perl use). The Cygwin, MKS, and U/WIN all contain (in addition to the shells) a comprehensive set of standard UNIX toolkit utilities.

If you're transferring text files between Unix and Windows using FTP be sure to transfer them in ASCII mode so the ends of lines are appropriately converted.

On Mac OS the MacPerl Application comes with a simple 32k text editor that behaves like a rudimentary IDE. In contrast to the MacPerl Application the MPW Perl tool can make use of the MPW Shell itself as an editor (with no 32k limit).

BBEdit and BBEdit Lite
are text editors for Mac OS that have a Perl sensitivity mode (http://web.barebones.com/).

Alpha
is an editor, written and extensible in Tcl, that nonetheless has built in support for several popular markup and programming languages including Perl and HTML (http://alpha.olm.net/).

Pepper and Pe are programming language sensitive text editors for Mac OS X and BeOS respectively (http://www.hekkelman.com/).

Where can I get Perl macros for vi?
For a complete version of Tom Christiansen's vi configuration file, see
http://www.perl.com/CPAN/authors/Tom_Christiansen/scripts/toms.exrc.gz , the standard benchmark file for vi emulators. The file runs best with nvi, the current version of vi out of Berkeley, which incidentally can be built with an embedded Perl interpreter--see http://www.perl.com/CPAN/src/misc.

Where can I get perl-mode for emacs?
Since Emacs version 19 patchlevel 22 or so, there have been both a perl-mode.el and support for the Perl debugger built in. These should come with the standard Emacs 19 distribution.

In the Perl source directory, you'll find a directory called "emacs", which contains a cperl-mode that color-codes keywords, provides context-sensitive help, and other nifty things.

Note that the perl-mode of emacs will have fits with "main'foo" (single quote), and mess up the indentation and highlighting. You are probably using "main::foo" in new Perl code anyway, so this shouldn't be an issue.

How can I use curses with Perl?
The Curses module from CPAN provides a dynamically loadable object module interface to a curses library. A small demo can be found at the directory http://www.perl.com/CPAN/authors/Tom_Christiansen/scripts/rep; this
program repeats a command and updates the screen as needed, rendering `ps au` similar to `top`.

How can I use X or Tk with Perl?

Tk is a completely Perl-based, object-oriented interface to the Tk toolkit that doesn't force you to use Tcl just to get at Tk. Sx is an interface to the Athena Widget set. Both are available from CPAN. See the directory http://www.perl.com/CPAN/modules/by-category/08_User_Interfaces/


How can I generate simple menus without using CGI or Tk?

The http://www.perl.com/CPAN/authors/id/SKUNZ/perlmenu.v4.0.tar.gz module, which is curses-based, can help with this.

What is undump?

See the next question on "How can I make my Perl program run faster?"

How can I make my Perl program run faster?

The best way to do this is to come up with a better algorithm. This can often make a dramatic difference. Jon Bentley's book "Programming Pearls" (that's not a misspelling!) has some good tips on optimization, too. Advice on benchmarking boils down to: benchmark and profile to make sure you're optimizing the right part, look for better algorithms instead of microtuning your code, and when all else fails consider just buying faster hardware.

A different approach is to autoload seldom-used Perl code. See the AutoSplit and AutoLoader modules in the standard distribution for that. Or you could locate the bottleneck and think about writing just that part in C, the way we used to take bottlenecks in C code and write them in assembler. Similar to rewriting in C, modules that have critical sections can be written in C (for instance, the PDL module from CPAN).

In some cases, it may be worth it to use the backend compiler to produce byte code (saving compilation time) or compile into C, which will certainly save compilation time and sometimes a small amount (but not much) execution time. See the question about compiling your Perl programs for more on the compiler--the wins aren't as obvious as you'd hope.

If you're currently linking your perl executable to a shared libc.so, you can often gain a 10-25% performance benefit by rebuilding it to link with a static libc.a instead. This will make a bigger perl executable, but your Perl programs (and programmers) may thank you for it. See the INSTALL file in the source distribution for more information. Unsubstantiated reports allege that Perl interpreters that use sfio outperform those that don't (for I/O intensive applications). To try this, see the INSTALL file in the source distribution, especially the "Selecting File I/O mechanisms" section.

The undump program was an old attempt to speed up your Perl program by storing the already-compiled form to disk. This is no longer a viable option, as it only worked on a few architectures, and wasn't a good solution anyway.

How can I make my Perl program take less memory?

When it comes to time-space tradeoffs, Perl nearly always prefers to throw memory at a problem. Scalars in Perl use more memory than strings in C, arrays take more than that, and hashes use even more. While there's still a lot to be done, recent releases have been addressing these issues. For example, as of 5.004, duplicate hash keys are shared amongst all hashes using them, so require no reallocation.

In some cases, using `substr()` or `vec()` to simulate arrays can be highly beneficial. For example, an array of a thousand booleans will take at least 20,000 bytes of space, but it can be turned into one 125-byte bit vector—a considerable memory savings. The standard Tie::SubstrHash module can also help for certain types of data structure. If you're working with specialist data structures (matrices, for instance) modules that implement these in C may use less memory than equivalent Perl modules.

Another thing to try is learning whether your Perl was compiled with the system malloc or with Perl's built-in malloc. Whichever one it is, try using the other one and see whether this makes a difference. Information about malloc is in the INSTALL file in the source distribution. You can find out whether you are using perl's malloc by typing `perl -V:usemymalloc`. 

Open Source Used In CSPC_Collector 2.9.1 5462
Is it unsafe to return a pointer to local data?
No, Perl's garbage collection system takes care of this.
sub makeone {
    my @a = ( 1 .. 10 );
    return \@a;
}
for $i ( 1 .. 10 ) {
    push @many, makeone();
}
print $many[4][5], "\n"
print "@many\n";

How can I free an array or hash so my program shrinks?
You can't. On most operating systems, memory allocated to a program can never be returned to the system. That's why long-running programs sometimes re-exec themselves. Some operating systems (notably, FreeBSD and Linux) allegedly reclaim large chunks of memory that is no longer used, but it doesn't appear to happen with Perl (yet). The Mac appears to be the only platform that will reliably (albeit, slowly) return memory to the OS.
We've had reports that on Linux (Redhat 5.1) on Intel, undef $scalar will return memory to the system, while on Solaris 2.6 it won't. In general, try it yourself and see.
However, judicious use of my() on your variables will help make sure that they go out of scope so that Perl can free up that space for use in other parts of your program. A global variable, of course, never goes out of scope, so you can't get its space automatically reclaimed, although undef()ing and/or delete()ing it will achieve the same effect. In general, memory allocation and de-allocation isn't something you can or should be worrying about much in Perl, but even this capability (preallocation of data types) is in the works.
How can I make my CGI script more efficient?
Beyond the normal measures described to make general Perl programs faster or smaller, a CGI program has additional issues. It may be run several times per second. Given that each time it runs it will need to be re-compiled and will often allocate a megabyte or more of system memory, this can be a killer. Compiling into C isn't going to help you because the process start-up overhead is where the bottleneck is.
There are two popular ways to avoid this overhead. One solution involves running the Apache HTTP server (available from http://www.apache.org/) with either of the mod_perl or mod_fastcgi plugin modules.
With mod_perl and the Apache::Registry module (distributed with mod_perl), httpd will run with an embedded Perl interpreter which pre-compiles your script and then executes it within the same address space without forking. The Apache extension also gives Perl access to the internal server API, so modules written in Perl can do just about anything a module written in C can. For more on mod_perl, see http://perl.apache.org/
With the FCGI module (from CPAN) and the mod_fastcgi module (available from http://www.fastcgi.com/) each of your Perl programs becomes a permanent CGI daemon process.
Both of these solutions can have far-reaching effects on your system and on the way you write your CGI programs, so investigate them with care.
A non-free, commercial product, "The Velocity Engine for Perl", (http://www.binevolve.com/ or http://www.binevolve.com/velocigen/ ) might also be worth looking at. It will allow you to increase the performance of your Perl programs, running programs up to 25 times faster than normal CGI Perl when running in persistent Perl mode or 4 to 5 times faster without any modification to your existing CGI programs. Fully functional evaluation copies are available from the web site.
How can I hide the source for my Perl program?
Delete it. :-) Seriously, there are a number of (mostly unsatisfactory) solutions with varying levels of "security".
First of all, however, you can't take away read permission, because the source code has to be readable in order to be compiled and interpreted. (That doesn't mean that a CGI script's source is readable by people on the web, though--
only by people with access to the filesystem.) So you have to leave the permissions at the socially friendly 0755 level.

Some people regard this as a security problem. If your program does insecure things and relies on people not knowing how to exploit those insecurities, it is not secure. It is often possible for someone to determine the insecure things and exploit them without viewing the source. Security through obscurity, the name for hiding your bugs instead of fixing them, is little security indeed.

You can try using encryption via source filters (Filter::* from CPAN), but any decent programmer will be able to decrypt it. You can try using the byte code compiler and interpreter described below, but the curious might still be able to de-compile it. You can try using the native-code compiler described below, but crackers might be able to disassemble it. These pose varying degrees of difficulty to people wanting to get at your code, but none can definitively conceal it (true of every language, not just Perl).

If you're concerned about people profiting from your code, then the bottom line is that nothing but a restrictive license will give you legal security. License your software and pepper it with threatening statements like “This is unpublished proprietary software of XYZ Corp. Your access to it does not give you permission to use it blah blah blah.” We are not lawyers, of course, so you should see a lawyer if you want to be sure your license's wording will stand up in court.

How can I compile my Perl program into byte code or C?

Malcolm Beattie has written a multifunction backend compiler, available from CPAN, that can do both these things. It is included in the perl5.005 release, but is still considered experimental. This means it's fun to play with if you're a programmer but not really for people looking for turn-key solutions.

Merely compiling into C does not in and of itself guarantee that your code will run very much faster. That's because except for lucky cases where a lot of native type inferencing is possible, the normal Perl run-time system is still present and so your program will take just as long to run and be just as big. Most programs save little more than compilation time, leaving execution no more than 10-30% faster. A few rare programs actually benefit significantly (even running several times faster), but this takes some tweaking of your code.

You'll probably be astonished to learn that the current version of the compiler generates a compiled form of your script whose executable is just as big as the original perl executable, and then some. That's because as currently written, all programs are prepared for a full eval() statement. You can tremendously reduce this cost by building a shared libperl.so library and linking against that. See the INSTALL podfile in the Perl source distribution for details.

If you link your main perl binary with this, it will make it minuscule. For example, on one author's system, /usr/bin/perl is only 11k in size!

In general, the compiler will do nothing to make a Perl program smaller, faster, more portable, or more secure. In fact, it can make your situation worse. The executable will be bigger, your VM system may take longer to load the whole thing, the binary is fragile and hard to fix, and compilation never stopped software piracy in the form of crackers, viruses, or bootleggers. The real advantage of the compiler is merely packaging, and once you see the size of what it makes (well, unless you use a shared libperl.so), you'll probably want a complete Perl install anyway.

How can I compile Perl into Java?

You can also integrate Java and Perl with the Perl Resource Kit from O'Reilly and Associates. See http://www.oreilly.com/catalog/prkunix/.

Perl 5.6 comes with Java Perl Lingo, or JPL. JPL, still in development, allows Perl code to be called from Java. See jpl/README in the Perl source tree.

How can I get #!perl to work on [MS-DOS,NT,...]?

For OS/2 just use

```
  extproc perl -S -your_switches
```

as the first line in *.cmd file (-S due to a bug in cmd.exe's `extproc' handling). For DOS one should first invent a corresponding batch file and codify it in ALTERNATIVE_SHEBANG (see the INSTALL file in the source distribution for more information).

The Win95/NT installation, when using the ActiveState port of Perl, will modify the Registry to associate the .pl
extension with the perl interpreter. If you install another port, perhaps even building your own Win95/NT Perl from the
standard sources by using a Windows port of gcc (e.g., with cygwin or mingw32), then you'll have to modify the
Registry yourself. In addition to associating .pl with the interpreter, NT people can use: SET
PATH\EXTENSION=%PATH\EXTENSION%;.PL to let them run the program install-linux.pl merely by typing install-linux.
Macintosh Perl programs will have the appropriate Creator and Type, so that double-clicking them will invoke the
Perl application.
IMPORTANT!! Whatever you do, PLEASE don't get frustrated, and just throw the perl interpreter into your cgi-bin
directory, in order to get your programs working for a web server. This is an EXTREMELY big security risk. Take
the time to figure out how to do it correctly.
Can I write useful Perl programs on the command line?
Yes. Read perlrun for more information. Some examples follow. (These assume standard Unix shell quoting rules.)
# sum first and last fields
perl -lane 'print $F[0] + $F[-1]' *
# identify text files
perl -le 'for (@ARGV) {print if -f && -T _}' *
# remove (most) comments from C program
perl -0777 -pe 's{/\*.*?\*/}{ }gs' foo.c
# make file a month younger than today, defeating reaper daemons
perl -e '$X=24*60*60; utime(time(),time() + 30 * $X,@ARGV)' *
# find first unused uid
perl -le '$i++ while getpwuid($i); print $i'
# display reasonable manpath
echo $PATH | perl -nl -072 -e '
  s!^[^/+]*$!man!&&-d&&!$s{$_}++&&push@m,$_;END{print"@m"}"
OK, the last one was actually an Obfuscated Perl Contest entry. :-)
Why don't Perl one-liners work on my DOS/Mac/VMS system?
The problem is usually that the command interpreters on those systems have rather different ideas about quoting
than the Unix shells under which the one-liners were created. On some systems, you may have to change single-
quotes to double ones, which you must NOT do on Unix or Plan9 systems. You might also have to change a single
% to a %%.
For example:
  # Unix
  perl -e 'print "Hello world\n"'
  # DOS, etc.
  perl -e "print \"Hello world\n\"
  # Mac
  print "Hello world\n"
  (then Run "Myscript" or Shift-Command-R)
  # VMS
  perl -e "print ""Hello world\n""
The problem is that none of these examples are reliable: they depend on the command interpreter. Under Unix, the
first two often work. Under DOS, it's entirely possible that neither works. If 4DOS was the command shell, you'd
probably have better luck like this:
  perl -e "print <Ctrl-x>"Hello world\n<Ctrl-x>""
Under the Mac, it depends which environment you are using. The MacPerl shell, or MPW, is much like Unix shells
in its support for several quoting variants, except that it makes free use of the Mac's non-ASCII characters as control
characters.
Using qq(), q(), and qx(), instead of "double quotes", 'single quotes', and `backticks`, may make one-liners easier to
write.
There is no general solution to all of this. It is a mess, pure and simple. Sucks to be away from Unix, huh? :-)
[Some of this answer was contributed by Kenneth Albanowski.]
Where can I learn about CGI or Web programming in Perl?
For modules, get the CGI or LWP modules from CPAN. For textbooks, see the two especially dedicated to web stuff in the question on books. For problems and questions related to the web, like "Why do I get 500 Errors" or "Why doesn't it run from the browser right when it runs fine on the command line", see these sources:

WWW Security FAQ
http://www.w3.org/Security/Faq/

Web FAQ
http://www.boutell.com/faq/

CGI FAQ
http://www.webthing.com/tutorials/cgifaq.html

HTTP Spec
http://www.w3.org/pub/WWW/Protocols/HTTP/

HTML Spec
http://www.w3.org/TR/REC-html40/

CGI Spec
http://www.w3.org/CGI/

CGI Security FAQ
http://www.go2net.com/people/paulp/cgi-security/safe-cgi.txt

Where can I learn about object-oriented Perl programming?
A good place to start is perltoot, and you can use perlobj, perlboot, and perlbot for reference. Perltoot didn't come out until the 5.004 release; you can get a copy (in pod, html, or postscript) from http://www.perl.com/CPAN/doc/FMTEYEWTK/.

Where can I learn about linking C with Perl? [h2xs, xsubpp]
If you want to call C from Perl, start with perlxstut, moving on to perlxss, xsubpp, and perlguts. If you want to call Perl from C, then read perlembed, percall, and perlguts. Don't forget that you can learn a lot from looking at how the authors of existing extension modules wrote their code and solved their problems.
I've read perlembed, perlguts, etc., but I can't embed perl in my C program; what am I doing wrong?
Download the ExtUtils::Embed kit from CPAN and run `make test'. If the tests pass, read the pods again and again and again. If they fail, see perlbug and send a bug report with the output of make test TEST_VERBOSE=1 along with perl -V.

When I tried to run my script, I got this message. What does it mean?
A complete list of Perl's error messages and warnings with explanatory text can be found in perldiag. You can also use the splain program (distributed with Perl) to explain the error messages:

    perl program 2>diag.out
    splain [-v] [-p] diag.out

or change your program to explain the messages for you:

    use diagnostics;

or

    use diagnostics -verbose;

What's MakeMaker?
This module (part of the standard Perl distribution) is designed to write a Makefile for an extension module from a Makefile.PL. For more information, see ExtUtils::MakeMaker.

AUTHOR AND COPYRIGHT
Copyright (c) 1997-1999 Tom Christiansen and Nathan Torkington. All rights reserved.
When included as an integrated part of the Standard Distribution of Perl or of its documentation (printed or otherwise), this work is covered under Perl's Artistic License. For separate distributions of all or part of this FAQ outside of that, see perlfaq.

Irrespective of its distribution, all code examples here are in the public domain. You are permitted and encouraged to use this code and any derivatives thereof in your own programs for fun or for profit as you see fit. A simple comment in the code giving credit to the FAQ would be courteous but is not required.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-
archive-dyJzwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/t/perlfaqo.txt

No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::PullParserStartToken -- start-tokens from Pod::Simple::PullParser

=head1 SYNOPSIS

(See L<Pod::Simple::PullParser>)

=head1 DESCRIPTION

When you do $parser->get_token on a L<Pod::Simple::PullParser> object, you might get an object of this class.

This is a subclass of L<Pod::Simple::PullParserToken> and inherits all its methods, and adds these methods:

=over

=item $token->tagname

This returns the tagname for this start-token object.

For example, parsing a "=head1 ..." line will give you a start-token with the tagname of "head1", token(s) for its content, and then an end-token with the tagname of "head1".

=item $token->tagname(I<somestring>)

This changes the tagname for this start-token object.

You probably won't need to do this.

=item $token->tag(...)

A shortcut for $token->tagname(...)

=item $token->is_tag(I<somestring>) or $token->is_tagname(I<somestring>)
These are shortcuts for C<< $token->tag() eq $somestring >>

=item $token->attr($attrname)

This returns the value of the $attrname attribute for this start-token object, or undef.

For example, parsing a LZ<< Foo/"Bar" >> link will produce a start-token with a "to" attribute with the value "Foo", a "type" attribute with the value "pod", and a "section" attribute with the value "Bar".

=item $token->attr($attrname, $newvalue)

This sets the $attrname attribute for this start-token object to $newvalue. You probably won't need to do this.

=item $token->attr_hash

This returns the hashref that is the attribute set for this start-token. This is useful if (for example) you want to ask what all the attributes are -- you can just do C<< keys %{$token->attr_hash} >>

=back

You're unlikely to ever need to construct an object of this class for yourself, but if you want to, call

C<<
Pod::Simple::PullParserStartToken->new( $tagname, $attrhash )
>>

=head1 SEE ALSO

L<Pod::Simple::PullParserToken>, L<Pod::Simple>, L<Pod::Simple::Subclassing>

=head1 SEE ALSO

L<Pod::Simple::PullParserToken>, L<Pod::Simple>, L<Pod::Simple::Subclassing>

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or
to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>.
But don't bother him, he's retired.

Pod::Simple is maintained by:

=over
=item * Allison Randal <allison@perl.org>
=item * Hans Dieter Pearcey <hdp@cpan.org>
=item * David E. Wheeler <dwheeler@cpan.org>
=back
=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/PullParserStartToken.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple - framework for parsing Pod

=head1 SYNOPSIS

TODO
=head1 DESCRIPTION

Pod::Simple is a Perl library for parsing text in the Pod ("plain old documentation") markup language that is typically used for writing documentation for Perl and for Perl modules. The Pod format is explained in L<perlpod>; the most common formatter is called C<perldoc>.

Be sure to read L</ENCODING> if your Pod contains non-ASCII characters.

Pod formatters can use Pod::Simple to parse Pod documents and render them into plain text, HTML, or any number of other formats. Typically, such formatters will be subclasses of Pod::Simple, and so they will inherit its methods, like C<pod_file>.

If you're reading this document just because you have a Pod-processing subclass that you want to use, this document (plus the documentation for the subclass) is probably all you need to read.

If you're reading this document because you want to write a formatter subclass, continue reading it and then read L<Pod::Simple::Subclassing>, and then possibly even read L<perlpodspec> (some of which is for parser-writers, but much of which is notes to formatter-writers).

=head1 MAIN METHODS

=over

=item C<< $parser = I<SomeClass>-new(); >>

This returns a new parser object, where I<C<SomeClass>> is a subclass of Pod::Simple.

=item C<< $parser->output_fh( *OUT ); >>

This sets the filehandle that C<$parser>'s output will be written to.
You can pass C<<STDOUT>> or C<<STDERR>>, otherwise you should probably do something like this:

    my $outfile = "output.txt";
    open TXTOUT, ">$outfile" or die "Can't write to $outfile: $!";
    $parser->output_fh(*TXTOUT);

...before you call one of the C<< $parser->parse_I<whatever> >> methods.

=item C<< $parser->output_string( \$somestring ); >>

This sets the string that C<$parser>'s output will be sent to,
instead of any filehandle.

=item C<< $parser->parse_file( I<$some_filename> ); >>

=item C<< $parser->parse_file( *INPUT_FH ); >>

This reads the Pod content of the file (or filehandle) that you specify, and processes it with that C<$parser> object, according to however C<$parser>'s class works, and according to whatever parser options you have set up for this C<$parser> object.

=item C<< $parser->parse_string_document( I<$all_content> ); >>

This works just like C<parse_file> except that it reads the Pod content not from a file, but from a string that you have already in memory.

=item C<< $parser->parse_lines( I<...@lines...>, undef ); >>

This processes the lines in C@$lines> (where each list item must be a defined value, and must contain exactly one line of content -- so no items like C"foo\nbar" are allowed). The final C<undef> is used to indicate the end of document being parsed.

The other C<parser_I<whatever>> methods are meant to be called only once per C<$parser> object; but C<parse_lines> can be called as many times per C<$parser> object as you want, as long as the last call (and only the last call) ends with an C<undef> value.

=item C<< $parser->content_seen >>

This returns true only if there has been any real content seen for this document. Returns false in cases where the document contains content, but does not make use of any Pod markup.

=item C<< I<SomeClass>-filter( I<$filename> ); >>

=item C<< I<SomeClass>-filter( I<*INPUT_FH> ); >>

=item C<< I<SomeClass>-filter( I<$document_content> ); >>

This is a shortcut method for creating a new parser object, setting the output handle to STDOUT, and then processing the specified file (or filehandle, or in-memory document). This is handy for one-liners like this:
perl -MPod::Simple::Text -e "Pod::Simple::Text->filter('thingy.pod')"

=head1 SECONDARY METHODS

Some of these methods might be of interest to general users, as well as of interest to formatter-writers.

Note that the general pattern here is that the accessor-methods read the attribute's value with
C<< $value = $parser->I<attribute> >>
and set the attribute's value with
C<< $parser->I<attribute>(I<newvalue>) >>. For each accessor, I typically only mention one syntax or another, based on which I think you are actually most likely to use.

=item C<< $parser->parse_characters( I<SOMEVALUE> ) >>

The Pod parser normally expects to read octets and to convert those octets to characters based on the C<< encoding >> declaration in the Pod source. Set this option to a true value to indicate that the Pod source is already a Perl character stream. This tells the parser to ignore any C<< encoding >> command and to skip all the code paths involving decoding octets.

=item C<< $parser->no_whining( I<SOMEVALUE> ) >>

If you set this attribute to a true value, you will suppress the parser's complaints about irregularities in the Pod coding. By default, this attribute's value is false, meaning that irregularities will be reported.

Note that turning this attribute to true won't suppress one or two kinds of complaints about rarely occurring unrecoverable errors.

=item C<< $parser->no_errata_section( I<SOMEVALUE> ) >>

If you set this attribute to a true value, you will stop the parser from generating a "POD ERRORS" section at the end of the document. By default, this attribute's value is false, meaning that an errata section will be generated, as necessary.
If you set this attribute to a true value, it will send reports of parsing errors to STDERR. By default, this attribute's value is false, meaning that no output is sent to STDERR.

Setting $complain_stderr also sets $no_errata_section.

This returns the filename that this parser object was set to read from.

This returns true if $parser has read from a source, and has seen Pod content in it.

This returns true if $parser has read from a source, and come to the end of that source.

The perlpod spec for a Verbatim paragraph is "It should be reproduced exactly...", which means that the whitespace you've used to indent your verbatim blocks will be preserved in the output. This can be annoying for outputs such as HTML, where that whitespace will remain in front of every line. It's an unfortunate case where syntax is turned into semantics.

If the POD you're parsing adheres to a consistent indentation policy, you can have such indentation stripped from the beginning of every line of your verbatim blocks. This method tells Pod::Simple what to strip. For two-space indents, you'd use:

$parser->strip_verbatim_indent(" ");

For tab indents, you'd use a tab character:

$parser->strip_verbatim_indent("\t");

If the POD is inconsistent about the indentation of verbatim blocks, but you have figured out a heuristic to determine how much a particular verbatim block is indented, you can pass a code reference instead. The code reference will be executed with one argument, an array reference of all the lines in the
verbatim block, and should return the value to be stripped from each line. For example, if you decide that you're fine to use the first line of the verbatim block to set the standard for indentation of the rest of the block, you can look at the first line and return the appropriate value, like so:

$new->strip_verbatim_indent(sub {
    my $lines = shift;
    (my $indent = $lines->[0]) =~ s/\S.*//;
    return $indent;
});

If you'd rather treat each line individually, you can do that, too, by just transforming them in-place in the code reference and returning C<undef>. Say that you don't want I<any> lines indented. You can do something like this:

$new->strip_verbatim_indent(sub {
    my $lines = shift;
    sub { s/^\S+/ for @{$lines },
        return undef;
    });

=back
=head1 TERTIARY METHODS

=over
=item C<< $parser->abandon_output_fh() >>X<abandon_output_fh>

Cancel output to the file handle. Any POD read by the C<$parser> is not effected.

=item C<< $parser->abandon_output_string() >>X<abandon_output_string>

Cancel output to the output string. Any POD read by the C<$parser> is not effected.

=item C<< $parser->accept_code( @codes ) >>X<accept_code>

Alias for L<< accept_codes >>.

=item C<< $parser->accept_codes( @codes ) >>X<accept_codes>

Allows C<$parser> to accept a list of L<perlpod/Formatting Codes>. This can be used to implement user-defined codes.

=item C<< $parser->accept_directive_as_data( @directives ) >>X<accept_directive_as_data>
Allows $parser to accept a list of directives for data paragraphs. A directive is the label of a Command Paragraph. A data paragraph is one delimited by `begin=/for=/end` directives. This can be used to implement user-defined directives.

```perl
=item $parser->accept_directive_as_processed( @directives )
```

Allows $parser to accept a list of directives for processed paragraphs. A directive is the label of a Command Paragraph. A processed paragraph is also known as an Ordinary Paragraph. This can be used to implement user-defined directives.

```perl
=item $parser->accept_directive_as_verbatim( @directives )
```

Allows $parser to accept a list of directives for Verbatim Paragraph. A directive is the label of a Command Paragraph. This can be used to implement user-defined directives.

```perl
=item $parser->accept_target( @targets )
```

Alias for `accept_targets`.

```perl
=item $parser->accept_target_as_text( @targets )
```

Alias for `accept_targets_as_text`.

```perl
=item $parser->accept_targets( @targets )
```

Accepts targets for `begin=/for=/end` sections of the POD.

```perl
=item $parser->accept_targets_as_text( @targets )
```

Accepts targets for `begin=/for=/end` sections that should be parsed as POD. For details, see `perlpspec/About Data Paragraphs`.

```perl
=item $parser->any_errata_seen()
```

Used to check if any errata was seen.

```perl
I<Example:>

die "too many errors\n" if $parser->any_errata_seen();
```

```perl
=item $parser->errata_seen()
```

Returns a hash reference of all errata seen, both whines and screams. The hash reference's keys are the line number and the value is an array reference of the errors for that line.
I<Example:>

if ( $parser->any_errata_seen() ) {
    $logger->log( $parser->errata_seen() );
}

=item C<< $parser->detected_encoding() >>

Return the encoding corresponding to C<< =encoding >>, but only if the encoding was recognized and handled.

=item C<< $parser->encoding() >>

Return encoding of the document, even if the encoding is not correctly handled.

=item C<< $parser->parse_from_file( $source, $to ) >>

Parses from C<$source> file to C<$to> file. Similar to L<< Pod::Parser/parse_from_file >>.

=item C<< $parser->scream( @error_messages ) >>

Log an error that can't be ignored.

=item C<< $parser->unaccept_code( @codes ) >>

Alias for L<< unaccept_codes >>.

=item C<< $parser->unaccept_codes( @codes ) >>

Removes C<< @codes >> as valid codes for the parse.

=item C<< $parser->unaccept_directive( @directives ) >>

Alias for L<< unaccept_directives >>.

=item C<< $parser->unaccept_directives( @directives ) >>

Removes C<< @directives >> as valid directives for the parse.

=item C<< $parser->unaccept_target( @targets ) >>

Alias for L<< unaccept_targets >>.

=item C<< $parser->unaccept_targets( @targets ) >>

Removes C<< @targets >> as valid targets for the parse.
=item C<< $parser->version_report() >>

Returns a string describing the version.

=item C<< $parser->whine( @error_messages ) >>

Log an error unless C<< $parser->no_whining( TRUE ); >>.

=head1 ENCODING

The Pod::Simple parser expects to read B<octets>. The parser will decode the octets into Perl's internal character string representation using the value of the C=<encoding> declaration in the POD source.

If the POD source does not include an C=<encoding> declaration, the parser will attempt to guess the encoding (selecting one of UTF-8 or CP 1252) by examining the first non-ASCII bytes and applying the heuristic described in L<perlpodspec>. (If the POD source contains only ASCII bytes, the encoding is assumed to be ASCII.)

If you set the C<pipeline> option to a true value the parser will expect characters rather than octets; will ignore any C=<encoding>; and will make no attempt to decode the input.

=head1 SEE ALSO

L<Pod::Simple::Subclassing>

L<perlpod|perlpod>

L<perlpodspec|perlpodspec>

L<Pod::Escapes|Pod::Escapes>

L<perldoc>

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!
Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

do i e

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back

Documentation has been contributed by:

do i e

=item * Gabor Szabo C<szabgab@gmail.com>

=item * Shawn H Corey C<SHCOREY at cpan.org>

=back

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple.pod
No license file was found, but licenses were detected in source scan.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself. This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/Subclassing.pod

No license file was found, but licenses were detected in source scan.

---
abstract: 'framework for parsing Pod'
author:
  - 'Allison Randal <allison@perl.org>'
built_requires:
  ExtUtils::MakeMaker: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.0401, CPAN::Meta::Converter version 2.150005'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: Pod-Simple
no_index:
directory:
  - t
  - inc
recommends:
  Encode: '2.78'
requires:
  Carp: '0'
  Config: '0'
  Cwd: '0'
  File::Basename: '0'
  File::Find: '0'
  File::Spec: '0'
  Pod::Escapes: '1.04'
  Symbol: '0'
  Test: '1.25'
  Test::More: '0'
  Text::Wrap: '98.112902'
  integer: '0'

---
overload: '0'
strict: '0'
resources:
  bugtracker: https://github.com/perl-pod/pod-simple/issues
  homepage: http://search.cpan.org/dist/Pod-Simple/
  license: http://dev.perl.org/licenses/
  repository: git://github.com/perl-pod/pod-simple.git
  version: '3.35'
x_serialization_backend: 'CPAN::Meta::YAML version 0.012'

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/META.yml
No license file was found, but licenses were detected in source scan.

=head1 NAME
Pod::Simple::DumpAsText -- dump Pod-parsing events as text

=head1 SYNOPSIS
perl -MPod::Simple::DumpAsText -e 
  "exit Pod::Simple::DumpAsText->filter(shift)->any_errata_seen" 
  thingy.pod

=head1 DESCRIPTION
This class is for dumping, as text, the events gotten from parsing a Pod document. This class is of interest to people writing Pod formatters based on Pod::Simple. It is useful for seeing exactly what events you get out of some Pod that you feed in.

This is a subclass of L<Pod::Simple> and inherits all its methods.

=head1 SEE ALSO
L<Pod::Simple::DumpAsXML>
L<Pod::Simple>

=head1 SUPPORT
Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or
to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/DumpAsText.pm

No license file was found, but licenses were detected in source scan.

=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::Text>, L<Pod::Spell>

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the
pod-people@perl.org mail list. Send an empty email to
pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository,
L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or
to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to
<bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2003-2005 Allison Randal.

This library is free software; you can redistribute it and/or modify it
under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but
without any warranty; without even the implied warranty of
merchantability or fitness for a particular purpose.

=head1 ACKNOWLEDGEMENTS

Thanks to L<Hurricane Electric|http://he.net/> for permission to use its
L<Linux man pages online|http://man.he.net/> site for man page links.

Thanks to L<search.cpan.org|http://search.cpan.org/> for permission to use the
site for Perl module links.

=head1 AUTHOR

Pod::Simple::XHTML was created by Allison Randal <allison@perl.org>.

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>.
But don't bother him, he's retired.

Pod::Simple is maintained by:

=over
=item * Allison Randal <allison@perl.org>
=item * Hans Dieter Pearcey <hdp@cpan.org>
=item * David E. Wheeler <dwheeler@cpan.org>
=back
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.50/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyjxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/XHTML.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME
Pod::Simple::HTMLBatch - convert several Pod files to several HTML files

=head1 SYNOPSIS
perl -MPod::Simple::HTMLBatch -e 'Pod::Simple::HTMLBatch::go' in out

=head1 DESCRIPTION
This module is used for running batch-conversions of a lot of HTML documents

This class is NOT a subclass of Pod::Simple::HTML (nor of bad old Pod::HTML) -- although it uses Pod::Simple::HTML for doing the conversion of each document.

The normal use of this class is like so:

use Pod::Simple::HTMLBatch;
my $batchconv = Pod::Simple::HTMLBatch->new;
$batchconv->some_option( some_value );
$batchconv->some_other_option( some_other_value );
$batchconv->batch_convert( \@search_dirs, $output_dir );

=head2 FROM THE COMMAND LINE

Note that this class also provides (but does not export) the function Pod::Simple::HTMLBatch::go.
This is basically just a shortcut for C<< Pod::Simple::HTMLBatch->batch_convert(@ARGV) >>.
It's meant to be handy for calling from the command line.

However, the shortcut requires that you specify exactly two command-line arguments, C<indirs> and C<outdir>.

Example:

% mkdir out_html
% perl -MPod::Simple::HTMLBatch -e Pod::Simple::HTMLBatch::go @INC out_html  
(to convert the pod from Perl's @INC  
files under the directory ./out_html)

(Note that the command line there contains a literal atsign-I-N-C. This  
is handled as a special case by batch_convert, in order to save you having  
to enter the odd-looking "" as the first command-line parameter when you  
mean "just use whatever's in @INC".)

Example:

% mkdir ../seekrut  
% chmod og-rx ../seekrut  
% perl -MPod::Simple::HTMLBatch -e Pod::Simple::HTMLBatch::go ../seekrut  
(to convert the pod under the current dir into HTML  
files under the directory ./seekrut)

Example:

% perl -MPod::Simple::HTMLBatch -e Pod::Simple::HTMLBatch::go happydocs .  
(to convert all pod from happydocs into the current directory)

=head1 MAIN METHODS

=over

=item $batchconv = Pod::Simple::HTMLBatch->new;

This TODO

=item $batchconv->batch_convert( I<indirs>, I<outdir> );

this TODO

=item $batchconv->batch_convert( undef , ...);

=item $batchconv->batch_convert( q[@INC], ...);

These two values for I<indirs> specify that the normal Perl @INC

=item $batchconv->batch_convert( \@dirs , ...);

This specifies that the input directories are the items in  
the arrayref C<\@dirs>.

Open Source Used In CSPC_Collector 2.9.1 5484
This specifies that the director "somedir" is the input.
(This can be an absolute or relative path, it doesn't matter.)

A common value you might want would be just "." for the current directory:

```
=batchconv->batch_convert( "." , ...);
```

This specifies that you want the dirs "somedir", "someother", and "also" scanned, just as if you'd passed the arrayref
```
qw( somedir someother also)
```
under Unix, but Under MSWin, you'll need 
```
somedir;someother;also
```
instead, since the pathsep on MSWin is ";" instead of ":". (And 
I<that> is because ";" often comes up in paths, like 
```
"c:/perl/lib"
```

Exactly what separator character should be used, is gotten from 
```
$Config::Config{'path_sep'}
```
via the L<Config> module.)

This specifies that you want the HTML output to go into the current directory.

(That's so that C<batch_convert()> with no arguments (or undef arguments) means "go from @INC, into 
the current directory.)

```
=batchconv->batch_convert( ... , undef );
```

This specifies that you want the HTML output to go into the directory 'somedir'.
(This can be an absolute or relative path, it doesn't matter.)

Note that you can also call C<batch_convert> as a class method, 
like so:

```
Pod::Simple::HTMLBatch->batch_convert( ... );
```
That is just short for this:

Pod::Simple::HTMLBatch-> new-> batch_convert(...);

That is, it runs a conversion with default options, for whatever inputdirs and output dir you specify.

=head2 ACCESSOR METHODS

The following are all accessor methods -- that is, they don't do anything on their own, but just alter the contents of the conversion object, which comprises the options for this particular batch conversion.

We show the "put" form of the accessors below (i.e., the syntax you use for setting the accessor to a specific value). But you can also call each method with no parameters to get its current value. For example, C<< $self->contents_file() >> returns the current value of the contents_file attribute.

=over

=item $batchconv->verbose( I<nonnegative_integer> );

This controls how verbose to be during batch conversion, as far as notes to STDOUT (or whatever is C<select>'d) about how the conversion is going. If 0, no progress information is printed. If 1 (the default value), some progress information is printed. Higher values print more information.

=item $batchconv->index( I<true-or-false> );

This controls whether or not each HTML page is liable to have a little table of contents at the top (which we call an "index" for historical reasons). This is true by default.

=item $batchconv->contents_file( I<filename> );

If set, should be the name of a file (in the output directory) to write the HTML index to. The default value is "index.html". If you set this to a false value, no contents file will be written.

=item $batchconv->contents_page_start( I<HTML_string> );

This specifies what string should be put at the beginning of
the contents page.
The default is a string more or less like this:

    <html>
    <head><title>Perl Documentation</title></head>
    <body class='contentspage'>
    <h1>Perl Documentation</h1>

=item $batchconv->contents_page_end( I<HTML_string> );

This specifies what string should be put at the end of the contents page.
The default is a string more or less like this:

    <p class='contentsfooty'>Generated by
    Pod::Simple::HTMLBatch v3.01 under Perl v5.008
    At Fri May 14 22:26:42 2004 GMT,
    which is Fri May 14 14:26:42 2004 local time.</p>

=item $batchconv->add_css( $url );

TODO

=item $batchconv->add_javascript( $url );

TODO

=item $batchconv->css_flurry( I<true-or-false> );

If true (the default value), we autogenerate some CSS files in the
output directory, and set our HTML files to use those.
TODO: continue

=item $batchconv->javascript_flurry( I<true-or-false> );

If true (the default value), we autogenerate a JavaScript in the
output directory, and set our HTML files to use it. Currently,
the JavaScript is used only to get the browser to remember what
stylesheet it prefers.
TODO: continue

=item $batchconv->no_contents_links( I<true-or-false> );

TODO

=item $batchconv->html_render_class( I<classname> );
This sets what class is used for rendering the files. The default is "Pod::Simple::HTML". If you set it to something else, it should probably be a subclass of Pod::Simple::HTML, and you should require or use that class so that's it's loaded before Pod::Simple::HTMLBatch tries loading it.

=item $batchconv->search_class( I<classname> );

This sets what class is used for searching for the files. The default is "Pod::Simple::Search". If you set it to something else, it should probably be a subclass of Pod::Simple::Search, and you should require or use that class so that's it's loaded before Pod::Simple::HTMLBatch tries loading it.

=back

=head1 NOTES ON CUSTOMIZATION

TODO

call add_css($someurl) to add stylesheet as alternate
call add_css($someurl,1) to add as primary stylesheet
call add_javascript

subclass Pod::Simple::HTML and set $batchconv->html_render_class to that classname and maybe override
   $page->batch_mode_page_object_init($self, $module, $infile, $outfile, $depth)
or maybe override
   $batchconv->batch_mode_page_object_init($page, $module, $infile, $outfile, $depth)
subclass Pod::Simple::Search and set $batchconv->search_class to that classname

=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::HTMLBatch>, L<perlpod>, L<perlpo드spec>

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.
This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over
=item * Allison Randal <allison@perl.org>
=item * Hans Dieter Pearcey <hdp@cpan.org>
=item * David E. Wheeler <dwheeler@cpan.org>
=back

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/HTMLBatch.pm

No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::Checker -- check the Pod syntax of a document

=head1 SYNOPSIS
perl -MPod::Simple::Checker -e 
"exit Pod::Simple::Checker->filter(shift)->any_errata_seen" 
thingy.pod

=head1 DESCRIPTION

This class is for checking the syntactic validity of Pod.
It works by basically acting like a simple-minded version of
Pod::Simple::Text that formats only the "Pod Errors" section
(if Pod::Simple even generates one for the given document).

This is a subclass of Pod::Simple and inherits all its methods.

=head1 SEE ALSO

Pod::Simple, Pod::Simple::Text, Pod::Checker

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the
pod-people@perl.org mail list. Send an empty email to
pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository,
https://github.com/perl-pod/pod-simple/. Feel free to fork and contribute, or
to clone git://github.com/perl-pod/pod-simple.git and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to
<bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it
under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but
without any warranty; without even the implied warranty of
merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>.
But don't bother him, he's retired.

Pod::Simple is maintained by:
=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C.dwheeler@cpan.org>

=back

cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expandarchive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/Checker.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::PullParser -- a pull-parser interface to parsing Pod

=head1 SYNOPSIS

my $parser = SomePodProcessor->new;
$parser->set_source( "whatever.pod" );
$parser->run;

Or:

my $parser = SomePodProcessor->new;
$parser->set_source( $some_filehandle_object );
$parser->run;

Or:

my $parser = SomePodProcessor->new;
$parser->set_source( \$document_source );
$parser->run;

Or:

my $parser = SomePodProcessor->new;
$parser->set_source( \@document_lines );
$parser->run;

And elsewhere:
require 5;
package SomePodProcessor;
use strict;
use base qw(Pod::Simple::PullParser);

sub run {
    my $self = shift;
    Token:
    while(my $token = $self->get_token) {
        ...process each token...
    }
}

=head1 DESCRIPTION

This class is for using Pod::Simple to build a Pod processor -- but one that uses an interface based on a stream of token objects, instead of based on events.

This is a subclass of L<Pod::Simple> and inherits all its methods.

A subclass of Pod::Simple::PullParser should define a C<run> method that calls C<< $token = $parser->get_token >> to pull tokens.

See the source for Pod::Simple::RTF for an example of a formatter that uses Pod::Simple::PullParser.

=head1 METHODS

=over

=item my $token = $parser->get_token

This returns the next token object (which will be of a subclass of L<Pod::Simple::PullParserToken>), or undef if the parser-stream has hit the end of the document.

=item $parser->unget_token( $token )

=item $parser->unget_token( $token1, $token2, ... )

This restores the token object(s) to the front of the parser stream.

=back

The source has to be set before you can parse anything. The lowest-level way is to call C<set_source>: 

Or you can call these methods, which Pod::Simple::PullParser has defined
to work just like Pod::Simple's same-named methods:

For those to work, the Pod-processing subclass of
Pod::Simple::PullParser has to have defined a $parser->run method --
so it is advised that all Pod::Simple::PullParser subclasses do so.
See the Synopsis above, or the source for Pod::Simple::RTF.

Authors of formatter subclasses might find these methods useful to
call on a parser object that you haven’t started pulling tokens
from yet:

This tries to get the title string out of $parser, by getting some tokens,
and scanning them for the title, and then ungetting them so that you can
process the token-stream from the beginning.

For example, suppose you have a document that starts out:

=head1 NAME
Hoo::Boy::Wowza -- Stuff B<wow> yeah!

$parser->get_title on that document will return "Hoo::Boy::Wowza -- Stuff wow yeah!". If the document starts with:

=head1 Name

Hoo::Boy::W00t -- Stuff B<w00t> yeah!

Then you'll need to pass the C<nocase> option in order to recognize "Name":

$parser->get_title(nocase => 1);

In cases where get_title can't find the title, it will return empty-string ("").

=item my $title_string = $parser->get_short_title

This is just like get_title, except that it returns just the modulename, if the title seems to be of the form "SomeModuleName -- description".

For example, suppose you have a document that starts out:

=head1 NAME

Hoo::Boy::Wowza -- Stuff B<wow> yeah!

then $parser->get_short_title on that document will return "Hoo::Boy::Wowza".

But if the document starts out:

=head1 NAME

Hooboy, stuff B<wow> yeah!

then $parser->get_short_title on that document will return "Hooboy, stuff wow yeah!". If the document starts with:

=head1 Name

Hoo::Boy::W00t -- Stuff B<w00t> yeah!

Then you'll need to pass the C<nocase> option in order to recognize "Name":

$parser->get_short_title(nocase => 1);
If the title can't be found, then get_short_title returns empty-string ("").

=item $author_name = $parser->get_author

This works like get_title except that it returns the contents of the
"=head1 AUTHOR\n\nParagraph...\n" section, assuming that that section
isn't terribly long. To recognize a "=head1 Author\n\nParagraph\n" section, pass the C<nocase> option:

$parser->get_author(nocase => 1);

(This method tolerates "AUTHORS" instead of "AUTHOR" too.)

=item $description_name = $parser->get_description

This works like get_title except that it returns the contents of the
"=head1 DESCRIPTION\n\nParagraph...\n" section, assuming that that section
isn't terribly long. To recognize a "=head1 Description\n\nParagraph\n" section, pass the C<nocase> option:

$parser->get_description(nocase => 1);

=item $version_block = $parser->get_version

This works like get_title except that it returns the contents of
the "=head1 VERSION\n\n[BIG BLOCK]\n" block. Note that this does NOT
return the module's C<$VERSION>!! To recognize a
"=head1 Version\n\n[BIG BLOCK]\n" section, pass the C<nocase> option:

$parser->get_version(nocase => 1);

=back

=head1 NOTE

You don't actually I<have> to define a C<run> method. If you're
writing a Pod-formatter class, you should define a C<run> just so
that users can call C<parse_file> etc, but you don't I<have> to.

And if you're not writing a formatter class, but are instead just
writing a program that does something simple with a Pod::PullParser
object (and not an object of a subclass), then there's no reason to
bother subclassing to add a C<run> method.

=head1 SEE ALSO

L<Pod::Simple>
L<Pod::Simple::PullParserToken> -- and its subclasses
L<Pod::Simple::PullParserStartToken>,
L<Pod::Simple::PullParserTextToken>, and
L<Pod::Simple::PullParserEndToken>.

L<HTML::TokeParser>, which inspired this.

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the
pod-people@perl.org mail list. Send an empty email to
pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository,
L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or
to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to
<bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it
under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but
without any warranty; without even the implied warranty of
merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>.
But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back
=cut
JUNK:
sub _old_get_title { # some witchery in here
my $self = $_[0];
my $title;
my @to_unget;
while(1) {
push @to_unget, $self->get_token;
unless(defined $to_unget[-1]) { # whoops, short doc!
pop @to_unget;
last;
}
DEBUG and print STDERR "-Got token ", $to_unget[-1]->dump, "\n";
(DEBUG and print STDERR "Too much in the buffer.\n"),
last if @to_unget > 25; # sanity
my $pattern = '';
if( #$to_unget[-1]->type eq 'end'
#and $to_unget[-1]->tagname eq 'Para'
#and
($pattern = join('',
map {;
($_->type eq 'start') ? ("<" . $_->tagname .">")
: ($_->type eq 'end' ) ? ("</". $_->tagname .">")
: ($_->type eq 'text' ) ? ($_->text =~ m<^([A-Z]+)$>s ? $1 : 'X')
: "BLORP"
} @to_unget
)) =~ m{<head1>NAME</head1><Para>(X|</?[BCIFLS]>)+</Para>$}s
){
# Whee, it fits the pattern
DEBUG and print STDERR "Seems to match =head1 NAME pattern.\n";
$title = '';
foreach my $t (reverse @to_unget) {
last if $t->type eq 'start' and $t->tagname eq 'Para';
$title = $t->text . $title if $t->type eq 'text';
}
undef $title if $title =~ m<^\s*$>; # make sure it's contentful!
last;
} elsif ($pattern =~ m{<head(\d)>(.+)</head\d>$}
and !( $1 eq '1' and $2 eq 'NAME' )
){

Open Source Used In CSPC_Collector 2.9.1 5497


# Well, it fits a fallback pattern
DEBUG and print STDERR "Seems to match NAMEless pattern\n";
$title = "";
foreach my $t (reverse @to_unget) {
    last if $t->type eq 'start' and $t->tagname =~ m/^head\d$/s;
    $title = $t->text . $title if $t->type eq 'text';
}  
undef $title if $title =~ m<\s*>\s*\>; # make sure it's contentful!
last;

} else {
    DEBUG and $pattern and print STDERR "Leading pattern: $pattern\n";
}

# Put it all back:
$self->unget_token(@to_unget);

if(DEBUG) {
    if(defined $title) { print STDERR "  Returning title <$title>\n" }
    else { print STDERR "Returning title <>\n" }
}

return " unless defined $title;
return $title;

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/PullParser.pm

No license file was found, but licenses were detected in source scan.

=head1 NAME
Pod::Simple::DumpAsXML -- turn Pod into XML

=head1 SYNOPSIS
perl -MPod::Simple::DumpAsXML -e \n"exit Pod::Simple::DumpAsXML->filter(shift)->any_errata_seen" \nthingy.pod

=head1 DESCRIPTION
Pod::Simple::DumpAsXML is a subclass of L<Pod::Simple> that parses Pod
and turns it into indented and wrapped XML. This class is of
interest to people writing Pod formatters based on Pod::Simple.
Pod::Simple::DumpAsXML inherits methods from Pod::Simple.

=head1 SEE ALSO

L<Pod::Simple::XMLOutStream> is rather like this class.
Pod::Simple::XMLOutStream's output is space-padded in a way that's better for sending to an XML processor (that is, it has no ignorable whitespace). But Pod::Simple::DumpAsXML's output is much more human-readable, being (more-or-less) one token per line, with line-wrapping.

L<Pod::Simple::DumpAsText> is rather like this class, except that it doesn't dump with XML syntax. Try them and see which one you like best!

L<Pod::Simple>, L<Pod::Simple::DumpAsXML>
The older libraries L<Pod::PXML>, L<Pod::XML>, L<Pod::SAX>

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR
Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal <allison@perl.org>
=item * Hans Dieter Pearcey <hdp@cpan.org>
=item * David E. Wheeler <dwheeler@cpan.org>
=back
=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/DumpAsXML.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::Text -- format Pod as plaintext

=head1 SYNOPSIS

perl -MPod::Simple::Text -e "exit Pod::Simple::Text->filter(shift)->any_errata_seen" thingy.pod

=head1 DESCRIPTION

This class is a formatter that takes Pod and renders it as wrapped plaintext. Its wrapping is done by L<Text::Wrap>, so you can change C<$Text::Wrap::columns> as you like.

This is a subclass of L<Pod::Simple> and inherits all its methods.

=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::TextContent>, L<Pod::Text>

=head1 SUPPORT
Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/Text.pm
No license file was found, but licenses were detected in source scan.
NAME

Pod::Simple::PullParserEndToken -- end-tokens from Pod::Simple::PullParser

SYNOPSIS

(See L<Pod::Simple::PullParser>)

DESCRIPTION

When you do $parser->get_token on a L<Pod::Simple::PullParser>, you might get an object of this class.

This is a subclass of L<Pod::Simple::PullParserToken> and inherits all its methods, and adds these methods:

$token->tagname

This returns the tagname for this end-token object.

For example, parsing a "=head1 ..." line will give you a start-token with the tagname of "head1", token(s) for its content, and then an end-token with the tagname of "head1".

$token->tagname("<somestring>")

This changes the tagname for this end-token object.

You probably won't need to do this.

$token->tag(...)  # A shortcut for $token->tagname(...)

$token->is_tag("<somestring>") or $token->is_tagname("<somestring>")

These are shortcuts for C<< $token->tag() eq "<somestring>" >>

SEE ALSO
=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-
No license file was found, but licenses were detected in source scan.

# TODO: let it be an option whether a given subclass even wants little treelets?

__END__

=head1 NAME

Pod::Simple::LinkSection -- represent "section" attributes of L codes

=head1 SYNOPSIS

# a long story

=head1 DESCRIPTION

This class is not of interest to general users.

Pod::Simple uses this class for representing the value of the "section" attribute of "L" start-element events. Most applications can just use the normal stringification of objects of this class; they stringify to just the text content of the section, such as "foo" for 

```
C<< LZ<><Stuff/foo> >>
```

and "bar" for 

```
C<< LZ<><Stuff/bIZ<><ar>> >>.
```

However, anyone particularly interested in getting the full value of the treelet, can just traverse the content of the treelet

`@$treelet_object`. To wit:

```perl
% perl -MData::Dumper -e
   "use base qw(Pod::Simple::Methody);
   sub start_L { print Dumper($_[1]{'section'}) } )
   __PACKAGE__->new->parse_string_document(=head1 L<Foo/bI<ar>baz>>)
   "

Output:

$VAR1 = bless( [
   ",
   {}
   'b',
   bless( [
      'T',
      {}
      'ar'
   ], 'Pod::Simple::LinkSection'),
```
But stringify it and you get just the text content:

```perl
% perl -MData::Dumper -e
"use base qw(Pod::Simple::Methody);
sub start_L { print Dumper( " $_[1]{'section'} ) }
__PACKAGE__->new->parse_string_document("=head1 L<Foo/bI<ar>baz>>")
"
Output:
$VAR1 = 'barbaz';
```

=head1 SEE ALSO

L<Pod::Simple>

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2004 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:
=over
=item * Allison Randal C<allison@perl.org>
=item * Hans Dieter Pearcey C<hdp@cpan.org>
=item * David E. Wheeler C.dwheeler@cpan.org>
=back
=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/LinkSection.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::SimpleTree -- parse Pod into a simple parse tree

=head1 SYNOPSIS

% cat ptest.pod

=head1 PIE

I like B<pie>!

% perl -MPod::Simple::SimpleTree -MData::Dumper -e \n "print Dumper(Pod::Simple::SimpleTree->new->parse_file(shift())->root)"
ptest.pod

$VAR1 = [
 'Document',
   [ 'start_line' => 1 ],
 [ 
   'head1',
   [ 'start_line' => 1 ],
 'PIE'
 ],
 [ 
   'Para',
   [ 'start_line' => 3 ],
 'I like ',
 [ 
]
This class is of interest to people writing a Pod processor/formatter.

This class takes Pod and parses it, returning a parse tree made just of arrayrefs, and hashrefs, and strings.

This is a subclass of L<Pod::Simple> and inherits all its methods.

This class is inspired by XML::Parser's "Tree" parsing-style, although it doesn't use exactly the same LoL format.

At the end of the parse, call C<< $parser->root >> to get the tree's top node.

Every element node in the parse tree is represented by an arrayref of the form: C<[ I<elementname>, \%attributes, I<...subnodes...> ]>.

Every text node in the tree is represented by a simple (non-ref) string scalar. So you can test C<ref($node)> to see whether you have an element node or just a text node.

The top node in the tree is C<[ 'Document', \%attributes, I<...subnodes...> ]>
Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal <allison@perl.org>

=item * Hans Dieter Pearcey <hdp@cpan.org>

=item * David E. Wheeler <dwheeler@cpan.org>

=back

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJzxBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/SimpleTree.pm

No license file was found, but licenses were detected in source scan.
NAME
Pod::Simple::Debug -- put Pod::Simple into trace/debug mode

SYNOPSIS
use Pod::Simple::Debug (5); # or some integer

Or:

my $debuglevel;
use Pod::Simple::Debug ($debuglevel, 0);
...some stuff that uses Pod::Simple to do stuff, but which
you don't want debug output from...

$debug_level = 4;
...some stuff that uses Pod::Simple to do stuff, but which
you DO want debug output from...

$debug_level = 0;

DESCRIPTION
This is an internal module for controlling the debug level (a.k.a. trace
level) of Pod::Simple. This is of interest only to Pod::Simple
developers.

CAVEATS
Note that you should load this module I<before> loading Pod::Simple (or
any Pod::Simple-based class). If you try loading Pod::Simple::Debug
after &Pod::Simple::DEBUG is already defined, Pod::Simple::Debug will
throw a fatal error to the effect that
"It's too late to call Pod::Simple::Debug".

Note that the C<use Pod::Simple::Debug ($x, I<somenum>)> mode will make
Pod::Simple (et al) run rather slower, since &Pod::Simple::DEBUG won't
be a constant sub anymore, and so Pod::Simple (et al) won't compile with
constant-folding.

GUTS
Doing this:

use Pod::Simple::Debug (5); # or some integer
is basically equivalent to:

    BEGIN { sub Pod::Simple::DEBUG () {5} } # or some integer
    use Pod::Simple ();

And this:

    use Pod::Simple::Debug ($debug_level, 0); # or some integer

is basically equivalent to this:

    my $debug_level;
    BEGIN { $debug_level = 0 }
    BEGIN { sub Pod::Simple::DEBUG () { $debug_level }
    use Pod::Simple ();

=head1 SEE ALSO

L<Pod::Simple>


=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR
Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/Debug.pm

No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::TextContent -- get the text content of Pod

=head1 SYNOPSIS

TODO

perl -MPod::Simple::TextContent -e \
"exit Pod::Simple::TextContent->filter(shift)->any_errata_seen" \
thingy.pod

=head1 DESCRIPTION

This class is that parses Pod and dumps just the text content. It is mainly meant for use by the Pod::Simple test suite, but you may find some other use for it.

This is a subclass of L<Pod::Simple> and inherits all its methods.

=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::Text>, L<Pod::Spell>
Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over
=item * Allison Randal C<allison@perl.org>
=item * Hans Dieter Pearcey C<hdp@cpan.org>
=item * David E. Wheeler C<dwheeler@cpan.org>
=back
=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/TextContent.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::RTF -- format Pod as RTF

=head1 SYNOPSIS

perl -MPod::Simple::RTF -e \n"exit Pod::Simple::RTF->filter(shift)->any_errata_seen" \nthingy.pod > thingy.rtf

=head1 DESCRIPTION

This class is a formatter that takes Pod and renders it as RTF, good for viewing/printing in MSWord, WordPad/write.exe, TextEdit, etc.

This is a subclass of L<Pod::Simple> and inherits all its methods.

=head1 FORMAT CONTROL ATTRIBUTES

You can set these attributes on the parser object before you call C<parse_file> (or a similar method) on it:

=over

=item $parser->head1_halfpoint_size( I<halfpoint_integer> );

=item $parser->head2_halfpoint_size( I<halfpoint_integer> );

=item $parser->head3_halfpoint_size( I<halfpoint_integer> );

=item $parser->head4_halfpoint_size( I<halfpoint_integer> );

=item $parser->header_halfpoint_size( I<halfpoint_integer> );

These methods set the size (in half-points, like 52 for 26-point) that these heading levels will appear as.

=item $parser->codeblock_halfpoint_size( I<halfpoint_integer> );

This method sets the size (in half-points, like 21 for 10.5-point) that codeblocks ("verbatim sections") will appear as.

=item $parser->header_halfpoint_size( I<halfpoint_integer> );

This method sets the size (in half-points, like 15 for 7.5-point) that the header on each page will appear in. The header is usually just "I<modulename> p. I<pagenumber>".
This method sets the size (in half-points, like 26 for 13-point) that normal paragraghic text will appear in.

Set this value to true if you don't want the formatter to try putting a hidden code on all Perl symbols (as best as it can notice them) that labels them as being not in English, and so not worth spellchecking.

This sets the language code to tag this document as being in. By default, it is currently the value of the environment variable C<RTFDEFLANG>, or if that's not set, then the value 1033 (for US English).

Here are some notable values:

1033  US English
2057  UK English
3081  Australia English
4105  Canada English
1034  Spain Spanish
2058  Mexico Spanish
1031  Germany German
1036  France French
3084  Canada French
1035  Finnish
1044  Norwegian (Bokmal)
2068  Norwegian (Nynorsk)

If you are particularly interested in customizing this module's output even more, see the source and/or write to me.

SEE ALSO

L<Pod::Simple>, L<RTF::Writer>, L<RTF::Cookbook>, L<RTF::Document>, L<RTF::Generator>

SUPPORT
Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/RTF.pm
No license file was found, but licenses were detected in source scan.
License: GPL+ or Artistic

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJxwBE/perl-Pod-Simple.spec

No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::Methody -- turn Pod::Simple events into method calls

=head1 SYNOPSIS

```
require 5;
use strict;
package SomePodFormatter;
use base qw(Pod::Simple::Methody);

sub handle_text {
    my($self, $text) = @_;  
    ...
  }

sub start_head1 {
    my($self, $attrs) = @_;  
    ...
  }

sub end_head1 {
    my($self) = @_;  
    ...
  }

...and start_/end_ methods for whatever other events you want to catch.
```

=head1 DESCRIPTION

This class is of interest to people writing Pod formatters based on Pod::Simple.

This class (which is very small -- read the source) overrides Pod::Simple's _handle_element_start, _handle_text, and _handle_element_end methods so that parser events are turned into method calls. (Otherwise, this is a subclass of L<Pod::Simple> and inherits all its methods.)

You can use this class as the base class for a Pod formatter/processor.

=head1 METHOD CALLING
When Pod::Simple sees a "=head1 Hi there", for example, it basically does this:

```perl
$parser->_handle_element_start( "head1", \%attributes );
$parser->_handle_text( "Hi there" );
$parser->_handle_element_end( "head1" );
```

But if you subclass Pod::Simple::Methody, it will instead do this when it sees a "=head1 Hi there":

```perl
$parser->start_head1( \%attributes ) if $parser->can('start_head1');
$parser->handle_text( "Hi there" ) if $parser->can('handle_text');
$parser->end_head1() if $parser->can('end_head1');
```

If Pod::Simple sends an event where the element name has a dash, period, or colon, the corresponding method name will have a underscore in its place. For example, "foo.bar:baz" becomes start_foo_bar_baz and end_foo_bar_baz.

See the source for Pod::Simple::Text for an example of using this class.

=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::Subclassing>

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of
merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal <allison@perl.org>

=item * Hans Dieter Pearcey <hdp@cpan.org>

=item * David E. Wheeler <dwheeler@cpan.org>

=back

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/Methody.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::HTML - convert Pod to HTML

=head1 SYNOPSIS

perl -MPod::Simple::HTML -e Pod::Simple::HTML::go thingy.pod

=head1 DESCRIPTION

This class is for making an HTML rendering of a Pod document.

This is a subclass of L<Pod::Simple::PullParser> and inherits all its methods (and options).

Note that if you want to do a batch conversion of a lot of Pod documents to HTML, you should see the module L<Pod::Simple::HTMLBatch>. 
=head1 CALLING FROM THE COMMAND LINE

TODO

perl -MPod::Simple::HTML -e Pod::Simple::HTML::go Thing.pod Thing.html

=head1 CALLING FROM PERL

=head2 Minimal code

use Pod::Simple::HTML;
my $p = Pod::Simple::HTML->new;
$p->output_string($my $html);
$p->parse_file('path/to/Module/Name.pm');
open my $out, '>', 'out.html' or die "Cannot open 'out.html': $!
"
print $out $html;

=head2 More detailed example

use Pod::Simple::HTML;

Set the content type:

$Pod::Simple::HTML::Content_decl = q{<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" >};

my $p = Pod::Simple::HTML->new;

Include a single javascript source:

$p->html_javascript('http://abc.com/a.js');

Or insert multiple javascript source in the header
(or for that matter include anything, thought this is not recommended)

$p->html_javascript(
   <<script type="text/javascript" src="http://abc.com/b.js"></script>
   <<script type="text/javascript" src="http://abc.com/c.js"></script>);

Include a single css source in the header:

$p->html_css('/style.css');

or insert multiple css sources:

$p->html_css('
<link rel="stylesheet" type="text/css" title="pod_stylesheet" href="http://remote.server.com/jquery.css">
<link rel="stylesheet" type="text/css" title="pod_stylesheet" href="/style.css">');
Tell the parser where should the output go. In this case it will be placed in the $html variable:
my $html;
$p->output_string(\$html);
Parse and process a file with pod in it:
$p->parse_file('path/to/Module/Name.pm');
=head1 METHODS
TODO
all (most?) accessorized methods
The following variables need to be set B<before> the call to the ->new constructor.
Set the string that is included before the opening <html> tag:
$Pod::Simple::HTML::Doctype_decl = qq{<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">\n};
Set the content-type in the HTML head: (defaults to ISO-8859-1)
$Pod::Simple::HTML::Content_decl = q{<meta http-equiv="Content-Type" content="text/html; charset=UTF-8"
>};
Set the value that will be embedded in the opening tags of F, C tags and verbatim text.
F maps to <em>, C maps to <code>, Verbatim text maps to <pre> (Computerese defaults to "")
$Pod::Simple::HTML::Computerese = ' class="some_class_name';
=head2 html_css
=head2 html_javascript
=head2 title_prefix
=head2 title_postfix
=head2 html_header_before_title
This includes everything before the <title> opening tag including the Document type
and including the opening <title> tag. The following call will set it to be a simple HTML
file:

Open Source Used In CSPC_Collector 2.9.1 5520


$p->html_header_before_title('<html><head><title>');

=head2 top_anchor

By default Pod::Simple::HTML adds a dummy anchor at the top of the HTML. You can change it by calling

$p->top_anchor('<a name="zz" >');

=head2 html_h_level

Normally =head1 will become <h1>, =head2 will become <h2> etc. Using the html_h_level method will change these levels setting the h level of =head1 tags:

$p->html_h_level(3);

Will make sure that =head1 will become <h3> and =head2 will become <h4> etc...

=head2 index

Set it to some true value if you want to have an index (in reality a table of contents) to be added at the top of the generated HTML.

$p->index(1);

=head2 html_header_after_title

Includes the closing tag of </title> and through the rest of the head till the opening of the body

$p->html_header_after_title('</title>...</head><body id="my_id">');

=head2 html_footer

The very end of the document:

$p->html_footer( qq
<!-- end doc -->

</body></html>

);
use warnings;

use base 'Pod::Simple::HTML';

# needs to return a URL string such
# http://some.other.com/page.html
# #anchor_in_the_same_file
# /internal/ref.html
sub do_pod_link
  # My::Pod object and Pod::Simple::PullParserStartToken object
  my ($self, $link) = @_;

  say $link->tagname;  # will be L for links
  say $link->attr('to');  #
  say $link->attr('type');  # will be 'pod' always
  say $link->attr('section');

  # Links local to our web site
  if ($link->tagname eq 'L' and $link->attr('type') eq 'pod') {
    my $to = $link->attr('to');
    if ($to =~ /^Padre::/) {
      $to =~ s{::}{/}g;
      return "/docs/Padre/$to.html";
    }
  }

  # all other links are generated by the parent class
  my $ret = $self->SUPER::do_pod_link($link);
  return $ret;
}

1;

Meanwhile in script.pl:

use My::Pod;

my $p = My::Pod->new;

my $html;
$p->output_string($html);
$p->parse_file('path/to/Module/Name.pm');
open my $out, '>', 'out.html' or die;
print $out $html;

TODO

maybe override do_beginning do_end
SEE ALSO

L<Pod::Simple>, L<Pod::Simple::HTMLBatch>

TODO: a corpus of sample Pod input and HTML output? Or common idioms?

SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

COPYRIGHT AND DISCLAIMERS

Copyright (c) 2002-2004 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

ACKNOWLEDGEMENTS

Thanks to L<Hurricane Electric|http://he.net/> for permission to use its L<Linux man pages online|http://man.he.net/> site for man page links.

Thanks to L<search.cpan.org|http://search.cpan.org/> for permission to use the site for Perl module links.

AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:
Pod::Simple is a Perl library for parsing text in the Pod ("plain old documentation") markup language that is typically used for writing documentation for Perl and for Perl modules. The Pod format is explained L<perlpod>; the most common formatter is called C<perldoc>.

Pod formatters can use Pod::Simple to parse Pod documents and render them into plain text, HTML, or any number of other formats.

To install this module, type the following:

perl Makefile.PL
make
make test
make install
Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<https://github.com/perl-pod/pod-simple/>. Feel free to fork and contribute, or to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

=head1 copyright and Disclaimers

Copyright (c) 2002 Sean M. Burke. All rights reserved.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 Author

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C.dwheeler@cpan.org

=item * Marc Green C<marcgreen@cpan.org>

=back

=cut

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1009548100_1591379813.50/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/README
1.556 perl-io-compress 2.081-1.el8

1.556.1 Available under license:

   No license file was found, but licenses were detected in source scan.

=head1 NAME

IO::Compress::Zip - Write zip files/buffers

=head1 SYNOPSIS

use IO::Compress::Zip qw(zip $ZipError);

my $status = zip $input => $output [,OPTS]
   or die "zip failed: $ZipError\n";

my $z = new IO::Compress::Zip $output [,OPTS]
   or die "zip failed: $ZipError\n";

$z->print($string);
$z->printf($format, $string);
$z->write($string);
$z->syswrite($string [, $length, $offset]);
$z->flush();
$z->tell();
$z->eof();
$z->seek($position, $whence);
$z->binmode();
$z->fileno();
$z->opened();
$z->autoflush();
$z->input_line_number();
$z->newStream ( [OPTS] );

$z->deflateParams();

$z->close();

$ZipError ;

# IO::File mode

print $z $string;
printf $z $format, $string;
tell $z
eof $z
seek $z, $position, $whence
binmode $z
fileno $z
close $z;

=head1 DESCRIPTION

This module provides a Perl interface that allows writing zip compressed data to files or buffer.

The primary purpose of this module is to provide streaming write access to zip files and buffers. It is not a general-purpose file archiver. If that is what you want, check out C<Archive::Zip>.

At present three compression methods are supported by IO::Compress::Zip, namely Store (no compression at all), Deflate, Bzip2 and LZMA.

Note that to create Bzip2 content, the module C<IO::Compress::Bzip2> must be installed.

Note that to create LZMA content, the module C<IO::Compress::Lzma> must be installed.

For reading zip files/buffers, see the companion module L<IO::Uncompress::Unzip|IO::Uncompress::Unzip>.

=head2 Functional Interface

A top-level function, C<zip>, is provided to carry out “one-shot” compression between buffers and/or files. For finer control over the compression process, see the L</"OO Interface"> section.

use IO::Compress::Zip qw(zip $ZipError) ;

zip $input_filename_or_reference => $output_filename_or_reference [,OPTS]
or die "zip failed: $ZipError\n";

The functional interface needs Perl5.005 or better.

=head3 The C<$input_filename_or_reference> parameter

The parameter, C<$input_filename_or_reference>, is used to define the
source of the uncompressed data.

It can take one of the following forms:

- over 5

- item A filename

If the $input_filename_or_reference parameter is a simple scalar, it is assumed to be a filename. This file will be opened for reading and the input data will be read from it.

- item A filehandle

If the $input_filename_or_reference parameter is a filehandle, the input data will be read from it. The string '-' can be used as an alias for standard input.

- item A scalar reference

If $input_filename_or_reference is a scalar reference, the input data will be read from $$input_filename_or_reference.

- item An array reference

If $input_filename_or_reference is an array reference, each element in the array must be a filename.

The input data will be read from each file in turn.

The complete array will be walked to ensure that it only contains valid filenames before any data is compressed.

- item An Input FileGlob string

If $input_filename_or_reference is a string that is delimited by the characters "<" and ">" $zip will assume that it is an I<input fileglob string>. The input is the list of files that match the fileglob.

See L<File::GlobMapper|File::GlobMapper> for more details.

If the $input_filename_or_reference parameter is any other type, C<undef> will be returned.

In addition, if $input_filename_or_reference is a simple filename,
the default values for 
the C<Name>, C<Time>, C<TextFlag>, C<ExtAttr>, C<exUnixN> and C<exTime> options will be sourced from that file.

If you do not want to use these defaults they can be overridden by 
explicitly setting the C<Name>, C<Time>, C<TextFlag>, C<ExtAttr>, C<exUnixN> and C<exTime> options or by setting the 
C<Minimal> parameter.

=head3 The C<$output_filename_or_reference> parameter

The parameter C<$output_filename_or_reference> is used to control the 
destination of the compressed data. This parameter can take one of 
these forms.

=item A filename 

If the C<$output_filename_or_reference> parameter is a simple scalar, it is 
assumed to be a filename. This file will be opened for writing and the 
compressed data will be written to it.

=item A filehandle 

If the C<$output_filename_or_reference> parameter is a filehandle, the 
compressed data will be written to it. The string '-' can be used as 
an alias for standard output.

=item A scalar reference 

If C<$output_filename_or_reference> is a scalar reference, the 
compressed data will be stored in C<$output_filename_or_reference>.

=item An Array Reference 

If C<$output_filename_or_reference> is an array reference, 
the compressed data will be pushed onto the array.

=item An Output FileGlob 

If C<$output_filename_or_reference> is a string that is delimited by the 
characters "<" and ">" C<zip> will assume that it is an 
I<output fileglob string>. The output is the list of files that match the 
fileglob.

When C<$output_filename_or_reference> is an fileglob string, 
C<$input_filename_or_reference> must also be a fileglob string. Anything
else is an error.

See L<File::GlobMapper|File::GlobMapper> for more details.

=head2 Notes

If the C<$output_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head2 Optional Parameters

Unless specified below, the optional parameters for C<zip>, C<OPTS>, are the same as those used with the OO interface defined in the L</"Constructor Options"> section below.

=over 5

=item C<< AutoClose => 0|1 >>

This option applies to any input or output data streams to C<zip> that are filehandles.

If C<AutoClose> is specified, and the value is true, it will result in all input and/or output filehandles being closed once C<zip> has completed.

This parameter defaults to 0.

=item C<< BinModeIn => 0|1 >>

When reading from a file or filehandle, set C<binmode> before reading.

Defaults to 0.

=item C<< Append => 0|1 >>

The behaviour of this option is dependent on the type of output data stream.

=over 5
=item * A Buffer

If C<Append> is enabled, all compressed data will be append to the end of the output buffer. Otherwise the output buffer will be cleared before any compressed data is written to it.

=item * A Filename

If C<Append> is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any compressed data is written to it.

=item * A Filehandle

If C<Append> is enabled, the filehandle will be positioned to the end of the file via a call to C<seek> before any compressed data is written to it. Otherwise the file pointer will not be moved.

=back

When C<Append> is specified, and set to true, it will I<append> all compressed data to the output data stream.

So when the output is a filehandle it will carry out a seek to the eof before writing any compressed data. If the output is a filename, it will be opened for appending. If the output is a buffer, all compressed data will be appended to the existing buffer.

Conversely when C<Append> is not specified, or it is present and is set to false, it will operate as follows.

When the output is a filename, it will truncate the contents of the file before writing any compressed data. If the output is a filehandle its position will not be changed. If the output is a buffer, it will be wiped before any compressed data is output.

Defaults to 0.

=back

=head2 Examples

To read the contents of the file C<file1.txt> and write the compressed data to the file C<file1.txt.zip>.

    use strict ;
    use warnings ;
    use IO::Compress::Zip qw(zip $ZipError) ;
my $input = "file1.txt";
zip $input => "$input.zip"
    or die "zip failed: $ZipError\n";

To read from an existing Perl filehandle, C<$input>, and write the
compressed data to a buffer, C<$buffer>.

use strict ;
use warnings ;
use IO::Compress::Zip qw(zip $ZipError) ;
use IO::File ;

my $input = new IO::File "<file1.txt"
    or die "Cannot open 'file1.txt': $!\n" ;
my $buffer ;
zip $input => \$buffer
    or die "zip failed: $ZipError\n";

To create a zip file, C<output.zip>, that contains the compressed contents
of the files C<alpha.txt> and C<beta.txt>

use strict ;
use warnings ;
use IO::Compress::Zip qw(zip $ZipError) ;

zip ['alpha.txt', 'beta.txt'] => 'output.zip'
    or die "zip failed: $ZipError\n";

Alternatively, rather than having to explicitly name each of the files that
you want to compress, you could use a fileglob to select all the C<txt>
files in the current directory, as follows

use strict ;
use warnings ;
use IO::Compress::Zip qw(zip $ZipError) ;

my @files = <*.txt>;
zip \@files => 'output.zip'
    or die "zip failed: $ZipError\n";

or more succinctly

zip [ <*.txt> ] => 'output.zip'
    or die "zip failed: $ZipError\n";

=head1 OO Interface
Constructor

The format of the constructor for C<IO::Compress::Zip> is shown below:

my $z = new IO::Compress::Zip $output [,OPTS]
    or die "IO::Compress::Zip failed: $ZipError\n";

It returns an C<IO::Compress::Zip> object on success and undef on failure. The variable C<$ZipError> will contain an error message on failure.

If you are running Perl 5.005 or better the object, C<$z>, returned from IO::Compress::Zip can be used exactly like an L<IO::File|IO::File> filehandle. This means that all normal output file operations can be carried out with C<$z>.
For example, to write to a compressed file/buffer you can use either of these forms:

$z->print("hello world\n");
print $z "hello world\n";

The mandatory parameter C<$output> is used to control the destination of the compressed data. This parameter can take one of these forms.

=over 5

=item A filename

If the C<$output> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the compressed data will be written to it.

=item A filehandle

If the C<$output> parameter is a filehandle, the compressed data will be written to it.
The string '-' can be used as an alias for standard output.

=item A scalar reference

If C<$output> is a scalar reference, the compressed data will be stored in C<$$output>.

=back

If the C<$output> parameter is any other type, C<IO::Compress::Zip>::new will return undef.

=head2 Constructor Options
C<OPTS> is any combination of the following options:

=over 5
=item C<< AutoClose => 0|1 >>

This option is only valid when the C<$output> parameter is a filehandle. If specified, and the value is true, it will result in the C<$output> being closed once either the C<close> method is called or the C<IO::Compress::Zip> object is destroyed.

This parameter defaults to 0.

=item C<< Append => 0|1 >>

Opens C<$output> in append mode.

The behaviour of this option is dependent on the type of C<$output>.

=over 5
=item * A Buffer

If C<$output> is a buffer and C<Append> is enabled, all compressed data will be append to the end of C<$output>. Otherwise C<$output> will be cleared before any data is written to it.

=item * A Filename

If C<$output> is a filename and C<Append> is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any compressed data is written to it.

=item * A Filehandle

If C<$output> is a filehandle, the file pointer will be positioned to the end of the file via a call to C<seek> before any compressed data is written to it. Otherwise the file pointer will not be moved.

=back

This parameter defaults to 0.

=item C<< Name => $string >>

Stores the contents of C<$string> in the zip filename header field.
If $Name$ is not specified and the $input$ parameter is a filename, the value of $input$ will be used for the zip filename header field.

If $Name$ is not specified and the $input$ parameter is not a filename, no zip filename field will be created.

Note that both the $CanonicalName$ and $FilterName$ options can modify the value used for the zip filename header field.

=item $CanonicalName => 0|1$

This option controls whether the filename field in the zip header is normalized into Unix format before being written to the zip file.

It is recommended that you enable this option unless you really need to create a non-standard Zip file.

This is what APPNOTE.TXT has to say on what should be stored in the zip filename header field.

The name of the file, with optional relative path. The path stored should not contain a drive or device letter, or a leading slash. All slashes should be forward slashes '/' as opposed to backwards slashes '\' for compatibility with Amiga and UNIX file systems etc.

This option defaults to false.

=item $FilterName => sub { ... }$

This option allow the filename field in the zip header to be modified before it is written to the zip file.

This option takes a parameter that must be a reference to a sub. On entry to the sub the $$_$ variable will contain the name to be filtered. If no filename is available $$_$ will contain an empty string.

The value of $$_$ when the sub returns will be stored in the filename header field.

Note that if $CanonicalName$ is enabled, a normalized filename will be passed to the sub.

If you use $FilterName$ to modify the filename, it is your responsibility to keep the filename in Unix format.

Although this option can be used with the OO interface, it is of most use
with the one-shot interface. For example, the code below shows how
C<FilterName> can be used to remove the path component from a series of
filenames before they are stored in C<$zipfile>.

    sub compressTxtFiles
    {
        my $zipfile = shift ;
        my $dir    = shift ;

        zip [ <$dir/*.txt> ] => $zipfile,
              FilterName => sub { s/^$dir/ /g } ;
    }

=item C<< Time => $number >>

Sets the last modified time field in the zip header to $number.
This field defaults to the time the C<IO::Compress::Zip> object was created
if this option is not specified and the C<$input> parameter is not a
filename.

=item C<< ExtAttr => $attr >>

This option controls the "external file attributes" field in the central
header of the zip file. This is a 4 byte field.
If you are running a Unix derivative this value defaults to

    0100644 << 16

This should allow read/write access to any files that are extracted from
the zip file/buffer.`.
For all other systems it defaults to 0.

=item C<< exTime => [$atime, $mtime, $ctime] >>

This option expects an array reference with exactly three elements:
C<$atime>, C<mtime> and C<$ctime>. These correspond to the last access
time, last modification time and creation time respectively.

It uses these values to set the extended timestamp field (ID is "UT") in
the local zip header using the three values, $atime, $mtime, $ctime. In
addition it sets the extended timestamp field in the central zip header
using C<$mtime>.

If any of the three values is C<undef> that time value will not be used.
So, for example, to set only the C<$mtime> you would use this
exTime => [undef, $mtime, undef]

If the C<Minimal> option is set to true, this option will be ignored.

By default no extended time field is created.

=item C<< exUnix2 => [$uid, $gid] >>

This option expects an array reference with exactly two elements: C<$uid> and C<$gid>. These values correspond to the numeric User ID (UID) and Group ID (GID) of the owner of the files respectively.

When the C<exUnix2> option is present it will trigger the creation of a Unix2 extra field (ID is "Ux") in the local zip header. This will be populated with C<$uid> and C<$gid>. An empty Unix2 extra field will also be created in the central zip header.

Note - The UID & GID are stored as 16-bit integers in the "Ux" field. Use C<< exUnixN >> if your UID or GID are 32-bit.

If the C<Minimal> option is set to true, this option will be ignored.

By default no Unix2 extra field is created.

=item C<< exUnixN => [$uid, $gid] >>

This option expects an array reference with exactly two elements: C<$uid> and C<$gid>. These values correspond to the numeric User ID (UID) and Group ID (GID) of the owner of the files respectively.

When the C<exUnixN> option is present it will trigger the creation of a UnixN extra field (ID is "ux") in both the local and central zip headers. This will be populated with C<$uid> and C<$gid>. The UID & GID are stored as 32-bit integers.

If the C<Minimal> option is set to true, this option will be ignored.

By default no UnixN extra field is created.

=item C<< Comment => $comment >>

Stores the contents of C<$comment> in the Central File Header of the zip file.

By default, no comment field is written to the zip file.
Stores the contents of C<$comment> in the End of Central Directory record of the zip file.

By default, no comment field is written to the zip file.

Controls which compression method is used. At present four compression methods are supported, namely Store (no compression at all), Deflate, Bzip2 and Lzma.

The symbols, ZIP_CM_STORE, ZIP_CM_DEFLATE, ZIP_CM_BZIP2 and ZIP_CM_LZMA are used to select the compression method.

These constants are not imported by C<IO::Compress::Zip> by default.

use IO::Compress::Zip qw(zip_method);
use IO::Compress::Zip qw(constants);
use IO::Compress::Zip qw(all);

Note that to create Bzip2 content, the module C<IO::Compress::Bzip2> must be installed. A fatal error will be thrown if you attempt to create Bzip2 content when C<IO::Compress::Bzip2> is not available.

Note that to create Lzma content, the module C<IO::Compress::Lzma> must be installed. A fatal error will be thrown if you attempt to create Lzma content when C<IO::Compress::Lzma> is not available.

The default method is ZIP_CM_DEFLATE.

This option controls whether the zip file/buffer output is created in streaming mode.

Note that when outputting to a file with streaming mode disabled (C<Stream> is 0), the output file must be seekable.

The default is 1.

Create a Zip64 zip file/buffer. This option is used if you want to store files larger than 4 Gig or store more than 64K files in a single zip archive.
C<Zip64> will be automatically set, as needed, if working with the one-shot interface when the input is either a filename or a scalar reference.

If you intend to manipulate the Zip64 zip files created with this module using an external zip/unzip, make sure that it supports Zip64.

In particular, if you are using Info-Zip you need to have zip version 3.x or better to update a Zip64 archive and unzip version 6.x to read a zip64 archive.

The default is 0.

=item C<< TextFlag => 0|1 >>

This parameter controls the setting of a bit in the zip central header. It is used to signal that the data stored in the zip file/buffer is probably text.

In one-shot mode this flag will be set to true if the Perl C<-T> operator thinks the file contains text.

The default is 0.

=item C<< ExtraFieldLocal => $data >>

=item C<< ExtraFieldCentral => $data >>

The C<ExtraFieldLocal> option is used to store additional metadata in the local header for the zip file/buffer. The C<ExtraFieldCentral> does the same for the matching central header.

An extra field consists of zero or more subfields. Each subfield consists of a two byte header followed by the subfield data.

The list of subfields can be supplied in any of the following formats:

ExtraFieldLocal => [Sid1, $data1, $id2, $data2, ...
 ]

ExtraFieldLocal => [ [Sid1 => $data1], [$id2 => $data2], ...
 ]

ExtraFieldLocal => { $id1 => $data1, $id2 => $data2, ... }
Where `C<$id1>`, `C<$id2>` are two byte subfield ID's.

If you use the hash syntax, you have no control over the order in which the ExtraSubFields are stored, plus you cannot have SubFields with duplicate ID.

Alternatively the list of subfields can by supplied as a scalar, thus

```
ExtraField => $rawdata
```

In this case `C<IO::Compress::Zip>` will check that `C<$rawdata>` consists of zero or more conformant sub-fields.

The Extended Time field (ID "UT"), set using the `C<exTime>` option, and the Unix2 extra field (ID "Ux"), set using the `C<exUnix2>` option, are examples of extra fields.

If the `C<Minimal>` option is set to true, this option will be ignored.

The maximum size of an extra field 65535 bytes.

```
=item C<< Minimal => 1|0 >>
```

If specified, this option will disable the creation of all extra fields in the zip local and central headers. So the `C<exTime>`, `C<exUnix2>`, `C<exUnixN>`, `C<ExtraFieldLocal>` and `C<ExtraFieldCentral>` options will be ignored.

This parameter defaults to 0.

```
=item C<< BlockSize100K => number >>
```

Specify the number of 100K blocks bzip2 uses during compression.

Valid values are from 1 to 9, where 9 is best compression.

This option is only valid if the `C<Method>` is `ZIP_CM_BZIP2`. It is ignored otherwise.

The default is 1.

```
=item C<< WorkFactor => number >>
```

Specifies how much effort bzip2 should take before resorting to a slower fallback compression algorithm.
Valid values range from 0 to 250, where 0 means use the default value 30.

This option is only valid if the `C<Method>` is `ZIP_CM_BZIP2`. It is ignored otherwise.

The default is 0.

=item C<< Preset => number >>

Used to choose the LZMA compression preset.

Valid values are 0-9 and `C<LZMA_PRESET_DEFAULT>`.

0 is the fastest compression with the lowest memory usage and the lowest compression.

9 is the slowest compression with the highest memory usage but with the best compression.

This option is only valid if the `C<Method>` is `ZIP_CM_LZMA`. It is ignored otherwise.

Defaults to `C<LZMA_PRESET_DEFAULT>` (6).

=item C<< Extreme => 0|1 >>

Makes LZMA compression a lot slower, but a small compression gain.

This option is only valid if the `C<Method>` is `ZIP_CM_LZMA`. It is ignored otherwise.

Defaults to 0.

=item -Level

Defines the compression level used by zlib. The value should either be a number between 0 and 9 (0 means no compression and 9 is maximum compression), or one of the symbolic constants defined below.

- `Z_NO_COMPRESSION`
- `Z_BEST_SPEED`
- `Z_BEST_COMPRESSION`
- `Z_DEFAULT_COMPRESSION`

The default is `Z_DEFAULT_COMPRESSION`.

Note, these constants are not imported by `C<IO::Compress::Zip>` by default.
use IO::Compress::Zip qw(:strategy);
use IO::Compress::Zip qw(:constants);
use IO::Compress::Zip qw(:all);

=item -Strategy

Defines the strategy used to tune the compression. Use one of the symbolic constants defined below.

  Z_FILTERED
  Z_HUFFMAN_ONLY
  Z_RLE
  Z_FIXED
  Z_DEFAULT_STRATEGY

The default is Z_DEFAULT_STRATEGY.

=item C<< Strict => 0|1 >>

This is a placeholder option.

=back

=head2 Examples

TODO

=head1 Methods

=head2 print

Usage is

    $z->print($data)
    print $z $data

Compresses and outputs the contents of the C<$data> parameter. This has the same behaviour as the C<print> built-in.

Returns true if successful.

=head2 printf

Usage is

    $z->printf($format, $data)
    printf $z $format, $data
Compresses and outputs the contents of the C<$data> parameter.

Returns true if successful.

=head2 syswrite

Usage is

   $z->syswrite $data
   $z->syswrite $data, $length
   $z->syswrite $data, $length, $offset

Compresses and outputs the contents of the C<$data> parameter.

Returns the number of uncompressed bytes written, or C<undef> if unsuccessful.

=head2 write

Usage is

   $z->write $data
   $z->write $data, $length
   $z->write $data, $length, $offset

Compresses and outputs the contents of the C<$data> parameter.

Returns the number of uncompressed bytes written, or C<undef> if unsuccessful.

=head2 flush

Usage is

   $z->flush;
   $z->flush($flush_type);

Flushes any pending compressed data to the output file/buffer.

This method takes an optional parameter, C<$flush_type>, that controls how the flushing will be carried out. By default the C<$flush_type> used is C<Z_FINISH>. Other valid values for C<$flush_type> are C<Z_NO_FLUSH>, C<Z_SYNC_FLUSH>, C<Z_FULL_FLUSH> and C<Z_BLOCK>. It is strongly recommended that you only set the C<$flush_type> parameter if you fully understand the implications of what it does - overuse of C<flush> can seriously degrade the level of compression achieved. See the C<zlib> documentation for details.
Returns true on success.

=head2 tell

Usage is

$z->tell()
tell $z

Returns the uncompressed file offset.

=head2 eof

Usage is

$z->eof();
eof($z);

Returns true if the C<close> method has been called.

=head2 seek

$z->seek($position, $whence);
seek($z, $position, $whence);

Provides a sub-set of the C<seek> functionality, with the restriction that it is only legal to seek forward in the output file/buffer. It is a fatal error to attempt to seek backward.

Empty parts of the file/buffer will have NULL (0x00) bytes written to them.

The C<$whence> parameter takes one the usual values, namely SEEK_SET, SEEK_CUR or SEEK_END.

Returns 1 on success, 0 on failure.

=head2 binmode

Usage is

$z->binmode
binmode $z :

This is a noop provided for completeness.

=head2 opened
$z->opened()

Returns true if the object currently refers to a opened file/buffer.

=head2 autoflush

my $prev = $z->autoflush()
my $prev = $z->autoflush(EXPR)

If the C<$z> object is associated with a file or a filehandle, this method returns the current autoflush setting for the underlying filehandle. If C<EXPR> is present, and is non-zero, it will enable flushing after every write/print operation.

If C<$z> is associated with a buffer, this method has no effect and always returns C<undef>.

B<Note> that the special variable C<$|> B<cannot> be used to set or retrieve the autoflush setting.

=head2 input_line_number

$z->input_line_number()
$z->input_line_number(EXPR)

This method always returns C<undef> when compressing.

=head2 fileno

$z->fileno()
fileno($z)

If the C<$z> object is associated with a file or a filehandle, C<fileno> will return the underlying file descriptor. Once the C<close> method is called C<fileno> will return C<undef>.

If the C<$z> object is associated with a buffer, this method will return C<undef>.

=head2 close

$z->close() ;
close $z ;

Flushes any pending compressed data and then closes the output file/buffer.

For most versions of Perl this method will be automatically invoked if the IO::Compress::Zip object is destroyed (either explicitly or by the
variable with the reference to the object going out of scope). The exceptions are Perl versions 5.005 through 5.00504 and 5.8.0. In these cases, the C<close> method will be called automatically, but not until global destruction of all live objects when the program is terminating.

Therefore, if you want your scripts to be able to run on all versions of Perl, you should call C<close> explicitly and not rely on automatic closing.

Returns true on success, otherwise 0.

If the C<AutoClose> option has been enabled when the IO::Compress::Zip object was created, and the object is associated with a file, the underlying file will also be closed.

=head2 newStream([OPTS])

Usage is

$z->newStream( [OPTS] )

Closes the current compressed data stream and starts a new one.

OPTS consists of any of the options that are available when creating the C<$z> object.

See the L</"Constructor Options"> section for more details.

=head2 deflateParams

Usage is

$z->deflateParams

TODO

=head1 Importing

A number of symbolic constants are required by some methods in C<IO::Compress::Zip>. None are imported by default.

=over 5

=item :all

Imports C<zip>, C<$ZipError> and all symbolic constants that can be used by C<IO::Compress::Zip>. Same as doing this
use IO::Compress::Zip qw(zip $ZipError :constants) ;

=item :constants

Import all symbolic constants. Same as doing this

use IO::Compress::Zip qw(:flush :level :strategy :zip_method) ;

=item :flush

These symbolic constants are used by the C<flush> method.

Z_NO_FLUSH
Z_PARTIAL_FLUSH
Z_SYNC_FLUSH
Z_FULL_FLUSH
Z_FINISH
Z_BLOCK

=item :level

These symbolic constants are used by the C<Level> option in the constructor.

Z_NO_COMPRESSION
Z_BEST_SPEED
Z_BEST_COMPRESSION
Z_DEFAULT_COMPRESSION

=item :strategy

These symbolic constants are used by the C<Strategy> option in the constructor.

Z_FILTERED
Z_HUFFMAN_ONLY
Z_RLE
Z_FIXED
Z_DEFAULT_STRATEGY

=item :zip_method

These symbolic constants are used by the C<Method> option in the constructor.

ZIP_CM_STORE
ZIP_CM_DEFLATE
ZIP_CM_BZIP2
EXAMPLES

Apache::GZip Revisited

See L<IO::Compress::FAQ/IO::Compress::FAQ/"Apache::GZip Revisited">.

Working with Net::FTP

See L<IO::Compress::FAQ/IO::Compress::FAQ/"Compressed files and Net::FTP">.

SEE ALSO

L<Compress::Zlib>, L<IO::Compress::Gzip>, L<IO::Uncompress::Gunzip>, L<IO::Compress::Deflate>,
L<IO::Uncompress::Inflate>, L<IO::Compress::RawDeflate>, L<IO::Uncompress::RawInflate>,
L<IO::Compress::Bzip2>, L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>,
L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>, L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>,
L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>, L<IO::Uncompress::UnLzf>,
L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>

L<IO::Compress::FAQ/IO::Compress::FAQ>

L<File::GlobMapper/File::GlobMapper>, L<Archive::Zip/Archive::Zip>,
L<Archive::Tar/Archive::Tar>,
L<IO::Zlib/IO::Zlib>

For RFC 1950, 1951 and 1952 see
L<http://www.faqs.org/rfcs/rfc1950.html>,
L<http://www.faqs.org/rfcs/rfc1951.html> and

The I<zlib> compression library was written by Jean-loup Gailly
C<gzip@prep.ai.mit.edu> and Mark Adler C<madler@alumni.caltech.edu>.

The primary site for the I<zlib> compression library is

The primary site for gzip is L<http://www.gzip.org>.

AUTHOR

This module was written by Paul Marquess, C<pmqs@cpan.org>.

MODIFICATION HISTORY

See the Changes file.
COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-2.081/lib/IO/Compress/Zip.pm
No license file was found, but licenses were detected in source scan.

IO-Compress

Version 2.081

4 April 2018

Copyright (c) 1995-2018 Paul Marquess. All rights reserved.
This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

DESCRIPTION
-----------

This distribution provides a Perl interface to allow reading and writing of compressed data created with the zlib and bzip2 libraries.

IO-Compress supports reading and writing of bzip2, RFC 1950, RFC 1951, RFC 1952 (i.e. gzip) and zip files/buffers.

The following modules used to be distributed separately, but are now included with the IO-Compress distribution.

Compress-Zlib
IO-Compress-Zlib
IO-Compress-Bzip2
IO-Compress-Base

PREREQUISITES
------------

Before you can build IO-Compress you need to have the following installed on your system:

* Perl 5.006 or better.
* Compress::Raw::Zlib
* Compress::Raw::Bzip2
BUILDING THE MODULE
---------------

Assuming you have met all the prerequisites, the module can now be built using this sequence of commands:

perl Makefile.PL
make
make test

INSTALLATION
----------

To install IO-Compress, run the command below:

make install

TROUBLESHOOTING
----------

FEEDBACK
------

How to report a problem with IO-Compress.

To help me help you, I need all of the following information:

1. The Versions of everything relevant.
   This includes:

   a. The *complete* output from running this

      perl -V

      Do not edit the output in any way.
      Note, I want you to run "perl -V" and NOT "perl -v".

      If your perl does not understand the "-V" option it is too old. This module needs Perl version 5.004 or better.

   b. The version of IO-Compress you have.
      If you have successfully installed IO-Compress, this one-liner will tell you:

      perl -MIO::Compress::Gzip -e 'print qq[ver $IO::Compress::Gzip::VERSION\n]'

      If you are running windows use this
perl -MIO::Compress::Gzip -e "print qq[ver $IO::Compress::Gzip::VERSION\n]"

If you haven't installed IO-Compress then search IO::Compress::Gzip.pm for a line like this:

$VERSION = "2.081" ;

2. If you are having problems building IO-Compress, send me a complete log of what happened. Start by unpacking the IO-Compress module into a fresh directory and keep a log of all the steps

[edit config.in, if necessary]
perl Makefile.PL
make
make test TEST_VERBOSE=1

Paul Marquess <pmqs@cpan.org>

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-2.081/README
No license file was found, but licenses were detected in source scan.

=head1 NAME

IO::Uncompress::Gunzip - Read RFC 1952 files/buffers

=head1 SYNOPSIS

use IO::Uncompress::Gunzip qw(gunzip $GunzipError) ;

my $status = gunzip $input => $output [,OPTS]
  or die "gunzip failed: $GunzipError\n";

my $z = new IO::Uncompress::Gunzip $input [OPTS]
  or die "gunzip failed: $GunzipError\n";

$status = $z->read($buffer)
$status = $z->read($buffer, $length)
$status = $z->read($buffer, $length, $offset)
$line = $z->getline()
$char = $z->getc()
$char = $z->ungetc()
$char = $z->opened()

$status = $z->inflateSync()
$data = $z->trailingData()
$status = $z->nextStream()
$data = $z->getHeaderInfo()
$z->tell()
$z->seek($position, $whence)
$z->binmode()
$z->fileno()
$z->eof()
$z->close()

$GunzipError ;

# IO::File mode

<$z>
read($z, $buffer);
read($z, $buffer, $length);
read($z, $buffer, $length, $offset);
tell($z)
seek($z, $position, $whence)
binmode($z)
fileno($z)
eof($z)
close($z)

=head1 DESCRIPTION

This module provides a Perl interface that allows the reading of files/buffers that conform to RFC 1952.

For writing RFC 1952 files/buffers, see the companion module IO::Compress::Gzip.

=head2 Functional Interface

A top-level function, C<gunzip>, is provided to carry out "one-shot" uncompression between buffers and/or files. For finer control over the uncompression process, see the L</"OO Interface"> section.

use IO::Uncompress::Gunzip qw(gunzip $GunzipError) ;

gunzip $input_filename_or_reference => $output_filename_or_reference [,OPTS]
or die "gunzip failed: $GunzipError\n";

The functional interface needs Perl5.005 or better.

=head2 gunzip $input_filename_or_reference => $output_filename_or_reference [, OPTS]
C<gunzip> expects at least two parameters, C<$input_filename_or_reference> and C<$output_filename_or_reference>.

=head3 The C<$input_filename_or_reference> parameter

The parameter, C<$input_filename_or_reference>, is used to define the source of the compressed data.

It can take one of the following forms:

=over 5

=item A filename

If the C<$input_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for reading and the input data will be read from it.

=item A filehandle

If the C<$input_filename_or_reference> parameter is a filehandle, the input data will be read from it. The string '-' can be used as an alias for standard input.

=item A scalar reference

If C<$input_filename_or_reference> is a scalar reference, the input data will be read from C<$$input_filename_or_reference>.

=item An array reference

If C<$input_filename_or_reference> is an array reference, each element in the array must be a filename.

The input data will be read from each file in turn.

The complete array will be walked to ensure that it only contains valid filenames before any data is uncompressed.

=item An Input FileGlob string

If C<$input_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<gunzip> will assume that it is an I<input fileglob string>. The input is the list of files that match the fileglob.

See L<File::GlobMapper|File::GlobMapper> for more details.
If the C<$input_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head3 The C<$output_filename_or_reference> parameter

The parameter C<$output_filename_or_reference> is used to control the destination of the uncompressed data. This parameter can take one of these forms.

=item A filename

If the C<$output_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the uncompressed data will be written to it.

=item A filehandle

If the C<$output_filename_or_reference> parameter is a filehandle, the uncompressed data will be written to it. The string '-' can be used as an alias for standard output.

=item A scalar reference

If C<$output_filename_or_reference> is a scalar reference, the uncompressed data will be stored in C<$$output_filename_or_reference>.

=item An Array Reference

If C<$output_filename_or_reference> is an array reference, the uncompressed data will be pushed onto the array.

=item An Output FileGlob

If C<$output_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<gunzip> will assume that it is an I<output fileglob string>. The output is the list of files that match the fileglob.

When C<$output_filename_or_reference> is a fileglob string, C<$input_filename_or_reference> must also be a fileglob string. Anything else is an error.

See L<File::GlobMapper|File::GlobMapper> for more details.
If the \$output_filename_or_reference parameter is any other type, \$undef will be returned.

=head2 Notes

When \$input_filename_or_reference maps to multiple compressed files/buffers and \$output_filename_or_reference is a single file/buffer, after uncompression \$output_filename_or_reference will contain a concatenation of all the uncompressed data from each of the input files/buffers.

=head2 Optional Parameters

Unless specified below, the optional parameters for gunzip, \$OPTS, are the same as those used with the OO interface defined in the L</"Constructor Options"> section below.

=item C<< AutoClose => 0|1 >>

This option applies to any input or output data streams to gunzip that are filehandles.

If AutoClose is specified, and the value is true, it will result in all input and/or output filehandles being closed once gunzip has completed.

This parameter defaults to 0.

=item C<< BinModeOut => 0|1 >>

When writing to a file or filehandle, set binmode before writing to the file.

Defaults to 0.

=item C<< Append => 0|1 >>

The behaviour of this option is dependent on the type of output data stream.

=over 5

=item * A Buffer
If C<Append> is enabled, all uncompressed data will be append to the end of the output buffer. Otherwise the output buffer will be cleared before any uncompressed data is written to it.

=item * A Filename

If C<Append> is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any uncompressed data is written to it.

=item * A Filehandle

If C<Append> is enabled, the filehandle will be positioned to the end of the file via a call to C<seek> before any uncompressed data is written to it. Otherwise the file pointer will not be moved.

=back

When C<Append> is specified, and set to true, it will append all uncompressed data to the output data stream.

So when the output is a filehandle it will carry out a seek to the eof before writing any uncompressed data. If the output is a filename, it will be opened for appending. If the output is a buffer, all uncompressed data will be appended to the existing buffer.

Conversely when C<Append> is not specified, or it is present and is set to false, it will operate as follows.

When the output is a filename, it will truncate the contents of the file before writing any uncompressed data. If the output is a filehandle its position will not be changed. If the output is a buffer, it will be wiped before any uncompressed data is output.

Defaults to 0.

=item C<< MultiStream => 0|1 >>

If the input file/buffer contains multiple compressed data streams, this option will uncompress the whole lot as a single data stream.

Defaults to 0.

=item C<< TrailingData => $scalar >>

Returns the data, if any, that is present immediately after the compressed data stream once uncompression is complete.
This option can be used when there is useful information immediately following the compressed data stream, and you don't know the length of the compressed data stream.

If the input is a buffer, C<trailingData> will return everything from the end of the compressed data stream to the end of the buffer.

If the input is a filehandle, C<trailingData> will return the data that is left in the filehandle input buffer once the end of the compressed data stream has been reached. You can then use the filehandle to read the rest of the input file.

Don't bother using C<trailingData> if the input is a filename.

If you know the length of the compressed data stream before you start uncompressing, you can avoid having to use C<trailingData> by setting the C<InputLength> option.

=head2 Examples

To read the contents of the file C<file1.txt.gz> and write the uncompressed data to the file C<file1.txt>.

use strict ;
use warnings ;
use IO::Uncompress::Gunzip qw(gunzip $GunzipError) ;

my $input = "file1.txt.gz";
my $output = "file1.txt";
gunzip $input => $output
  or die "gunzip failed: $GunzipError\n";

To read from an existing Perl filehandle, C<$input>, and write the uncompressed data to a buffer, C<$buffer>.

use strict ;
use warnings ;
use IO::Uncompress::Gunzip qw(gunzip $GunzipError) ;
use IO::File ;

my $input = new IO::File "<file1.txt.gz"
  or die "Cannot open 'file1.txt.gz': $!\n" ;
my $buffer ;
gunzip $input => $buffer
  or die "gunzip failed: $GunzipError\n";
To uncompress all files in the directory "/my/home" that match "*.txt.gz" and store the compressed data in the same directory

```perl
use strict;
use warnings;
use IO::Uncompress::Gunzip qw(gunzip $GunzipError);

 gunzip '</my/home/*.txt.gz>' => '</my/home/#1.txt>'
   or die "gunzip failed: $GunzipError\n";
```

and if you want to compress each file one at a time, this will do the trick

```perl
use strict;
use warnings;
use IO::Uncompress::Gunzip qw(gunzip $GunzipError);

for my $input ( glob '/my/home/*.txt.gz' )
{
   my $output = $input;
   $output =~ s/.gz//;
   gunzip $input => $output
   or die "Error compressing '$input': $GunzipError\n";
}
```

=head1 OO Interface

=head2 Constructor

The format of the constructor for IO::Uncompress::Gunzip is shown below

```perl
my $z = new IO::Uncompress::Gunzip $input [OPTS]
   or die "IO::Uncompress::Gunzip failed: $GunzipError\n";
```

Returns an C<IO::Uncompress::Gunzip> object on success and undef on failure. The variable C<$GunzipError> will contain an error message on failure.

If you are running Perl 5.005 or better the object, C<$z>, returned from IO::Uncompress::Gunzip can be used exactly like an L<IO::File|IO::File> filehandle. This means that all normal input file operations can be carried out with C<$z>. For example, to read a line from a compressed file/buffer you can use either of these forms

```perl
$line = $z->getline();
$line = <$z>;
```

The mandatory parameter C<$input> is used to determine the source of the compressed data. This parameter can take one of three forms.
=item A filename

If the C<$input> parameter is a scalar, it is assumed to be a filename. This file will be opened for reading and the compressed data will be read from it.

=item A filehandle

If the C<$input> parameter is a filehandle, the compressed data will be read from it. The string '.' can be used as an alias for standard input.

=item A scalar reference

If C<$input> is a scalar reference, the compressed data will be read from C<$input>.

=back

=head2 Constructor Options

The option names defined below are case insensitive and can be optionally prefixed by a '-'. So all of the following are valid:

- AutoClose
  - autoclose
    AUTOCLOSE
    autoclose

OPTS is a combination of the following options:

=over 5

=item C<< AutoClose => 0|1 >>

This option is only valid when the C<$input> parameter is a filehandle. If specified, and the value is true, it will result in the file being closed once either the C<close> method is called or the IO::Uncompress::Gunzip object is destroyed.

This parameter defaults to 0.

=item C<< MultiStream => 0|1 >>

Allows multiple concatenated compressed streams to be treated as a single compressed stream. Decompression will stop once either the end of the file/buffer is reached, an error is encountered (premature eof, corrupt
compressed data) or the end of a stream is not immediately followed by the start of another stream.

This parameter defaults to 0.

=item C<< Prime => $string >>

This option will uncompress the contents of C<$string> before processing the input file/buffer.

This option can be useful when the compressed data is embedded in another file/data structure and it is not possible to work out where the compressed data begins without having to read the first few bytes. If this is the case, the uncompression can be I<primed> with these bytes using this option.

=item C<< Transparent => 0|1 >>

If this option is set and the input file/buffer is not compressed data, the module will allow reading of it anyway.

In addition, if the input file/buffer does contain compressed data and there is non-compressed data immediately following it, setting this option will make this module treat the whole file/buffer as a single data stream.

This option defaults to 1.

=item C<< BlockSize => $num >>

When reading the compressed input data, IO::Uncompress::Gunzip will read it in blocks of C<$num> bytes.

This option defaults to 4096.

=item C<< InputLength => $size >>

When present this option will limit the number of compressed bytes read from the input file/buffer to C<$size>. This option can be used in the situation where there is useful data directly after the compressed data stream and you know beforehand the exact length of the compressed data stream.

This option is mostly used when reading from a filehandle, in which case the file pointer will be left pointing to the first byte directly after the compressed data stream.

This option defaults to off.
This option controls what the \texttt{read} method does with uncompressed data.

If set to 1, all uncompressed data will be appended to the output parameter of the \texttt{read} method.

If set to 0, the contents of the output parameter of the \texttt{read} method will be overwritten by the uncompressed data.

Defaults to 0.

This option controls whether the extra checks defined below are used when carrying out the decompression. When Strict is on, the extra tests are carried out, when Strict is off they are not.

The default for this option is off.

If the FHCRC bit is set in the gzip FLG header byte, the CRC16 bytes in the header must match the crc16 value of the gzip header actually read.

If the gzip header contains a name field (FNAME) it consists solely of ISO 8859-1 characters.

If the gzip header contains a comment field (FCOMMENT) it consists solely of ISO 8859-1 characters plus line-feed.

If the gzip FEXTRA header field is present it must conform to the sub-field structure as defined in RFC 1952.

The CRC32 and ISIZE trailer fields must be present.
The value of the CRC32 field read must match the crc32 value of the uncompressed data actually contained in the gzip file.

=item 7

The value of the isize fields read must match the length of the uncompressed data actually read from the file.

=back

=item C<< ParseExtra => 0|1 >>

If the gzip FEXTRA header field is present and this option is set, it will force the module to check that it conforms to the sub-field structure as defined in RFC 1952.

If the C<Strict> is on it will automatically enable this option.

Defaults to 0.

=back

=head2 Examples

TODO

=head1 Methods

=head2 read

Usage is

$status = $z->read($buffer)

Reads a block of compressed data (the size of the compressed block is determined by the $buffer option in the constructor), uncompresses it and writes any uncompressed data into $buffer. If the $Append parameter is set in the constructor, the uncompressed data will be appended to the $buffer parameter. Otherwise $buffer will be overwritten.

Returns the number of uncompressed bytes written to $buffer, zero if eof or a negative number on error.

=head2 read

Usage is

$status = $z->read($buffer, $length)
$status = $z->read($buffer, $length, $offset)
$status = read($z, $buffer, $length)
$status = read($z, $buffer, $length, $offset)

Attempt to read C<$length> bytes of uncompressed data into C<$buffer>.

The main difference between this form of the C<read> method and the previous one, is that this one will attempt to return I<exactly> C<$length> bytes. The only circumstances that this function will not is if end-of-file or an IO error is encountered.

Returns the number of uncompressed bytes written to C<$buffer>, zero if eof or a negative number on error.

=head2 getline

Usage is

    $line = $z->getline()
    $line = <$z>

Reads a single line.

This method fully supports the use of the variable C<$/> (or C<$INPUT_RECORD_SEPARATOR> or C<$RS> when C<English> is in use) to determine what constitutes an end of line. Paragraph mode, record mode and file slurp mode are all supported.

=head2 getc

Usage is

    $char = $z->getc()

Read a single character.

=head2 ungetc

Usage is

    $char = $z->ungetc($string)

=head2 inflateSync

Usage is

    $status = $z->inflateSync()
getHeaderInfo

Usage is

```perl
$hdr = $z->getHeaderInfo();
@hdrs = $z->getHeaderInfo();
```

This method returns either a hash reference (in scalar context) or a list or hash references (in array context) that contains information about each of the header fields in the compressed data stream(s).

Name

The contents of the Name header field, if present. If no name is present, the value will be undef. Note this is different from a zero length name, which will return an empty string.

Comment

The contents of the Comment header field, if present. If no comment is present, the value will be undef. Note this is different from a zero length comment, which will return an empty string.

tell

Usage is

```perl
$z->tell();
tell $z
```

Returns the uncompressed file offset.

eof

Usage is

```perl
$z->eof();
eof($z);
```

Returns true if the end of the compressed input stream has been reached.
$z->seek($position, $whence);
seek($z, $position, $whence);

Provides a sub-set of the C<seek> functionality, with the restriction that it is only legal to seek forward in the input file/buffer.
It is a fatal error to attempt to seek backward.

Note that the implementation of C<seek> in this module does not provide true random access to a compressed file/buffer. It works by uncompressing data from the current offset in the file/buffer until it reaches the uncompressed offset specified in the parameters to C<seek>. For very small files this may be acceptable behaviour. For large files it may cause an unacceptable delay.

The C<$whence> parameter takes one of the usual values, namely SEEK_SET, SEEK_CUR or SEEK_END.

Returns 1 on success, 0 on failure.

=head2 binmode

Usage is

$z->binmode
binmode $z ;

This is a noop provided for completeness.

=head2 opened

$z->opened()

Returns true if the object currently refers to a opened file/buffer.

=head2 autoflush

my $prev = $z->autoflush()
my $prev = $z->autoflush(EXPR)

If the C<$z> object is associated with a file or a filehandle, this method returns the current autoflush setting for the underlying filehandle. If C<EXPR> is present, and is non-zero, it will enable flushing after every write/print operation.

If C<$z> is associated with a buffer, this method has no effect and always returns C<undef>. 

B<Note> that the special variable C<$|> B<cannot> be used to set or retrieve the autoflush setting.

=head2 input_line_number

$z->input_line_number()
$z->input_line_number(EXPR)

Returns the current uncompressed line number. If C<EXPR> is present it has the effect of setting the line number. Note that setting the line number does not change the current position within the file/buffer being read.

The contents of C<$/> are used to determine what constitutes a line terminator.

=head2 fileno

$z->fileno()
fileno($z)

If the C<$z> object is associated with a file or a filehandle, C<fileno> will return the underlying file descriptor. Once the C<close> method is called C<fileno> will return C<undef>.

If the C<$z> object is associated with a buffer, this method will return C<undef>.

=head2 close

$z->close()
  close $z ;

Closes the output file/buffer.

For most versions of Perl this method will be automatically invoked if the IO::Uncompress::Gunzip object is destroyed (either explicitly or by the variable with the reference to the object going out of scope). The exceptions are Perl versions 5.005 through 5.00504 and 5.8.0. In these cases, the C<close> method will be called automatically, but not until global destruction of all live objects when the program is terminating.

Therefore, if you want your scripts to be able to run on all versions of Perl, you should call C<close> explicitly and not rely on automatic closing.

Returns true on success, otherwise 0.
If the C<AutoClose> option has been enabled when the IO::Uncompress::Gunzip object was created, and the object is associated with a file, the underlying file will also be closed.

=head2 nextStream

Usage is

    my $status = $z->nextStream();

Skips to the next compressed data stream in the input file/buffer. If a new compressed data stream is found, the eof marker will be cleared and C<$> will be reset to 0.

Returns 1 if a new stream was found, 0 if none was found, and -1 if an error was encountered.

=head2 trailingData

Usage is

    my $data = $z->trailingData();

Returns the data, if any, that is present immediately after the compressed data stream once uncompression is complete. It only makes sense to call this method once the end of the compressed data stream has been encountered.

This option can be used when there is useful information immediately following the compressed data stream, and you don't know the length of the compressed data stream.

If the input is a buffer, C<trailingData> will return everything from the end of the compressed data stream to the end of the buffer.

If the input is a filehandle, C<trailingData> will return the data that is left in the filehandle input buffer once the end of the compressed data stream has been reached. You can then use the filehandle to read the rest of the input file.

Don't bother using C<trailingData> if the input is a filename.

If you know the length of the compressed data stream before you start uncompressing, you can avoid having to use C<trailingData> by setting the C<InputLength> option in the constructor.

=head1 Importing
No symbolic constants are required by this IO::Uncompress::Gunzip at present.

=item :all

Imports C<gunzip> and C<$GunzipError>.

Same as doing this

    use IO::Uncompress::Gunzip qw(gunzip $GunzipError);

=back

=head1 EXAMPLES

=head2 Working with Net::FTP

See L<IO::Compress::FAQ|IO::Compress::FAQ/"Compressed files and Net::FTP">

=head1 SEE ALSO

L<Compress::Zlib>, L<IO::Compress::Gzip>, L<IO::Compress::Deflate>, L<IO::Uncompress::Inflate>,
L<IO::Compress::RawDeflate>, L<IO::Uncompress::RawInflate>, L<IO::Compress::Bzip2>,
L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>, L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>,
L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>, L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>,
L<IO::Uncompress::UnLzf>, L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>

L<IO::Compress::FAQ|IO::Compress::FAQ>

L<File::GlobMapper|File::GlobMapper>, L<Archive::Zip|Archive::Zip>,
L<Archive::Tar|Archive::Tar>,
L<IO::Zlib|IO::Zlib>

For RFC 1950, 1951 and 1952 see
L<http://www.faqs.org/rfcs/rfc1950.html>,
L<http://www.faqs.org/rfcs/rfc1951.html> and

The I<zlib> compression library was written by Jean-loup Gailly
C<gzip@prep.ai.mit.edu> and Mark Adler C<madler@alumni.caltech.edu>.

The primary site for the I<zlib> compression library is

The primary site for gzip is L<http://www.gzip.org>.

=head1 AUTHOR
This module was written by Paul Marquess, C<pmqs@cpan.org>.

=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-
b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-
2.081/lib/IO/Uncompress/Gunzip.pm

No license file was found, but licenses were detected in source scan.

=head1 NAME

zipdetails - display the internal structure of zip files

=head1 SYNOPSIS

    zipdetails [-v] zipfile.zip
    zipdetails -h

=head1 DESCRIPTION

Zipdetails displays information about the internal record structure of the
zip file. It is not concerned with displaying any details of the compressed
data stored in the zip file.

The program assumes prior understanding of the internal structure of a Zip
file. You should have a copy of the Zip APPNOTE file at hand to help
understand the output from this program (L<SEE ALSO> for details).

=head2 OPTIONS

=over 5

=item -v

Enable Verbose mode

=item -h
Display help
=back

By default zipdetails will output the details of the zip file in three columns.

=over 5
=over 5

=item Column 1

This contains the offset from the start of the file in hex.

=item Column 2

This contains a textual description of the field.

=item Column 3

If the field contains a numeric value it will be displayed in hex. Zip stored most numbers in little-endian format - the value displayed will have the little-endian encoding removed.

Next, is an optional description of what the value means.

=back

If the C<-v> option is present, column 1 is expanded to include

=over 5
=over 5

=item *

The offset from the start of the file in hex.

=item *

The length of the field in hex.

=item *

A hex dump of the bytes in the field in the order they are stored in the zip file.

=back
Error handling is still a work in progress. If the program encounters a problem reading a zip file it is likely to terminate with an unhelpful error message.


An alternative reference is the Info-Zip appnote. This is available from L<ftp://ftp.info-zip.org/pub/infozip/doc/>

The C<zipinfo> program that comes with the info-zip distribution (L<http://www.info-zip.org/> can also display details of the structure of a zip file.

See also L<Archive::Zip::SimpleZip>, L<IO::Compress::Zip>, L<IO::Uncompress::Unzip>.

Paul Marquess F<pmqs@cpan.org>.

Copyright (c) 2011-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

No license file was found, but licenses were detected in source scan.

IO::Compress::RawDeflate - Write RFC 1951 files/buffers

=head1 SYNOPSIS
use IO::Compress::RawDeflate qw(rawdeflate $RawDeflateError);

my $status = rawdeflate $input => $output [,OPTS]
or die "rawdeflate failed: $RawDeflateError\n";

my $z = new IO::Compress::RawDeflate $output [,OPTS]
or die "rawdeflate failed: $RawDeflateError\n";

$z->print($string);
$z->printf($format, $string);
$z->write($string);
$z->syswrite($string [, $length, $offset]);
$z->flush();
$z->tell();
$z->eof();
$z->seek($position, $whence);
$z->binmode();
$z->fileno();
$z->opened();
$z->autoflush();
$z->input_line_number();
$z->newStream( [OPTS] );

$z->deflateParams();

$z->close();

$RawDeflateError;

# IO::File mode

print $z $string;
printf $z $format, $string;
tell $z
eof $z
seek $z, $position, $whence
binmode $z
fileno $z
close $z;

=head1 DESCRIPTION

This module provides a Perl interface that allows writing compressed data to files or buffer as defined in RFC 1951.

Note that RFC 1951 data is not a good choice of compression format to use in isolation, especially if you want to auto-detect it.
For reading RFC 1951 files/buffers, see the companion module
L<IO::Uncompress::RawInflate|IO::Uncompress::RawInflate>.

=head1 Functional Interface

A top-level function, C<rawdeflate>, is provided to carry out
"one-shot" compression between buffers and/or files. For finer
control over the compression process, see the L</"OO Interface">
section.

use IO::Compress::RawDeflate qw(rawdeflate $RawDeflateError) ;

rawdeflate $input_filename_or_reference => $output_filename_or_reference [,OPTS]
or die "rawdeflate failed: $RawDeflateError\n";

The functional interface needs Perl5.005 or better.

=head2 rawdeflate $input_filename_or_reference => $output_filename_or_reference [, OPTS]

C<rawdeflate> expects at least two parameters,
C<$input_filename_or_reference> and C<$output_filename_or_reference>.

=head3 The C<$input_filename_or_reference> parameter

The parameter, C<$input_filename_or_reference>, is used to define the
source of the uncompressed data.

It can take one of the following forms:

=over 5

=item A filename

If the <$input_filename_or_reference> parameter is a simple scalar, it is
assumed to be a filename. This file will be opened for reading and the
input data will be read from it.

=item A filehandle

If the C<$input_filename_or_reference> parameter is a filehandle, the input
data will be read from it. The string '-' can be used as an alias for
standard input.

=item A scalar reference

If C<$input_filename_or_reference> is a scalar reference, the input data
will be read from C<$$input_filename_or_reference>.
=item An array reference

If C<$input_filename_or_reference> is an array reference, each element in the array must be a filename.

The input data will be read from each file in turn.

The complete array will be walked to ensure that it only contains valid filenames before any data is compressed.

=item An Input FileGlob string

If C<$input_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<rawdeflate> will assume that it is an I<input fileglob string>. The input is the list of files that match the fileglob.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the C<$input_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head3 The C<$output_filename_or_reference> parameter

The parameter C<$output_filename_or_reference> is used to control the destination of the compressed data. This parameter can take one of these forms.

=over 5

=item A filename

If the C<$output_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the compressed data will be written to it.

=item A filehandle

If the C<$output_filename_or_reference> parameter is a filehandle, the compressed data will be written to it. The string '-' can be used as an alias for standard output.

=item A scalar reference

If C<$output_filename_or_reference> is a scalar reference, the
compressed data will be stored in C<$output_filename_or_reference>.

=item An Array Reference

If C<$output_filename_or_reference> is an array reference, the compressed data will be pushed onto the array.

=item An Output FileGlob

If C<$output_filename_or_reference> is a string that is delimited by the characters "<" and ">", C<rawdeflate> will assume that it is an I<output fileglob string>. The output is the list of files that match the fileglob.

When C<$output_filename_or_reference> is a fileglob string, C<$input_filename_or_reference> must also be a fileglob string. Anything else is an error.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the C<$output_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head2 Notes

When C<$input_filename_or_reference> maps to multiple files/buffers and C<$output_filename_or_reference> is a single file/buffer, the input files/buffers will be stored in C<$output_filename_or_reference> as a concatenated series of compressed data streams.

=head2 Optional Parameters

Unless specified below, the optional parameters for C<rawdeflate>, C<OPTS>, are the same as those used with the OO interface defined in the L<"Constructor Options"> section below.

=over 5

=item C<< AutoClose => 0|1 >>

This option applies to any input or output data streams to C<rawdeflate> that are filehandles.

If C<AutoClose> is specified, and the value is true, it will result in all input and/or output filehandles being closed once C<rawdeflate> has completed.
This parameter defaults to 0.

=item C<< BinModeIn => 0|1 >>

When reading from a file or filehandle, set C<binmode> before reading.

Defaults to 0.

=item C<< Append => 0|1 >>

The behaviour of this option is dependent on the type of output data stream.

=over 5

=item * A Buffer

If C<Append> is enabled, all compressed data will be append to the end of the output buffer. Otherwise the output buffer will be cleared before any compressed data is written to it.

=item * A Filename

If C<Append> is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any compressed data is written to it.

=item * A Filehandle

If C<Append> is enabled, the filehandle will be positioned to the end of the file via a call to C<seek> before any compressed data is written to it. Otherwise the file pointer will not be moved.

=back

When C<Append> is specified, and set to true, it will I<append> all compressed data to the output data stream.

So when the output is a filehandle it will carry out a seek to the eof before writing any compressed data. If the output is a filename, it will be opened for appending. If the output is a buffer, all compressed data will be appended to the existing buffer.

Conversely when C<Append> is not specified, or it is present and is set to false, it will operate as follows.

When the output is a filename, it will truncate the contents of the file
before writing any compressed data. If the output is a filehandle
its position will not be changed. If the output is a buffer, it will be
wiped before any compressed data is output.

Defaults to 0.

=head2 Examples

To read the contents of the file C<file1.txt> and write the compressed
data to the file C<file1.txt.1951>.

use strict;
use warnings;
use IO::Compress::RawDeflate qw(rawdeflate $RawDeflateError);

my $input = "file1.txt";
rawdeflate $input => "$input.1951"
  or die "rawdeflate failed: $RawDeflateError\n";

To read from an existing Perl filehandle, C<$input>, and write the
compressed data to a buffer, C<$buffer>.

use strict;
use warnings;
use IO::Compress::RawDeflate qw(rawdeflate $RawDeflateError);
use IO::File;

my $input = new IO::File "<file1.txt"
  or die "Cannot open 'file1.txt': $!\n";
my $buffer;
rawdeflate $input => \$buffer
  or die "rawdeflate failed: $RawDeflateError\n";

To compress all files in the directory "/my/home" that match "*.txt"
and store the compressed data in the same directory

use strict;
use warnings;
use IO::Compress::RawDeflate qw(rawdeflate $RawDeflateError);

rawdeflate '</my/home/*.txt>' => '/*.1951'
  or die "rawdeflate failed: $RawDeflateError\n";

and if you want to compress each file one at a time, this will do the trick

use strict;
use warnings;
use IO::Compress::RawDeflate qw(rawdeflate $RawDeflateError);

for my $input ( glob "/my/home/*.txt" )
{
    my $output = "$input.1951";
    rawdeflate $input => $output
        or die "Error compressing '$input': $RawDeflateError\n";
}

=head1 OO Interface

=head2 Constructor

The format of the constructor for C<IO::Compress::RawDeflate> is shown below

    my $z = new IO::Compress::RawDeflate $output [,OPTS]
        or die "IO::Compress::RawDeflate failed: $RawDeflateError\n";

It returns an C<IO::Compress::RawDeflate> object on success and undef on failure.
The variable C<$RawDeflateError> will contain an error message on failure.

If you are running Perl 5.005 or better the object, C<$z>, returned from
IO::Compress::RawDeflate can be used exactly like an L<IO::File|IO::File> filehandle.
This means that all normal output file operations can be carried out
with C<$z>.
For example, to write to a compressed file/buffer you can use either of
these forms

    $z->print("hello world\n");
    print $z "hello world\n";

The mandatory parameter C<$output> is used to control the destination
of the compressed data. This parameter can take one of these forms.

=over 5

=item A filename

If the C<$output> parameter is a simple scalar, it is assumed to be a
filename. This file will be opened for writing and the compressed data
will be written to it.

=item A filehandle

If the C<$output> parameter is a filehandle, the compressed data will be
written to it.
The string '-' can be used as an alias for standard output.
=item A scalar reference

If C<$output> is a scalar reference, the compressed data will be stored in C<$output>.

=back

If the C<$output> parameter is any other type, C<IO::Compress::RawDeflate>::new will return undef.

=head2 Constructor Options

C<OPTS> is any combination of the following options:

=over 5

=item C<< AutoClose => 0|1 >>

This option is only valid when the C<$output> parameter is a filehandle. If specified, and the value is true, it will result in the C<$output> being closed once either the C<close> method is called or the C<IO::Compress::RawDeflate> object is destroyed.

This parameter defaults to 0.

=item C<< Append => 0|1 >>

Opens C<$output> in append mode.

The behaviour of this option is dependent on the type of C<$output>.

=over 5

=item * A Buffer

If C<$output> is a buffer and C<Append> is enabled, all compressed data will be append to the end of C<$output>. Otherwise C<$output> will be cleared before any data is written to it.

=item * A Filename

If C<$output> is a filename and C<Append> is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any compressed data is written to it.

=item * A Filehandle
If \$output is a filehandle, the file pointer will be positioned to the end of the file via a call to seek before any compressed data is written to it. Otherwise the file pointer will not be moved.

=back

This parameter defaults to 0.

=item C<< Merge => 0|1 >>

This option is used to compress input data and append it to an existing compressed data stream in \$output. The end result is a single compressed data stream stored in \$output.

It is a fatal error to attempt to use this option when \$output is not an RFC 1951 data stream.

There are a number of other limitations with the C<<Merge>> option:

=over 5

=item 1

This module needs to have been built with zlib 1.2.1 or better to work. A fatal error will be thrown if C<<Merge>> is used with an older version of zlib.

=item 2

If \$output is a file or a filehandle, it must be seekable.

=back

This parameter defaults to 0.

=item -Level

Defines the compression level used by zlib. The value should either be a number between 0 and 9 (0 means no compression and 9 is maximum compression), or one of the symbolic constants defined below.

Z_NO_COMPRESSION
Z_BEST_SPEED
Z_BEST_COMPRESSION
Z_DEFAULT_COMPRESSION

The default is Z_DEFAULT_COMPRESSION.
use IO::Compress::RawDeflate qw(:strategy);
use IO::Compress::RawDeflate qw(:constants);
use IO::Compress::RawDeflate qw(:all);

=item -Strategy

Defines the strategy used to tune the compression. Use one of the symbolic constants defined below.

Z_FILTERED
Z_HUFFMAN_ONLY
Z_RLE
Z_FIXED
Z_DEFAULT_STRATEGY

The default is Z_DEFAULT_STRATEGY.

=item C<< Strict => 0|1 >>

This is a placeholder option.

=back

=head2 Examples

TODO

=head1 Methods

=head2 print

Usage is

$z->print($data)
print $z $data

Compresses and outputs the contents of the C<$data> parameter. This has the same behaviour as the C<print> built-in.

Returns true if successful.

=head2 printf

Usage is

$z->printf($format, $data)
printf $z $format, $data

Compresses and outputs the contents of the C<$data> parameter.

Returns true if successful.

=head2 syswrite

Usage is

$z->syswrite $data
$z->syswrite $data, $length
$z->syswrite $data, $length, $offset

Compresses and outputs the contents of the C<$data> parameter.

Returns the number of uncompressed bytes written, or C<undef> if unsuccessful.

=head2 write

Usage is

$z->write $data
$z->write $data, $length
$z->write $data, $length, $offset

Compresses and outputs the contents of the C<$data> parameter.

Returns the number of uncompressed bytes written, or C<undef> if unsuccessful.

=head2 flush

Usage is

$z->flush;
$z->flush($flush_type);

Flushes any pending compressed data to the output file/buffer.

This method takes an optional parameter, C<$flush_type>, that controls how the flushing will be carried out. By default the C<$flush_type> used is C<Z_FINISH>. Other valid values for C<$flush_type> are C<Z_NO_FLUSH>, C<Z_SYNC_FLUSH>, C<Z_FULL_FLUSH> and C<Z_BLOCK>. It is strongly recommended that you only set the C<$flush_type> parameter if you fully understand the implications of what it does - overuse of C<flush> can seriously degrade the level of compression achieved. See the C<zlib>
documentation for details.

Returns true on success.

=head2 tell

Usage is

$z->tell();
tell $z

Returns the uncompressed file offset.

=head2 eof

Usage is

$z->eof();
eof($z);

Returns true if the C<close> method has been called.

=head2 seek

$z->seek($position, $whence);
seek($z, $position, $whence);

Provides a sub-set of the C<seek> functionality, with the restriction that it is only legal to seek forward in the output file/buffer. It is a fatal error to attempt to seek backward.

Empty parts of the file/buffer will have NULL (0x00) bytes written to them.

The C<$whence> parameter takes one the usual values, namely SEEK_SET, SEEK_CUR or SEEK_END.

Returns 1 on success, 0 on failure.

=head2 binmode

Usage is

$z->binmode
binmode $z;

This is a noop provided for completeness.

=head2 opened
$z->opened()

Returns true if the object currently refers to a opened file/buffer.

=head2 autoflush

my $prev = $z->autoflush()
my $prev = $z->autoflush(EXPR)

If the C<$z> object is associated with a file or a filehandle, this method returns the current autoflush setting for the underlying filehandle. If C<EXPR> is present, and is non-zero, it will enable flushing after every write/print operation.

If C<$z> is associated with a buffer, this method has no effect and always returns C<undef>.

B<Note> that the special variable C<$|> B<cannot> be used to set or retrieve the autoflush setting.

=head2 input_line_number

$z->input_line_number()
$z->input_line_number(EXPR)

This method always returns C<undef> when compressing.

=head2 fileno

$z->fileno()
fileno($z)

If the C<$z> object is associated with a file or a filehandle, C<fileno> will return the underlying file descriptor. Once the C<close> method is called C<fileno> will return C<undef>.

If the C<$z> object is associated with a buffer, this method will return C<undef>.

=head2 close

$z->close();
close $z;

Flushes any pending compressed data and then closes the output file/buffer.

For most versions of Perl this method will be automatically invoked if
the IO::Compress::RawDeflate object is destroyed (either explicitly or by the
variable with the reference to the object going out of scope). The
exceptions are Perl versions 5.005 through 5.00504 and 5.8.0. In
these cases, the C<close> method will be called automatically, but
not until global destruction of all live objects when the program is
terminating.

Therefore, if you want your scripts to be able to run on all versions
of Perl, you should call C<close> explicitly and not rely on automatic
closing.

Returns true on success, otherwise 0.

If the C<AutoClose> option has been enabled when the IO::Compress::RawDeflate
object was created, and the object is associated with a file, the
underlying file will also be closed.

=head2 newStream([OPTS])

Usage is

$z->newStream( [OPTS] )

Closes the current compressed data stream and starts a new one.

OPTS consists of any of the options that are available when creating
the C<$z> object.

See the L</"Constructor Options"> section for more details.

=head2 deflateParams

Usage is

$z->deflateParams

TODO

=head1 Importing

A number of symbolic constants are required by some methods in
C<IO::Compress::RawDeflate>. None are imported by default.

=over 5

=item :all

Imports C<rawdeflate>, C<$RawDeflateError> and all symbolic
constants that can be used by C<IO::Compress::RawDeflate>. Same as doing this

use IO::Compress::RawDeflate qw(rawdeflate $RawDeflateError :constants) ;

=item :constants

Import all symbolic constants. Same as doing this

use IO::Compress::RawDeflate qw(:flush :level :strategy) ;

=item :flush

These symbolic constants are used by the C<flush> method.

Z_NO_FLUSH
Z_PARTIAL_FLUSH
Z_SYNC_FLUSH
Z_FULL_FLUSH
Z_FINISH
Z_BLOCK

=item :level

These symbolic constants are used by the C<Level> option in the constructor.

Z_NO_COMPRESSION
Z_BEST_SPEED
Z_BEST_COMPRESSION
Z_DEFAULT_COMPRESSION

=item :strategy

These symbolic constants are used by the C<Strategy> option in the constructor.

Z_FILTERED
Z_HUFFMAN_ONLY
Z_RLE
Z_FIXED
Z_DEFAULT_STRATEGY

=back

=head1 EXAMPLES

=head2 Apache::GZip Revisited

See L<IO::Compress::FAQ|IO::Compress::FAQ/"Apache::GZip Revisited">
=head2 Working with Net::FTP

See L<IO::Compress::FAQ|IO::Compress::FAQ/"Compressed files and Net::FTP">

=head1 SEE ALSO

L<Compress::Zlib>, L<IO::Compress::Gzip>, L<IO::Uncompress::Gunzip>, L<IO::Compress::Deflate>,
L<IO::Uncompress::Inflate>, L<IO::Uncompress::RawInflate>, L<IO::Compress::Bzip2>,
L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>, L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>,
L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>, L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>,
L<IO::Uncompress::UnLzf>, L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>

L<IO::Compress::FAQ|IO::Compress::FAQ>

L<File::GlobMapper> File::GlobMapper, L<Archive::Zip> Archive::Zip,
L<Archive::Tar> Archive::Tar,
L<IO::Zlib> IO::Zlib

For RFC 1950, 1951 and 1952 see
L<http://www.faqs.org/rfcs/rfc1950.html>,
L<http://www.faqs.org/rfcs/rfc1951.html> and

The I<zlib> compression library was written by Jean-loup Gailly
C<gzip@prep.ai.mit.edu> and Mark Adler C<madler@alumni.caltech.edu>.

The primary site for the I<zlib> compression library is

The primary site for gzip is L<http://www.gzip.org>.

=head1 AUTHOR

This module was written by Paul Marquess, C<pmqs@cpan.org>.

=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-
No license file was found, but licenses were detected in source scan.

=head1 NAME

IO::Compress::Gzip - Write RFC 1952 files/buffers

=head1 SYNOPSIS

use IO::Compress::Gzip qw(gzip $GzipError) ;

my $status = gzip $input => $output [,OPTS]
  or die "gzip failed: $GzipError\n";

my $z = new IO::Compress::Gzip $output [,OPTS]
  or die "gzip failed: $GzipError\n";

$z->print($string);
$z->printf($format, $string);
$z->write($string);
$z->syswrite($string [, $length, $offset]);
$z->flush();
$z->tell();
$z->eof();
$z->seek($position, $whence);
$z->binmode();
$z->fileno();
$z->opened();
$z->autoflush();
$z->input_line_number();
$z->newStream( [OPTS] );

$z->deflateParams();

$z->close();

$GzipError ;

# IO::File mode

print $z $string;
printf $z $format, $string;
tell $z
eof $z
seek $z, $position, $whence
binmode $z
fileno $z
=head1 DESCRIPTION

This module provides a Perl interface that allows writing compressed data to files or buffer as defined in RFC 1952.

All the gzip headers defined in RFC 1952 can be created using this module.

For reading RFC 1952 files/buffers, see the companion module L<IO::Uncompress::Gunzip|IO::Uncompress::Gunzip>.

=head1 Functional Interface

A top-level function, C<gzip>, is provided to carry out "one-shot" compression between buffers and/or files. For finer control over the compression process, see the L<"OO Interface"> section.

use IO::Compress::Gzip qw(gzip $GzipError) ;

gzip $input_filename_or_reference => $output_filename_or_reference [,OPTS]
or die "gzip failed: $GzipError\n";

The functional interface needs Perl5.005 or better.

=head2 gzip $input_filename_or_reference => $output_filename_or_reference [, OPTS]

C<gzip> expects at least two parameters,
C<$input_filename_or_reference> and C<$output_filename_or_reference>.

=head3 The C<$input_filename_or_reference> parameter

The parameter, C<$input_filename_or_reference>, is used to define the source of the uncompressed data.

It can take one of the following forms:

=over 5

=item A filename

If the C<$input_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for reading and the input data will be read from it.
=item A filehandle

If the C<$input_filename_or_reference> parameter is a filehandle, the input data will be read from it. The string '-' can be used as an alias for standard input.

=item A scalar reference

If C<$input_filename_or_reference> is a scalar reference, the input data will be read from C<$$input_filename_or_reference>.

=item An array reference

If C<$input_filename_or_reference> is an array reference, each element in the array must be a filename.

The input data will be read from each file in turn.

The complete array will be walked to ensure that it only contains valid filenames before any data is compressed.

=item An Input FileGlob string

If C<$input_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<gzip> will assume that it is an I<input fileglob string>. The input is the list of files that match the fileglob.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the C<$input_filename_or_reference> parameter is any other type, C<undef> will be returned.

In addition, if C<$input_filename_or_reference> is a simple filename, the default values for the C<Name> and C<Time> options will be sourced from that file.

If you do not want to use these defaults they can be overridden by explicitly setting the C<Name> and C<Time> options or by setting the C<Minimal> parameter.

=head3 The C<$output_filename_or_reference> parameter

The parameter C<$output_filename_or_reference> is used to control the destination of the compressed data. This parameter can take one of these forms.
over 5

=item A filename

If the C<$output_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the compressed data will be written to it.

=item A filehandle

If the C<$output_filename_or_reference> parameter is a filehandle, the compressed data will be written to it. The string '\-' can be used as an alias for standard output.

=item A scalar reference

If C<$output_filename_or_reference> is a scalar reference, the compressed data will be stored in C<$output_filename_or_reference>.

=item An Array Reference

If C<$output_filename_or_reference> is an array reference, the compressed data will be pushed onto the array.

=item An Output FileGlob

If C<$output_filename_or_reference> is a string that is delimited by the characters "<" and ">", C<gzip> will assume that it is an I<output fileglob string>. The output is the list of files that match the fileglob.

When C<$output_filename_or_reference> is a fileglob string, C<$input_filename_or_reference> must also be a fileglob string. Anything else is an error.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the C<$output_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head2 Notes

When C<$input_filename_or_reference> maps to multiple files/buffers and C<$output_filename_or_reference> is a single file/buffer the input files/buffers will be stored
in `$output_filename_or_reference` as a concatenated series of compressed data streams.

=head2 Optional Parameters

Unless specified below, the optional parameters for `gzip`, `OPTS`, are the same as those used with the OO interface defined in the L</"Constructor Options"> section below.

=over 5
=item C<< AutoClose => 0|1 >>

This option applies to any input or output data streams to `gzip` that are filehandles.

If `AutoClose` is specified, and the value is true, it will result in all input and/or output filehandles being closed once `gzip` has completed.

This parameter defaults to 0.

=item C<< BinModeIn => 0|1 >>

When reading from a file or filehandle, set `binmode` before reading.

Defaults to 0.

=item C<< Append => 0|1 >>

The behaviour of this option is dependent on the type of output data stream.

=over 5
=item * A Buffer

If `Append` is enabled, all compressed data will be append to the end of the output buffer. Otherwise the output buffer will be cleared before any compressed data is written to it.

=item * A Filename

If `Append` is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any compressed data is written to it.

=item * A Filehandle
If C<Append> is enabled, the filehandle will be positioned to the end of the file via a call to C<seek> before any compressed data is written to it. Otherwise the file pointer will not be moved.

When C<Append> is specified, and set to true, it will I<append> all compressed data to the output data stream.

So when the output is a filehandle it will carry out a seek to the eof before writing any compressed data. If the output is a filename, it will be opened for appending. If the output is a buffer, all compressed data will be appended to the existing buffer.

Conversely when C<Append> is not specified, or it is present and is set to false, it will operate as follows.

When the output is a filename, it will truncate the contents of the file before writing any compressed data. If the output is a filehandle its position will not be changed. If the output is a buffer, it will be wiped before any compressed data is output.

Defaults to 0.

=head2 Examples

To read the contents of the file C<file1.txt> and write the compressed data to the file C<file1.txt.gz>.

```perl
use strict;
use warnings;
use IO::Compress::Gzip qw(gzip $GzipError);

my $input = "file1.txt";
gzip $input => "$input.gz"
  or die "gzip failed: $GzipError\n";
```

To read from an existing Perl filehandle, C<$input>, and write the compressed data to a buffer, C<$buffer>.

```perl
use strict;
use warnings;
use IO::Compress::Gzip qw(gzip $GzipError);
use IO::File;

my $input = new IO::File "<file1.txt"
```
or die "Cannot open 'file1.txt': $!
";
my $buffer ;
gzip $input => \$buffer
  or die "gzip failed: $GzipError\n";

To compress all files in the directory "/my/home" that match "*.txt"
and store the compressed data in the same directory

use strict ;
use warnings ;
use IO::Compress::Gzip qw(gzip $GzipError) ;

gzip './my/home/*.txt' => '/*.gz'
  or die "gzip failed: $GzipError\n";

and if you want to compress each file one at a time, this will do the trick

use strict ;
use warnings ;
use IO::Compress::Gzip qw(gzip $GzipError) ;

for my $input ( glob '/my/home/*.txt' )
{
  my $output = "$input.gz" ;
gzip $input => $output
    or die "Error compressing '$input': $GzipError\n";
}

=head1 OO Interface

=head2 Constructor

The format of the constructor for C<IO::Compress::Gzip> is shown below

my $z = new IO::Compress::Gzip $output [,OPTS]
  or die "IO::Compress::Gzip failed: $GzipError\n";

It returns an C<IO::Compress::Gzip> object on success and undef on failure.
The variable C<$GzipError> will contain an error message on failure.

If you are running Perl 5.005 or better the object, C<$z>, returned from
IO::Compress::Gzip can be used exactly like an L<IO::File|IO::File> filehandle.
This means that all normal output file operations can be carried out
with C<$z>.
For example, to write to a compressed file/buffer you can use either of
these forms

$z->print("hello world\n");
print $z "hello world\n";

The mandatory parameter \$output is used to control the destination of the compressed data. This parameter can take one of these forms.

=over 5
=item A filename

If the \$output parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the compressed data will be written to it.

=item A filehandle

If the \$output parameter is a filehandle, the compressed data will be written to it.
The string '-' can be used as an alias for standard output.

=item A scalar reference

If \$output is a scalar reference, the compressed data will be stored in \$\$output.
=back

If the \$output parameter is any other type, \texttt{IO::Compress::Gzip}::new will return undef.

=head2 Constructor Options

\texttt{OPTS} is any combination of the following options:

=over 5
=item C<< AutoClose => 0|1 >>

This option is only valid when the \$output parameter is a filehandle. If specified, and the value is true, it will result in the \$output being closed once either the close method is called or the \texttt{IO::Compress::Gzip} object is destroyed.

This parameter defaults to 0.

=item C<< Append => 0|1 >>

Opens \$output in append mode.
The behaviour of this option is dependent on the type of $output.

=over 5

=item * A Buffer

If $output is a buffer and Append is enabled, all compressed data will be append to the end of $output. Otherwise $output will be cleared before any data is written to it.

=item * A Filename

If $output is a filename and Append is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any compressed data is written to it.

=item * A Filehandle

If $output is a filehandle, the file pointer will be positioned to the end of the file via a call to seek before any compressed data is written to it. Otherwise the file pointer will not be moved.

=back

This parameter defaults to 0.

=item C<< Merge => 0|1 >>

This option is used to compress input data and append it to an existing compressed data stream in $output. The end result is a single compressed data stream stored in $output.

It is a fatal error to attempt to use this option when $output is not an RFC 1952 data stream.

There are a number of other limitations with the C<Merge> option:

=over 5

=item 1

This module needs to have been built with zlib 1.2.1 or better to work. A fatal error will be thrown if C<Merge> is used with an older version of zlib.

=item 2

If $output is a file or a filehandle, it must be seekable.
This parameter defaults to 0.

Defines the compression level used by zlib. The value should either be a number between 0 and 9 (0 means no compression and 9 is maximum compression), or one of the symbolic constants defined below.

    Z_NO_COMPRESSION
    Z_BEST_SPEED
    Z_BEST_COMPRESSION
    Z_DEFAULT_COMPRESSION

The default is Z_DEFAULT_COMPRESSION.

Note, these constants are not imported by C<IO::Compress::Gzip> by default.

    use IO::Compress::Gzip qw(:strategy);
    use IO::Compress::Gzip qw(:constants);
    use IO::Compress::Gzip qw(:all);

Defines the strategy used to tune the compression. Use one of the symbolic constants defined below.

    Z_FILTERED
    Z_HUFFMAN_ONLY
    Z_RLE
    Z_FIXED
    Z_DEFAULT_STRATEGY

The default is Z_DEFAULT_STRATEGY.

If specified, this option will force the creation of the smallest possible compliant gzip header (which is exactly 10 bytes long) as defined in RFC 1952.

See the section titled "Compliance" in RFC 1952 for a definition of the values used for the fields in the gzip header.

All other parameters that control the content of the gzip header will be ignored if this parameter is set to 1.
This parameter defaults to 0.

=item C<< Comment => $comment >>

Stores the contents of C<$comment> in the COMMENT field in the gzip header.
By default, no comment field is written to the gzip file.

If the C<-Strict> option is enabled, the comment can only consist of ISO 8859-1 characters plus line feed.

If the C<-Strict> option is disabled, the comment field can contain any character except NULL. If any null characters are present, the field will be truncated at the first NULL.

=item C<< Name => $string >>

Stores the contents of C<$string> in the gzip NAME header field. If C<Name> is not specified, no gzip NAME field will be created.

If the C<-Strict> option is enabled, C<$string> can only consist of ISO 8859-1 characters.

If C<-Strict> is disabled, then C<$string> can contain any character except NULL. If any null characters are present, the field will be truncated at the first NULL.

=item C<< Time => $number >>

Sets the MTIME field in the gzip header to $number.

This field defaults to the time the C<IO::Compress::Gzip> object was created if this option is not specified.

=item C<< TextFlag => 0|1 >>

This parameter controls the setting of the FLG.FTEXT bit in the gzip header. It is used to signal that the data stored in the gzip file/buffer is probably text.

The default is 0.

=item C<< HeaderCRC => 0|1 >>

When true this parameter will set the FLG.FHCRC bit to 1 in the gzip header and set the CRC16 header field to the CRC of the complete gzip header except the CRC16 field itself.
B<Note> that gzip files created with the C<HeaderCRC> flag set to 1 cannot be read by most, if not all, of the standard gunzip utilities, most notably gzip version 1.2.4. You should therefore avoid using this option if you want to maximize the portability of your gzip files.

This parameter defaults to 0.

=item C<< OS_Code => $value >>

Stores C<$value> in the gzip OS header field. A number between 0 and 255 is valid.

If not specified, this parameter defaults to the OS code of the Operating System this module was built on. The value 3 is used as a catch-all for all Unix variants and unknown Operating Systems.

=item C<< ExtraField => $data >>

This parameter allows additional metadata to be stored in the ExtraField in the gzip header. An RFC 1952 compliant ExtraField consists of zero or more subfields. Each subfield consists of a two byte header followed by the subfield data.

The list of subfields can be supplied in any of the following formats

-ExtraField => [Sid1, $data1,
                 Sid2, $data2,
                 ...
               ]
-ExtraField => [ [Sid1 => $data1],
                 [Sid2 => $data2],
                 ...
               ]
-ExtraField => { Sid1 => $data1,
                 Sid2 => $data2,
                 ...
               }

Where C<Sid1>, C<Sid2> are two byte subfield ID’s. The second byte of the ID cannot be 0, unless the C<Strict> option has been disabled.

If you use the hash syntax, you have no control over the order in which the ExtraSubFields are stored, plus you cannot have SubFields with duplicate ID.

Alternatively the list of subfields can be supplied as a scalar, thus
If you use the raw format, and the C<Strict> option is enabled, C<IO::Compress::Gzip> will check that C<$rawdata> consists of zero or more conformant sub-fields. When C<Strict> is disabled, C<$rawdata> can consist of any arbitrary byte stream.

The maximum size of the Extra Field 65535 bytes.

=item C<< ExtraFlags => $value >>

Sets the XFL byte in the gzip header to C<$value>.

If this option is not present, the value stored in XFL field will be determined by the setting of the C<Level> option.

If C<< Level => Z_BEST_SPEED >> has been specified then XFL is set to 2.
If C<< Level => Z_BEST_COMPRESSION >> has been specified then XFL is set to 4.
Otherwise XFL is set to 0.

=item C<< Strict => 0|1 >>

C<Strict> will optionally police the values supplied with other options to ensure they are compliant with RFC1952.

This option is enabled by default.

If C<Strict> is enabled the following behaviour will be policed:

=over 5

=item *

The value supplied with the C<Name> option can only contain ISO 8859-1 characters.

=item *

The value supplied with the C<Comment> option can only contain ISO 8859-1 characters plus line-feed.

=item *

The values supplied with the C<-Name> and C<-Comment> options cannot contain multiple embedded nulls.
If an C<ExtraField> option is specified and it is a simple scalar, it must conform to the sub-field structure as defined in RFC 1952.

If an C<ExtraField> option is specified the second byte of the ID will be checked in each subfield to ensure that it does not contain the reserved value 0x00.

When C<Strict> is disabled the following behaviour will be policed:

The value supplied with C<-Name> option can contain any character except NULL.

The value supplied with C<-Comment> option can contain any character except NULL.

The values supplied with the C<-Name> and C<-Comment> options can contain multiple embedded nulls. The string written to the gzip header will consist of the characters up to, but not including, the first embedded NULL.

If an C<ExtraField> option is specified and it is a simple scalar, the structure will not be checked. The only error is if the length is too big.

The ID header in an C<ExtraField> sub-field can consist of any two bytes.

Examples

TODO
=head1 Methods

=head2 print

Usage is

$z->print($data)
print $z $data

Compresses and outputs the contents of the C<$data> parameter. This has the same behaviour as the C<print> built-in.

Returns true if successful.

=head2 printf

Usage is

$z->printf($format, $data)
printf $z $format, $data

Compresses and outputs the contents of the C<$data> parameter.

Returns true if successful.

=head2 syswrite

Usage is

$z->syswrite $data
$z->syswrite $data, $length
$z->syswrite $data, $length, $offset

Compresses and outputs the contents of the C<$data> parameter.

Returns the number of uncompressed bytes written, or C<undef> if unsuccessful.

=head2 write

Usage is

$z->write $data
$z->write $data, $length
$z->write $data, $length, $offset

Compresses and outputs the contents of the C<$data> parameter.
Returns the number of uncompressed bytes written, or $undef$ if unsuccessful.

=head2 flush

Usage is

$z->flush;
$z->flush($flush_type);

Flushes any pending compressed data to the output file/buffer.

This method takes an optional parameter, $flush_type$, that controls how the flushing will be carried out. By default the $flush_type$ used is $Z_FINISH$. Other valid values for $flush_type$ are $Z_NO_FLUSH$, $Z_SYNC_FLUSH$, $Z_FULL_FLUSH$ and $Z_BLOCK$. It is strongly recommended that you only set the $flush_type$ parameter if you fully understand the implications of what it does - overuse of $flush$ can seriously degrade the level of compression achieved. See the $zlib$ documentation for details.

Returns true on success.

=head2 tell

Usage is

$z->tell();

tell $z

Returns the uncompressed file offset.

=head2 eof

Usage is

$z->eof();
eof($z);

Returns true if the $close$ method has been called.

=head2 seek

$z->seek($position, $whence);
seek($z, $position, $whence);

Provides a sub-set of the $seek$ functionality, with the restriction
that it is only legal to seek forward in the output file/buffer.
It is a fatal error to attempt to seek backward.

Empty parts of the file/buffer will have NULL (0x00) bytes written to them.

The C<$whence> parameter takes one the usual values, namely SEEK_SET, SEEK_CUR or SEEK_END.

Returns 1 on success, 0 on failure.

=head2 binmode

Usage is

    $z->binmode
    binmode $z ;

This is a noop provided for completeness.

=head2 opened

    $z->opened()

Returns true if the object currently refers to a opened file/buffer.

=head2 autoflush

    my $prev = $z->autoflush()
    my $prev = $z->autoflush(EXPR)

If the C<$z> object is associated with a file or a filehandle, this method returns the current autoflush setting for the underlying filehandle. If C<EXPR> is present, and is non-zero, it will enable flushing after every write/print operation.

If C<$z> is associated with a buffer, this method has no effect and always returns C<undef>.

B<Note> that the special variable C<$|> B<cannot> be used to set or retrieve the autoflush setting.

=head2 input_line_number

    $z->input_line_number()
    $z->input_line_number(EXPR)

This method always returns C<undef> when compressing.
=head2 fileno

$z->fileno()
fileno($z)

If the C<$z> object is associated with a file or a filehandle, C<fileno> will return the underlying file descriptor. Once the C<close> method is called C<fileno> will return C<undef>.

If the C<$z> object is associated with a buffer, this method will return C<undef>.

=head2 close

$z->close();
close $z;

Flushes any pending compressed data and then closes the output file/buffer.

For most versions of Perl this method will be automatically invoked if the IO::Compress::Gzip object is destroyed (either explicitly or by the variable with the reference to the object going out of scope). The exceptions are Perl versions 5.005 through 5.00504 and 5.8.0. In these cases, the C<close> method will be called automatically, but not until global destruction of all live objects when the program is terminating.

Therefore, if you want your scripts to be able to run on all versions of Perl, you should call C<close> explicitly and not rely on automatic closing.

Returns true on success, otherwise 0.

If the C<AutoClose> option has been enabled when the IO::Compress::Gzip object was created, and the object is associated with a file, the underlying file will also be closed.

=head2 newStream([OPTS])

Usage is

$z->newStream( [OPTS] )

Closes the current compressed data stream and starts a new one.

OPTS consists of any of the options that are available when creating the C<$z> object.
See the L<"Constructor Options"> section for more details.

=head2 deflateParams

Usage is

$z->deflateParams

TODO

=head1 Importing

A number of symbolic constants are required by some methods in C<IO::Compress::Gzip>. None are imported by default.

=over 5

=item :all

Imports C<gzip>, C<$GzipError> and all symbolic constants that can be used by C<IO::Compress::Gzip>. Same as doing this

    use IO::Compress::Gzip qw(gzip $GzipError :constants) ;

=item :constants

Import all symbolic constants. Same as doing this

    use IO::Compress::Gzip qw(:flush :level :strategy) ;

=item :flush

These symbolic constants are used by the C<flush> method.

    Z_NO_FLUSH
    Z_PARTIAL_FLUSH
    Z_SYNC_FLUSH
    Z_FULL_FLUSH
    Z_FINISH
    Z_BLOCK

=item :level

These symbolic constants are used by the C<Level> option in the constructor.

    Z_NO_COMPRESSION
    Z_BEST_SPEED
    Z_BEST_COMPRESSION
Z_DEFAULT_COMPRESSION

=item :strategy

These symbolic constants are used by the C<Strategy> option in the constructor.

Z_FILTERED
Z_HUFFMAN_ONLY
Z_RLE
Z_FIXED
Z_DEFAULT_STRATEGY

=head1 EXAMPLES

=head2 Apache::GZip Revisited

See L<IO::Compress::FAQ|IO::Compress::FAQ/"Apache::GZip Revisited">

=head2 Working with Net::FTP

See L<IO::Compress::FAQ|IO::Compress::FAQ/"Compressed files and Net::FTP">

=head1 SEE ALSO

L<Compress::Zlib>, L<IO::Uncompress::Gunzip>, L<IO::Compress::Deflate>, L<IO::Uncompress::Inflate>,
L<IO::Compress::RawDeflate>, L<IO::Uncompress::RawInflate>, L<IO::Compress::Bzip2>,
L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>, L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>,
L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>, L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>,
L<IO::Uncompress::UnLzf>, L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>

L<IO::Compress::FAQ|IO::Compress::FAQ>

L<File::GlobMapper|File::GlobMapper>, L<Archive::Zip|Archive::Zip>,
L<Archive::Tar|Archive::Tar>,
L<IO::Zlib|IO::Zlib>

For RFC 1950, 1951 and 1952 see
L<http://www.faqs.org/rfcs/rfc1950.html>,
L<http://www.faqs.org/rfcs/rfc1951.html> and

The I<zlib> compression library was written by Jean-loup Gailly
C<gzip@prep.ai.mit.edu> and Mark Adler C<madler@alumni.caltech.edu>.

The primary site for the I<zlib> compression library is
The primary site for gzip is L<http://www.gzip.org>.

=head1 AUTHOR

This module was written by Paul Marquess, C<pmqs@cpan.org>.

=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-2.081/lib/IO/Compress/Gzip.pm

No license file was found, but licenses were detected in source scan.

=back

Test::Simple will start by printing number of tests run in the form "1..M" (so "1..5" means you're going to run 5 tests). This strange format lets Test::Harness know how many tests you plan on running in case something goes horribly wrong.

If all your tests passed, Test::Simple will exit with zero (which is normal). If anything failed it will exit with how many failed. If you run less (or more) tests than you planned, the missing (or extras) will be considered failures. If no tests were ever run Test::Simple will throw a warning and exit with 255. If the test died, even after having successfully completed all its tests, it will still be considered a failure and will exit with 255.

So the exit codes are...

<table>
<thead>
<tr>
<th>Exit Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>all tests successful</td>
</tr>
<tr>
<td>255</td>
<td>test died</td>
</tr>
<tr>
<td>any other number</td>
<td>how many failed (including missing or extras)</td>
</tr>
</tbody>
</table>

If you fail more than 254 tests, it will be reported as 254.

This module is by no means trying to be a complete testing system.
It's just to get you started. Once you're off the ground its recommended you look at L<Test::More>.

=head1 EXAMPLE

Here's an example of a simple .t file for the fictional Film module.

use Test::Simple tests => 5;

use Film; # What you're testing.

my $btaste = Film->new({ Title => 'Bad Taste',
    Director => 'Peter Jackson',
    Rating => 'R',
    NumExplodingSheep => 1
});

ok( defined($btaste) && ref $btaste eq 'Film', 'new() works' );

ok( $btaste->Title eq 'Bad Taste', 'Title() get' );
ok( $btaste->Director eq 'Peter Jackson', 'Director() get' );
ok( $btaste->Rating eq 'R', 'Rating() get' );
ok( $btaste->NumExplodingSheep == 1, 'NumExplodingSheep() get' );

It will produce output like this:

1..5
  ok 1 - new() works
  ok 2 - Title() get
  ok 3 - Director() get
  not ok 4 - Rating() get
  #   Failed test (t/film.t at line 14)
  ok 5 - NumExplodingSheep() get
  # Looks like you failed 1 tests of 5

Indicating the Film::Rating() method is broken.

=head1 CAVEATS

Test::Simple will only report a maximum of 254 failures in its exit code. If this is a problem, you probably have a huge test script. Split it into multiple files. (Otherwise blame the Unix folks for using an unsigned short integer as the exit status).

Because VMS's exit codes are much, much different than the rest of the universe, and perl does horrible mangling to them that gets in my way, it works like this on VMS.
0  SS$_NORMAL     all tests successful
4  SS$_ABORT      something went wrong

Unfortunately, I can't differentiate any further.

=head1 NOTES

Test::Simple is <b>explicitly</b> tested all the way back to perl 5.004.

Test::Simple is thread-safe in perl 5.8.0 and up.

=head1 HISTORY

This module was conceived while talking with Tony Bowden in his kitchen one night about the problems I was having writing some really complicated feature into the new Testing module. He observed that the main problem is not dealing with these edge cases but that people hate to write tests <b>at all</b>. What was needed was a dead simple module that took all the hard work out of testing and was really, really easy to learn. Paul Johnson simultaneously had this idea (unfortunately, he wasn't in Tony's kitchen). This is it.

=head1 SEE ALSO

=over 4

=item L<Test::More>

More testing functions! Once you outgrow Test::Simple, look at Test::More. Test::Simple is 100% forward compatible with Test::More (i.e. you can just use Test::More instead of Test::Simple in your programs and things will still work).

=item L<Test>

The original Perl testing module.

=item L<Test::Unit>

Elaborate unit testing.

=item L<Test::Inline>, L<SelfTest>

Embed tests in your code!
Interprets the output of your test program.

AUTHORS

Idea by Tony Bowden and Paul Johnson, code by Michael G Schwern E<lt>schwern@pobox.comE<gt>, wardrobe by Calvin Klein.

COPYRIGHT

Copyright 2001, 2002, 2004 by Michael G Schwern E<lt>schwern@pobox.comE<gt>. This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself. See F<http://www.perl.com/perl/misc/Artistic.html>.
$char = $z->ungetc()
$char = $z->opened()
$data = $z->trailingData()
$status = $z->nextStream()
$data = $z->getHeaderInfo()
$z->tell()
$z->seek($position, $whence)
$z->binmode()
$z->fileno()
$z->eof()
$z->close()

$AnyUncompressError ;

# IO::File mode

<$z>
read($z, $buffer);
read($z, $buffer, $length);
read($z, $buffer, $length, $offset);
tell($z)
seek($z, $position, $whence)
binmode($z)
fileno($z)
eof($z)
close($z)

=head1 DESCRIPTION

This module provides a Perl interface that allows the reading of files/buffers that have been compressed with a variety of compression libraries.

The formats supported are:

=over 5
=item RFC 1950
=item RFC 1951 (optionally)
=item gzip (RFC 1952)
=item zip
=item bzip2
The module will auto-detect which, if any, of the supported compression formats is being used.

=head1 Functional Interface

A top-level function, C<anyuncompress>, is provided to carry out "one-shot" uncompression between buffers and/or files. For finer control over the uncompression process, see the L</"OO Interface"> section.

use IO::Uncompress::AnyUncompress qw(anyuncompress $AnyUncompressError) ;

anyuncompress $input_filename_or_reference => $output_filename_or_reference [,OPTS]
    or die "anyuncompress failed: $AnyUncompressError\n"

The functional interface needs Perl5.005 or better.

=head2 anyuncompress $input_filename_or_reference => $output_filename_or_reference [, OPTS]

C<anyuncompress> expects at least two parameters, C<$input_filename_or_reference> and C<$output_filename_or_reference>.

=head3 The C<$input_filename_or_reference> parameter

The parameter, C<$input_filename_or_reference>, is used to define the source of the compressed data.

It can take one of the following forms:

=over 5

=item A filename

If the C<$input_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for reading and the input data will be read from it.

=item A filehandle
If the C<$input_filename_or_reference> parameter is a filehandle, the input data will be read from it. The string '-' can be used as an alias for standard input.

=item A scalar reference

If C<$input_filename_or_reference> is a scalar reference, the input data will be read from C<$$input_filename_or_reference>.

=item An array reference

If C<$input_filename_or_reference> is an array reference, each element in the array must be a filename.

The input data will be read from each file in turn.

The complete array will be walked to ensure that it only contains valid filenames before any data is uncompressed.

=item An Input FileGlob string

If C<$input_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<anyuncompress> will assume that it is an I<input fileglob string>. The input is the list of files that match the fileglob.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the C<$input_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head3 The C<$output_filename_or_reference> parameter

The parameter C<$output_filename_or_reference> is used to control the destination of the uncompressed data. This parameter can take one of these forms.

=over 5

=item A filename

If the C<$output_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the uncompressed data will be written to it.
=item A filehandle

If the C<$output_filename_or_reference> parameter is a filehandle, the uncompressed data will be written to it. The string '-' can be used as an alias for standard output.

=item A scalar reference

If C<$output_filename_or_reference> is a scalar reference, the uncompressed data will be stored in C<$$output_filename_or_reference>.

=item An Array Reference

If C<$output_filename_or_reference> is an array reference, the uncompressed data will be pushed onto the array.

=item An Output FileGlob

If C<$output_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<anyuncompress> will assume that it is an I<output fileglob string>. The output is the list of files that match the fileglob.

When C<$output_filename_or_reference> is a fileglob string, C<$input_filename_or_reference> must also be a fileglob string. Anything else is an error.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the C<$output_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head2 Notes

When C<$input_filename_or_reference> maps to multiple compressed files/buffers and C<$output_filename_or_reference> is a single file/buffer, after uncompression C<$output_filename_or_reference> will contain a concatenation of all the uncompressed data from each of the input files/buffers.

=head2 Optional Parameters

Unless specified below, the optional parameters for C<anyuncompress>, C<OPTS>, are the same as those used with the OO interface defined in the L</"Constructor Options"> section below.
This option applies to any input or output data streams to C<anyuncompress> that are filehandles.

If C<AutoClose> is specified, and the value is true, it will result in all input and/or output filehandles being closed once C<anyuncompress> has completed.

This parameter defaults to 0.

When writing to a file or filehandle, set C<binmode> before writing to the file.

Defaults to 0.

The behaviour of this option is dependent on the type of output data stream.

If C<Append> is enabled, all uncompressed data will be append to the end of the output buffer. Otherwise the output buffer will be cleared before any uncompressed data is written to it.

If C<Append> is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any uncompressed data is written to it.

If C<Append> is enabled, the filehandle will be positioned to the end of the file via a call to C<seek> before any uncompressed data is written to it. Otherwise the file pointer will not be moved.

When C<Append> is specified, and set to true, it will I<append> all uncompressed
data to the output data stream.

So when the output is a filehandle it will carry out a seek to the eof
before writing any uncompressed data. If the output is a filename, it will be opened for
appending. If the output is a buffer, all uncompressed data will be
appended to the existing buffer.

Conversely when C<Append> is not specified, or it is present and is set to
false, it will operate as follows.

When the output is a filename, it will truncate the contents of the file
before writing any uncompressed data. If the output is a filehandle
its position will not be changed. If the output is a buffer, it will be
wiped before any uncompressed data is output.

Defaults to 0.

=item C<< MultiStream => 0|1 >>

If the input file/buffer contains multiple compressed data streams, this
option will uncompress the whole lot as a single data stream.

Defaults to 0.

=item C<< TrailingData => $scalar >>

Returns the data, if any, that is present immediately after the compressed
data stream once uncompression is complete.

This option can be used when there is useful information immediately
following the compressed data stream, and you don't know the length of the
compressed data stream.

If the input is a buffer, C<trailingData> will return everything from the
end of the compressed data stream to the end of the buffer.

If the input is a filehandle, C<trailingData> will return the data that is
left in the filehandle input buffer once the end of the compressed data
stream has been reached. You can then use the filehandle to read the rest
of the input file.

Don't bother using C<trailingData> if the input is a filename.

If you know the length of the compressed data stream before you start
uncompressing, you can avoid having to use C<trailingData> by setting the
C<InputLength> option.

=back
Examples

To read the contents of the file `<file1.txt.Compressed>` and write the uncompressed data to the file `<file1.txt>`.

```perl
use strict;
use warnings;
use IO::Uncompress::AnyUncompress qw(anyuncompress $AnyUncompressError);

my $input = "file1.txt.Compressed";
my $output = "file1.txt";
anyuncompress $input => $output
    or die "anyuncompress failed: $AnyUncompressError\n";
```

To read from an existing Perl filehandle, `$input`, and write the uncompressed data to a buffer, `$buffer`.

```perl
use strict;
use warnings;
use IO::Uncompress::AnyUncompress qw(anyuncompress $AnyUncompressError);
use IO::File;

my $input = new IO::File '<file1.txt.Compressed'
    or die "Cannot open 'file1.txt.Compressed': $!";
my $buffer;
anyuncompress $input => $buffer
    or die "anyuncompress failed: $AnyUncompressError\n";
```

To uncompress all files in the directory `/my/home` that match `*.txt.Compressed` and store the compressed data in the same directory

```perl
use strict;
use warnings;
use IO::Uncompress::AnyUncompress qw(anyuncompress $AnyUncompressError);

anyuncompress '<my/home/*.txt.Compressed>' => '<my/home/#1.txt>'
    or die "anyuncompress failed: $AnyUncompressError\n";
```

and if you want to compress each file one at a time, this will do the trick

```perl
use strict;
use warnings;
use IO::Uncompress::AnyUncompress qw(anyuncompress $AnyUncompressError);

for my $input ( glob '/my/home/*.txt.Compressed' )
{
    my $output = $input;
```
$output =~ s/.Compressed// ;
anyuncompress $input => $output
    or die "Error compressing '$input': $AnyUncompressError\n";
}

=head1 OO Interface
=head2 Constructor

The format of the constructor for IO::Uncompress::AnyUncompress is shown below

my $z = new IO::Uncompress::AnyUncompress $input [OPTS]
    or die "IO::Uncompress::AnyUncompress failed: $AnyUncompressError\n";

Returns an C<IO::Uncompress::AnyUncompress> object on success and undef on failure.
The variable C<$AnyUncompressError> will contain an error message on failure.

If you are running Perl 5.005 or better the object, C<$z>, returned from
IO::Uncompress::AnyUncompress can be used exactly like an L<IO::File|IO::File> filehandle.
This means that all normal input file operations can be carried out with
C<$z>. For example, to read a line from a compressed file/buffer you can
use either of these forms

    $line = $z->getline();
    $line = <$z>;

The mandatory parameter C<$input> is used to determine the source of the
compressed data. This parameter can take one of three forms.

=over 5

=item A filename

If the C<$input> parameter is a scalar, it is assumed to be a filename. This
file will be opened for reading and the compressed data will be read from it.

=item A filehandle

If the C<$input> parameter is a filehandle, the compressed data will be
read from it.
The string '-' can be used as an alias for standard input.

=item A scalar reference

If C<$input> is a scalar reference, the compressed data will be read from
C<$$input>.

=back
=head2 Constructor Options

The option names defined below are case insensitive and can be optionally prefixed by a '-' . So all of the following are valid

-AutoClose
-autoclose
AUTOCLOSE
autoclose

OPTS is a combination of the following options:

=over 5

=item C<< AutoClose => 0|1 >>

This option is only valid when the C<$input> parameter is a filehandle. If specified, and the value is true, it will result in the file being closed once either the C<close> method is called or the IO::Uncompress::AnyUncompress object is destroyed.

This parameter defaults to 0.

=item C<< MultiStream => 0|1 >>

Allows multiple concatenated compressed streams to be treated as a single compressed stream. Decompression will stop once either the end of the file/buffer is reached, an error is encountered (premature eof, corrupt compressed data) or the end of a stream is not immediately followed by the start of another stream.

This parameter defaults to 0.

=item C<< Prime => $string >>

This option will uncompress the contents of C<$string> before processing the input file/buffer.

This option can be useful when the compressed data is embedded in another file/data structure and it is not possible to work out where the compressed data begins without having to read the first few bytes. If this is the case, the uncompression can be I<primed> with these bytes using this option.

=item C<< Transparent => 0|1 >>

If this option is set and the input file/buffer is not compressed data,
the module will allow reading of it anyway.

In addition, if the input file/buffer does contain compressed data and there is non-compressed data immediately following it, setting this option will make this module treat the whole file/buffer as a single data stream.

This option defaults to 1.

=item C<< BlockSize => $num >>

When reading the compressed input data, IO::Uncompress::AnyUncompress will read it in blocks of C<$num> bytes.

This option defaults to 4096.

=item C<< InputLength => $size >>

When present this option will limit the number of compressed bytes read from the input file/buffer to C<$size>. This option can be used in the situation where there is useful data directly after the compressed data stream and you know beforehand the exact length of the compressed data stream.

This option is mostly used when reading from a filehandle, in which case the file pointer will be left pointing to the first byte directly after the compressed data stream.

This option defaults to off.

=item C<< Append => 0|1 >>

This option controls what the C<read> method does with uncompressed data.

If set to 1, all uncompressed data will be appended to the output parameter of the C<read> method.

If set to 0, the contents of the output parameter of the C<read> method will be overwritten by the uncompressed data.

Defaults to 0.

=item C<< Strict => 0|1 >>

This option controls whether the extra checks defined below are used when carrying out the decompression. When Strict is on, the extra tests are carried out, when Strict is off they are not.

The default for this option is off.
When auto-detecting the compressed format, try to test for raw-deflate (RFC 1951) content using the \texttt{IO::Uncompress::RawInflate} module.

The reason this is not default behaviour is because RFC 1951 content can only be detected by attempting to uncompress it. This process is error prone and can result in false positives.

Defaults to 0.

When auto-detecting the compressed format, try to test for lzma Alone content using the \texttt{IO::Uncompress::UnLzma} module.

The reason this is not default behaviour is because lzma Alone content can only be detected by attempting to uncompress it. This process is error prone and can result in false positives.

Defaults to 0.

Usage is

\begin{verbatim}
$status = $z->read($buffer)
\end{verbatim}

Reads a block of compressed data (the size of the compressed block is determined by the \texttt{Buffer} option in the constructor), uncompresses it and writes any uncompressed data into \texttt{Buffer}. If the \texttt{Append} parameter is set in the constructor, the uncompressed data will be appended to the \texttt{Buffer} parameter. Otherwise \texttt{Buffer} will be overwritten.

Returns the number of uncompressed bytes written to \texttt{Buffer}, zero if eof or a negative number on error.
Usage is

$status = $z->read($buffer, $length)
$status = $z->read($buffer, $length, $offset)

$status = read($z, $buffer, $length)
$status = read($z, $buffer, $length, $offset)

Attempt to read C<$length> bytes of uncompressed data into C<$buffer>.

The main difference between this form of the C<read> method and the previous one, is that this one will attempt to return I<exactly> C<$length> bytes. The only circumstances that this function will not is if end-of-file or an IO error is encountered.

Returns the number of uncompressed bytes written to C<$buffer>, zero if eof or a negative number on error.

=head2 getline

Usage is

$line = $z->getline()
$line = <$z>

Reads a single line.

This method fully supports the use of the variable C<$/> (or C<$INPUT_RECORD_SEPARATOR> or C<$RS> when C<English> is in use) to determine what constitutes an end of line. Paragraph mode, record mode and file slurp mode are all supported.

=head2 getc

Usage is

$char = $z->getc()

Read a single character.

=head2 ungetc

Usage is

$char = $z->ungetc($string)

=head2 getHeaderInfo
Usage is

```perl
$hdr = $z->getHeaderInfo();
@hdrs = $z->getHeaderInfo();
```

This method returns either a hash reference (in scalar context) or a list or hash references (in array context) that contains information about each of the header fields in the compressed data stream(s).

=head2 tell

Usage is

```perl
$z->tell();
tell $z
```

Returns the uncompressed file offset.

=head2 eof

Usage is

```perl
$z->eof();
eof($z);
```

Returns true if the end of the compressed input stream has been reached.

=head2 seek

```perl
$z->seek($position, $whence);
seek($z, $position, $whence);
```

Provides a sub-set of the C<seek> functionality, with the restriction that it is only legal to seek forward in the input file/buffer. It is a fatal error to attempt to seek backward.

Note that the implementation of C<seek> in this module does not provide true random access to a compressed file/buffer. It works by uncompressing data from the current offset in the file/buffer until it reaches the uncompressed offset specified in the parameters to C<seek>. For very small files this may be acceptable behaviour. For large files it may cause an unacceptable delay.

The C<$whence> parameter takes one the usual values, namely SEEK_SET, SEEK_CUR or SEEK_END.

Returns 1 on success, 0 on failure.
=head2 binmode

Usage is

$z->binmode
    binmode $z ;

This is a noop provided for completeness.

=head2 opened

$z->opened()

Returns true if the object currently refers to a opened file/buffer.

=head2 autoflush

    my $prev = $z->autoflush()
    my $prev = $z->autoflush(EXPR)

If the C<$z> object is associated with a file or a filehandle, this method returns the current autoflush setting for the underlying filehandle. If C<EXPR> is present, and is non-zero, it will enable flushing after every write/print operation.

If C<$z> is associated with a buffer, this method has no effect and always returns C<undef>.

B<Note> that the special variable C<$|> B<cannot> be used to set or retrieve the autoflush setting.

=head2 input_line_number

    $z->input_line_number()
    $z->input_line_number(EXPR)

Returns the current uncompressed line number. If C<EXPR> is present it has the effect of setting the line number. Note that setting the line number does not change the current position within the file/buffer being read.

The contents of C<$/> are used to determine what constitutes a line terminator.

=head2 fileno

    $z->fileno()
    fileno($z)
If the \$z object is associated with a file or a filehandle, \$fileno will return the underlying file descriptor. Once the \$close method is called \$fileno will return \$undef.

If the \$z object is associated with a buffer, this method will return \$undef.

=head2 close

\$z-&gt;close();
close \$z;

Closes the output file/buffer.

For most versions of Perl this method will be automatically invoked if the IO::Uncompress::AnyUncompress object is destroyed (either explicitly or by the variable with the reference to the object going out of scope). The exceptions are Perl versions 5.005 through 5.00504 and 5.8.0. In these cases, the \$close method will be called automatically, but not until global destruction of all live objects when the program is terminating.

Therefore, if you want your scripts to be able to run on all versions of Perl, you should call \$close explicitly and not rely on automatic closing.

Returns true on success, otherwise 0.

If the \$AutoClose option has been enabled when the IO::Uncompress::AnyUncompress object was created, and the object is associated with a file, the underlying file will also be closed.

=head2 nextStream

Usage is

my \$status = \$z-&gt;nextStream();

Skips to the next compressed data stream in the input file/buffer. If a new compressed data stream is found, the eof marker will be cleared and \$ will be reset to 0.

Returns 1 if a new stream was found, 0 if none was found, and -1 if an error was encountered.

=head2 trailingData

Usage is
my $data = $z->trailingData();

Returns the data, if any, that is present immediately after the compressed data stream once uncompression is complete. It only makes sense to call this method once the end of the compressed data stream has been encountered.

This option can be used when there is useful information immediately following the compressed data stream, and you don't know the length of the compressed data stream.

If the input is a buffer, C<trailingData> will return everything from the end of the compressed data stream to the end of the buffer.

If the input is a filehandle, C<trailingData> will return the data that is left in the filehandle input buffer once the end of the compressed data stream has been reached. You can then use the filehandle to read the rest of the input file.

Don't bother using C<trailingData> if the input is a filename.

If you know the length of the compressed data stream before you start uncompressing, you can avoid having to use C<trailingData> by setting the C<InputLength> option in the constructor.

=head1 Importing

No symbolic constants are required by this IO::Uncompress::AnyUncompress at present.

=over 5

=item :all

Imports C<anyuncompress> and C<$AnyUncompressError>.

Same as doing this

    use IO::Uncompress::AnyUncompress qw(anyuncompress $AnyUncompressError) ;

=back

=head1 EXAMPLES

=head1 SEE ALSO

L<Compress::Zlib>, L<IO::Compress::Gzip>, L<IO::Uncompress::Gunzip>, L<IO::Compress::Deflate>, L<IO::Uncompress::Inflate>, L<IO::Compress::RawDeflate>, L<IO::Uncompress::RawInflate>, L<IO::Compress::Bzip2>, L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>,
L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>, L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>,
L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>, L<IO::Uncompress::UnLzf>,
L<IO::Uncompress::AnyInflate>

L<IO::Compress::FAQ|IO::Compress::FAQ>

L<File::GlobMapper|File::GlobMapper>, L<Archive::Zip|Archive::Zip>,
L<Archive::Tar|Archive::Tar>,
L<IO::Zlib|IO::Zlib>

=head1 AUTHOR

This module was written by Paul Marquess, C<pmqs@cpan.org>.

=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-
b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-
2.081/lib/IO/Uncompress/AnyUncompress.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

Compress::Zlib - Interface to zlib compression library

=head1 SYNOPSIS

use Compress::Zlib ;

($d, $status) = deflateInit( [OPT] ) ;
$status = $d->deflate($input, $output) ;
$status = $d->flush([flush_type]) ;
$d->deflateParams(OPTS) ;
$d->deflateTune(OPTS) ;
$d->dict_adler() ;
$d->crc32() ;
$d->adler32() ;
$d->total_in() ;
$d->total_out();
$d->msg();
$d->get_Strategy();
$d->get_Level();
$d->get_BufSize();

($i, $status) = inflateInit([OPT]);
$status = $i->inflate($input, $output [, $eof]);
$i->dict_adler();
$d->crc32();
$d->adler32();
$i->total_in();
$i->total_out();
$i->msg();
$d->get_BufSize();

$dest = compress($source);
$dest = uncompress($source);

$gz = gzopen($filename or filehandle, $mode);
$bytesread = $gz->gzread($buffer [, $size]);
$bytesread = $gz->gzreadline($line);
$byteswritten = $gz->gzwrite($buffer);
$status = $gz->gzflush($flush);
$offset = $gz->gztell();
$status = $gz->gzseek($offset, $whence);
$status = $gz->gzcose();
$status = $gz->gzsetparams($level, $strategy);
$errstring = $gz->gzerror();
$gzerrno

$dest = Compress::Zlib::memGzip($buffer);
$dest = Compress::Zlib::memGunzip($buffer);

$crc = adler32($buffer [, $crc]);
$crc = crc32($buffer [, $crc]);

$src = crc32_combine($src1, $src2, $len2);
$adler = adler32_combine($adler1, $adler2, $len2);

my $version = Compress::Raw::Zlib::zlib_version();

=head1 DESCRIPTION

The I<Compress::Zlib> module provides a Perl interface to the I<zlib> compression library (see L</AUTHOR> for details about where to get
The `Compress::Zlib` module can be split into two general areas of functionality, namely a simple read/write interface to `gzip` files and a low-level in-memory compression/decompression interface.

Each of these areas will be discussed in the following sections.

=head2 Notes for users of Compress::Zlib version 1

The main change in `Compress::Zlib` version 2.x is that it does not now interface directly to the zlib library. Instead it uses the `IO::Compress::Gzip` and `IO::Uncompress::Gunzip` modules for reading/writing gzip files, and the `Compress::Raw::Zlib` module for some low-level zlib access.

The interface provided by version 2 of this module should be 100% backward compatible with version 1. If you find a difference in the expected behaviour please contact the author (See L</AUTHOR>). See L<GZIP INTERFACE>

With the creation of the `IO::Compress` and `IO::Uncompress` modules no new features are planned for `Compress::Zlib` - the new modules do everything that `Compress::Zlib` does and then some. Development on `Compress::Zlib` will be limited to bug fixes only.

If you are writing new code, your first port of call should be one of the new `IO::Compress` or `IO::Uncompress` modules.

=head1 GZIP INTERFACE

A number of functions are supplied in `zlib` for reading and writing `gzip` files that conform to RFC 1952. This module provides an interface to most of them.

If you have previously used `Compress::Zlib` 1.x, the following enhancements/changes have been made to the `gzopen` interface:

=over 5

=item 1

If you want to open either STDIN or STDOUT with `gzopen`, you can now optionally use the special filename "C<->" as a synonym for C</*STDIN> and C</*STDOUT>.

=item 2

In `Compress::Zlib` version 1.x, `gzopen` used the zlib library to open
the underlying file. This made things especially tricky when a Perl
filehandle was passed to C<gzopen>. Behind the scenes the numeric C file
descriptor had to be extracted from the Perl filehandle and this passed to
the zlib library.

Apart from being non-portable to some operating systems, this made it
difficult to use C<gzopen> in situations where you wanted to extract/create
a gzip data stream that is embedded in a larger file, without having to
resort to opening and closing the file multiple times.

It also made it impossible to pass a perl filehandle that wasn't associated
with a real filesystem file, like, say, an C<IO::String>.

In C<Compress::Zlib> version 2.x, the C<gzopen> interface has been
completely rewritten to use the L<IO::Compress::Gzip|IO::Compress::Gzip>
for writing gzip files and L<IO::Uncompress::Gunzip|IO::Uncompress::Gunzip>
for reading gzip files. None of the limitations mentioned above apply.

=item 3

Addition of C<gzseek> to provide a restricted C<seek> interface.

=item 4.

Added C<gztell>.

=back

A more complete and flexible interface for reading/writing gzip
files/buffers is included with the module C<IO-Compress-Zlib>. See
L<IO::Compress::Gzip|IO::Compress::Gzip> and
L<IO::Uncompress::Gunzip|IO::Uncompress::Gunzip> for more details.

=over 5

=item B<$gz = gzopen($filename, $mode)> 

=item B<$gz = gzopen($filehandle, $mode)> 

This function opens either the I<gzip> file C<$filename> for reading or
writing or attaches to the opened filehandle, C<$filehandle>.
It returns an object on success and C<undef> on failure.

When writing a gzip file this interface will I<always> create the smallest
possible gzip header (exactly 10 bytes). If you want greater control over
what gets stored in the gzip header (like the original filename or a
comment) use L<IO::Compress::Gzip|IO::Compress::Gzip> instead. Similarly if
you want to read the contents of the gzip header use
The second parameter, C<$mode$>, is used to specify whether the file is opened for reading or writing and to optionally specify a compression level and compression strategy when writing. The format of the C<$mode$> parameter is similar to the mode parameter to the 'C' function C<fopen>, so "rb" is used to open for reading, "wb" for writing and "ab" for appending (writing at the end of the file).

To specify a compression level when writing, append a digit between 0 and 9 to the mode string -- 0 means no compression and 9 means maximum compression.

If no compression level is specified Z_DEFAULT_COMPRESSION is used.

To specify the compression strategy when writing, append 'f' for filtered data, 'h' for Huffman only compression, or 'R' for run-length encoding.

If no strategy is specified Z_DEFAULT_STRATEGY is used.

So, for example, "wb9" means open for writing with the maximum compression using the default strategy and "wb4R" means open for writing with compression level 4 and run-length encoding.

Refer to the I<zlib> documentation for the exact format of the C<$mode$> parameter.

=item B<$bytesread = $gz-E<gt>gzread($buffer [, $size]) ;>

Reads C<$size$> bytes from the compressed file into C<$buffer$>. If C<$size$> is not specified, it will default to 4096. If the scalar C<$buffer$> is not large enough, it will be extended automatically.

Returns the number of bytes actually read. On EOF it returns 0 and in the case of an error, -1.

=item B<$bytesread = $gz-E<gt>gzreadline($line) ;>

Reads the next line from the compressed file into C<$line$>.

Returns the number of bytes actually read. On EOF it returns 0 and in the case of an error, -1.

It is legal to intermix calls to C<gzread> and C<gzreadline>.

To maintain backward compatibility with version 1.x of this module C<gzreadline> ignores the C<$/> variable - it I<always> uses the string C<"\n"> as the line delimiter.

If you want to read a gzip file a line at a time and have it respect the
C<$/> variable (or C<$INPUT_RECORD_SEPARATOR>, or C<$RS> when C<English> is in use) see L<IO::Uncompress::Gunzip|IO::Uncompress::Gunzip>.

=item B<=$byteswritten = $gz-E<gt>gzwrite($buffer) ;>

Writes the contents of C<$buffer> to the compressed file. Returns the number of bytes actually written, or 0 on error.

=item B<=$status = $gz-E<gt>gzflush($flush_type) ;>

Flushes all pending output into the compressed file.

This method takes an optional parameter, C<$flush_type>, that controls how the flushing will be carried out. By default the C<$flush_type> used is C<Z_FINISH>. Other valid values for C<$flush_type> are C<Z_NO_FLUSH>, C<Z_SYNC_FLUSH>, C<Z_FULL_FLUSH> and C<Z_BLOCK>. It is strongly recommended that you only set the C<$flush_type> parameter if you fully understand the implications of what it does - overuse of C<flush> can seriously degrade the level of compression achieved. See the C<zlib> documentation for details.

Returns 0 on success.

=item B<=$offset = $gz-E<gt>gztell() ;>

Returns the uncompressed file offset.

=item B<=$status = $gz-E<gt>gzseek($offset, $whence) ;>

Provides a sub-set of the C<seek> functionality, with the restriction that it is only legal to seek forward in the compressed file. It is a fatal error to attempt to seek backward.

When opened for writing, empty parts of the file will have NULL (0x00) bytes written to them.

The C<$whence> parameter should be one of SEEK_SET, SEEK_CUR or SEEK_END.

Returns 1 on success, 0 on failure.

=item B<=$gz-E<gt>gzclose>

Closes the compressed file. Any pending data is flushed to the file before it is closed.

Returns 0 on success.

=item B<=$gz-E<gt>gzsetparams($level, $strategy>
Change settings for the deflate stream $gz$.

The list of the valid options is shown below. Options not specified will remain unchanged.

Note: This method is only available if you are running zlib 1.0.6 or better.

=over 5

=item B<$level>

Defines the compression level. Valid values are 0 through 9, $\text{Z}_\text{NO\_COMPRESSION}$, $\text{Z}_\text{BEST\_SPEED}$, $\text{Z}_\text{BEST\_COMPRESSION}$, and $\text{Z}_\text{DEFAULT\_COMPRESSION}$.

=item B<$strategy>

Defines the strategy used to tune the compression. The valid values are $\text{Z}_\text{DEFAULT\_STRATEGY}$, $\text{Z}_\text{FILTERED}$ and $\text{Z}_\text{HUFFMAN\_ONLY}$.

=back

=item B<$gz-E<gt>gzerror>

Returns the $\text{zlib}$ error message or number for the last operation associated with $gz$. The return value will be the $\text{zlib}$ error number when used in a numeric context and the $\text{zlib}$ error message when used in a string context. The $\text{zlib}$ error number constants, shown below, are available for use.

$Z\_\text{OK}$
$Z\_\text{STREAM\_END}$
$Z\_\text{ERRNO}$
$Z\_\text{STREAM\_ERROR}$
$Z\_\text{DATA\_ERROR}$
$Z\_\text{MEM\_ERROR}$
$Z\_\text{BUF\_ERROR}$

=item B<$gzerrno>

The $gzerrno$ scalar holds the error code associated with the most recent $\text{gzip}$ routine. Note that unlike $\text{gzerror()}$, the error is $\text{not}$ associated with a particular file.

As with $\text{gzerror()}$ it returns an error number in numeric context and an error message in string context. Unlike $\text{gzerror()}$ though, the error message will correspond to the $\text{zlib}$ message when the error is
associated with I<zlib> itself, or the UNIX error message when it is not (i.e. I<zlib> returned C<Z_ERRNO>).

As there is an overlap between the error numbers used by I<zlib> and UNIX, C<$gzerrno> should only be used to check for the presence of I<an> error in numeric context. Use C<gzerror()> to check for specific I<zlib> errors. The I<gzcat> example below shows how the variable can be used safely.

=back

=head2 Examples

Here is an example script which uses the interface. It implements a I<gzcat> function.

use strict ;
use warnings ;
use Compress::Zlib ;

# use stdin if no files supplied
ARGV = '-' unless ARGV ;
foreach my $file (@ARGV) {
    my $buffer ;
    my $gz = gzopen($file, "rb")
        or die "Cannot open $file: $gzerrno
    while $gz->gzread($buffer) > 0 {
        print $buffer ;
    }
    $gz->gzclose() ;
}

Below is a script which makes use of C<gzreadline>. It implements a very simple I<grep> like script.

use strict ;
use warnings ;
use Compress::Zlib ;

die "Usage: gzgrep pattern [file...]" unless @ARGV >= 1;
my $pattern = shift;

# use stdin if no files supplied
@ARGV = '- ' unless @ARGV;

foreach my $file (@ARGV) {
  my $gz = gzopen($file, "rb")
  or die "Cannot open $file: $gzerrno
";

  while ($gz-&gt;gzreadline($_) &gt; 0) {
    print if /$pattern/ ;
  }

  die "Error reading from $file: $gzerrno
" if $gzerrno != Z_STREAM_END;

  $gz-&gt;gzclose() ;
}

This script, I&lt;gzstream&gt;, does the opposite of the I&lt;gzcat&gt; script above. It reads from standard input and writes a gzip data stream to standard output.

use strict;
use warnings;
use Compress::Zlib;

binmode STDOUT;  # gzopen only sets it on the fd

my $gz = gzopen(STDOUT, "wb")
  or die "Cannot open stdout: $gzerrno
";

while (<>) {
  $gz-&gt;gzwrite($_)
  or die "error writing: $gzerrno
";
}

$gz-&gt;gzclose;

=head2 Compress::Zlib::memGzip

This function is used to create an in-memory gzip file with the minimum possible gzip header (exactly 10 bytes).

$dest = Compress::Zlib::memGzip($buffer)
  or die "Cannot compress: $gzerrno
";
If successful, it returns the in-memory gzip file. Otherwise it returns `C<undef>` and the `C<$gzerrno>` variable will store the zlib error code.

The `C<$buffer>` parameter can either be a scalar or a scalar reference.

See L<IO::Compress::Gzip> for an alternative way to carry out in-memory gzip compression.

=head2 Compress::Zlib::memGunzip

This function is used to uncompress an in-memory gzip file.

```perl
$dest = Compress::Zlib::memGunzip($buffer)
    or die "Cannot uncompress: $gzerrno\n";
```

If successful, it returns the uncompressed gzip file. Otherwise it returns `C<undef>` and the `C<$gzerrno>` variable will store the zlib error code.

The `C<$buffer>` parameter can either be a scalar or a scalar reference. The contents of the `C<$buffer>` parameter are destroyed after calling this function.

If `C<$buffer>` consists of multiple concatenated gzip data streams only the first will be uncompressed. Use `C<gunzip>` with the `C<MultiStream>` option in the `C<IO::Uncompress::Gunzip>` module if you need to deal with concatenated data streams.

See L<IO::Uncompress::Gunzip> for an alternative way to carry out in-memory gzip uncompression.

=head1 COMPRESS/UNCOMPRESS

Two functions are provided to perform in-memory compression/uncompression of RFC 1950 data streams. They are called `C<compress>` and `C<uncompress>`.

=item B<$dest = compress($source [, $level] ) ;>

Compresses `C<$source>` . If successful it returns the compressed data. Otherwise it returns `C<undef>`.

The source buffer, `C<$source>` , can either be a scalar or a scalar reference.

The `C<$level>` parameter defines the compression level. Valid values are 0 through 9, `C<Z_NO_COMPRESSION>`, `C<Z_BEST_SPEED>`,
C<Z_BEST_COMPRESSION>, and C<Z_DEFAULT_COMPRESSION>. If C<$level> is not specified C<Z_DEFAULT_COMPRESSION> will be used.

=item B<$dest = uncompress($source) ;>

Uncompresses C<$source>. If successful it returns the uncompressed data. Otherwise it returns I<undef>.

The source buffer can either be a scalar or a scalar reference.

=back

Please note: the two functions defined above are I<not> compatible with the Unix commands of the same name.

See L<IO::Deflate> and L<IO::Inflate> included with this distribution for an alternative interface for reading/writing RFC 1950 files/buffers.

=head1 Deflate Interface

This section defines an interface that allows in-memory compression using the I<deflate> interface provided by zlib.

Here is a definition of the interface available:

=head2 B<($d, $status) = deflateInit( [OPT] )>

Initialises a deflation stream.

It combines the features of the I<zlib> functions C<deflateInit>, C<deflateInit2> and C<deflateSetDictionary>.

If successful, it will return the initialised deflation stream, C<$d> and C<$status> of C<Z_OK> in a list context. In scalar context it returns the deflation stream, C<$d>, only.

If not successful, the returned deflation stream (C<$d>) will be I<undef> and C<$status> will hold the exact I<zlib> error code.

The function optionally takes a number of named options specified as C<< -Name=>value >> pairs. This allows individual options to be tailored without having to specify them all in the parameter list.

For backward compatibility, it is also possible to pass the parameters as a reference to a hash containing the name=>value pairs.

The function takes one optional parameter, a reference to a hash. The
contents of the hash allow the deflation interface to be tailored.

Here is a list of the valid options:

=item B<-Level>

Defines the compression level. Valid values are 0 through 9, {C<Z_NO_COMPRESSION>, C<Z_BEST_SPEED>, C<Z_BEST_COMPRESSION>, and C<Z_DEFAULT_COMPRESSION>}. The default is Z_DEFAULT_COMPRESSION.

=item B<-Method>

Defines the compression method. The only valid value at present (and the default) is Z_DEFLATED.

=item B<-WindowBits>

To create an RFC 1950 data stream, set C<WindowBits> to a positive number. To create an RFC 1951 data stream, set C<WindowBits> to C<-MAX_WBITS>.

For a full definition of the meaning and valid values for C<WindowBits> refer to the I<zlib> documentation for I<deflateInit2>. Defaults to MAX_WBITS.

=item B<-MemLevel>

For a definition of the meaning and valid values for C<MemLevel> refer to the I<zlib> documentation for I<deflateInit2>. Defaults to MAX_MEM_LEVEL.

=item B<-Strategy>

Defines the strategy used to tune the compression. The valid values are C<Z_DEFAULT_STRATEGY>, C<Z_FILTERED> and C<Z_HUFFMAN_ONLY>.

The default is Z_DEFAULT_STRATEGY.

=item B<-Dictionary>

When a dictionary is specified I<Compress::Zlib> will automatically call C<deflateSetDictionary> directly after calling C<deflateInit>. The
Adler32 value for the dictionary can be obtained by calling the method C<$d->dict_adler()>.

The default is no dictionary.

=item B<-Bufsize>

Sets the initial size for the deflation buffer. If the buffer has to be reallocated to increase the size, it will grow in increments of C<$bufsize>.

The default is 4096.

=back

Here is an example of using the C<deflateInit> optional parameter list to override the default buffer size and compression level. All other options will take their default values.

    deflateInit( -Bufsize => 300,
                  -Level => Z_BEST_SPEED )

=head2 B<$out, $status> = $d-E<gt>deflate($buffer)>

Deflates the contents of C<$buffer>. The buffer can either be a scalar or a scalar reference. When finished, C<$buffer> will be completely processed (assuming there were no errors). If the deflation was successful it returns the deflated output, C<$out>, and a status value, C<$status>, of C<Z_OK>.

On error, C<$out> will be I<undef> and C<$status> will contain the I<zlib> error code.

In a scalar context C<deflate> will return C<$out> only.

As with the I<deflate> function in I<zlib>, it is not necessarily the case that any output will be produced by this method. So don't rely on the fact that C<$out> is empty for an error test.

=head2 B<$out, $status> = $d-E<gt>flush()> 
=head2 B<$out, $status> = $d-E<gt>flush($flush_type)>

Typically used to finish the deflation. Any pending output will be returned via C<$out>. C<$status> will have a value C<Z_OK> if successful.

In a scalar context C<flush> will return C<$out> only.
Note that flushing can seriously degrade the compression ratio, so it should only be used to terminate a decompression (using C<Z_FINISH>) or when you want to create a full flush point (using C<Z_FULL_FLUSH>).

By default the C<flush_type> used is C<Z_FINISH>. Other valid values for C<flush_type> are C<Z_NO_FLUSH>, C<Z_PARTIAL_FLUSH>, C<Z_SYNC_FLUSH> and C<Z_FULL_FLUSH>. It is strongly recommended that you only set the C<flush_type> parameter if you fully understand the implications of what it does. See the C<zlib> documentation for details.

=head2 $status = $d->deflateParams([OPT])

Change settings for the deflate stream C<$d>.

The list of the valid options is shown below. Options not specified will remain unchanged.

=over 5

=item B<-Level>

Defines the compression level. Valid values are 0 through 9, C<Z_NO_COMPRESSION>, C<Z_BEST_SPEED>, C<Z_BEST_COMPRESSION>, and C<Z_DEFAULT_COMPRESSION>.

=item B<-Strategy>

Defines the strategy used to tune the compression. The valid values are C<Z_DEFAULT_STRATEGY>, C<Z_FILTERED> and C<Z_HUFFMAN_ONLY>.

=back

=head2 $d->dict_adler()  

Returns the adler32 value for the dictionary.

=head2 $d->msg()  

Returns the last error message generated by zlib.

=head2 $d->total_in()  

Returns the total number of bytes uncompressed bytes input to deflate.

=head2 $d->total_out()  

Returns the total number of compressed bytes output from deflate.
Here is a trivial example of using \texttt{deflate}. It simply reads standard input, deflates it and writes it to standard output.

```perl
use strict;
use warnings;

use Compress::Zlib;
binmode STDIN;
binmode STDOUT;
my $x = deflateInit()
    or die "Cannot create a deflation stream\n"
;
my ($output, $status) ;
while (<>)
{
    ($output, $status) = $x->deflate($_) ;

    $status == Z_OK
    or die "deflation failed\n" ;

    print $output ;
}

($output, $status) = $x->flush() ;

$status == Z_OK
    or die "deflation failed\n" ;

print $output ;

=head1 Inflate Interface

This section defines the interface available that allows in-memory uncompression using the \texttt{deflate} interface provided by zlib.

Here is a definition of the interface:

=def $(i, $status) = inflateInit()>

Initialises an inflation stream.

In a list context it returns the inflation stream, \texttt{C<i>}, and the \texttt{I<zlib>} status code in \texttt{C<$status>}. In a scalar context it returns the inflation stream only.
If successful, $i$ will hold the inflation stream and $status$ will be Z_OK.

If not successful, $i$ will be undef and $status$ will hold the zlib error code.

The function optionally takes a number of named options specified as C<< -Name=>value >> pairs. This allows individual options to be tailored without having to specify them all in the parameter list.

For backward compatibility, it is also possible to pass the parameters as a reference to a hash containing the name=>value pairs.

The function takes one optional parameter, a reference to a hash. The contents of the hash allow the deflation interface to be tailored.

Here is a list of the valid options:

=over 5

=item B<-WindowBits>

To uncompress an RFC 1950 data stream, set WindowBits to a positive number.

To uncompress an RFC 1951 data stream, set WindowBits to -MAX_WBITS.

For a full definition of the meaning and valid values for WindowBits refer to the zlib documentation for inflateInit2.

Defaults to MAX_WBITS.

=item B<-Bufsize>

Sets the initial size for the inflation buffer. If the buffer has to be reallocated to increase the size, it will grow in increments of Bufsize.

Default is 4096.

=item B<-Dictionary>

The default is no dictionary.

=back

Here is an example of using the inflateInit optional parameter to override the default buffer size.
inflateInit( -Bufsize => 300 )

=head2 ($out, $status) = $i-E<gt>inflate($buffer)

Inflates the complete contents of $buffer. The buffer can either be a scalar or a scalar reference.

Returns Z_OK if successful and Z_STREAM_END if the end of the compressed data has been successfully reached.
If not successful, $out will be undef and $status will hold the zlib error code.

The $buffer parameter is modified by inflate. On completion it will contain what remains of the input buffer after inflation. This means that $buffer will be an empty string when the return status is Z_OK. When the return status is Z_STREAM_END the $buffer parameter will contain what (if anything) was stored in the input buffer after the deflated data stream.

This feature is useful when processing a file format that encapsulates a compressed data stream (e.g. gzip, zip).

=head2 $status = $i-E<gt>inflateSync($buffer)

Scans $buffer until it reaches either a full flush point or the end of the buffer.

If a full flush point is found, Z_OK is returned and $buffer will be have all data up to the flush point removed. This can then be passed to the deflate method.

Any other return code means that a flush point was not found. If more data is available, inflateSync can be called repeatedly with more compressed data until the flush point is found.

=head2 $i-E<gt>dict_adler()

Returns the adler32 value for the dictionary.

=head2 $i-E<gt>msg()

Returns the last error message generated by zlib.

=head2 $i-E<gt>total_in()

Returns the total number of bytes compressed bytes input to inflate.

=head2 $i-E<gt>total_out()
Returns the total number of uncompressed bytes output from inflate.

=head2 Example

Here is an example of using C<inflate>.

use strict ;
use warnings ;

equip::Zlib ;

my $x = inflateInit()
  or die "Cannot create a inflation stream\n" ;

my $input = "
binmode STDIN;
binmode STDOUT;

my ($output, $status) ;
while (read(STDIN, $input, 4096))
{
  ($output, $status) = $x->inflate($input) ;

  print $output
    if $status == Z_OK or $status == Z_STREAM_END ;

  last if $status != Z_OK ;
}

die "inflation failed\n"
  unless $status == Z_STREAM_END ;

=head1 CHECKSUM FUNCTIONS

Two functions are provided by I<zlib> to calculate checksums. For the Perl interface, the order of the two parameters in both functions has been reversed. This allows both running checksums and one off calculations to be done.

$crc = adler32($buffer [,,$crc]) ;
$crc = crc32($buffer [,,$crc]) ;

The buffer parameters can either be a scalar or a scalar reference.

If the $crc parameters is C<undef>, the crc value will be reset.

If you have built this module with zlib 1.2.3 or better, two more
CRC-related functions are available.

```
$crc = crc32_combine($crc1, $crc2, $len2);
$adler = adler32_combine($adler1, $adler2, $len2);
```

These functions allow checksums to be merged.
Refer to the `zlib` documentation for more details.

=head1 Misc

=head2 my $version = Compress::Zlib::zlib_version();

Returns the version of the zlib library.

=head1 CONSTANTS

All the `zlib` constants are automatically imported when you make use of `Compress::Zlib`.

=head1 SEE ALSO

L<IO::Compress::Gzip>, L<IO::Uncompress::Gunzip>, L<IO::Compress::Deflate>, L<IO::Uncompress::Inflate>,
L<IO::Compress::RawDeflate>, L<IO::Uncompress::RawInflate>, L<IO::Compress::Bzip2>,
L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>, L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>,
L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>, L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>,
L<IO::Uncompress::UnLzf>, L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>

L<IO::Compress::FAQ|IO::Compress::FAQ>

L<File::GlobMapper|File::GlobMapper>, L<Archive::Zip|Archive::Zip>,
L<Archive::Tar|Archive::Tar>,
L<IO::Zlib|IO::Zlib>

For RFC 1950, 1951 and 1952 see
L<http://www.faqs.org/rfcs/rfc1950.html>,
L<http://www.faqs.org/rfcs/rfc1951.html> and

The `zlib` compression library was written by Jean-loup Gailly
C<gzip@prep.ai.mit.edu> and Mark Adler C<madler@alumni.caltech.edu>.

The primary site for the `zlib` compression library is

The primary site for gzip is L<http://www.gzip.org>.

=head1 AUTHOR
This module was written by Paul Marquess, C<pmqs@cpan.org>.

=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 1995-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-2.081/lib/Compress/Zlib.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

IO::Compress::FAQ -- Frequently Asked Questions about IO::Compress

=head1 DESCRIPTION

Common questions answered.

=head1 GENERAL

=head2 Compatibility with Unix compress/uncompress.

Although C<Compress::Zlib> has a pair of functions called C<compress> and C<uncompress>, they are I<not> related to the Unix programs of the same name. The C<Compress::Zlib> module is not compatible with Unix C<compress>.

If you have the C<uncompress> program available, you can use this to read compressed files

    open F, "uncompress -c $filename |";
    while (<F>)
        ...
    }

Alternatively, if you have the C<gunzip> program available, you can use this to read compressed files

    open F, "gunzip -c $filename |";
    while (<F>)
and this to write compress files, if you have the C<compress> program available

    open F, "| compress -c $filename ";
    print F "data";
    ...
    close F;

=head2 Accessing .tar.Z files

The C<Archive::Tar> module can optionally use C<Compress::Zlib> (via the C<IO::Zlib> module) to access tar files that have been compressed with C<gzip>. Unfortunately tar files compressed with the Unix C<compress> utility cannot be read by C<Compress::Zlib> and so cannot be directly accessed by C<Archive::Tar>.

If the C<uncompress> or C<gunzip> programs are available, you can use one of these workarounds to read C<.tar.Z> files from C<Archive::Tar>

Firstly with C<uncompress>

    use strict;
    use warnings;
    use Archive::Tar;

    open F, "uncompress -c $filename |";
    my $tar = Archive::Tar->new(*F);
    ...

and this with C<gunzip>

    use strict;
    use warnings;
    use Archive::Tar;

    open F, "gunzip -c $filename |";
    my $tar = Archive::Tar->new(*F);
    ...

Similarly, if the C<compress> program is available, you can use this to write a C<.tar.Z> file

    use strict;
    use warnings;
    use Archive::Tar;
use IO::File;

my $fh = new IO::File "| compress -c >$filename";
my $tar = Archive::Tar->new();
...
$tar->write($fh);
$fh->close ;

=head2 How do I recompress using a different compression?

This is easier than you might expect if you realise that all the
C<IO::Compress::*> objects are derived from C<IO::File> and that all the
C<IO::Uncompress::*> modules can read from an C<IO::File> filehandle.

So, for example, say you have a file compressed with gzip that you want to
recompress with bzip2. Here is all that is needed to carry out the
recompression.

    use IO::Uncompress::Gunzip :all;
    use IO::Compress::Bzip2 :all;

    my $gzipFile = "somefile.gz";
    my $bzipFile = "somefile.bz2";

    my $gunzip = new IO::Uncompress::Gunzip $gzipFile
                or die "Cannot gunzip $gzipFile: $GunzipError\n" ;

    bzip2 $gunzip => $bzipFile
                or die "Cannot bzip2 to $bzipFile: $Bzip2Error\n" ;

Note, there is a limitation of this technique. Some compression file
formats store extra information along with the compressed data payload. For
example, gzip can optionally store the original filename and Zip stores a
lot of information about the original file. If the original compressed file
contains any of this extra information, it will not be transferred to the
new compressed file using the technique above.

=head1 ZIP

=head2 What Compression Types do IO::Compress::Zip & IO::Uncompress::Unzip support?

The following compression formats are supported by C<IO::Compress::Zip> and
C<IO::Uncompress::Unzip>

=over 5

=item * Store (method 0)
No compression at all.

=item * Deflate (method 8)

This is the default compression used when creating a zip file with C<IO::Compress::Zip>.

=item * Bzip2 (method 12)

Only supported if the C<IO-Compress-Bzip2> module is installed.

=item * Lzma (method 14)

Only supported if the C<IO-Compress-Lzma> module is installed.

Can I Read/Write Zip files larger the 4 Gig?

Yes, both the C<IO-Compress-Zip> and C<IO-Uncompress-Unzip> modules support the zip feature called I<Zip64>. That allows them to read/write files/buffers larger than 4Gig.

If you are creating a Zip file using the one-shot interface, and any of the input files is greater than 4Gig, a zip64 complaint zip file will be created.

    zip "really-large-file" => "my.zip";

Similarly with the one-shot interface, if the input is a buffer larger than 4 Gig, a zip64 complaint zip file will be created.

    zip \$really_large_buffer => "my.zip";

The one-shot interface allows you to force the creation of a zip64 zip file by including the C<Zip64> option.

    zip $filehandle => "my.zip", Zip64 => 1;

If you want to create a zip64 zip file with the OO interface you must specify the C<Zip64> option.

    my $zip = new IO::Compress::Zip "whatever", Zip64 => 1;

When uncompressing with C<IO-Uncompress-Unzip>, it will automatically detect if the zip file is zip64.

If you intend to manipulate the Zip64 zip files created with
C<IO-Compress-Zip> using an external zip/unzip, make sure that it supports Zip64.

In particular, if you are using Info-Zip you need to have zip version 3.x or better to update a Zip64 archive and unzip version 6.x to read a zip64 archive.

=head2 Can I write more that 64K entries is a Zip files?

Yes. Zip64 allows this. See previous question.

=head2 Zip Resources

The primary reference for zip files is the "appnote" document available at L<http://www.pkware.com/documents/casestudies/APPNOTE.TXT>

An alternatively is the Info-Zip appnote. This is available from L<ftp://ftp.info-zip.org/pub/infozip/doc/>

=head1 GZIP

=head2 Gzip Resources

The primary reference for gzip files is RFC 1952 L<http://www.faqs.org/rfcs/rfc1952.html>

The primary site for gzip is L<http://www.gzip.org>.

=head2 Dealing with concatenated gzip files

If the gunzip program encounters a file containing multiple gzip files concatenated together it will automatically uncompress them all. The example below illustrates this behaviour

```
$ echo abc | gzip -c >x.gz
$ echo def | gzip -c >>x.gz
$ gunzip -c x.gz
abc
def
```

By default C<IO::Uncompress::Gunzip> will I<not> behave like the gunzip program. It will only uncompress the first gzip data stream in the file, as shown below

```
$ perl -MIO::Uncompress::Gunzip=:all -e 'gunzip "x.gz" => \^STDOUT'
abc
```

To force C<IO::Uncompress::Gunzip> to uncompress all the gzip data streams,
include the C<MultiStream> option, as shown below

```
$ perl -MIO::Uncompress::Gunzip=:all -e 'gunzip "x.gz" => \*STDOUT, MultiStream => 1'
  abc
def
```

=head2 Reading bgzip files with IO::Uncompress::Gunzip

A C<bgzip> file consists of a series of valid gzip-compliant data streams concatenated together. To read a file created by C<bgzip> with C<IO::Uncompress::Gunzip> use the C<MultiStream> option as shown in the previous section.


=head1 ZLIB

=head2 Zlib Resources

The primary site for the I<zlib> compression library is L<http://www.zlib.org>.

=head1 Bzip2

=head2 Bzip2 Resources

The primary site for bzip2 is L<http://www.bzip.org>.

=head2 Dealing with Concatenated bzip2 files

If the bunzip2 program encounters a file containing multiple bzip2 files concatenated together it will automatically uncompress them all. The example below illustrates this behaviour

```
$ echo abc | bzip2 -c >x.bz2
$ echo def | bzip2 -c >>x.bz2
$ bunzip2 -c x.bz2
  abc
def
```

By default C<IO::Uncompress::Bunzip2> will I<not> behave like the bunzip2 program. It will only uncompress the first bunzip2 data stream in the file, as shown below

```
$ perl -MIO::Uncompress::Bunzip2=:all -e 'bunzip2 "x.bz2" => \*STDOUT'
  abc
```
To force C<IO::Uncompress::Bunzip2> to uncompress all the bzip2 data streams, include the C<MultiStream> option, as shown below

```perl
$ perl -MIO::Uncompress::Bunzip2=:all -e 'bunzip2 "x.bz2" => \*STDOUT, MultiStream => 1'
abc
def
```

=head2 Interoperating with Pbzip2

Pbzip2 (L<http://compression.ca/pbzip2/>) is a parallel implementation of bzip2. The output from pbzip2 consists of a series of concatenated bzip2 data streams.

By default C<IO::Uncompress::Bzip2> will only uncompress the first bzip2 data stream in a pbzip2 file. To uncompress the complete pbzip2 file you must include the C<MultiStream> option, like this.

```perl
bunzip2 $input => \$output, MultiStream => 1
or die "bunzip2 failed: $Bunzip2Error\n";
```

=head1 HTTP & NETWORK

=head2 Apache::GZip Revisited

Below is a mod_perl Apache compression module, called C<Apache::GZip>, taken from L<http://perl.apache.org/docs/tutorials/tips/mod_perl_tricks/mod_perl_tricks.html#On_the_Fly_Compression>

```perl
package Apache::GZip;

#File: Apache::GZip.pm

use strict vars;
use Apache::Constants ':common';
use Compress::Zlib;
use IO::File;
use constant GZIP_MAGIC => 0x1f8b;
use constant OS_MAGIC => 0x03;

sub handler {
    my $r = shift;
    my ($fh,$gz);
    my $file = $r->filename;
    return DECLINED unless $fh=IO::File->new($file);
    $r->header_out('Content-Encoding'=>'gzip');
    $r->send_http_header;
    return OK if $r->header_only;
}
```
tie *STDOUT,'Apache::GZip',Sr;
print($_) while <$fh>;
untie *STDOUT;
return OK;
}

sub TIEHANDLE {
    my($class,$r) = @_;  
    # initialize a deflation stream
    my $d = deflateInit(-WindowBits=-MAX_WBITS()) || return undef;

    # gzip header -- don't ask how I found out
    $r->print(pack("nccVcc",GZIP_MAGIC,Z_DEFLATED,0,time(),0,OS_MAGIC));

    return bless { r   => $r,
                   crc =>  crc32(undef),
                   d   => $d,
                   l   =>  0 
               },$class;
}

sub PRINT {
    my $self = shift;
    foreach (@_) {
        # deflate the data
        my $data = $self->{d}->deflate($_);
        $self->{r}->print($data);
        # keep track of its length and crc
        $self->{l} += length($_);
        $self->{crc} = crc32($_,$self->{crc});
    }
}

sub DESTROY {
    my $self = shift;

    # flush the output buffers
    my $data = $self->{d}->flush;
    $self->{r}->print($data);

    # print the CRC and the total length (uncompressed)
    $self->{r}->print(pack("LL",@{$self}{qw/crc l/}));
}
1;

Here's the Apache configuration entry you'll need to make use of it. Once set it will result in everything in the /compressed directory will be
compressed automagically.

<Location /compressed>
  SetHandler perl-script
  PerlHandler Apache::GZip
</Location>

Although at first sight there seems to be quite a lot going on in C<Apache::GZip>, you could sum up what the code was doing as follows -- read the contents of the file in C<< $r->filename >>, compress it and write the compressed data to standard output. That's all.

This code has to jump through a few hoops to achieve this because

=over

=item 1.

The gzip support in C<Compress::Zlib> version 1.x can only work with a real filesystem filehandle. The filehandles used by Apache modules are not associated with the filesystem.

=item 2.

That means all the gzip support has to be done by hand - in this case by creating a tied filehandle to deal with creating the gzip header and trailer.

=back

C<IO::Compress::Gzip> doesn't have that filehandle limitation (this was one of the reasons for writing it in the first place). So if C<IO::Compress::Gzip> is used instead of C<Compress::Zlib> the whole tied filehandle code can be removed. Here is the rewritten code.

package Apache::GZip;

use strict vars;
use Apache::Constants ':common';
use IO::Compress::Gzip;
use IO::File;

sub handler {
  my $r = shift;
  my ($fh,$gz);
  my $file = $r->filename;
  return DECLINED unless $fh=IO::File->new($file);
  $r->header_out('Content-Encoding'=>'gzip');
$r->send_http_header;
return OK if $r->header_only;

my $gz = new IO::Compress::Gzip '-', Minimal => 1
or return DECLINED;

print $gz $_ while <$fh>;

return OK;
}

or even more succinctly, like this, using a one-shot gzip

package Apache::GZip;

use strict vars;
use Apache::Constants ':common';
use IO::Compress::Gzip qw(gzip);

sub handler {
    my $r = shift;
    $r->header_out('Content-Encoding' => 'gzip');
    $r->send_http_header;
    return OK if $r->header_only;

    gzip $r->filename => '-', Minimal => 1
    or return DECLINED;

    return OK;
}

1;

The use of one-shot C<gzip> above just reads from C<< $r->filename >> and
writes the compressed data to standard output.

Note the use of the C<Minimal> option in the code above. When using gzip
for Content-Encoding you should I<always> use this option. In the example
above it will prevent the filename being included in the gzip header and
make the size of the gzip data stream a slight bit smaller.

=head2 Compressed files and Net::FTP

The C<Net::FTP> module provides two low-level methods called C<stor> and
C<retr> that both return filehandles. These filehandles can used with the
C<IO::Compress/Uncompress> modules to compress or uncompress files read
from or written to an FTP Server on the fly, without having to create a
temporary file.
Firstly, here is code that uses C<retr> to uncompressed a file as it is read from the FTP Server.

use Net::FTP;
use IO::Uncompress::Gunzip qw(:all);

my $ftp = new Net::FTP ...

my $retr_fh = $ftp->retr($compressed_filename);
gunzip $retr_fh => $outFilename, AutoClose => 1
    or die "Cannot uncompress '$compressed_file': $GunzipError
";

and this to compress a file as it is written to the FTP Server

use Net::FTP;
use IO::Compress::Gzip qw(:all);

my $stor_fh = $ftp->stor($filename);
gzip "filename" => $stor_fh, AutoClose => 1
    or die "Cannot compress '$filename': $GzipError
";

=head1 MISC

=head2 Using C<InputLength> to uncompress data embedded in a larger file/buffer.

A fairly common use-case is where compressed data is embedded in a larger file/buffer and you want to read both.

As an example consider the structure of a zip file. This is a well-defined file format that mixes both compressed and uncompressed sections of data in a single file.

For the purposes of this discussion you can think of a zip file as sequence of compressed data streams, each of which is prefixed by an uncompressed local header. The local header contains information about the compressed data stream, including the name of the compressed file and, in particular, the length of the compressed data stream.

To illustrate how to use C<InputLength> here is a script that walks a zip file and prints out how many lines are in each compressed file (if you intend write code to walking through a zip file for real see L<IO::Uncompress::Unzip/> ). Also, although this example uses the zlib-based compression, the technique can be used by the other C<IO::Uncompress::*> modules.

use strict;
use warnings;
use IO::File;
use IO::Uncompress::RawInflate qw(:all);

use constant ZIP_LOCAL_HDR_SIG => 0x04034b50;
use constant ZIP_LOCAL_HDR_LENGTH => 30;

my $file = $ARGV[0] ;

my $fh = new IO::File "<$file"
    or die "Cannot open '$file': $!
";

while (1)
{
    my $sig;
    my $buffer;

    my $x ;
    ($x = $fh->read($buffer, ZIP_LOCAL_HDR_LENGTH)) == ZIP_LOCAL_HDR_LENGTH
        or die "Truncated file: $!
"
    my $signature = unpack("V", substr($buffer, 0, 4));

    last unless $signature == ZIP_LOCAL_HDR_SIG;

    # Read Local Header
    my $gpFlag = unpack("v", substr($buffer, 6, 2));
    my $compressedMethod = unpack("v", substr($buffer, 8, 2));
    my $compressedLength = unpack("V", substr($buffer, 18, 4));
    my $uncompressedLength = unpack("V", substr($buffer, 22, 4));
    my $filename_length = unpack("v", substr($buffer, 26, 2));
    my $extra_length = unpack("v", substr($buffer, 28, 2));

    my $filename ;
    $fh->read($filename, $filename_length)
        or die "Truncated file
"
    $fh->read($buffer, $extra_length)
        or die "Truncated file
";

    if ($compressedMethod != 8 && $compressedMethod != 0)
    {
        warn "Skipping file '$filename' - not deflated $compressedMethod
"
        $fh->read($buffer, $compressedLength)
            or die "Truncated file
"
        next;
    }
if ($compressedMethod == 0 & & $gpFlag & 8 == 8)
{
    die "Streamed Stored not supported for '$filename'
;}

next if $compressedLength == 0;

# Done reading the Local Header

my $inf = new IO::Uncompress::RawInflate $fh,
    Transparent => 1,
    InputLength => $compressedLength
or die "Cannot uncompress $file [filename]: $RawInflateError\n"  ;

my $line_count = 0;

while (<$inf>)
{
    ++ $line_count;
}

print "$filename: $line_count\n";
}

The majority of the code above is concerned with reading the zip local
header data. The code that I want to focus on is at the bottom.

while (1) {

    # read local zip header data
    # get $filename
    # get $compressedLength

    my $inf = new IO::Uncompress::RawInflate $fh,
        Transparent => 1,
        InputLength => $compressedLength
    or die "Cannot uncompress $file [filename]: $RawInflateError\n"  ;

    my $line_count = 0;

    while (<$inf>)
    {
        ++ $line_count;
    }

    print "$filename: $line_count\n" ;
}
The call to C<IO::Uncompress::RawInflate> creates a new filehandle C<$inf> that can be used to read from the parent filehandle C<$fh>, uncompressing it as it goes. The use of the C<InputLength> option will guarantee that at most C<$compressedLength> bytes of compressed data will be read from the C<$fh> filehandle (The only exception is for an error case like a truncated file or a corrupt data stream).

This means that once RawInflate is finished C<$fh> will be left at the byte directly after the compressed data stream.

Now consider what the code looks like without C<InputLength>

```perl
while (1) {
    # read local zip header data
    # get $filename
    # get $compressedLength

    # read all the compressed data into $data
    read($fh, $data, $compressedLength);

    my $inf = new IO::Uncompress::RawInflate \$data,
            Transparent => 1,
        or die "Cannot uncompress $file [\$filename]: $RawInflateError\n" ;

    my $line_count = 0;

    while (<$inf>)
    {
        ++$line_count;
    }

    print "$filename: $line_count\n";
}
```

The difference here is the addition of the temporary variable C<$data>. This is used to store a copy of the compressed data while it is being uncompressed.

If you know that C<$compressedLength> isn't that big then using temporary storage won't be a problem. But if C<$compressedLength> is very large or you are writing an application that other people will use, and so have no idea how big C<$compressedLength> will be, it could be an issue.

Using C<InputLength> avoids the use of temporary storage and means the application can cope with large compressed data streams.

One final point -- obviously C<InputLength> can only be used whenever you
know the length of the compressed data beforehand, like here with a zip file.

=head1 SEE ALSO

L<Compress::Zlib>, L<IO::Compress::Gzip>, L<IO::Uncompress::Gunzip>, L<IO::Compress::Deflate>,
L<IO::Uncompress::Inflate>, L<IO::Compress::RawDeflate>, L<IO::Uncompress::RawInflate>,
L<IO::Compress::Bzip2>, L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>,
L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>, L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>,
L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>, L<IO::Uncompress::UnLzf>,
L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>

L<IO::Compress::FAQ|IO::Compress::FAQ>

L<File::GlobMapper|File::GlobMapper>, L<Archive::Zip|Archive::Zip>,
L<Archive::Tar|Archive::Tar>,
L<IO::Zlib|IO::Zlib>

=head1 AUTHOR

This module was written by Paul Marquess, C/pmqs@cpan.org/.

=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-
b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wq50iXxq/IO-Compress-
2.081/lib/IO/Compress/FAQ.pod
No license file was found, but licenses were detected in source scan.

=back

=head1 EXIT CODES

If all your tests passed, Test::Builder will exit with zero (which is normal). If anything failed it will exit with how many failed. If you run less (or more) tests than you planned, the missing (or extras) will be considered failures. If no tests were ever run Test::Builder
will throw a warning and exit with 255. If the test died, even after having successfully completed all its tests, it will still be considered a failure and will exit with 255.

So the exit codes are...

- 0: all tests successful
- 255: test died
- any other number: how many failed (including missing or extras)

If you fail more than 254 tests, it will be reported as 254.

B<NOTE> This behavior may go away in future versions.

=head1 CAVEATS and NOTES

=over 4

=item Backwards compatibility

Test::More works with Perls as old as 5.004_05.

=item Overloaded objects

String overloaded objects are compared B<as strings>. This prevents Test::More from piercing an object's interface allowing better blackbox testing. So if a function starts returning overloaded objects instead of bare strings your tests won't notice the difference. This is good.

However, it does mean that functions like is_deeply() cannot be used to test the internals of string overloaded objects. In this case I would suggest Test::Deep which contains more flexible testing functions for complex data structures.

=item Threads

Test::More will only be aware of threads if "use threads" has been done I<before> Test::More is loaded. This is ok:

  use threads;
  use Test::More;

This may cause problems:

  use Test::More
use threads;

=item Test::Harness upgrade

no_plan and todo depend on new Test::Harness features and fixes. If you're going to distribute tests that use no_plan or todo your end-users will have to upgrade Test::Harness to the latest one on CPAN. If you avoid no_plan and TODO tests, the stock Test::Harness will work fine.

Installing Test::More should also upgrade Test::Harness.

=back

=head1 HISTORY

This is a case of convergent evolution with Joshua Pritikin's Test module. I was largely unaware of its existence when I'd first written my own ok() routines. This module exists because I can't figure out how to easily wedge test names into Test's interface (along with a few other problems).

The goal here is to have a testing utility that's simple to learn, quick to use and difficult to trip yourself up with while still providing more flexibility than the existing Test.pm. As such, the names of the most common routines are kept tiny, special cases and magic side-effects are kept to a minimum. WYSIWYG.

=head1 SEE ALSO

L<Test::Simple> if all this confuses you and you just want to write some tests. You can upgrade to Test::More later (it's forward compatible).

L<Test> is the old testing module. Its main benefit is that it has been distributed with Perl since 5.004_05.

L<Test::Harness> for details on how your test results are interpreted by Perl.

L<Test::Differences> for more ways to test complex data structures. And it plays well with Test::More.

L<Test::Class> is like XUnit but more perlish.
L<Test::Deep> gives you more powerful complex data structure testing.

L<Test::Unit> is XUnit style testing.

L<Test::Inline> shows the idea of embedded testing.

L<Bundle::Test> installs a whole bunch of useful test modules.

=head1 AUTHORS

Michael G Schwern <schwern@pobox.com> with much inspiration from Joshua Pritikin's Test module and lots of help from Barrie Slaymaker, Tony Bowden, blackstar.co.uk, chromatic, Fergal Daly and the perl-qa gang.

=head1 BUGS

See F<http://rt.cpan.org> to report and view bugs.

=head1 COPYRIGHT


This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

See F<http://www.perl.com/perl/misc/Artistic.html>

=cut

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-
b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-2.081/t/Test/More.pm

No license file was found, but licenses were detected in source scan.

=head1 NAME

IO::Uncompress::RawInflate - Read RFC 1951 files/buffers

=head1 SYNOPSIS

use IO::Uncompress::RawInflate qw(rawinflate $RawInflateError) ;

my $status = rawinflate $input => $output [,OPTS]
    or die "rawinflate failed: $RawInflateError\n";
my $z = new IO::Uncompress::RawInflate $input [OPTS]
    or die "rawinflate failed: $RawInflateError\n";

$status = $z->read($buffer)
$status = $z->read($buffer, $length)
$status = $z->read($buffer, $length, $offset)
$line = $z->getline()
$char = $z->getc()
$char = $z->ungetc()
$char = $z->opened()

$status = $z->inflateSync()

$data = $z->trailingData()
$status = $z->nextStream()
$data = $z->getHeaderInfo()
$z->tell()
$z->seek($position, $where)
$z->binmode()
$z->fileno()
$z->eof()
$z->close()

$RawInflateError ;

# IO::File mode

<$z>
read($z, $buffer);
read($z, $buffer, $length);
read($z, $buffer, $length, $offset);
tell($z)
seek($z, $position, $where)
bine($z)
fileno($z)
eof($z)
close($z)

=head1 DESCRIPTION

This module provides a Perl interface that allows the reading of
files/buffers that conform to RFC 1951.

For writing RFC 1951 files/buffers, see the companion module IO::Compress::RawDeflate.

=head1 Functional Interface
A top-level function, C<rawinflate>, is provided to carry out “one-shot” uncompression between buffers and/or files. For finer control over the uncompression process, see the L</"OO Interface”> section.

use IO::Uncompress::RawInflate qw(rawinflate $RawInflateError) ;

rawinflate $input_filename_or_reference => $output_filename_or_reference [,OPTS]
    or die "rawinflate failed: $RawInflateError\n";

The functional interface needs Perl5.005 or better.

=head2 rawinflate $input_filename_or_reference => $output_filename_or_reference [, OPTS]

C<rawinflate> expects at least two parameters, C<$input_filename_or_reference> and C<$output_filename_or_reference>.

=head3 The C<$input_filename_or_reference> parameter

The parameter, C<$input_filename_or_reference>, is used to define the source of the compressed data.

It can take one of the following forms:

=over 5
=item A filename

If the C<$input_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for reading and the input data will be read from it.

=item A filehandle

If the C<$input_filename_or_reference> parameter is a filehandle, the input data will be read from it. The string '-' can be used as an alias for standard input.

=item A scalar reference

If C<$input_filename_or_reference> is a scalar reference, the input data will be read from C<$$input_filename_or_reference>.

=item An array reference

If C<$input_filename_or_reference> is an array reference, each element in the array must be a filename.
The input data will be read from each file in turn.

The complete array will be walked to ensure that it only contains valid filenames before any data is uncompressed.

=item An Input FileGlob string

If C<$input_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<rawinflate> will assume that it is an I<input fileglob string>. The input is the list of files that match the fileglob.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the C<$input_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head3 The C<$output_filename_or_reference> parameter

The parameter C<$output_filename_or_reference> is used to control the destination of the uncompressed data. This parameter can take one of these forms.

=over 5

=item A filename

If the C<$output_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the uncompressed data will be written to it.

=item A filehandle

If the C<$output_filename_or_reference> parameter is a filehandle, the uncompressed data will be written to it. The string '-' can be used as an alias for standard output.

=item A scalar reference

If C<$output_filename_or_reference> is a scalar reference, the uncompressed data will be stored in C<$output_filename_or_reference>.

=item An Array Reference

If C<$output_filename_or_reference> is an array reference, the uncompressed data will be pushed onto the array.
If C<$output_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<rawinflate> will assume that it is an I<output fileglob string>. The output is the list of files that match the fileglob.

When C<$output_filename_or_reference> is a fileglob string, C<$input_filename_or_reference> must also be a fileglob string. Anything else is an error.

See L<File::GlobMapper|File::GlobMapper> for more details.

If the C<$output_filename_or_reference> parameter is any other type, C<undef> will be returned.

Notes

When C<$input_filename_or_reference> maps to multiple compressed files/buffers and C<$output_filename_or_reference> is a single file/buffer, after uncompression C<$output_filename_or_reference> will contain a concatenation of all the uncompressed data from each of the input files/buffers.

Optional Parameters

Unless specified below, the optional parameters for C<rawinflate>, C<OPTS>, are the same as those used with the OO interface defined in the L</"Constructor Options"> section below.

AutoClose => 0|1 >>

This option applies to any input or output data streams to C<rawinflate> that are filehandles.

If C<AutoClose> is specified, and the value is true, it will result in all input and/or output filehandles being closed once C<rawinflate> has completed.

This parameter defaults to 0.
When writing to a file or filehandle, set C<binmode> before writing to the file.

Defaults to 0.

=item C<< Append => 0|1 >>

The behaviour of this option is dependent on the type of output data stream.

=over 5

=item * A Buffer

If C<Append> is enabled, all uncompressed data will be appended to the end of the output buffer. Otherwise the output buffer will be cleared before any uncompressed data is written to it.

=item * A Filename

If C<Append> is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any uncompressed data is written to it.

=item * A Filehandle

If C<Append> is enabled, the filehandle will be positioned to the end of the file via a call to C<seek> before any uncompressed data is written to it. Otherwise the file pointer will not be moved.

=back

When C<Append> is specified, and set to true, it will append all uncompressed data to the output data stream.

So when the output is a filehandle it will carry out a seek to the eof before writing any uncompressed data. If the output is a filename, it will be opened for appending. If the output is a buffer, all uncompressed data will be appended to the existing buffer.

Conversely when C<Append> is not specified, or it is present and is set to false, it will operate as follows.

When the output is a filename, it will truncate the contents of the file before writing any uncompressed data. If the output is a filehandle its position will not be changed. If the output is a buffer, it will be wiped before any uncompressed data is output.
Defaults to 0.

=item C<< MultiStream => 0|1 >>

This option is a no-op.

=item C<< TrailingData => $scalar >>

Returns the data, if any, that is present immediately after the compressed data stream once uncompression is complete.

This option can be used when there is useful information immediately following the compressed data stream, and you don't know the length of the compressed data stream.

If the input is a buffer, C<trailingData> will return everything from the end of the compressed data stream to the end of the buffer.

If the input is a filehandle, C<trailingData> will return the data that is left in the filehandle input buffer once the end of the compressed data stream has been reached. You can then use the filehandle to read the rest of the input file.

Don't bother using C<trailingData> if the input is a filename.

If you know the length of the compressed data stream before you start uncompressing, you can avoid having to use C<trailingData> by setting the C<InputLength> option.

=back

=head2 Examples

To read the contents of the file C<file1.txt.1951> and write the uncompressed data to the file C<file1.txt>.

    use strict ;
    use warnings ;
    use IO::Uncompress::RawInflate qw(rawinflate $RawInflateError) ;

    my $input = "file1.txt.1951";
    my $output = "file1.txt";
    rawinflate $input => $output
        or die "rawinflate failed: $RawInflateError\n";

To read from an existing Perl filehandle, C<$input>, and write the uncompressed data to a buffer, C<$buffer>.
use strict;
use warnings;
use IO::Uncompress::RawInflate qw(rawinflate $RawInflateError);
use IO::File;

my $input = new IO::File "<file1.txt.1951"
   or die "Cannot open 'file1.txt.1951': $!
   \n"
my $buffer;
rawinflate $input => \$buffer
   or die "rawinflate failed: $RawInflateError\n";

To uncompress all files in the directory "/my/home" that match "*.txt.1951" and store the compressed data in the same directory

use strict;
use warnings;
use IO::Uncompress::RawInflate qw(rawinflate $RawInflateError);

rawinflate '<my/home/*.txt.1951>' => '<my/home/#1.txt>'
   or die "rawinflate failed: $RawInflateError\n";

and if you want to compress each file one at a time, this will do the trick

use strict;
use warnings;
use IO::Uncompress::RawInflate qw(rawinflate $RawInflateError);

for my $input ( glob "/my/home/*.txt.1951" )
{
    my $output = $input;
    $output =~ s/.1951//;
    rawinflate $input => $output
       or die "Error compressing '$input': $RawInflateError\n";
}

=head1 OO Interface

=head2 Constructor

The format of the constructor for IO::Uncompress::RawInflate is shown below

my $z = new IO::Uncompress::RawInflate $input [OPTS]
   or die "IO::Uncompress::RawInflate failed: $RawInflateError\n";

Returns an C<IO::Uncompress::RawInflate> object on success and undef on failure. The variable C<$RawInflateError> will contain an error message on failure.

If you are running Perl 5.005 or better the object, C<$z>, returned from
IO::Uncompress::RawInflate can be used exactly like an L<IO::File|IO::File> filehandle. This means that all normal input file operations can be carried out with C<$z>. For example, to read a line from a compressed file/buffer you can use either of these forms

```perl
$line = $z->getline();
$line = <$z>;
```

The mandatory parameter C<$input> is used to determine the source of the compressed data. This parameter can take one of three forms.

=over 5

=item A filename

If the C<$input> parameter is a scalar, it is assumed to be a filename. This file will be opened for reading and the compressed data will be read from it.

=item A filehandle

If the C<$input> parameter is a filehandle, the compressed data will be read from it. The string '-' can be used as an alias for standard input.

=item A scalar reference

If C<$input> is a scalar reference, the compressed data will be read from C<$$input>.

=back

=head2 Constructor Options

The option names defined below are case insensitive and can be optionally prefixed by a `-' . So all of the following are valid

- AutoClose
- autoclose
  AUTOCLOSE
  autoclose

OPTS is a combination of the following options:

=over 5

=item C<< AutoClose => 0|1 >>

This option is only valid when the C<$input> parameter is a filehandle. If
specified, and the value is true, it will result in the file being closed once either the C<close> method is called or the IO::Uncompress::RawInflate object is destroyed.

This parameter defaults to 0.

=item C<< MultiStream => 0|1 >>

Allows multiple concatenated compressed streams to be treated as a single compressed stream. Decompression will stop once either the end of the file/buffer is reached, an error is encountered (premature eof, corrupt compressed data) or the end of a stream is not immediately followed by the start of another stream.

This parameter defaults to 0.

=item C<< Prime => $string >>

This option will uncompress the contents of C<$string> before processing the input file/buffer.

This option can be useful when the compressed data is embedded in another file/data structure and it is not possible to work out where the compressed data begins without having to read the first few bytes. If this is the case, the uncompression can be I<primed> with these bytes using this option.

=item C<< Transparent => 0|1 >>

If this option is set and the input file/buffer is not compressed data, the module will allow reading of it anyway.

In addition, if the input file/buffer does contain compressed data and there is non-compressed data immediately following it, setting this option will make this module treat the whole file/buffer as a single data stream.

This option defaults to 1.

=item C<< BlockSize => $num >>

When reading the compressed input data, IO::Uncompress::RawInflate will read it in blocks of C<$num> bytes.

This option defaults to 4096.

=item C<< InputLength => $size >>

When present this option will limit the number of compressed bytes read
from the input file/buffer to C<$size>. This option can be used in the
tsituation where there is useful data directly after the compressed data
stream and you know beforehand the exact length of the compressed data
stream.

This option is mostly used when reading from a filehandle, in which case
the file pointer will be left pointing to the first byte directly after the
compressed data stream.

This option defaults to off.

=item C<< Append => 0|1 >>

This option controls what the C<read> method does with uncompressed data.

If set to 1, all uncompressed data will be appended to the output parameter
of the C<read> method.

If set to 0, the contents of the output parameter of the C<read> method
will be overwritten by the uncompressed data.

Defaults to 0.

=item C<< Strict => 0|1 >>

This option is a no-op.

=back

=head2 Examples

TODO

=head1 Methods

=head2 read

Usage is

$status = $z->read($buffer)

Reads a block of compressed data (the size of the compressed block is
determined by the C<Buffer> option in the constructor), uncompresses it and
writes any uncompressed data into C<$buffer>. If the C<Append> parameter is
set in the constructor, the uncompressed data will be appended to the
C<$buffer> parameter. Otherwise C<$buffer> will be overwritten.

Returns the number of uncompressed bytes written to C<$buffer>, zero if eof
or a negative number on error.

=head2 read

Usage is

$status = $z->read($buffer, $length)
$status = $z->read($buffer, $length, $offset)

$status = read($z, $buffer, $length)
$status = read($z, $buffer, $length, $offset)

Attempt to read C<$length> bytes of uncompressed data into C<$buffer>.

The main difference between this form of the C<read> method and the previous one, is that this one will attempt to return I<exactly> C<$length> bytes. The only circumstances that this function will not is if end-of-file or an IO error is encountered.

Returns the number of uncompressed bytes written to C<$buffer>, zero if eof or a negative number on error.

=head2 getline

Usage is

$line = $z->getline()
$line = <$z>

Reads a single line.

This method fully supports the use of the variable C<$/> (or C<$INPUT_RECORD_SEPARATOR> or C<$RS> when C<English> is in use) to determine what constitutes an end of line. Paragraph mode, record mode and file slurp mode are all supported.

=head2 getc

Usage is

$char = $z->getc()

Read a single character.

=head2 ungetc

Usage is
$char = $z->ungetc($string)

=head2 inflateSync

Usage is

$status = $z->inflateSync()

TODO

=head2 getHeaderInfo

Usage is

$hdr = $z->getHeaderInfo();
@hdrs = $z->getHeaderInfo();

This method returns either a hash reference (in scalar context) or a list
or hash references (in array context) that contains information about each
of the header fields in the compressed data stream(s).

=head2 tell

Usage is

$z->tell()
tell $z

Returns the uncompressed file offset.

=head2 eof

Usage is

$z->eof();
eof($z);

Returns true if the end of the compressed input stream has been reached.

=head2 seek

$z->seek($position, $whence);
seek($z, $position, $whence);

Provides a sub-set of the C<seek> functionality, with the restriction
that it is only legal to seek forward in the input file/buffer.
It is a fatal error to attempt to seek backward.
Note that the implementation of C<seek> in this module does not provide true random access to a compressed file/buffer. It works by uncompressing data from the current offset in the file/buffer until it reaches the uncompressed offset specified in the parameters to C<seek>. For very small files this may be acceptable behaviour. For large files it may cause an unacceptable delay.

The C<$whence> parameter takes one the usual values, namely SEEK_SET, SEEK_CUR or SEEK_END.

Returns 1 on success, 0 on failure.

=head2 binmode

Usage is

   $z->binmode
   binmode $z ;

This is a noop provided for completeness.

=head2 opened

   $z->opened()

Returns true if the object currently refers to a opened file/buffer.

=head2 autoflush

   my $prev = $z->autoflush()
   my $prev = $z->autoflush(EXPR)

If the C<$z> object is associated with a file or a filehandle, this method returns the current autoflush setting for the underlying filehandle. If C<EXPR> is present, and is non-zero, it will enable flushing after every write/print operation.

If C<$z> is associated with a buffer, this method has no effect and always returns C<undef>.

B<Note> that the special variable C<$|> B<cannot> be used to set or retrieve the autoflush setting.

=head2 input_line_number

   $z->input_line_number()
   $z->input_line_number(EXPR)
Returns the current uncompressed line number. If C<EXPR> is present it has
the effect of setting the line number. Note that setting the line number
does not change the current position within the file/buffer being read.

The contents of C<$/> are used to determine what constitutes a line
terminator.

=head2 fileno

$z->fileno()
fileno($z)

If the C<$z> object is associated with a file or a filehandle, C<fileno>
will return the underlying file descriptor. Once the C<close> method is
called C<fileno> will return C<undef>.

If the C<$z> object is associated with a buffer, this method will return
C<undef>.

=head2 close

$z->close()
close $z

Closes the output file/buffer.

For most versions of Perl this method will be automatically invoked if
the IO::Uncompress::RawInflate object is destroyed (either explicitly or by the
variable with the reference to the object going out of scope). The
exceptions are Perl versions 5.005 through 5.00504 and 5.8.0. In
these cases, the C<close> method will be called automatically, but
not until global destruction of all live objects when the program is
terminating.

Therefore, if you want your scripts to be able to run on all versions
of Perl, you should call C<close> explicitly and not rely on automatic
closing.

Returns true on success, otherwise 0.

If the C<AutoClose> option has been enabled when the IO::Uncompress::RawInflate
object was created, and the object is associated with a file, the
underlying file will also be closed.

=head2 nextStream

Usage is
my $status = $z->nextStream();

Skips to the next compressed data stream in the input file/buffer. If a new compressed data stream is found, the eof marker will be cleared and C<$.$> will be reset to 0.

Returns 1 if a new stream was found, 0 if none was found, and -1 if an error was encountered.

=head2 trailingData

Usage is

my $data = $z->trailingData();

Returns the data, if any, that is present immediately after the compressed data stream once uncompression is complete. It only makes sense to call this method once the end of the compressed data stream has been encountered.

This option can be used when there is useful information immediately following the compressed data stream, and you don't know the length of the compressed data stream.

If the input is a buffer, C<trailingData> will return everything from the end of the compressed data stream to the end of the buffer.

If the input is a filehandle, C<trailingData> will return the data that is left in the filehandle input buffer once the end of the compressed data stream has been reached. You can then use the filehandle to read the rest of the input file.

Don't bother using C<trailingData> if the input is a filename.

If you know the length of the compressed data stream before you start uncompressing, you can avoid having to use C<trailingData> by setting the C<InputLength> option in the constructor.

=head1 Importing

No symbolic constants are required by this IO::Uncompress::RawInflate at present.

=over 5

=item :all

Imports C<rawinflate> and C<$RawInflateError>.

Same as doing this
use IO::Uncompress::RawInflate qw(rawinflate $RawInflateError)

=head1 EXAMPLES

=head2 Working with Net::FTP

See L<IO::Compress::FAQ|IO::Compress::FAQ/"Compressed files and Net::FTP">

=head1 SEE ALSO

L<Compress::Zlib>, L<IO::Compress::Gzip>, L<IO::Uncompress::Gunzip>, L<IO::Compress::Deflate>,
L<IO::Uncompress::Inflate>, L<IO::Compress::RawDeflate>, L<IO::Compress::Bzip2>,
L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>, L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>,
L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>, L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>,
L<IO::Uncompress::UnLzf>, L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>

L<IO::Compress::FAQ|IO::Compress::FAQ>

L<File::GlobMapper|File::GlobMapper>, L<Archive::Zip|Archive::Zip>,
L<Archive::Tar|Archive::Tar>,
L<IO::Zlib|IO::Zlib>

For RFC 1950, 1951 and 1952 see
L<http://www.faqs.org/rfcs/rfc1950.html>,
L<http://www.faqs.org/rfcs/rfc1951.html> and

The L<zlib> compression library was written by Jean-loup Gailly
C<gzip@prep.ai.mit.edu> and Mark Adler C<madler@alumni.caltech.edu>.

The primary site for the L<zlib> compression library is

The primary site for gzip is L<http://www.gzip.org>.

=head1 AUTHOR

This module was written by Paul Marquess, C<pmqs@cpan.org>.

=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE
=head1 NAME

IO::Compress::Deflate - Write RFC 1950 files/buffers

=head1 SYNOPSIS

use IO::Compress::Deflate qw(deflate $DeflateError) ;

my $status = deflate $input => $output [,OPTS]
       or die "deflate failed: $DeflateError\n";

my $z = new IO::Compress::Deflate $output [,OPTS]
       or die "deflate failed: $DeflateError\n";

$z->print($string);
$z->printf($format, $string);
$z->write($string);
$z->syswrite($string [, $length, $offset]);
$z->flush();
$z->tell();
$z->eof();
$z->seek($position, $whence);
$z->binmode();
$z->fileno();
$z->opened();
$z->autoflush();
$z->input_line_number();
$z->newStream( [OPTS] );

$z->deflateParams();

$z->close() ;

$DeflateError ;

# IO::File mode
print $z $string;
printf $z $format, $string;
tell $z
eof $z
seek $z, $position, $whence
binmode $z
fileno $z
close $z;

=head1 DESCRIPTION

This module provides a Perl interface that allows writing compressed
data to files or buffer as defined in RFC 1950.

For reading RFC 1950 files/buffers, see the companion module
L<IO::Uncompress::Inflate|IO::Uncompress::Inflate>.

=head1 Functional Interface

A top-level function, C<deflate>, is provided to carry out
"one-shot" compression between buffers and/or files. For finer
control over the compression process, see the L</"OO Interface">
section.

use IO::Compress::Deflate qw(deflate $DeflateError) ;

deflate $input_filename_or_reference => $output_filename_or_reference [,OPTS]
or die "deflate failed: $DeflateError\n";

The functional interface needs Perl5.005 or better.

=head2 deflate $input_filename_or_reference => $output_filename_or_reference [, OPTS]

C<deflate> expects at least two parameters,
C<$input_filename_or_reference> and C<$output_filename_or_reference>.

=head3 The C<$input_filename_or_reference> parameter

The parameter, C<$input_filename_or_reference>, is used to define the
source of the uncompressed data.

It can take one of the following forms:

=over 5
=item A filename
If the `<input_filename_or_reference>` parameter is a simple scalar, it is assumed to be a filename. This file will be opened for reading and the input data will be read from it.

=item A filehandle

If the `$input_filename_or_reference` parameter is a filehandle, the input data will be read from it. The string '-' can be used as an alias for standard input.

=item A scalar reference

If `$input_filename_or_reference` is a scalar reference, the input data will be read from `$input_filename_or_reference`.

=item An array reference

If `$input_filename_or_reference` is an array reference, each element in the array must be a filename.

The input data will be read from each file in turn.

The complete array will be walked to ensure that it only contains valid filenames before any data is compressed.

=item An Input FileGlob string

If `$input_filename_or_reference` is a string that is delimited by the characters "<" and ">" `$deflate` will assume that it is an Input fileglob string. The input is the list of files that match the fileglob.

See L<File::GlobMapper> for more details.

=back

If the `$input_filename_or_reference` parameter is any other type, `undef` will be returned.

=head3 The `$output_filename_or_reference` parameter

The parameter `$output_filename_or_reference` is used to control the destination of the compressed data. This parameter can take one of these forms.

=over 5

=item A filename


If the \texttt{output_filename_or_reference} parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the compressed data will be written to it.

\begin{itemize}
\item A filehandle
\end{itemize}

If the \texttt{output_filename_or_reference} parameter is a filehandle, the compressed data will be written to it. The string ‘-’ can be used as an alias for standard output.

\begin{itemize}
\item A scalar reference
\end{itemize}

If \texttt{output_filename_or_reference} is a scalar reference, the compressed data will be stored in \texttt{output_filename_or_reference}.

\begin{itemize}
\item An Array Reference
\end{itemize}

If \texttt{output_filename_or_reference} is an array reference, the compressed data will be pushed onto the array.

\begin{itemize}
\item An Output FileGlob
\end{itemize}

If \texttt{output_filename_or_reference} is a string that is delimited by the characters "<" and ">" \texttt{deflate} will assume that it is a fileglob string. The output is the list of files that match the fileglob.

When \texttt{output_filename_or_reference} is a fileglob string, \texttt{input_filename_or_reference} must also be a fileglob string. Anything else is an error.

See \texttt{File::GlobMapper} for more details.

\begin{itemize}
\item back
\end{itemize}

If the \texttt{output_filename_or_reference} parameter is any other type, \texttt{undef} will be returned.

\begin{itemize}
\item Notes
\end{itemize}

When \texttt{input_filename_or_reference} maps to multiple files/buffers and \texttt{output_filename_or_reference} is a single file/buffer the input files/buffers will be stored in \texttt{output_filename_or_reference} as a concatenated series of compressed data streams.
Unless specified below, the optional parameters for `C<deflate>`, `C<OPTS>`, are the same as those used with the OO interface defined in the L<"Constructor Options"> section below.

=over 5

=item C<< AutoClose => 0|1 >>

This option applies to any input or output data streams to `C<deflate>` that are filehandles.

If `C<AutoClose>` is specified, and the value is true, it will result in all input and/or output filehandles being closed once `C<deflate>` has completed.

This parameter defaults to 0.

=item C<< BinModeIn => 0|1 >>

When reading from a file or filehandle, set `C<binmode>` before reading.

Defaults to 0.

=item C<< Append => 0|1 >>

The behaviour of this option is dependent on the type of output data stream.

=over 5

=item * A Buffer

If `C<Append>` is enabled, all compressed data will be append to the end of the output buffer. Otherwise the output buffer will be cleared before any compressed data is written to it.

=item * A Filename

If `C<Append>` is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any compressed data is written to it.

=item * A Filehandle

If `C<Append>` is enabled, the filehandle will be positioned to the end of the file via a call to `C<seek>` before any compressed data is written to it. Otherwise the file pointer will not be moved.
When C<Append> is specified, and set to true, it will I<append> all compressed data to the output data stream.

So when the output is a filehandle it will carry out a seek to the eof before writing any compressed data. If the output is a filename, it will be opened for appending. If the output is a buffer, all compressed data will be appended to the existing buffer.

Conversely when C<Append> is not specified, or it is present and is set to false, it will operate as follows.

When the output is a filename, it will truncate the contents of the file before writing any compressed data. If the output is a filehandle its position will not be changed. If the output is a buffer, it will be wiped before any compressed data is output.

Defaults to 0.

=head2 Examples

To read the contents of the file C<file1.txt> and write the compressed data to the file C<file1.txt.1950>.

    use strict ;
    use warnings ;
    use IO::Compress::Deflate qw(deflate $DeflateError) ;

    my $input = "file1.txt";
    deflate $input => "$input.1950"
        or die "deflate failed: $DeflateError\n";

To read from an existing Perl filehandle, C<$input>, and write the compressed data to a buffer, C<$buffer>.

    use strict ;
    use warnings ;
    use IO::Compress::Deflate qw(deflate $DeflateError) ;
    use IO::File ;

    my $input = new IO::File "<file1.txt"
        or die "Cannot open 'file1.txt': $!\n" ;
    my $buffer ;
    deflate $input => $buffer
        or die "deflate failed: $DeflateError\n";
To compress all files in the directory "/my/home" that match "*.txt" and store the compressed data in the same directory

```perl
use strict ;
use warnings ;
use IO::Compress::Deflate qw(deflate $DeflateError) ;

deflate '</my/home/*.txt>' => '<*.1950>'
    or die "deflate failed: $DeflateError\n";
```

and if you want to compress each file one at a time, this will do the trick

```perl
use strict ;
use warnings ;
use IO::Compress::Deflate qw(deflate $DeflateError) ;

for my $input ( glob "/my/home/*.txt" )
{
    my $output = "$input.1950" ;
    deflate $input => $output
        or die "Error compressing $input': $DeflateError\n";
}
```

=head1 OO Interface

=head2 Constructor

The format of the constructor for C<IO::Compress::Deflate> is shown below

```perl
my $z = new IO::Compress::Deflate $output [,OPTS]
    or die "IO::Compress::Deflate failed: $DeflateError\n";
```

It returns an C<IO::Compress::Deflate> object on success and undef on failure.
The variable C<$DeflateError> will contain an error message on failure.

If you are running Perl 5.005 or better the object, C<$z>, returned from
IO::Compress::Deflate can be used exactly like an L<IO::File|IO::File> filehandle.
This means that all normal output file operations can be carried out
with C<$z>.
For example, to write to a compressed file/buffer you can use either of
these forms

```perl
$z->print("hello world\n");
print $z "hello world\n";
```

The mandatory parameter C<$output> is used to control the destination
of the compressed data. This parameter can take one of these forms.
=over 5

=item A filename

If the C<$output> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the compressed data will be written to it.

=item A filehandle

If the C<$output> parameter is a filehandle, the compressed data will be written to it. The string '-' can be used as an alias for standard output.

=item A scalar reference

If C<$output> is a scalar reference, the compressed data will be stored in C<$output>.

=back

If the C<$output> parameter is any other type, C<IO::Compress::Deflate>::new will return undef.

=head2 Constructor Options

C<OPTS> is any combination of the following options:

=over 5

=item C<<AutoClose => 0|1 >>

This option is only valid when the C<$output> parameter is a filehandle. If specified, and the value is true, it will result in the C<$output> being closed once either the C<close> method is called or the C<IO::Compress::Deflate> object is destroyed.

This parameter defaults to 0.

=item C<<Append => 0|1 >>

Opens C<$output> in append mode.

The behaviour of this option is dependent on the type of C<$output>.

=over 5
=item * A Buffer

If C<$output> is a buffer and C<Append> is enabled, all compressed data will be append to the end of C<$output>. Otherwise C<$output> will be cleared before any data is written to it.

=item * A Filename

If C<$output> is a filename and C<Append> is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any compressed data is written to it.

=item * A Filehandle

If C<$output> is a filehandle, the file pointer will be positioned to the end of the file via a call to C<seek> before any compressed data is written to it. Otherwise the file pointer will not be moved.

=back

This parameter defaults to 0.

=item C<< Merge => 0|1 >>

This option is used to compress input data and append it to an existing compressed data stream in C<$output>. The end result is a single compressed data stream stored in C<$output>.

It is a fatal error to attempt to use this option when C<$output> is not an RFC 1950 data stream.

There are a number of other limitations with the C<Merge> option:

=over 5

=item 1

This module needs to have been built with zlib 1.2.1 or better to work. A fatal error will be thrown if C<Merge> is used with an older version of zlib.

=item 2

If C<$output> is a file or a filehandle, it must be seekable.

=back

This parameter defaults to 0.
=item -Level

Defines the compression level used by zlib. The value should either be a number between 0 and 9 (0 means no compression and 9 is maximum compression), or one of the symbolic constants defined below.

Z_NO_COMPRESSION
Z_BEST_SPEED
Z_BEST_COMPRESSION
Z_DEFAULT_COMPRESSION

The default is Z_DEFAULT_COMPRESSION.

Note, these constants are not imported by C<IO::Compress::Deflate> by default.

use IO::Compress::Deflate qw(:strategy);
use IO::Compress::Deflate qw(:constants);
use IO::Compress::Deflate qw(:all);

=back

=head2 Examples

TODO

=head1 Methods

=head2 print

Usage is
$z->print($data)
print $z $data

Compresses and outputs the contents of the $data parameter. This has the same behaviour as the print built-in.

Returns true if successful.

=head2 printf

Usage is

$z->printf($format, $data)
printf $z $format, $data

Compresses and outputs the contents of the $data parameter.

Returns true if successful.

=head2 syswrite

Usage is

$z->syswrite $data
$z->syswrite $data, $length
$z->syswrite $data, $length, $offset

Compresses and outputs the contents of the $data parameter.

Returns the number of uncompressed bytes written, or undef if unsuccessful.

=head2 write

Usage is

$z->write $data
$z->write $data, $length
$z->write $data, $length, $offset

Compresses and outputs the contents of the $data parameter.

Returns the number of uncompressed bytes written, or undef if unsuccessful.

=head2 flush
Usage is

$z->flush;
$z->flush($flush_type);

Flushes any pending compressed data to the output file/buffer.

This method takes an optional parameter, C<$flush_type>, that controls how the flushing will be carried out. By default the C<$flush_type> used is C<Z_FINISH>. Other valid values for C<$flush_type> are C<Z_NO_FLUSH>, C<Z_SYNC_FLUSH>, C<Z_FULL_FLUSH> and C<Z_BLOCK>. It is strongly recommended that you only set the C<flush_type> parameter if you fully understand the implications of what it does - overuse of C<flush> can seriously degrade the level of compression achieved. See the C<zlib> documentation for details.

Returns true on success.

=head2 tell

Usage is

$z->tell()
tell $z

Returns the uncompressed file offset.

=head2 eof

Usage is

$z->eof();
eof($z);

Returns true if the C<close> method has been called.

=head2 seek

$z->seek($position, $whence);
seek($z, $position, $whence);

Provides a sub-set of the C<seek> functionality, with the restriction that it is only legal to seek forward in the output file/buffer. It is a fatal error to attempt to seek backward.

Empty parts of the file/buffer will have NULL (0x00) bytes written to them.

The C<$whence> parameter takes one the usual values, namely SEEK_SET,
SEEK_CUR or SEEK_END.

Returns 1 on success, 0 on failure.

=head2 binmode

Usage is

$z->binmode
binmode $z;

This is a noop provided for completeness.

=head2 opened

$z->opened()

Returns true if the object currently refers to a opened file/buffer.

=head2 autoflush

my $prev = $z->autoflush()
my $prev = $z->autoflush(EXPR)

If the C<$z> object is associated with a file or a filehandle, this method returns the current autoflush setting for the underlying filehandle. If C<$EXPR> is present, and is non-zero, it will enable flushing after every write/print operation.

If C<$z> is associated with a buffer, this method has no effect and always returns C<undef>.

B<Note> that the special variable C<$|> B<cannot> be used to set or retrieve the autoflush setting.

=head2 input_line_number

$z->input_line_number()
$z->input_line_number(EXPR)

This method always returns C<undef> when compressing.

=head2 fileno

$z->fileno()
fileno($z)

If the C<$z> object is associated with a file or a filehandle, C<fileno>
will return the underlying file descriptor. Once the C<close> method is called C<fileno> will return C<undef>.

If the C<$z> object is associated with a buffer, this method will return C<undef>.

=head2 close

$z->close() ;
close $z ;

Flushes any pending compressed data and then closes the output file/buffer.

For most versions of Perl this method will be automatically invoked if the IO::Compress::Deflate object is destroyed (either explicitly or by the variable with the reference to the object going out of scope). The exceptions are Perl versions 5.005 through 5.00504 and 5.8.0. In these cases, the C<close> method will be called automatically, but not until global destruction of all live objects when the program is terminating.

Therefore, if you want your scripts to be able to run on all versions of Perl, you should call C<close> explicitly and not rely on automatic closing.

Returns true on success, otherwise 0.

If the C<AutoClose> option has been enabled when the IO::Compress::Deflate object was created, and the object is associated with a file, the underlying file will also be closed.

=head2 newStream([OPTS])

Usage is

$z->newStream( [OPTS] )

Closes the current compressed data stream and starts a new one.

OPTS consists of any of the options that are available when creating the C<$z> object.

See the L</"Constructor Options"> section for more details.

=head2 deflateParams

Usage is
$z->deflateParams

TODO

=head1 Importing

A number of symbolic constants are required by some methods in
C<IO::Compress::Deflate>. None are imported by default.

=item :all

Imports C<deflate>, C<$DeflateError> and all symbolic
constants that can be used by C<IO::Compress::Deflate>. Same as doing this

    use IO::Compress::Deflate qw(deflate $DeflateError :constants) ;

=item :constants

Import all symbolic constants. Same as doing this

    use IO::Compress::Deflate qw(:flush :level :strategy) ;

=item :flush

These symbolic constants are used by the C<flush> method.

    Z_NO_FLUSH
    Z_PARTIAL_FLUSH
    Z_SYNC_FLUSH
    Z_FULL_FLUSH
    Z_FINISH
    Z_BLOCK

=item :level

These symbolic constants are used by the C<Level> option in the constructor.

    Z_NO_COMPRESSION
    Z_BEST_SPEED
    Z_BEST_COMPRESSION
    Z_DEFAULT_COMPRESSION

=item :strategy

These symbolic constants are used by the C<Strategy> option in the constructor.
Z_FILTERED
Z_HUFFMAN_ONLY
Z_RLE
Z_FIXED
Z_DEFAULT_STRATEGY

=head1 EXAMPLES

=head2 Apache::GZip Revisited

See L<IO::Compress::FAQ/IO::Compress::FAQ/"Apache::GZip Revisited">

=head2 Working with Net::FTP

See L<IO::Compress::FAQ/IO::Compress::FAQ/"Compressed files and Net::FTP">

=head1 SEE ALSO

L<Compress::Zlib>, L<IO::Compress::Gzip>, L<IO::Uncompress::Gunzip>, L<IO::Uncompress::Inflate>,
L<IO::Compress::RawDeflate>, L<IO::Uncompress::RawInflate>, L<IO::Compress::Bzip2>,
L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>, L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>,
L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>, L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>,
L<IO::Uncompress::UnLzf>, L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>

L<IO::Compress::FAQ/IO::Compress::FAQ>

L<File::GlobMapper/FILE::GlobMapper>, L<Archive::Zip/Archive::Zip>,
L<Archive::Tar/Archive::Tar>,
L<IO::Zlib/IO::Zlib>

For RFC 1950, 1951 and 1952 see
L<http://www.faqs.org/rfcs/rfc1950.html>,
L<http://www.faqs.org/rfcs/rfc1951.html> and

The I<zlib> compression library was written by Jean-loup Gailly
C<gzip@prep.ai.mit.edu> and Mark Adler C<madler@alumni.caltech.edu>.

The primary site for the I<zlib> compression library is

The primary site for gzip is L<http://www.gzip.org>.

=head1 AUTHOR

This module was written by Paul Marquess, C<pmqs@cpan.org>.
=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-2.081/lib/IO/Compress/Deflate.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

File::GlobMapper - Extend File Glob to Allow Input and Output Files

=head1 SYNOPSIS

use File::GlobMapper qw( globmap );

my $aref = globmap $input => $output
  or die $File::GlobMapper::Error ;

my $gm = new File::GlobMapper $input => $output
  or die $File::GlobMapper::Error ;

=head1 DESCRIPTION

This module needs Perl5.005 or better.

This module takes the existing C<File::Glob> module as a starting point and extends it to allow new filenames to be derived from the files matched by C<File::Glob>.

This can be useful when carrying out batch operations on multiple files that have both an input filename and output filename and the output file can be derived from the input filename. Examples of operations where this can be useful include, file renaming, file copying and file compression.

=head2 Behind The Scenes
To help explain what C<File::GlobMapper> does, consider what code you
would write if you wanted to rename all files in the current directory
that ended in C<.tar.gz> to C<.tgz>. So say these files are in the
current directory
alpha.tar.gz
beta.tar.gz
gamma.tar.gz
and they need renamed to this
alpha.tgz
beta.tgz
gamma.tgz
Below is a possible implementation of a script to carry out the rename
(error cases have been omitted)
foreach my $old ( glob "*.tar.gz" )
{
my $new = $old;
$new =~ s#(.*)\.tar\.gz$#$1.tgz# ;
rename $old => $new
or die "Cannot rename '$old' to '$new': $!\n;
}
Notice that a file glob pattern C<*.tar.gz> was used to match the
C<.tar.gz> files, then a fairly similar regular expression was used in
the substitute to allow the new filename to be created.
Given that the file glob is just a cut-down regular expression and that it
has already done a lot of the hard work in pattern matching the filenames,
wouldn't it be handy to be able to use the patterns in the fileglob to
drive the new filename?
Well, that's I<exactly> what C<File::GlobMapper> does.
Here is same snippet of code rewritten using C<globmap>
for my $pair (globmap '<*.tar.gz>' => '<#1.tgz>' )
{
my ($from, $to) = @$pair;
rename $from => $to
or die "Cannot rename '$old' to '$new': $!\n;
}

Open Source Used In CSPC_Collector 2.9.1 5698


So how does it work?

Behind the scenes the C<globmap> function does a combination of a file glob to match existing filenames followed by a substitute to create the new filenames.

Notice how both parameters to C<globmap> are strings that are delimited by <>.
This is done to make them look more like file globs - it is just syntactic sugar, but it can be handy when you want the strings to be visually distinctive. The enclosing <> are optional, so you don't have to use them - in fact the first thing globmap will do is remove these delimiters if they are present.

The first parameter to C<globmap>, C<*.tar.gz>, is an I<Input File Glob>. Once the enclosing "< ... >" is removed, this is passed (more or less) unchanged to C<File::Glob> to carry out a file match.

Next the fileglob C<*.tar.gz> is transformed behind the scenes into a full Perl regular expression, with the additional step of wrapping each transformed wildcard metacharacter sequence in parenthesis.

In this case the input fileglob C<*.tar.gz> will be transformed into this Perl regular expression

   (\[^/\]*).tar.gz

Wrapping with parenthesis allows the wildcard parts of the Input File Glob to be referenced by the second parameter to C<globmap>, C<#1.tgz>, the I<Output File Glob>. This parameter operates just like the replacement part of a substitute command. The difference is that the C<#1> syntax is used to reference sub-patterns matched in the input fileglob, rather than the C<$1> syntax that is used with perl regular expressions. In this case C<#1> is used to refer to the text matched by the C<*> in the Input File Glob. This makes it easier to use this module where the parameters to C<globmap> are typed at the command line.

The final step involves passing each filename matched by the C<*.tar.gz> file glob through the derived Perl regular expression in turn and expanding the output fileglob using it.

The end result of all this is a list of pairs of filenames. By default that is what is returned by C<globmap>. In this example the data structure returned will look like this

   ( ['alpha.tar.gz' => 'alpha.tgz'],
     ['beta.tar.gz' => 'beta.tgz'],
     ['gamma.tar.gz' => 'gamma.tgz']
   )
Each pair is an array reference with two elements - namely the I<from> filename, that C<File::Glob> has matched, and a I<to> filename that is derived from the I<from> filename.

=head2 Limitations

C<File::GlobMapper> has been kept simple deliberately, so it isn't intended to solve all filename mapping operations. Under the hood C<File::Glob> (or for older versions of Perl, C<File::BSDGlob>) is used to match the files, so you will never have the flexibility of full Perl regular expression.

=head2 Input File Glob

The syntax for an Input FileGlob is identical to C<File::Glob>, except for the following

=over 5

=item 1.
No nested {}

=item 2.
Whitespace does not delimit fileglobs.

=item 3.
The use of parenthesis can be used to capture parts of the input filename.

=item 4.
If an Input glob matches the same file more than once, only the first will be used.
=back

The syntax

=over 5

=item B<~>

=item B<~user>
Matches a literal ‘.’.
Equivalent to the Perl regular expression
\.

Matches zero or more characters, except ‘/’. Equivalent to the Perl regular expression
[^/]*

Matches zero or one character, except ‘/’. Equivalent to the Perl regular expression
[^/]?

Backslash is used, as usual, to escape the next character.

Character class.

Alternation

Capturing parenthesis that work just like perl

Any other character it taken literally.

The Output File Glob is a normal string, with 2 glob-like features.

The first is the ‘*’ metacharacter. This will be replaced by the complete
filename matched by the input file glob. So

*.c *.Z

The second is

Output FileGlob takes the

=item "+"

The "*" character will be replaced with the complete input filename.

=item #1

Patterns of the form /\d/ will be replaced with the

=back

=head2 Returned Data

=head1 EXAMPLES

=head2 A Rename script

Below is a simple "rename" script that uses C<globmap> to determine the source and destination filenames.

use File::GlobMapper qw(globmap) ;
use File::Copy;

die "rename: Usage rename 'from' 'to'\n"
    unless @ARGV == 2 ;

my $fromGlob = shift @ARGV;
my $toGlob   = shift @ARGV;

my $pairs = globmap($fromGlob, $toGlob)
    or die $File::GlobMapper::Error;

for my $pair (@$pairs)
    {
        my ($from, $to) = @$pair;
        move $from => $to ;
    }
Here is an example that renames all .c files to .cpp.

```
rename '*.c' '#1.cpp'
```

=head2 A few example globmaps

Below are a few examples of globmaps

To copy all your .c file to a backup directory

```
'!/my/home/*.*c'       '/my/backup/#1.c'
```

If you want to compress all

```
'!/my/home/*.[ch]'      '<*.gz'
```

To uncompress

```
'!/my/home/*.[ch].gz'    '/my/home/#1.#2'
```

=head1 SEE ALSO

L<File::Glob|File::Glob>

=head1 AUTHOR

The I<File::GlobMapper> module was written by Paul Marquess, F<pmqs@cpan.org>.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 2005 Paul Marquess. All rights reserved.
This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-2.081/lib/File/GlobMapper.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

IO::Uncompress::Inflate - Read RFC 1950 files/buffers

=head1 SYNOPSIS

```
use IO::Uncompress::Inflate qw(inflate $InflateError);
```
my $status = inflate $input => $output [,OPTS]
   or die "inflate failed: $InflateError\n";

my $z = new IO::Uncompress::Inflate $input [OPTS]
   or die "inflate failed: $InflateError\n";

$status = $z->read($buffer)
$status = $z->read($buffer, $length)
$status = $z->read($buffer, $length, $offset)
$line = $z->getline()
$char = $z->getc()
$char = $z->ungetc()
$char = $z->opened()

$status = $z->inflateSync()

$data = $z->trailingData()
$status = $z->nextStream()
$data = $z->getHeaderInfo()
$z->tell()
$z->seek($position, $whence)
$z->binmode()
$z->fileno()
$z->eof()
$z->close()

$InflateError ;

# IO::File mode

<$z>
read($z, $buffer);
read($z, $buffer, $length);
read($z, $buffer, $length, $offset);
tell($z)
seek($z, $position, $whence)
binmode($z)
fileno($z)
eof($z)
close($z)

=head1 DESCRIPTION

This module provides a Perl interface that allows the reading of
files/buffers that conform to RFC 1950.

For writing RFC 1950 files/buffers, see the companion module IO::Compress::Deflate.
=head1 Functional Interface

A top-level function, C<inflate>, is provided to carry out
"one-shot" uncompression between buffers and/or files. For finer
control over the uncompression process, see the L</"OO Interface”> section.

use IO::Uncompress::Inflate qw(inflate $InflateError) ;

inflate $input_filename_or_reference => $output_filename_or_reference [,OPTS]
or die "inflate failed: $InflateError\n"

The functional interface needs Perl5.005 or better.

=head2 inflate $input_filename_or_reference => $output_filename_or_reference [, OPTS]

C<inflate> expects at least two parameters,
C<$input_filename_or_reference> and C<$output_filename_or_reference>.

=head3 The C<$input_filename_or_reference> parameter

The parameter, C<$input_filename_or_reference>, is used to define the
source of the compressed data.

It can take one of the following forms:

=over 5

=item A filename

If the <$input_filename_or_reference> parameter is a simple scalar, it is
assumed to be a filename. This file will be opened for reading and the
input data will be read from it.

=item A filehandle

If the C<$input_filename_or_reference> parameter is a filehandle, the input
data will be read from it. The string '-' can be used as an alias for
standard input.

=item A scalar reference

If C<$input_filename_or_reference> is a scalar reference, the input data
will be read from C<$$input_filename_or_reference>.

=item An array reference
If C<$input_filename_or_reference> is an array reference, each element in the array must be a filename.

The input data will be read from each file in turn.

The complete array will be walked to ensure that it only contains valid filenames before any data is uncompressed.

=item An Input FileGlob string

If C<$input_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<inflate> will assume that it is an I<input fileglob string>. The input is the list of files that match the fileglob.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the C<$input_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head3 The C<$output_filename_or_reference> parameter

The parameter C<$output_filename_or_reference> is used to control the destination of the uncompressed data. This parameter can take one of these forms.

=over 5

=item A filename

If the C<$output_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the uncompressed data will be written to it.

=item A filehandle

If the C<$output_filename_or_reference> parameter is a filehandle, the uncompressed data will be written to it. The string '-' can be used as an alias for standard output.

=item A scalar reference

If C<$output_filename_or_reference> is a scalar reference, the uncompressed data will be stored in C<$output_filename_or_reference>.

=item An Array Reference
If $output_filename_or_reference$ is an array reference, the uncompressed data will be pushed onto the array.

=item An Output FileGlob

If $output_filename_or_reference$ is a string that is delimited by the characters "<" and "">" $inflate$ will assume that it is an I<output fileglob string>. The output is the list of files that match the fileglob.

When $output_filename_or_reference$ is a fileglob string, $input_filename_or_reference$ must also be a fileglob string. Anything else is an error.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the $output_filename_or_reference$ parameter is any other type, $undef$ will be returned.

=head2 Notes

When $input_filename_or_reference$ maps to multiple compressed files/buffers and $output_filename_or_reference$ is a single file/buffer, after uncompression $output_filename_or_reference$ will contain a concatenation of all the uncompressed data from each of the input files/buffers.

=head2 Optional Parameters

Unless specified below, the optional parameters for $inflate$, $OPTS$, are the same as those used with the OO interface defined in the L</"Constructor Options"> section below.

=over 5

=item C<< AutoClose => 0|1 >>

This option applies to any input or output data streams to $inflate$ that are filehandles.

If C<<AutoClose>> is specified, and the value is true, it will result in all input and/or output filehandles being closed once $inflate$ has completed.

This parameter defaults to 0.
When writing to a file or filehandle, set \texttt{binmode} before writing to the file.

Defaults to 0.

The behaviour of this option is dependent on the type of output data stream.

If \texttt{Append} is enabled, all uncompressed data will be appended to the end of the output buffer. Otherwise the output buffer will be cleared before any uncompressed data is written to it.

If \texttt{Append} is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any uncompressed data is written to it.

If \texttt{Append} is enabled, the filehandle will be positioned to the end of the file via a call to \texttt{seek} before any uncompressed data is written to it. Otherwise the file pointer will not be moved.

When \texttt{Append} is specified, and set to true, it will append all uncompressed data to the output data stream. So when the output is a filehandle it will carry out a seek to the eof before writing any uncompressed data. If the output is a filename, it will be opened for appending. If the output is a buffer, all uncompressed data will be appended to the existing buffer.

Conversely when \texttt{Append} is not specified, or it is present and is set to false, it will operate as follows.

When the output is a filename, it will truncate the contents of the file before writing any uncompressed data. If the output is a filehandle
its position will not be changed. If the output is a buffer, it will be wiped before any uncompressed data is output.

Defaults to 0.

=item C<< MultiStream => 0|1 >>

If the input file/buffer contains multiple compressed data streams, this option will uncompress the whole lot as a single data stream.

Defaults to 0.

=item C<< TrailingData => $scalar >>

Returns the data, if any, that is present immediately after the compressed data stream once uncompression is complete.

This option can be used when there is useful information immediately following the compressed data stream, and you don't know the length of the compressed data stream.

If the input is a buffer, C<trailingData> will return everything from the end of the compressed data stream to the end of the buffer.

If the input is a filehandle, C<trailingData> will return the data that is left in the filehandle input buffer once the end of the compressed data stream has been reached. You can then use the filehandle to read the rest of the input file.

Don't bother using C<trailingData> if the input is a filename.

If you know the length of the compressed data stream before you start uncompressing, you can avoid having to use C<trailingData> by setting the C<InputLength> option.

=back

=head2 Examples

To read the contents of the file C<file1.txt.1950> and write the uncompressed data to the file C<file1.txt>.

    use strict ;
    use warnings ;
    use IO::Uncompress::Inflate qw(inflate $InflateError) ;

    my $input = "file1.txt.1950";
    my $output = "file1.txt";
inflated $input => $output
    or die "inflated failed: $InflateError\n"

To read from an existing Perl filehandle, C<$input>, and write the uncompressed data to a buffer, C<$buffer>.

use strict ;
use warnings ;
use IO::Uncompress::Inflate qw(inflate $InflateError) ;
use IO::File ;

my $input = new IO::File "<file1.txt.1950"
    or die "Cannot open 'file1.txt.1950': $!\n" ;
my $buffer ;
inflate $input => \$buffer
    or die "inflated failed: $InflateError\n" ;

To uncompress all files in the directory "/my/home" that match "*.txt.1950" and store the compressed data in the same directory

use strict ;
use warnings ;
use IO::Uncompress::Inflate qw(inflate $InflateError) ;
inflate '</my/home/*.txt.1950>' => '</my/home/#1.txt>'
    or die "inflated failed: $InflateError\n" ;

and if you want to compress each file one at a time, this will do the trick

use strict ;
use warnings ;
use IO::Uncompress::Inflate qw(inflate $InflateError) ;

for my $input ( glob "*/my/home/*.txt.1950" )
{
    my $output = $input;
    $output =~ s/.1950// ;
inflate $input => $output
    or die 'Error compressing '$input': $InflateError\n";
}

=head1 OO Interface

=head2 Constructor

The format of the constructor for IO::Uncompress::Inflate is shown below

my $z = new IO::Uncompress::Inflate [OPTS]
or die "IO::Uncompress::Inflate failed: $InflateError\n";

Returns an C<IO::Uncompress::Inflate> object on success and undef on failure. The variable C<$InflateError> will contain an error message on failure.

If you are running Perl 5.005 or better the object, C<$z>, returned from IO::Uncompress::Inflate can be used exactly like an L<IO::File|IO::File> filehandle. This means that all normal input file operations can be carried out with C<$z>. For example, to read a line from a compressed file/buffer you can use either of these forms

```
$line = $z->getline();
$line = <$z>;
```

The mandatory parameter C<$input> is used to determine the source of the compressed data. This parameter can take one of three forms.

=over 5

=item A filename

If the C<$input> parameter is a scalar, it is assumed to be a filename. This file will be opened for reading and the compressed data will be read from it.

=item A filehandle

If the C<$input> parameter is a filehandle, the compressed data will be read from it. The string '-' can be used as an alias for standard input.

=item A scalar reference

If C<$input> is a scalar reference, the compressed data will be read from C<$$input>.

=back

=head2 Constructor Options

The option names defined below are case insensitive and can be optionally prefixed by a '-' . So all of the following are valid

- AutoClose
- autoclose
  AUTOCLOSE
  autoclose

OPTS is a combination of the following options:
This option is only valid when the $input parameter is a filehandle. If specified, and the value is true, it will result in the file being closed once either the close method is called or the IO::Uncompress::Inflate object is destroyed.

This parameter defaults to 0.

MultiStream => 0|1

Allows multiple concatenated compressed streams to be treated as a single compressed stream. Decompression will stop once either the end of the file/buffer is reached, an error is encountered (premature eof, corrupt compressed data) or the end of a stream is not immediately followed by the start of another stream.

This parameter defaults to 0.

Prime => $string

This option will uncompress the contents of $string before processing the input file/buffer.

This option can be useful when the compressed data is embedded in another file/data structure and it is not possible to work out where the compressed data begins without having to read the first few bytes. If this is the case, the uncompression can be primed with these bytes using this option.

Transparent => 0|1

If this option is set and the input file/buffer is not compressed data, the module will allow reading of it anyway.

In addition, if the input file/buffer does contain compressed data and there is non-compressed data immediately following it, setting this option will make this module treat the whole file/buffer as a single data stream.

This option defaults to 1.

BlockSize => $num

When reading the compressed input data, IO::Uncompress::Inflate will read it in blocks of $num bytes.
This option defaults to 4096.

=item C<< InputLength => $size >>

When present this option will limit the number of compressed bytes read from the input file/buffer to C<$size>. This option can be used in the situation where there is useful data directly after the compressed data stream and you know beforehand the exact length of the compressed data stream.

This option is mostly used when reading from a filehandle, in which case the file pointer will be left pointing to the first byte directly after the compressed data stream.

This option defaults to off.

=item C<< Append => 0|1 >>

This option controls what the C<read> method does with uncompressed data.

If set to 1, all uncompressed data will be appended to the output parameter of the C<read> method.

If set to 0, the contents of the output parameter of the C<read> method will be overwritten by the uncompressed data.

Defaults to 0.

=item C<< Strict => 0|1 >>

This option controls whether the extra checks defined below are used when carrying out the decompression. When Strict is on, the extra tests are carried out, when Strict is off they are not.

The default for this option is off.

=over 5

=item 1

The ADLER32 checksum field must be present.

=item 2

The value of the ADLER32 field read must match the adler32 value of the uncompressed data actually contained in the file.
Usage is

```perl
$status = $z->read($buffer)
```

Reads a block of compressed data (the size of the compressed block is determined by the C<Buffer> option in the constructor), uncompresses it and writes any uncompressed data into C<$buffer>. If the C<Append> parameter is set in the constructor, the uncompressed data will be appended to the C<$buffer> parameter. Otherwise C<$buffer> will be overwritten.

Returns the number of uncompressed bytes written to C<$buffer>, zero if eof or a negative number on error.

Usage is

```perl
$status = $z->read($buffer, $length)
$status = $z->read($buffer, $length, $offset)
```

Attempt to read C<$length> bytes of uncompressed data into C<$buffer>.

The main difference between this form of the C<read> method and the previous one, is that this one will attempt to return I<exactly> C<$length> bytes. The only circumstances that this function will not is if end-of-file or an IO error is encountered.

Returns the number of uncompressed bytes written to C<$buffer>, zero if eof or a negative number on error.

Usage is
$line = $z->getline()
$line = <$z>

Reads a single line.

This method fully supports the use of the variable C<$/> (or C<$INPUT_RECORD_SEPARATOR> or C<$RS> when C<English> is in use) to determine what constitutes an end of line. Paragraph mode, record mode and file slurp mode are all supported.

=head2 getc

Usage is

$char = $z->getc()

Read a single character.

=head2 ungetc

Usage is

$char = $z->ungetc($string)

=head2 inflateSync

Usage is

$status = $z->inflateSync()

TODO

=head2 getHeaderInfo

Usage is

$hdr = $z->getHeaderInfo();
@hdrs = $z->getHeaderInfo();

This method returns either a hash reference (in scalar context) or a list or hash references (in array context) that contains information about each of the header fields in the compressed data stream(s).

=head2 tell

Usage is
$z->tell()
tell $z

Returns the uncompressed file offset.

=header2 eof

Usage is

$z->eof();
eof($z);

Returns true if the end of the compressed input stream has been reached.

=header2 seek

$z->seek($position, $whence);
seek($z, $position, $whence);

Provides a sub-set of the C<seek> functionality, with the restriction that it is only legal to seek forward in the input file/buffer. It is a fatal error to attempt to seek backward.

Note that the implementation of C<seek> in this module does not provide true random access to a compressed file/buffer. It works by uncompressing data from the current offset in the file/buffer until it reaches the uncompressed offset specified in the parameters to C<seek>. For very small files this may be acceptable behaviour. For large files it may cause an unacceptable delay.

The C<$whence> parameter takes one the usual values, namely SEEK_SET, SEEK_CUR or SEEK_END.

Returns 1 on success, 0 on failure.

=header2 binmode

Usage is

$z->binmode
binmode $z;

This is a noop provided for completeness.

=header2 opened

$z->opened()
Returns true if the object currently refers to a opened file/buffer.

=head2 autoflush

my $prev = $z->autoflush()
my $prev = $z->autoflush(EXPR)

If the C<$z> object is associated with a file or a filehandle, this method returns the current autoflush setting for the underlying filehandle. If C<EXPR> is present, and is non-zero, it will enable flushing after every write/print operation.

If C<$z> is associated with a buffer, this method has no effect and always returns C<undef>.

B<Note> that the special variable C<$|> B<cannot> be used to set or retrieve the autoflush setting.

=head2 input_line_number

$z->input_line_number()
$z->input_line_number(EXPR)

Returns the current uncompressed line number. If C<EXPR> is present it has the effect of setting the line number. Note that setting the line number does not change the current position within the file/buffer being read.

The contents of C<$/> are used to determine what constitutes a line terminator.

=head2 fileno

$z->fileno()
fileno($z)

If the C<$z> object is associated with a file or a filehandle, C<fileno> will return the underlying file descriptor. Once the C<close> method is called C<fileno> will return C<undef>.

If the C<$z> object is associated with a buffer, this method will return C<undef>.

=head2 close

$z->close();
close $z;

Closes the output file/buffer.
For most versions of Perl this method will be automatically invoked if the IO::Uncompress::Inflate object is destroyed (either explicitly or by the variable with the reference to the object going out of scope). The exceptions are Perl versions 5.005 through 5.00504 and 5.8.0. In these cases, the C<close> method will be called automatically, but not until global destruction of all live objects when the program is terminating.

Therefore, if you want your scripts to be able to run on all versions of Perl, you should call C<close> explicitly and not rely on automatic closing.

Returns true on success, otherwise 0.

If the C<AutoClose> option has been enabled when the IO::Uncompress::Inflate object was created, and the object is associated with a file, the underlying file will also be closed.

=head2 nextStream

Usage is

    my $status = $z->nextStream();

Skips to the next compressed data stream in the input file/buffer. If a new compressed data stream is found, the eof marker will be cleared and C<$> will be reset to 0.

Returns 1 if a new stream was found, 0 if none was found, and -1 if an error was encountered.

=head2 trailingData

Usage is

    my $data = $z->trailingData();

Returns the data, if any, that is present immediately after the compressed data stream once uncompression is complete. It only makes sense to call this method once the end of the compressed data stream has been encountered.

This option can be used when there is useful information immediately following the compressed data stream, and you don't know the length of the compressed data stream.

If the input is a buffer, C<trailingData> will return everything from the
end of the compressed data stream to the end of the buffer.

If the input is a filehandle, C<trailingData> will return the data that is left in the filehandle input buffer once the end of the compressed data stream has been reached. You can then use the filehandle to read the rest of the input file.

Don't bother using C<trailingData> if the input is a filename.

If you know the length of the compressed data stream before you start uncompressing, you can avoid having to use C<trailingData> by setting the C<InputLength> option in the constructor.

=head1 Importing

No symbolic constants are required by this IO::Uncompress::Inflate at present.

=over 5
=item :all
Imports C<inflate> and C<$InflateError>.
Same as doing this

    use IO::Uncompress::Inflate qw(inflate $InflateError);

=back

=head1 EXAMPLES

=head2 Working with Net::FTP

See L<IO::Compress::FAQ|IO::Compress::FAQ/"Compressed files and Net::FTP”>

=head1 SEE ALSO

L<Compress::Zlib>, L<IO::Compress::Gzip>, L<IO::Uncompress::Gunzip>, L<IO::Compress::Deflate>, L<IO::Compress::RawDeflate>, L<IO::Uncompress::RawInflate>, L<IO::Compress::Bzip2>, L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>, L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>, L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>, L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>, L<IO::Uncompress::UnLzf>, L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>

L<IO::Compress::FAQ|IO::Compress::FAQ>

L<File::GlobMapper|File::GlobMapper>, L<Archive::Zip|Archive::Zip>, L<Archive::Tar|Archive::Tar>, L<IO::Zlib|IO::Zlib>
For RFC 1950, 1951 and 1952 see
L<http://www.faqs.org/rfcs/rfc1950.html>,
L<http://www.faqs.org/rfcs/rfc1951.html> and

The I<zlib> compression library was written by Jean-loup Gailly
C<gzip@prep.ai.mit.edu> and Mark Adler C<madler@alumni.caltech.edu>.

The primary site for the I<zlib> compression library is

The primary site for gzip is L<http://www.gzip.org>.

=head1 AUTHOR

This module was written by Paul Marquess, C<pmqs@cpan.org>.

=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

Found in path(s):
  * /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-
b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-
  2.081/lib/IO/Uncompress/Inflate.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

IO::Compress::Base - Base Class for IO::Compress modules

=head1 SYNOPSIS

use IO::Compress::Base ;

=head1 DESCRIPTION

This module is not intended for direct use in application code. Its sole
purpose is to be sub-classed by IO::Compress modules.

=head1 SEE ALSO
This module was written by Paul Marquess, C<pmqs@cpan.org>.

See the Changes file.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

License:        GPL+ or Artistic

IO::Uncompress::Bunzip2 - Read bzip2 files/buffers

=head1 NAME

IO::Uncompress::Bunzip2 - Read bzip2 files/buffers

=head1 SYNOPSIS
use IO::Uncompress::Bunzip2 qw(bunzip2 $Bunzip2Error);

my $status = bunzip2 $input => $output [ ,OPTS ]
or die "bunzip2 failed: $Bunzip2Error\n";

my $z = new IO::Uncompress::Bunzip2 $input [ ,OPTS ]
or die "bunzip2 failed: $Bunzip2Error\n";

$status = $z->read($buffer)
$status = $z->read($buffer, $length)
$status = $z->read($buffer, $length, $offset)
$line = $z->getline()
$char = $z->getc()
$char = $z->ungetc()
$char = $z->opened()

$data = $z->trailingData()
$status = $z->nextStream()
$data = $z->getHeaderInfo()
$z->tell()
$z->seek($position, $whence)
$z->binmode()
$z->fileno()
$z->eof()
$z->close()

$Bunzip2Error;

=head1 DESCRIPTION

This module provides a Perl interface that allows the reading of
bzip2 files/buffers.

For writing bzip2 files/buffers, see the companion module IO::Compress::Bzip2.
=head1 Functional Interface

A top-level function, C<bunzip2>, is provided to carry out
"one-shot" uncompression between buffers and/or files. For finer
control over the uncompression process, see the L</"OO Interface”>
section.

use IO::Uncompress::Bunzip2 qw(bunzip2 $Bunzip2Error) ;

bunzip2 $input_filename_or_reference => $output_filename_or_reference [,OPTS]
or die "bunzip2 failed: $Bunzip2Error\n";

The functional interface needs Perl5.005 or better.

=head2 bunzip2 $input_filename_or_reference => $output_filename_or_reference [, OPTS]

C<bunzip2> expects at least two parameters,
C<$input_filename_or_reference> and C<$output_filename_or_reference>.

=head3 The C<$input_filename_or_reference> parameter

The parameter, C<$input_filename_or_reference>, is used to define the
source of the compressed data.

It can take one of the following forms:

=over 5

=item A filename

If the <$input_filename_or_reference> parameter is a simple scalar, it is
assumed to be a filename. This file will be opened for reading and the
input data will be read from it.

=item A filehandle

If the C<$input_filename_or_reference> parameter is a filehandle, the input
data will be read from it. The string '-' can be used as an alias for
standard input.

=item A scalar reference

If C<$input_filename_or_reference> is a scalar reference, the input data
will be read from C<$$input_filename_or_reference>.

=item An array reference

If C<$input_filename_or_reference> is an array reference, each element in
the array must be a filename.

The input data will be read from each file in turn.

The complete array will be walked to ensure that it only contains valid filenames before any data is uncompressed.

=item An Input FileGlob string

If C<$input_filename_or_reference> is a string that is delimited by the characters "<" and ">", C<bunzip2> will assume that it is an I<input fileglob string>. The input is the list of files that match the fileglob.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the C<$input_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head3 The C<$output_filename_or_reference> parameter

The parameter C<$output_filename_or_reference> is used to control the destination of the uncompressed data. This parameter can take one of these forms.

=over 5

=item A filename

If the C<$output_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the uncompressed data will be written to it.

=item A filehandle

If the C<$output_filename_or_reference> parameter is a filehandle, the uncompressed data will be written to it. The string '.' can be used as an alias for standard output.

=item A scalar reference

If C<$output_filename_or_reference> is a scalar reference, the uncompressed data will be stored in C<$output_filename_or_reference>.

=item An Array Reference
If C<$output_filename_or_reference> is an array reference, the uncompressed data will be pushed onto the array.

=item An Output FileGlob

If C<$output_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<bunzip2> will assume that it is an I<output fileglob string>. The output is the list of files that match the fileglob.

When C<$output_filename_or_reference> is an fileglob string, C<$input_filename_or_reference> must also be a fileglob string. Anything else is an error.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the C<$output_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head2 Notes

When C<$input_filename_or_reference> maps to multiple compressed files/buffers and C<$output_filename_or_reference> is a single file/buffer, after uncompression C<$output_filename_or_reference> will contain a concatenation of all the uncompressed data from each of the input files/buffers.

=head2 Optional Parameters

Unless specified below, the optional parameters for C<bunzip2>, C<OPTS>, are the same as those used with the OO interface defined in the L</"Constructor Options"> section below.

=over 5

=item C<< AutoClose => 0|1 >>

This option applies to any input or output data streams to C<bunzip2> that are filehandles.

If C<AutoClose> is specified, and the value is true, it will result in all input and/or output filehandles being closed once C<bunzip2> has completed.

This parameter defaults to 0.
When writing to a file or filehandle, set `<binmode>` before writing to the file.

Defaults to 0.

The behaviour of this option is dependent on the type of output data stream.

If `<Append>` is enabled, all uncompressed data will be appended to the end of the output buffer. Otherwise the output buffer will be cleared before any uncompressed data is written to it.

If `<Append>` is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any uncompressed data is written to it.

If `<Append>` is enabled, the filehandle will be positioned to the end of the file via a call to `<seek>` before any uncompressed data is written to it. Otherwise the file pointer will not be moved.

When `<Append>` is specified, and set to true, it will append all uncompressed data to the output data stream.

So when the output is a filehandle it will carry out a seek to the eof before writing any uncompressed data. If the output is a filename, it will be opened for appending. If the output is a buffer, all uncompressed data will be appended to the existing buffer.

Conversely when `<Append>` is not specified, or it is present and is set to false, it will operate as follows.

When the output is a filename, it will truncate the contents of the file before writing any uncompressed data. If the output is a filehandle its position will not be changed. If the output is a buffer, it will be
wiped before any uncompressed data is output.

Defaults to 0.

=item C<< MultiStream => 0|1 >>

If the input file/buffer contains multiple compressed data streams, this option will uncompress the whole lot as a single data stream.

Defaults to 0.

=item C<< TrailingData => $scalar >>

Returns the data, if any, that is present immediately after the compressed data stream once uncompression is complete.

This option can be used when there is useful information immediately following the compressed data stream, and you don't know the length of the compressed data stream.

If the input is a buffer, C<trailingData> will return everything from the end of the compressed data stream to the end of the buffer.

If the input is a filehandle, C<trailingData> will return the data that is left in the filehandle input buffer once the end of the compressed data stream has been reached. You can then use the filehandle to read the rest of the input file.

Don't bother using C<trailingData> if the input is a filename.

If you know the length of the compressed data stream before you start uncompressing, you can avoid having to use C<trailingData> by setting the C<InputLength> option.

=back

=head2 Examples

To read the contents of the file C<file1.txt.bz2> and write the uncompressed data to the file C<file1.txt>:

    use strict;
    use warnings;
    use IO::Uncompress::Bunzip2 qw(bunzip2 $Bunzip2Error);

    my $input = "file1.txt.bz2";
    my $output = "file1.txt";
    bunzip2 $input => $output
or die "bunzip2 failed: $Bunzip2Error
";

To read from an existing Perl filehandle, C<$input>, and write the uncompressed data to a buffer, C<$buffer>.

use strict ;
use warnings ;
use IO::Uncompress::Bunzip2 qw(bunzip2 $Bunzip2Error) ;
use IO::File ;

my $input = new IO::File "<file1.txt.bz2"
    or die "Cannot open 'file1.txt.bz2': $!
";
my $buffer ;

bunzip2 $input => $buffer
    or die "bunzip2 failed: $Bunzip2Error
";

To uncompress all files in the directory "/my/home" that match "*.txt.bz2" and store the compressed data in the same directory

use strict ;
use warnings ;
use IO::Uncompress::Bunzip2 qw(bunzip2 $Bunzip2Error) ;

bunzip2 '</my/home/*.txt.bz2>' => '</my/home/#1.txt>'
    or die "bunzip2 failed: $Bunzip2Error
";

and if you want to compress each file one at a time, this will do the trick

use strict ;
use warnings ;
use IO::Uncompress::Bunzip2 qw(bunzip2 $Bunzip2Error) ;

for my $input ( glob "/my/home/*.txt.bz2" )
{
    my $output = $input;
    $output =~ s/.bz2// ;
    bunzip2 $input => $output
        or die "Error compressing '$input': $Bunzip2Error
";
}

=head1 OO Interface

=head2 Constructor

The format of the constructor for IO::Uncompress::Bunzip2 is shown below

my $z = new IO::Uncompress::Bunzip2 $input [OPTS]
    or die "IO::Uncompress::Bunzip2 failed: $Bunzip2Error
";
Returns an `IO::Uncompress::Bunzip2` object on success and `undef` on failure. The variable `$_Bunzip2Error` will contain an error message on failure.

If you are running Perl 5.005 or better the object, `$_z`, returned from `IO::Uncompress::Bunzip2` can be used exactly like an `IO::File` filehandle. This means that all normal input file operations can be carried out with `$_z`. For example, to read a line from a compressed file/buffer you can use either of these forms

```perl
$link = $z->getline();
$link = <$z>;
```

The mandatory parameter `$_input` is used to determine the source of the compressed data. This parameter can take one of three forms.

=over 5

=item A filename

If the `$_input` parameter is a scalar, it is assumed to be a filename. This file will be opened for reading and the compressed data will be read from it.

=item A filehandle

If the `$_input` parameter is a filehandle, the compressed data will be read from it.

The string `'-` can be used as an alias for standard input.

=item A scalar reference

If `$_input` is a scalar reference, the compressed data will be read from `$_$input`.

=back

=head2 Constructor Options

The option names defined below are case insensitive and can be optionally prefixed by a `'-`. So all of the following are valid

- `AutoClose`
- `autoclose`
- `AUTOCLOSE`
- `autoclose`

OPTS is a combination of the following options:
This option is only valid when the $input parameter is a filehandle. If specified, and the value is true, it will result in the file being closed once either the close method is called or the IO::Uncompress::Bunzip2 object is destroyed.

This parameter defaults to 0.

=item C<< MultiStream => 0|1 >>

Allows multiple concatenated compressed streams to be treated as a single compressed stream. Decompression will stop once either the end of the file/buffer is reached, an error is encountered (premature eof, corrupt compressed data) or the end of a stream is not immediately followed by the start of another stream.

This parameter defaults to 0.

=item C<< Prime => $string >>

This option will uncompress the contents of $string before processing the input file/buffer.

This option can be useful when the compressed data is embedded in another file/data structure and it is not possible to work out where the compressed data begins without having to read the first few bytes. If this is the case, the uncompression can be primed with these bytes using this option.

=item C<< Transparent => 0|1 >>

If this option is set and the input file/buffer is not compressed data, the module will allow reading of it anyway.

In addition, if the input file/buffer does contain compressed data and there is non-compressed data immediately following it, setting this option will make this module treat the whole file/buffer as a single data stream.

This option defaults to 1.

=item C<< BlockSize => $num >>

When reading the compressed input data, IO::Uncompress::Bunzip2 will read it in blocks of $num bytes.
This option defaults to 4096.

=item C<< InputLength => $size >>

When present this option will limit the number of compressed bytes read from the input file/buffer to C<$size>. This option can be used in the situation where there is useful data directly after the compressed data stream and you know beforehand the exact length of the compressed data stream.

This option is mostly used when reading from a filehandle, in which case the file pointer will be left pointing to the first byte directly after the compressed data stream.

This option defaults to off.

=item C<< Append => 0|1 >>

This option controls what the C<read> method does with uncompressed data.

If set to 1, all uncompressed data will be appended to the output parameter of the C<read> method.

If set to 0, the contents of the output parameter of the C<read> method will be overwritten by the uncompressed data.

Defaults to 0.

=item C<< Strict => 0|1 >>

This option is a no-op.

=item C<< Small => 0|1 >>

When non-zero this options will make bzip2 use a decompression algorithm that uses less memory at the expense of increasing the amount of time taken for decompression.

Default is 0.

=back

=head2 Examples

TODO

=head1 Methods
Usage is

$status = $z->read($buffer)

Reads a block of compressed data (the size of the compressed block is
determined by the C<Buffer> option in the constructor), uncompresses it and
writes any uncompressed data into C<$buffer>. If the C<Append> parameter is
set in the constructor, the uncompressed data will be appended to the
C<$buffer> parameter. Otherwise C<$buffer> will be overwritten.

Returns the number of uncompressed bytes written to C<$buffer>, zero if eof
or a negative number on error.

Usage is

$status = $z->read($buffer, $length)
$status = $z->read($buffer, $length, $offset)

$status = read($z, $buffer, $length)
$status = read($z, $buffer, $length, $offset)

Attempt to read C<$length> bytes of uncompressed data into C<$buffer>.

The main difference between this form of the C<read> method and the
previous one, is that this one will attempt to return I<exactly> C<$length>
bytes. The only circumstances that this function will not is if end-of-file
or an IO error is encountered.

Returns the number of uncompressed bytes written to C<$buffer>, zero if eof
or a negative number on error.

Usage is

$line = $z->getline()
$line = <$z>

Reads a single line.

This method fully supports the use of the variable C<$/> (or
C<$INPUT_RECORD_SEPARATOR> or C<$RS> when C<English> is in use) to
determine what constitutes an end of line. Paragraph mode, record mode and
file slurp mode are all supported.
=head2 getc

Usage is

$char = $z->getc()

Read a single character.

=head2 ungetc

Usage is

$char = $z->ungetc($string)

=head2 getHeaderInfo

Usage is

$hdr = $z->getHeaderInfo();
@hdrs = $z->getHeaderInfo();

This method returns either a hash reference (in scalar context) or a list or hash references (in array context) that contains information about each of the header fields in the compressed data stream(s).

=head2 tell

Usage is

$z->tell()
tell $z

Returns the uncompressed file offset.

=head2 eof

Usage is

$z->eof();
eof($z);

Returns true if the end of the compressed input stream has been reached.

=head2 seek

$z->seek($position, $whence);
seek($z, $position, $whence);
Provides a sub-set of the C<seek> functionality, with the restriction that it is only legal to seek forward in the input file/buffer. It is a fatal error to attempt to seek backward.

Note that the implementation of C<seek> in this module does not provide true random access to a compressed file/buffer. It works by uncompressing data from the current offset in the file/buffer until it reaches the uncompressed offset specified in the parameters to C<seek>. For very small files this may be acceptable behaviour. For large files it may cause an unacceptable delay.

The C<$whence> parameter takes one of the usual values, namely SEEK_SET, SEEK_CUR or SEEK_END.

Returns 1 on success, 0 on failure.

=head2 binmode

Usage is

   $z->binmode
   binmode $z ;

This is a noop provided for completeness.

=head2 opened

   $z->opened()

Returns true if the object currently refers to an opened file/buffer.

=head2 autoflush

   my $prev = $z->autoflush()
   my $prev = $z->autoflush(EXPR)

If the C<$z> object is associated with a file or a filehandle, this method returns the current autoflush setting for the underlying filehandle. If C<EXPR> is present, and is non-zero, it will enable flushing after every write/print operation.

If C<$z> is associated with a buffer, this method has no effect and always returns C<undef>.

B<Note> that the special variable C<$|> B<cannot> be used to set or retrieve the autoflush setting.
=head2 input_line_number

$z->input_line_number()
$z->input_line_number(EXPR)

Returns the current uncompressed line number. If C<EXPR> is present it has the effect of setting the line number. Note that setting the line number does not change the current position within the file/buffer being read.

The contents of C<$/> are used to determine what constitutes a line terminator.

=head2 fileno

$z->fileno()
fileno($z)

If the C<$z> object is associated with a file or a filehandle, C<fileno> will return the underlying file descriptor. Once the C<close> method is called C<fileno> will return C<undef>.

If the C<$z> object is associated with a buffer, this method will return C<undef>.

=head2 close

$z->close() ;
close $z ;

Closes the output file/buffer.

For most versions of Perl this method will be automatically invoked if the IO::Uncompress::Bunzip2 object is destroyed (either explicitly or by the variable with the reference to the object going out of scope). The exceptions are Perl versions 5.005 through 5.00504 and 5.8.0. In these cases, the C<close> method will be called automatically, but not until global destruction of all live objects when the program is terminating.

Therefore, if you want your scripts to be able to run on all versions of Perl, you should call C<close> explicitly and not rely on automatic closing.

Returns true on success, otherwise 0.

If the C<AutoClose> option has been enabled when the IO::Uncompress::Bunzip2 object was created, and the object is associated with a file, the underlying file will also be closed.
Usage is

    my $status = $z->nextStream();

Skips to the next compressed data stream in the input file/buffer. If a new compressed data stream is found, the eof marker will be cleared and C<$status> will be reset to 0.

Returns 1 if a new stream was found, 0 if none was found, and -1 if an error was encountered.

Usage is

    my $data = $z->trailingData();

Returns the data, if any, that is present immediately after the compressed data stream once uncompression is complete. It only makes sense to call this method once the end of the compressed data stream has been encountered.

This option can be used when there is useful information immediately following the compressed data stream, and you don't know the length of the compressed data stream.

If the input is a buffer, C<trailingData> will return everything from the end of the compressed data stream to the end of the buffer.

If the input is a filehandle, C<trailingData> will return the data that is left in the filehandle input buffer once the end of the compressed data stream has been reached. You can then use the filehandle to read the rest of the input file.

Don't bother using C<trailingData> if the input is a filename.

If you know the length of the compressed data stream before you start uncompressing, you can avoid having to use C<trailingData> by setting the C<InputLength> option in the constructor.

No symbolic constants are required by this IO::Uncompress::Bunzip2 at present.
Imports C<bunzip2> and C<$Bunzip2Error>.
Same as doing this

    use IO::Uncompress::Bunzip2 qw(bunzip2 $Bunzip2Error);

=head1 EXAMPLES

=head2 Working with Net::FTP

See L<IO::Compress::FAQ|IO::Compress::FAQ/"Compressed files and Net::FTP”>

=head1 SEE ALSO

L<Compress::Zlib>, L<IO::Compress::Gzip>, L<IO::Uncompress::Gunzip>, L<IO::Compress::Deflate>,
L<IO::Uncompress::Inflate>, L<IO::Compress::RawDeflate>, L<IO::Uncompress::RawInflate>,
L<IO::Compress::Bzip2>, L<IO::Compress::Lzma>, L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>,
L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>, L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>,
L<IO::Uncompress::UnLzf>, L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>

L<IO::Compress::FAQ|IO::Compress::FAQ>

L<File::GlobMapper|File::GlobMapper>, L<Archive::Zip|Archive::Zip>,
L<Archive::Tar|Archive::Tar>,
L<IO::Zlib|IO::Zlib>

The primary site for the bzip2 program is L<http://www.bzip.org>.

See the module L<Compress::Bzip2|Compress::Bzip2>

=head1 AUTHOR

This module was written by Paul Marquess, C<pmqs@cpan.org>.

=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-2.081/lib/IO/Uncompress/Bunzip2.pm

No license file was found, but licenses were detected in source scan.

=head1 EXIT CODES

If all your tests passed, Test::Builder will exit with zero (which is normal). If anything failed it will exit with how many failed. If you run less (or more) tests than you planned, the missing (or extras) will be considered failures. If no tests were ever run Test::Builder will throw a warning and exit with 255. If the test died, even after having successfully completed all its tests, it will still be considered a failure and will exit with 255.

So the exit codes are...

   0       all tests successful
   255     test died
   any other number  how many failed (including missing or extras)

If you fail more than 254 tests, it will be reported as 254.

=head1 THREADS

In perl 5.8.0 and later, Test::Builder is thread-safe. The test number is shared amongst all threads. This means if one thread sets the test number using current_test() they will all be effected.

Test::Builder is only thread-aware if threads.pm is loaded I<before> Test::Builder.

=head1 EXAMPLES

CPAN can provide the best examples. Test::Simple, Test::More, Test::Exception and Test::Differences all use Test::Builder.

=head1 SEE ALSO

Test::Simple, Test::More, Test::Harness

=head1 AUTHORS

Original code by chromatic, maintained by Michael G Schwern
E<lt>schwern@pobox.comE<gt>
COPYRIGHT

Copyright 2002, 2004 by chromatic <chrismatic@wgz.org> and
Michael G Schwern <schwern@pobox.com>.

This program is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

See <http://www.perl.com/perl/misc/Artistic.html>

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-
b7YvqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-2.081/t/Test/Builder.pm
No license file was found, but licenses were detected in source scan.

---
abstract: 'IO Interface to compressed data files/buffers'
author:
- 'Paul Marquess <pmqs@cpan.org>'
built_requires:
  ExtUtils::MakeMaker: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.1001, CPAN::Meta::Converter version 2.150005'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: IO-Compress
no_index:
directory:
  - t
  - inc
  - t
  - private
requires:
  Compress::Raw::Bzip2: '2.081'
  Compress::Raw::Zlib: '2.081'
  Scalar::Util: '0'
  version: '2.081'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-
b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-2.081/META.yml
No license file was found, but licenses were detected in source scan.

=head1 NAME

IO::Uncompress::AnyInflate - Uncompress zlib-based (zip, gzip) file/buffer

=head1 SYNOPSIS

use IO::Uncompress::AnyInflate qw(anyinflate $AnyInflateError) ;

my $status = anyinflate $Input => $Output [,OPTS]
  or die "anyinflate failed: $AnyInflateError\n";

my $z = new IO::Uncompress::AnyInflate $Input [OPTS]
  or die "anyinflate failed: $AnyInflateError\n";

$status = $z->read($Buffer)
$status = $z->read($Buffer, $Length)
$status = $z->read($Buffer, $Length, $Offset)
$Line = $z->getline()
$Char = $z->getc()
$Char = $z->ungetc()
$Char = $z->opened()

$status = $z->inflateSync()

$Data = $z->trailingData()
$status = $z->nextStream()
$Data = $z->getHeaderInfo()
$z->tell()
$z->seek($Position, $Whence)
$z->binmode()
$z->fileno()
$z->eof()
$z->close()

$AnyInflateError ;

# IO::File mode

<$z>
read($z, $Buffer);
read($z, $Buffer, $Length);
read($z, $Buffer, $Length, $Offset);
tell($z)
seek($z, $Position, $Whence)
binmode($z)
=head1 DESCRIPTION

This module provides a Perl interface that allows the reading of files/buffers that have been compressed in a number of formats that use the zlib compression library.

The formats supported are

=over 5
=item RFC 1950
=item RFC 1951 (optionally)
=item gzip (RFC 1952)
=item zip
=back

The module will auto-detect which, if any, of the supported compression formats is being used.

=head1 Functional Interface

A top-level function, C<anyinflate>, is provided to carry out "one-shot" uncompression between buffers and/or files. For finer control over the uncompression process, see the L</"OO Interface"> section.

use IO::Uncompress::AnyInflate qw(anyinflate $AnyInflateError) ;

anyinflate $input_filename_or_reference => $output_filename_or_reference [,OPTS]
or die "anyinflate failed: $AnyInflateError\n";

The functional interface needs Perl 5.005 or better.

=head2 anyinflate $input_filename_or_reference => $output_filename_or_reference [, OPTS]

C<anyinflate> expects at least two parameters, C<$input_filename_or_reference> and C<$output_filename_or_reference>.

=head3 The C<$input_filename_or_reference> parameter
The parameter, C<$input_filename_or_reference>, is used to define the source of the compressed data.

It can take one of the following forms:

=over 5

=item A filename

If the C<$input_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for reading and the input data will be read from it.

=item A filehandle

If the C<$input_filename_or_reference> parameter is a filehandle, the input data will be read from it. The string '-' can be used as an alias for standard input.

=item A scalar reference

If C<$input_filename_or_reference> is a scalar reference, the input data will be read from C<$$input_filename_or_reference>.

=item An array reference

If C<$input_filename_or_reference> is an array reference, each element in the array must be a filename.

The input data will be read from each file in turn. The complete array will be walked to ensure that it only contains valid filenames before any data is uncompressed.

=item An Input FileGlob string

If C<$input_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<anyinflate> will assume that it is an I<input fileglob string>. The input is the list of files that match the fileglob.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the C<$input_filename_or_reference> parameter is any other type, C<undef> will be returned.
The parameter `$output_filename_or_reference` is used to control the destination of the uncompressed data. This parameter can take one of these forms.

- A filename
  If the `$output_filename_or_reference` parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the uncompressed data will be written to it.

- A filehandle
  If the `$output_filename_or_reference` parameter is a filehandle, the uncompressed data will be written to it. The string '-' can be used as an alias for standard output.

- A scalar reference
  If `$output_filename_or_reference` is a scalar reference, the uncompressed data will be stored in `$output_filename_or_reference`.

- An Array Reference
  If `$output_filename_or_reference` is an array reference, the uncompressed data will be pushed onto the array.

- An Output FileGlob
  If `$output_filename_or_reference` is a string that is delimited by the characters "<" and ">" `anyinflate` will assume that it is an I<output fileglob string>. The output is the list of files that match the fileglob.

  When `$output_filename_or_reference` is an fileglob string, `$input_filename_or_reference` must also be a fileglob string. Anything else is an error.

  See L<File::GlobMapper|File::GlobMapper> for more details.

If the `$output_filename_or_reference` parameter is any other type, `undef` will be returned.
When `$input_filename_or_reference` maps to multiple compressed files/buffers and `$output_filename_or_reference` is a single file/buffer, after uncompression `$output_filename_or_reference` will contain a concatenation of all the uncompressed data from each of the input files/buffers.

### Optional Parameters

Unless specified below, the optional parameters for `$anyinflate`, `$OPTS`, are the same as those used with the OO interface defined in the L</"Constructor Options"> section below.

- **AutoClose**
  ```
  AutoClose => 0|1
  ```

  This option applies to any input or output data streams to `$anyinflate` that are filehandles.

  If `AutoClose` is specified, and the value is true, it will result in all input and/or output filehandles being closed once `$anyinflate` has completed.

  This parameter defaults to 0.

- **BinModeOut**
  ```
  BinModeOut => 0|1
  ```

  When writing to a file or filehandle, set `binmode` before writing to the file.

  Defaults to 0.

- **Append**
  ```
  Append => 0|1
  ```

  The behaviour of this option is dependent on the type of output data stream.

- **A Buffer**
  ```
  A Buffer
  ```

  If `Append` is enabled, all uncompressed data will be append to the end of the output buffer. Otherwise the output buffer will be cleared before any uncompressed data is written to it.

- **A Filename**
If C<Append> is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any uncompressed data is written to it.

=item * A Filehandle

If C<Append> is enabled, the filehandle will be positioned to the end of the file via a call to C<seek> before any uncompressed data is written to it. Otherwise the file pointer will not be moved.

=back

When C<Append> is specified, and set to true, it will I<append> all uncompressed data to the output data stream.

So when the output is a filehandle it will carry out a seek to the eof before writing any uncompressed data. If the output is a filename, it will be opened for appending. If the output is a buffer, all uncompressed data will be appended to the existing buffer.

Conversely when C<Append> is not specified, or it is present and is set to false, it will operate as follows.

When the output is a filename, it will truncate the contents of the file before writing any uncompressed data. If the output is a filehandle its position will not be changed. If the output is a buffer, it will be wiped before any uncompressed data is output.

Defaults to 0.

=item C<< MultiStream => 0|1 >>

If the input file-buffer contains multiple compressed data streams, this option will uncompress the whole lot as a single data stream.

Defaults to 0.

=item C<< TrailingData => $scalar >>

Returns the data, if any, that is present immediately after the compressed data stream once uncompression is complete.

This option can be used when there is useful information immediately following the compressed data stream, and you don't know the length of the compressed data stream.

If the input is a buffer, C<trailingData> will return everything from the
end of the compressed data stream to the end of the buffer.

If the input is a filehandle, C<trailingData> will return the data that is
left in the filehandle input buffer once the end of the compressed data
stream has been reached. You can then use the filehandle to read the rest
of the input file.

Don't bother using C<trailingData> if the input is a filename.

If you know the length of the compressed data stream before you start
uncompressing, you can avoid having to use C<trailingData> by setting the
C<InputLength> option.

=back

=head2 Examples

To read the contents of the file C<file1.txt.Compressed> and write the
uncompressed data to the file C<file1.txt>.

  use strict ;
  use warnings ;
  use IO::Uncompress::AnyInflate qw(anyinflate $AnyInflateError) ;

  my $input = "file1.txt.Compressed";
  my $output = "file1.txt";
  anyinflate $input => $output
      or die "anyinflate failed: $AnyInflateError\n";

To read from an existing Perl filehandle, C<$input>, and write the
uncompressed data to a buffer, C<$buffer>.

  use strict ;
  use warnings ;
  use IO::Uncompress::AnyInflate qw(anyinflate $AnyInflateError) ;
  use IO::File ;

  my $input = new IO::File "<file1.txt.Compressed"
      or die "Cannot open 'file1.txt.Compressed': $!\n";
  my $buffer ;
  anyinflate $input => $buffer
      or die "anyinflate failed: $AnyInflateError\n";

To uncompress all files in the directory "/my/home" that match ".*txt.Compressed" and store the compressed data in
the same directory

  use strict ;
  use warnings ;
use IO::Uncompress::AnyInflate qw(anyinflate $AnyInflateError) ;

anyinflate '/<my/home/*.txt.Compressed>' => '</my/home/#1.txt>'
  or die "anyinflate failed: $AnyInflateError\n";

and if you want to compress each file one at a time, this will do the trick

use strict ;
use warnings ;
use IO::Uncompress::AnyInflate qw(anyinflate $AnyInflateError) ;

for my $input ( glob '/my/home/*.txt.Compressed' )
{
    my $output = $input;
    $output =~ s/\W/.Compressed// ;
    anyinflate $input => $output
        or die "Error compressing $input': $AnyInflateError\n";
}

=head1 OO Interface

=head2 Constructor

The format of the constructor for IO::Uncompress::AnyInflate is shown below

    my $z = new IO::Uncompress::AnyInflate $input [OPTS]
    or die "IO::Uncompress::AnyInflate failed: $AnyInflateError\n";

Returns an C<IO::Uncompress::AnyInflate> object on success and undef on failure.
The variable C<$AnyInflateError> will contain an error message on failure.

If you are running Perl 5.005 or better the object, C<$z>, returned from
IO::Uncompress::AnyInflate can be used exactly like an L<IO::File|IO::File> filehandle.
This means that all normal input file operations can be carried out with
C<$z>. For example, to read a line from a compressed file/buffer you can
use either of these forms

    $line = $z->getline();
    $line = <$z>;

The mandatory parameter C<$input> is used to determine the source of the
compressed data. This parameter can take one of three forms.

=over 5

=item A filename

If the C<$input> parameter is a scalar, it is assumed to be a filename. This
file will be opened for reading and the compressed data will be read from it.

=item A filehandle

If the \$input parameter is a filehandle, the compressed data will be read from it. The string '-' can be used as an alias for standard input.

=item A scalar reference

If \$input is a scalar reference, the compressed data will be read from \$input.

=back

=head2 Constructor Options

The option names defined below are case insensitive and can be optionally prefixed by a '-'. So all of the following are valid:

- AutoClose
- autoclose
  AUTOCLOSE
  autoclose

OPTS is a combination of the following options:

=over 5

=item C<< AutoClose => 0|1 >>

This option is only valid when the \$input parameter is a filehandle. If specified, and the value is true, it will result in the file being closed once either the \$close method is called or the IO::Uncompress::AnyInflate object is destroyed.

This parameter defaults to 0.

=item C<< MultiStream => 0|1 >>

Allows multiple concatenated compressed streams to be treated as a single compressed stream. Decompression will stop once either the end of the file/buffer is reached, an error is encountered (premature eof, corrupt compressed data) or the end of a stream is not immediately followed by the start of another stream.

This parameter defaults to 0.
This option will uncompress the contents of \$string before processing the input file/buffer.

This option can be useful when the compressed data is embedded in another file/data structure and it is not possible to work out where the compressed data begins without having to read the first few bytes. If this is the case, the uncompression can be primed with these bytes using this option.

If this option is set and the input file/buffer is not compressed data, the module will allow reading of it anyway.

In addition, if the input file/buffer does contain compressed data and there is non-compressed data immediately following it, setting this option will make this module treat the whole file/buffer as a single data stream.

This option defaults to 1.

When reading the compressed input data, IO::Uncompress::AnyInflate will read it in blocks of \$num bytes.

This option defaults to 4096.

When present this option will limit the number of compressed bytes read from the input file/buffer to \$size. This option can be used in the situation where there is useful data directly after the compressed data stream and you know beforehand the exact length of the compressed data stream.

This option is mostly used when reading from a filehandle, in which case the file pointer will be left pointing to the first byte directly after the compressed data stream.

This option defaults to off.

This option controls what the \<read\> method does with uncompressed data.

If set to 1, all uncompressed data will be appended to the output parameter
of the C\texttt{read} method.

If set to 0, the contents of the output parameter of the C\texttt{read} method
will be overwritten by the uncompressed data.

Defaults to 0.

\begin{verbatim}
=item C<< Strict => 0|1 >>
\end{verbatim}

This option controls whether the extra checks defined below are used when
carrying out the decompression. When Strict is on, the extra tests are
carried out, when Strict is off they are not.

The default for this option is off.

If the input is an RFC 1950 data stream, the following will be checked:

\begin{verbatim}
=over 5
=site 1
The ADLER32 checksum field must be present.
=site 2
The value of the ADLER32 field read must match the adler32 value of the
uncompressed data actually contained in the file.
\end{verbatim}

If the input is a gzip (RFC 1952) data stream, the following will be checked:

\begin{verbatim}
=over 5
=site 1
If the FHCRC bit is set in the gzip FLG header byte, the CRC16 bytes in the
header must match the crc16 value of the gzip header actually read.
=site 2
If the gzip header contains a name field (FNAME) it consists solely of ISO
8859-1 characters.
=site 3
If the gzip header contains a comment field (FCOMMENT) it consists solely
of ISO 8859-1 characters plus line-feed.
\end{verbatim}
=item 4

If the gzip FEXTRA header field is present it must conform to the sub-field structure as defined in RFC 1952.

=back

=item C<< RawInflate => 0|1 >>

When auto-detecting the compressed format, try to test for raw-deflate (RFC 1951) content using the C<IO::Uncompress::RawInflate> module.

The reason this is not default behaviour is because RFC 1951 content can only be detected by attempting to uncompress it. This process is error prone and can result in false positives.

Defaults to 0.

=back

=item C<< ParseExtra => 0|1 >>

If the gzip FEXTRA header field is present and this option is set, it will force the module to check that it conforms to the sub-field structure as defined in RFC 1952.

If the C<Strict> is on it will automatically enable this option.

Defaults to 0.

=head2 Examples

TODO
=head1 Methods

=head2 read

Usage is

$status = $z->read($buffer)

Reads a block of compressed data (the size of the compressed block is determined by the C<Buffer> option in the constructor), uncompresses it and writes any uncompressed data into C<$buffer>. If the C<Append> parameter is set in the constructor, the uncompressed data will be appended to the C<$buffer> parameter. Otherwise C<$buffer> will be overwritten.

Returns the number of uncompressed bytes written to C<$buffer>, zero if eof or a negative number on error.

=head2 read

Usage is

$status = $z->read($buffer, $length)
$status = $z->read($buffer, $length, $offset)
$status = read($z, $buffer, $length)
$status = read($z, $buffer, $length, $offset)

Attempt to read C<$length> bytes of uncompressed data into C<$buffer>.

The main difference between this form of the C<read> method and the previous one, is that this one will attempt to return I<exactly> C<$length> bytes. The only circumstances that this function will not is if end-of-file or an IO error is encountered.

Returns the number of uncompressed bytes written to C<$buffer>, zero if eof or a negative number on error.

=head2 getline

Usage is

$line = $z->getline()
$line = <$z>

Reads a single line.

This method fully supports the use of the variable C<$/> (or C<$INPUT_RECORD_SEPARATOR> or C<$RS> when C<English> is in use) to
determine what constitutes an end of line. Paragraph mode, record mode and file slurp mode are all supported.

=head2 getc

Usage is

$char = $z->getc()

Read a single character.

=head2 ungetc

Usage is

$char = $z->ungetc($string)

=head2 inflateSync

Usage is

$status = $z->inflateSync()

TODO

=head2 getHeaderInfo

Usage is

$hdr  = $z->getHeaderInfo();
@hdrs = $z->getHeaderInfo();

This method returns either a hash reference (in scalar context) or a list or hash references (in array context) that contains information about each of the header fields in the compressed data stream(s).

=head2 tell

Usage is

$z->tell()

tell $z

Returns the uncompressed file offset.

=head2 eof

Usage is
$z->eof();
eof($z);

Returns true if the end of the compressed input stream has been reached.

=head2 seek

$z->seek($position, $whence);
seek($z, $position, $whence);

Provides a sub-set of the C<seek> functionality, with the restriction that it is only legal to seek forward in the input file/buffer. It is a fatal error to attempt to seek backward.

Note that the implementation of C<seek> in this module does not provide true random access to a compressed file/buffer. It works by uncompressing data from the current offset in the file/buffer until it reaches the uncompressed offset specified in the parameters to C<seek>. For very small files this may be acceptable behaviour. For large files it may cause an unacceptable delay.

The C<$whence> parameter takes one the usual values, namely SEEK_SET, SEEK_CUR or SEEK_END.

Returns 1 on success, 0 on failure.

=head2 binmode

Usage is

$z->binmode
binmode $z ;

This is a noop provided for completeness.

=head2 opened

$z->opened()

Returns true if the object currently refers to a opened file/buffer.

=head2 autoflush

my $prev = $z->autoflush()
my $prev = $z->autoflush(EXPR)

If the C<$z> object is associated with a file or a filehandle, this method
returns the current autoflush setting for the underlying filehandle. If C<EXPR> is present, and is non-zero, it will enable flushing after every write/print operation.

If C<$z> is associated with a buffer, this method has no effect and always returns C<undef>.

B<Note> that the special variable C<$|> B<cannot> be used to set or retrieve the autoflush setting.

=head2 input_line_number

$z->input_line_number()
$z->input_line_number(EXPR)

Returns the current uncompressed line number. If C<EXPR> is present it has the effect of setting the line number. Note that setting the line number does not change the current position within the file/buffer being read.

The contents of C<$/> are used to determine what constitutes a line terminator.

=head2 fileno

$z->fileno()
fileno($z)

If the C<$z> object is associated with a file or a filehandle, C<fileno> will return the underlying file descriptor. Once the C<close> method is called C<fileno> will return C<undef>.

If the C<$z> object is associated with a buffer, this method will return C<undef>.

=head2 close

$z->close();
close $z ;

Closes the output file/buffer.

For most versions of Perl this method will be automatically invoked if the IO::Uncompress::AnyInflate object is destroyed (either explicitly or by the variable with the reference to the object going out of scope). The exceptions are Perl versions 5.005 through 5.00504 and 5.8.0. In these cases, the C<close> method will be called automatically, but not until global destruction of all live objects when the program is terminating.
Therefore, if you want your scripts to be able to run on all versions of Perl, you should call `close` explicitly and not rely on automatic closing.

Returns true on success, otherwise 0.

If the `AutoClose` option has been enabled when the IO::Uncompress::AnyInflate object was created, and the object is associated with a file, the underlying file will also be closed.

=head2 nextStream

Usage is

    my $status = $z->nextStream();

Skips to the next compressed data stream in the input file/buffer. If a new compressed data stream is found, the eof marker will be cleared and `$.` will be reset to 0.

Returns 1 if a new stream was found, 0 if none was found, and -1 if an error was encountered.

=head2 trailingData

Usage is

    my $data = $z->trailingData();

Returns the data, if any, that is present immediately after the compressed data stream once uncompression is complete. It only makes sense to call this method once the end of the compressed data stream has been encountered.

This option can be used when there is useful information immediately following the compressed data stream, and you don't know the length of the compressed data stream.

If the input is a buffer, `trailingData` will return everything from the end of the compressed data stream to the end of the buffer.

If the input is a filehandle, `trailingData` will return the data that is left in the filehandle input buffer once the end of the compressed data stream has been reached. You can then use the filehandle to read the rest of the input file.

Don't bother using `trailingData` if the input is a filename.
If you know the length of the compressed data stream before you start uncompressing, you can avoid having to use `C<trailingData>` by setting the `C<InputLength>` option in the constructor.

=head1 Importing

No symbolic constants are required by this `IO::Uncompress::AnyInflate` at present.

=over 5

=item :all

Imports `C<anyinflate>` and `C<$AnyInflateError>`.

Same as doing this

```perl
use IO::Uncompress::AnyInflate qw(anyinflate $AnyInflateError);
```

=back

=head1 EXAMPLES

=head2 Working with `Net::FTP`

See `L<IO::Compress::FAQ/IO::Compress::FAQ/"Compressed files and Net::FTP">`

=head1 SEE ALSO

`L<Compress::Zlib>`, `L<IO::Compress::Gzip>`, `L<IO::Uncompress::Gunzip>`, `L<IO::Compress::Deflate>`, `L<IO::Uncompress::Inflate>`, `L<IO::Compress::RawDeflate>`, `L<IO::Uncompress::RawInflate>`, `L<IO::Compress::Bzip2>`, `L<IO::Uncompress::Bunzip2>`, `L<IO::Compress::Lzma>`, `L<IO::Uncompress::UnLzma>`, `L<IO::Compress::Xz>`, `L<IO::Uncompress::UnXz>`, `L<IO::Compress::Lzop>`, `L<IO::Uncompress::UnLzop>`, `L<IO::Compress::Lzf>`, `L<IO::Uncompress::UnLzf>`, `L<IO::Uncompress::AnyUncompress>`

`L<IO::Compress::FAQ/IO::Compress::FAQ>`

`L<File::GlobMapper/File::GlobMapper>`, `L<Archive::Zip/Archive::Zip>`, `L<Archive::Tar/Archive::Tar>`, `L<IO::Zlib/IO::Zlib>`

For RFC 1950, 1951 and 1952 see


The `I<zlib>` compression library was written by Jean-loup Gailly `C<gzip@prep.ai.mit.edu>` and Mark Adler `C<madler@alumni.caltech.edu>`.
The primary site for the I<zlib> compression library is L<http://www.zlib.org>.

The primary site for gzip is L<http://www.gzip.org>.

=head1 AUTHOR

This module was written by Paul Marquess, C<pmqs@cpan.org>.

=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-2.081/lib/IO/Uncompress/AnyInflate.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

IO::Uncompress::Unzip - Read zip files/buffers

=head1 SYNOPSIS

use IO::Uncompress::Unzip qw(unzip $UnzipError) ;

my $status = unzip $input => $output [,OPTS]
    or die "unzip failed: $UnzipError\n";

my $z = new IO::Uncompress::Unzip $input [OPTS]
    or die "unzip failed: $UnzipError\n";

$status = $z->read($buffer)
$status = $z->read($buffer, $length)
$status = $z->read($buffer, $length, $offset)
$line = $z->getline()
$char = $z->getc()
$char = $z->ungetc()
$char = $z->opened()
$status = $z->inflateSync()

$data = $z->trailingData()
$status = $z->nextStream()
$data = $z->getHeaderInfo()
$z->tell()
$z->seek($position, $whence)
$z->binmode()
$z->fileno()
$z->eof()
$z->close()

$UnzipError ;

# IO::File mode

<$z>
read($z, $buffer);
read($z, $buffer, $length);
read($z, $buffer, $length, $offset);
tell($z)
seek($z, $position, $whence)
binmode($z)
fileno($z)
eof($z)
close($z)

=head1 DESCRIPTION

This module provides a Perl interface that allows the reading of zlib files/buffers.

For writing zip files/buffers, see the companion module IO::Compress::Zip.

=head1 Functional Interface

A top-level function, C<unzip>, is provided to carry out "one-shot" uncompression between buffers and/or files. For finer control over the uncompression process, see the L</"OO Interface"> section.

use IO::Uncompress::Unzip qw(unzip $UnzipError) ;

unzip $input_filename_or_reference => $output_filename_or_reference [,OPTS]
  or die "unzip failed: $UnzipError\n";

The functional interface needs Perl5.005 or better.
unzip $input_filename_or_reference => $output_filename_or_reference [, OPTS]

`unzip` expects at least two parameters, `$input_filename_or_reference` and `$output_filename_or_reference`.

The parameter, `$input_filename_or_reference`, is used to define the source of the compressed data.

It can take one of the following forms:

- A filename
  
  If the `$input_filename_or_reference` parameter is a simple scalar, it is assumed to be a filename. This file will be opened for reading and the input data will be read from it.

- A filehandle
  
  If the `$input_filename_or_reference` parameter is a filehandle, the input data will be read from it. The string '-' can be used as an alias for standard input.

- A scalar reference
  
  If `$input_filename_or_reference` is a scalar reference, the input data will be read from `$input_filename_or_reference`.

- An array reference
  
  If `$input_filename_or_reference` is an array reference, each element in the array must be a filename.

  The input data will be read from each file in turn.

  The complete array will be walked to ensure that it only contains valid filenames before any data is uncompressed.

- An Input FileGlob string
  
  If `$input_filename_or_reference` is a string that is delimited by the characters "<" and ">" `unzip` will assume that it is a list of files that match the fileglob.
See L<File::GlobMapper|File::GlobMapper> for more details.

If the C<$input_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head3 The C<$output_filename_or_reference> parameter

The parameter C<$output_filename_or_reference> is used to control the destination of the uncompressed data. This parameter can take one of these forms.

=over 5

=item A filename

If the C<$output_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the uncompressed data will be written to it.

=item A filehandle

If the C<$output_filename_or_reference> parameter is a filehandle, the uncompressed data will be written to it. The string '-' can be used as an alias for standard output.

=item A scalar reference

If C<$output_filename_or_reference> is a scalar reference, the uncompressed data will be stored in C<$$output_filename_or_reference>.

=item An Array Reference

If C<$output_filename_or_reference> is an array reference, the uncompressed data will be pushed onto the array.

=item An Output FileGlob

If C<$output_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<unzip> will assume that it is an I<output fileglob string>. The output is the list of files that match the fileglob.

When C<$output_filename_or_reference> is a fileglob string, C<$input_filename_or_reference> must also be a fileglob string. Anything else is an error.
See `File::GlobMapper` for more details.

If the `$output_filename_or_reference` parameter is any other type, `$undef` will be returned.

=head2 Notes

When `$input_filename_or_reference` maps to multiple compressed files/buffers and `$output_filename_or_reference` is a single file/buffer, after uncompression `$output_filename_or_reference` will contain a concatenation of all the uncompressed data from each of the input files/buffers.

=head2 Optional Parameters

Unless specified below, the optional parameters for `unzip`, `$OPTS`, are the same as those used with the OO interface defined in the `Constructor Options` section below.

=over 5

=item `AutoClose => 0|1` >

This option applies to any input or output data streams to `$unzip` that are filehandles.

If `AutoClose` is specified, and the value is true, it will result in all input and/or output filehandles being closed once `$unzip` has completed.

This parameter defaults to 0.

=item `BinModeOut => 0|1` >

When writing to a file or filehandle, set `binmode` before writing to the file.

Defaults to 0.

=item `Append => 0|1` >

The behaviour of this option is dependent on the type of output data stream.

=over 5
=item * A Buffer

If C<Append> is enabled, all uncompressed data will be append to the end of the output buffer. Otherwise the output buffer will be cleared before any uncompressed data is written to it.

=item * A Filename

If C<Append> is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any uncompressed data is written to it.

=item * A Filehandle

If C<Append> is enabled, the filehandle will be positioned to the end of the file via a call to C<seek> before any uncompressed data is written to it. Otherwise the file pointer will not be moved.

=back

When C<Append> is specified, and set to true, it will I<append> all uncompressed data to the output data stream.

So when the output is a filehandle it will carry out a seek to the eof before writing any uncompressed data. If the output is a filename, it will be opened for appending. If the output is a buffer, all uncompressed data will be appended to the existing buffer.

Conversely when C<Append> is not specified, or it is present and is set to false, it will operate as follows.

When the output is a filename, it will truncate the contents of the file before writing any uncompressed data. If the output is a filehandle its position will not be changed. If the output is a buffer, it will be wiped before any uncompressed data is output.

Defaults to 0.

=item C<< MultiStream => 0|1 >>

If the input file/buffer contains multiple compressed data streams, this option will uncompress the whole lot as a single data stream.

Defaults to 0.

=item C<< TrailingData => $scalar >>
Returns the data, if any, that is present immediately after the compressed data stream once uncompression is complete.

This option can be used when there is useful information immediately following the compressed data stream, and you don't know the length of the compressed data stream.

If the input is a buffer, C<trailingData> will return everything from the end of the compressed data stream to the end of the buffer.

If the input is a filehandle, C<trailingData> will return the data that is left in the filehandle input buffer once the end of the compressed data stream has been reached. You can then use the filehandle to read the rest of the input file.

Don't bother using C<trailingData> if the input is a filename.

If you know the length of the compressed data stream before you start uncompressing, you can avoid having to use C<trailingData> by setting the C<InputLength> option.

=head2 Examples

Say you have a zip file, C<file1.zip>, that only contains a single member, you can read it and write the uncompressed data to the file C<file1.txt> like this.

use strict ;
use warnings ;
use IO::Uncompress::Unzip qw(unzip $UnzipError) ;

my $input = "file1.zip";
my $output = "file1.txt";
unzip $input => $output
    or die "unzip failed: $UnzipError\n";

If you have a zip file that contains multiple members and want to read a specific member from the file, say C<"data1">, use the C{Name> option

use strict ;
use warnings ;
use IO::Uncompress::Unzip qw(unzip $UnzipError) ;

my $input = "file1.zip";
my $output = "file1.txt";
unzip $input => $output, Name => "data1"
Alternatively, if you want to read the C<&data1> member into memory, use a scalar reference for the C<&output> parameter.

use strict;
use warnings;
use IO::Uncompress::Unzip qw(unzip $UnzipError);

my $input = "file1.zip";
my $output;
unzip $input => \$output, Name => "data1"
  or die "unzip failed: $UnzipError\n";
# $output now contains the uncompressed data

To read from an existing Perl filehandle, C<&input>, and write the uncompressed data to a buffer, C<&buffer>.

use strict;
use warnings;
use IO::Uncompress::Unzip qw(unzip $UnzipError);
use IO::File;

my $input = new IO::File "<file1.zip"
  or die "Cannot open 'file1.zip': $!\n";
my $buffer;
unzip $input => \$buffer
  or die "unzip failed: $UnzipError\n";

=head1 OO Interface

=head2 Constructor

The format of the constructor for IO::Uncompress::Unzip is shown below

my $z = new IO::Uncompress::Unzip $input [OPTS]
  or die "IO::Uncompress::Unzip failed: $UnzipError\n";

Returns an C<IO::Uncompress::Unzip> object on success and undef on failure. The variable C<$UnzipError> will contain an error message on failure.

If you are running Perl 5.005 or better the object, C<$z>, returned from IO::Uncompress::Unzip can be used exactly like an L<IO::File> filehandle. This means that all normal input file operations can be carried out with C<$z>. For example, to read a line from a compressed file/buffer you can use either of these forms

$line = $z->getline;
$line = <$z>;

The mandatory parameter C<$input> is used to determine the source of the compressed data. This parameter can take one of three forms.

=over 5

=item A filename

If the C<$input> parameter is a scalar, it is assumed to be a filename. This file will be opened for reading and the compressed data will be read from it.

=item A filehandle

If the C<$input> parameter is a filehandle, the compressed data will be read from it. The string '-' can be used as an alias for standard input.

=item A scalar reference

If C<$input> is a scalar reference, the compressed data will be read from C<<$input>>.

=back

=head2 Constructor Options

The option names defined below are case insensitive and can be optionally prefixed by a '-'. So all of the following are valid

- AutoClose
  - autoclose
    AUTOCLOSE
      autoclose

OPTS is a combination of the following options:

=over 5

=item C<< Name => "membername" >>

Open "membername" from the zip file for reading.

=item C<< AutoClose => 0|1 >>

This option is only valid when the C<$input> parameter is a filehandle. If specified, and the value is true, it will result in the file being closed once either the C<close> method is called or the IO::Uncompress::Unzip object is
destroyed.

This parameter defaults to 0.

=item C<< MultiStream => 0|1 >>

Treats the complete zip file/buffer as a single compressed data stream. When reading in multi-stream mode each member of the zip file/buffer will be uncompressed in turn until the end of the file/buffer is encountered.

This parameter defaults to 0.

=item C<< Prime => $string >>

This option will uncompress the contents of C<$string> before processing the input file/buffer.

This option can be useful when the compressed data is embedded in another file/data structure and it is not possible to work out where the compressed data begins without having to read the first few bytes. If this is the case, the uncompression can be I<primed> with these bytes using this option.

=item C<< Transparent => 0|1 >>

If this option is set and the input file/buffer is not compressed data, the module will allow reading of it anyway.

In addition, if the input file/buffer does contain compressed data and there is non-compressed data immediately following it, setting this option will make this module treat the whole file/buffer as a single data stream.

This option defaults to 1.

=item C<< BlockSize => $num >>

When reading the compressed input data, IO::Uncompress::Unzip will read it in blocks of C<$num> bytes.

This option defaults to 4096.

=item C<< InputLength => $size >>

When present this option will limit the number of compressed bytes read from the input file/buffer to C<$size>. This option can be used in the situation where there is useful data directly after the compressed data stream and you know beforehand the exact length of the compressed data.
stream.

This option is mostly used when reading from a filehandle, in which case the file pointer will be left pointing to the first byte directly after the compressed data stream.

This option defaults to off.

=item C<< Append => 0|1 >>

This option controls what the C<read> method does with uncompressed data.

If set to 1, all uncompressed data will be appended to the output parameter of the C<read> method.

If set to 0, the contents of the output parameter of the C<read> method will be overwritten by the uncompressed data.

Defaults to 0.

=item C<< Strict => 0|1 >>

This option controls whether the extra checks defined below are used when carrying out the decompression. When Strict is on, the extra tests are carried out, when Strict is off they are not.

The default for this option is off.

=back

=head2 Examples

TODO

=head1 Methods

=head2 read

Usage is

$status = $z->read($buffer)

Reads a block of compressed data (the size of the compressed block is determined by the C<Buffer> option in the constructor), uncompresses it and writes any uncompressed data into C<$buffer>. If the C<Append> parameter is set in the constructor, the uncompressed data will be appended to the C<$buffer> parameter. Otherwise C<$buffer> will be overwritten.
Returns the number of uncompressed bytes written to \texttt{C<$buffer>$}, zero if \texttt{eof} or a negative number on error.

=head2 read

Usage is

\begin{verbatim}
$status = $z->read($buffer, $length)
$status = $z->read($buffer, $length, $offset)

$status = read($z, $buffer, $length)
$status = read($z, $buffer, $length, $offset)
\end{verbatim}

Attempt to read \texttt{C<$length>$} bytes of uncompressed data into \texttt{C<$buffer>$}.

The main difference between this form of the \texttt{C<read>} method and the previous one, is that this one will attempt to return \texttt{I<exactly> C<$length>$} bytes. The only circumstances that this function will not is if end-of-file or an IO error is encountered.

Returns the number of uncompressed bytes written to \texttt{C<$buffer>$}, zero if \texttt{eof} or a negative number on error.

=head2 getline

Usage is

\begin{verbatim}
$line = $z->getline()
$line = <$z>
\end{verbatim}

Reads a single line.

This method fully supports the use of the variable \texttt{C<$/>} (or \texttt{C<$INPUT_RECORD_SEPARATOR> or C<$RS> when C<English> is in use}) to determine what constitutes an end of line. Paragraph mode, record mode and file slurp mode are all supported.

=head2 getc

Usage is

\begin{verbatim}
$char = $z->getc()
\end{verbatim}

Read a single character.

=head2 ungetc

Usage is
$char = $z->ungetc($string)

=head2 inflateSync

Usage is

$status = $z->inflateSync()

TODO

=head2 getHeaderInfo

Usage is

$hdr = $z->getHeaderInfo();
@hdrs = $z->getHeaderInfo();

This method returns either a hash reference (in scalar context) or a list
or hash references (in array context) that contains information about each
of the header fields in the compressed data stream(s).

=head2 tell

Usage is

$z->tell()

Returns the uncompressed file offset.

=head2 eof

Usage is

$z->eof();
eof($z);

Returns true if the end of the compressed input stream has been reached.

=head2 seek

$z->seek($position, $whence);
seek($z, $position, $whence);

Provides a sub-set of the C<seek> functionality, with the restriction
that it is only legal to seek forward in the input file/buffer.
It is a fatal error to attempt to seek backward.
Note that the implementation of `seek` in this module does not provide true random access to a compressed file/buffer. It works by uncompressing data from the current offset in the file/buffer until it reaches the uncompressed offset specified in the parameters to `seek`. For very small files this may be acceptable behaviour. For large files it may cause an unacceptable delay.

The `$whence` parameter takes one the usual values, namely `SEEK_SET`, `SEEK_CUR` or `SEEK_END`.

Returns 1 on success, 0 on failure.

=head2 binmode

Usage is

```
$z->binmode
  binmode $z ;
```

This is a noop provided for completeness.

=head2 opened

```
$z->opened()
```

Returns true if the object currently refers to a opened file/buffer.

=head2 autoflush

```
my $prev = $z->autoflush()
my $prev = $z->autoflush(EXPR)
```

If the `$z` object is associated with a file or a filehandle, this method returns the current autoflush setting for the underlying filehandle. If `EXPR` is present, and is non-zero, it will enable flushing after every write/print operation.

If `$z` is associated with a buffer, this method has no effect and always returns `undef`.

B<Note> that the special variable `$|` B<cannot> be used to set or retrieve the autoflush setting.

=head2 input_line_number

```
$z->input_line_number()
$z->input_line_number(EXPR)
```
Returns the current uncompressed line number. If C<EXPR> is present it has the effect of setting the line number. Note that setting the line number does not change the current position within the file/buffer being read.

The contents of C<$/> are used to determine what constitutes a line terminator.

=head2 fileno

$z->fileno()
fileno($z)

If the C<$z> object is associated with a file or a filehandle, C<fileno> will return the underlying file descriptor. Once the C<close> method is called C<fileno> will return C<undef>.

If the C<$z> object is associated with a buffer, this method will return C<undef>.

=head2 close

$z->close() ;
close $z ;

Closes the output file/buffer.

For most versions of Perl this method will be automatically invoked if the IO::Uncompress::Unzip object is destroyed (either explicitly or by the variable with the reference to the object going out of scope). The exceptions are Perl versions 5.005 through 5.00504 and 5.8.0. In these cases, the C<close> method will be called automatically, but not until global destruction of all live objects when the program is terminating.

Therefore, if you want your scripts to be able to run on all versions of Perl, you should call C<close> explicitly and not rely on automatic closing.

Returns true on success, otherwise 0.

If the C<AutoClose> option has been enabled when the IO::Uncompress::Unzip object was created, and the object is associated with a file, the underlying file will also be closed.

=head2 nextStream

Usage is
my $status = $z->nextStream();

Skips to the next compressed data stream in the input file/buffer. If a new compressed data stream is found, the eof marker will be cleared and C<$> will be reset to 0.

Returns 1 if a new stream was found, 0 if none was found, and -1 if an error was encountered.

=head2 trailingData

Usage is

my $data = $z->trailingData();

Returns the data, if any, that is present immediately after the compressed data stream once uncompression is complete. It only makes sense to call this method once the end of the compressed data stream has been encountered.

This option can be used when there is useful information immediately following the compressed data stream, and you don't know the length of the compressed data stream.

If the input is a buffer, C<trailingData> will return everything from the end of the compressed data stream to the end of the buffer.

If the input is a filehandle, C<trailingData> will return the data that is left in the filehandle input buffer once the end of the compressed data stream has been reached. You can then use the filehandle to read the rest of the input file.

Don't bother using C<trailingData> if the input is a filename.

If you know the length of the compressed data stream before you start uncompressing, you can avoid having to use C<trailingData> by setting the C<InputLength> option in the constructor.

=head1 Importing

No symbolic constants are required by this IO::Uncompress::Unzip at present.

=over 5

=item :all

Imports C<unzip> and C<$UnzipError>.
Same as doing this

    use IO::Uncompress::Unzip qw(unzip $UnzipError) ;

=head1 EXAMPLES

=head2 Working with Net::FTP

See L<IO::Compress::FAQ|IO::Compress::FAQ/Compressed files and Net::FTP>

=head2 Walking through a zip file

The code below can be used to traverse a zip file, one compressed data stream at a time.

    use IO::Uncompress::Unzip qw($UnzipError);

    my $zipfile = "somefile.zip";
    my $u = new IO::Uncompress::Unzip $zipfile
        or die "Cannot open $zipfile: $UnzipError";

    my $status;
    for ($status = 1; $status > 0; $status = $u->nextStream())
    {
        my $name = $u->getHeaderInfo()->{Name};
        warn "Processing member $name\n" ;

        my $buff;
        while (($status = $u->read($buff)) > 0) {
            # Do something here
        }

        last if $status < 0;
    }

    die "Error processing $zipfile: $\n"
        if $status < 0 ;

Each individual compressed data stream is read until the logical end-of-file is reached. Then C<nextStream> is called. This will skip to the start of the next compressed data stream and clear the end-of-file flag.

It is also worth noting that C<nextStream> can be called at any time -- you don't have to wait until you have exhausted a compressed data stream before skipping to the next one.
Unzipping a complete zip file to disk

Daniel S. Sterling has written a script that uses C<IO::Uncompress::UnZip> to read a zip file and unzip its contents to disk.

The script is available from L<https://gist.github.com/eqhmcow/5389877>

SEE ALSO

L<Compress::Zlib>, L<IO::Compress::Gzip>, L<IO::Uncompress::Gunzip>, L<IO::Compress::Deflate>,
L<IO::Uncompress::Inflate>, L<IO::Compress::RawDeflate>, L<IO::Uncompress::RawInflate>,
L<IO::Compress::Bzip2>, L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>,
L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>, L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>,
L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>, L<IO::Uncompress::UnLzf>,
L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>

L<IO::Compress::FAQ|IO::Compress::FAQ>

L<File::GlobMapper|File::GlobMapper>, L<Archive::Zip|Archive::Zip>,
L<Archive::Tar|Archive::Tar>,
L<IO::Zlib|IO::Zlib>

For RFC 1950, 1951 and 1952 see
L<http://www.faqs.org/rfcs/rfc1950.html>,
L<http://www.faqs.org/rfcs/rfc1951.html> and

The I<zlib> compression library was written by Jean-loup Gailly C<gzip@prep.ai.mit.edu> and Mark Adler C<madler@alumni.caltech.edu>.

The primary site for the I<zlib> compression library is

The primary site for gzip is L<http://www.gzip.org>.

AUTHOR

This module was written by Paul Marquess, C<pmqs@cpan.org>.

MODIFICATION HISTORY

See the Changes file.

COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.
This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wqS0iXxq/IO-Compress-2.081/lib/IO/Uncompress/Unzip.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

IO::Compress::Bzip2 - Write bzip2 files/buffers

=head1 SYNOPSIS

use IO::Compress::Bzip2 qw(bzip2 $Bzip2Error) ;

my $status = bzip2 $input => $output [,OPTS]
        or die "bzip2 failed: $Bzip2Error\n";

my $z = new IO::Compress::Bzip2 $output [,OPTS]
        or die "bzip2 failed: $Bzip2Error\n";

$z->print($string);
$z->printf($format, $string);
$z->write($string);
$z->syswrite($string [, $length, $offset]);
$z->flush();
$z->tell();
$z->eof();
$z->seek($position, $whence);
$z->binmode();
$z->fileno();
$z->opened();
$z->autoflush();
$z->input_line_number();
$z->newStream [OPTS];

$z->close() ;

$Bzip2Error ;

# IO::File mode

print $z $string;
printf $z $format, $string;
tell $z
eof $z
seek $z, $position, $whence
binmode $z
fileno $z
close $z ;

=head1 DESCRIPTION

This module provides a Perl interface that allows writing bzip2 compressed data to files or buffer.

For reading bzip2 files/buffers, see the companion module L<IO::Uncompress::Bunzip2|IO::Uncompress::Bunzip2>.

=head1 Functional Interface

A top-level function, C<bzip2>, is provided to carry out "one-shot" compression between buffers and/or files. For finer control over the compression process, see the L</"OO Interface"> section.

use IO::Compress::Bzip2 qw(bzip2 $Bzip2Error) ;

bzip2 $input_filename_or_reference => $output_filename_or_reference [,OPTS]
or die "bzip2 failed: $Bzip2Error\n";

The functional interface needs Perl5.005 or better.

=head2 bzip2 $input_filename_or_reference => $output_filename_or_reference [, OPTS]

C<bzip2> expects at least two parameters, C<$input_filename_or_reference> and C<$output_filename_or_reference>.

=head3 The C<$input_filename_or_reference> parameter

The parameter, C<$input_filename_or_reference>, is used to define the source of the uncompressed data.

It can take one of the following forms:

=over 5

=item A filename

If the <$input_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for reading and the input data will be read from it.
=item A filehandle

If the C<$input_filename_or_reference> parameter is a filehandle, the input data will be read from it. The string '-' can be used as an alias for standard input.

=item A scalar reference

If C<$input_filename_or_reference> is a scalar reference, the input data will be read from C<$$input_filename_or_reference>.

=item An array reference

If C<$input_filename_or_reference> is an array reference, each element in the array must be a filename.

The input data will be read from each file in turn.

The complete array will be walked to ensure that it only contains valid filenames before any data is compressed.

=item An Input FileGlob string

If C<$input_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<bzip2> will assume that it is an I<input fileglob string>. The input is the list of files that match the fileglob.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the C<$input_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head3 The C<$output_filename_or_reference> parameter

The parameter C<$output_filename_or_reference> is used to control the destination of the compressed data. This parameter can take one of these forms.

=over 5

=item A filename

If the C<$output_filename_or_reference> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the compressed data will be written to it.
=item A filehandle

If the C<$output_filename_or_reference> parameter is a filehandle, the compressed data will be written to it. The string '-' can be used as an alias for standard output.

=item A scalar reference

If C<$output_filename_or_reference> is a scalar reference, the compressed data will be stored in C<$output_filename_or_reference>.

=item An Array Reference

If C<$output_filename_or_reference> is an array reference, the compressed data will be pushed onto the array.

=item An Output FileGlob

If C<$output_filename_or_reference> is a string that is delimited by the characters "<" and ">" C<bzip2> will assume that it is an I<output fileglob string>. The output is the list of files that match the fileglob.

When C<$output_filename_or_reference> is a fileglob string, C<$input_filename_or_reference> must also be a fileglob string. Anything else is an error.

See L<File::GlobMapper|File::GlobMapper> for more details.

=back

If the C<$output_filename_or_reference> parameter is any other type, C<undef> will be returned.

=head2 Notes

When C<$input_filename_or_reference> maps to multiple files/buffers and C<$output_filename_or_reference> is a single file/buffer the input files/buffers will be stored in C<$output_filename_or_reference> as a concatenated series of compressed data streams.

=head2 Optional Parameters

Unless specified below, the optional parameters for C<bzip2>, C<OPTS>, are the same as those used with the OO interface defined in the L</"Constructor Options"> section below.
This option applies to any input or output data streams to `bzip2` that are filehandles.

If `AutoClose` is specified, and the value is true, it will result in all input and/or output filehandles being closed once `bzip2` has completed.

This parameter defaults to 0.

When reading from a file or filehandle, set `binmode` before reading.

Defaults to 0.

The behaviour of this option is dependent on the type of output data stream.

If `Append` is enabled, all compressed data will be append to the end of the output buffer. Otherwise the output buffer will be cleared before any compressed data is written to it.

If `Append` is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any compressed data is written to it.

If `Append` is enabled, the filehandle will be positioned to the end of the file via a call to `seek` before any compressed data is written to it. Otherwise the file pointer will not be moved.

When `Append` is specified, and set to true, it will `append` all compressed data to the output data stream.
So when the output is a filehandle it will carry out a seek to the eof before writing any compressed data. If the output is a filename, it will be opened for appending. If the output is a buffer, all compressed data will be appended to the existing buffer.

Conversely when C<Append> is not specified, or it is present and is set to false, it will operate as follows.

When the output is a filename, it will truncate the contents of the file before writing any compressed data. If the output is a filehandle its position will not be changed. If the output is a buffer, it will be wiped before any compressed data is output.

Defaults to 0.

=back

=head2 Examples

To read the contents of the file C<file1.txt> and write the compressed data to the file C<file1.txt.bz2>.

    use strict ;
    use warnings ;
    use IO::Compress::Bzip2 qw(bzip2 $Bzip2Error) ;
    my $input = "file1.txt";
    bzip2 $input => "$input.bz2"
        or die "bzip2 failed: $Bzip2Error\n";

To read from an existing Perl filehandle, C<$input>, and write the compressed data to a buffer, C<$buffer>.

    use strict ;
    use warnings ;
    use IO::Compress::Bzip2 qw(bzip2 $Bzip2Error) ;
    use IO::File ;
    my $input = new IO::File "<file1.txt"
        or die "Cannot open 'file1.txt': $!\n" ;
    my $buffer ;
    bzip2 $input => $buffer
        or die "bzip2 failed: $Bzip2Error\n";

To compress all files in the directory "/my/home" that match "*.txt" and store the compressed data in the same directory
use strict;
use warnings;
use IO::Compress::Bzip2 qw(bzip2 $Bzip2Error);

bzip2 '</my/home/*.txt>' => '<*.bz2>'
or die "bzip2 failed: $Bzip2Error\n";

and if you want to compress each file one at a time, this will do the trick

use strict;
use warnings;
use IO::Compress::Bzip2 qw(bzip2 $Bzip2Error);

for my $input ( glob '/my/home/*.txt' )
{
    my $output = "$input.bz2" ;
bzip2 $input => $output
    or die "Error compressing '$input': $Bzip2Error\n";
}

=head1 OO Interface

=head2 Constructor

The format of the constructor for C<IO::Compress::Bzip2> is shown below

my $z = new IO::Compress::Bzip2 $output [,OPTS]
or die "IO::Compress::Bzip2 failed: $Bzip2Error\n";

It returns an C<IO::Compress::Bzip2> object on success and undef on failure.
The variable C<$Bzip2Error> will contain an error message on failure.

If you are running Perl 5.005 or better the object, C<$z>, returned from
IO::Compress::Bzip2 can be used exactly like an L<IO::File> filehandle.
This means that all normal output file operations can be carried out
with C<$z>.
For example, to write to a compressed file/buffer you can use either of
these forms

$z->print("hello world\n");
print $z "hello world\n";

The mandatory parameter C<$output> is used to control the destination
of the compressed data. This parameter can take one of these forms.

=over 5

=item A filename
If the C<$output> parameter is a simple scalar, it is assumed to be a filename. This file will be opened for writing and the compressed data will be written to it.

=item A filehandle

If the C<$output> parameter is a filehandle, the compressed data will be written to it.
The string '-' can be used as an alias for standard output.

=item A scalar reference

If C<$output> is a scalar reference, the compressed data will be stored in C<$$output>.

=back

If the C<$output> parameter is any other type, C<IO::Compress::Bzip2>::new will return undef.

=head2 Constructor Options

C<OPTS> is any combination of the following options:

=over 5

=item C<< AutoClose => 0|1 >>

This option is only valid when the C<$output> parameter is a filehandle. If specified, and the value is true, it will result in the C<$output> being closed once either the C<close> method is called or the C<IO::Compress::Bzip2> object is destroyed.

This parameter defaults to 0.

=item C<< Append => 0|1 >>

Opens C<$output> in append mode.

The behaviour of this option is dependent on the type of C<$output>.

=over 5

=item * A Buffer

If C<$output> is a buffer and C<Append> is enabled, all compressed data will be append to the end of C<$output>. Otherwise C<$output> will be
cleared before any data is written to it.

=item * A Filename

If C<$output> is a filename and C<Append> is enabled, the file will be opened in append mode. Otherwise the contents of the file, if any, will be truncated before any compressed data is written to it.

=item * A Filehandle

If C<$output> is a filehandle, the file pointer will be positioned to the end of the file via a call to C<seek> before any compressed data is written to it. Otherwise the file pointer will not be moved.

=back

This parameter defaults to 0.

=item C<< BlockSize100K => number >>

Specify the number of 100K blocks bzip2 uses during compression.

Valid values are from 1 to 9, where 9 is best compression.

The default is 1.

=item C<< WorkFactor => number >>

Specifies how much effort bzip2 should take before resorting to a slower fallback compression algorithm.

Valid values range from 0 to 250, where 0 means use the default value 30.

The default is 0.

=item C<< Strict => 0|1 >>

This is a placeholder option.

=back

=head2 Examples

TODO

=head1 Methods

=head2 print
Usage is

$z->print($data)
print $z $data

Compresses and outputs the contents of the C<$data> parameter. This has the same behaviour as the C<print> built-in.

Returns true if successful.

=head2 printf

Usage is

$z->printf($format, $data)
printf $z $format, $data

Compresses and outputs the contents of the C<$data> parameter.

Returns true if successful.

=head2 syswrite

Usage is

$z->syswrite $data
$z->syswrite $data, $length
$z->syswrite $data, $length, $offset

Compresses and outputs the contents of the C<$data> parameter.

Returns the number of uncompressed bytes written, or C<undef> if unsuccessful.

=head2 write

Usage is

$z->write $data
$z->write $data, $length
$z->write $data, $length, $offset

Compresses and outputs the contents of the C<$data> parameter.

Returns the number of uncompressed bytes written, or C<undef> if unsuccessful.
Usage is

$z->flush;

Flushes any pending compressed data to the output file/buffer.

TODO

Returns true on success.

Usage is

$z->tell();
tell $z

Returns the uncompressed file offset.

Usage is

$z->eof();
eof($z);

Returns true if the close method has been called.

Usage is

$z->seek($position, $whence);
seek($z, $position, $whence);

Provides a sub-set of the seek functionality, with the restriction that it is only legal to seek forward in the output file/buffer. It is a fatal error to attempt to seek backward.

Empty parts of the file/buffer will have NULL (0x00) bytes written to them.

The whence parameter takes one the usual values, namely SEEK_SET, SEEK_CUR or SEEK_END.

Returns 1 on success, 0 on failure.
Usage is

```perl
$z->binmode
binmode $z ;
```

This is a noop provided for completeness.

=head2 opened

```perl
$z->opened()
```

Returns true if the object currently refers to a opened file/buffer.

=head2 autoflush

```perl
my $prev = $z->autoflush()
my $prev = $z->autoflush(EXPR)
```

If the C<$z> object is associated with a file or a filehandle, this method returns the current autoflush setting for the underlying filehandle. If C<EXPR> is present, and is non-zero, it will enable flushing after every write/print operation.

If C<$z> is associated with a buffer, this method has no effect and always returns C<undef>.

B<Note> that the special variable C<$|> B<cannot> be used to set or retrieve the autoflush setting.

=head2 input_line_number

```perl
$z->input_line_number()
$z->input_line_number(EXPR)
```

This method always returns C<undef> when compressing.

=head2 fileno

```perl
$z->fileno()
fileno($z)
```

If the C<$z> object is associated with a file or a filehandle, C<fileno> will return the underlying file descriptor. Once the C<close> method is called C<fileno> will return C<undef>.

If the C<$z> object is associated with a buffer, this method will return C<undef>. 

---

Open Source Used In CSPC_Collector 2.9.1 5787
Flushes any pending compressed data and then closes the output file/buffer.

For most versions of Perl this method will be automatically invoked if the IO::Compress::Bzip2 object is destroyed (either explicitly or by the variable with the reference to the object going out of scope). The exceptions are Perl versions 5.005 through 5.00504 and 5.8.0. In these cases, the C<close> method will be called automatically, but not until global destruction of all live objects when the program is terminating.

Therefore, if you want your scripts to be able to run on all versions of Perl, you should call C<close> explicitly and not rely on automatic closing.

Returns true on success, otherwise 0.

If the C<AutoClose> option has been enabled when the IO::Compress::Bzip2 object was created, and the object is associated with a file, the underlying file will also be closed.

Usage is

$z->newStream([OPTS])

Closes the current compressed data stream and starts a new one.

OPTS consists of any of the options that are available when creating the C<$z> object.

See the L</"Constructor Options"> section for more details.

Importing

No symbolic constants are required by this IO::Compress::Bzip2 at present.

Imports C<bzip2> and C<$Bzip2Error>.

Same as doing this
use IO::Compress::Bzip2 qw(bzip2 SBzip2Error) ;

=head1 EXAMPLES

=head2 Apache::GZip Revisited

See L<IO::Compress::FAQ/IO::Compress::FAQ/'Apache::GZip Revisited'>

=head2 Working with Net::FTP

See L<IO::Compress::FAQ/IO::Compress::FAQ//Compressed files and Net::FTP'>

=head1 SEE ALSO

L<Compress::Zlib>, L<IO::Compress::Gzip>, L<IO::Uncompress::Gunzip>, L<IO::Compress::Deflate>,
L<IO::Uncompress::Inflate>, L<IO::Compress::RawDeflate>, L<IO::Uncompress::RawInflate>,
L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>, L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>,
L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>, L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>,
L<IO::Uncompress::UnLzf>, L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>
L<IO::Compress::FAQ/IO::Compress::FAQ>

L<File::GlobMapper/File::GlobMapper>, L<Archive::Zip|Archive::Zip>,
L<Archive::Tar|Archive::Tar>,
L<IO::Zlib|IO::Zlib>

The primary site for the bzip2 program is L<http://www.bzip.org>.

See the module L<Compress::Bzip2|Compress::Bzip2>

=head1 AUTHOR

This module was written by Paul Marquess, C<pmqs@cpan.org>.

=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
Found in path(s):
* /opt/cola/permits/1137993993_1614192372.42/0/perl-IO-Compress-2.081-1.el8-1.src.rpm-cosi-expand-archive-b7YvJqV0/IO-Compress-2.081.tar.gz-cosi-expand-archive-wq50iXxq/IO-Compress-2.081/lib/IO/Compress/Bzip2.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

IO::Uncompress::Base - Base Class for IO::Uncompress modules

=head1 SYNOPSIS

use IO::Uncompress::Base;

=head1 DESCRIPTION

This module is not intended for direct use in application code. Its sole purpose is to be sub-classed by IO::Uncompress modules.

=head1 SEE ALSO

L<Compress::Zlib>, L<IO::Compress::Gzip>, L<IO::Uncompress::Gunzip>, L<IO::Compress::Deflate>,
L<IO::Uncompress::Inflate>, L<IO::Compress::RawDeflate>, L<IO::Uncompress::RawInflate>,
L<IO::Compress::Bzip2>, L<IO::Uncompress::Bunzip2>, L<IO::Compress::Lzma>,
L<IO::Uncompress::UnLzma>, L<IO::Compress::Xz>, L<IO::Uncompress::UnXz>, L<IO::Compress::Lzop>,
L<IO::Uncompress::UnLzop>, L<IO::Compress::Lzf>, L<IO::Uncompress::UnLzf>,
L<IO::Uncompress::AnyInflate>, L<IO::Uncompress::AnyUncompress>

L<IO::Compress::FAQ|IO::Compress::FAQ>

L<File::GlobMapper|File::GlobMapper>, L<Archive::Zip|Archive::Zip>,
L<Archive::Tar|Archive::Tar>,
L<IO::Zlib|IO::Zlib>

=head1 AUTHOR

This module was written by Paul Marquess, C<pmqs@cpan.org>.

=head1 MODIFICATION HISTORY

See the Changes file.

=head1 COPYRIGHT AND LICENSE

Copyright (c) 2005-2018 Paul Marquess. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
1.557 commons-io 1.4

1.557.1 Available under license:

Apache Commons IO
Copyright 2001-2008 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.
5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.558 castor-core 1.3

1.558.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Copyright 1999-2004 (C) Intalio Inc., and others. All Rights Reserved.

Redistribution and use of this software and associated documentation ("Software"), with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain copyright statements and notices. Redistributions must also contain a copy of this
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name "ExoLab" must not be used to endorse or promote products derived from this Software without prior written permission of Intalio Inc. For written permission, please contact info@exolab.org.

4. Products derived from this Software may not be called "Castor" nor may "Castor" appear in their names without prior written permission of Intalio Inc. Exolab, Castor and Intalio are trademarks of Intalio Inc.

5. Due credit should be given to the ExoLab Project (http://www.exolab.org/).

THIS SOFTWARE IS PROVIDED BY INTALIO AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTALIO OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.559 jbig-kit 2.1-14.el8

1.559.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable
      source code, which must be distributed under the terms of Sections
      1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three
      years, to give any third party, for a charge no more than your
      cost of physically performing source distribution, a complete
      machine-readable copy of the corresponding source code, to be
      distributed under the terms of Sections 1 and 2 above on a medium
      customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
   allowed only for noncommercial distribution and only if you
   received the program in object code or executable form with such
   an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) 19yy name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.560 pcre 8.42 4.el8
1.560.1 Available under license :
    PCRE LICENCE

    Please see the file LICENCE in the PCRE distribution for licensing details.

    End
PCRE LICENCE
-------------

PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

Release 8 of PCRE is distributed under the terms of the "BSD" licence, as specified below. The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself. The data in the testdata directory is not copyrighted and is in the public domain.

The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS
----------------------------

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,

Copyright (c) 1997-2018 University of Cambridge
All rights reserved.

PCRE JUST-IN-TIME COMPILATION SUPPORT
--------------------------------------

Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu

Copyright(c) 2010-2018 Zoltan Herczeg
All rights reserved.

STACK-LESS JUST-IN-TIME COMPILER
---------------------------------

Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu
THE \textbf{C++ WRAPPER FUNCTIONS}

-------------------------

Contributed by: Google Inc.

Copyright (c) 2007-2012, Google Inc.
All rights reserved.

THE "BSD" LICENCE

-------------

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the University of Cambridge nor the name of Google Inc. nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

End

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.561 libpwquality 1.4.0 9.el8

1.561.1 Available under license:

Unless otherwise *explicitly* stated the following text describes the licensed conditions under which the contents of this libpwquality release may be distributed:

Redistribution and use in source and binary forms of libpwquality, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain any existing copyright notice, and this entire permission notice in its entirety, including the disclaimer of warranties.

2. Redistributions in binary form must reproduce all prior and current copyright notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of any author may not be used to endorse or promote products derived from this software without their specific prior written permission.

ALTERNATIVELY, this product may be distributed under the terms of the GNU General Public License version 2 or later, in which case the provisions
of the GNU GPL are required INSTEAD OF the above restrictions.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL THE AUTHOR(S) BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING,
BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS
OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR
TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE
USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH
DAMAGE.

The full text of the GNU GENERAL PUBLIC LICENSE Version 2 is included
below.

-------------------------------------------------------------------------
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.
1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c` for details.

The hypothetical commands `show w` and `show c` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w` and `show c`; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision` (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.562 shared-aspects 1.2.20

1.562.1 Available under license :

Apache Axiom

Copyright 2004-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."
"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License.
1.563 pcre 8.42

1.563.1 Available under license:

PCRE LICENCE

Please see the file LICENCE in the PCRE distribution for licensing details.

End

PCRE LICENCE

-------------

PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

Release 8 of PCRE is distributed under the terms of the "BSD" licence, as specified below. The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself. The data in the testdata directory is not copyrighted and is in the public domain.

The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

-----------------------------

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,

Copyright (c) 1997-2018 University of Cambridge
All rights reserved.

PCRE JUST-IN-TIME COMPILATION SUPPORT

----------------------------------------

Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu

Copyright(c) 2010-2018 Zoltan Herczeg
All rights reserved.

STACK-LESS JUST-IN-TIME COMPILER
--------------------------------

Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu

Copyright(c) 2009-2018 Zoltan Herczeg
All rights reserved.

THE C++ WRAPPER FUNCTIONS
-------------------------

Contributed by: Google Inc.

Copyright (c) 2007-2012, Google Inc.
All rights reserved.

THE "BSD" LICENCE
-----------------

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the University of Cambridge nor the name of Google Inc. nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

End
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products
   derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.564 spring-messaging 4.3.30.RELEASE
1.564.1 Available under license :
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2016 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *     https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/handler/annotation/support/PayloadArgumentResolver.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/handler/annotation/SendTo.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/core/GenericMessagingTemplate.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/user/UserSessionRegistryAdapter.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/UserSessionRegistry.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/annotation/SendToUser.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/stomp/StompCommand.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/stomp/BufferingStompDecoder.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/stomp/StompHeaders.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/config/AbstractBrokerRegistration.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/tcp/reactor/AbstractPromiseToListenableFutureAdapter.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/converter/GenericMessageConverter.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/handler/annotation/support/DefaultMessageHandlerMethodFactory.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/tcp/reactor/Reactor2TcpConnection.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/tcp/reactor/Reactor2StompCodec.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/config/AbstractBrokerRegistration.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/tcp/reactor/AbstractPromiseToListenableFutureAdapter.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/converter/GenericMessageConverter.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/handler/annotation/support/DefaultMessageHandlerMethodFactory.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/tcp/reactor/Reactor2TcpConnection.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/stomp/StompCommand.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2015 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/simp/user/SimpUser.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/simp/user/DestinationUserNameProvider.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/tcp/reactor/PassThroughPromiseToListenableFutureAdapter.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/handler/invocation/HandlerMethodArgumentResolver.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/simp/annotation/SubscribeMapping.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/user/DefaultUserSessionRegistry.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/convertor/SmartMessageConverter.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/convertor/StringMessageConverter.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/simp/stomp/ConnectionHandlingStompSession.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/tcp/TcpConnection.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/simp/user/SimpSubscription.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/core/MessageRequestReplyOperations.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/handler/AbstractMessageCondition.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/tcp/TcpOperations.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-
  jar/org/springframework/messaging/handler/MessagingAdviceBean.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3.30-release-sources-1-

---

Open Source Used In CSPC_Collector 2.9.1 5927
jar/org/springframework/messaging/simp/stomp/StompSessionHandler.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/simp/user/UserSessionRegistry.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/handler/invocation/AbstractAsyncReturnValueHandler.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/handler/HandlerMethodSelector.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/handler/annotation/Payload.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/simp/SimpMessageSendingOperations.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/simp/user/SimpSession.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/MessageHeaders.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/simp/SimpMessageTypeMessageCondition.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/simp/user/SimpSubscriptionMatcher.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/converter/MessageConverter.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/core/MessageReceivingOperations.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/tcp/TcpConnectionHandler.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/handler/invocation/ListenerFutureReturnValueHandler.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/handler/annotation/Header.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/handler/annotation/support/AnnotationExceptionHandlerMethodResolver.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/simp/stomp/StompFrameHandler.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/core/MessageSendingOperations.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/converter/ByteArrayMessageConverter.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2012 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 */
* https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
  jar/org/springframework/messaging/handler/annotation/ValueConstants.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
  jar/org/springframework/messaging/handler/annotation/Headers.java
No license file was found, but licenses were detected in source scan.

/**
* Copyright 2002-2017 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
*      https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
/**
* Set the max pool size of the ThreadPoolExecutor.
* <p><strong>NOTE:</strong> When an unbounded
* [@link #queueCapacity(int) queueCapacity] is configured (the default), the
* max pool size is effectively ignored. See the "Unbounded queues" strategy
* in {[@link java.util.concurrent.ThreadPoolExecutor ThreadPoolExecutor] for
* more details.
* <p>By default this is set to {[@code Integer.MAX_VALUE].
*/

Found in path(s):
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
  jar/org/springframework/messaging/simp/config/TaskExecutorRegistration.java
No license file was found, but licenses were detected in source scan.

/*/ 
* Copyright 2002-2017 the original author or authors.
/*
 * Copyright 2002-2020 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2015 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3-30-release-sources-1-jar/org/springframework/messaging/simp/config/StompBrokerRelayRegistration.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3-30-release-sources-1-jar/org/springframework/messaging/convertor/AbstractMessageConverter.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3-30-release-sources-1-jar/org/springframework/messaging/simp/stomp/StompEncoder.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3-30-release-sources-1-jar/org/springframework/messaging/converter/AbstractMessageConverter.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3-30-release-sources-1-jar/org/springframework/messaging/support/NativeMessageHeaderAccessor.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3-30-release-sources-1-jar/org/springframework/messaging/simp/stomp/StompDecoder.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3-30-release-sources-1-jar/org/springframework/messaging/simp/stomp/DefaultStompSession.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3-30-release-sources-1-jar/org/springframework/messaging/convertor/MappingJackson2MessageConverter.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3-30-release-sources-1-jar/org/springframework/messaging/convertor/CompositeMessageConverter.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3-30-release-sources-1-jar/org/springframework/messaging/convertor/MarshallingMessageConverter.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4.3-30-release-sources-1-jar/org/springframework/messaging/handler/annotation/support/AbstractNamedValueMethodArgumentResolver.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2019 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
  
  * https://www.apache.org/licenses/LICENSE-2.0
  
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
  * /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
    jar/org/springframework/messaging/simp/stomp/StompSession.java
  * /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
    jar/org/springframework/messaging/simp/user/MultiServerUserRegistry.java
  * /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
    jar/org/springframework/messaging/handler/invocation/HandlerMethodArgumentResolverComposite.java
  * /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
    jar/org/springframework/messaging/handler/invocation/AsyncHandlerMethodReturnValueHandler.java
  * /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
    jar/org/springframework/messaging/simp/config/AbstractMessageBrokerConfiguration.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2013 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *       https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
  * /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
    jar/org/springframework/messaging/handler/annotation/DestinationVariable.java
  * /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
    jar/org/springframework/messaging/simp/annotation/support/MissingSessionUserException.java
  * /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
    jar/org/springframework/messaging/simp/SimpMessageType.java
/*
 * Copyright 2002-2014 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.

* Copyright 2002-2014 the original author or authors.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*      https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/handler/annotation/MessageExceptionHandler.java

No license file was found, but licenses were detected in source scan.

*/
* Copyright 2002-2018 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*   https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/handler/invocation/AbstractMethodMessageHandler.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/tcp/reactor/Reactor2TcpClient.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/user/DefaultUserDestinationResolver.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/config/SimpleBrokerRegistration.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/broker/SimpleBrokerMessageHandler.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/handler/invocation/InvocableHandlerMethod.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/broker/AbstractBrokerMessageHandler.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/support/AbstractHeaderMapper.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/MessageHandler.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/broker/DefaultSubscriptionRegistry.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/user/UserDestinationMessageHandler.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/simp/broker/SubscriptionRegistry.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-jar/org/springframework/messaging/handler/annotation/support/HeadersMethodArgumentResolver.java
* /opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
/*
 * Copyright 2002-2014 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/support/MessageHandlingRunnable.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/converter/SimpleMessageConverter.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/support/ErrorMessage.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/support/ImmutableMessageChannelInterceptor.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/handler/invocation/HandlerMethodReturnValueHandlerComposite.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/support/GenericMessage.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/converter/DefaultContentTypeResolver.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/core/AbstractMessagingTemplate.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/support/AbstractSubscribableChannel.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/converter/MessageConversionException.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/support/MessageHeaderInitializer.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/support/ChannelInterceptor.java
  */opt/cola/permits/1137268254_1614043295.39/0/spring-messaging-4-3-30-release-sources-1-
jar/org/springframework/messaging/simp/SimpMessageMappingInfo.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2017 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.
1.565 perl-encode 2.97 3.el8
1.565.1 Available under license:
The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications
3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package’s interpreter within...
an executable of yours (by linking); this shall be construed as a mere
form of aggregation, provided that the complete Standard Version of the
interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as
output from the programs of this Package do not automatically fall
under the copyright of this Package, but belong to whoever generated
them, and may be sold commercially, and may be aggregated with this
Package. If such scripts or library files are aggregated with this
Package via the so-called "undump" or "unexec" methods of producing a
binary executable image, then distribution of such an image shall
neither be construed as a distribution of this Package nor shall it
fall under the restrictions of Paragraphs 3 and 4, provided that you do
not represent such an executable image as a Standard Version of this
Package.

7. C subroutines (or comparably compiled subroutines in other
languages) supplied by you and linked into this Package in order to
emulate subroutines and variables of the language defined by this
Package shall not be considered part of this Package, but are the
equivalent of input as in Paragraph 6, provided these subroutines do
not change the language in any way that would cause it to fail the
regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always
permitted provided that the use of this Package is embedded; that is,
when no overt attempt is made to make this Package's interfaces visible
to the end user of the commercial distribution. Such use shall not be
construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or
promote products derived from this software without specific prior
written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.566 apache-servicemix-bundles-xpp3
1.1.4c_7
1.566.1 Available under license:

Apache ServiceMix :: Bundles :: xpp3
Copyright 2005-2014 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.567 google-http-client-jackson2 1.22.0

1.568 tcsh 6.20.00-9.el8
1.568.1 Available under license :
/*-
* Copyright (c) 1980, 1991 The Regents of the University of California.
* All rights reserved.
* *
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. Neither the name of the University nor the names of its contributors
* may be used to endorse or promote products derived from this software
* without specific prior written permission.
* *
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
*/
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/
/*
* config.h -- configure various defines for tcsh
*
* All source files should #include this FIRST.
*
* Edit this to match your system type.
*/

#ifndef _h_config
#define _h_config
/******************** System dependant compilation flags ****************/
/*
* POSIXThis system supports IEEE Std 1003.1-1988 (POSIX).
*/
#undef POSIX

/*
* POSIXJOBSThis system supports the optional IEEE Std 1003.1-1988 (POSIX)
* job control facilities.
*/
#undef POSIXJOBS

/*
* VFORKThis machine has a vfork().
* It used to be that for job control to work, this define
* was mandatory. This is not the case any more.
* If you think you still need it, but you don't have vfork,
* define this anyway and then do #define vfork fork.
* I do this anyway on a Sun because of yellow pages brain damage,
*[should not be needed under 4.1]
* and on the iris4d cause SGI's fork is sufficiently "virtual"
* that vfork isn't necessary. (Besides, SGI's vfork is weird).
* Note that some machines eg. rs6000 have a vfork, but not
* with the berkeley semantics, so we cannot use it there either.
*/
#define VFORK

/*
* BSDJOBSYou have BSD-style job control (both process groups and
* a tty that deals correctly
*/
#define BSDJOBS
/ *
* BSDTIMES You have BSD-style process time stuff (like rusage)
* This may or may not be true. For example, Apple Unix
* (OREO) has BSDJOBS but not BSDTIMES.
*/
#define BSDTIMES
/

/*
* BSDLIMIT You have BSD-style resource limit stuff (getrlimit/setrlimit)
*/
#define BSDLIMIT
/

/*
* TERMIO You have struct termio instead of struct sgttyb.
* This is usually the case for SYSV systems, where
* BSD uses sgttyb. POSIX systems should define this
* anyway, even though they use struct termios.
*/
#undef TERMIO
/

/*
* SYSVREL Your machine is SYSV based (HPUX, A/UX)
* NOTE: don't do this if you are on a Pyramid -- tcsh is
* built in a BSD universe.
* Set SYSVREL to 1, 2, 3, or 4, depending the version of System V
* you are running. Or set it to 0 if you are not SYSV based
*/
#define SYSVREL 0
/

/*
* YPBUGS Work around Sun YP bugs that cause expansion of ~username
* to send command output to /dev/null
*/
#undef YPBUGS
/

/******************** local defines *******************/

#endif /* _h_config */

1.569 ipsec-tools 0.8.2-2.el6
1.569.1 Available under license :
/*$NetBSD: ipsec_dump_policy.c,v 1.9 2010/12/03 15:01:11 tteras Exp $*/

/* Id: ipsec_dump_policy.c,v 1.10 2005/06/29 09:12:37 manbsd Exp */
/*
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 * 3. Neither the name of the project nor the names of its contributors
 *    may be used to endorse or promote products derived from this software
 *    without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS `AS IS` AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
 * SUCH DAMAGE.
 */

1.570 gmp 6.1.2 10.el8
1.570.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANDABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.
The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.
Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source
form of a work.

A "Standard Interface" means an interface that either is an official
standard defined by a recognized standards body, or, in the case of
interfaces specified for a particular programming language, one that
is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.
All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.
You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:
a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does
not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a
covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.
In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.
15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

GNU LESSER GENERAL PUBLIC LICENSE
   Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs
whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the
manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version"
applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work
in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.
The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.
No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent
that they are valid under applicable law. If additional permissions
apply only to part of the Program, that part may be used separately
under those permissions, but the entire Program remains governed by
this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part of
it. (Additional permissions may be written to require their own
removal in certain cases when you modify the work.) You may place
additional permissions on material, added by you to a covered work,
for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you
add to a covered work, you may (if authorized by the copyright holders of
that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the
terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or
author attributions in that material or in the Appropriate Legal
Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or
requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.
Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for
11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify
or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is “discriminatory” if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.
The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.
If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <https://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <https://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <https://www.gnu.org/philosophy/why-not-lgpl.html>.

1.571 jersey-media-multipart 2.26

1.571.1 Available under license:

Found license 'General Public License 2.0' in "* Copyright (c) 2016-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in "* Copyright (c) 2012-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in "# Copyright (c) 2012-2017 Oracle and/or its affiliates. All rights reserved. # The contents of this file are subject to the terms of either the GNU # General Public License Version 2 only ("GPL") or the Common Development # and Distribution License("CDDL") (collectively, the "License"). You # may not use this file except in compliance with the License. You can # Oracle designates this particular file as subject to the "Classpath" # exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in "* Copyright (c) 2010-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in "* Copyright (c) 2013-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in "* Copyright (c) 2013-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in "* Copyright (c) 2016-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'
1.572 udev 239-31.el8_2.2

1.572.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
      stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in
      whole or in part contains or is derived from the Program or any
      part thereof, to be licensed as a whole at no charge to all third
      parties under the terms of this License.

   c) If the modified program normally reads commands interactively
      when run, you must cause it, when started running for such
      interactive use in the most ordinary way, to print or display an
      announcement including an appropriate copyright notice and a
      notice that there is no warranty (or else, saying that you provide
      a warranty) and that users may redistribute the program under
      these conditions, and telling the user how to view a copy of this
      License. (Exception: if the Program itself is interactive but
      does not normally print such an announcement, your work based on
      the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
   under Section 2) in object code or executable form under the terms of
   Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable
      source code, which must be distributed under the terms of Sections
      1 and 2 above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.573 perl-text-parsewords 3.30-395.el8

1.573.1 Available under license:

No license file was found, but licenses were detected in source scan.

---
abstract: parse text into an array of tokens or array of arrays
author:
  - 'Alexandr Ciornii <alexchorny@gmail.com>'
build_requires:
  ExtUtils::MakeMaker: 0
  Scalar::Util: 0
configure_requires:
  ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.78, CPAN::Meta::Converter version 2.143240'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Text-ParseWords
no_index:
directory:
  - t
  - inc
requires:
  perl: 5.006
resources:
  repository: http://github.com/chorny/Text-ParseWords
  version: 3.30

Found in path(s):

No license file was found, but licenses were detected in source scan.

=head1 NAME
Text::ParseWords - parse text into an array of tokens or array of arrays

=head1 SYNOPSIS

use Text::ParseWords;
@lists = nested_quotewords($delim, $keep, @lines);
@words = quotewords($delim, $keep, @lines);
@words = shellwords(@lines);
@words = parse_line($delim, $keep, $line);
@words = old_shellwords(@lines); # DEPRECATED!

=head1 DESCRIPTION

The &nested_quotewords() and &quotewords() functions accept a delimiter
(which can be a regular expression)
and a list of lines and then breaks those lines up into a list of
words ignoring delimiters that appear inside quotes. &quotewords() 
returns all of the tokens in a single long list, while &nested_quotewords()
returns a list of token lists corresponding to the elements of @lines.
&parse_line() does tokenizing on a single string. The &quotewords() functions simply call &parse_line(), so if you're only splitting
one line you can call &parse_line() directly and save a function call.

The $keep argument is a boolean flag. If true, then the tokens are
split on the specified delimiter, but all other characters (including
quotes and backslashes) are kept in the tokens. If $keep is false then the
*quotewords() functions remove all quotes and backslashes that are
not themselves backslash-escaped or inside of single quotes (i.e.,
*quotewords() tries to interpret these characters just like the Bourne
shell). NB: these semantics are significantly different from the
original version of this module shipped with Perl 5.000 through 5.004.
As an additional feature, $keep may be the keyword "delimiters" which
causes the functions to preserve the delimiters in each string as
tokens in the token lists, in addition to preserving quote and
backslash characters.

&shellwords() is written as a special case of &quotewords(), and it
does token parsing with whitespace as a delimiter-- similar to most
Unix shells.

=head1 EXAMPLES

The sample program:

use Text::ParseWords;
@words = quotewords("\s+", 0, q{this is "a test" of\ quotewords \"for you\});
$i = 0;
foreach (@words) {
    print "$i: <$_>
";
    $i++;
}

produces:

0: <this>
1: <is>
2: <a test>
3: <of quotewords>
4: <"for>
5: <you>

demonstrating:

=over 4
=itm 0Z<>

a simple word

=itm 1Z<>

multiple spaces are skipped because of our $delim

=itm 2Z<>

use of quotes to include a space in a word

=itm 3Z<>

use of a backslash to include a space in a word

=itm 4Z<>

use of a backslash to remove the special meaning of a double-quote

=itm 5Z<>

another simple word (note the lack of effect of the
backslashed double-quote)

=back

Replacing C<quotewords('\\s+', 0, q{this  is...})>
with C<shellwords(q{this  is...})>
is a simpler way to accomplish the same thing.
SEE ALSO

L<Text::CSV> - for parsing CSV files

AUTHORS

Maintainer: Alexandr Ciornii <alexchornyATgmail.com>.

Previous maintainer: Hal Pomeranz <pomeranz@netcom.com>, 1994-1997 (Original author unknown). Much of the code for &parse_line() (including the primary regexp) from Joerk Behrends <jbehrends@multimediaproduzenten.de>.

Examples section another documentation provided by John Heidemann <johnh@ISI.EDU>

Bug reports, patches, and nagging provided by lots of folks-- thanks everybody! Special thanks to Michael Schwern <schwern@enirolink.org> for assuring me that a &nested_quotewords() would be useful, and to Jeff Friedl <jfiedl@yahoo-inc.com> for telling me not to worry about error-checking (sort of-- you had to be there).

COPYRIGHT AND LICENSE

This library is free software; you may redistribute and/or modify it under the same terms as Perl itself.

License: GPL+ or Artistic

1.574 jetty-servlets 9.4.11.v20180605
1.575 perl-data-dump 1.23-7.el8

1.575.1 Available under license:
No license file was found, but licenses were detected in source scan.

=head1 NAME

Data::Dump::Trace - Helpers to trace function and method calls

=head1 SYNOPSIS

use Data::Dump::Trace qw(autowrap mcall);

autowrap("LWP::UserAgent" => "ua", "HTTP::Response" => "res");

use LWP::UserAgent;
$ua = mcall(LWP::UserAgent => "new");  # instead of LWP::UserAgent->new;
$ua->get("http://www.example.com")->{dump};

=head1 DESCRIPTION

The following functions are provided:

=over

=item autowrap( $class )

=item autowrap( $class => $prefix )

=item autowrap( $class1 => $prefix1,  $class2 => $prefix2, ... )

=item autowrap( $class1 => %info1, $class2 => %info2, ... )

=over

Register classes whose objects are automatically wrapped when returned by one of the call functions below. If $prefix is provided it will be used as to name the objects.

Alternative is to pass an %info hash for each class. The recognized keys are:

=over

=item prefix => $string

The prefix string used to name objects of this type.

=item proto => %hash
A hash of prototypes to use for the methods when an object is wrapped.

=back

=item wrap( name => $str, func => \&func, proto => $proto )

=item wrap( name => $str, obj => $obj, proto => \%hash )

Returns a wrapped function or object. When a wrapped function is invoked then a trace is printed after the underlying function has returned. When a method on a wrapped object is invoked then a trace is printed after the methods on the underlying objects has returned.

See L</"Prototypes"> for description of the C<proto> argument.

=item call( $name, \&func, $proto, @ARGS )

Calls the given function with the given arguments. The trace will use $name as the name of the function.

See L</"Prototypes"> for description of the $proto argument.

=item mcall( $class, $method, $proto, @ARGS )

=item mcall( $object, $method, $proto, @ARGS )

Calls the given method with the given arguments.

See L</"Prototypes"> for description of the $proto argument.

=item trace( $symbol, $prototype )

Replaces the function given by $symbol with a wrapped function.

=back

=head2 Prototypes

B<Note: The prototype string syntax described here is experimental and likely to change in revisions of this interface>.

The $proto argument to call() and mcall() can optionally provide a prototype for the function call. This give the tracer hints about how to best format the argument lists and if there are I<in/out> or I<out> arguments. The general form for the prototype string is:

<arguments> = <return_value>
The default prototype is "@ = @": list of values as input and list of values as output.

The value '%' can be used for both arguments and return value to say that key/value pair style lists are used.

Alternatively, individual positional arguments can be listed each represented by a letter:

=over
=item C<i>
input argument
=item C<o>
output argument
=item C<O>
both input and output argument
=back

If the return value prototype has C<!> appended, then it signals that this function sets errno ($!) when it returns a false value. The trace will display the current value of errno in that case.

If the return value prototype looks like a variable name (with C<$> prefix), and the function returns a blessed object, then the variable name will be used as prefix and the returned object automatically traced.

=head1 SEE ALSO
L<Data::Dump>

=head1 AUTHOR
Copyright 2009 Gisle Aas.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):
NAME
   Data::Dump - Pretty printing of data structures

SYNOPSIS
   use Data::Dump qw(dump ddx);

   $str = dump(@list);
   @copy_of_list = eval $str;

   # or use it for easy debug printout
   ddx localtime;

DESCRIPTION
   This module provide functions that takes a list of values as their
   argument and produces a string as its result. The string contains Perl
   code that, when "eval"ed, produces a deep copy of the original
   arguments.

   The main feature of the module is that it strives to produce output that
   is easy to read. Example:

   @a = (1, [2, 3], {4 => 5});
   dump(@a);

   Produces:

   (1, [2, 3], { 4 => 5 })

   If you dump just a little data, it is output on a single line. If you
dump data that is more complex or there is a lot of it, line breaks are
automatically added to keep it easy to read.

AUTHORS
   The "Data::Dump" module is written by Gisle Aas <gisle@aas.no>, based on
   "Data::Dumper" by Gurusamy Sarathy <gsar@umich.edu>.

   Copyright 1998-2010 Gisle Aas.
   Copyright 1996-1998 Gurusamy Sarathy.

   This library is free software; you can redistribute it and/or modify it
   under the same terms as Perl itself.

   Found in path(s):
   * /opt/cola/permits/1127036033_1611747813.93/0/perl-Data-Dump-1.23-7.el8-1.src.rpm-cosi-expand-archive-
=head1 NAME

Data::Dump - Pretty printing of data structures

=head1 SYNOPSIS

use Data::Dump qw(dump);

$str = dump(@list);
@copy_of_list = eval $str;

# or use it for easy debug printout
use Data::Dump; dd localtime;

=head1 DESCRIPTION

This module provide a few functions that traverse their argument and produces a string as its result. The string contains Perl code that, when C<eval>ed, produces a deep copy of the original arguments.

The main feature of the module is that it strives to produce output that is easy to read. Example:

@a = (1, [2, 3], {4 => 5});
dump(@a);

Produces:

"(1, [2, 3], { 4 => 5 })"

If you dump just a little data, it is output on a single line. If you dump data that is more complex or there is a lot of it, line breaks are automatically added to keep it easy to read.

The following functions are provided (only the dd* functions are exported by default):

=over

=item dump( ... )

=item pp( ... )

=over
the arguments you passed to dump().

If you call the function with multiple arguments then the output will be wrapped in parenthesis "( ..., ... )". If you call the function with a single argument the output will not have the wrapping. If you call the function with a single scalar (non-reference) argument it will just return the scalar quoted if needed, but never break it into multiple lines. If you pass multiple arguments or references to arrays of hashes then the return value might contain line breaks to format it for easier reading. The returned string will never be "\n" terminated, even if contains multiple lines. This allows code like this to place the semicolon in the expected place:

    print "$obj = ', dump($obj), '\n';

If dump() is called in void context, then the dump is printed on STDERR and then "\n" terminated. You might find this useful for quick debug printouts, but the dd*() functions might be better alternatives for this.

There is no difference between dump() and pp(), except that dump() shares its name with a not-so-useful perl builtin. Because of this some might want to avoid using that name.

=item quote( $string )

Returns a quoted version of the provided string.

It differs from C<dump($string)> in that it will quote even numbers and not try to come up with clever expressions that might shorten the output. If a non-scalar argument is provided then it's just stringified instead of traversed.

=item dd( ... )

=item ddx( ... )

These functions will call dump() on their argument and print the result to STDOUT (actually, it's the currently selected output handle, but STDOUT is the default for that).

The difference between them is only that ddx() will prefix the lines it prints with "# " and mark the first line with the file and line number where it was called. This is meant to be useful for debug printouts of state within programs.

=item dumpf( ..., \&filter )
Short hand for calling the dump_filtered() function of L<Data::Dump::Filtered>. This works like dump(), but the last argument should be a filter callback function. As objects are visited the filter callback is invoked and it can modify how the objects are dumped.

=head1 CONFIGURATION

There are a few global variables that can be set to modify the output generated by the dump functions. It's wise to localize the setting of these.

=item $Data::Dump::INDENT

This holds the string that's used for indenting multiline data structures. It's default value is " " (two spaces). Set it to "" to suppress indentation. Setting it to "| " makes for nice visuals even if the dump output then fails to be valid Perl.

=item $Data::Dump::TRY_BASE64

How long must a binary string be before we try to use the base64 encoding for the dump output. The default is 50. Set it to 0 to disable base64 dumps.

=head1 LIMITATIONS

Code references will be dumped as C<< sub { ... } >>. Thus, C<eval>ing them will not reproduce the original routine. The C<...>-operator used will also require perl-5.12 or better to be evaled.

If you forget to explicitly import the C<d dump> function, your code will core dump. That's because you just called the builtin C<d dump> function by accident, which intentionally dumps core. Because of this you can also import the same function as C<pp>, mnemonic for "pretty-print".

=head1 HISTORY

The C<Data::Dump> module grew out of frustration with Sarathy's in-most-cases-excellent C<Data::Dumper>. Basic ideas and some code are shared with Sarathy's module.

The C<Data::Dump> module provides a much simpler interface than
C<Data::Dumper>. No OO interface is available and there are fewer configuration options to worry about. The other benefit is that the dump produced does not try to set any variables. It only returns what is needed to produce a copy of the arguments. This means that C<dump("foo")> simply returns C<"foo">, and C<dump(1..3)> simply returns C<'(1, 2, 3)'>.

=head1 SEE ALSO
L<Data::Dump::Filtered>, L<Data::Dump::Trace>, L<Data::Dumper>, L<JSON>, L<Storable>

=head1 AUTHORS
The C<Data::Dump> module is written by Gisle Aas <gisle@aas.no>, based on C<Data::Dumper> by Gurusamy Sarathy <gsar@umich.edu>.

Copyright 1998-2010 Gisle Aas.
Copyright 1996-1998 Gurusamy Sarathy.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):
* /opt/cola/permits/1127036033_1611747813.93/0/perl-Data-Dump-1.23-7.el8-1.src.rpm-cosi-expand-archive-McInrf1C/Data-Dump-1.23.tar.gz-cosi-expand-archive-I7RCYv5C/Data-Dump-1.23/lib/Data/Dump.pm
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/cola/permits/1127036033_1611747813.93/0/perl-Data-Dump-1.23-7.el8-1.src.rpm-cosi-expand-archive-McInrf1C/perl-Data-Dump.spec
No license file was found, but licenses were detected in source scan.

---
abstract: 'Pretty printing of data structures'
author:
- 'Gisle Aas <gisle@activestate.com>'
build_requires:
  Test: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.0401, CPAN::Meta::Converter version 2.150001'
license: perl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: '1.4'
name: Data-Dump
no_index:
directory:
  - t
  - inc
recommends:
  MIME::Base64: '0'
requires:
  Symbol: '0'
  perl: '5.006'
resources:
  repository: http://github.com/gisle/data-dump
version: '1.23'

Found in path(s):
* /opt/cola/permits/1127036033_1611747813.93/0/perl-Data-Dump-1.23-7.el8-1.src.rpm-cosi-expand-archive-
  McInrf1C/Data-Dump-1.23.tar.gz-cosi-expand-archive-I7RCYv5C/Data-Dump-1.23/META.yml

1.576 perl-html-tagset 3.20-33.el8

1.576.1 Available under license:
No license file was found, but licenses were detected in source scan.

license: ~

Found in path(s):
* /opt/cola/permits/1137994102_1614192721.69/0/perl-HTML-Tagset-3.20-33.el8-1.src.rpm-cosi-expand-archive-
  TseYA3zO/HTML-Tagset-3.20.tar.gz-cosi-expand-archive-C8mYQAqB/HTML-Tagset-3.20/META.yml
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/cola/permits/1137994102_1614192721.69/0/perl-HTML-Tagset-3.20-33.el8-1.src.rpm-cosi-expand-archive-
  TseYA3zO/perl-HTML-Tagset.spec
No license file was found, but licenses were detected in source scan.

=head1 CAVEATS

You may find it useful to alter the behavior of modules (like C<HTML::Element> or C<HTML::TreeBuilder>) that use C<HTML::Tagset>'s
data tables by altering the data tables themselves. You are welcome
to try, but be careful; and be aware that different modules may or may
react differently to the data tables being changed.
Note that it may be inappropriate to use these tables for producing HTML -- for example, `%isHeadOrBodyElement` lists the tagnames for all elements that can appear either in the head or in the body, such as "script". That doesn't mean that I am saying your code that produces HTML should feel free to put script elements in either place!

If you are producing programs that spit out HTML, you should be intimately familiar with the DTDs for HTML or XHTML (available at http://www.w3.org/), and you should slavishly obey them, not the data tables in this document.

=head1 SEE ALSO

L<HTML::Element>, L<HTML::TreeBuilder>, L<HTML::LinkExtor>

=head1 COPYRIGHT & LICENSE

Copyright 1995-2000 Gisle Aas.

Copyright 2000-2005 Sean M. Burke.

Copyright 2005-2008 Andy Lester.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 ACKNOWLEDGEMENTS

Most of the code/data in this module was adapted from code written by Gisle Aas for L<HTML::Element>, L<HTML::TreeBuilder>, and L<HTML::LinkExtor>. Then it was maintained by Sean M. Burke.

=head1 AUTHOR

Current maintainer: Andy Lester, C<< <andy at petdance.com> >>

=head1 BUGS

Please report any bugs or feature requests to C<bug-html-tagset at rt.cpan.org>, or through the web interface at L<http://rt.cpan.org/NoAuth/ReportBug.html?Queue=HTML-Tagset>. I will be notified, and then you'll automatically be notified of progress on your bug as I make changes.

=cut

Found in path(s):
* /opt/cola/permits/1137994102_1614192721.69/0/perl-HTML-Tagset-3.20-33.el8-1.src.rpm-cosi-expand-archive-
This module contains data tables useful in dealing with HTML.

It provides no functions or methods.

PREREQUISITES

This suite requires Perl 5.

HTML::Tagset doesn't use any nonstandard modules.

INSTALLATION

You install HTML::Tagset, as you would install any perl module library, by running these commands:

perl Makefile.PL
make
make test
make install

If you want to install a private copy of HTML::Tagset in your home directory, then you should try to produce the initial Makefile with something like this command:

perl Makefile.PL LIB=~/perl

DOCUMENTATION

POD-format documentation is included in Tagset.pm. POD is readable with the 'perldoc' utility. See ChangeLog for recent changes.

MACPERL INSTALLATION NOTES

Don't bother with the makefiles. Just make a HTML directory in your MacPerl site_lib or lib directory, and move Tagset.pm into there.
SUPPORT

Questions, bug reports, and suggestions for HTML::Tagset should just be sent to me at sburke@cpan.org

AVAILABILITY

The latest version of HTML::Tagset is available from the Comprehensive Perl Archive Network (CPAN). Visit <http://www.perl.com/CPAN/> to find a CPAN site near you.

COPYRIGHT

Copyright 1999,2000 Sean M. Burke <sburke@cpan.org>; Copyright 1995-2000 Gisle Aas; all rights reserved.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137994102_1614192721.69/0/perl-HTML-Tagset-3.20-33.el8-1.src.rpm-cosi-expand-archive-TseYA3zO/HTML-Tagset-3.20.tar.gz-cosi-expand-archive-C8mYQAqB/HTML-Tagset-3.20/README

1.577 slf4j 1.7.30

1.577.1 Available under license:
No license file was found, but licenses were detected in source scan.

/**
 * Copyright (c) 2004-2011 QOS.ch
 * All rights reserved.
 *
 * Permission is hereby granted, free of charge, to any person obtaining
 * a copy of this software and associated documentation files (the
 * "Software"), to deal in the Software without restriction, including
 * without limitation the rights to use, copy, modify, merge, publish,
 * distribute, sublicense, and/or sell copies of the Software, and to
 * permit persons to whom the Software is furnished to do so, subject to
 * the following conditions:
 * 
 * The above copyright notice and this permission notice shall be
 * included in all copies or substantial portions of the Software.
 *
 * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
* EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
* MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
* NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
* LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
* OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
* WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
*
*/

Found in path(s):
* /opt/cola/permits/1134810204_1613424006.61/0/slf4j-api-1-7-30-sources-jar/org/slf4j/spi/MDCAdapter.java
* /opt/cola/permits/1134810204_1613424006.61/0/slf4j-api-1-7-30-sources-jar/org/slf4j/spi/MarkerFactory.java
* /opt/cola/permits/1134810204_1613424006.61/0/slf4j-api-1-7-30-sources-jar/org/slf4j/spi/LoggerFactoryBinder.java
* /opt/cola/permits/1134810204_1613424006.61/0/slf4j-api-1-7-30-sources-jar/org/slf4j/spi/LocationAwareLogger.java
* /opt/cola/permits/1134810204_1613424006.61/0/slf4j-api-1-7-30-sources-jar/org/slf4j/spi/MarkerFactoryBinder.java
* /opt/cola/permits/1134810204_1613424006.61/0/slf4j-api-1-7-30-sources-jar/org/slf4j/spi/MDC.java
* /opt/cola/permits/1134810204_1613424006.61/0/slf4j-api-1-7-30-sources-jar/org/slf4j/spi/NamedLoggerBase.java

Open Source Used In CSPC_Collector 2.9.1 5911
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work.
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses.
granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NONINFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Apache Tomcat
Copyright 1999-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

1.579 linux-firmware 18.168.6.1-94.el8.1

1.579.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers’ and authors’ protection, the GPL clearly explains that there is no warranty for this free software. For both users’ and authors’ sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users’ freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.
The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.
You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a
written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.
Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible
for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.
If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may
not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty: and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type 'show c' for details.
```

The hypothetical commands 'show w' and 'show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

---

1.580 activemq-stomp 5.15.14
1.580.1 Available under license:

ActiveMQ :: STOMP Protocol
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NONINFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.581 at 3.1.20 11.el8

1.581.1 Available under license:

This is the Debian GNU/Linux prepackaged version of the deferred execution scheduler called at.

This package was debianized by its author Thomas Koenig <ig25@rz.uni-karlsruhe.de>, taken over and re-packaged first by Martin Schulze <joey@debian.org> and then by Siggy Brentrup <bsb@winnegan.de>, and then taken over by Ryan Murray <rmurray@debian.org>.

In August 2009 the upstream development and Debian packaging were taken over by Ansgar Burchardt <ansgar@debian.org> and Cyril Brulebois <kibi@debian.org>.

In August 2015 the upstream development and Debian packaging were taken over by Jose M Calhariz <jose@calhariz.com>.

This may be considered the experimental upstream source, and since there doesn't seem to be any other upstream source, the only upstream source.

1993 (c) David Parsons
2002, 2005 (c) Ryan Murray

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

The files posixtm.c and posixtm.h have the following copyright information:


This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

parsetime.pl:

Copyright (C) 2009, Ansgar Burchardt <ansgar@debian.org>

Permission to use, copy, modify, and/or distribute this software for any
purpose with or without fee is hereby granted, provided that the above
copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH
REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT,
INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM
LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR
OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THIS SOFTWARE.

On Debian GNU/Linux systems, the complete text of the GNU General
Public License can be found in `/usr/share/common-licenses/GPL'.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

**GNU GENERAL PUBLIC LICENSE**
**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDistribute THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.582 ant-launcher 1.10.5
1.582.1 Available under license :
Apache Ant
Copyright 1999-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

The <sync> task is based on code Copyright (c) 2002, Landmark Graphics Corp that has been kindly donated to the Apache Software Foundation.
/*
 * Apache License
 * Version 2.0, January 2004
 * http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner

Open Source Used In CSPC_Collector 2.9.1 5944
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and
* (d) If the Work includes a "NOTICE" text file as part of its
** distribution, then any Derivative Works that You distribute must
** include a readable copy of the attribution notices contained
** within such NOTICE file, excluding those notices that do not
** pertain to any part of the Derivative Works, in at least one
** of the following places: within a NOTICE text file distributed
** as part of the Derivative Works; within the Source form or
** documentation, if provided along with the Derivative Works; or,
** within a display generated by the Derivative Works, if and
** wherever such third-party notices normally appear. The contents
** of the NOTICE file are for informational purposes only and
** do not modify the License. You may add Your own attribution
** notices within Derivative Works that You distribute, alongside
** or as an addendum to the NOTICE text from the Work, provided
** that such additional attribution notices cannot be construed
** as modifying the License.
*
** You may add Your own copyright statement to Your modifications and
** may provide additional or different license terms and conditions
** for use, reproduction, or distribution of Your modifications, or
** for any such Derivative Works as a whole, provided Your use,
** reproduction, and distribution of the Work otherwise complies with
** the conditions stated in this License.
*
** 5. Submission of Contributions. Unless You explicitly state otherwise,
** any Contribution intentionally submitted for inclusion in the Work
** by You to the Licensor shall be under the terms and conditions of
** this License, without any additional terms or conditions.
** Notwithstanding the above, nothing herein shall supersede or modify
** the terms of any separate license agreement You may have executed
** with Licensor regarding such Contributions.
*
** 6. Trademarks. This License does not grant permission to use the trade
** names, trademarks, service marks, or product names of the Licensor,
** except as required for reasonable and customary use in describing the
** origin of the Work and reproducing the content of the NOTICE file.
*
** 7. Disclaimer of Warranty. Unless required by applicable law or
** agreed to in writing, Licensor provides the Work (and each
** Contributor provides its Contributions) on an "AS IS" BASIS,
** WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
** implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "["]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

W3C SOFTWARE NOTICE AND LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This work (and included software, documentation such as READMEs, or other
related items) is being provided by the copyright holders under the following
license. By obtaining, using and/or copying this work, you (the licensee) agree
that you have read, understood, and will comply with the following terms and
conditions.

Permission to copy, modify, and distribute this software and its documentation,
with or without modification, for any purpose and without fee or royalty is
hereby granted, provided that you include the following on ALL copies of the
software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the
   redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms
   and conditions. If none exist, the W3C Software Short Notice should be
   included (hypertext is preferred, text is permitted) within the body
   of any redistributed or derivative code.
3. Notice of any changes or modifications to the files, including the date
   changes were made. (We recommend you provide URIs to the location from
   which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE
NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED
TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT
THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY
PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or
publicity pertaining to the software without specific, written prior permission.
Title to copyright in this software and any associated documentation will at
all times remain with copyright holders.
This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <site-policy@w3.org>

This license came from: http://www.megginson.com/SAX/copying.html
However please note future versions of SAX may be covered under http://saxproject.org/?selected=pd

SAX2 is Free!

I hereby abandon any property rights to SAX 2.0 (the Simple API for XML), and release all of the SAX 2.0 source code, compiled code, and documentation contained in this distribution into the Public Domain. SAX comes with NO WARRANTY or guarantee of fitness for any purpose.

David Megginson, david@megginson.com
2000-05-05

1.583 libmspack 0.7 0.3.alpha.el8.4

1.583.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The
former contains code derived from the library, whereas the latter must
be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other
program which contains a notice placed by the copyright holder or
other authorized party saying it may be distributed under the terms of
this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data
prepared so as to be conveniently linked with application programs
(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work
which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is
included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for
making modifications to it. For a library, complete source code means
all the source code for all modules it contains, plus any associated
interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based
on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's
complete source code as you receive it, in any medium, provided that
you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the
Library.

You may charge a fee for the physical act of transferring a copy,
and you may at your option offer warranty protection in exchange for a
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of
3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This package was debianized by Eric Sharkey <sharkey@debian.org> on Thu, 11 Jan 2001 13:05:48 -0500.

It was downloaded from https://www.cabextract.org.uk/

Upstream Author: Stuart Caie <kyzer@cabextract.org.uk>

Copyright:

You are free to distribute this software under the terms of the GNU General Public License.
On Debian systems, the complete text of the GNU General Public License can be found in /usr/share/common-licenses/GPL file.

1.584 kexec-tools 2.0.20-14.el8
1.584.1 Available under license :
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
total whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it.
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
      stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in
      whole or in part contains or is derived from the Program or any
      part thereof, to be licensed as a whole at no charge to all third
      parties under the terms of this License.

   c) If the modified program normally reads commands interactively
      when run, you must cause it, when started running for such
      interactive use in the most ordinary way, to print or display an
      announcement including an appropriate copyright notice and a
      notice that there is no warranty (or else, saying that you provide
      a warranty) and that users may redistribute the program under
      these conditions, and telling the user how to view a copy of this
      License. (Exception: if the Program itself is interactive but
      does not normally print such an announcement, your work based on
      the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.585 jetty-util-ajax 9.4.11.v20180605

1.586 tomcat-servlet-api 8.0.14

1.586.1 Available under license:

Apache Tomcat
Copyright 1999-2014 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
The original XML Schemas for Java EE Deployment Descriptors:
- javae_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javae_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javae_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd

may be obtained from:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

APACHE TOMCAT SUBCOMPONENTS:

Apache Tomcat includes a number of subcomponents with separate copyright notices and license terms. Your use of these subcomponents is subject to the terms and conditions of the following licenses.

For the following XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the following:

   A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;
B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the
Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted:
(1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted:
(1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in
Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.
You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED
HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant.) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.
8. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item, as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software. (as that term is defined at 48 C.F.R. ? 252.227-7014(a)(1)) and commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State
of California (excluding conflict-of-law provisions). Any litigation relating
to this License shall be subject to the jurisdiction of the Federal Courts of
the Northern District of California and the state courts of the State of
California, with venue lying in Santa Clara County, California.

1.587 slang 2.3.2 3.el8

1.587.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy, 
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain 
that everyone understands that there is no warranty for this free 
software. If the software is modified by someone else and passed on, we 
want its recipients to know that what they have is not the original, so 
that any problems introduced by others will not reflect on the original 
authors' reputations.

Finally, any free program is threatened constantly by software 
patents. We wish to avoid the danger that redistributors of a free 
program will individually obtain patent licenses, in effect making the 
program proprietary. To prevent this, we have made it clear that any 
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and 
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains 
a notice placed by the copyright holder saying it may be distributed 
under the terms of this General Public License. The "Program", below, 
refers to any such program or work, and a "work based on the Program" 
means either the Program or any derivative work under copyright law: 
that is to say, a work containing the Program or a portion of it, 
either verbatim or with modifications and/or translated into another 
language. (Hereinafter, translation is included without limitation in 
the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not 
covered by this License; they are outside its scope. The act of 
running the Program is not restricted, and the output from the Program 
is covered only if its contents constitute a work based on the 
Program (independent of having been made by running the Program). 
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's 
source code as you receive it, in any medium, provided that you 
conspicuously and appropriately publish on each copy an appropriate 
copyright notice and disclaimer of warranty; keep intact all the 
notices that refer to this License and to the absence of any warranty; 
and give any other recipients of the Program a copy of this License 
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author

Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.588 mlocate 0.26 20.el8
1.588.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a
notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w` and `show c` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w` and `show c`; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision` (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.589 spring-web 4.3.30.RELEASE
1.589.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2011 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *   https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268530_1614043101.680/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/multipart/MultipartHttpServletRequest.java
* /opt/cola/permits/1137268530_1614043101.680/spring-web-4-3-30-release-sources-1.jar/org/springframework/http/client/support/InterceptingHttpAccessor.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2014 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *    https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/method/annotation/ExpressionValueMethodArgumentResolver.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web-context/ConfigurableWebApplicationContext.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/context/support/ServletConfigPropertySource.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/remoting/jaxws/LocalJaxWsServiceFactory.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/context/support/GenericWebApplicationContext.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/context/support/ServletRequestHandledEvent.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/filter/ServerHttpAsyncRequestControl.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2008 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
Found in path(s):
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1.jar/org/springframework/web/context/request/AbstractRequestAttributes.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1.jar/org/springframework/web/filter/Log4jNestedDiagnosticContextFilter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1.jar/org/springframework/web/context/support/ContextExposingHttpServletRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1.jar/org/springframework/web/multipart/support/ByteArrayMultipartFileEditor.java

No license file was found, but licenses were detected in source scan.

/ *
* Copyright 2002-2020 the original author or authors.
* *
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* *
*   https://www.apache.org/licenses/LICENSE-2.0
* *
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1.jar/org/springframework/web/method/annotation/AbstractNamedValueMethodArgumentResolver.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1.jar/org/springframework/http/converter/HttpMessageConverter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1.jar/org/springframework/http/MediaType.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1.jar/org/springframework/web/util/UrlPathHelper.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1.jar/org/springframework/web/context/request/WebRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1.jar/org/springframework/web/multipart/support/RequestPartServletServerHttpServletRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1.jar/org/springframework/web/util/UrlPathHelper.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1.jar/org/springframework/web/bind/support/WebRequestDataBinder.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
jar/org/springframework/web/client/RestTemplate.java
* /opt/cola/permits/1137268530_161404310168/0/spring-web-4-3-30-release-sources-1-
jar/org/springframework/web/context/AbstractContextLoaderInitializer.java
* /opt/cola/permits/1137268530_161404310168/0/spring-web-4-3-30-release-sources-1-
jar/org/springframework/web/cors/CorsConfiguration.java
* /opt/cola/permits/1137268530_161404310168/0/spring-web-4-3-30-release-sources-1-
jar/org/springframework/web/method/support/InvocableHandlerMethod.java
* /opt/cola/permits/1137268530_161404310168/0/spring-web-4-3-30-release-sources-1-
jar/org/springframework/web/bind/annotation/CrossOrigin.java
* /opt/cola/permits/1137268530_161404310168/0/spring-web-4-3-30-release-sources-1-
jar/org/springframework/web/multipart/support/MissingServletRequestPartException.java
* /opt/cola/permits/1137268530_161404310168/0/spring-web-4-3-30-release-sources-1-
jar/org/springframework/web/util/UriComponentsBuilder.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2015 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*   https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268530_161404310168/0/spring-web-4-3-30-release-sources-1-
jar/org/springframework/web/context/AbstractContextLoaderInitializer.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2007 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*   https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
  jar/org/springframework/web/bind/support/WebBindingInitializer.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
  jar/org/springframework/web/bind/support/SessionStatus.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2012 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License);
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
*    https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
  jar/org/springframework/web/context/support/HttpRequestHandlerServlet.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
  jar/org/springframework/web/bind/MissingServletRequestParameterException.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
  jar/org/springframework/web/context/ConfigurableWebEnvironment.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
  jar/org/springframework/web/context/support/ServletContextAttributeFactoryBean.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
  jar/org/springframework/web/context/ServletConfigAware.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
  jar/org/springframework/remoting/invoker/HttpInvokerClientConfiguration.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
  jar/org/springframework/remoting/invoker/HttpInvokerClientConfiguration.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
  jar/org/springframework/web/context/ContextCleanupListener.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
  jar/org/springframework/remoting/jaxws/JaxWsSoapFaultException.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
  jar/org/springframework/web/util/IntrospectorCleanupListener.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4.3-30-release-sources-1-
  jar/org/springframework/web/bind/support/DefaultSessionAttributeStore.java
Open Source Used In CSPC_Collector 2.9.1 6007

* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/multipart/MultipartException.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/bind/ServletRequestUtils.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/multipart/MultipartRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/client/RestClientException.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/bind/annotation/support/HandlerMethodInvocationException.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/http/MediaTypeEditor.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/bind/ServletRequestParameterPropertyValues.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/bind/annotation/InitBinder.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/context/request/AsyncWebRequestInterceptor.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/bind/ServletRequestBindingException.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/context/support/RequestHandledEvent.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/context/request/RequestScope.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/context/support/ServletContextLiveBeansView.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2009 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 */
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*  
*      https://www.apache.org/licenses/LICENSE-2.0
*  
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
  * /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/http/client/ClientHttpRequestFactory.java
  * /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/web/client/ResponseExtractor.java
  * /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/web/client/support/RestGatewaySupport.java
  * /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/web/bind/annotation/Mapping.java
  * /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/web/client/RequestCallback.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2005 the original author or authors.
*  
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*  
*      https://www.apache.org/licenses/LICENSE-2.0
*  
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
  * /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/web/filter/ServletContextRequestLoggingFilter.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2019 the original author or authors.
Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

https://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Found in path(s):
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/util/UriTemplate.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/http/converter/xml/Jaxb2RootElementHttpMessageConverter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/util/HtmlCharacterEntityDecoder.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/method/annotation/AbstractWebArgumentResolverAdapter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/http/HttpStatus.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/http/HttpRange.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/http/converter/xml/SourceHttpMessageConverter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/http/server/ServerHttpRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/context/request/async/DeferredResult.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/bind/annotation/ControllerAdvice.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/context/request/AsyncHandlerMethodReturnValueHandler.java

No license file was found, but licenses were detected in source scan.

Copyright 2002-2015 the original author or authors.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
limitations under the License.
*/

Found in path(s):

* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/filter/ CommonsRequestLoggingFilter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/bind/annotation/CookieValue.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/client/AbstractClientHttpRequestFactoryWrapper.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/multipart/MultipartResolver.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/bind/annotation/RequestHeader.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/context/request/async/NoSupportAsyncWebRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/bind/annotation/MatrixVariable.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/bind/support/SpringWebConstraintValidatorFactory.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/HttpEntity.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/converter/HttpMessageNotWritableException.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/converter/HttpMessageConversionException.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/filter/ RequestContextFilter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/http/HttpMessage.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/bind/annotation/support/HandlerMethodResolver.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/method/annotation/MethodArgumentTypeMismatchException.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/accept/FixedContentNegotiationStrategy.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/context/request/async/CallableProcessingInterceptorAdapter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/context/request/async/DeferredResultProcessingInterceptorAdapter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/context/support/ServletContextResourcePatternResolver.java

Open Source Used In CSPC_Collector 2.9.1 6012
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2017 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/bind/annotation/SessionAttributes.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/method/annotation/RequestHeaderMethodArgumentResolver.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/context/request/async/StandardServletAsyncWebRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/context/request/async/CallableInterceptorChain.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/context/support/WebApplicationObjectSupport.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/converter/json/MappingJacksonInputMessage.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/util/ContentCachingResponseWrapper.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/util/OpaqueUriComponents.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/client/BufferingClientHttpResponseWrapper.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/client/support/HttpRequestWrapper.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/context/request/async/DeferredResultInterceptorChain.java

Open Source Used in CSPC_Collector 2.9.1 6013
jar/org/springframework/http/client/HttpComponentsStreamingClientHttpRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/context/request/async/WebAsyncUtils.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/client/InterceptingClientHttpRequestFactory.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/util/UriUtils.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/client/InterceptingClientHttpRequestFactory.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/context/request/async/WebAsyncUtils.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/util/UriUtils.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/bind/annotation/RestController.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/bind/annotation/RestController.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/converter/AbstractGenericHttpMessageConverter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/util/CookieGenerator.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/accept/ContentNegotiationManager.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/bind/EscapedErrors.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2017 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *    https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 *
Found in path(s):
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/converter/ActivationMediaTypeFactory.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2017 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *    https://www.apache.org/licenses/LICENSE-2.0
 */
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2016 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
* https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2016 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
* https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/web/bind/annotation/DeleteMapping.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/web/context/annotation/RequestScope.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/http/client(AbstractBufferingAsyncClientHttpRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/http/client/RestClientResponseException.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/http/RequestEntity.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/util/DefaultUriTemplateHandler.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/web/multipart/support/MultipartFilter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/http/client/support/BasicAuthorizationInterceptor.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/remoting/jaxws/SimpleJaxWsServiceExporter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/web/context/request/FacesRequestAttributes.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/web/bind/annotation/PostMapping.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/web/client/AsyncRestOperations.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/http/client/support/InterceptingAsyncHttpAccessor.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/http/components/AsyncClientHttpRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/http/components/AsyncClientHttpResponse.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/http/convert/ObjectToStringHttpMessageConverter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/http/components/AsyncClientHttpRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/http/components/AsyncClientHttpResponse.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/web/method/annotation/RequestMethodMethodArgumentResolver.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/remoting/caucho/HessianExporter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1- jar/org/springframework/web/bind/annotation/PostMapping.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2010 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/context/support/ServletContextResourceLoader.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2018 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
*   https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/remoting/httpinvoker/SimpleHttpInvokerRequestExecutor.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/bind/annotation/RequestBody.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/converter/json/MappingJacksonValue.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/client/ResponseErrorHandler.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/server/ServletServerHttpRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/filter/ForwardedHeaderFilter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/filter/RelativeRedirectResponseWrapper.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/remoting/jaxws/SimpleHttpServerJaxWsServiceExporter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/context/request/ServletWebRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/http/converter/json/GsonHttpMessageConverter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/context/support/AnnotationConfigWebApplicationContext.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/http/converter/AbstractHttpMessageConverter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/http/HttpMessageConverter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/web/context/ServletWebRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/http/client/ClientHttpRequestInterceptor.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1.jar/org/springframework/http/client/HttpComponentsClientHttpRequestFactory.java

Open Source Used In CSPC_Collector 2.9.1 6022
/*
 * Copyright 2002-2013 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/multipart/support/StandardServletMultipartResolver.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/multipart/commons/CommonsMultipartResolver.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/client/SimpleBufferingClientHttpRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/method/support/ModelAndViewContainer.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/converter/xml/Jaxb2CollectionHttpMessageConverter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/client/SimpleBufferingClientHttpRequest.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/jsf/el/WebApplicationContextFacesELResolver.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/multipart/commons/ CommonsMultipartResolver.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/http/converter/xml/XmlAwareFormHttpMessageConverter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/HttpMediaTypeNotSupportedException.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/remoting/caucho/HessianServiceExporter.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/remoting/caucho/HessianProxyFactoryBean.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/client/AsyncRequestCallback.java
* /opt/cola/permits/1137268530_1614043101.68/0/spring-web-4-3-30-release-sources-1-jar/org/springframework/web/HttpMediaTypeNotSupportedExce...
1.590 jdk 1.8.0u281
1.590.1 Available under license :

## GIFLIB v5.2.1

### GIFLIB License

The GIFLIB distribution is Copyright (c) 1997 Eric S. Raymond

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

https://sourceforge.net/p/giflib/code/ci/master/tree/openbsd-reallocarray.c

Copyright (c) 2008 Otto Moerbeek <otto@drijf.net>
SPDX-License-Identifier: MIT

```
## CUP Parser Generator for Java v 0.11b

### CUP Parser Generator License

Copyright 1996-2015 by Scott Hudson, Frank Flannery, C. Scott Ananian, Michael Petter

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the names of the authors or their employers not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

The authors and their employers disclaim all warranties with regard to this software, including all implied warranties of merchantability and fitness. In no event shall the authors or their employers be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortious action, arising out of or in connection with the use or performance of this software.

```

## RelaxNGCC v 1.12

### RelaxNGCC License

Copyright (c) 2008 Otto Moerbeek <otto@drijf.net>
SPDX-License-Identifier: MIT
Copyright (c) 2000-2003 Daisuke Okajima and Kohsuke Kawaguchi. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:

   "This product includes software developed by Daisuke Okajima and Kohsuke Kawaguchi (http://relaxngcc.sf.net/)."

Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names of the copyright holders must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact the copyright holders.

5. Products derived from this software may not be called "RELAXNGCC", nor may "RELAXNGCC" appear in their name, without prior written permission of the copyright holders.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```markdown
## xmlsoft.org: libxml2 v2.9.10

### libxml2 License

Exception where otherwise noted in the source code (e.g. the files hash.c,
list.c and the trio files, which are covered by a similar licence but with different Copyright notices) all the files are:

Copyright (C) 1998-2012 Daniel Veillard. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
## xmlsoft.org: libxslt v1.1.34

### libxslt License

Licence for libxslt except libexslt

```

Copyright (C) 2001-2002 Daniel Veillard. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE DANIEL VEILLARD BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CON-
Except as contained in this notice, the name of Daniel Veillard shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from him.

-----------------------------------------------------------------------------

Licence for libexslt
-----------------------------------------------------------------------------

Copyright (C) 2001-2002 Thomas Broyer, Charlie Bozeman and Daniel Veillard. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the authors shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from him.

-----------------------------------------------------------------------------

The licenses for Third Party components included with this product can be found under the /legal/jdk subdirectory. Each component's license is available as a separate markdown (.md) file.

## RelaxNG Datatype v1.0

### RelaxNG Datatype License

Copyright (c) 2005, 2010 Thai Open Source Software Center Ltd
All rights reserved.

Redistribution and use in source and binary forms, with or without
Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the names of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

---

### Mozilla Elliptic Curve Cryptography (ECC)

#### Mozilla ECC Notice

---

This notice is provided with respect to Elliptic Curve Cryptography, which is included with JRE, JDK, and OpenJDK.

You are receiving a copy of the Elliptic Curve Cryptography library in source form with the JDK and OpenJDK source distributions, and as object code in the JRE & JDK runtimes.

In the case of the JRE & JDK runtimes, the terms of the Oracle license do NOT apply to the Elliptic Curve Cryptography library; it is licensed under the following license, separately from Oracle's JDK & JRE. If you do not wish to install the Elliptic Curve Cryptography library, you may delete the Elliptic Curve Cryptography library:
- On Solaris and Linux systems: delete $(JAVA_HOME)/lib/libsunec.so
- On Windows systems: delete $(JAVA_HOME)/bin/sunec.dll
- On Mac OS X systems: delete
  - For JRE: /Library/Internet\ Plug-Ins/JavaAppletPlugin.plugin/Contents/Home/lib/libsunec.dylib
  - For JDK: $(JAVA_HOME)/jre/lib/libsunec.dylib

---

#### Written Offer for Source Code

---

For third party technology that you receive from Oracle in binary form which is licensed under an open source license that gives you the right to receive the source code for that binary, you can obtain a copy of the applicable source code from this page:
http://hg.openjdk.java.net/jdk8u/jdk8u/jdk/file/tip/src/share/native/sun/security/ec/impl

If the source code for the technology was not provided to you with the binary, you can also receive a copy of the source code on physical media by submitting a written request to:

Oracle America, Inc.
Attn: Associate General Counsel,
Development and Engineering Legal
500 Oracle Parkway, 10th Floor
Redwood Shores, CA 94065
Or, you may send an email to Oracle using the form at:

http://www.oracle.com/goto/opensourcecode/request

Your request should include:

- The name of the component or binary file(s) for which you are requesting the source code

- The name and version number of the Oracle product containing the binary

- The date you received the Oracle product

- Your name

- Your company name (if applicable)

- Your return mailing address and email and

- A telephone number in the event we need to reach you.

We may charge you a fee to cover the cost of physical media and processing. Your request must be sent (i) within three (3) years of the date you received the Oracle product that included the component or binary file(s) that are the subject of your request, or (ii) in the case of code licensed under the GPL v3, for as long as Oracle offers spare parts or customer support for that product model.

```bash
### LGPL 2.1

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL.  It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your

```
freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages—typically libraries—of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The
former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of
3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a “work that uses the Library” with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable “work that uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

```
## Independent JPEG Group: JPEG release 6b
### JPEG License
```

Must reproduce following license in documentation and/or other materials
provided with distribution:

The authors make NO WARRANTY or representation, either express or implied,
with respect to this software, its quality, accuracy, merchantability, or
fitness for a particular purpose. This software is provided "AS IS",
and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-1998, Thomas G. Lane.
All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute
this software (or portions thereof) for any purpose, without fee,
subject to these conditions:

(1) If any part of the source code for this software is distributed,
then this README file must be included, with this copyright and no-warranty
notice unaltered; and any additions, deletions, or changes to the original
files must be clearly indicated in accompanying documentation.

(2) If only executable code is distributed, then the accompanying documentation
must state that "this software is based in part on the work of the
Independent JPEG Group".

(3) Permission for use of this software is granted only if the user accepts
full responsibility for any undesirable consequences; the authors accept
NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code,
not just to the unmodified library. If you use our work, you ought to
acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name
in advertising or publicity relating to this software or products derived
from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

ansi2knr.c is included in this distribution by permission of L. Peter Deutsch, sole proprietor of its copyright holder, Aladdin Enterprises of Menlo Park, CA. ansi2knr.c is NOT covered by the above copyright and conditions, but instead by the usual distribution terms of the Free Software Foundation; principally, that you must include source code if you redistribute it. (See the file ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that "The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

```
COPYRIGHT NOTICE, DISCLAIMER, and LICENSE
============================================

PNG Reference Library License version 2
----------------------------------------

* Copyright (c) 1995-2019 The PNG Reference Library Authors.
* Copyright (c) 2018-2019 Cosmin Truta.
* Copyright (c) 1996-1997 Andreas Dilger.
* Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

The software is supplied "as is", without warranty of any kind, express or implied, including, without limitation, the warranties of merchantability, fitness for a particular purpose, title, and non-infringement. In no event shall the Copyright owners, or anyone distributing the software, be liable for any damages or other liability, whether in contract, tort or otherwise, arising from, out of, or in connection with the software, or the use or other dealings in the software, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this software, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated, but is not required.

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

3. This Copyright notice may not be removed or altered from any source or altered source distribution.

PNG Reference Library License version 1 (for libpng 0.5 through 1.6.35)
-----------------------------------------------------------------------

libpng versions 1.0.7, July 1, 2000, through 1.6.35, July 15, 2018 are Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson, are derived from libpng-1.0.6, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals
added to the list of Contributing Authors:

Simon-Pierre Cadieux
Eric S. Raymond
Mans Rullgard
Cosmin Truta
Gilles Vollant
James Yu
Mandar Sahastrabuddhe
Google Inc.
Vadim Barkov

and with the following additions to the disclaimer:

There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

Some files in the "contrib" directory and some configure-generated files that are distributed with libpng have other copyright owners, and are released under other open source licenses.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998-2000 Glenn Randers-Pehrson, are derived from libpng-0.96, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

Tom Lane
Glenn Randers-Pehrson
Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are Copyright (c) 1996-1997 Andreas Dilger, are derived from libpng-0.88, and are distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors:

John Bowler
Kevin Bracey
Sam Bushell
Magnus Holmgren
Greg Roelofs
Tom Tanner
Some files in the "scripts" directory have other copyright owners, but are released under this license.

libpng versions 0.5, May 1995, through 0.88, January 1996, are Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors" is defined as the following set of individuals:

Andreas Dilger  
Dave Martindale  
Guy Eric Schalnat  
Paul Schmidt  
Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this source code must not be misrepresented.

2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.

3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

```
Copyright (c) 1995-2005 The Cryptix Foundation Limited.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE CRYPTIX FOUNDATION LIMITED AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE CRYPTIX FOUNDATION LIMITED OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
## IBM International Components for Unicode (ICU4C) v64.2

### ICU License

COPYRIGHT AND PERMISSION NOTICE (ICU 58 and later)

Copyright 1991-2019 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in https://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either
(a) this copyright and permission notice appear with all copies
of the Data Files or Software, or
(b) this copyright and permission notice appear in associated
Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF
ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS
NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL
DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder
shall not be used in advertising or otherwise to promote the sale,
use or other dealings in these Data Files or Software without prior
written authorization of the copyright holder.

---------------------

Third-Party Software Licenses

This section contains third-party software notices and/or additional
terms for licensed third-party software components included within ICU
libraries.

1. ICU License - ICU 1.8.1 to ICU 57.1

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2016 International Business Machines Corporation and others
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, and/or sell copies of the Software, and to permit persons
to whom the Software is furnished to do so, provided that the above
copyright notice(s) and this permission notice appear in all copies of
the Software and that both the above copyright notice(s) and this
permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.


# The Google Chrome software developed by Google is licensed under
# the BSD license. Other software included in this distribution is
# provided under other licenses, as set forth below.
# The BSD License
# http://opensource.org/licenses/bsd-license.php
# Copyright (C) 2006-2008, Google Inc.
#
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are met:
# Redistributions of source code must retain the above copyright notice,
# this list of conditions and the following disclaimer.
# Redistributions in binary form must reproduce the above
# copyright notice, this list of conditions and the following
# disclaimer in the documentation and/or other materials provided with
# the distribution.
# Neither the name of Google Inc. nor the names of its
# contributors may be used to endorse or promote products derived from
# this software without specific prior written permission.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
# CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
# LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
# CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
# SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
# BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
# LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
# NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
# SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
#
# The word list in cjdict.txt are generated by combining three word lists
# listed below with further processing for compound word breaking. The
# frequency is generated with an iterative training against Google web
# corpora.
#
# * Libtabe (Chinese)
#   - https://sourceforge.net/project/?group_id=1519
#   - Its license terms and conditions are shown below.
#
# * IPADIC (Japanese)
#   - http://chasen.aist-nara.ac.jp/chasen/distribution.html
#   - Its license terms and conditions are shown below.
#
# ----------COPYING.libtabe ---- BEGIN------------------
# /*
# * Copyright (c) 1999 TaBE Project.
# * Copyright (c) 1999 Pai-Hsiang Hsiao.
# * All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * . Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * . Redistributions in binary form must reproduce the above copyright
# * notice, this list of conditions and the following disclaimer in
# * the documentation and/or other materials provided with the
# * distribution.
# * . Neither the name of the TaBE Project nor the names of its
# * contributors may be used to endorse or promote products derived
# * from this software without specific prior written permission.
# *
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR  
# * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
# * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,  
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)  
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED  
# * OF THE POSSIBILITY OF SUCH DAMAGE.  
# */
#/
#/*
# * Copyright (c) 1999 Computer Systems and Communication Lab,  
# * Institute of Information Science, Academia  
# * Sinica. All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without  
# * modification, are permitted provided that the following conditions  
# * are met:
# *
# * . Redistributions of source code must retain the above copyright  
# * notice, this list of conditions and the following disclaimer.  
# * . Redistributions in binary form must reproduce the above copyright  
# * notice, this list of conditions and the following disclaimer in  
# * the documentation and/or other materials provided with the  
# * distribution.
# * . Neither the name of the Computer Systems and Communication Lab  
# * nor the names of its contributors may be used to endorse or  
# * promote products derived from this software without specific  
# * prior written permission.
# *
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS  
# * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT  
# * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS  
# * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE  
# * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,  
# * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES  
# * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR  
# * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
# * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,  
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)  
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED  
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
#
# Copyright 1996 Chih-Hao Tsai @ Beckman Institute,  
# University of Illinois  
# c-tsai4@uiuc.edu http://casper.beckman.uiuc.edu/~c-tsai4  
#
# ---------------COPYING.libtabe-----END--------------------------------
# Copyright 2000, 2001, 2002, 2003 Nara Institute of Science
# and Technology. All Rights Reserved.
#
# Use, reproduction, and distribution of this software is permitted.
# Any copy of this software, whether in its original form or modified,
# must include both the above copyright notice and the following
# paragraphs.
#
# Nara Institute of Science and Technology (NAIST),
# the copyright holders, disclaims all warranties with regard to this
# software, including all implied warranties of merchantability and
# fitness, in no event shall NAIST be liable for
# any special, indirect or consequential damages or any damages
# whatsoever resulting from loss of use, data or profits, whether in an
# action of contract, negligence or other tortuous action, arising out
# of or in connection with the use or performance of this software.
#
# A large portion of the dictionary entries
# originate from ICOT Free Software. The following conditions for ICOT
# Free Software applies to the current dictionary as well.
#
# Each User may also freely distribute the Program, whether in its
# original form or modified, to any third party or parties, PROVIDED
# that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
# on, or be attached to, the Program, which is distributed substantially
# in the same form as set out herein and that such intended
# distribution, if actually made, will neither violate or otherwise
# contravene any of the laws and regulations of the countries having
# jurisdiction over the User or the intended distribution itself.
#
# NO WARRANTY
#
# The program was produced on an experimental basis in the course of the
# research and development conducted during the project and is provided
# to users as so produced on an experimental basis. Accordingly, the
# program is provided without any warranty whatsoever, whether express,
# implied, statutory or otherwise. The term "warranty" used herein
# includes, but is not limited to, any warranty of the quality,
# performance, merchantability and fitness for a particular purpose of
# the program and the nonexistence of any infringement or violation of
# any right of any third party.
#
# Each user of the program will agree and understand, and be deemed to
# have agreed and understood, that there is no warranty whatsoever for
# the program and, accordingly, the entire risk arising from or
# otherwise connected with the program is assumed by the user.
#
# Therefore, neither ICOT, the copyright holder, or any other
# organization that participated in or was otherwise related to the
# development of the program and their respective officials, directors,
# officers and other employees shall be held liable for any and all
# damages, including, without limitation, general, special, incidental
# and consequential damages, arising out of or otherwise in connection
# with the use or inability to use the program or any product, material
# or result produced or otherwise obtained by using the program,
# regardless of whether they have been advised of, or otherwise had
# knowledge of, the possibility of such damages at any time during the
# project or thereafter. Each user will be deemed to have agreed to the
# foregoing by his or her commencement of use of the program. The term
# "use" as used herein includes, but is not limited to, the use,
# modification, copying and distribution of the program and the
# production of secondary products from the program.
#
# In the case where the program, whether in its original form or
# modified, was distributed or delivered to or received by a user from
# any person, organization or entity other than ICOT, unless it makes or
# grants independently of ICOT any specific warranty to the user in
# writing, such person, organization or entity, will also be exempted
# from and not be held liable to the user for any such damages as noted
# above as far as the program is concerned.
#
# -----------COPYING.ipadic-----END-------------------------------

3. Lao Word Break Dictionary Data (laodict.txt)

# Copyright (c) 2013 International Business Machines Corporation
# and others. All Rights Reserved.
#
# Project: http://code.google.com/p/lao-dictionary/
# License: http://lao-dictionary.googlecode.com/git/Lao-Dictionary-LICENSE.txt
# (copied below)
#
# This file is derived from the above dictionary, with slight
# modifications.
# -----------------------------------------------
# Copyright (C) 2013 Brian Eugene Wilson, Robert Martin Campbell.
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification,
# are permitted provided that the following conditions are met:
#
# Redistribution of source code must retain the above copyright notice, this
# list of conditions and the following disclaimer. Redistributions in
# binary form must reproduce the above copyright notice, this list of
# conditions and the following disclaimer in the documentation and/or
# other materials provided with the distribution.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
# INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# OF THE POSSIBILITY OF SUCH DAMAGE.
#
# 4. Burmese Word Break Dictionary Data (burmesedict.txt)

# Copyright (c) 2014 International Business Machines Corporation
# and others. All Rights Reserved.
#
# This list is part of a project hosted at:
# github.com/kanyawtech/myanmar-karen-word-lists
#
# Copyright (c) 2013, LeRoy Benjamin Sharon
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions
# are met: Redistributions of source code must retain the above
# copyright notice, this list of conditions and the following
# disclaimer. Redistributions in binary form must reproduce the
# above copyright notice, this list of conditions and the following
# disclaimer in the documentation and/or other materials provided
# with the distribution.
#
# Neither the name Myanmar Karen Word Lists, nor the names of its
# contributors may be used to endorse or promote products derived
# from this software without specific prior written permission.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
# CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, # INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF # MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE # DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS # BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, # EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED # TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, # DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON # ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR # TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF # THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF # SUCH DAMAGE.
# ---------------------------------------------------------------------------

5. Time Zone Database

ICU uses the public domain data and code derived from Time Zone Database for its time zone support. The ownership of the TZ database is explained in BCP 175: Procedure for Maintaining the Time Zone Database section 7.

# 7. Database Ownership
#
# The TZ database itself is not an IETF Contribution or an IETF document. Rather it is a pre-existing and regularly updated work that is in the public domain, and is intended to remain in the public domain. Therefore, BCPs 78 [RFC5378] and 79 [RFC3979] do not apply to the TZ Database or contributions that individuals make to it. Should any claims be made and substantiated against the TZ Database, the organization that is providing the IANA Considerations defined in this RFC, under the memorandum of understanding with the IETF, currently ICANN, may act in accordance with all competent court orders. No ownership claims will be made by ICANN or the IETF Trust on the database or the code. Any person making a contribution to the database or code waives all rights to future claims in that contribution or in the TZ Database.

6. Google double-conversion

Copyright 2006-2011, the V8 project authors. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
## freebXML Registry v3.1

### freebXML Notice
```nn

* This software consists of voluntary contributions made by many individuals on behalf of the freebxml Software Foundation. For more information on the freebxml Software Foundation, please see "http://www.freebxml.org/".
* This product includes software developed by the Apache Software Foundation (http://www.apache.org/).
* $Header: /cvsroot/ebxmlrr/omar/license.txt,v 1.3 2006/04/16 19:10:35 dougb62 Exp $

```nn

### The freebXML License, Version 1.1

```nn
====================================================================
*
* The freebxml License, Version 1.1
*
* Copyright (c) 2001 freebxml.org. All rights reserved.
```nn
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
*
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
*
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in
* the documentation and/or other materials provided with the
* distribution.
*
* 3. The end-user documentation included with the redistribution, if
* any, must include the following acknowledgment:
*   "This product includes software developed by
*   freebxml.org (http://www.freebxml.org/)."
* Alternately, this acknowledgment may appear in the software itself,
* if and wherever such third-party acknowledgments normally appear.
*
* 4. The names "The freebXML Registry Project", "freebxml Software
* Foundation" must not be used to endorse or promote products derived
* from this software without prior written permission. For written
* permission, please contact ebxmlrr-team@lists.sourceforge.net.
*
* 5. Products derived from this software may not be called "freebxml",
* "freebXML Registry" nor may freebxml" appear in their names without prior
* written permission of the freebxml Group.
*
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE freebxml SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
```
```
```
## Independent JPEG Group (IJG) JPEG v9d

```
```
/*
 * jcapimin.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * Modified 2003-2010 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 */

[From the README file]
The authors make NO WARRANTY or representation, either express or implied,
with respect to this software, its quality, accuracy, merchantability, or
fitness for a particular purpose. This software is provided "AS IS", and you,
its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-2020, Thomas G. Lane, Guido Vollbeding.
All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this
software (or portions thereof) for any purpose, without fee, subject to these
conditions:
(1) If any part of the source code for this software is distributed, then this
README file must be included, with this copyright and no-warranty notice
unalterred; and any additions, deletions, or changes to the original files
must be clearly indicated in accompanying documentation.
(2) If only executable code is distributed, then the accompanying
documentation must state that "this software is based in part on the work of
the Independent JPEG Group".
(3) Permission for use of this software is granted only if the user accepts
full responsibility for any undesirable consequences; the authors accept
NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code,
not just to the unmodified library. If you use our work, you ought to
acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name
in advertising or publicity relating to this software or products derived from
it. This software may be referred to only as "the Independent JPEG Group's
software".

We specifically permit and encourage the use of this software as the basis of
commercial products, provided that all warranty or liability claims are
assumed by the product vendor.

```
## WebKit Open Source Project: WebKit v610.1

### WebKit Notice

You are receiving a copy of WebKit in either source or object code in the JavaFX runtime or JavaFX SDK. The terms of the Oracle license do NOT apply to WebKit; it is licensed under the following license, separately from the Oracle programs you receive. If you do not wish to install this library, you may delete this library:

- On 32-bit Linux systems: delete $(JAVA_HOME)/lib/i386/libjfxwebkit.so
- On 64-bit Linux systems: delete $(JAVA_HOME)/lib/amd64/libjfxwebkit.so
- On Mac OS X systems: delete $(JAVA_HOME)/lib/libjfxwebkit.dylib
- On Windows systems: delete $(JAVA_HOME)/bin/jfxwebkit.dll

A copy of the Oracle modified WebKit library source code is located in the following OpenJDK git repository:

https://github.com/openjdk/jfx

You can use git to clone the repository or you can browse the source using a web browser. The root directory of the WebKit source code is here:

rt/modules/javafx.web/src/main/native/

### LGPL 2.1

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.
Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must
be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

---

## Unicode Character Database v6.2

### Unicode Character Database

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

See Terms of Use for definitions of Unicode Inc.'s Data Files and Software.

NOTICE TO USER: Carefully read the following legal agreement.
BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT.
IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE
Copyright 1991-2019 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in https://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either (a) this copyright and permission notice appear with all copies of the Data Files or Software, or (b) this copyright and permission notice appear in associated Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS
NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

---

## OASIS PKCS #11 Cryptographic Token Interface v2.40

### OASIS PKCS #11 Cryptographic Token Interface License

Copyright (c) OASIS Open 2016. All Rights Reserved.

All capitalized terms in the following text have the meanings assigned to them in the OASIS Intellectual Property Rights Policy (the “OASIS IPR Policy”). The full Policy may be found at the OASIS website: [http://www.oasis-open.org/policies-guidelines/ipr](http://www.oasis-open.org/policies-guidelines/ipr)

This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published, and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this section are included on all such copies and derivative works. However, this document itself may not be modified in any way, including by removing the copyright notice or references to OASIS, except as needed for the purpose of developing any document or deliverable produced by an OASIS Technical Committee (in which case the rules applicable to copyrights, as set forth in the OASIS IPR Policy, must be followed) or as required to translate it into languages other than English.

The limited permissions granted above are perpetual and will not be revoked by OASIS or its successors or assigns.

This document and the information contained herein is provided on an “AS IS” basis and OASIS DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY OWNERSHIP RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. OASIS AND ITS MEMBERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THIS DOCUMENT OR ANY PART THEREOF.

---
## GNU Glib v2.62.2

### Glib Notice
```
You are receiving a copy of GNU Glib, Version: 2.62.2 in either source or object code in the JavaFX runtime or JavaFX SDK. The terms of the Oracle license do NOT apply to the GNU Glib, Version: 2.62.2; it is licensed under the following license, separately from the Oracle programs you receive. If you do not wish to install this library, you may delete this library:

- On 32-bit Linux systems: delete $(JAVA_HOME)/lib/i386/libglib-lite.so
- On 64-bit Linux systems: delete $(JAVA_HOME)/lib/amd64/libglib-lite.so
- On Mac OS X systems: delete $(JAVA_HOME)/lib/libglib-lite.dylib
- On Windows systems: delete $(JAVA_HOME)/bin\glib-lite.dll

A copy of the Oracle modified GNU Glib library source code is located in the following OpenJDK git repository:

https://github.com/openjdk/jfx

You can use git to clone the repository or you can browse the source using a web browser. The root directory of the GNU Glib source code is here:

rt/modules/javafx.media/src/main/native/gstreamer/3rd_party/glib/
```

### LGPL 2.1
```
GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages—typically libraries—of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that
any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a
"work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy,
and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

   These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

   Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

   In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above,

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

```
## International Components for Unicode (ICU4J) v60.2

### ICU4J License
```

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE
Unicode Data Files include all data files under the directories
http://www.unicode.org/Public/, http://www.unicode.org/reports/,
http://www.unicode.org/cldr/data/,
http://source.icu-project.org/repos/icu/, and
http://www.unicode.org/utility/trac/browser/.

Unicode Data Files do not include PDF online code charts under the
directory http://www.unicode.org/Public/.

Software includes any source code published in the Unicode Standard
or under the directories
http://www.unicode.org/Public/, http://www.unicode.org/reports/,
http://www.unicode.org/cldr/data/,
http://source.icu-project.org/repos/icu/, and
http://www.unicode.org/utility/trac/browser/.

NOTICE TO USER: Carefully read the following legal agreement.
BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S
DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"),
YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE
TERMS AND CONDITIONS OF THIS AGREEMENT.
IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE
THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright 1991-2018 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining
a copy of the Unicode data files and any associated documentation
(the "Data Files") or Unicode software and any associated documentation
(the "Software") to deal in the Data Files or Software
without restriction, including without limitation the rights to use,
copy, modify, merge, publish, distribute, and/or sell copies of
the Data Files or Software, and to permit persons to whom the Data Files
or Software are furnished to do so, provided that either
(a) this copyright and permission notice appear with all copies
of the Data Files or Software, or
(b) this copyright and permission notice appear in associated
Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF
ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS
NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL
DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder
shall not be used in advertising or otherwise to promote the sale,
use or other dealings in these Data Files or Software without prior
written authorization of the copyright holder.

```markdown
## Mesa 3-D Graphics Library v19.2.1

### Mesa License

Copyright (C) 1999-2007  Brian Paul  All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
Attention, Contributors

When contributing to the Mesa project you must agree to the licensing terms of the component to which you're contributing.

The following section lists the primary components of the Mesa distribution and their respective licenses.

**Mesa Component Licenses**

<table>
<thead>
<tr>
<th>Component</th>
<th>Location</th>
<th>License</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Mesa code</td>
<td>src/mesa/</td>
<td>MIT</td>
</tr>
<tr>
<td>Device drivers</td>
<td>src/mesa/drivers/*</td>
<td>MIT, generally</td>
</tr>
<tr>
<td>Gallium code</td>
<td>src/gallium/</td>
<td>MIT</td>
</tr>
<tr>
<td>Ext headers</td>
<td>GL/glext.h</td>
<td>Khronos</td>
</tr>
<tr>
<td></td>
<td>GL/glxext.h</td>
<td>Khronos</td>
</tr>
<tr>
<td></td>
<td>GL/wglext.h</td>
<td>Khronos</td>
</tr>
<tr>
<td></td>
<td>KHR/khrplatform.h</td>
<td>Khronos</td>
</tr>
</tbody>
</table>

---

include/GL/glx.h:

Mesa 3-D graphics library

Copyright (C) 1999-2006  Brian Paul  All Rights Reserved.
Copyright (C) 2009  VMware, Inc.  All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

*****************************************************************************

----

include/GL/glext.h
include/GL/glxext.h
include/GL/wglxext.h :

Copyright (c) 2013 - 2018 The Khronos Group Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials.

THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS.

*****************************************************************************

----

include/KHR/khrplatform.h :

Copyright (c) 2008 - 2018 The Khronos Group Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish,
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials.

THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS.

*****************************************************************************

```
## IAIK (Institute for Applied Information Processing and Communication) PKCS#11 wrapper files v1

### IAIK License

Copyright (c) 2002 Graz University of Technology. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:

   "This product includes software developed by IAIK of Graz University of Technology."

   Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgment normally appear.

4. The names "Graz University of Technology" and "IAIK of Graz University of Technology" must not be used to endorse or promote products derived from this software without prior written permission.

```
5. Products derived from this software may not be called "IAIK PKCS Wrapper", nor may "IAIK" appear in their name, without prior written permission of Graz University of Technology.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE LICENSOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---

## Unicode Common Local Data Repository (CLDR) v21.0.1

### CLDR License

---

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories http://www.unicode.org/Public/, http://www.unicode.org/reports/, and http://www.unicode.org/cldr/data/. Unicode Data Files do not include PDF online code charts under the directory http://www.unicode.org/Public/.


NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.’S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright 1991-2012 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without
limitation the rights to use, copy, modify, merge, publish, distribute, and/or
sell copies of the Data Files or Software, and to permit persons to whom the
Data Files or Software are furnished to do so, provided that (a) the above
copyright notice(s) and this permission notice appear with all copies of the
Data Files or Software, (b) both the above copyright notice(s) and this
permission notice appear in associated documentation, and (c) there is clear
notice in each modified Data File or in the Software as well as in the
documentation associated with the Data File(s) or Software that the data or
software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY
KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD
PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN
THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL
DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR
PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS
ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE
DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not
be used in advertising or otherwise to promote the sale, use or other dealings
in these Data Files or Software without prior written authorization of the
copyright holder.

Unicode and the Unicode logo are trademarks of Unicode, Inc. in the United
States and other countries. All third party trademarks referenced herein are
the property of their respective owners.

```---
## Microsoft DirectShow Samples v156905
### MIT License (MIT)
---
```

Copyright (c) 1992-2004 Microsoft Corporation. All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software,
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
## Mesa 3-D Graphics Library v19.2.1

### Mesa License

Copyright (C) 1999-2007  Brian Paul   All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Attention, Contributors

When contributing to the Mesa project you must agree to the licensing terms of the component to which you're contributing.

The following section lists the primary components of the Mesa distribution and their respective licenses.

Mesa Component Licenses

<table>
<thead>
<tr>
<th>Component</th>
<th>Location</th>
<th>License</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Mesa code</td>
<td>src/mesa/</td>
<td>MIT</td>
</tr>
<tr>
<td>Device drivers</td>
<td>src/mesa/drivers/*</td>
<td>MIT, generally</td>
</tr>
</tbody>
</table>
Gallium code src/gallium/ MIT

Ext headers GL/glext.h Khronos
   GL/glxext.h Khronos
   GL/wglext.h Khronos
   KHR/khrplatform.h Khronos

*****************************************************************************
----
include/GL/gl.h :
Mesa 3-D graphics library

Copyright (C) 1999-2006  Brian Paul  All Rights Reserved.
Copyright (C) 2009  VMware, Inc.  All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.  IN NO EVENT SHALL
THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR
OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE,
 ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR
OTHER DEALINGS IN THE SOFTWARE.

*****************************************************************************
----
include/GL/glext.h
include/GL/glxext.h
include/GL/wglext.h :

Copyright (c) 2013 - 2018 The Khronos Group Inc.

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials.

THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS.

*****************************************************************************

```---
include/KHR/khrplatform.h :

Copyright (c) 2008 - 2018 The Khronos Group Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials.

THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS.

*****************************************************************************

```
## Thai Dictionary

### Thai Dictionary License

```
Copyright (C) 1982 The Royal Institute, Thai Royal Government.

Copyright (C) 1998 National Electronics and Computer Technology Center,
National Science and Technology Development Agency,
Ministry of Science Technology and Environment,
Thai Royal Government.

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all
copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.
```

```
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```markdown
The licenses for Third Party components included with this product can be found under the /legal/javafx subdirectory. Each component's license is available as a separate markdown (.md) file
## zlib v1.2.11

### zlib License
```markdown
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly   Mark Adler
jloup@gzip.org     madler@alumni.caltech.edu

## Apache Xerces v2.12.1

### Apache Xerces Notice
```markdown
==================================================================================================
== NOTICE file corresponding to section 4(d) of the Apache License, Version 2.0, in this case for the Apache Xerces Java distribution. ==
==================================================================================================
Apache Xerces Java
Copyright 1999-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions of this software were originally based on the following:
- voluntary contributions made by Paul Eng on behalf of the
  Apache Software Foundation that were originally developed at iClick, Inc.,
  software copyright (c) 1999.

```
### Apache 2.0 License
```

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and where ever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.
END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

```
## Little Color Management System (LCMS) v2.11

### LCMS License

Little Color Management System
Copyright (c) 1998-2020 Marti Maria Saguer

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the Software
is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO
THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
## Apache XML Commons Resolver v1.2

### Apache XML Commons Resolver Notice

This product includes software developed by The Apache Software
Foundation (http://www.apache.org/).

Copyright 2001-2004 The Apache Software Foundation or its licensor,
as applicable.

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

```
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."
"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained therein.
within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

```
Copyright 1993, 2021, Oracle and/or its affiliates.
All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.
Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

## Apache Commons Byte Code Engineering Library (BCEL) Version 6.3.1

### Apache Commons BCEL Notice

```
=========================================================================
== NOTICE file corresponding to the section 4 d of                    ==
== the Apache License, Version 2.0,                                   ==
== in this case for the Apache Commons BCEL distribution.             ==
=========================================================================

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

```

### Apache 2.0 License

```
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
```
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
   that You distribute, all copyright, patent, trademark, and
   attribution notices from the Source form of the Work,
   excluding those notices that do not pertain to any part of
   the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties of MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and
limitations under the License.

---

## jopt-simple v3.0

### MIT License

---

Copyright (c) 2004-2009 Paul R. Holser, Jr.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

---

## LibFFI v3.3

### LibFFI License

---

libffi - Copyright (c) 1996-2019 Anthony Green, Red Hat, Inc and others.

See source files for details.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED ``AS IS'', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

```
## GStreamer v1.16.1

### GStreamer Notice
```

You are receiving a copy of GStreamer, Version: 1.16.1 in either source or object code in the JavaFX runtime or JavaFX SDK. The terms of the Oracle license do NOT apply to the GStreamer, Version: 1.16.1; it is licensed under the following license, separately from the Oracle programs you receive. If you do not wish to install this library, you may delete this library:

- On 32-bit Linux systems: delete $(JAVA_HOME)/lib/i386/libgstreamer-lite.so
- On 64-bit Linux systems: delete $(JAVA_HOME)/lib/amd64/libgstreamer-lite.so
- On Mac OS X systems: delete $(JAVA_HOME)/lib/libgstreamer-lite.dylib
- On Windows systems: delete $(JAVA_HOME)/bin\gstreamer-lite.dll

A copy of the Oracle modified GStreamer library source code is located in the following OpenJDK git repository:

https://github.com/openjdk/jfx

You can use git to clone the repository or you can browse the source using a web browser. The root directory of the GStreamer source code is here:

rt/modules/javafx.media/src/main/native/gstreamer/gstreamer-lite/
```

### LGPL 2.1
```

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies

Open Source Used In CSPC_Collector 2.9.1 6113
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know
that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's
complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

```
## Apache Xalan v2.7.2
### Apache Xalan Notice
```
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of,
"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
(a) You must give any other recipients of the Work or 
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices 
stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works 
that You distribute, all copyright, patent, trademark, and 
attrition notices from the Source form of the Work, 
excluding those notices that do not pertain to any part of 
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its 
distribution, then any Derivative Works that You distribute must 
include a readable copy of the attribution notices contained 
within such NOTICE file, excluding those notices that do not 
pertain to any part of the Derivative Works, in at least one 
of the following places: within a NOTICE text file distributed 
as part of the Derivative Works; within the Source form or 
documentation, if provided along with the Derivative Works; or, 
within a display generated by the Derivative Works, if and 
wherever such third-party notices normally appear. The contents 
of the NOTICE file are for informational purposes only and 
do not modify the License. You may add Your own attribution 
notices within Derivative Works that You distribute, alongside 
or as an addendum to the NOTICE text from the Work, provided 
that such additional attribution notices cannot be construed 
as modifying the License.

You may add Your own copyright statement to Your modifications and 
may provide additional or different license terms and conditions 
for use, reproduction, or distribution of Your modifications, or 
for any such Derivative Works as a whole, provided Your use, 
reproduction, and distribution of the Work otherwise complies with 
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, 
any Contribution intentionally submitted for inclusion in the Work 
by You to the Licensor shall be under the terms and conditions of 
this License, without any additional terms or conditions. 
Notwithstanding the above, nothing herein shall supersede or modify 
the terms of any separate license agreement you may have executed 
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade 
names, trademarks, service marks, or product names of the Licensor, 
except as required for reasonable and customary use in describing the 
origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]
Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

```
## Dynalink v.5

### Dynalink License

Copyright (c) 2009-2013, Attila Szegedi

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:
* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
* Neither the name of the copyright holder nor the names of
  contributors may be used to endorse or promote products derived from
  this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS
IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTicular PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL COPYRIGHT HOLDER
BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR
OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF
ADvised OF THE POSSIBILITY OF SUCH DAMAGE.

## DOM Level 3 Core Specification v1.0
W3C SOFTWARE NOTICE AND LICENSE

http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.

2. Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.

3. Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION. The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this
license can be used with materials other than those owned by the W3C, reflects
that ERCIM is now a host of the W3C, includes references to this specific
dated version of the license, and removes the ambiguous grant of "use".
Otherwise, this version is the same as the previous version and is written so
as to preserve the Free Software Foundation's assessment of GPL compatibility
and OSI's certification under the Open Source Definition. Please see our
Copyright FAQ for common questions about using materials from our site,
including specific terms and conditions for packages like libwww, Amaya, and
Jigsaw. Other questions about this notice can be directed to
site-policy@w3.org.

## Apache Santuario XML Security for Java v2.1.4

### Apache Santuario Notice

Apache Santuario - XML Security for Java
Copyright 1999-2019 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

It was originally based on software copyright (c) 2001, Institute for

The development of this software was partly funded by the European
Commission in the <WebSig> project in the ISIS Programme.

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

  http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

### Apache 2.0 License

Apache License
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions.
to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at
http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

``````Eastman Kodak Company: Portions of color management and imaging software
```

### Eastman Kodak Notice
```
Portions Copyright Eastman Kodak Company 1991-2003
```

### ASM Bytecode Manipulation Framework v5.0.3
```
### ASM License
```

Copyright (c) 2000-2011 France Tlcom
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holders nor the names of its
   contributors may be used to endorse or promote products derived from
   this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
1.591 libidn 2.2.0

1.591.1 Available under license:

Libidn2 COPYING -- Licensing information.

Copyright (C) 2011-2016 Simon Josefsson
See the end for copying conditions.

The source code for the C library (libidn.a or libidn.so) are
licensed under the terms of either the GNU General Public License
version 2.0 or later (see the file COPYINGv2) or the GNU Lesser
General Public License version 3.0 or later (see the file
COPYING.LESSERv3), or both in parallel as here.

The command line tool, self tests, examples, and other auxiliary
files, are licensed under the GNU General Public License version 3.0
or later.

The license of the Unicode character data files (which are parsed into
static storage in the library) are documented in COPYING.unicode.

Other files are licensed as indicated in each file.

There may be exceptions to these general rules, see each file for
precise information.

This file is free software: you can redistribute it and/or modify it
under the terms of the GNU General Public License as published by the
Free Software Foundation, either version 3 of the License, or (at your
option) any later version.

This file is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
General Public License for more details.

You should have received a copy of the GNU General Public License
along with this file. If not, see <http://www.gnu.org/licenses/>.

A. Unicode Copyright.

Copyright 1991-2016 Unicode, Inc. All rights reserved.
Certain documents and files on this website contain a legend indicating that "Modification is permitted." Any
person is hereby authorized, without fee, to modify such documents and files to create derivative works conforming to the Unicode Standard, subject to Terms and Conditions herein.

Any person is hereby authorized, without fee, to view, use, reproduce, and distribute all documents and files solely for informational purposes and in the creation of products supporting the Unicode Standard, subject to the Terms and Conditions herein.

Further specifications of rights and restrictions pertaining to the use of the particular set of data files known as the "Unicode Character Database" can be found in the License.

Each version of the Unicode Standard has further specifications of rights and restrictions of use. For the book editions (Unicode 5.0 and earlier), these are found on the back of the title page. The online code charts carry specific restrictions. All other files, including online documentation of the core specification for Unicode 6.0 and later, are covered under these general Terms of Use.

No license is granted to "mirror" the Unicode website where a fee is charged for access to the "mirror" site.

Modification is not permitted with respect to this document. All copies of this document must be verbatim.

B. Restricted Rights Legend.

Any technical data or software which is licensed to the United States of America, its agencies and/or instrumentalities under this Agreement is commercial technical data or commercial computer software developed exclusively at private expense as defined in FAR 2.101, or DFARS 252.227-7014 (June 1995), as applicable. For technical data, use, duplication, or disclosure by the Government is subject to restrictions as set forth in DFARS 202.227-7015 Technical Data, Commercial and Items (Nov 1995) and this Agreement. For Software, in accordance with FAR 12-212 or DFARS 227-7202, as applicable, use, duplication or disclosure by the Government is subject to the restrictions set forth in this Agreement.

C. Warranties and Disclaimers.

This publication and/or website may include technical or typographical errors or other inaccuracies. Changes are periodically added to the information herein; these changes will be incorporated in new editions of the publication and/or website. Unicode may make improvements and/or changes in the product(s) and/or program(s) described in this publication and/or website at any time.

If this file has been purchased on magnetic or optical media from Unicode, Inc. the sole and exclusive remedy for any claim will be exchange of the defective media within ninety (90) days of original purchase.

EXCEPT AS PROVIDED IN SECTION C.2, THIS PUBLICATION AND/OR SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND EITHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. UNICODE AND ITS LICENSORS ASSUME NO RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THIS PUBLICATION AND/OR SOFTWARE OR OTHER DOCUMENTS WHICH ARE REFERENCED BY OR LINKED TO THIS PUBLICATION OR THE UNICODE WEBSITE.

D. Waiver of Damages.

In no event shall Unicode or its licensors be liable for any special, incidental, indirect or consequential damages of any kind, or any damages whatsoever, whether or not Unicode was advised of the possibility of the damage, including, without limitation, those resulting from the following: loss of use, data or profits, in connection with the use, modification or distribution of this information or its derivatives.

E. Trademarks & Logos.

The Unicode Word Mark and the Unicode Logo are trademarks of Unicode, Inc. The Unicode Consortium and Unicode, Inc. are trade names of Unicode, Inc. Use of the information and materials found on this website indicates your acknowledgement of Unicode, Inc.'s exclusive worldwide rights in the Unicode Word Mark, the Unicode Logo, and the Unicode trade names.
The Unicode Consortium Name and Trademark Usage Policy (Trademark Policy) are incorporated herein by reference and you agree to abide by the provisions of the Trademark Policy, which may be changed from time to time in the sole discretion of Unicode, Inc.

All third party trademarks referenced herein are the property of their respective owners.

F. Miscellaneous.

Jurisdiction and Venue. This server is operated from a location in the State of California, United States of America. Unicode makes no representation that the materials are appropriate for use in other locations. If you access this server from other locations, you are responsible for compliance with local laws. This Agreement, all use of this site and any claims and damages resulting from use of this site are governed solely by the laws of the State of California without regard to any principles which would apply the laws of a different jurisdiction. The user agrees that any disputes regarding this site shall be resolved solely in the courts located in Santa Clara County, California. The user agrees said courts have personal jurisdiction and agree to waive any right to transfer the dispute to any other forum.

Modification by Unicode. Unicode shall have the right to modify this Agreement at any time by posting it to this site. The user may not assign any part of this Agreement without Unicodes prior written consent.

Taxes. The user agrees to pay any taxes arising from access to this website or use of the information herein, except for those based on Unicodes net income.

Severability. If any provision of this Agreement is declared invalid or unenforceable, the remaining provisions of this Agreement shall remain in effect.

Entire Agreement. This Agreement constitutes the entire agreement between the parties.

EXHIBIT 1

Unicode Data Files include all data files under the directories
http://www.unicode.org/Public/, http://www.unicode.org/reports/,
http://www.unicode.org/cldr/data/, http://source.icu-project.org/repos/icu/, and
http://www.unicode.org/utility/trac/browser/.

Unicode Data Files do not include PDF online code charts under the directory http://www.unicode.org/Public/.

Software includes any source code published in the Unicode Standard or under the directories
http://www.unicode.org/Public/, http://www.unicode.org/reports/,
http://www.unicode.org/cldr/data/, http://source.icu-project.org/repos/icu/, and
http://www.unicode.org/utility/trac/browser/.

NOTICE TO USER: Carefully read the following legal agreement.

BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"),
YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT.
IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Open Source Used In CSPC_Collector 2.9.1 6139
Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either (a) this copyright and permission notice appear with all copies of the Data Files or Software, or (b) this copyright and permission notice appear in associated Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.
You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

Open Source Used In CSPC_Collector 2.9.1 6147
As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library.

Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL., with none of the additional permissions of this License applicable to that copy.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the
A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser
General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

1.592 derbylocale-ko-kr 10.14.2.0

1.592.1 Available under license:

===========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the Apache Derby distribution. ==
== DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED ==
== BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE. ==
=============================================================================

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

===========================================================================

Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
"Software Grant and Corporate Contribution License Agreement",
informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code
with which this file is now or was at one time distributed
and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

===========================================================================
The portion of the functionTests under 'nist' was originally
developed by the National Institute of Standards and Technology (NIST),
an agency of the United States Department of Commerce, and adapted by
International Business Machines Corporation in accordance with the NIST
Software Acknowledgment and Redistribution document at
http://www.itl.nist.gov/div897/ctg/sql_form.htm

=========================================================================

The Derby build relies on source files supplied by the Apache Felix
project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
- Apache License 2.0
- BSD License

=========================================================================
The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene  
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects, including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0.  
See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0  
See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin g Package (jaspell): http://jaspell.sourceforge.net/  
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
http://snowball.tartarus.org/

The KStem stemmer in
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic, Persian, Romanian, Bulgarian, and Hindi analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:


The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt.
See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.
WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST), the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and fitness, in no event shall NAIST be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortuous action, arising out of or in connection with the use or performance of this software.

A large portion of the dictionary entries
originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or
grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

=========================================================================

The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/.
The JSON simple jar file is licensed under the Apache 2.0 License.
No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.593 libusb 1.0.22-1.el8

1.593.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those
libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other
program which contains a notice placed by the copyright holder or
other authorized party saying it may be distributed under the terms of
this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data
prepared so as to be conveniently linked with application programs
(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work
which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is
included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for
making modifications to it. For a library, complete source code means
all the source code for all modules it contains, plus any associated
interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based
on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's
complete source code as you receive it, in any medium, provided that
you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the
Library.

You may charge a fee for the physical act of transferring a copy,
and you may at your option offer warranty protection in exchange for a
fee.

2. You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:
a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above,

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
1.594 antlr 2.7.7_5
1.594.1 Available under license:

SOFTWARE RIGHTS

ANTLR 1989-2004 Developed by Terence Parr
Partially supported by University of San Francisco & jGuru.com

We reserve no legal rights to the ANTLR--it is fully in the public domain. An individual or company may do whatever they wish with source code distributed with ANTLR or the code generated by ANTLR, including the incorporation of ANTLR, or its output, into commercial software.

We encourage users to develop software with ANTLR. However, we do ask that credit is given to us for developing ANTLR. By "credit", we mean that if you use ANTLR or incorporate any source code into one of your programs (commercial product, research project, or otherwise) that you acknowledge this fact somewhere in the documentation, research report, etc... If you like ANTLR and have developed a nice tool with the output, please mention that you developed it using ANTLR. In addition, we ask that the headers remain intact in our source code. As long as these guidelines are kept, we expect to continue enhancing this system and expect to make other tools available as they are completed.

The primary ANTLR guy:

Terence Parr
parrt@cs.usfca.edu
parrt@antlr.org

1.595 istack-commons 3.0.5
1.595.1 Available under license:

Found license 'Common Development and Distribution License (CDDL) 1.1' in 'Copyright (c) 1997-2017 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License'
1.596 pam 1.3.1-4.el8

1.596.1 Available under license:

Unless otherwise *explicitly* stated the following text describes the licensed conditions under which the contents of this libpamc release may be distributed:

-------------------------------------------------------------------------
Redistribution and use in source and binary forms of libpamc, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain any existing copyright notice, and this entire permission notice in its entirety, including the disclaimer of warranties.

2. Redistributions in binary form must reproduce all prior and current copyright notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of any author may not be used to endorse or promote products derived from this software without their specific prior written permission.

ALTERNATIVELY, this product may be distributed under the terms of the GNU Library General Public License (LGPL), in which case the provisions of the GNU LGPL are required INSTEAD OF the above restrictions. (This clause is necessary due to a potential conflict between the GNU LGPL and the restrictions contained in a BSD-style copyright.)

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR(S) BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE
USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-------------------------------------------------------------------------

Unless otherwise *explicitly* stated the following text describes the licensed conditions under which the contents of this Linux-PAM release may be distributed:

-------------------------------------------------------------------------

Redistribution and use in source and binary forms of Linux-PAM, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain any existing copyright notice, and this entire permission notice in its entirety, including the disclaimer of warranties.

2. Redistributions in binary form must reproduce all prior and current copyright notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of any author may not be used to endorse or promote products derived from this software without their specific prior written permission.

ALTERNATIVELY, this product may be distributed under the terms of the GNU General Public License, in which case the provisions of the GNU GPL are required INSTEAD OF the above restrictions. (This clause is necessary due to a potential conflict between the GNU GPL and the restrictions contained in a BSD-style copyright.)

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR(S) BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-------------------------------------------------------------------------

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and “any
later version”, you have the option of following the terms and conditions
either of that version or of any later version published by the Free

Open Source Used In CSPC_Collector 2.9.1  6179
Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991
Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software
We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General Public License instead of this License. The licensing conditions for each module in this package are detailed in the module source files.

1.597 python-markupsafe 0.23-19.el8

1.597.1 Available under license :

Copyright (c) 2010 by Armin Ronacher and contributors. See AUTHORS for more details.

Some rights reserved.

Redistribution and use in source and binary forms of the software as well as documentation, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE AND DOCUMENTATION, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.598 libx11 1.6.8 3.el8
1.598.1 Available under license:

The following is the 'standard copyright' agreed upon by most contributors, and is currently the canonical license preferred by the X.Org Foundation. This is a slight variant of the common MIT license form published by the Open Source Initiative at http://www.opensource.org/licenses/mit-license.php

Copyright holders of new code should use this license statement where possible, and insert their name to this list. Please sort by surname for people, and by the full name for other entities (e.g. Juliusz Chroboczek sorts before Intel Corporation sorts before Daniel Stone).

See each individual source file or directory for the license that applies to that file.

Copyright (C) 2003-2006,2008 Jamey Sharp, Josh Triplett
Copyright 2009 Red Hat, Inc.
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

-------------------------------------------------------------------------------------------------------------------

The following licenses are 'legacy' - usually MIT/X11 licenses with the name of the copyright holder(s) in the license statement:

Copyright 1984-1994, 1998 The Open Group

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that
copyright notice and this permission notice appear in supporting
documentation.

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN
AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of The Open Group shall not be
used in advertising or otherwise to promote the sale, use or other dealings
in this Software without prior written authorization from The Open Group.

X Window System is a trademark of The Open Group.

----------------------------------------
Copyright 2000 The XFree86 Project, Inc.

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR
OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE,
ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR
OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall
not be used in advertising or otherwise to promote the sale, use or
other dealings in this Software without prior written authorization
from the X Consortium.
trademark of Tektronix, Inc. The term "TekHVC" designates a particular color space that is the subject of U.S. Patent No. 4,985,853 (equivalent foreign patents pending). Permission is hereby granted to use, copy, modify, sell, and otherwise distribute this software and its documentation for any purpose and without fee, provided that:

1. This copyright, permission, and disclaimer notice is reproduced in all copies of this software and any modification thereof and in supporting documentation;
2. Any color-handling application which displays TekHVC color coordinates identifies these as TekHVC color coordinates in any interface that displays these coordinates and in any associated documentation;
3. The term "TekHVC" is always used, and is only used, in association with the mathematical derivations of the TekHVC Color Space, including those provided in this file and any equivalent pathways and mathematical derivations, regardless of digital (e.g., floating point or integer) representation.

Tektronix makes no representation about the suitability of this software for any purpose. It is provided "as is" and with all faults.

TEKTRONIX DISCLAIMS ALL WARRANTIES APPLICABLE TO THIS SOFTWARE, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL TEKTRONIX BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA, OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE, OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR THE PERFORMANCE OF THIS SOFTWARE.

(c) Copyright 1995 FUJITSU LIMITED
This is source code modified by FUJITSU LIMITED under the Joint Development Agreement for the CDE/Motif PST.

Copyright 1992 by Oki Technosystems Laboratory, Inc.
Copyright 1992 by Fuji Xerox Co., Ltd.

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Oki Technosystems Laboratory and Fuji Xerox not be used in advertising or publicity pertaining to distribution of the software without specific, written
prior permission.
Oki Technosystems Laboratory and Fuji Xerox make no representations
about the suitability of this software for any purpose. It is provided
"as is" without express or implied warranty.

OKI TECHNOSYSTEMS LABORATORY AND FUJI XEROX DISCLAIM ALL WARRANTIES
WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OKI TECHNOSYSTEMS
LABORATORY AND FUJI XEROX BE LIABLE FOR ANY SPECIAL, INDIRECT OR
CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS
OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE
OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE
OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------

Permission to use, copy, modify, distribute, and sell this software
and its documentation for any purpose is hereby granted without fee,
provided that the above copyright notice appear in all copies and
that both that copyright notice and this permission notice appear
in supporting documentation, and that the name of FUJITSU LIMITED
not be used in advertising or publicity pertaining to distribution
of the software without specific, written prior permission.
FUJITSU LIMITED makes no representations about the suitability of
this software for any purpose.
It is provided "as is" without express or implied warranty.

FUJITSU LIMITED DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,
INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO
EVENT SHALL FUJITSU LIMITED BE LIABLE FOR ANY SPECIAL, INDIRECT OR
CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF
USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR
OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THIS SOFTWARE.

----------------------------------------
Copyright (c) 1995 David E. Wexelblat. All rights reserved

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL DAVID E. WEXELBLAT BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of David E. Wexelblat shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from David E. Wexelblat.

----------------------------------------
Copyright 1990, 1991 by OMRON Corporation

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name OMRON not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. OMRON makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

OMRON DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OMRON BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTUOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------

Portions Copyright 1990, 1991 by Tektronix, Inc

Rewritten for X.org by Chris Lee <clee@freedesktop.org>
Permission to use, copy, modify, distribute, and sell this documentation for any purpose and without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. Chris Lee makes no representations about the suitability for any purpose of the information in this document. It is provided "as-is" without express or implied warranty.

----------------------------------------
Copyright 1993 by Digital Equipment Corporation, Maynard, Massachusetts,
Copyright 1994 by FUJITSU LIMITED
Copyright 1994 by Sony Corporation

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the names of Digital, FUJITSU LIMITED and Sony Corporation not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

DIGITAL, FUJITSU LIMITED AND SONY CORPORATION DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL DIGITAL, FUJITSU LIMITED AND SONY CORPORATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------
Copyright 1991 by the Open Software Foundation

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Open Software Foundation not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Open Software Foundation makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or
implied warranty.

OPEN SOFTWARE FOUNDATION DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OPEN SOFTWARE FOUNDATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------
Copyright 1993, 1994 by Sony Corporation

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of FUJITSU LIMITED and Sony Corporation not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. FUJITSU LIMITED and Sony Corporation makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

FUJITSU LIMITED AND SONY CORPORATION DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL FUJITSU LIMITED OR SONY CORPORATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------
Copyright (c) 1993, 1995 by Silicon Graphics Computer Systems, Inc.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Silicon Graphics not be used in advertising or publicity pertaining to distribution of the software without specific prior written permission. Silicon Graphics makes no representation about the suitability of this software for any purpose. It is provided "as is"
without any express or implied warranty.

SILICON GRAPHICS DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SILICON GRAPHICS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------

Copyright 1993 by Digital Equipment Corporation

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of FUJITSU LIMITED and Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. FUJITSU LIMITED and Digital Equipment Corporation makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

FUJITSU LIMITED AND DIGITAL EQUIPMENT CORPORATION DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL FUJITSU LIMITED AND DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------

Copyright 1992, 1993 by FUJITSU LIMITED
Copyright 1993 by Fujitsu Open Systems Solutions, Inc.
Copyright 1994 by Sony Corporation

Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear
in supporting documentation, and that the name of FUJITSU LIMITED, Fujitsu Open Systems Solutions, Inc. and Sony Corporation not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. FUJITSU LIMITED, Fujitsu Open Systems Solutions, Inc. and Sony Corporation make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

FUJITSU LIMITED, FUJITSU OPEN SYSTEMS SOLUTIONS, INC. AND SONY CORPORATION DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL FUJITSU OPEN SYSTEMS SOLUTIONS, INC., FUJITSU LIMITED AND SONY CORPORATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------
Copyright 1987, 1988, 1990, 1993 by Digital Equipment Corporation, Maynard, Massachusetts,

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Digital not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

DIGITAL DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL DIGITAL BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------
Copyright 1993 by SunSoft, Inc.
Copyright 1999-2000 by Bruno Haible

Permission to use, copy, modify, distribute, and sell this software
and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the names of SunSoft, Inc. and Bruno Haible not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. SunSoft, Inc. and Bruno Haible make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

SunSoft Inc. AND Bruno Haible DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL SunSoft, Inc. OR Bruno Haible BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------
Copyright 1991 by the Open Software Foundation
Copyright 1993 by the TOSHIBA Corp.

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the names of Open Software Foundation and TOSHIBA not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Open Software Foundation and TOSHIBA make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

OPEN SOFTWARE FOUNDATION AND TOSHIBA DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OPEN SOFTWARE FOUNDATION OR TOSHIBA BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------
Copyright 1988 by Wyse Technology, Inc., San Jose, Ca.,

All Rights Reserved
Permission to use, copy, modify, and distribute this software and its
documentation for any purpose and without fee is hereby granted,
provided that the above copyright notice appear in all copies and that
both that copyright notice and this permission notice appear in
supporting documentation, and that the name Wyse not be
used in advertising or publicity pertaining to distribution of the
software without specific, written prior permission.

WYSE DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING
ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL
DIGITAL BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR
ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS,
WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION,
ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS
SOFTWARE.

----------------------------------------
Copyright 1991 by the Open Software Foundation
Copyright 1993, 1994 by the Sony Corporation

Permission to use, copy, modify, distribute, and sell this software and its
documentation for any purpose is hereby granted without fee, provided that
the above copyright notice appear in all copies and that both that
copyright notice and this permission notice appear in supporting
documentation, and that the names of Open Software Foundation and
Sony Corporation not be used in advertising or publicity pertaining to
distribution of the software without specific, written prior permission.
Open Software Foundation and Sony Corporation make no
representations about the suitability of this software for any purpose.
It is provided "as is" without express or implied warranty.

OPEN SOFTWARE FOUNDATION AND SONY CORPORATION DISCLAIM ALL
WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OPEN
SOFTWARE FOUNDATION OR SONY CORPORATION BE LIABLE FOR ANY SPECIAL,
INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM
LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE
OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THIS SOFTWARE.

----------------------------------------
Copyright 1992, 1993 by FUJITSU LIMITED
Copyright 1993 by Fujitsu Open Systems Solutions, Inc.

Permission to use, copy, modify, distribute and sell this software
and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of FUJITSU LIMITED and Fujitsu Open Systems Solutions, Inc. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

FUJITSU LIMITED and Fujitsu Open Systems Solutions, Inc. makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

FUJITSU LIMITED AND FUJITSU OPEN SYSTEMS SOLUTIONS, INC. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL FUJITSU OPEN SYSTEMS SOLUTIONS, INC. AND FUJITSU LIMITED BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------

Copyright 1993, 1994 by Sony Corporation

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Sony Corporation not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

Sony Corporation makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

SONY CORPORATION DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL SONY CORPORATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------

Copyright 1986, 1998  The Open Group
Copyright (c) 2000  The XFree86 Project, Inc.
Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation.

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM OR THE XFREE86 PROJECT BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium or of the XFree86 Project shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium and the XFree86 Project.

----------------------------------------
Copyright 1990, 1991 by OMRON Corporation, NTT Software Corporation, and Nippon Telegraph and Telephone Corporation
Copyright 1991 by the Open Software Foundation
Copyright 1993 by the FUJITSU LIMITED

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the names of OMRON, NTT Software, NTT, and Open Software Foundation not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. OMRON, NTT Software, NTT, and Open Software Foundation make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

OMRON, NTT SOFTWARE, NTT, AND OPEN SOFTWARE FOUNDATION DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OMRON, NTT SOFTWARE, NTT, OR OPEN SOFTWARE FOUNDATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF
Permission to use, copy, modify, and distribute this software and its
documentation for any purpose and without fee is hereby granted,
provided that the above copyright notice appear in all copies and that
both that copyright notice and this permission notice appear in
supporting documentation, and that the name Digital not be
used in advertising or publicity pertaining to distribution of the
software without specific, written prior permission.

DIGITAL AND WYSE DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,
INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO
EVENT SHALL DIGITAL OR WYSE BE LIABLE FOR ANY SPECIAL, INDIRECT OR
CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF
USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR
OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THIS SOFTWARE.

Permission to use, copy, modify, distribute, and sell this software
and its documentation for any purpose is hereby granted without fee,
provided that the above copyright notice appear in all copies and
that both that copyright notice and this permission notice appear
in supporting documentation, and that the name of Fuji Xerox,
FUJITSU LIMITED not be used in advertising or publicity pertaining
to distribution of the software without specific, written prior
permission. Fuji Xerox, FUJITSU LIMITED make no representations
about the suitability of this software for any purpose.
It is provided "as is" without express or implied warranty.

FUJI XEROX, FUJITSU LIMITED DISCLAIM ALL WARRANTIES WITH
REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL FUJI XEROX,
FUJITSU LIMITED BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL
DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA
OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------

Copyright 2006 Josh Triplett

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----------------------------------------

(c) Copyright 1996 by Sebastien Marineau and Holger Veit
<marineau@genie.uottawa.ca>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL H O L G E R V E I T BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
SOFTWARE.

Except as contained in this notice, the name of Sebastien Marineau or Holger Veit shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from Holger Veit or Sebastien Marineau.

----------------------------------------

Copyright 1990, 1991 by OMRON Corporation, NTT Software Corporation, and Nippon Telegraph and Telephone Corporation
Copyright 1991 by the Open Software Foundation
Copyright 1993 by the TOSHIBA Corp.
Copyright 1993, 1994 by Sony Corporation
Copyright 1993, 1994 by the FUJITSU LIMITED

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the names of OMRON, NTT Software, NTT, Open Software Foundation, and Sony Corporation not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. OMRON, NTT Software, NTT, Open Software Foundation, and Sony Corporation make no representations about the suitability of this software for any purpose. It is provided “as is” without express or implied warranty.

OMRON, NTT SOFTWARE, NTT, OPEN SOFTWARE FOUNDATION, AND SONY CORPORATION DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OMRON, NTT SOFTWARE, NTT, OPEN SOFTWARE FOUNDATION, OR SONY CORPORATION BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------

Copyright 2000 by Bruno Haible

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Bruno Haible not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Bruno Haible
makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

Bruno Haible DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL Bruno Haible BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------

Copyright  2003 Keith Packard

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Keith Packard not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Keith Packard makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

KEITH PACKARD DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL KEITH PACKARD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------

Copyright (c) 2007-2009, Troy D. Hanson
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

----------------------------------------
Copyright 1992, 1993 by TOSHIBA Corp.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of TOSHIBA not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. TOSHIBA make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

TOSHIBA DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL TOSHIBA BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------
Copyright IBM Corporation 1993

All Rights Reserved

License to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of IBM not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

IBM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS, AND
NONINFRINGEMENT OF THIRD PARTY RIGHTS, IN NO EVENT SHALL IBM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------

Copyright 1990, 1991 by OMRON Corporation, NTT Software Corporation, and Nippon Telegraph and Telephone Corporation

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the names of OMRON, NTT Software, and NTT not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. OMRON, NTT Software, and NTT make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

OMRON, NTT SOFTWARE, AND NTT, DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL OMRON, NTT SOFTWARE, OR NTT, BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

This notice applies to the files in this directory. They are taken from the libiconv-1.1 package, which is covered by the LGPL license. The files in this directory have been placed under the following copyright, with permission from the Free Software Foundation.

Copyright (c) 1999-2000 Free Software Foundation, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE FREE SOFTWARE FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the Free Software Foundation shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the Free Software Foundation.

Notes:

1. This copyright applies only to the files in this directory, and not to the remaining files in libiconv.

2. The Free Software Foundation does not encourage the use of the above license for newly written software.

**1.599 csh 6.20.00-9.el8**

1.599.1 Available under license:

```plaintext
/*-
 * Copyright (c) 1980, 1991 The Regents of the University of California.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
 * documentation and/or other materials provided with the distribution.
 * 3. Neither the name of the University nor the names of its contributors
 * may be used to endorse or promote products derived from this software
 * without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 */
```
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/
/*
 config.h -- configure various defines for tcsh
 *
 All source files should #include this FIRST.
 *
 Edit this to match your system type.
 */

#ifndef _h_config
#define _h_config
/******************** System dependant compilation flags ****************/
/*
 * POSIX	This system supports IEEE Std 1003.1-1988 (POSIX).
 */
#undef POSIX
/*
 * POSIXJOBS	This system supports the optional IEEE Std 1003.1-1988 (POSIX)
 * job control facilities.
 */
#undef POSIXJOBS
/*
 *VFORK	This machine has a vfork().
 *It used to be that for job control to work, this define
 *was mandatory. This is not the case any more.
 *If you think you still need it, but you don't have vfork,
 *define this anyway and then do #define vfork fork.
 *I do this anyway on a Sun because of yellow pages brain damage,
 *[should not be needed under 4.1]
 *and on the iris4d causeSGI's fork is sufficiently "virtual"
 *that vfork isn't necessary. (Besides, SGI's vfork is weird).
 *Note that some machines eg. rs6000 have a vfork, but not
 *with the berkeley semantics, so we cannot use it there either.
 */
#defineVFORK
/*
 *BSDJOBSYou have BSD-style job control (both process groups and
 *a tty that deals correctly
 */
#define BSDJOBS

Open Source Used In CSPC_Collector 2.9.1 6211
/*
 * BSDTIMES You have BSD-style process time stuff (like rusage)
 * This may or may not be true. For example, Apple Unix
 * (OREO) has BSDJOBS but not BSDTIMES.
 */
define BSDTIMES

/*
 * BSDLIMIT You have BSD-style resource limit stuff (getrlimit/setrlimit)
 */
define BSDLIMIT

/*
 * TERMIO You have struct termio instead of struct sgttyb.
 * This is usually the case for SYSV systems, where
 * BSD uses sgttyb. POSIX systems should define this
 * anyway, even though they use struct termios.
 */
#undef TERMIO

/*
 * SYSVREL Your machine is SYSV based (HPUX, A/UX)
 * NOTE: don't do this if you are on a Pyramid -- tcsh is
 * built in a BSD universe.
 * Set SYSVREL to 1, 2, 3, or 4, depending the version of System V
 * you are running. Or set it to 0 if you are not SYSV based
 */
define SYSVREL0

/*
 * YPBUGS Work around Sun YP bugs that cause expansion of ~username
 * to send command output to /dev/null
 */
#undef YPBUGS

/******************** local defines **********************/

#endif /* _h_config */

1.600 polkit-pkla-compat 0.1 12.el8
1.600.1 Available under license:
 GNU LIBRARY GENERAL PUBLIC LICENSE
 Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone’s free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don’t assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.
GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.
3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307 USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

Apache License
Version 2.0, January 2004
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.601 open-iscsi 6.2.0.877-1.gitf71581b.el8

1.601.1 Available under license:

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License.
along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.602 activemq-openwire-legacy 5.15.14
1.602.1 Available under license :

ActiveMQ :: Openwire Legacy Support
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
   that You distribute, all copyright, patent, trademark, and
   attribution notices from the Source form of the Work,
   excluding those notices that do not pertain to any part of
   the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.603 lvm2 2.03.05 5.el8.0.1

1.603.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original
author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that
you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it...
contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application
b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software
Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample: alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

BSD 2-Clause License

Copyright (c) 2014, Red Hat, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify

Open Source Used In CSPC_Collector 2.9.1 6255
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.
1.604 jetty-setuid-java 1.0.3

1.605 bash 4.4.19

1.605.1 Available under license:

GNU Free Documentation License
Version 1.3, 3 November 2008


Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document "free" in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that
work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain
ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and
you may publicly display copies.

3. COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution
and modification of the Modified Version to whoever possesses a copy
of it. In addition, you must do these things in the Modified Version:

A. Use in the Title Page (and on the covers, if any) a title distinct
from that of the Document, and from those of previous versions
(which should, if there were any, be listed in the History section
of the Document). You may use the same title as a previous version
if the original publisher of that version gives permission.

B. List on the Title Page, as authors, one or more persons or entities
responsible for authorship of the modifications in the Modified
Version, together with at least five of the principal authors of the
Document (all of its principal authors, if it has fewer than five),
unless they release you from this requirement.

C. State on the Title page the name of the publisher of the
Modified Version, as the publisher.

D. Preserve all the copyright notices of the Document.

E. Add an appropriate copyright notice for your modifications
adjacent to the other copyright notices.

F. Include, immediately after the copyright notices, a license notice
giving the public permission to use the Modified Version under the
terms of this License, in the form shown in the Addendum below.

G. Preserve in that license notice the full lists of Invariant Sections
and required Cover Texts given in the Document's license notice.

H. Include an unaltered copy of this License.

I. Preserve the section Entitled "History", Preserve its Title, and add
to it an item stating at least the title, year, new authors, and
publisher of the Modified Version as given on the Title Page. If
there is no section Entitled "History" in the Document, create one
stating the title, year, authors, and publisher of the Document as
given on its Title Page, then add an item describing the Modified
Version as stated in the previous sentence.

J. Preserve the network location, if any, given in the Document for
public access to a Transparent copy of the Document, and likewise
the network locations given in the Document for previous versions
it was based on. These may be placed in the "History" section.
You may omit a network location for a work that was published at
least four years before the Document itself, or if the original
publisher of the version it refers to gives permission.

K. For any section Entitled "Acknowledgements" or "Dedications",
Preserve the Title of the section, and preserve in the section all
the substance and tone of each of the contributor acknowledgements
and/or dedications given therein.

L. Preserve all the Invariant Sections of the Document,
unaltered in their text and in their titles. Section numbers
or the equivalent are not considered part of the section titles.

M. Delete any section Entitled "Endorsements". Such a section
may not be included in the Modified Version.

N. Do not retitle any existing section to be Entitled "Endorsements"
or to conflict in title with any Invariant Section.
O. Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version’s license notice. These titles must be distinct from any other section titles.

You may add a section Entitled “Endorsements”, provided it contains nothing but endorsements of your Modified Version by various parties--for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.
In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements".

6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4.
Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the
GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See http://www.gnu.org/copyleft/.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

11. RELICENSING

"Massive Multiauthor Collaboration Site" (or "MMC Site") means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A "Massive Multiauthor Collaboration" (or "MMC") contained in the site means any set of copyrightable works thus published on the MMC site.

"CC-BY-SA" means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a non-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

"Incorporate" means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is "eligible for relicensing" if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

ADDENDUM: How to use this License for your documents
To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (c) YEAR YOUR NAME.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled “GNU Free Documentation License”.

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the “with...Texts.” line with this:

with the Invariant Sections being LIST THEIR TITLES, with the Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

    GNU GENERAL PUBLIC LICENSE
    Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers’ and authors’ protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.
The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.
You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a
written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial
If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part of
it. (Additional permissions may be written to require their own
removal in certain cases when you modify the work.) You may place
additional permissions on material, added by you to a covered work,
for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you
add to a covered work, you may (if authorized by the copyright holders of
that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the
terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or
author attributions in that material or in the Appropriate Legal
Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or
requiring that modified versions of such material be marked in
reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or
authors of the material; or

e) Declining to grant rights under trademark law for use of some
trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that
material by anyone who conveys the material (or modified versions of
it) with contractual assumptions of liability to the recipient, for
any liability that these contractual assumptions directly impose on
those licensors and authors.

All other non-permissive additional terms are considered “further
restrictions” within the meaning of section 10. If the Program as you
received it, or any part of it, contains a notice stating that it is
governed by this License along with a term that is a further
restriction, you may remove that term. If a license document contains
a further restriction but permits relicensing or conveying under this
License, you may add to a covered work material governed by the terms
of that license document, provided that the further restriction does
not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you
must place, in the relevant source files, a statement of the
additional terms that apply to those files, or a notice indicating
where to find the applicable terms.
Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible
for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.
If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may
not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty: and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read
@c The GNU Free Documentation License.
@c Version 1.3, 3 November 2008
@c This file is intended to be included within another document,
c hence no sectioning command or @node.

@display
@uref{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
@end display

@enumerate
@item
The purpose of this License is to make a manual, textbook, or other functional and useful document in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal,
commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain @sc{ascii} without markup, Texinfo input format, La@TeX{} input format, @acronym{SGML} or @acronym{XML} using a publicly available @acronym{DTD}, and standard-conforming simple @acronym{HTML}, PostScript or @acronym{PDF} designed for human modification. Examples of transparent image formats include @acronym{PNG}, @acronym{XCF} and @acronym{JPG}. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, @acronym{SGML} or @acronym{XML} for which the @acronym{DTD} and/or processing tools are not generally available, and the machine-generated @acronym{HTML}, PostScript or @acronym{PDF} produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work’s title, preceding the beginning of the body of the text.
The ``publisher'' means any person or entity that distributes copies of the Document to the public.

A section ``Entitled XYZ'' means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as ``Acknowledgements'', ``Dedications'', ``Endorsements'', or ``History''.) To ``Preserve the Title'' of such a section when you modify the Document means that it remains a section ``Entitled XYZ'' according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item
VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item
COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve
the title of the Document and satisfy these conditions, can be treated
as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit
legibly, you should put the first ones listed (as many as fit
reasonably) on the actual cover, and continue the rest onto adjacent
pages.

If you publish or distribute Opaque copies of the Document numbering
more than 100, you must either include a machine-readable Transparent
copy along with each Opaque copy, or state in or with each Opaque copy
a computer-network location from which the general network-using
public has access to download using public-standard network protocols
a complete Transparent copy of the Document, free of added material.
If you use the latter option, you must take reasonably prudent steps,
when you begin distribution of Opaque copies in quantity, to ensure
that this Transparent copy will remain thus accessible at the stated
location until at least one year after the last time you distribute an
Opaque copy (directly or through your agents or retailers) of that
title of the Document and satisfy these conditions, can be treated
edition to the public.

It is requested, but not required, that you contact the authors of the
Document well before redistributing any large number of copies, to give
them a chance to provide you with an updated version of the Document.

@item

MODIFICATIONS

You may copy and distribute a Modified Version of the Document under
the conditions of sections 2 and 3 above, provided that you release
the Modified Version under precisely this License, with the Modified
Version filling the role of the Document, thus licensing distribution
and modification of the Modified Version to whoever possesses a copy
of it. In addition, you must do these things in the Modified Version:

@enumerate
@item
Use in the Title Page (and on the covers, if any) a title distinct
from that of the Document, and from those of previous versions
(which should, if there were any, be listed in the History section
of the Document). You may use the same title as a previous version
if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities
responsible for authorship of the modifications in the Modified
Version, together with at least five of the principal authors of the
Document (all of its principal authors, if it has fewer than five),
unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled ``History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled ``History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled ``Acknowledgements” or ``Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

COMBINING DOCUMENTS
You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.
If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document’s Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that
copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RELICENSING

``Massive Multi-author Collaboration Site'' (or ``MMC Site'') means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A "Massive Multi-author Collaboration'' (or ``MMC'') contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA'' means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.
``Incorporate'' means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is ``eligible for relicensing'' if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page
@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled ``GNU Free Documentation License''.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ``with@dots{}Texts.'' line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.
If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
Free Software Foundation, Inc.

See the file COPYING in the bash distribution root directory for copying and usage restrictions.

The file ifs-posix.tests is Copyright (C) 2005 Glen Fowler.

1.606 automake 1.16.1-6.el8
1.606.1 Available under license :
   GNU GENERAL PUBLIC LICENSE
   Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

**GNU GENERAL PUBLIC LICENSE**

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.
TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official
standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified
it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the
product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work,
for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.
8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an
organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means,
then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.
13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.
You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.607 usermode 1.113 1.el8

1.607.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.608 tdom 0.8.2-3.el5
1.608.1 Available under license :

Found license 'General Public License 2.0' in 'The pari-galdata package provides the Galois resolvents for the
polgalois function, for degrees 8 through 11.'
<name>Fedora EPEL 5</name><package arch="src" epoch="0" name="jeta" release="5.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/SRPMS/jeta-1.0-5.el5.src.rpm" version="1.0"><filename>jeta-1.0-5.el5.src.rpm</filename></package><package arch="noarch" epoch="0" name="jeta" release="5.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/i386/jeta-1.0-5.el5.noarch.rpm" version="1.0"><filename>jeta-1.0-5.el5.noarch.rpm</filename></package><package arch="src" epoch="0" name="kronolith" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/SRPMS/kronolith-2.3.5-1.el5.src.rpm" version="2.3.5"><filename>kronolith-2.3.5-1.el5.src.rpm</filename></package><package arch="noarch" epoch="0" name="kronolith" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/i386/kronolith-2.3.5-1.el5.noarch.rpm" version="2.3.5"><filename>kronolith-2.3.5-1.el5.noarch.rpm</filename></package><package arch="src" epoch="0" name="ingo" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/SRPMS/ingo-1.2.5-1.el5.src.rpm" version="1.2.5"><filename>ingo-1.2.5-1.el5.src.rpm</filename></package><package arch="noarch" epoch="0" name="ingo" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/i386/ingo-1.2.5-1.el5.noarch.rpm" version="1.2.5"><filename>ingo-1.2.5-1.el5.noarch.rpm</filename></package></collection></pkglist></update><update from="updates@fedoraproject.org" status="stable" type="newpackage" version="1.4"><id>FEDORA-EPEL-2010-2446</id><title>xemacs-packages-extra-20090217-7.el5,xemacs-packages-base-20090217-4.el5,xemacs-21.5.29-12.el5.1</title><release>Fedora EPEL 5</release><issued date="2010-03-18 21:51:34"/><references/><description>XEmacs is a highly customizable open source text editor and application development system. It is protected under the GNU General Public License and related to other versions of Emacs, in particular GNU Emacs. Its emphasis is on modern graphical user interface support and an open software development model, similar to Linux. </description><pkglist><collection short="EL-5"><name>Fedora EPEL 5</name><package arch="src" epoch="0" name="jilter" release="2.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/SRPMS/jilter-1.2-2.el5.src.rpm" version="1.2"><filename>jilter-1.2-2.el5.src.rpm</filename></package><package arch="noarch" epoch="0" name="jilter" release="2.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/i386/jilter-1.2-2.el5.noarch.rpm" version="1.2"><filename>jilter-1.2-2.el5.noarch.rpm</filename></package><package arch="noarch" epoch="0" name="jilter-javadoc" release="2.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/i386/jilter-javadoc-1.2-2.el5.noarch.rpm" version="1.2"><filename>jilter-javadoc-1.2-2.el5.noarch.rpm</filename></package></collection></pkglist></update><update from="updates@fedoraproject.org" status="stable" type="newpackage" version="1.4"><id>FEDORA-EPEL-2010-3635</id><title>trafshow-5.2.3-6.el5</title><release>Fedora EPEL 5</release><issued date="2010-11-06 18:14:51"/><reboot_suggested/><references><reference href="https://bugzilla.redhat.com/show_bug.cgi?id=510651" id="510651" title="Review Request: trafshow - A tool for real-time network traffic visualization" type="bugzilla"/></references><description/></description><pkglist><collection short="EL-5"><name>Fedora EPEL 5</name><package arch="src" epoch="0" name="trafshow" release="6.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/SRPMS/trafshow-5.2.3-6.el5.src.rpm" version="5.2.3"><filename>trafshow-5.2.3-6.el5.src.rpm</filename></package><package arch="ppc" epoch="0" name="trafshow" release="6.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/ppc/trafshow-5.2.3-6.el5.ppc.rpm" version="5.2.3"><filename>trafshow-5.2.3-6.el5.ppc.rpm</filename></package><package arch="ppc" epoch="0" name="trafshow-debuginfo" release="6.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/ppc/trafshow-debuginfo-5.2.3-6.el5.ppc.rpm" version="5.2.3"><filename>trafshow-debuginfo-5.2.3-6.el5.ppc.rpm</filename></package><package arch="x86_64" epoch="0" name="trafshow-debuginfo" release="6.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/x86_64/trafshow-debuginfo-5.2.3-
6.el5.x86_64.rpm" version="5.2.3"><filename>trafshow-debuginfo-5.2.3-6.el5.x86_64.rpm</filename><package arch="x86_64" epoch="0" name="trafshow" release="6.el5" src="http://download.fedoraproject.org/pub/fedora/linux/releases/6/x86_64/trafshow-5.2.3-6.el5.x86_64.rpm" version="5.2.3"></package><filename>trafshow-5.2.3-6.el5.x86_64.rpm</filename></package><package arch="i386" epoch="0" name="trafshow-debuginfo" release="6.el5" src="http://download.fedoraproject.org/pub/fedora/linux/releases/6/i386/trafshow-debuginfo-5.2.3-6.el5.i386.rpm" version="5.2.3"></package><filename>trafshow-5.2.3-6.el5.i386.rpm</filename></package></collection></pkglist></update><update from="updates@fedoraproject.org" status="stable" type="newpackage" version="1.4"><id>FEDORA-EPEL-2010-3634</id><title>tolua++-1.0.93-1.el5</title><release>Fedora EPEL 5</release><issued date="2010-11-06 18:14:49"/><reboot_suggested/><references/><description>Package imported from Fedora</description><pkglist><collection short="EL-5"><name>Fedora EPEL 5</name><package arch="src" epoch="0" name="tolua++" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/releases/5/SRPMS/tolua++-1.0.93-1.el5.src.rpm" version="1.0.93"></package><filename>tolua++-1.0.93-1.el5.src.rpm</filename></package><package arch="ppc" epoch="0" name="tolua++" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/releases/5/ppc/tolua++-1.0.93-1.el5.ppc.rpm" version="1.0.93"></package><filename>tolua++-1.0.93-1.el5.ppc.rpm</filename></package><package arch="ppc" epoch="0" name="tolua++-devel" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/releases/5/ppc/tolua++-devel-1.0.93-1.el5.ppc.rpm" version="1.0.93"></package><filename>tolua++-devel-1.0.93-1.el5.ppc.rpm</filename></package><package arch="x86_64" epoch="0" name="tolua++" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/releases/5/x86_64/tolua++-1.0.93-1.el5.x86_64.rpm" version="1.0.93"></package><filename>tolua++-1.0.93-1.el5.x86_64.rpm</filename></package><package arch="x86_64" epoch="0" name="tolua++-devel" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/releases/5/x86_64/tolua++-devel-1.0.93-1.el5.x86_64.rpm" version="1.0.93"></package><filename>tolua++-devel-1.0.93-1.el5.x86_64.rpm</filename></package><package arch="i386" epoch="0" name="tolua++" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/releases/5/i386/tolua++-1.0.93-1.el5.i386.rpm" version="1.0.93"></package><filename>tolua++-1.0.93-1.el5.i386.rpm</filename></package><package arch="i386" epoch="0" name="tolua++-devel" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/releases/5/i386/tolua++-devel-1.0.93-1.el5.i386.rpm" version="1.0.93"></package><filename>tolua++-devel-1.0.93-1.el5.i386.rpm</filename></package><package arch="i386" epoch="0" name="tolua++-debuginfo" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/releases/5/i386/tolua++-debuginfo-1.0.93-1.el5.i386.rpm" version="1.0.93"></package><filename>tolua++-debuginfo-1.0.93-1.el5.i386.rpm</filename></package></collection></pkglist></update><update from="updates@fedoraproject.org" status="stable" type="newpackage" version="1.4"><id>FEDORA-EPEL-2009-0109</id><title>perl-XML-Stream-1.22-10.el5</title><release>Fedora EPEL 5</release><issued date="2009-07-21 20:36:53"/><reboot_suggested/><references/><description>Initial release for EL-5
branch.<description><pkglst><collection short="EL-5"><name>Fedora EPEL 5</name><package arch="src" epoch="0" name="perl-XML-Stream" release="10.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/SRPMs/perl-XML-Stream-1.22-10.el5.src.rpm" version="1.22"></filename><perl-XML-Stream-1.22-10.el5.src.rpm></file></package><package arch="noarch" epoch="0" name="perl-XML-Stream" release="10.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/i386/perl-XML-Stream-1.22-10.el5.noarch.rpm" version="1.22"></filename><perl-XML-Stream-1.22-10.el5.noarch.rpm></package></collection></pkglst></description><update from="updates@fedoraproject.org" status="stable" type="security" version="1.4"><id>FEDORA-EPEL-2010-3320</id><title>php-nusoap-0.9.5-1.el5</title><release>Fedora EPEL 5</release><issued date="2010-09-03 21:23:25"/><reboot_suggested/><references><reference href="https://bugzilla.redhat.com/show_bug.cgi?id=629585" id="629585" title="CVE-2010-3070 php-nusoap: XSS vulnerability due improper escaping of URLs" type="bugzilla"/><references><description>fixes XSS vulnerability</description><pkglst><collection short="EL-5"><name>Fedora EPEL 5</name><package arch="src" epoch="0" name="php-nusoap" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/SRPMs/php-nusoap-0.9.5-1.el5.src.rpm" version="0.9.5"></filename><php-nusoap-0.9.5-1.el5.src.rpm></package><package arch="noarch" epoch="0" name="php-nusoap" release="1.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/i386/php-nusoap-0.9.5-1.el5.noarch.rpm" version="0.9.5"></filename><php-nusoap-0.9.5-1.el5.noarch.rpm></package></collection></pkglst></update><update from="updates@fedoraproject.org" status="stable" type="newpackage" version="1.4"><id>FEDORA-EPEL-2010-3327</id><title>mytop-1.7-4.b737f60.el5</title><release>Fedora EPEL 5</release><issued date="2010-09-06 18:04:01"/><reboot_suggested/><references><reference href="https://bugzilla.redhat.com/show_bug.cgi?id=426990" id="426990" title="Review Request: mytop - A top clone for MySQL" type="bugzilla"/><references><description>Initial EPEL branch</description><pkglst><collection short="EL-5"><name>Fedora EPEL 5</name><package arch="src" epoch="0" name="mytop" release="4.b737f60.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/SRPMs/mytop-1.7-4.b737f60.el5.src.rpm" version="1.7"></filename><mytop-1.7-4.b737f60.el5.src.rpm></package><package arch="noarch" epoch="0" name="mytop" release="4.b737f60.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/i386/mytop-1.7-4.b737f60.el5.noarch.rpm" version="1.7"></filename><mytop-1.7-4.b737f60.el5.noarch.rpm></package></collection></pkglst></update><update from="updates@fedoraproject.org" status="stable" type="newpackage" version="1.4"><id>FEDORA-EPEL-2010-3326</id><title>php-channel-htmlpurifier-1.0-2.el5</title><release>Fedora EPEL 5</release><issued date="2010-09-06 18:03:58"/><reboot_suggested/><references><reference href="https://bugzilla.redhat.com/show_bug.cgi?id=576032" id="576032" title="Review Request: php-channel-htmlpurifier - Adds htmlpurifier project channel to PEAR" type="bugzilla"/><references><description><pkglst><collection short="EL-5"><name>Fedora EPEL 5</name><package arch="src" epoch="0" name="php-channel-htmlpurifier" release="2.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/SRPMs/php-channel-htmlpurifier-1.0-2.el5.src.rpm" version="1.0"></filename><php-channel-htmlpurifier-1.0-2.el5.src.rpm></package><package arch="noarch" epoch="0" name="php-channel-htmlpurifier" release="2.el5" src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/i386/php-channel-htmlpurifier-1.0-2.el5.noarch.rpm" version="1.0"></filename><php-channel-htmlpurifier-1.0-2.el5.noarch.rpm></package></collection></pkglst></description>
UNU.RAN is an ANSI C library licensed under GPL. It contains universal (also called automatic or black-box) algorithms that can generate random numbers from large classes of continuous or discrete distributions, and also from practically all standard distributions.
epoch="0" name="libtevent-debuginfo" release="7.el5"
src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/i386/libtevent-debuginfo-0.9.8-7.el5.i386.rpm"
version="0.9.8"><filename>libtevent-debuginfo-0.9.8-7.el5.i386.rpm</filename></package></collection></pkglist></update><update from="updates@fedoraproject.org" status="stable" type="newpackage" version="1.4"><id>FEDORA-EPEL-2010-2342</id><title>libunicapgtk-0.9.8-1.el5</title><release>Fedora EPEL 5</release><issued date="2010-03-02 23:42:33"/><reboot_suggested/><references><reference href="https://bugzilla.redhat.com/show_bug.cgi?id=530702" id="530702" title="unicap-0.9.7 is available"
type="bugzilla"/><reference href="https://bugzilla.redhat.com/show_bug.cgi?id=567111" id="567111" title="Review Request: libunicapgtk - Library to build graphical widgets for the unicap library"
type="bugzilla"/></references><description>Unicap provides a uniform interface to video capture devices. It allows applications to use any supported video capture device via a single API. Building applications with a graphical user interface is made especially easy with the unicapGTK widget set.</description><pkglist><collection short="EL-5"><name>Fedora EPEL 5</name><package arch="src" epoch="0" name="libunicapgtk" release="1.el5"
src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/SRPMS/libunicapgtk-0.9.8-1.el5.src.rpm"
version="0.9.8"><filename>libunicapgtk-0.9.8-1.el5.src.rpm</filename></package><package arch="ppc" epoch="0" name="libunicapgtk" release="1.el5"
src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/ppc/libunicapgtk-0.9.8-1.el5.ppc.rpm"
version="0.9.8"><filename>libunicapgtk-0.9.8-1.el5.ppc.rpm</filename></package><package arch="ppc" epoch="0" name="libunicapgtk-devel" release="1.el5"
src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/ppc/libunicapgtk-devel-0.9.8-1.el5.ppc.rpm"
version="0.9.8"><filename>libunicapgtk-devel-0.9.8-1.el5.ppc.rpm</filename></package><package arch="ppc" epoch="0" name="libunicapgtk-debuginfo" release="1.el5"
src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/ppc/libunicapgtk-debuginfo-0.9.8-1.el5.ppc.rpm"
version="0.9.8"><filename>libunicapgtk-debuginfo-0.9.8-1.el5.ppc.rpm</filename></package><package arch="x86_64" epoch="0" name="libunicapgtk" release="1.el5"
src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/x86_64/libunicapgtk-0.9.8-1.el5.x86_64.rpm"
version="0.9.8"><filename>libunicapgtk-0.9.8-1.el5.x86_64.rpm</filename></package><package arch="x86_64" epoch="0" name="libunicapgtk-devel" release="1.el5"
src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/x86_64/libunicapgtk-devel-0.9.8-1.el5.x86_64.rpm"
version="0.9.8"><filename>libunicapgtk-devel-0.9.8-1.el5.x86_64.rpm</filename></package><package arch="x86_64" epoch="0" name="libunicapgtk-debuginfo" release="1.el5"
src="http://download.fedoraproject.org/pub/fedora/linux/updates/5/x86_64/libunicapgtk-debuginfo-0.9.8-1.el5.x86_64.rpm"
version="0.9.8"><filename>libunicapgtk-debuginfo-0.9.8-1.el5.x86_64.rpm</filename></package></collection></pkglist></update><update from="updates@fedoraproject.org" status="stable" type="bugfix" version="1.4"><id>FEDORA-EPEL-2010-2347</id><title>perl-Nmap-Parser-1.19-4.el5</title><release>Fedora EPEL 5</release><issued date="2010-03-02 23:42:45"/><reboot_suggested/><references><reference href="https://bugzilla.redhat.com/show_bug.cgi?id=569399" id="569399" title="Wrong directory ownership" type="bugzilla"/></references>
This update corrects the license information; perl-Nmap-Parser is now covered by the MIT license. It also corrects a minor packaging problem with incorrect ownership of directories.

Update to the final release 0.9, containing a number of bug fixes and enhancements.

This update introduces lbzip2 utilities -- a collection of tools to work with compressed files in bz2 format.
1.609 activemq-mqtt 5.15.14

1.609.1 Available under license:

ActiveMQ :: MQTT Protocol
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.610.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

**GNU GENERAL PUBLIC LICENSE**

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:
a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you...
may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library "Frob" (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.611 axiom-compat 1.2.15
1.611.1 Available under license:
Apache Axiom

Copyright 2004-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.612 bind 9.11.20

1.612.1 Available under license:
Mozilla Public License, version 2.0

1. Definitions

1.1. "Contributor"

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version"

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"

means Covered Software of a particular Contributor.

1.4. "Covered Software"

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. "Incompatible With Secondary Licenses"

means

a. that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or

b. that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. "Executable Form"

means any form of the work other than Source Code Form.

1.7. "Larger Work"

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.
1.8. "License"

means this document.

1.9. "Licensable"

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. "Modifications"

means any of the following:

a. any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

b. any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"

means the form of the work preferred for making modifications.

1.14. "You" (or "Your")

means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.
2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

a. under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

b. under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

a. for any code that a Contributor has removed from Covered Software; or

b. for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

c. under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses
No Contributor makes additional grants as a result of Your choice to
distribute the Covered Software under a subsequent version of this
License (see Section 10.2) or under the terms of a Secondary License (if
permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its
Contributions are its original creation(s) or it has sufficient rights to
grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under
applicable copyright doctrines of fair use, fair dealing, or other
equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in
Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any
Modifications that You create or to which You contribute, must be under
the terms of this License. You must inform recipients that the Source
Code Form of the Covered Software is governed by the terms of this
License, and how they can obtain a copy of this License. You may not
attempt to alter or restrict the recipients' rights in the Source Code
Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

a. such Covered Software must also be made available in Source Code Form,
as described in Section 3.1, and You must inform recipients of the
Executable Form how they can obtain a copy of such Source Code Form by
reasonable means in a timely manner, at a charge no more than the cost
of distribution to the recipient; and

b. You may distribute such Executable Form under the terms of this
License, or sublicense it under different terms, provided that the
license for the Executable Form does not attempt to limit or alter the
recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.
5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

6. Disclaimer of Warranty

Covered Software is provided under this License on an "as is" basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.

7. Limitation of Liability

Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any character including, without limitation, damages for lost profits, loss of
goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a
modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice

This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

License
******

Copyright (c) 2007, 2008, 2009, 2010, 2011, 2012 The NetBSD Foundation, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS
BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

Copyright 2011, 2012 Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
  documentation and/or other materials provided with the distribution.

* Neither the name of Google Inc. nor the names of its contributors
  may be used to endorse or promote products derived from this software
  without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

Relicensed code
***************
The following code snippets have been taken from other projects. Even though they were not originally licensed under the terms above, the original authors have agreed to relicense their work so that this project can be distributed under a single license. This section is put here just to clarify this fact.

* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c2f2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

---

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
<--
-
- This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.
-->

<-- $Id$ -->

<-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.
Copyright (C) 1996-2017 Internet Systems Consortium, Inc. ("ISC")

This Source Code Form is subject to the terms of the Mozilla Public
License, v. 2.0. If a copy of the MPL was not distributed with this
file, You can obtain one at http://mozilla.org/MPL/2.0/.

--------------------------------------------------------------------------------

Portions of this code release fall under one or more of the
following Copyright notices. Please see individual source
files for details.

For binary releases also see: OpenSSL-LICENSE.

Copyright (C) 1996-2001 Nominum, Inc.

Permission to use, copy, modify, and distribute this software for any
purpose with or without fee is hereby granted, provided that the above
copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND NOMINUM DISCLAIMS ALL WARRANTIES
WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL NOMINUM BE LIABLE FOR
ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT
OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

--------------------------------------------------------------------------------

Copyright (C) 1995-2000 by Network Associates, Inc.

Permission to use, copy, modify, and/or distribute this software for any
purpose with or without fee is hereby granted, provided that the above
copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ISC AND NETWORK ASSOCIATES DISCLAIMS
ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE
FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR
IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

--------------------------------------------------------------------------------
Copyright (C) 2002 Stichting NL.net, Netherlands, stichting@nlnet.nl.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND STICHTING NLNET DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL STICHTING NLNET BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The development of Dynamically Loadable Zones (DLZ) for Bind 9 was conceived and contributed by Rob Butler.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ROB BUTLER DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ROB BUTLER BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----------------------------------------------------------------------------

Copyright (c) 1987, 1990, 1993, 1994
The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software
without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

------------------------------------------------------------------

Copyright (C) The Internet Society 2005. This version of this module is part of RFC 4178; see the RFC itself for full legal notices.

(The above copyright notice is per RFC 3978 5.6 (a), q.v.)

------------------------------------------------------------------

Copyright (c) 2004 Masarykova universita
(Masaryk University, Brno, Czech Republic)
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

-----------------------------------------------------------------------------

Copyright (c) 1997 - 2003 Kungliga Tekniska Hgskolan
(Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
   documentation and/or other materials provided with the distribution.

3. Neither the name of the Institute nor the names of its contributors
   may be used to endorse or promote products derived from this software
   without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

-----------------------------------------------------------------------------

Copyright (c) 1998 Doug Rabson
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

Copright ((c)) 2002, Rice University
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above
  copyright notice, this list of conditions and the following
  disclaimer in the documentation and/or other materials provided
  with the distribution.

* Neither the name of Rice University (RICE) nor the names of its
  contributors may be used to endorse or promote products derived
  from this software without specific prior written permission.

This software is provided by RICE and the contributors on an "as is"
basis, without any representations or warranties of any kind, express
or implied including, but not limited to, representations or
warranties of non-infringement, merchantability or fitness for a
particular purpose. In no event shall RICE or contributors be liable
for any direct, indirect, incidental, special, exemplary, or
consequential damages (including, but not limited to, procurement of
substitute goods or services; loss of use, data, or profits; or
business interruption) however caused and on any theory of liability,
whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this software, even if advised of the possibility of such damage.

---------------------------------------------------------------------------------

Copyright (c) 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

---------------------------------------------------------------------------------

Copyright 2000 Aaron D. Gifford. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR(S) AND CONTRIBUTOR(S) ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR(S) OR CONTRIBUTOR(S) BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--------------------------------------------------------------------------

Copyright (c) 1998 Doug Rabson.
Copyright (c) 2001 Jake Burkholder.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

--------------------------------------------------------------------------

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

----------------------------------------------------------------------------

Copyright (c) 1999-2000 by Nortel Networks Corporation

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND NORTEL NETWORKS DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL NORTEL NETWORKS BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------------------------------------------

Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved.

By using this file, you agree to the terms and conditions set forth bellow.

LICENSE TERMS AND CONDITIONS

The following License Terms and Conditions apply, unless a different license is obtained from Japan Network Information Center ("JPNIC"), a Japanese association, Kokusai-Kougyou-Kanda Bldg 6F, 2-3-4 Uchi-Kanda, Chiyoda-ku, Tokyo 101-0047, Japan.

1. Use, Modification and Redistribution (including distribution of any modified or derived work) in source and/or binary forms is permitted under this License Terms and Conditions.

2. Redistribution of source code must retain the copyright notices as they appear in each source code file, this License Terms and Conditions.
3. Redistribution in binary form must reproduce the Copyright Notice, this License Terms and Conditions, in the documentation and/or other materials provided with the distribution. For the purposes of binary distribution the "Copyright Notice" refers to the following language: "Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved."

4. The name of JPNIC may not be used to endorse or promote products derived from this Software without specific prior written approval of JPNIC.

5. Disclaimer/Limitation of Liability: THIS SOFTWARE IS PROVIDED BY JPNIC "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JPNIC BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

---------------------------------------------------------------------

Copyright (C) 2004  Nominet, Ltd.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND NOMINET DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

---------------------------------------------------------------------

Portions Copyright RSA Security Inc.

License to copy and use this software is granted provided that it is identified as "RSA Security Inc. PKCS #11 Cryptographic Token Interface (Cryptoki)" in all material mentioning or referencing this software.
License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Security Inc. PKCS #11 Cryptographic Token Interface (Cryptoki)" in all material mentioning or referencing the derived work.

RSA Security Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

--------------------------------------------------------------------------------

Copyright (c) 1996, David Mazieres <dm@uun.org>
Copyright (c) 2008, Damien Miller <djm@openbsd.org>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

--------------------------------------------------------------------------------

Copyright (c) 2000-2001 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgment:
"This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.OpenSSL.org/)"
4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact licensing@OpenSSL.org.

5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following acknowledgment:
   "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.OpenSSL.org/)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT AS IS AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---------------------------------------------------------------------------------

Copyright (c) 1995, 1997, 1998 The NetBSD Foundation, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS AS IS AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS...
Copyright (C) 2008-2011  Red Hat, Inc.

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND Red Hat DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL Red Hat BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----------------------------------------------------------------------------

Copyright (c) 2013-2014, Farsight Security, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS;
OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, 
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR 
OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF 
ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----------------------------------------------------------------------------

Copyright (c) 2014 by Farsight Security, Inc.

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved.

By using this file, you agree to the terms and conditions set forth bellow.

LICENSE TERMS AND CONDITIONS

The following License Terms and Conditions apply, unless a different
license is obtained from Japan Network Information Center ("JPNIC"),
a Japanese association, Kokusai-Kougyou-Kanda Bldg 6F, 2-3-4 Uchi-Kanda,
Chiyoda-ku, Tokyo 101-0047, Japan.

1. Use, Modification and Redistribution (including distribution of any
modified or derived work) in source and/or binary forms is permitted
under this License Terms and Conditions.

2. Redistribution of source code must retain the copyright notices as they
appear in each source code file, this License Terms and Conditions.

3. Redistribution in binary form must reproduce the Copyright Notice,
this License Terms and Conditions, in the documentation and/or other
materials provided with the distribution. For the purposes of binary
distribution the "Copyright Notice" refers to the following language:
"Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved."

4. The name of JPNIC may not be used to endorse or promote products
derived from this Software without specific prior written approval of
JPNIC.
5. Disclaimer/Limitation of Liability: THIS SOFTWARE IS PROVIDED BY JPNIC "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JPNIC BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

1.613 spring-web-mvc 4.3.30.RELEASE

1.613.1 Available under license:
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2017 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/config/annotation/DefaultServletHandlerConfigurer.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/tags/Param.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/view/script/ScriptTemplateView.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ServletInvocableHandlerMethod.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ServletRequestMethodArgumentResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/HttpServletBean.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2019 the original author or authors.
 */
Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

https://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Found in path(s):
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/i18n/LocaleChangeInterceptor.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/config/annotation/InterceptorRegistration.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/config/MvcNamespaceUtils.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ViewMethodReturnValueHandler.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/SessionAttributeMethodArgumentResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/i18n/CookieLocaleResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/handler/AbstractHandlerExceptionResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/AbstractRequestCondition.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ExceptionHandlerExceptionResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/DispatcherServlet.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/method/AnnotationDrivenBeanDefinitionParser.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ViewNameMethodReturnValueHandler.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/resource/ResourceUrlEncodingFilter.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/handler/HandlerExceptionResolverComposite.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/view/RedirectView.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/method/RequestMappingInfoHandlerMethodMappingNamingStrategy.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ViewMethodReturnValueHandler.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/page/RedirectPageView.java

/*
 * Copyright 2002-2012 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):

* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4.3.30-release-sources-1.jar/org/springframework/web/servlet/config/annotation/InterceptorRegistry.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4.3.30-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/RequestMappingHandlerAdapter.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4.3.30-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/ResponseEntityExceptionHandler.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4.3.30-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/SseEmitter.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4.3.30-release-sources-1.jar/org/springframework/web/servlet/handler/AbstractUrlHandlerMapping.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4.3.30-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/RequestResponseBodyAdviceChain.java

No license file was found, but licenses were detected in source scan.
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/mvc/multiaction/InternalPathMethodNameResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/mvc/support/ControllerBeanNameHandlerMapping.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/ServletWebArgumentResolverAdapter.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/tags/form/AbstractMultiCheckedElementTag.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/velocity/VelocityLayoutView.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/tiles2/AbstractSpringPreparerFactory.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/tags/ParamAware.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/tags/RequestContextAwareTag.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/mvc/HttpRequestHandlerAdapter.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/freemarker/FreeMarkerConfigurer.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/tiles2/SimpleSpringPreparerFactory.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/handler/WebRequestHandlerInterceptorAdapter.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/jstl/ViewResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/tiles2/AbstractSpringPreparerFactory.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/jstl/ViewResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/condition/MediaTypeExpression.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2007 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License";
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
/*
* Copyright 2002-2013 the original author or authors.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
/**
* A contract for inspecting and potentially modifying request data values such
* as URL query parameters or form field values before they are rendered by a
* view or before a redirect.
* <p>Implementations may use this contract for example as part of a solution
* to provide data integrity, confidentiality, protection against cross-site
* request forgery (CSRF), and others or for other tasks such as automatically
* adding a hidden field to all forms and URLs.
* View technologies that support this contract can obtain an instance to
* delegate to via {@link RequestContext#getRequestDataValueProcessor()}.  
* @author Rossen Stoyanchev
* @since 3.1
*/

/*
* Copyright 2002-2015 the original author or authors.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
you may not use this file except in compliance with the License.
You may obtain a copy of the License at
https://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
*/

Found in path(s):
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/script/ScriptTemplateViewResolver.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/config/annotation/ViewControllerRegistration.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/resource/DefaultServletHttpRequestHandler.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/mvc/annotation/AnnotationMethodHandlerAdapter.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/script/ScriptTemplateConfig.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/resource/AbstractResourceResolver.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/mvc/annotation/AnnotationMethodHandlerAdapter.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/resource/ResourceResolver.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/mvc/annotation/DefaultAnnotationHandlerMapping.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/groovy/GroovyMarkupViewResolver.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/tags/ParamTag.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/tags/TransformTag.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/jasperreports/JasperReportsXlsxView.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/handler/SimpleUrlHandlerMapping.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/resource/ResourceTransformerChain.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/resource/TransformedResource.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/jasperreports/JasperReportsXlsxView.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/tags/ParamTag.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/tags/TransformTag.java
*/opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-
XSLT-driven View that allows for response context to be rendered as the result of an XSLT transformation.

The XSLT Source object is supplied as a parameter in the model and then [locateSource detected] during response rendering. Users can either specify a specific entry in the model via the [setSourceKey sourceKey] property or have Spring locate the Source object. This class also provides basic conversion of objects into Source implementations. See [getSourceTypes] for more details.

All model parameters are passed to the XSLT Transformer as parameters. In addition the user can configure [setOutputProperties output properties] to be passed to the Transformer.

@copyright Rob Harrop
* @author Juergen Hoeller  
* @since 2.0  
* /

Found in path(s):  
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/xslt/XsltView.java

No license file was found, but licenses were detected in source scan.

/**
 * Copyright 2002-2015 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *   https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):  
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/resource/ContentVersionStrategy.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/resource/FixedVersionStrategy.java

No license file was found, but licenses were detected in source scan.

/**
 * Copyright 2002-2013 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *   https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
Open Source Used In CSPC_Collector 2.9.1 6400

No license file was found, but licenses were detected in source scan.

/*

*/
* Copyright 2002-2016 the original author or authors.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-
  jar/org/springframework/web/servlet/support/AbstractAnnotationConfigDispatcherServletInitializer.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2018 the original author or authors.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-
  jar/org/springframework/web/servlet/mvc/method/annotation/ResponseBodyEmitter.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-
  jar/org/springframework/web/servlet/mvc/condition/ConsumesRequestCondition.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-
  jar/org/springframework/web/servlet/mvc/method/annotation/MatrixVariableMapMethodArgumentResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-
  jar/org/springframework/web/servlet/forms/CheckboxesTag.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-
  jar/org/springframework/web/servlet/resource/GzipResourceResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2016 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/config/annotation/WebMvcConfigurer.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/config/annotation/ResourceChainRegistration.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/config/annotation/CompletionStageReturnValueHandler.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/RequestAttributeMethodArgumentResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/resource/DefaultResourceResolverChain.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/groovy/GroovyMarkupView.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/resource/CssLinkResourceTransformer.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/resources/AbstractJasperReportsView.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1.jar/org/springframework/web/servlet/view/DefaultRequestToViewNameTranslator.java
Open Source Used In CSPC_Collector 2.9.1

* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ResponseBodyEmitterAdapter.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/resource/ResourceTransformer.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/AbstractController.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/view/tiles3/TilesConfigurer.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/RequestResponseBodyMethodProcessor.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/view/tiles3/SpringLocaleResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/annotation/ServletAnnotationMappingUtils.java

No license file was found, but licenses were detected in source scan.

/**
 * Copyright 2002-2008 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *     https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/support/ControllerTypePredicate.java

No license file was found, but licenses were detected in source scan.

/**
 * Copyright 2002-2011 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *     https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ServletRequestDataBinderFactory.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2020 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
* https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/view/AbstractTemplateViewResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/support/ServletUriComponentsBuilder.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/PatternsRequestCondition.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/config/ResourcesBeanDefinitionParser.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/HandlerExecutionChain.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/handler/AbstractHandlerMapping.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/AbstractMediaTypeExpression.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/support/AbstractFlashMapManager.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/resource/ResourceUrlProvider.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/config/annotation/CorsRegistration.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1
/*
 * Copyright 2002-2014 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/mvc/Controller.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/view/jasperreports/JasperReportsPdfView.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/handler/HandlerMethodMappingNamingStrategy.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/view/xslt/XsltViewResolver.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/tags/EvalTag.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/tags/form/PasswordInputTag.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/view/jasperreports/AbstractJasperReportsSingleFormatView.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/view/feed/AbstractAtomFeedView.java

No license file was found, but licenses were detected in source scan.
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2009 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2010 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 */
* See the License for the specific language governing permissions and
  * limitations under the License.
  */

Found in path(s):

* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/view/velocity/VelocityToolboxView.java
* /opt/cola/permits/1137268633_1614043351.52/0/spring-webmvc-4-3-30-release-sources-1-jar/org/springframework/web/servlet/handler/DispatcherServletWebRequest.java

1.614 slf4j-log4j 1.7.25

1.614.1 Available under license:

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
THE SOFTWARE.

1.615 iptables 1.8.4-10.el8_2.1

1.615.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    'Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.
1.616 core-aspects 1.2.20
1.616.1 Available under license:
Apache Axiom

Copyright 2004-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
   that You distribute, all copyright, patent, trademark, and
   attribution notices from the Source form of the Work,
   excluding those notices that do not pertain to any part of
   the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.617 jsch 0.1.44-1

1.617.1 Available under license :

/* -*-mode:java; c-basic-offset:2; indent-tabs-mode:nil -*-

/*

Copyright (c) 2002-2010 ymnk, JCraft,Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The names of the authors may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JCRAFT, INC. OR ANY CONTRIBUTORS TO THIS SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT

   Open Source Used In CSPC_Collector 2.9.1 6423
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

1.618 hamcrest 1.3

1.618.1 Available under license:

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0//EN">
<html>
<head>
<title>Common Public License - v 1.0</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head>
<body bgcolor="#FFFFFF" vlink="#800000">

<p align="center"><b>Common Public License - v 1.0</b>
<p><b></b><font size="3"></font>
<p><font size="2">THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.</font>
<p><font size="2"></font>
<p><font size="2"><b>1. DEFINITIONS</b></font>
<p><font size="2">"Contribution" means:
<ul><font size="2">a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and<br clear="left">
b) in the case of each subsequent Contributor:
</font></ul>
<font size="2">where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. </font><font size="2">A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. </font><font size="2">Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program. </font><font size="2"></font>

Open Source Used In CSPC_Collector 2.9.1 6424
"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

\begin{itemize}
  \item \textbf{a)} Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.
  \item \textbf{b)} Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.
  \item \textbf{c)} Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.
\end{itemize}
d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.
Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.
However caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use or distribution of the program or the exercise of any rights granted hereunder, even if advised of the possibility of such damages.<p><font size="2">7. GENERAL</font></p><p>If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.</p><p>7.1. All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.</p><p>Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.</p>
<BODY>

</BODY>

</HTML>

BSD License

Copyright (c) 2000-2006, www.hamcrest.org
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of
conditions and the following disclaimer. Redistributions in binary form must reproduce
the above copyright notice, this list of conditions and the following disclaimer in
the documentation and/or other materials provided with the distribution.

Neither the name of Hamcrest nor the names of its contributors may be used to endorse
or promote products derived from this software without specific prior written
permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY
EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO
EVENT
SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED
TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN
ANY
WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH
DAMAGE.
Copyright (c) 2000-2003, jMock.org
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of
conditions and the following disclaimer. Redistributions in binary form must reproduce
the above copyright notice, this list of conditions and the following disclaimer in
the documentation and/or other materials provided with the distribution.

Neither the name of jMock nor the names of its contributors may be used to endorse
or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

<?xml version="1.0" encoding="iso-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>EasyMock License</title>
<link rel="stylesheet" href="easymock.css" />
</head>
<body><div class="bodywidth">
<h2>
EasyMock 2 License (MIT License)
</h2>
<em>Copyright (c) 2001-2006 <a href="http://www.offis.de">OFFIS</a>, <a href="http://www.tammofreese.de">Tammo Freese</a>.</em>
<p>
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
</p>
<p>
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.
</p>

Open Source Used In CSPC_Collector 2.9.1 6430
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
   that You distribute, all copyright, patent, trademark, and
   attribution notices from the Source form of the Work,
   excluding those notices that do not pertain to any part of
   the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.619 jersey-client 1.9.1

1.620 perl-text-tabs-wrap 2013.0523 395.el8

1.620.1 Available under license :
No license file was found, but licenses were detected in source scan.

---
abstract: 'Expand tabs and do simple line wrapping'
author:
  - 'David Muir Sharnoff <muir@idiom.org>'
built_requires:
  ExtUtils::MakeMaker: 0
configure_requires:
  ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.62, CPAN::Meta::Converter version 2.112150'
license: unknown
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Text-Tabs+Wrap
no_index:
directory:
  - t
  - inc
requires: {}
resources:
  repository: http://github.com/muir/Text-Tabs-Wrap
version: 2013.0523

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1019676549_1591379882.87/0/perl-Text-Tabs+Wrap-2013.0523-395.el8.src.rpm-
cosi-expand-archive-WoUTJPer/Text-Tabs+Wrap-2013.0523.tar.gz-expand-archive-ZHll6Ysd/Text-
Tabs+Wrap-2013.0523/META.yml
No license file was found, but licenses were detected in source scan.

License: TTWL

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1019676549_1591379882.87/0/perl-Text-Tabs+Wrap-2013.0523-395.el8.src.rpm-
cosi-expand-archive-WoUTJPer/perl-Text-Tabs+Wrap.spec

1.621 jetty-nosql 9.4.11.v20180605

1.622 qt 4.6.2-28.el6_5

1.622.1 Available under license:
GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages—typically libraries—of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:
a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user’s computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you

[Page 6454]
may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

Qt COMMERCIAL LICENSE AGREEMENT
Agreement version 3.8

This Qt Commercial License Agreement ("Agreement") is a legal agreement between Nokia Inc. ("Nokia"), with its registered office at 102 Corporate Park Drive, White Plains, NY 10604 U.S.A. and you (either an individual or a legal entity) ("Licensee") for the Licensed Software (as defined below).

1. DEFINITIONS

"Affiliate" of a Party shall mean an entity (i) which is directly or indirectly controlling such Party; (ii) which is under the same direct or indirect ownership or control as such Party; or (iii) which is directly or indirectly owned or controlled by such Party. For these purposes, an entity shall be treated as being controlled by another if that other entity has fifty percent (50 %) or more of the votes in such entity, is able to direct its affairs and/or to control the composition of its board of directors or equivalent body.

"Applications" shall mean Licensee's software products created using the Licensed Software which may include portions of the Licensed Software.
"Designated User(s)" shall mean the employee(s) of Licensee acting within the scope of their employment or Licensee's consultant(s) or contractor(s) acting within the scope of their services for Licensee and on behalf of Licensee.

"Initial Term" shall mean the period of time one (1) year from the later of (a) the Effective Date; or (b) the date the Licensed Software was initially delivered to Licensee by Nokia. If no specific Effective Date is set forth in the Agreement, the Effective Date shall be deemed to be the date the Licensed Software was initially delivered to Licensee.

"License Certificate" shall mean the document accompanying the Licensed Software which specifies the modules which are licensed under the Agreement, Platforms and Designated Users.

"Licensed Software" shall mean the computer software, "online" or electronic documentation, associated media and printed materials, including the source code, example programs and the documentation delivered by Nokia to Licensee in conjunction with this Agreement. Licensed Software does not include Third Party Software (as defined in Section 7).

"Modified Software" shall mean modifications made to the Licensed Software by Licensee.

"Party" or "Parties" shall mean Licensee and/or Nokia.

"Platforms" shall mean the operating systems listed in the License Certificate.

"Redistributables" shall mean the portions of the Licensed Software set forth in Appendix 1, Section 1 that may be distributed with or as part of Applications in object code form.

"Support" shall mean standard developer support that is provided by Nokia to assist eligible Designated Users in using the Licensed Software in accordance with its established standard support procedures listed at: http://qt.nokia.com/support-services/files/standardsupport-TermsandConditions.pdf.

"Updates" shall mean a release or version of the Licensed Software containing enhancement, new features, bug fixes, error corrections and other changes that are generally made available to users of the Licensed Software that have contracted for maintenance and support.

2. OWNERSHIP

The Licensed Software is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Licensed Software is licensed, not sold.

Nokia shall own all right, title and interest including the intellectual property rights in and to the information on bug fixes or error corrections relating to the Licensed Software that are submitted by Licensee to Nokia as well as any intellectual property rights to the correction of any errors, if any. To the extent any rights do not automatically vest in Nokia, Licensee assigns, and shall ensure that all of its Affiliates, agents, subcontractors and employees assign, all such rights to Nokia. All Nokia's and/or its licensors' trademarks, service marks, trade names, logos or other words or symbols are and shall remain the exclusive property of Nokia or its licensors respectively.

3. MODULES
Some of the files in the Licensed Software have been grouped into Modules. These files contain specific notices defining the Module of which they are a part. The Modules licensed to Licensee are specified in the License Certificate. The terms of the License Certificate are considered part of the Agreement. In the event of inconsistency or conflict between the language of this Agreement and the License Certificate, the provisions of this Agreement shall govern.

4. VALIDITY OF THE AGREEMENT

By installing, copying, or otherwise using the Licensed Software, Licensee agrees to be bound by the terms of this Agreement. If Licensee does not agree to the terms of this Agreement, Licensee may not install, copy, or otherwise use the Licensed Software. In addition, by installing, copying, or otherwise using any Updates or other components of the Licensed Software that Licensee receives separately as part of the Licensed Software, Licensee agrees to be bound by any additional license terms that accompany such Updates, if any. If Licensee does not agree to the additional license terms that accompany such Updates, Licensee may not install, copy, or otherwise use such Updates.

Upon Licensee's acceptance of the terms and conditions of this Agreement, Nokia grants Licensee the right to use the Licensed Software in the manner provided below.

5. LICENSES

5.1 Using, modifying and copying

Nokia grants to Licensee a non-exclusive, non-transferable, perpetual license to use, modify and copy the Licensed Software for the Designated User(s) specified in the License Certificate for the sole purposes of designing, developing, and testing Application(s).

Licensee may install copies of the Licensed Software on an unlimited number of computers provided that only the Designated Users use the Licensed Software. Licensee may at any time designate another Designated User to replace a then-current Designated User by notifying Nokia, provided that a) the then-current Designated User has not been designated as a replacement during the last six (6) months; and b) there is no more than the specified number of Designated Users at any given time.

5.2 Redistributability

a) Nokia grants Licensee a non-exclusive, royalty-free right to reproduce and distribute the object code form of Redistributables for execution on the specified Platforms. Copies of Redistributables may only be distributed with and for the sole purpose of executing Applications permitted under this Agreement that Licensee has created using the Licensed Software. Under no circumstances may any copies of Redistributables be distributed separately. This Agreement does not give Licensee any rights to distribute any of the parts of the Licensed Software listed in Appendix 1, Section 2, neither as a whole nor as parts or snippets of code.

b) Licensee may not distribute, transfer, assign or otherwise dispose of Applications and/or Redistributables, in binary/compiled form, or in any other form, if such action is part of a joint software and hardware distribution, except as provided by a separate runtime distribution license with Nokia or one of its authorized distributors. A joint hardware and software distribution shall be defined as either:
(i) distribution of a hardware device where, in its final end user configuration, the main user interface of the device is provided by Application(s) created by Licensee or others, using a commercial version of Qt or a Qt-based product, and depends on the Licensed Software or an open source version of any Qt or Qt-based software product; or

(ii) distribution of the Licensed Software with a device designed to facilitate the installation of the Licensed Software onto the same device where the main user interface of such device is provided by Application(s) created by Licensee or others, using a commercial version of Qt or a Qt-based product, and depends on the Licensed Software.

5.3 Further Requirements

The licenses granted in this Section 5 by Nokia to Licensee are subject to Licensee's compliance with Section 8 of this Agreement.

6. VERIFICATION

Nokia or a certified auditor on Nokia's behalf, may, upon its reasonable request and at its expense, audit Licensee with respect to the use of the Licensed Software. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. Nokia shall not remove, copy, or redistribute any electronic material during the course of an audit. If an audit reveals that Licensee is using the Licensed Software in a way that is in material violation of the terms of the Agreement, then Licensee shall pay Nokia's reasonable costs of conducting the audit. In the case of a material violation, Licensee agrees to pay Nokia any amounts owing that are attributable to the unauthorized use. In the alternative, Nokia reserves the right, at Nokia's sole option, to terminate the licenses for the Licensed Software.

7. THIRD PARTY SOFTWARE

The Licensed Software may provide links to third party libraries or code (collectively "Third Party Software") to implement various functions. Third Party Software does not comprise part of the Licensed Software. In some cases, access to Third Party Software may be included along with the Licensed Software delivery as a convenience for development and testing only. Such source code and libraries may be listed in the ".../src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software where the Third Party Software is used, as may be amended from time to time, do not comprise the Licensed Software. Licensee acknowledges (1) that some part of Third Party Software may require additional licensing of copyright and patents from the owners of such, and (2) that distribution of any of the Licensed Software referencing any portion of a Third Party Software may require appropriate licensing from such third parties.

8. CONDITIONS FOR CREATING APPLICATIONS AND DISTRIBUTING REDISTRIBUTABLES

The licenses granted in this Agreement for Licensee to create Applications and distribute them and the Redistributables (if any) to Licensee's customers is subject to all of the following conditions: (i) all copies of the Applications which Licensee creates must bear a valid copyright notice, either Licensee's own or the copyright notice that appears on the Licensed Software; (ii) Licensee may not remove or alter any copyright, trademark or other proprietary rights notice contained in any portion of the Licensed Software, including but not limited to the About Boxes in "Qt Assistant" and "Qt Linguist" as defined in Appendix 1; (iii) Redistributables, if any, shall be licensed to Licensee's customer "as is"; (iv) Licensee shall indemnify and hold Nokia, its Affiliates, contractors, and its suppliers, harmless from and against any claims or liabilities arising out of the use, reproduction or distribution of Applications; (v) Applications must be developed using a licensed, registered copy of the Licensed Software; (vi)
Applications must add primary and substantial functionality to the Licensed Software; (vii) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software, however Licensee may use the Licensed Software's scripting functionality solely in order to enable scripting that augments the functionality of the Application(s) without adding primary and substantial functionality to the Application(s); (viii) Applications may not compete with the Licensed Software; (ix) Licensee may not use Nokia's or any of its suppliers' names, logos, or trademarks to market Application(s), except to state that Application was developed using the Licensed Software.

NOTE: The Open Source Editions of Nokia's Qt products and the Qt, Qtopia and Qt Extended versions previously licensed by Trolltech (collectively referred to as "Products") are licensed under the terms of the GNU Lesser General Public License version 2.1 ("LGPL") and/or the GNU General Public License versions 2.0 and 3.0 ("GPL") (as applicable) and not under this Agreement. If Licensee, or another third party, has, at any time, developed all (or any portions of) the Application(s) using a version of one of these Products licensed under the LGPL or the GPL, Licensee may not combine such development work with the Licensed Software and must license such Application(s) (or any portions derived there from) under the terms of the GNU Lesser General Public License version 2.1 (Qt only) or GNU General Public License version 2.0 (Qt, Qtopia and Qt Extended) or version 3 (Qt only) copies of which are located at http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html, http://www.fsf.org/licensing/licenses/info/GPLv2.html, and http://www.gnu.org/copyleft/gpl.html.

9. LIMITED WARRANTY AND WARRANTY DISCLAIMER

Nokia hereby represents and warrants with respect to the Licensed Software that it has the power and authority to grant the rights and licenses granted to Licensee under this Agreement. Except as set forth above, the Licensed Software is licensed to Licensee "as is". To the maximum extent permitted by applicable law, Nokia on behalf of itself and its suppliers, disclaims all warranties and conditions, either express or implied, including, but not limited to, implied warranties of merchantability, fitness for a particular purpose, title and non-infringement with regard to the Licensed Software.

10. LIMITATION OF LIABILITY

If, Nokia's warranty disclaimer notwithstanding, Nokia is held liable to Licensee, whether in contract, tort or any other legal theory, based on the Licensed Software, Nokia's entire liability to Licensee and Licensee's exclusive remedy shall be, at Nokia's option, either (A) return of the price Licensee paid for the Licensed Software, or (B) repair or replacement of the Licensed Software, provided Licensee returns to Nokia all copies of the Licensed Software as originally delivered to Licensee. Nokia shall not under any circumstances be liable to Licensee based on failure of the Licensed Software if the failure resulted from accident, abuse or misapplication, nor shall Nokia under any circumstances be liable for special damages, punitive or exemplary damages, damages for loss of profits or interruption of business or for loss or corruption of data. Any award of damages from Nokia to Licensee shall not exceed the total amount Licensee has paid to Nokia in connection with this Agreement.

11. SUPPORT AND UPDATES

Licensee shall be eligible to receive Support and Updates during the Initial Term, in accordance with Nokia's then current policies and procedures, if any. Such policies and procedures may be changed from time to time. Following the Initial Term, Nokia shall no longer make the Licensed Software available to Licensee unless Licensee purchases additional Support and Updates according to this Section 11 below.
Licensee may purchase additional Support and Updates following the Initial Term at Nokia's terms and conditions applicable at the time of renewal.

12. CONFIDENTIALITY

Each party acknowledges that during the Initial Term of this Agreement it shall have access to information about the other party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other party, and the value of which would be significantly reduced if disclosed to third parties (the "Confidential Information"). Accordingly, when a party (the "Receiving Party") receives Confidential Information from another party (the "Disclosing Party"), the Receiving Party shall, and shall obligate its employees and agents and employees and agents of its affiliates to: (i) maintain the Confidential Information in strict confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each party shall take reasonable measures to protect the Confidential Information of the other party, which measures shall not be less than the measures taken by such party to protect its own confidential and proprietary information.

"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by the Receiving Party without access to the Confidential Information of the Disclosing Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means.

The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Nokia and Licensee conflict with the terms of this Section 12, this Section 12 shall be controlling over the terms of the Non-Disclosure Agreement.

13. GENERAL PROVISIONS

13.1 Marketing

Nokia may include Licensee's company name and logo in a publicly available list of Nokia customers and in its public communications.

13.2 No Assignment

Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Nokia, which shall not be unreasonably withheld.

13.3 Termination
Nokia may terminate the Agreement at any time immediately upon written notice by Nokia to Licensee if Licensee breaches this Agreement.

Either party shall have the right to terminate this Agreement immediately upon written notice in the event that the other party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other party.

Upon termination of this Agreement, Licensee shall return to Nokia all copies of Licensed Software that were supplied by Nokia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Nokia a written confirmation that this has occurred.

13.4 Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections: 2, 5.1, 6, 7, 8(iv), 10, 12, 13.5, 13.6, 13.9, 13.10 and 13.11 of this Agreement. Notwithstanding the foregoing, Section 5.1 shall not survive if the Agreement is terminated for material breach.

13.5 Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Nokia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

13.6 Payment and Taxes

If credit has been extended to Licensee by Nokia, all payments under this Agreement are due within thirty (30) days of the date Nokia mails its invoice to Licensee. If Nokia has not extended credit to Licensee, Licensee shall be required to make payment concurrent with the delivery of the Licensed Software by Nokia. All amounts payable are gross amounts but exclusive of any value added tax, use tax, sales tax or similar tax. Licensee shall be entitled to withhold from payments any applicable withholding taxes and comply with all applicable tax and employment legislation. Each party shall pay all taxes (including, but not limited to, taxes based upon its income) or levies imposed on it under applicable laws, regulations and tax treaties as a result of this Agreement and any payments made hereunder (including those required to be withheld or deducted from payments). Each party shall furnish evidence of such paid taxes as is sufficient to enable the other party to obtain any credits available to it, including original withholding tax certificates.
13.7 Force Majeure

Neither party shall be liable to the other for any delay or non-performance of its obligations hereunder other than the obligation of paying the license fees in the event and to the extent that such delay or non-performance is due to an event of Force Majeure (as defined below). If any event of Force Majeure results in a delay or non-performance of a party for a period of three (3) months or longer, then either party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other party. A "Force Majeure" event shall mean an act of God, terrorist attack or other catastrophic event of nature that prevents either party for fulfilling its obligations under this Agreement.

13.8 Notices

Any notice given by one party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified below. Each communication and document made or delivered by one party to the other party pursuant to this Agreement shall be in the English language or accompanied by a translation thereof.

Notices to Nokia shall be given to:

Nokia, Inc.
555 Twin Dolphin Drive, Suite 280
Redwood City, CA 94065 U.S.A.
Fax: +1 650 551 1851

13.9 Export Control

Licensee acknowledges that the Licensed Software may be subject to export control restrictions of various countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the importation of the Licensed Software and/or Modified Software and/or Applications and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Licensed Software, Modified Software or Applications.

13.10 Governing Law and Legal Venue

This Agreement shall be governed by and construed in accordance with the federal laws of the United States of America and the internal laws of the State of New York without given effect to any choice of law rule that would result in the application of the laws of any other jurisdiction. The United Nations Convention on Contracts for the International Sale of Goods (CISG) shall not apply. Each Party (a) hereby irrevocably submits itself to and consents to the jurisdiction of the United States District Court for the Southern District of New York (or if such court lacks jurisdiction, the state courts of the State of New York) for the purposes of any action, claim, suit or proceeding between the Parties in connection with any controversy, claim, or dispute arising out of or relating to this Agreement; and (b) hereby waives, and agrees not to assert by way of motion, as a defense or otherwise, in any such action, claim, suit or proceeding, any claim that is not personally subject to the jurisdiction of such court(s), that the action, claim, suit or proceeding is brought in an inconvenient forum or that the venue of the action, claim, suit or proceeding is improper. Notwithstanding the foregoing, nothing in this Section 13.10 is intended to, or shall be deemed to, constitute a submission or consent to, or selection of, jurisdiction, forum or venue for any action for
patent infringement, whether or not such action relates to this Agreement.

13.11 No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with Nokia and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software and/ Modified Software, as applicable, with any other software or hardware not delivered by Nokia under this Agreement.

13.12 Government End Users

A "U.S. Government End User" shall mean any agency or entity of the government of the United States. The following shall apply if Licensee is a U.S. Government End User. The Licensed Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software” and "commercial computer software documentation,” as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire the Licensed Software with only those rights set forth herein. The Licensed Software (including related documentation) is provided to U.S. Government End Users: (a) only as a commercial end item; and (b) only pursuant to this Agreement.

Appendix 1

1. Parts of the Licensed Software that are permitted for distribution ("Redistributables"): 

- The Licensed Software's main and plug-in libraries in object code form
- The Licensed Software's configuration tool ("qtconfig")
- The Licensed Software's help tool in object code/executable form ("Qt Assistant")
- The Licensed Software's internationalization tools in object code/executable form ("Qt Linguist", "lupdate", "lrelease")
- The Licensed Software's designer tool ("Qt Designer")
- The Licensed Software's IDE tool ("Qt Creator")

2. Parts of the Licensed Software that are not permitted for distribution include, but are not limited to:

- The Licensed Software's source code and header files
- The Licensed Software's documentation
- The Licensed Software's tool for writing makefiles ("qmake")
- The Licensed Software's Meta Object Compiler ("moc")
- The Licensed Software's User Interface Compiler ("uic" or in the case of Qt Jambi: "juic")
- The Licensed Software's Resource Compiler ("rcc")
The CLucene Core Library uses a dual license strategy for the source code. These licenses are the GNU Lesser General Public License (LGPL) and the Apache License (Version 2.0). Users can choose the license they wish to distribute their software under. This means that you do not need to abide by *both* licenses, but rather than you can choose the license which most suits your needs.

To rephrase this and to make it perfectly clear:
CLucene is distributed under the GNU Lesser General Public License (LGPL)
*or*
the Apache License, Version 2.0

However, we are an open source project, and we encourage users to use the LGPL license and participate fully in the free software community. Dual licensing of the CLucene source code provides open and free access to the technology both for the GPL community and for other developers or companies that cannot use the GPL.

You can freely modify, extend, and improve the CLucene source code. The only question is whether or not you must provide the source code and contribute modifications to the community. The GNU and Apache licenses allow different ranges of flexibility in this regard, but in the end, regardless of the license used, we highly recommend that you submit any bugs, incompatibilities or added features.

Note that this same license does *not* apply to the CLucene Contributions package. You should read the COPYING file in that directory or package for more information.
(c) Copyright 1989-1992, Bitstream Inc., Cambridge, MA.

You are hereby granted permission under all Bitstream propriety rights to use, copy, modify, sublicense, sell, and redistribute the 4 Bitstream Charter (r) Type 1 outline fonts and the 4 Courier Type 1 outline fonts for any purpose and without restriction; provided, that this notice is left intact on all copies of such fonts and that Bitstream's trademark is acknowledged as shown below on all unmodified copies of the 4 Charter Type 1 fonts.

BITSTREAM CHARTER is a registered trademark of Bitstream Inc.
Qt All Operating Systems Commercial Developer License Agreement Agreement version 1.2

This Qt All Operating Systems Commercial Developer License Agreement ("Agreement") is a legal agreement
between Nokia, Inc. ("Nokia") with its registered office at 102 Corporate Park Drive, White Plains, NY 10604, U.S.A., and you (either an individual or a legal entity) ("Licensee") for the Licensed Software (as defined below).

1.DEFINITIONS

"Affiliate" of a Party shall mean an entity (i) which is directly or indirectly controlling such Party; (ii) which is under the same direct or indirect ownership or control as such Party; or (iii) which is directly or indirectly owned or controlled by such Party. For these purposes, an entity shall be treated as being controlled by another if that other entity has fifty percent (50 %) or more of the votes in such entity, is able to direct its affairs and/or to control the composition of its board of directors or equivalent body.

"Applications" shall mean Licensee's software products created using the Licensed Software which may include portions of the Licensed Software.

"Deployment Platforms" shall mean the Embedded Linux, Windows(R) CE and Windows Mobile operating system(s).

"Designated User(s)" shall mean the employee(s) of Licensee acting within the scope of their employment or Licensee's consultant(s) or contractor(s) acting within the scope of their services for Licensee and on behalf of Licensee.

"Initial Term" shall mean the period of time one (1) year from the later of (a) the Effective Date; or (b) the date the Licensed Software was initially delivered to Licensee by Nokia. If no specific Effective Date is set forth in the Agreement, the Effective Date shall be deemed to be the date the Licensed Software was initially delivered to Licensee.

"License Certificate" shall mean the document accompanying the Licensed Software which specifies the modules which are licensed under the Agreement, Platforms and Designated Users.

"Licensed Software" shall mean the computer software, "online" or electronic documentation, associated media and printed materials, including the source code, example programs and the documentation delivered by Nokia to Licensee in conjunction with this Agreement. Licensed Software does not include Third Party Software (as defined in Section 7).

"Modified Software" shall mean modifications made to the Licensed Software by Licensee.

"Party" or "Parties" shall mean Licensee and/or Nokia.

"Platforms" shall mean the operating system(s) listed in the License Certificate.

"Redistributables" shall mean the portions of the Licensed Software set forth in Appendix 1, Section 1 that may be distributed with or as part of Applications in object code form.

"Support" shall mean standard developer support that is provided by Nokia to assist eligible Designated Users in using the Licensed Software in accordance with its established standard support procedures listed at: http://qt.nokia.com/support-services/files/standardsupport-TermsandConditions.pdf.
“Updates” shall mean a release or version of the Licensed Software containing enhancements, new features, bug fixes, error corrections and other changes that are generally made available to users of the Licensed Software that have contracted for maintenance and support.

2. OWNERSHIP

The Licensed Software is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Licensed Software is licensed, not sold.

Nokia shall own all right, title and interest including the intellectual property rights in and to the information on bug fixes or error corrections relating to the Licensed Software that are submitted by Licensee to Nokia as well as any intellectual property rights to the correction of any errors, if any. To the extent any rights do not automatically vest in Nokia, Licensee assigns, and shall ensure that all of its Affiliates, agents, subcontractors and employees assign, all such rights to Nokia. All Nokia's and/or its licensors' trademarks, service marks, trade names, logos or other words or symbols are and shall remain the exclusive property of Nokia or its licensors respectively.

3. MODULES

Some of the files in the Licensed Software have been grouped into Modules. These files contain specific notices defining the Module of which they are a part. The Modules licensed to Licensee are specified in the License Certificate accompanying the Licensed Software. The terms of the License Certificate are considered part of the Agreement. In the event of inconsistency or conflict between the language of this Agreement and the License Certificate, the provisions of this Agreement shall govern.

4. VALIDITY OF THE AGREEMENT

By installing, copying, or otherwise using the Licensed Software, Licensee agrees to be bound by the terms of this Agreement. If Licensee does not agree to the terms of this Agreement, Licensee should not install, copy, or otherwise use the Licensed Software. In addition, by installing, copying, or otherwise using any Updates or other components of the Licensed Software that Licensee receives separately as part of the Licensed Software, Licensee agrees to be bound by any additional license terms that accompany such Updates, if any. If Licensee does not agree to the additional license terms that accompany such Updates, Licensee should not install, copy, or otherwise use such Updates.

Upon Licensee's acceptance of the terms and conditions of this Agreement, Nokia grants Licensee the right to use the Licensed Software in the manner provided below.

5. LICENSES

5.1 Using, Modifying and Copying

Nokia grants to Licensee a non-exclusive, non-transferable, perpetual license to use, modify and copy the Licensed Software for Designated Users specified in the License Certificate for the sole purposes of:
(i) designing, developing, and testing Application(s);

(ii) modifying the Licensed Software as limited by section 8 below; and

(iii) compiling the Licensed Software and/or Modified Software source code into object code.

Licensee may install copies of the Licensed Software on an unlimited number of computers provided that only the Designated Users use the Licensed Software. Licensee may at any time designate another Designated User to replace a then-current Designated User by notifying Nokia, provided that a) the then-current Designated User has not been designated as a replacement during the last six (6) months; and b) there is no more than the specified number of Designated Users at any given time.

5.2 Limited Redistribution

a) Nokia grants Licensee a non-exclusive, royalty-free right to reproduce and distribute the object code form of Redistributables (listed in Appendix 1, Section 1) for execution on the specified Platforms, excluding the Deployment Platforms. Copies of Redistributables may only be distributed with and for the sole purpose of executing Applications permitted under this Agreement that Licensee has created using the Licensed Software. Under no circumstances may any copies of Redistributables be distributed separately. This Agreement does not give Licensee any rights to distribute any of the parts of the Licensed Software listed in Appendix 1, Section 2, neither as a whole nor as parts or snippets of code.

b) Licensee may not distribute, transfer, assign or otherwise dispose of Applications and/or Redistributables, in binary/compiled form, or in any other form, if such action is part of a joint software and hardware distribution, except as provided by a separate runtime distribution license with Nokia or one of its authorized distributors. A joint hardware and software distribution shall be defined as either:

(i) distribution of a hardware device where, in its final end user configuration, the main user interface of the device is provided by Application(s) created by Licensee or others, using a commercial version of a Qt or Qt-based product, and depends on the Licensed Software or an open source version of any Qt or Qt-based software product; or

(ii) distribution of the Licensed Software with a device designed to facilitate the installation of the Licensed Software onto the same device where the main user interface of such device is provided by Application(s) created by Licensee or others, using a commercial version of a Qt or Qt-based product, and depends on the Licensed Software.

c) Licensee's distribution of Licensed Software and/or Modified Software or Applications on Deployment Platforms requires a separate distribution license from Nokia. Notwithstanding the above limitation, Licensee may distribute the Application in binary/compiled form onto devices running Windows CE/Windows Mobile or Symbian, provided the core functionality of the device does not depend on either the Licensed Software or the Application.

5.3 Further Requirements

The licenses granted in this Section 5 by Nokia to Licensee are subject to Licensee's compliance with Section 8 of this Agreement.

6. VERIFICATION
Nokia or a certified auditor on Nokia's behalf, may, upon its reasonable request and at its expense, audit Licensee with respect to the use of the Licensed Software. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. Nokia will not remove, copy, or redistribute any electronic material during the course of an audit. If an audit reveals that Licensee is using the Licensed Software in a way that is in material violation of the terms of the Agreement, then Licensee shall pay Nokia's reasonable costs of conducting the audit. In the case of a material violation, Licensee agrees to pay Nokia any amounts owing that are attributable to the unauthorized use. In the alternative, Nokia reserves the right, at Nokia's sole option, to terminate the licenses for the Licensed Software.

7. THIRD PARTY SOFTWARE

The Licensed Software may provide links to third party libraries or code (collectively "Third Party Software") to implement various functions. Third Party Software does not comprise part of the Licensed Software. In some cases, access to Third Party Software may be included along with the Licensed Software delivery as a convenience for development and testing only. Such source code and libraries may be listed in the "/src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software where the Third Party Software is used, as may be amended from time to time, do not comprise the Licensed Software. Licensee acknowledges (i) that some part of Third Party Software may require additional licensing of copyright and patents from the owners of such, and (ii) that distribution of any of the Licensed Software referencing any portion of a Third Party Software may require appropriate licensing from such third parties.

8. CONDITIONS FOR CREATING APPLICATIONS

The licenses granted in this Agreement for Licensee to create, modify and distribute Applications is subject to all of the following conditions: (i) all copies of the Applications Licensee creates must bear a valid copyright notice either Licensee's own or the copyright notice that appears on the Licensed Software; (ii) Licensee may not remove or alter any copyright, trademark or other proprietary rights notice contained in any portion of the Licensed Software including but not limited to the About Boxes; (iii) Licensee will indemnify and hold Nokia, its Affiliates, contractors, and its suppliers, harmless from and against any claims or liabilities arising out of the use, reproduction or distribution of Applications; (iv) Applications must be developed using a licensed, registered copy of the Licensed Software; (v) Applications must add primary and substantial functionality to the Licensed Software; (vi) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software; however Licensee may use the Licensed Software's scripting functionality solely in order to enable scripting that augments the functionality of the Application(s) without adding primary and substantial functionality to the Application(s); (vii) Licensee may create Modified Software that breaks the source or binary compatibility with the Licensed Software. This includes, but is not limited to, changing the application programming interfaces ("API") by adding, changing or deleting any variable, method, or class signature in the Licensed Software, the inter-process QCop specification, and/or any inter-process protocols, services or standards in the Licensed Software libraries. To the extent that Licensee breaks source or binary compatibility with the Licensed Software, Licensee acknowledges that Nokia's ability to provide Support may be prevented or limited and Licensee's ability to make use of Updates may be restricted; (viii) Applications may not compete with the Licensed Software; (ix) Licensee may not use Nokia's or any of its suppliers' names, logos, or trademarks to market Applications, except to state that Licensee's Application(s) was developed using the Licensed Software.

NOTE: The Open Source Editions of Nokia's Qt products and the Qt, Qtopia and Qt Extended versions previously
9. LIMITED WARRANTY AND WARRANTY DISCLAIMER

Nokia hereby represents and warrants with respect to the Licensed Software that it has the power and authority to grant the rights and licenses granted to Licensee under this Agreement. Except as set forth above, the Licensed Software is licensed to Licensee "as is". To the maximum extent permitted by applicable law, Nokia on behalf of itself and its suppliers, disclaims all warranties and conditions, either express or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose, title and non-infringement with regard to the Licensed Software.

10. LIMITATION OF LIABILITY

If, Nokia's warranty disclaimer notwithstanding, Nokia is held to be liable to Licensee whether in contract, tort, or any other legal theory, based on the Licensed Software, Nokia's entire liability to Licensee and Licensee's exclusive remedy shall be, at Nokia's option, either (a) return of the price Licensee paid for the Licensed Software, or (b) repair or replacement of the Licensed Software, provided Licensee returns to Nokia all copies of the Licensed Software as originally delivered to Licensee. Nokia shall not under any circumstances be liable to Licensee based on failure of the Licensed Software if the failure resulted from accident, abuse or misapplication, nor shall Nokia, under any circumstances, be liable for special damages, punitive or exemplary damages, damages for loss of profits or interruption of business or for loss or corruption of data. Any award of damages from Nokia to Licensee shall not exceed the total amount Licensee has paid to Nokia in connection with this Agreement.

11. SUPPORT AND UPDATES

Licensee will be eligible to receive Support and Updates during the Initial Term, in accordance with Nokia's then current policies and procedures, if any. Such policies and procedures may be changed from time to time. Following the Initial Term, Nokia shall no longer make the Licensed Software available to Licensee unless Licensee purchases additional Support and Updates according to this Section 11 below.

Licensee may purchase additional Support and Updates following the Initial Term at Nokia's terms and conditions applicable at the time of renewal.

12. CONFIDENTIALITY

Each party acknowledges that during the Initial Term of this Agreement it shall have access to information about the
other party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other party, and the value of which would be significantly reduced if disclosed to third parties (the "Confidential Information"). Accordingly, when a party (the "Receiving Party") receives Confidential Information from another party (the "Disclosing Party"), the Receiving Party shall, and shall obligate its employees and agents and employees and agents of its affiliates to: (i) maintain the Confidential Information in strict confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each party shall take reasonable measures to protect the Confidential Information of the other party, which measures shall not be less than the measures taken by such party to protect its own confidential and proprietary information.

"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by the Receiving Party without access to the Confidential Information of the Disclosing Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means.

The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Nokia and Licensee conflict with the terms of this Section 12, this Section 12 shall be controlling over the terms of the Non-Disclosure Agreement.

13. GENERAL PROVISIONS

13.1 Marketing

Nokia may include Licensee's company name and logo in a publicly available list of Nokia customers and in its public communications.

13.2 No Assignment

Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Nokia, which shall not be unreasonably withheld.

13.3 Termination

Nokia may terminate the Agreement at any time immediately upon written notice by Nokia to Licensee if Licensee breaches this Agreement.

Either party shall have the right to terminate this Agreement immediately upon written notice in the event that the
other party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other party.

Upon termination of the Licenses, Licensee shall return to Nokia all copies of Licensed Software that were supplied by Nokia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Nokia a written confirmation that this has occurred.

13.4 Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections 2, 5.1, 6, 7, 8(iii), 10, 12, 13.5, 13.6, 13.9, 13.10, and 13.11 shall survive the termination of the Agreement. Notwithstanding the foregoing, Section 5.1 shall not survive if the Agreement is terminated for material breach.

13.5 Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Nokia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

13.6 Payment and Taxes

If credit has been extended to Licensee by Nokia, all payments under this Agreement are due within thirty (30) days of the date Nokia mails its invoice to Licensee. If Nokia has not extended credit to Licensee, Licensee shall be required to make payment concurrent with the delivery of the Licensed Software by Nokia. All amounts payable are gross amounts but exclusive of any value added tax, use tax, sales tax or similar tax. Licensee shall be entitled to withhold from payments any applicable withholding taxes and comply with all applicable tax and employment legislation. Each party shall pay all taxes (including, but not limited to, taxes based upon its income) or levies imposed on it under applicable laws, regulations and tax treaties as a result of this Agreement and any payments made hereunder (including those required to be withheld or deducted from payments). Each party shall furnish evidence of such paid taxes as is sufficient to enable the other party to obtain any credits available to it, including original withholding tax certificates.

13.7 Force Majeure

Neither party shall be liable to the other for any delay or non-performance of its obligations hereunder other than the obligation of paying the license fees in the event and to the extent that such delay or non-performance is due to an event of Force Majeure (as defined below). If any event of Force Majeure results in a delay or non-performance of a party for a period of three (3) months or longer, then either party shall have the right to terminate this Agreement.
with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other party. A “Force Majeure” event shall mean an act of God, terrorist attack or other catastrophic event of nature that prevents either party for fulfilling its obligations under this Agreement.

13.8 Notices

Any notice given by one party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified below. Each communication and document made or delivered by one party to the other party pursuant to this Agreement shall be in the English language or accompanied by a translation thereof.

Notices to Nokia shall be given to:

Nokia, Inc.
555 Twin Dolphin Drive, Suite 280
Redwood City, CA 94065 U.S.A.
Fax: +1 650 551 1851

13.9 Export Control

Licensee acknowledges that the Licensed Software may be subject to export control restrictions of various countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the importation of the Licensed Software and/or Modified Software and/or Applications and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Licensed Software, Modified Software or Applications.

13.10 Governing Law and Legal Venue

This Agreement shall be governed by and construed in accordance with the federal laws of the United States of America and the internal laws of the State of New York without given effect to any choice of law rule that would result in the application of the laws of any other jurisdiction. The United Nations Convention on Contracts for the International Sale of Goods (CISG) shall not apply. Each Party (a) hereby irrevocably submits itself to and consents to the jurisdiction of the United States District Court for the Southern District of New York (or if such court lacks jurisdiction, the state courts of the State of New York) for the purposes of any action, claim, suit or proceeding between the Parties in connection with any controversy, claim, or dispute arising out of or relating to this Agreement; and (b) hereby waives, and agrees not to assert by way of motion, as a defense or otherwise, in any such action, claim, suit or proceeding, any claim that is not personally subject to the jurisdiction of such court(s), that the action, claim, suit or proceeding is brought in an inconvenient forum or that the venue of the action, claim, suit or proceeding is improper. Notwithstanding the foregoing, nothing in this Section 13.10 is intended to, or shall be deemed to, constitute a submission or consent to, or selection of, jurisdiction, forum or venue for any action for patent infringement, whether or not such action relates to this Agreement.

13.11 No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those
expressly granted hereunder, shall remain with Nokia and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software and/ Modified Software, as applicable, with any other software or hardware not delivered by Nokia under this Agreement.

13.11 Government End Users

A "U.S. Government End User" shall mean any agency or entity of the government of the United States. The following shall apply if Licensee is a U.S. Government End User. The Licensed Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation," as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire the Licensed Software with only those rights set forth herein. The Licensed Software (including related documentation) is provided to U.S. Government End Users: (a) only as a commercial end item; and (b) only pursuant to this Agreement.
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

IBM Courier - Copyright (c) IBM Corporation 1990, 1991

You are hereby granted permission under the terms of the IBM/MIT X Consortium Courier Typefont agreement to execute, reproduce, distribute, display, market, sell and otherwise transfer copies of the IBM Courier font to third parties.

The font is provided "AS IS" without charge. NO WARRANTIES OR INDEMNIFICATION ARE GIVEN, WHETHER EXPRESS OR IMPLIED INCLUDING, BUT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Copyright (c) 1988-1997 Sam Leffler
Copyright (c) 1991-1997 Silicon Graphics, Inc.

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that (i) the above copyright notices and this permission notice appear in all copies of the software and related documentation, and (ii) the names of Sam Leffler and Silicon Graphics may not be used in any advertising or publicity relating to the software without the specific, prior written permission of Sam Leffler and Silicon Graphics.

THE SOFTWARE IS PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL SAM LEFFLER OR SILICON GRAPHICS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF DAMAGE, AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Qt All Operating Systems Commercial Developer License Agreement
Agreement version 1.2

This Qt All Operating Systems Commercial Developer License Agreement ("Agreement") is a legal agreement between Nokia Corporation ("Nokia") with its registered office at Keilalahdentie 4, 02150 Espoo, Finland, and you (either an individual or a legal entity) ("Licensee") for the Licensed Software (as defined below).

1.DEFINITIONS

"Affiliate" of a Party shall mean an entity (i) which is directly or indirectly controlling such Party; (ii) which is under the same direct or indirect ownership or control as such Party; or (iii) which is directly or indirectly owned or controlled by such Party. For these purposes, an entity shall be treated as being controlled by another if that other
entity has fifty percent (50 %) or more of the votes in such entity, is able to direct its affairs and/or to control the composition of its board of directors or equivalent body.

"Applications" shall mean Licensee's software products created using the Licensed Software which may include portions of the Licensed Software.

"Deployment Platforms" shall mean the Embedded Linux, Windows(R) CE and Windows Mobile operating system(s).

"Designated User(s)" shall mean the employee(s) of Licensee acting within the scope of their employment or Licensee's consultant(s) or contractor(s) acting within the scope of their services for Licensee and on behalf of Licensee.

"Initial Term" shall mean the period of time one (1) year from the later of (a) the Effective Date; or (b) the date the Licensed Software was initially delivered to Licensee by Nokia. If no specific Effective Date is set forth in the Agreement, the Effective Date shall be deemed to be the date the Licensed Software was initially delivered to Licensee.

"License Certificate" shall mean the document accompanying the Licensed Software which specifies the modules which are licensed under the Agreement, Platforms and Designated Users.

"Licensed Software" shall mean the computer software, "online" or electronic documentation, associated media and printed materials, including the source code, example programs and the documentation delivered by Nokia to Licensee in conjunction with this Agreement. Licensed Software does not include Third Party Software (as defined in Section 7).

"Modified Software" shall mean modifications made to the Licensed Software by Licensee.

"Party" or "Parties" shall mean Licensee and/or Nokia.

"Platforms" shall mean the operating system(s) listed in the License Certificate.

"Redistributables" shall mean the portions of the Licensed Software set forth in Appendix 1, Section 1 that may be distributed with or as part of Applications in object code form.

"Support" shall mean standard developer support that is provided by Nokia to assist eligible Designated Users in using the Licensed Software in accordance with its established standard support procedures listed at: http://qt.nokia.com/support-services/files/standardsupport-TermsandConditions.pdf.

"Updates" shall mean a release or version of the Licensed Software containing enhancements, new features, bug fixes, error corrections and other changes that are generally made available to users of the Licensed Software that have contracted for maintenance and support.

2. OWNERSHIP

The Licensed Software is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Licensed Software is licensed, not sold.
Nokia shall own all right, title and interest including the intellectual property rights in and to the information on bug fixes or error corrections relating to the Licensed Software that are submitted by Licensee to Nokia as well as any intellectual property rights to the correction of any errors, if any. To the extent any rights do not automatically vest in Nokia, Licensee assigns, and shall ensure that all of its Affiliates, agents, subcontractors and employees assign, all such rights to Nokia. All Nokia's and/or its licensors' trademarks, service marks, trade names, logos or other words or symbols are and shall remain the exclusive property of Nokia or its licensors respectively.

3. MODULES

Some of the files in the Licensed Software have been grouped into Modules. These files contain specific notices defining the Module of which they are a part. The Modules licensed to Licensee are specified in the License Certificate accompanying the Licensed Software. The terms of the License Certificate are considered part of the Agreement. In the event of inconsistency or conflict between the language of this Agreement and the License Certificate, the provisions of this Agreement shall govern.

4. VALIDITY OF THE AGREEMENT

By installing, copying, or otherwise using the Licensed Software, Licensee agrees to be bound by the terms of this Agreement. If Licensee does not agree to the terms of this Agreement, Licensee should not install, copy, or otherwise use the Licensed Software. In addition, by installing, copying, or otherwise using any Updates or other components of the Licensed Software that Licensee receives separately as part of the Licensed Software, Licensee agrees to be bound by any additional license terms that accompany such Updates, if any. If Licensee does not agree to the additional license terms that accompany such Updates, Licensee should not install, copy, or otherwise use such Updates.

Upon Licensee's acceptance of the terms and conditions of this Agreement, Nokia grants Licensee the right to use the Licensed Software in the manner provided below.

5. LICENSES

5.1 Using, Modifying and Copying

Nokia grants to Licensee a non-exclusive, non-transferable, perpetual license to use, modify and copy the Licensed Software for Designated Users specified in the License Certificate for the sole purposes of:

(i) designing, developing, and testing Application(s);

(ii) modifying the Licensed Software as limited by section 8 below; and

(iii) compiling the Licensed Software and/or Modified Software source code into object code.

Licensee may install copies of the Licensed Software on an unlimited number of computers provided that only the Designated Users use the Licensed Software. Licensee may at any time designate another Designated User to replace a then-current Designated User by notifying Nokia, provided that a) the then-current Designated User has
not been designated as a replacement during the last six (6) months; and b) there is no more than the specified number of Designated Users at any given time.

5.2 Limited Redistribution

a) Nokia grants Licensee a non-exclusive, royalty-free right to reproduce and distribute the object code form of Redistributables (listed in Appendix 1, Section 1) for execution on the specified Platforms, excluding the Deployment Platforms. Copies of Redistributables may only be distributed with and for the sole purpose of executing Applications permitted under this Agreement that Licensee has created using the Licensed Software. Under no circumstances may any copies of Redistributables be distributed separately. This Agreement does not give Licensee any rights to distribute any of the parts of the Licensed Software listed in Appendix 1, Section 2, neither as a whole nor as parts or snippets of code.

b) Licensee may not distribute, transfer, assign or otherwise dispose of Applications and/or Redistributables, in binary/compiled form, or in any other form, if such action is part of a joint software and hardware distribution, except as provided by a separate runtime distribution license with Nokia or one of its authorized distributors. A joint hardware and software distribution shall be defined as either:

(i) distribution of a hardware device where, in its final end user configuration, the main user interface of the device is provided by Application(s) created by Licensee or others, using a commercial version of a Qt or Qt-based product, and depends on the Licensed Software or an open source version of any Qt or Qt-based software product; or

(ii) distribution of the Licensed Software with a device designed to facilitate the installation of the Licensed Software onto the same device where the main user interface of such device is provided by Application(s) created by Licensee or others, using a commercial version of a Qt or Qt-based product, and depends on the Licensed Software.

c) Licensee's distribution of Licensed Software and/or Modified Software or Applications on Deployment Platforms requires a separate distribution license from Nokia. Notwithstanding the above limitation, Licensee may distribute the Application in binary/compiled form onto devices running Windows CE/Windows Mobile or Symbian, provided the core functionality of the device does not depend on either the Licensed Software or the Application.

5.3 Further Requirements

The licenses granted in this Section 5 by Nokia to Licensee are subject to Licensee's compliance with Section 8 of this Agreement.

6. VERIFICATION

Nokia or a certified auditor on Nokia's behalf, may, upon its reasonable request and at its expense, audit Licensee with respect to the use of the Licensed Software. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. Nokia will not remove, copy, or redistribute any electronic material during the course of an audit. If an audit reveals that Licensee is using the Licensed Software in a way that is in material violation of the terms of the Agreement, then Licensee shall pay Nokia's reasonable costs of conducting the audit. In the case of a material violation, Licensee agrees to pay Nokia any amounts owing that are attributable to the unauthorized use. In the alternative, Nokia reserves the right, at Nokia's sole option, to terminate the licenses for the Licensed Software.
7. THIRD PARTY SOFTWARE

The Licensed Software may provide links to third party libraries or code (collectively "Third Party Software") to implement various functions. Third Party Software does not comprise part of the Licensed Software. In some cases, access to Third Party Software may be included along with the Licensed Software delivery as a convenience for development and testing only. Such source code and libraries may be listed in the "../src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software where the Third Party Software is used, as may be amended from time to time, do not comprise the Licensed Software. Licensee acknowledges (i) that some part of Third Party Software may require additional licensing of copyright and patents from the owners of such, and (ii) that distribution of any of the Licensed Software referencing any portion of a Third Party Software may require appropriate licensing from such third parties.

8. CONDITIONS FOR CREATING APPLICATIONS

The licenses granted in this Agreement for Licensee to create, modify and distribute Applications is subject to all of the following conditions: (i) all copies of the Applications Licensee creates must bear a valid copyright notice either Licensee's own or the copyright notice that appears on the Licensed Software; (ii) Licensee may not remove or alter any copyright, trademark or other proprietary rights notice contained in any portion of the Licensed Software including but not limited to the About Boxes; (iii) Licensee will indemnify and hold Nokia, its Affiliates, contractors, and its suppliers, harmless from and against any claims or liabilities arising out of the use, reproduction or distribution of Applications; (iv) Applications must be developed using a licensed, registered copy of the Licensed Software; (v) Applications must add primary and substantial functionality to the Licensed Software; (vi) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software; however Licensee may use the Licensed Software's scripting functionality solely in order to enable scripting that augments the functionality of the Application(s) without adding primary and substantial functionality to the Application(s); (vii) Licensee may create Modified Software that breaks the source or binary compatibility with the Licensed Software. This includes, but is not limited to, changing the application programming interfaces ("API") by adding, changing or deleting any variable, method, or class signature in the Licensed Software, the inter-process QCop specification, and/or any inter-process protocols, services or standards in the Licensed Software libraries. To the extent that Licensee breaks source or binary compatibility with the Licensed Software, Licensee acknowledges that Nokia's ability to provide Support may be prevented or limited and Licensee's ability to make use of Updates may be restricted; (viii) Applications may not compete with the Licensed Software; (ix) Licensee may not use Nokia's or any of its suppliers' names, logos, or trademarks to market Applications, except to state that Licensee's Application(s) was developed using the Licensed Software.

NOTE: The Open Source Editions of Nokia's Qt products and the Qt, Qtopia and Qt Extended versions previously licensed by Trolltech (collectively referred to as "Products") are licensed under the terms of the GNU Lesser General Public License version 2.1 ("LGPL") and/or the GNU General Public License versions 2.0 and 3.0 ("GPL") (as applicable) and not under this Agreement. If Licensee, or another third party, has, at any time, developed all (or any portions of) the Application(s) using a version of one of these Products licensed under the LGPL or the GPL, Licensee may not combine such development work with the Licensed Software and must license such Application(s) (or any portions derived there from) under the terms of the GNU Lesser General Public License version 2.1 (Qt only) or GNU General Public License version 2.0 (Qt, Qtopia and Qt Extended) or version 3 (Qt only) copies of which are located at http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html, http://www.fsf.org/licensing/licenses/info/GPLv2.html, and http://www.gnu.org/copyleft/gpl.html.
9. LIMITED WARRANTY AND WARRANTY DISCLAIMER

Nokia hereby represents and warrants with respect to the Licensed Software that it has the power and authority to grant the rights and licenses granted to Licensee under this Agreement. Except as set forth above, the Licensed Software is licensed to Licensee "as is". To the maximum extent permitted by applicable law, Nokia on behalf of itself and its suppliers, disclaims all warranties and conditions, either express or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose, title and non-infringement with regard to the Licensed Software.

10. LIMITATION OF LIABILITY

If, Nokia's warranty disclaimer notwithstanding, Nokia is held to be liable to Licensee whether in contract, tort, or any other legal theory, based on the Licensed Software, Nokia's entire liability to Licensee and Licensee's exclusive remedy shall be, at Nokia's option, either (a) return of the price Licensee paid for the Licensed Software, or (b) repair or replacement of the Licensed Software, provided Licensee returns to Nokia all copies of the Licensed Software as originally delivered to Licensee. Nokia shall not under any circumstances be liable to Licensee based on failure of the Licensed Software if the failure resulted from accident, abuse or misapplication, nor shall Nokia, under any circumstances, be liable for special damages, punitive or exemplary damages, damages for loss of profits or interruption of business or for loss or corruption of data. Any award of damages from Nokia to Licensee shall not exceed the total amount Licensee has paid to Nokia in connection with this Agreement.

11. SUPPORT AND UPDATES

Licensee will be eligible to receive Support and Updates during the Initial Term, in accordance with Nokia's then current policies and procedures, if any. Such policies and procedures may be changed from time to time. Following the Initial Term, Nokia shall no longer make the Licensed Software available to Licensee unless Licensee purchases additional Support and Updates according to this Section 11 below.

Licensee may purchase additional Support and Updates following the Initial Term at Nokia's terms and conditions applicable at the time of renewal.

12. CONFIDENTIALITY

Each party acknowledges that during the Initial Term of this Agreement it shall have access to information about the other party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other party, and the value of which would be significantly reduced if disclosed to third parties (the "Confidential Information"). Accordingly, when a party (the "Receiving Party") receives Confidential Information from another party (the "Disclosing Party"), the Receiving Party shall, and shall obligate its employees and agents and employees and agents of its affiliates to: (i) maintain the Confidential Information in strict confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each party shall take reasonable measures to protect the Confidential Information
Information of the other party, which measures shall not be less than the measures taken by such party to protect its own confidential and proprietary information.

“Confidential Information” shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party’s lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by the Receiving Party without access to the Confidential Information of the Disclosing Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means.

The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Nokia and Licensee conflict with the terms of this Section 12, this Section 12 shall be controlling over the terms of the Non-Disclosure Agreement.

13. GENERAL PROVISIONS

13.1 Marketing

Nokia may include Licensee's company name and logo in a publicly available list of Nokia customers and in its public communications.

13.2 No Assignment

Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Nokia, which shall not be unreasonably withheld.

13.3 Termination

Nokia may terminate the Agreement at any time immediately upon written notice by Nokia to Licensee if Licensee breaches this Agreement.

Either party shall have the right to terminate this Agreement immediately upon written notice in the event that the other party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other party.

Upon termination of the Licenses, Licensee shall return to Nokia all copies of Licensed Software that were supplied by Nokia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Nokia a written confirmation that this has occurred.
13.4 Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections 2, 5.1, 6, 7, 8(iii), 10, 12, 13.5, 13.6, 13.9, 13.10, and 13.11 shall survive the termination of the Agreement. Notwithstanding the foregoing, Section 5.1 shall not survive if the Agreement is terminated for material breach.

13.5 Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Nokia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

13.6 Payment and Taxes

If credit has been extended to Licensee by Nokia, all payments under this Agreement are due within thirty (30) days of the date Nokia mails its invoice to Licensee. If Nokia has not extended credit to Licensee, Licensee shall be required to make payment concurrent with the delivery of the Licensed Software by Nokia. All amounts payable are gross amounts but exclusive of any value added tax, use tax, sales tax or similar tax. Licensee shall be entitled to withhold from payments any applicable withholding taxes and comply with all applicable tax and employment legislation. Each party shall pay all taxes (including, but not limited to, taxes based upon its income) or levies imposed on it under applicable laws, regulations and tax treaties as a result of this Agreement and any payments made hereunder (including those required to be withheld or deducted from payments). Each party shall furnish evidence of such paid taxes as is sufficient to enable the other party to obtain any credits available to it, including original withholding tax certificates.

13.7 Force Majeure

Neither party shall be liable to the other for any delay or non-performance of its obligations hereunder other than the obligation of paying the license fees in the event and to the extent that such delay or non-performance is due to an event of Force Majeure (as defined below). If any event of Force Majeure results in a delay or non-performance of a party for a period of three (3) months or longer, then either party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other party. A "Force Majeure" event shall mean an act of God, terrorist attack or other catastrophic event of nature that prevents either party for fulfilling its obligations under this Agreement.

13.8 Notices

Any notice given by one party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving party in writing or when successfully delivered to the recipient by hand, fax, or
special courier during normal business hours on a business day to the addresses specified below. Each communication and document made or delivered by one party to the other party pursuant to this Agreement shall be in the English language or accompanied by a translation thereof.

Notices to Nokia shall be given to:

Nokia Norge AS
Sandakerveien 116
NO-0484 Oslo, Norway
Fax: +47 21 69 48 02

13.9 Export Control

Licensee acknowledges that the Licensed Software may be subject to export control restrictions of various countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the importation of the Licensed Software and/or Modified Software and/or Applications and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Licensed Software, Modified Software or Applications.

13.10 Governing Law and Legal Venue

This Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions. Any disputes arising out of or relating to this Agreement shall be resolved in arbitration under the Rules of Arbitration of the Chamber of Commerce of Helsinki, Finland. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language.

13.11 No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with Nokia and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software and/or Modified Software, as applicable, with any other software or hardware not delivered by Nokia under this Agreement.

THE REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK.

Appendix 1

1. Parts of the Licensed Software that are permitted for distribution ("Redistributables")

- The Licensed Software's main and plug-in libraries in object code form
- The Licensed Software's configuration tool ("qtconfig")
- The Licensed Software's help tool in object code/executable form ("Qt Assistant")
- The Licensed Software's internationalization tools in object code/executable form ("Qt Linguist", "lupdate", "lrelease")
- The Licensed Software's designer tool ("Qt Designer")
- The Licensed Software's IDE tool ("Qt Creator")

2. Parts of the Licensed Software that are not permitted for distribution include, but are not limited to

- The Licensed Software's source code and header files
- The Licensed Software's documentation
- The Licensed Software's tool for writing makefiles ("qmake")
- The Licensed Software's Meta Object Compiler ("moc")
- The Licensed Software's User Interface Compiler ("uic" or in the case of Qt Jambi: "juic")
- The Licensed Software's Resource Compiler ("rcc")
- The Licensed Software's generator (only in the case of Qt Jambi if applicable)
- The Licensed Software's Qt SDK

The FreeType Project LICENSE
----------------------------

2006-Jan-27

Copyright 1996-2002, 2006 by
David Turner, Robert Wilhelm, and Werner Lemberg

Introduction
============

The FreeType Project is distributed in several archive packages; some of them may contain, in addition to the FreeType font engine, various tools and contributions which rely on, or relate to, the FreeType Project.

This license applies to all files found in such packages, and which do not fall under their own explicit license. The license affects thus the FreeType font engine, the test programs, documentation and makefiles, at the very least.

This license was inspired by the BSD, Artistic, and IJG (Independent JPEG Group) licenses, which all encourage inclusion and use of free software in commercial and freeware products alike. As a consequence, its main points are that:

- We don't promise that this software works. However, we will be interested in any kind of bug reports. (as is' distribution)
- You can use this software for whatever you want, in parts or
full form, without having to pay us. (‘royalty-free’ usage)

You may not pretend that you wrote this software. If you use it, or only parts of it, in a program, you must acknowledge somewhere in your documentation that you have used the FreeType code. (‘credits’)

We specifically permit and encourage the inclusion of this software, with or without modifications, in commercial products. We disclaim all warranties covering The FreeType Project and assume no liability related to The FreeType Project.

Finally, many people asked us for a preferred form for a credit/disclaimer to use in compliance with this license. We thus encourage you to use the following text:

```---
Portions of this software are copyright <year> The FreeType Project (www.freetype.org). All rights reserved.
---
```

Please replace `<year>` with the value from the FreeType version you actually use.

Legal Terms
============

0. Definitions
-------------

Throughout this license, the terms `package`, `FreeType Project`, and `FreeType archive` refer to the set of files originally distributed by the authors (David Turner, Robert Wilhelm, and Werner Lemberg) as the `FreeType Project`, be they named as alpha, beta or final release.

`You` refers to the licensee, or person using the project, where `using` is a generic term including compiling the project’s source code as well as linking it to form a `program` or `executable`. This program is referred to as a `program using the FreeType engine`.

This license applies to all files distributed in the original FreeType Project, including all source code, binaries and documentation, unless otherwise stated in the file in its original, unmodified form as distributed in the original archive.
If you are unsure whether or not a particular file is covered by this license, you must contact us to verify this.

The FreeType Project is copyright (C) 1996-2000 by David Turner, Robert Wilhelm, and Werner Lemberg. All rights reserved except as specified below.

1. No Warranty
-------------
THE FREE TYPE PROJECT IS PROVIDED `AS IS' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL ANY OF THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY DAMAGES CAUSED BY THE USE OR THE INABILITY TO USE, OF THE FREE TYPE PROJECT.

2. Redistribution
-----------------
This license grants a worldwide, royalty-free, perpetual and irrevocable right and license to use, execute, perform, compile, display, copy, create derivative works of, distribute and sublicense the FreeType Project (in both source and object code forms) and derivative works thereof for any purpose; and to authorize others to exercise some or all of the rights granted herein, subject to the following conditions:

o Redistribution of source code must retain this license file ("FTL.TXT") unaltered; any additions, deletions or changes to the original files must be clearly indicated in accompanying documentation. The copyright notices of the unaltered, original files must be preserved in all copies of source files.

o Redistribution in binary form must provide a disclaimer that states that the software is based in part of the work of the FreeType Team, in the distribution documentation. We also encourage you to put an URL to the FreeType web page in your documentation, though this isn't mandatory.

These conditions apply to any software derived from or based on the FreeType Project, not just the unmodified files. If you use our work, you must acknowledge us. However, no fee need be paid to us.

3. Advertising
--------------
Neither the FreeType authors and contributors nor you shall use the name of the other for commercial, advertising, or promotional purposes without specific prior written permission.

We suggest, but do not require, that you use one or more of the following phrases to refer to this software in your documentation or advertising materials: 'FreeType Project', 'FreeType Engine', 'FreeType library', or 'FreeType Distribution'.

As you have not signed this license, you are not required to accept it. However, as the FreeType Project is copyrighted material, only this license, or another one contracted with the authors, grants you the right to use, distribute, and modify it. Therefore, by using, distributing, or modifying the FreeType Project, you indicate that you understand and accept all the terms of this license.

4. Contacts
----------

There are two mailing lists related to FreeType:

  o freetype@nongnu.org

  Discusses general use and applications of FreeType, as well as future and wanted additions to the library and distribution. If you are looking for support, start in this list if you haven't found anything to help you in the documentation.

  o freetype-devel@nongnu.org

  Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc.

Our home page can be found at

http://www.freetype.org

--- end of FTL.TXT ---

This copy of the libpng notices is provided for your convenience. In case of any discrepancy between this copy and the notices in the file png.h that is included in the libpng distribution, the latter shall prevail.

COPYRIGHT NOTICE, DISCLAIMER, and LICENSE:
If you modify libpng you may insert additional notices immediately following this sentence.

This code is released under the libpng license.

libpng versions 1.2.6, August 15, 2004, through 1.2.40, September 10, 2009, are Copyright (c) 2004, 2006-2009 Glenn Randers-Pehrson, and are distributed according to the same disclaimer and license as libpng-1.2.5 with the following individual added to the list of Contributing Authors

   Cosmin Truta

libpng versions 1.0.7, July 1, 2000, through 1.2.5 - October 3, 2002, are Copyright (c) 2000-2002 Glenn Randers-Pehrson, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors

   Simon-Pierre Cadieux
   Eric S. Raymond
   Gilles Vollant

and with the following additions to the disclaimer:

   There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998, 1999 Glenn Randers-Pehrson, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

   Tom Lane
   Glenn Randers-Pehrson
   Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are Copyright (c) 1996, 1997 Andreas Dilger Distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors:

   John Bowler
   Kevin Bracey
   Sam Bushell
   Magnus Holmgren
libpng versions 0.5, May 1995, through 0.88, January 1996, are
Copyright (c) 1995, 1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors"
is defined as the following set of individuals:

Andreas Dilger
Dave Martindale
Guy Eric Schalnat
Paul Schmidt
Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors
and Group 42, Inc. disclaim all warranties, expressed or implied,
including, without limitation, the warranties of merchantability and of
fitness for any purpose. The Contributing Authors and Group 42, Inc.
assume no liability for direct, indirect, incidental, special, exemplary,
or consequential damages, which may result from the use of the PNG
Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this
source code, or portions hereof, for any purpose, without fee, subject
to the following restrictions:

1. The origin of this source code must not be misrepresented.

2. Altered versions must be plainly marked as such and must not
   be misrepresented as being the original source.

3. This Copyright notice may not be removed or altered from any
   source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without
fee, and encourage the use of this source code as a component to
supporting the PNG file format in commercial products. If you use this
source code in a product, acknowledgment is not required but would be
appreciated.

A "png_get_copyright" function is available, for convenient use in "about"
boxes and the like:

    printf("%s", png_get_copyright(NULL));

Also, the PNG logo (in PNG format, of course) is supplied in the
Libpng is OSI Certified Open Source Software. OSI Certified Open Source is a certification mark of the Open Source Initiative.

Glenn Randers-Pehrson
glenrp at users.sourceforge.net
September 10, 2009
This is a copy of CONTRIBUTORS file for the Pthreads-win32 library, downloaded from http://sourceware.org/cgi-bin/cvsweb.cgi/~checkout/~pthreads/CONTRIBUTORS?rev=1.32&cvsroot=pthreads-win32

Included here to compliment the Pthreads-win32 license header in wtf/ThreadingWin.cpp file. WebKit is using derived sources of ThreadCondition code from Pthreads-win32.

Contributors (in approximate order of appearance)

[See also the ChangeLog file where individuals are attributed in log entries. Likewise in the FAQ file.]

Ben Elliston
bje at cygnus dot com
Initiated the project;
setup the project infrastructure (CVS, web page, etc.);
early prototype routines.
Ross Johnson
rpj at callisto dot canberra dot edu dot au
early prototype routines;
ongoing project coordination/maintenance;
implementation of spin locks and barriers;
various enhancements;
bug fixes;
documentation;
testsuite.
Robert Colquhoun
rjc at trump dot net dot au
Early bug fixes.
John E. Bossom
John dot Bossom at cognos dot com
Contributed substantial original working implementation;
bug fixes;
ongoing guidance and standards interpretation.
Anders Norlander
anorland at hem2 dot passagen dot se
Early enhancements and runtime checking for supported Win32 routines.
Tor Lillqvist
tml at iki dot fi
General enhancements;
early bug fixes to condition variables.
Scott Lightner
scott at curriculum dot com
Bug fix.
Kevin Ruland
Various bug fixes.
Mike Russomiker
Bug fix.
Mark E. Armstrong
Bug fixes.
Lorin Hochstein
general bug fixes; bug fixes to condition variables.
Peter Slacik
Bug fixes.
Mumit Khankhan
Fixes to work with Mingw32.
Milan Gardian
Bug fixes and reports/analyses of obscure problems.
Aurelio Medina
First implementation of read-write locks.
Graham Dumpleton
Bug fix in condition variables.
Tristan Savatier
WinCE port.
Erik Hensemaerik
Bug fixes.
Rich Peters
Bug fixes.
Todd Owen
Bug fixes to dll loading.
Jason Nye
Implementation of async cancelation.
Fred Forrester
Kevin D. Clark
Bug fixes.
Paul Redondo
Bug fixes.
Jef Gearhart
Bug fix.
Arthur Kantor
Mutex enhancements.
Steven Reddies
Bug fix.
Alexander Terekho
Re-implemented and improved read-write locks;
(With Louis Thomas) re-implemented and improved
condition variables;
enhancements to semaphores;
new mutex implementation in 'futex' style;
suggested a robust implementation of pthread_once
similar to that implemented by V.Kliatchko;
system clock change handling re CV timeouts;
bug fixes.
Thomas Pfaff af gmx dot net
Changes to make C version usable with C++ applications;
re-implemented mutex routines to avoid Win32 mutexes
and TryEnterCriticalSection;
procedure to fix Mingw32 thread-safety issues.
Franco Bezfranco dot bez at gmx dot de
procedure to fix Mingw32 thread-safety issues.
Louis Thomaslthomas at arbitrade dot com
(with Alexander Terekhov) re-implemented and improved
condition variables.
David Korndgk at research dot att dot com
Ported to UWIN.
Phil Frisbie, Jr.phil at hawksoft dot com
Bug fix.
Ralf BreseRalf dot Brese at pdb4 dot siemens dot de
Bug fix.
prionx at junodot com prionx at junodot com
Bug fixes.
Max Woodbury mtew at cds dot duke dot edu
POSIX versioning conditionals;
reduced namespace pollution;
idea to separate routines to reduce statically
linked image sizes.
Rob Fannerrfanner at stonethree dot com
Bug fix.
Michael Johnson michaelj at maine dot rr dot com
Bug fix.
Nicolas Barryboozai at yahoo dot com
Bug fixes.
Piet van Bruggenpietvb at newbridges dot nl
Bug fix.
Makoto Katoraven at oldskool dot jp
AMD64 port.
Panagiotis E. Hadjidoukaspeh at hpclab dot ceid dot upatras dot gr
Contributed the QueueUserAPCEx package which
makes preemptive async cancelation possible.
Will Bryantwill dot bryant at ecosm dot com
Borland compiler patch and makefile.
Anuj Goyalanuj dot goyal at gmail dot com
Port to Digital Mars compiler.
Gottlob Fregegottlobfrege at gmail dot com
re-implemented pthread_once (version 2)
(pthread_once cancellation added by rpj).
Vladimir Kliatchkovladimir at kliatchko dot com
reimplemented pthread_once with the same form
as described by A.Terekhov (later version 2);
implementation of MCS (Mellor-Crummey/Scott) locks.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.
We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

------------------------------------------------------------------------

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated
interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

--------------------------------------------------------------------------

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any 
application-supplied function or table used by this function must 
be optional: if the application does not supply it, the square 
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If 
identifiable sections of that work are not derived from the Library, 
and can be reasonably considered independent and separate works in 
themselves, then this License, and its terms, do not apply to those 
sections when you distribute them as separate works. But when you 
distribute the same sections as part of a whole which is a work based 
on the Library, the distribution of the whole must be on the terms of 
this License, whose permissions for other licensees extend to the 
entire whole, and thus to each and every part regardless of who wrote 
it.

Thus, it is not the intent of this section to claim rights or contest 
your rights to work written entirely by you; rather, the intent is to 
exercise the right to control the distribution of derivative or 
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library 
with the Library (or with a work based on the Library) on a volume of 
a storage or distribution medium does not bring the other work under 
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public 
License instead of this License to a given copy of the Library. To do 
this, you must alter all the notices that refer to this License, so 
that they refer to the ordinary GNU General Public License, version 2, 
instead of to this License. (If a newer version than version 2 of the 
ordinary GNU General Public License has appeared, then you can specify 
that version instead if you wish.) Do not make any other change in 
these notices.

-----------------------------------------------------------------------------

Once this change is made in a given copy, it is irreversible for 
that copy, so the ordinary GNU General Public License applies to all 
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of 
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or 
derivative of it, under Section 2) in object code or executable form 
under the terms of Sections 1 and 2 above provided that you accompany 
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at runtime a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies
It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with this License.

---------------------------------------------------------------

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation: we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
Nokia Qt LGPL Exception version 1.1

As an additional permission to the GNU Lesser General Public License version 2.1, the object code form of a "work that uses the Library" may incorporate
material from a header file that is part of the Library. You may distribute such object code under terms of your choice, provided that:
(i) the header files of the Library have not been modified; and
(ii) the incorporated material is limited to numerical parameters, data structure layouts, accessors, macros, inline functions and templates; and
(iii) you comply with the terms of Section 6 of the GNU Lesser General Public License version 2.1.

Moreover, you may apply this exception to a modified version of the Library, provided that such modification does not involve copying material from the Library into the modified Library's header files unless such material is limited to (i) numerical parameters; (ii) data structure layouts;
(iii) accessors; and (iv) small macros, templates and inline functions of five lines or less in length.

Furthermore, you are not required to apply this additional permission to a modified version of the Library.

The Unifont font was originally obtained from http://www.czyborra.com/ under the following license:

All of my works you find here are freeware. You may freely copy, use, quote, modify or redistribute them as long as you properly attribute my contribution and have given a quick thought about whether Roman might perhaps be interested to read what you did with his stuff. Horizontal rules don't apply.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA

Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some
specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.
The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work
which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library’s complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.
14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
HarfBuzz was previously licensed under different licenses. This was changed in January 2008. If you need to relicense your old copies, consult the announcement of the license change on the internet. Other than that, each copy of HarfBuzz is licensed under the COPYING file included with it. The actual license follows:

Permission is hereby granted, without written agreement and without license or royalty fees, to use, copy, modify, and distribute this software and its documentation for any purpose, provided that the above copyright notice and the following two paragraphs appear in all copies of this software.

IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE COPYRIGHT HOLDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
THE COPYRIGHT HOLDER SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE COPYRIGHT HOLDER HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

/* *************************************************************************/
/* *                                                                        *
/* * COPYRIGHT NOTICE:                                                     *
/* *                                                                        *
/* * Copyright (c) 2000-2007 Gerard Juyn (gerard@libmng.com)               *
/* * [You may insert additional notices after this sentence if you modify  *
/* *  this source]                                                         *
/* *                                                                        *
/* * For the purposes of this copyright and license, "Contributing Authors" *
/* * is defined as the following set of individuals:                       *
/* *                                                                        *
/* *    Gerard Juyn                                                         *
/* *    Glenn Randers-Pehrson                                               *
/* *                                                                        *
/* * The MNG Library is supplied "AS IS". The Contributing Authors          *
/* * disclaim all warranties, expressed or implied, including, without      *
/* * limitation, the warranties of merchantability and of fitness for any   *
/* * purpose. The Contributing Authors assume no liability for direct,      *
/* * indirect, incidental, special, exemplary, or consequential damages,   *
/* * which may result from the use of the MNG Library, even if advised of   *
/* * the possibility of such damage.                                        *
/* *                                                                        *
/* * Permission is hereby granted to use, copy, modify, and distribute this *
/* * source code, or portions hereof, for any purpose, without fee, subject *
/* * to the following restrictions:                                        *
/* *                                                                        *
/* * 1. The origin of this source code must not be misrepresented;          *
/* * you must not claim that you wrote the original software.               *
/* *                                                                        *
/* * 2. Altered versions must be plainly marked as such and must not be     *
/* * misrepresented as being the original source.                          *
/* *                                                                        *
/* * 3. This Copyright notice may not be removed or altered from any source *
/* * or altered source distribution.                                        *
/* *                                                                        *
/* * The Contributing Authors specifically permit, without fee, and         *
/* * encourage the use of this source code as a component to supporting     *
/* * the MNG and JNG file format in commercial products. If you use this    *
/* * source code in a product, acknowledgment would be highly appreciated.  *
/* *                                                                        *
/* *************************************************************************/
/* * Parts of this software have been adapted from the libpng package. * */
/* * Although this library supports all features from the PNG specification * */
/* * (as MNG descends from it) it does not require the libpng package. * */
/* * It does require the zlib library and optionally the IJG jpeg library, * */
/* * and/or the "little-cms" library by Marti Maria (depending on the * */
/* * inclusion of support for JNG and Full-Color-Management respectively. * */
/* */
/* * This library's function is primarily to read and display MNG * */
/* * animations. It is not meant as a full-featured image-editing * */
/* * component! It does however offer creation and editing functionality * */
/* * at the chunk level. * */
/* * (future modifications may include some more support for creation * */
/* * and or editing) * */
/* */
/* */
/* ****************************************************** */

EVALUATION LICENSE AGREEMENT
Agreement version 2.0

This Evaluation License Agreement ("Agreement") is a legal agreement between Nokia Corporation ("Nokia"), with its registered office at Keilalahdentie 4, 02150 Espoo, Finland and you (either an individual or a legal entity) ("Licensee") for the Licensed Software.

1. DEFINITIONS

"Affiliate" of a Party shall mean an entity (i) which is directly or indirectly controlling such Party; (ii) which is under the same direct or indirect ownership or control as such Party; or (iii) which is directly or indirectly owned or controlled by such Party. For these purposes, an entity shall be treated as being controlled by another if that other entity has fifty percent (50 %) or more of the votes in such entity, is able to direct its affairs and/or to control the composition of its board of directors or equivalent body.

"Term" shall mean the period of time thirty (30) days from the later of (a) the Effective Date; or (b) the date the Licensed Software was initially delivered to Licensee by Nokia. If no specific Effective Date is set forth in the Agreement, the Effective Date shall be deemed to be the date the Licensed Software was initially delivered to Licensee.

"Licensed Software" shall mean the computer software, "online" or electronic documentation, associated media and printed materials, including the source code, example programs and the documentation delivered by Nokia to Licensee in conjunction with this Agreement.

"Party or Parties" shall mean Licensee and/or Nokia.
2. OWNERSHIP

The Licensed Software is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Licensed Software is licensed, not sold.

If Licensee provides any findings, proposals, suggestions or other feedback ("Feedback") to Nokia regarding the Licensed Software, Nokia shall own all right, title and interest including the intellectual property rights in and to such Feedback, excluding however any existing patent rights of Licensee. To the extent Licensee owns or controls any patents for such Feedback Licensee hereby grants to Nokia and its Affiliates, a worldwide, perpetual, non-transferable, sublicensable, royalty-free license to (i) use, copy and modify Feedback and to create derivative works thereof, (ii) to make (and have made), use, import, sell, offer for sale, lease, dispose, offer for disposal or otherwise exploit any products or services of Nokia containing Feedback, and (iii) sublicense all the foregoing rights to third party licensees and customers of Nokia and/or its Affiliates.

3. VALIDITY OF THE AGREEMENT

By installing, copying, or otherwise using the Licensed Software, Licensee agrees to be bound by the terms of this Agreement. If Licensee does not agree to the terms of this Agreement, Licensee may not install, copy, or otherwise use the Licensed Software. Upon Licensee's acceptance of the terms and conditions of this Agreement, Nokia grants Licensee the right to use the Licensed Software in the manner provided below.

4. LICENSES

4.1. Using and Copying

Nokia grants to Licensee a non-exclusive, non-transferable, time-limited license to use and copy the Licensed Software for sole purpose of evaluating theLicensed Software during the Term.

Licensee may install copies of the Licensed Software on an unlimited number of computers provided that (a) if an individual, only such individual; or (b) if a legal entity only its employees; use the Licensed Software for the authorized purposes.

4.2. No Distribution or Modifications
Licensee may not disclose, modify, sell, market, commercialise, distribute, loan, rent, lease, or license the Licensed Software or any copy of it or use the Licensed Software for any purpose that is not expressly granted in this Section 4. Licensee may not alter or remove any details of ownership, copyright, trademark or other property right connected with the Licensed Software. Licensee may not distribute any software statically or dynamically linked with the Licensed Software.

4.3. No Technical Support

Nokia has no obligation to furnish Licensee with any technical support whatsoever. Any such support is subject to separate agreement between the Parties.

5. THIRD PARTY SOFTWARE

The Licensed Software may provide links to third party libraries or code (collectively "Third Party Software") to implement various functions. Third Party Software does not comprise part of the Licensed Software. In some cases, access to Third Party Software may be included along with the Licensed Software delivery as a convenience for development and testing only. Such source code and libraries may be listed in the "../src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software where the Third Party Software is used, as may be amended from time to time, do not comprise the Licensed Software. Licensee acknowledges (1) that some part of Third Party Software may require additional licensing of copyright and patents from the owners of such, and (2) that distribution of any of the Licensed Software referencing any portion of a Third Party Software may require appropriate licensing from such third parties.

6. Limited Warranty and Warranty Disclaimer

The Licensed Software is licensed to Licensee "as is". To the maximum extent permitted by applicable law, Nokia on behalf of itself and its suppliers, disclaims all warranties and conditions, either express or implied, including, but not limited to, implied warranties of merchantability, fitness for a particular purpose, title and non-infringement with regard to the Licensed Software.

7. Limitation of Liability

If, Nokia's warranty disclaimer notwithstanding, Nokia is held liable to Licensee, whether in contract, tort or any other legal theory,
based on the Licensed Software, Nokia's entire liability to Licensee and Licensee's exclusive remedy shall be, at Nokia's option, either (A) return of the price Licensee paid for the Licensed Software, or (B) repair or replacement of the Licensed Software, provided Licensee returns to Nokia all copies of the Licensed Software as originally delivered to Licensee. Nokia shall not under any circumstances be liable to Licensee based on failure of the Licensed Software if the failure resulted from accident, abuse or misapplication, nor shall Nokia under any circumstances be liable for special damages, punitive or exemplary damages, damages for loss of profits or interruption of business or for loss or corruption of data. Any award of damages from Nokia to Licensee shall not exceed the total amount Licensee has paid to Nokia in connection with this Agreement.

8. CONFIDENTIALITY

Each party acknowledges that during the Term of this Agreement it shall have access to information about the other party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other party, and the value of which would be significantly reduced if disclosed to third parties (the "Confidential Information"). Accordingly, when a party (the "Receiving Party") receives Confidential Information from another party (the "Disclosing Party"), the Receiving Party shall, and shall obligate its employees and agents and employees and agents of its Affiliates to: (i) maintain the Confidential Information in strict confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each party shall take reasonable measures to protect the Confidential Information of the other party, which measures shall not be less than the measures taken by such party to protect its own confidential and proprietary information.

"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by the Receiving Party without access to the Confidential Information of the Disclosing Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation
of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means.

The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Nokia and Licensee conflict with the terms of this Section 8, this Section 8 shall be controlling over the terms of the Non-Disclosure Agreement.

9. GENERAL PROVISIONS

9.1. No Assignment

Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Nokia, which shall not be unreasonably withheld.

9.2. Termination

Nokia may terminate the Agreement at any time immediately upon written notice by Nokia to Licensee if Licensee breaches this Agreement.

Upon termination of this Agreement, Licensee shall return to Nokia all copies of Licensed Software that were supplied by Nokia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Nokia a written confirmation that this has occurred.

9.3. Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections: 2, 5, 6, 7, 8, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, and 9.8 of this Agreement.

9.4. Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions.
representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 8. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee’s purchase order shall apply unless expressly accepted by Nokia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

9.5. Export Control

Licensee acknowledges that the Licensed Software may be subject to export control restrictions of various countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the importation of the Licensed Software and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Licensed Software.

9.6. Governing Law and Legal Venue

This Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions. Any disputes arising out of or relating to this Agreement shall be resolved in arbitration under the Rules of Arbitration of the Chamber of Commerce of Helsinki, Finland. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language.

9.7. No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with Nokia and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software with any other software or hardware not delivered by Nokia under this Agreement.

9.8. Government End Users
A "U.S. Government End User" shall mean any agency or entity of the government of the United States. The following shall apply if Licensee is a U.S. Government End User. The Licensed Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation," as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire the Licensed Software with only those rights set forth herein. The Licensed Software (including related documentation) is provided to U.S. Government End Users: (a) only as a commercial end item; and (b) only pursuant to this Agreement.

Qt Embedded Commercial Developer License Agreement
Agreement version 1.3

This Qt Embedded Commercial Developer License Agreement ("Agreement") is a legal agreement between Nokia, Inc. ("Nokia") with a registered business address at 102 Corporate Park Drive, White Plains, NY 10604, U.S.A. and you (either an individual or a legal entity) ("Licensee") for the Licensed Software (as defined below).

1. DEFINITIONS

"Affiliate" of a Party shall mean an entity (i) which is directly or indirectly controlling such Party; (ii) which is under the same direct or indirect ownership or control as such Party; or (iii) which is directly or indirectly owned or controlled by such Party. For these purposes, an entity shall be treated as being controlled by another if that other entity has fifty percent (50 %) or more of the votes in such entity, is able to direct its affairs and/or to control the composition of its board of directors or equivalent body.

"Applications" shall mean Licensee's software products created using the Licensed Software which may include portions of the Licensed Software.

"Deployment Platforms" shall mean the operating system(s) listed in the License Certificate onto which Licensee is authorized to deploy Applications.

"Designated User(s)" shall mean the employee(s) of Licensee acting within the scope of their employment or Licensee's consultant(s) or contractor(s) acting within the scope of their services for Licensee and on behalf of Licensee.

"Development Platforms" shall mean the operating system(s) listed in the License Certificate on which Licensee may use, develop and modify the Licensed Software.

"Initial Term" shall mean the period of time one (1) year from the later of (a) the Effective Date; or (b) the date the Licensed Software was initially delivered to Licensee by Nokia. If no specific Effective Date is set forth in the Agreement, the Effective Date shall be deemed to be the date the Licensed Software was initially delivered to Licensee.
"License Certificate" shall mean the document accompanying the Licensed Software which specifies the modules which are licensed under the Agreement, Development Platforms, Deployment Platforms and Designated Users.

"Licensed Software" shall mean the computer software, "online" or electronic documentation, associated media and printed materials, including the source code, example programs and the documentation delivered by Nokia to Licensee in conjunction with this Agreement. Licensed Software does not include Third Party Software (as defined in Section 7).

"Modified Software" shall mean modifications made to the Licensed Software by Licensee.

"Party or Parties" shall mean Licensee and/or Nokia.

"Support" shall mean standard developer support that is provided by Nokia to assist eligible Designated Users in using the Licensed Software in accordance with its established standard support procedures listed at: http://qt.nokia.com/support-services/files/standardsupport-TermsandConditions.pdf.

"Updates" shall mean a release or version of the Licensed Software containing enhancements, new features, bug fixes, error corrections and other changes that are generally made available to users of the Licensed Software that have contracted for maintenance and support.

2. OWNERSHIP

The Licensed Software is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Licensed Software is licensed, not sold.

Nokia shall own all right, title and interest including the intellectual property rights in and to the information on bug fixes or error corrections relating to the Licensed Software that are submitted by Licensee to Nokia as well as any intellectual property rights to the correction of any errors, if any. To the extent any rights do not automatically vest in Nokia, Licensee assigns, and shall ensure that all of its Affiliates, agents, subcontractors and employees assign, all such rights to Nokia. All Nokia's and/or its licensors' trademarks, service marks, trade names, logos or other words or symbols are and shall remain the exclusive property of Nokia or its licensors respectively.

3. MODULES

Some of the files in the Licensed Software have been grouped into Modules. These files contain specific notices defining the Module of which they are a part. The Modules licensed to Licensee are specified in the License Certificate accompanying the Licensed Software. The terms of the License Certificate are considered part of the Agreement. In the event of inconsistency or conflict between the language of this Agreement and the License Certificate, the provisions of this Agreement shall govern.

4. VALIDITY OF THE AGREEMENT

By installing, copying, or otherwise using the Licensed Software, Licensee agrees to be bound by the terms of this Agreement. If Licensee does not agree to the terms of this Agreement, Licensee should not install, copy, or
otherwise use the Licensed Software. In addition, by installing, copying, or otherwise using any Updates or other components of the Licensed Software that Licensee receives separately as part of the Licensed Software, Licensee agrees to be bound by any additional license terms that accompany such Updates, if any. If Licensee does not agree to the additional license terms that accompany such Updates, Licensee should not install, copy, or otherwise use such Updates.

Upon Licensee's acceptance of the terms and conditions of this Agreement, Nokia grants Licensee the right to use the Licensed Software in the manner provided below.

5. LICENSES

5.1 Using, Modifying and Copying

Nokia grants to Licensee a non-exclusive, non-transferable, perpetual license to use, modify and copy the Licensed Software for Designated Users specified in the License Certificate for the sole purposes of:

(i) designing, developing, and testing Application(s);

(ii) modifying the Licensed Software as limited by Section 8 below; and

(iii) compiling the Licensed Software and/or Modified Software source code into object code.

Licensee may install copies of the Licensed Software on an unlimited number of computers provided that only the Designated Users use the Licensed Software. Licensee may at any time designate another Designated User to replace a then-current Designated User by notifying Nokia, provided that a) the then-current Designated User has not been designated as a replacement during the last six (6) months; and b) there is no more than the specified number of Designated Users at any given time.

5.2 No Distribution and Limited Exception

Licensee may not distribute, transfer, assign or otherwise dispose of the Licensed Software and/or Modified Software, except as provided by a separate distribution agreement with Nokia for the Deployment Platforms that Licensee has licensed from Nokia. Distribution on Platforms, other than Deployment Platforms is strictly prohibited.

Notwithstanding the above limitation, Licensee may distribute the Application in binary/compiled form onto devices running Windows CE/Windows Mobile or Symbian, provided the core functionality of the device does not depend on either the Licensed Software or the Application.

5.3 Further Requirements

The licenses granted in this Section 5 by Nokia to Licensee are subject to Licensee's compliance with Section 8 of this Agreement.

6. VERIFICATION
Nokia or a certified auditor on Nokia's behalf, may, upon its reasonable request and at its expense, audit Licensee with respect to the use of the Licensed Software. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. Nokia will not remove, copy, or redistribute any electronic material during the course of an audit. If an audit reveals that Licensee is using the Licensed Software in a way that is in material violation of the terms of the Agreement, then Licensee shall pay Nokia's reasonable costs of conducting the audit. In the case of a material violation, Licensee agrees to pay Nokia any amounts owing that are attributable to the unauthorized use. In the alternative, Nokia reserves the right, at Nokia's sole option, to terminate the licenses for the Licensed Software.

7. THIRD PARTY SOFTWARE

The Licensed Software may provide links to third party libraries or code (collectively "Third Party Software") to implement various functions. Third Party Software does not comprise part of the Licensed Software. In some cases, access to Third Party Software may be included along with the Licensed Software delivery as a convenience for development and testing only. Such source code and libraries may be listed in the ".../src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software where the Third Party Software is used, as may be amended from time to time, do not comprise the Licensed Software. Licensee acknowledges (i) that some part of Third Party Software may require additional licensing of copyright and patents from the owners of such, and (ii) that distribution of any of the Licensed Software referencing any portion of a Third Party Software may require appropriate licensing from such third parties.

8. CONDITIONS FOR CREATING APPLICATIONS

The licenses granted in this Agreement for Licensee to create, modify and distribute Applications is subject to all of the following conditions: (i) all copies of the Applications Licensee creates must bear a valid copyright notice either Licensee's own or the copyright notice that appears on the Licensed Software; (ii) Licensee may not remove or alter any copyright, trademark or other proprietary rights notice contained in any portion of the Licensed Software including but not limited to the About Boxes; (iii) Licensee will indemnify and hold Nokia, its Affiliates, contractors, and its suppliers, harmless from and against any claims or liabilities arising out of the use, reproduction or distribution of Applications; (iv) Applications must be developed using a licensed, registered copy of the Licensed Software; (v) Applications must add primary and substantial functionality to the Licensed Software; (vi) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software; however Licensee may use the Licensed Software's scripting functionality solely in order to enable scripting that augments the functionality of the Application(s) without adding primary and substantial functionality to the Application(s); (vii) Licensee may create Modified Software that breaks the source or binary compatibility with the Licensed Software. This includes, but is not limited to, changing the application programming interfaces ("API") by adding, changing or deleting any variable, method, or class signature in the Licensed Software, the inter-process QCop specification, and/or any inter-process protocols, services or standards in the Licensed Software libraries. To the extent that Licensee breaks source or binary compatibility with the Licensed Software, Licensee acknowledges that Nokia's ability to provide Support may be prevented or limited and Licensee's ability to make use of Updates may be restricted; (viii) Applications may not compete with the Licensed Software; (ix) Licensee may not use Nokia's or any of its suppliers' names, logos, or trademarks to market Applications, except to state that Licensee's Application was developed using the Licensed Software.

NOTE: The Open Source Editions of Nokia's Qt products and the Qt, Qtopia and Qt Extended versions previously
9. LIMITED WARRANTY AND WARRANTY DISCLAIMER

Nokia hereby represents and warrants with respect to the Licensed Software that it has the power and authority to grant the rights and licenses granted to Licensee under this Agreement. Except as set forth above, the Licensed Software is licensed to Licensee "as is". To the maximum extent permitted by applicable law, Nokia on behalf of itself and its suppliers, disclaims all warranties and conditions, either express or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose, title and non-infringement with regard to the Licensed Software.

10. LIMITATION OF LIABILITY

If, Nokia's warranty disclaimer notwithstanding, Nokia is held to be liable to Licensee whether in contract, tort, or any other legal theory, based on the Licensed Software, Nokia's entire liability to Licensee and Licensee's exclusive remedy shall be, at Nokia's option, either (a) return of the price Licensee paid for the Licensed Software, or (b) repair or replacement of the Licensed Software, provided Licensee returns to Nokia all copies of the Licensed Software as originally delivered to Licensee. Nokia shall not under any circumstances be liable to Licensee based on failure of the Licensed Software if the failure resulted from accident, abuse or misapplication, nor shall Nokia, under any circumstances, be liable for special damages, punitive or exemplary damages, damages for loss of profits or interruption of business or for loss or corruption of data. Any award of damages from Nokia to Licensee shall not exceed the total amount Licensee has paid to Nokia in connection with this Agreement.

11. SUPPORT AND UPDATES

Licensee will be eligible to receive Support and Updates during the Initial Term, in accordance with Nokia's then current policies and procedures, if any. Such policies and procedures may be changed from time to time. Following the Initial Term, Nokia shall no longer make the Licensed Software available to Licensee unless Licensee purchases additional Support and Updates according to this Section 11 below.

Licensee may purchase additional Support and Updates following the Initial Term at Nokia's terms and conditions applicable at the time of renewal.

12. CONFIDENTIALITY

Each party acknowledges that during the Initial Term of this Agreement it shall have access to information about the
other party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other party, and the value of which would be significantly reduced if disclosed to third parties (the "Confidential Information"). Accordingly, when a party (the "Receiving Party") receives Confidential Information from another party (the "Disclosing Party"), the Receiving Party shall, and shall obligate its employees and agents and employees and agents of its affiliates to: (i) maintain the Confidential Information in strict confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each party shall take reasonable measures to protect the Confidential Information of the other party, which measures shall not be less than the measures taken by such party to protect its own confidential and proprietary information.

"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by the Receiving Party without access to the Confidential Information of the Disclosing Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means.

The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Nokia and Licensee conflict with the terms of this Section 12, this Section 12 shall be controlling over the terms of the Non-Disclosure Agreement.

13. GENERAL PROVISIONS

13.1. Marketing

Nokia may include Licensee's company name and logo in a publicly available list of Nokia customers and in its public communications.

13.2. No Assignment

Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Nokia, which shall not be unreasonably withheld.

13.3. Termination

Nokia may terminate the Agreement at any time immediately upon written notice by Nokia to Licensee if Licensee breaches this Agreement.

Either party shall have the right to terminate this Agreement immediately upon written notice in the event that the other party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors,
has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other party.

Upon termination of the Licenses, Licensee shall return to Nokia all copies of Licensed Software that were supplied by Nokia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Nokia a written confirmation that this has occurred.

13.4. Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections 2, 5.1, 6, 7, 8(iii), 10, 12, 13.5, 13.6, 13.9, 13.10, and 13.11 shall survive the termination of the Agreement. Notwithstanding the foregoing, Sections 5.1 shall not survive if the Agreement is terminated for material breach.

13.5. Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Nokia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

13.6. Payment and Taxes

If credit has been extended to Licensee by Nokia, all payments under this Agreement are due within thirty (30) days of the date Nokia mails its invoice to Licensee. If Nokia has not extended credit to Licensee, Licensee shall be required to make payment concurrent with the delivery of the Licensed Software by Nokia. All amounts payable are gross amounts but exclusive of any value added tax, use tax, sales tax or similar tax. Licensee shall be entitled to withhold from payments any applicable withholding taxes and comply with all applicable tax and employment legislation. Each party shall pay all taxes (including, but not limited to, taxes based upon its income) or levies imposed on it under applicable laws, regulations and tax treaties as a result of this Agreement and any payments made hereunder (including those required to be withheld or deducted from payments). Each party shall furnish evidence of such paid taxes as is sufficient to enable the other party to obtain any credits available to it, including original withholding tax certificates.

13.7. Force Majeure

Neither party shall be liable to the other for any delay or non-performance of its obligations hereunder other than the obligation of paying the license fees in the event and to the extent that such delay or non-performance is due to an event of Force Majeure (as defined below). If any event of Force Majeure results in a delay or non-performance of a party for a period of three (3) months or longer, then either party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other party. A "Force Majeure" event shall mean an act of God, terrorist attack or other
catastrophic event of nature that prevents either party for fulfilling its obligations under this Agreement.

13.8. Notices

Any notice given by one party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified below. Each communication and document made or delivered by one party to the other party pursuant to this Agreement shall be in the English language or accompanied by a translation thereof.

Notices to Nokia shall be given to:

Nokia, Inc.
555 Twin Dolphin Drive, Suite 280
Redwood City, CA 94065 U.S.A.
Fax: +1 650.551.1851

13.9. Export Control

Licensee acknowledges that the Licensed Software may be subject to export control restrictions of various countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the importation of the Licensed Software and/or Modified Software and/or Applications and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Licensed Software, Modified Software or Applications.

13.10. Governing Law and Legal Venue:

This Agreement shall be governed by and construed in accordance with the federal laws of the United States of America and the internal laws of the State of New York without given effect to any choice of law rule that would result in the application of the laws of any other jurisdiction. The United Nations Convention on Contracts for the International Sale of Goods (CISG) shall not apply. Each Party (a) hereby irrevocably submits itself to and consents to the jurisdiction of the United States District Court for the Southern District of New York (or if such court lacks jurisdiction, the state courts of the State of New York) for the purposes of any action, claim, suit or proceeding between the Parties in connection with any controversy, claim, or dispute arising out of or relating to this Agreement; and (b) hereby waives, and agrees not to assert by way of motion, as a defense or otherwise, in any such action, claim, suit or proceeding, any claim that is not personally subject to the jurisdiction of such court(s), that the action, claim, suit or proceeding is brought in an inconvenient forum or that the venue of the action, claim, suit or proceeding is improper. Notwithstanding the foregoing, nothing in this Section 13.10 is intended to, or shall be deemed to, constitute a submission or consent to, or selection of, jurisdiction, forum or venue for any action for patent infringement, whether or not such action relates to this Agreement.

13.11 No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with Nokia and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software and/ Modified Software, as applicable, with any other software
13.11 Government End Users

A "U.S. Government End User" shall mean any agency or entity of the government of the United States. The following shall apply if Licensee is a U.S. Government End User. The Licensed Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation," as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire the Licensed Software with only those rights set forth herein. The Licensed Software (including related documentation) is provided to U.S. Government End Users: (a) only as a commercial end item; and (b) only pursuant to this Agreement.


Adobe is a trademark of Adobe Systems Incorporated which may be registered in certain jurisdictions.
Permission to use these trademarks is hereby granted only in association with the images described in this file.

Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notices appear in all copies and that both those copyright notices and this permission notice appear in supporting documentation, and that the names of Adobe Systems and Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Adobe Systems and Digital Equipment Corporation make no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

Copyright (c) 2000 XFree86, Inc.
Qt Embedded Commercial License Agreement
Agreement version 1.3

This Qt Embedded Commercial License Agreement ("Agreement") is a legal agreement between Nokia Corporation ("Nokia"), with its registered office at Keilalahdentie 4, 02150 Espoo, Finland and you (either an individual or a legal entity) ("Licensee") for the Licensed Software (as defined below).

1. DEFINITIONS

"Affiliate" of a Party shall mean an entity (i) which is directly or indirectly controlling such Party; (ii) which is under the same direct or indirect ownership or control as such Party; or (iii) which is directly or indirectly owned or controlled by such Party. For these purposes, an entity shall be treated as being controlled by another if that other entity has fifty percent (50 %) or more of the votes in such entity, is able to direct its affairs and/or to control the composition of its board of directors or equivalent body.
"Applications" shall mean Licensee's software products created using the Licensed Software which may include portions of the Licensed Software.

"Deployment Platforms" shall mean the operating system(s) listed in the License Certificate onto which Licensee is authorized to deploy Applications.

"Designated User(s)" shall mean the employee(s) of Licensee acting within the scope of their employment or Licensee's consultant(s) or contractor(s) acting within the scope of their services for Licensee and on behalf of Licensee.

"Development Platforms" shall mean the operating system(s) listed in the License Certificate on which Licensee may use, develop and modify the Licensed Software.

"Initial Term" shall mean the period of time one (1) year from the later of (a) the Effective Date; or (b) the date the Licensed Software was initially delivered to Licensee by Nokia. If no specific Effective Date is set forth in the Agreement, the Effective Date shall be deemed to be the date the Licensed Software was initially delivered to Licensee.

"License Certificate" shall mean the document accompanying the Licensed Software which specifies the modules which are licensed under the Agreement, Development Platforms, Deployment Platforms and Designated Users.

"Licensed Software" shall mean the computer software, "online" or electronic documentation, associated media and printed materials, including the source code, example programs and the documentation delivered by Nokia to Licensee in conjunction with this Agreement. Licensed Software does not include Third Party Software (as defined in Section 7).

"Modified Software" shall mean modifications made to the Licensed Software by Licensee.

"Party" or "Parties" shall mean Licensee and/or Nokia.

"Support" shall mean standard developer support that is provided by Nokia to assist eligible Designated Users in using the Licensed Software in accordance with its established standard support procedures listed at: http://qt.nokia.com/support-services/files/standardsupport-TermsandConditions.pdf.

"Updates" shall mean a release or version of the Licensed Software containing enhancements, new features, bug fixes, error corrections and other changes that are generally made available to users of the Licensed Software that have contracted for maintenance and support.

2. OWNERSHIP

The Licensed Software is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Licensed Software is licensed, not sold.

Nokia shall own all right, title and interest including the intellectual property rights in and to the information on bug fixes or error corrections relating to the Licensed Software that are submitted by Licensee to Nokia as well as any
intellectual property rights to the correction of any errors, if any. To the extent any rights do not automatically vest in Nokia, Licensee assigns, and shall ensure that all of its Affiliates, agents, subcontractors and employees assign, all such rights to Nokia. All Nokia's and/or its licensors' trademarks, service marks, trade names, logos or other words or symbols are and shall remain the exclusive property of Nokia or its licensors respectively.

3. MODULES

Some of the files in the Licensed Software have been grouped into Modules. These files contain specific notices defining the Module of which they are a part. The Modules licensed to Licensee are specified in the License Certificate accompanying the Licensed Software. The terms of the License Certificate are considered part of the Agreement. In the event of inconsistency or conflict between the language of this Agreement and the License Certificate, the provisions of this Agreement shall govern.

4. VALIDITY OF THE AGREEMENT

By installing, copying, or otherwise using the Licensed Software, Licensee agrees to be bound by the terms of this Agreement. If Licensee does not agree to the terms of this Agreement, Licensee should not install, copy, or otherwise use the Licensed Software. In addition, by installing, copying, or otherwise using any Updates or other components of the Licensed Software that Licensee receives separately as part of the Licensed Software, Licensee agrees to be bound by any additional license terms that accompany such Updates, if any. If Licensee does not agree to the additional license terms that accompany such Updates, Licensee should not install, copy, or otherwise use such Updates.

Upon Licensee's acceptance of the terms and conditions of this Agreement, Nokia grants Licensee the right to use the Licensed Software in the manner provided below.

5. LICENSES

5.1 Using, Modifying and Copying

Nokia grants to Licensee a non-exclusive, non-transferable, perpetual license to use, modify and copy the Licensed Software for Designated Users specified in the License Certificate for the sole purposes of:

(i) designing, developing, and testing Application(s);

(ii) modifying the Licensed Software as limited by Section 8 below; and

(iii) compiling the Licensed Software and/or Modified Software source code into object code.

Licensee may install copies of the Licensed Software on an unlimited number of computers provided that only the Designated Users use the Licensed Software. Licensee may at any time designate another Designated User to replace a then-current Designated User by notifying Nokia, provided that a) the then-current Designated User has not been designated as a replacement during the last six (6) months; and b) there is no more than the specified number of Designated Users at any given time.
5.2 No Distribution and Limited Exception

Licensee may not distribute, transfer, assign or otherwise dispose of the Licensed Software and/or Modified Software, except as provided by a separate distribution agreement with Nokia for the Deployment Platforms that Licensee has licensed from Nokia. Distribution on Platforms, other than Deployment Platforms is strictly prohibited.

Notwithstanding the above limitation, Licensee may distribute the Application in binary/compiled form onto devices running Windows CE/Windows Mobile or Symbian, provided the core functionality of the device does not depend on either the Licensed Software or the Application.

5.3 Further Requirements

The licenses granted in this Section 5 by Nokia to Licensee are subject to Licensee's compliance with Section 8 of this Agreement.

6. VERIFICATION

Nokia or a certified auditor on Nokia's behalf, may, upon its reasonable request and at its expense, audit Licensee with respect to the use of the Licensed Software. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. Nokia will not remove, copy, or redistribute any electronic material during the course of an audit. If an audit reveals that Licensee is using the Licensed Software in a way that is in material violation of the terms of the Agreement, then Licensee shall pay Nokia's reasonable costs of conducting the audit. In the case of a material violation, Licensee agrees to pay Nokia any amounts owing that are attributable to the unauthorized use. In the alternative, Nokia reserves the right, at Nokia's sole option, to terminate the licenses for the Licensed Software.

7. THIRD PARTY SOFTWARE

The Licensed Software may provide links to third party libraries or code (collectively "Third Party Software") to implement various functions. Third Party Software does not comprise part of the Licensed Software. In some cases, access to Third Party Software may be included along with the Licensed Software delivery as a convenience for development and testing only. Such source code and libraries may be listed in the "/src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software where the Third Party Software is used, as may be amended from time to time, do not comprise the Licensed Software. Licensee acknowledges (i) that some part of Third Party Software may require additional licensing of copyright and patents from the owners of such, and (ii) that distribution of any of the Licensed Software referencing any portion of a Third Party Software may require appropriate licensing from such third parties.

8. CONDITIONS FOR CREATING APPLICATIONS

The licenses granted in this Agreement for Licensee to create, modify and distribute Applications is subject to all of the following conditions: (i) all copies of the Applications Licensee creates must bear a valid copyright notice either Licensee's own or the copyright notice that appears on the Licensed Software; (ii) Licensee may not remove or alter
any copyright, trademark or other proprietary rights notice contained in any portion of the Licensed Software including but not limited to the About Boxes; (iii) Licensee will indemnify and hold Nokia, its Affiliates, contractors, and its suppliers, harmless from and against any claims or liabilities arising out of the use, reproduction or distribution of Applications; (iv) Applications must be developed using a licensed, registered copy of the Licensed Software; (v) Applications must add primary and substantial functionality to the Licensed Software; (vi) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software; however Licensee may use the Licensed Software's scripting functionality solely in order to enable scripting that augments the functionality of the Application(s) without adding primary and substantial functionality to the Application(s); (vii) Licensee may create Modified Software that breaks the source or binary compatibility with the Licensed Software. This includes, but is not limited to, changing the application programming interfaces ("API") by adding, changing or deleting any variable, method, or class signature in the Licensed Software, the inter-process QCop specification, and/or any inter-process protocols, services or standards in the Licensed Software libraries. To the extent that Licensee breaks source or binary compatibility with the Licensed Software, Licensee acknowledges that Nokia's ability to provide Support may be prevented or limited and Licensee's ability to make use of Updates may be restricted; (viii) Applications may not compete with the Licensed Software; (ix) Licensee may not use Nokia's or any of its suppliers' names, logos, or trademarks to market Applications, except to state that Licensee's Application was developed using the Licensed Software.

NOTE: The Open Source Editions of Nokia's Qt products and the Qt, Qtopia and Qt Extended versions previously licensed by Trolltech (collectively referred to as "Products") are licensed under the terms of the GNU Lesser General Public License version 2.1 ("LGPL") and/or the GNU General Public License versions 2.0 and 3.0 ("GPL") (as applicable) and not under this Agreement. If Licensee or another third party, has, at any time, developed all (or any portions of) the Application(s) using a version of one of these Products licensed under the LGPL or the GPL, Licensee may not combine such development work with the Licensed Software and must license such Application(s) (or any portions derived there from) under the terms of the GNU Lesser General Public License version 2.1 (Qt only) or GNU General Public License version 2.0 (Qt, Qtopia and Qt Extended) or version 3 (Qt only) copies of which are located at http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html, http://www.fsf.org/licensing/licenses/info/GPLv2.html, and http://www.gnu.org/copyleft/gpl.html.

9. LIMITED WARRANTY AND WARRANTY DISCLAIMER

Nokia hereby represents and warrants with respect to the Licensed Software that it has the power and authority to grant the rights and licenses granted to Licensee under this Agreement. Except as set forth above, the Licensed Software is licensed to Licensee "as is". To the maximum extent permitted by applicable law, Nokia on behalf of itself and its suppliers, disclaims all warranties and conditions, either express or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose, title and non-infringement with regard to the Licensed Software.

10. LIMITATION OF LIABILITY

If, Nokia's warranty disclaimer notwithstanding, Nokia is held to be liable to Licensee whether in contract, tort, or any other legal theory, based on the Licensed Software, Nokia's entire liability to Licensee and Licensee's exclusive remedy shall be, at Nokia's option, either (a) return of the price Licensee paid for the Licensed Software, or (b) repair or replacement of the Licensed Software, provided Licensee returns to Nokia all copies of the Licensed Software as originally delivered to Licensee. Nokia shall not under any circumstances be liable to Licensee based on failure of the Licensed Software if the failure resulted from accident, abuse or misapplication, nor shall Nokia, under
any circumstances, be liable for special damages, punitive or exemplary damages, damages for loss of profits or interruption of business or for loss or corruption of data. Any award of damages from Nokia to Licensee shall not exceed the total amount Licensee has paid to Nokia in connection with this Agreement.

11. SUPPORT AND UPDATES

Licensee will be eligible to receive Support and Updates during the Initial Term, in accordance with Nokia's then current policies and procedures, if any. Such policies and procedures may be changed from time to time. Following the Initial Term, Nokia shall no longer make the Licensed Software available to Licensee unless Licensee purchases additional Support and Updates according to this Section 11 below.

Licensee may purchase additional Support and Updates following the Initial Term at Nokia's terms and conditions applicable at the time of renewal.

12. CONFIDENTIALITY

Each party acknowledges that during the Initial Term of this Agreement it shall have access to information about the other party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other party, and the value of which would be significantly reduced if disclosed to third parties (the "Confidential Information"). Accordingly, when a party (the "Receiving Party") receives Confidential Information from another party (the "Disclosing Party"), the Receiving Party shall, and shall obligate its employees and agents and employees and agents of its affiliates to: (i) maintain the Confidential Information in strict confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each party shall take reasonable measures to protect the Confidential Information of the other party, which measures shall not be less than the measures taken by such party to protect its own confidential and proprietary information.

"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by the Receiving Party without access to the Confidential Information of the Disclosing Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means.

The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Nokia and Licensee conflict with the terms of this Section 12, this Section 12 shall be controlling over the terms of the Non-Disclosure Agreement.
13. GENERAL PROVISIONS

13.1. Marketing

Nokia may include Licensee's company name and logo in a publicly available list of Nokia customers and in its public communications.

13.2. No Assignment

Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Nokia, which shall not be unreasonably withheld.

13.3. Termination

Nokia may terminate the Agreement at any time immediately upon written notice by Nokia to Licensee if Licensee breaches this Agreement.

Either party shall have the right to terminate this Agreement immediately upon written notice in the event that the other party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other party.

Upon termination of the Licenses, Licensee shall return to Nokia all copies of Licensed Software that were supplied by Nokia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Nokia a written confirmation that this has occurred.

13.4. Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections 2, 5.1, 6, 7, 8(iii), 10, 12, 13.5, 13.6, 13.9, 13.10, and 13.11 shall survive the termination of the Agreement. Notwithstanding the foregoing, Sections 5.1 shall not survive if the Agreement is terminated for material breach.

13.5. Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Nokia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

13.6. Payment and Taxes
If credit has been extended to Licensee by Nokia, all payments under this Agreement are due within thirty (30) days of the date Nokia mails its invoice to Licensee. If Nokia has not extended credit to Licensee, Licensee shall be required to make payment concurrent with the delivery of the Licensed Software by Nokia. All amounts payable are gross amounts but exclusive of any value added tax, use tax, sales tax or similar tax. Licensee shall be entitled to withhold from payments any applicable withholding taxes and comply with all applicable tax and employment legislation. Each party shall pay all taxes (including, but not limited to, taxes based upon its income) or levies imposed on it under applicable laws, regulations and tax treaties as a result of this Agreement and any payments made hereunder (including those required to be withheld or deducted from payments). Each party shall furnish evidence of such paid taxes as is sufficient to enable the other party to obtain any credits available to it, including original withholding tax certificates.

13.7. Force Majeure

Neither party shall be liable to the other for any delay or non-performance of its obligations hereunder other than the obligation of paying the license fees in the event and to the extent that such delay or non-performance is due to an event of Force Majeure (as defined below). If any event of Force Majeure results in a delay or non-performance of a party for a period of three (3) months or longer, then either party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other party. A "Force Majeure" event shall mean an act of God, terrorist attack or other catastrophic event of nature that prevents either party for fulfilling its obligations under this Agreement.

13.8. Notices

Any notice given by one party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified below. Each communication and document made or delivered by one party to the other party pursuant to this Agreement shall be in the English language or accompanied by a translation thereof.

Notices to Nokia shall be given to:

Nokia Norge AS
Sandakerveien 116
NO-0484 Oslo, Norway
Fax: +47 21 69 48 02

13.9. Export Control

Licensee acknowledges that the Licensed Software may be subject to export control restrictions of various countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the importation of the Licensed Software and/or Modified Software and/or Applications and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Licensed Software, Modified Software or Applications.

13.10. Governing Law and Legal Venue:
This Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions. Any disputes arising out of or relating to this Agreement shall be resolved in arbitration under the Rules of Arbitration of the Chamber of Commerce of Helsinki, Finland. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language.

13.11 No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with Nokia and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software and/ Modified Software, as applicable, with any other software or hardware not delivered by Nokia under this Agreement.

W3C SOFTWARE NOTICE AND LICENSE

This license came from: http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.
3. Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.
The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

Copyright (c) 2001-2006 Wolfram Gloger

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that (i) the above copyright notices and this permission notice appear in all copies of the software and related documentation, and (ii) the name of Wolfram Gloger may not be used in any advertising or publicity relating to the software.

THE SOFTWARE IS PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL WOLFRAM GLOGER BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF DAMAGE, AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Permission to use, reproduce, display and distribute the listed typefaces is hereby granted, provided that the Adobe Copyright notice appears in all whole and partial copies of the software and that the following trademark symbol and attribution appear in all unmodified copies of the software:

Copyright (c) 1989 Adobe Systems Incorporated
Utopia (R)
Utopia is a registered trademark of Adobe Systems Incorporated

The Adobe typefaces (Type 1 font program, bitmaps and Adobe Font Metric files) donated are:

Utopia Regular
Utopia Italic
Utopia Bold
Utopia Bold Italic

Copyright (C) 2005, 2006, 2007, 2008, 2009 Apple Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY APPLE INC. AND ITS CONTRIBUTORS ``AS IS'' AND ANY
EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL APPLE INC. OR ITS CONTRIBUTORS BE LIABLE FOR ANY
DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Fonts are (c) Bitstream (see below). DejaVu changes are in public domain. Glyphs imported from Arev fonts are (c)
Tavmjung Bah (see below)

Bitstream Vera Fonts Copyright
-------------------------------
Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is
a trademark of Bitstream, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy
of the fonts accompanying this license ("Fonts") and associated
documentation files (the "Font Software"), to reproduce and distribute the
Font Software, including without limitation the rights to use, copy, merge,
publish, distribute, and/or sell copies of the Font Software, and to permit
persons to whom the Font Software is furnished to do so, subject to the
following conditions:

The above copyright and trademark notices and this permission notice shall
be included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular
the designs of glyphs or characters in the Fonts may be modified and
additional glyphs or characters may be added to the Fonts, only if the fonts
are renamed to names not containing either the words "Bitstream" or the word
"Vera".

This License becomes null and void to the extent applicable to Fonts or Font
Software that has been modified and is distributed under the "Bitstream
Vera" names.

The Font Software may be sold as part of a larger software package but no
copy of one or more of the Font Software typefaces may be sold by itself.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the names of Gnome, the Gnome Foundation, and Bitstream Inc., shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from the Gnome Foundation or Bitstream Inc., respectively. For further information, contact: fonts at gnome dot org.

Arev Fonts Copyright
---------------------

Copyright (c) 2006 by Tavmjong Bah. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute the modifications to the Bitstream Vera Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Tavmjong Bah" or the word "Arev".

This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Tavmjong Bah Arev" names.

The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by itself.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL TAVMJONG BAH BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the name of Tavmjong Bah shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from Tavmjong Bah. For further information, contact: tavmjong @ free . fr.

$Id: LICENSE 778 2006-04-20 18:14:24Z moyogo $
Luxi fonts copyright (c) 2001 by Bigelow & Holmes Inc. Luxi font instruction code copyright (c) 2001 by URW++ GmbH. All Rights Reserved. Luxi is a registered trademark of Bigelow & Holmes Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of these Fonts and associated documentation files (the "Font Software"), to deal in the Font Software, including without limitation the rights to use, copy, merge, publish, distribute, sublicense, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software.

The Font Software may not be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may not be modified nor may additional glyphs or characters be added to the Fonts. This License becomes null and void when the Fonts or Font Software have been modified.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BIGELOW & HOLMES INC. OR URW++ GMBH. BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.
Except as contained in this notice, the names of Bigelow & Holmes Inc. and URW++ GmbH. shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from Bigelow & Holmes Inc. and URW++ GmbH.

For further information, contact:

info@urwpp.de
or
design@bigelowandholmes.com

NOTE! The LGPL below is copyrighted by the Free Software Foundation, but the instance of code that it refers to (the kde libraries) are copyrighted by the authors who actually wrote it.

---------------------------------------------------------------------------
GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor
Boston, MA 02110-1301, USA.

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor’s protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors’ reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone’s free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don’t assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General
Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.
You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

EVALUATION LICENSE AGREEMENT
Agreement version 2.0

This Evaluation License Agreement ("Agreement") is a legal agreement between Nokia, Inc. ("Nokia"), with its registered office at 6021 Connection Drive, Irving, TX 75039, U.S.A. and you (either an individual or a legal entity) ("Licensee") for the Licensed Software (as defined below).

1. DEFINITIONS

"Affiliate" of a Party shall mean an entity (i) which is directly or indirectly controlling such Party; (ii) which is under the same direct or indirect ownership or control as such Party; or (iii) which is directly or indirectly owned or controlled by such Party. For these purposes, an entity shall be treated as being controlled by another if that other entity has fifty percent (50 %) or more of the votes in such entity, is able to direct its affairs and/or to control the composition of its board of directors or equivalent body.

"Term" shall mean the period of time thirty (30) days from the later of (a) the Effective Date; or (b) the date the Licensed Software was initially delivered to Licensee by Nokia. If no specific Effective Date is set forth in the Agreement, the Effective Date shall be deemed to be the date the Licensed Software was initially delivered to Licensee.

"Licensed Software" shall mean the computer software, "online" or electronic documentation, associated media and printed materials, including the source code, example programs and the documentation
delivered by Nokia to Licensee in conjunction with this Agreement.

"Party or Parties" shall mean Licensee and/or Nokia.

2. OWNERSHIP

The Licensed Software is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Licensed Software is licensed, not sold.

If Licensee provides any findings, proposals, suggestions or other feedback ("Feedback") to Nokia regarding the Licensed Software, Nokia shall own all right, title and interest including the intellectual property rights in and to such Feedback, excluding however any existing patent rights of Licensee. To the extent Licensee owns or controls any patents for such Feedback Licensee hereby grants to Nokia and its Affiliates, a worldwide, perpetual, non-transferable, sublicensable, royalty-free license to (i) use, copy and modify Feedback and to create derivative works thereof, (ii) to make (and have made), use, import, sell, offer for sale, lease, dispose, offer for disposal or otherwise exploit any products or services of Nokia containing Feedback, and (iii) sublicense all the foregoing rights to third party licensees and customers of Nokia and/or its Affiliates.

3. VALIDITY OF THE AGREEMENT

By installing, copying, or otherwise using the Licensed Software, Licensee agrees to be bound by the terms of this Agreement. If Licensee does not agree to the terms of this Agreement, Licensee may not install, copy, or otherwise use the Licensed Software. Upon Licensee's acceptance of the terms and conditions of this Agreement, Nokia grants Licensee the right to use the Licensed Software in the manner provided below.

4. LICENSES

4.1. Using and Copying

Nokia grants to Licensee a non-exclusive, non-transferable, time-limited license to use and copy the Licensed Software for sole purpose of evaluating the Licensed Software during the Term.

Licensee may install copies of the Licensed Software on an unlimited number of computers provided that (a) if an individual, only such individual; or (b) if a legal entity only its employees; use the
Licensed Software for the authorized purposes.

4.2. No Distribution or Modifications

Licensee may not disclose, modify, sell, market, commercialise, distribute, loan, rent, lease, or license the Licensed Software or any copy of it or use the Licensed Software for any purpose that is not expressly granted in this Section 4. Licensee may not alter or remove any details of ownership, copyright, trademark or other property right connected with the Licensed Software. Licensee may not distribute any software statically or dynamically linked with the Licensed Software.

4.3. No Technical Support

Nokia has no obligation to furnish Licensee with any technical support whatsoever. Any such support is subject to separate agreement between the Parties.

5. THIRD PARTY SOFTWARE

The Licensed Software may provide links to third party libraries or code (collectively "Third Party Software") to implement various functions. Third Party Software does not comprise part of the Licensed Software. In some cases, access to Third Party Software may be included along with the Licensed Software delivery as a convenience for development and testing only. Such source code and libraries may be listed in the ".../src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software where the Third Party Software is used, as may be amended from time to time, do not comprise the Licensed Software. Licensee acknowledges (1) that some part of Third Party Software may require additional licensing of copyright and patents from the owners of such, and (2) that distribution of any of the Licensed Software referencing any portion of a Third Party Software may require appropriate licensing from such third parties.

6. LIMITED WARRANTY AND WARRANTY DISCLAIMER

The Licensed Software is licensed to Licensee "as is". To the maximum extent permitted by applicable law, Nokia on behalf of itself and its suppliers, disclaims all warranties and conditions, either express or implied, including, but not limited to, implied warranties of merchantability, fitness for a particular purpose, title and non-infringement with regard to the Licensed Software.
7. LIMITATION OF LIABILITY

If, Nokia's warranty disclaimer notwithstanding, Nokia is held liable to Licensee, whether in contract, tort or any other legal theory, based on the Licensed Software, Nokia's entire liability to Licensee and Licensee's exclusive remedy shall be, at Nokia's option, either (A) return of the price Licensee paid for the Licensed Software, or (B) repair or replacement of the Licensed Software, provided Licensee returns to Nokia all copies of the Licensed Software as originally delivered to Licensee. Nokia shall not under any circumstances be liable to Licensee based on failure of the Licensed Software if the failure resulted from accident, abuse or misapplication, nor shall Nokia under any circumstances be liable for special damages, punitive or exemplary damages, damages for loss of profits or interruption of business or for loss or corruption of data. Any award of damages from Nokia to Licensee shall not exceed the total amount Licensee has paid to Nokia in connection with this Agreement.

8. CONFIDENTIALITY

Each party acknowledges that during the Term of this Agreement it shall have access to information about the other party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other party, and the value of which would be significantly reduced if disclosed to third parties (the "Confidential Information"). Accordingly, when a party (the "Receiving Party") receives Confidential Information from another party (the "Disclosing Party"), the Receiving Party shall, and shall obligate its employees and agents and employees and agents of its Affiliates to: (i) maintain the Confidential Information in strict confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each party shall take reasonable measures to protect the Confidential Information of the other party, which measures shall not be less than the measures taken by such party to protect its own confidential and proprietary information.

"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by the Receiving Party without access to the Confidential Information of the Disclosing
Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means.

The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Nokia and Licensee conflict with the terms of this Section 8, this Section 8 shall be controlling over the terms of the Non-Disclosure Agreement.

9. GENERAL PROVISIONS

9.1 No Assignment

Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Nokia, which shall not be unreasonably withheld.

9.2 Termination

Nokia may terminate the Agreement at any time immediately upon written notice by Nokia to Licensee if Licensee breaches this Agreement.

Upon termination of this Agreement, Licensee shall return to Nokia all copies of Licensed Software that were supplied by Nokia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Nokia a written confirmation that this has occurred.

9.3 Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections: 2, 5, 6, 7, 8, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, and 9.8 of this Agreement.
9.4. Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 8. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Nokia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

9.5. Export Control

Licensee acknowledges that the Licensed Software may be subject to export control restrictions of various countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the importation of the Licensed Software and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Licensed Software.

9.6. Governing Law and Legal Venue

This Agreement shall be governed by and construed in accordance with the federal laws of the United States of America and the internal laws of the State of New York without given effect to any choice of law rule that would result in the application of the laws of any other jurisdiction. The United Nations Convention on Contracts for the International Sale of Goods (CISG) shall not apply. Each Party (a) hereby irrevocably submits itself to and consents to the jurisdiction of the United States District Court for the Southern District of New York (or if such court lacks jurisdiction, the state courts of the State of New York) for the purposes of any action, claim, suit or proceeding between the Parties in connection with any controversy, claim, or dispute arising out of or relating to this Agreement; and (b) hereby waives, and agrees not to assert by way of motion, as a defense or otherwise, in any such action, claim, suit or proceeding, any claim that is not personally subject to the jurisdiction of such court(s), that the action, claim, suit or proceeding is brought in an inconvenient forum or that the venue of the action, claim, suit or
proceeding is improper. Notwithstanding the foregoing, nothing in this Section 9.6 is intended to, or shall be deemed to, constitute a submission or consent to, or selection of, jurisdiction, forum or venue for any action for patent infringement, whether or not such action relates to this Agreement.

9.7. No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with Nokia and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software with any other software or hardware not delivered by Nokia under this Agreement.

9.8. Government End Users

A "U.S. Government End User" shall mean any agency or entity of the government of the United States. The following shall apply if Licensee is a U.S. Government End User. The Licensed Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation," as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire the Licensed Software with only those rights set forth herein. The Licensed Software (including related documentation) is provided to U.S. Government End Users: (a) only as a commercial end item; and (b) only pursuant to this Agreement.

Bitstream Vera Fonts Copyright

The fonts have a generous copyright, allowing derivative works (as long as "Bitstream" or "Vera" are not in the names), and full redistribution (so long as they are not *sold* by themselves). They can be bundled, redistributed and sold with any software.

The fonts are distributed under the following copyright:

Copyright
========

Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trademark of Bitstream, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute
the Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Bitstream" or the word "Vera".

This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Bitstream Vera" names.

The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by itself.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the names of Gnome, the Gnome Foundation, and Bitstream Inc., shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from the Gnome Foundation or Bitstream Inc., respectively. For further information, contact: fonts at gnome dot org.

Copyright FAQ
============

1. I don't understand the resale restriction... What gives?

Bitstream is giving away these fonts, but wishes to ensure its competitors can't just drop the fonts as is into a font sale system and sell them as is. It seems fair that if Bitstream can't make money...
from the Bitstream Vera fonts, their competitors should not be able to do so either. You can sell the fonts as part of any software package, however.

2. I want to package these fonts separately for distribution and sale as part of a larger software package or system. Can I do so?

Yes. A RPM or Debian package is a "larger software package" to begin with, and you aren't selling them independently by themselves. See 1. above.

3. Are derivative works allowed?

Yes!

4. Can I change or add to the font(s)?

Yes, but you must change the name(s) of the font(s).

5. Under what terms are derivative works allowed?

You must change the name(s) of the fonts. This is to ensure the quality of the fonts, both to protect Bitstream and Gnome. We want to ensure that if an application has opened a font specifically of these names, it gets what it expects (though of course, using fontconfig, substitutions could still could have occurred during font opening). You must include the Bitstream copyright. Additional copyrights can be added, as per copyright law. Happy Font Hacking!

6. If I have improvements for Bitstream Vera, is it possible they might get adopted in future versions?

Yes. The contract between the Gnome Foundation and Bitstream has provisions for working with Bitstream to ensure quality additions to the Bitstream Vera font family. Please contact us if you have such additions. Note, that in general, we will want such additions for the entire family, not just a single font, and that you'll have to keep both Gnome and Jim Lyles, Vera's designer, happy! To make sense to add glyphs to the font, they must be stylistically in keeping with Vera's design. Vera cannot become a "ransom note" font. Jim Lyles will be providing a document describing the design elements used in Vera, as a guide and aid for people interested in contributing to Vera.

7. I want to sell a software package that uses these fonts: Can I do so?

Sure. Bundle the fonts with your software and sell your software with the fonts. That is the intent of the copyright.

8. If applications have built the names "Bitstream Vera" into them, can I override this somehow to use fonts of my choosing?
This depends on exact details of the software. Most open source systems and software (e.g., Gnome, KDE, etc.) are now converting to use fontconfig (see www.fontconfig.org) to handle font configuration, selection and substitution; it has provisions for overriding font names and substituting alternatives. An example is provided by the supplied local.conf file, which chooses the family Bitstream Vera for "sans", "serif" and "monospace". Other software (e.g., the XFree86 core server) has other mechanisms for font substitution.

PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

This is JavaScriptCore's variant of the PCRE library. While this library started out as a copy of PCRE, many of the features of PCRE have been removed.

Copyright (c) 1997-2005 University of Cambridge. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the University of Cambridge nor the name of Apple Inc. nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified
version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:
0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may
differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

The FreeType 2 font engine is copyrighted work and cannot be used legally without a software license. In order to make this project usable to a vast majority of developers, we distribute it under two mutually exclusive open-source licenses.

This means that *you* must choose *one* of the two licenses described below, then obey all its terms and conditions when using FreeType 2 in any of your projects or products.

- The FreeType License, found in the file `FTL.TXT', which is similar to the original BSD license *with* an advertising clause that forces you to explicitly cite the FreeType project in your product's documentation. All details are in the license file. This license is suited to products which don't use the GNU General Public License.

- The GNU General Public License version 2, found in `GPL.TXT' (any later version can be used also), for programs which already use the GPL. Note that the FTL is incompatible with the GPL due to its advertisement clause.

The contributed PCF driver comes with a license similar to that of the X Window System. It is compatible to the above two licenses (see file src/pcf/readme).

--- end of LICENSE.TXT ---

GNU GENERAL PUBLIC LICENSE

The Qt GUI Toolkit is Copyright (C) 2010 Nokia Corporation and/or its subsidiary(-ies).
Contact: Nokia Corporation (qt-info@nokia.com)

You may use, distribute and copy the Qt GUI Toolkit under the terms of GNU General Public License version 3, which is displayed below.

---------------------------------------------------------------

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based
To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.
When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.
A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party).
that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that
Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within
the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

In addition, as a special exception, Nokia gives permission to link the code of its release of Qt with the OpenSSL project's "OpenSSL" library (or modified versions of it that use the same license as the "OpenSSL" library), and distribute the linked executables. You must comply with the GNU General Public License versions 2.0 or 3.0 in all respects for all of the code used other than the "OpenSSL" code. If you modify this file, you may extend this exception to your version of the file, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version of this file.

Qt COMMERCIAL LICENSE AGREEMENT
Agreement version 3.8

This Qt Commercial License Agreement ("Agreement") is a legal agreement between Nokia Corporation ("Nokia"), with its registered office at Keilalahdentie 4, 02150 Espoo, Finland and you (either an individual or a legal entity) ("Licensee") for the Licensed Software (as defined below).

1. DEFINITIONS

"Affiliate" of a Party shall mean an entity (i) which is directly or indirectly controlling such Party; (ii) which is under the same direct or indirect ownership or control as such Party; or (iii) which is directly or indirectly owned or controlled by such Party. For these purposes, an entity shall be treated as being controlled by another if that other entity has fifty percent (50 %) or more of the votes in such entity, is able to direct its affairs and/or to control the composition of its board of directors or equivalent body.

"Applications" shall mean Licensee's software products created using the Licensed Software which may include portions of the Licensed Software.

"Designated User(s)" shall mean the employee(s) of Licensee acting within the scope of their employment or Licensee's consultant(s) or contractor(s) acting within the scope of their services for Licensee and on behalf of Licensee.

"Initial Term" shall mean the period of time one (1) year from the later of (a) the Effective Date; or (b) the date the Licensed Software was initially delivered to Licensee by Nokia. If no specific Effective Date is set forth in the Agreement, the Effective Date shall be deemed to be the date the Licensed Software was initially delivered to Licensee.
"License Certificate" shall mean the document accompanying the Licensed Software which specifies the modules which are licensed under the Agreement, Platforms and Designated Users.

"Licensed Software" shall mean the computer software, "online" or electronic documentation, associated media and printed materials, including the source code, example programs and the documentation delivered by Nokia to Licensee in conjunction with this Agreement. Licensed Software does not include Third Party Software (as defined in Section 7).

"Modified Software" shall mean modifications made to the Licensed Software by Licensee.

"Party" or "Parties" shall mean Licensee and/or Nokia.

"Platforms" shall mean the operating systems listed in the License Certificate.

"Redistributables" shall mean the portions of the Licensed Software set forth in Appendix 1, Section 1 that may be distributed with or as part of Applications in object code form.

"Support" shall mean standard developer support that is provided by Nokia to assist eligible Designated Users in using the Licensed Software in accordance with its established standard support procedures listed at: http://qt.nokia.com/support-services/files/standardsupport-TermsandConditions.pdf.

"Updates" shall mean a release or version of the Licensed Software containing enhancement, new features, bug fixes, error corrections and other changes that are generally made available to users of the Licensed Software that have contracted for maintenance and support.

2. OWNERSHIP

The Licensed Software is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Licensed Software is licensed, not sold.

Nokia shall own all right, title and interest including the intellectual property rights in and to the information on bug fixes or error corrections relating to the Licensed Software that are submitted by Licensee to Nokia as well as any intellectual property rights to the correction of any errors, if any. To the extent any rights do not automatically vest in Nokia, Licensee assigns, and shall ensure that all of its Affiliates, agents, subcontractors and employees assign, all such rights to Nokia. All Nokia's and/or its licensors' trademarks, service marks, trade names, logos or other words or symbols are and shall remain the exclusive property of Nokia or its licensors respectively.

3. MODULES

Some of the files in the Licensed Software have been grouped into Modules. These files contain specific notices defining the Module of which they are a part. The Modules licensed to Licensee are specified in the License Certificate. The terms of the License Certificate are considered part of the Agreement. In the event of inconsistency or conflict between the language of this Agreement and the License Certificate, the provisions of this Agreement shall govern.

4. VALIDITY OF THE AGREEMENT
By installing, copying, or otherwise using the Licensed Software, Licensee agrees to be bound by the terms of this Agreement. If Licensee does not agree to the terms of this Agreement, Licensee may not install, copy, or otherwise use the Licensed Software. In addition, by installing, copying, or otherwise using any Updates or other components of the Licensed Software that Licensee receives separately as part of the Licensed Software, Licensee agrees to be bound by any additional license terms that accompany such Updates, if any. If Licensee does not agree to the additional license terms that accompany such Updates, Licensee may not install, copy, or otherwise use such Updates.

Upon Licensee's acceptance of the terms and conditions of this Agreement, Nokia grants Licensee the right to use the Licensed Software in the manner provided below.

5. LICENSES

5.1 Using, modifying and copying

Nokia grants to Licensee a non-exclusive, non-transferable, perpetual license to use, modify and copy the Licensed Software for the Designated User(s) specified in the License Certificate for the sole purposes of designing, developing, and testing Application(s).

Licensee may install copies of the Licensed Software on an unlimited number of computers provided that only the Designated Users use the Licensed Software. Licensee may at any time designate another Designated User to replace a then-current Designated User by notifying Nokia, provided that a) the then-current Designated User has not been designated as a replacement during the last six (6) months; and b) there is no more than the specified number of Designated Users at any given time.

5.2 Redistribution

a) Nokia grants Licensee a non-exclusive, royalty-free right to reproduce and distribute the object code form of Redistributables for execution on the specified Platforms. Copies of Redistributables may only be distributed with and for the sole purpose of executing Applications permitted under this Agreement that Licensee has created using the Licensed Software. Under no circumstances may any copies of Redistributables be distributed separately. This Agreement does not give Licensee any rights to distribute any of the parts of the Licensed Software listed in Appendix 1, Section 2, neither as a whole nor as parts or snippets of code.

b) Licensee may not distribute, transfer, assign or otherwise dispose of Applications and/or Redistributables, in binary/compiled form, or in any other form, if such action is part of a joint software and hardware distribution, except as provided by a separate runtime distribution license with Nokia or one of its authorized distributors. A joint hardware and software distribution shall be defined as either:

(i) distribution of a hardware device where, in its final end user configuration, the main user interface of the device is provided by Application(s) created by Licensee or others, using a commercial version of Qt or a Qt-based product, and depends on the Licensed Software or an open source version of any Qt or Qt-based software product; or

(ii) distribution of the Licensed Software with a device designed to facilitate the installation of the Licensed Software onto the same device where the main user interface of such device is provided by Application(s) created by Licensee or others, using a commercial version of Qt or a Qt-based product, and depends on the Licensed Software.

5.3 Further Requirements
The licenses granted in this Section 5 by Nokia to Licensee are subject to Licensee's compliance with Section 8 of this Agreement.

6. VERIFICATION

Nokia or a certified auditor on Nokia's behalf, may, upon its reasonable request and at its expense, audit Licensee with respect to the use of the Licensed Software. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. Nokia shall not remove, copy, or redistribute any electronic material during the course of an audit. If an audit reveals that Licensee is using the Licensed Software in a way that is in material violation of the terms of the Agreement, then Licensee shall pay Nokia's reasonable costs of conducting the audit. In the case of a material violation, Licensee agrees to pay Nokia any amounts owing that are attributable to the unauthorized use. In the alternative, Nokia reserves the right, at Nokia's sole option, to terminate the licenses for the Licensed Software.

7. THIRD PARTY SOFTWARE

The Licensed Software may provide links to third party libraries or code (collectively "Third Party Software") to implement various functions. Third Party Software does not comprise part of the Licensed Software. In some cases, access to Third Party Software may be included along with the Licensed Software delivery as a convenience for development and testing only. Such source code and libraries may be listed in the "/src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software where the Third Party Software is used, as may be amended from time to time, do not comprise the Licensed Software. Licensee acknowledges (1) that some part of Third Party Software may require additional licensing of copyright and patents from the owners of such, and (2) that distribution of any of the Licensed Software referencing any portion of a Third Party Software may require appropriate licensing from such third parties.

8. CONDITIONS FOR CREATING APPLICATIONS AND DISTRIBUTING REDISTRIBUTABLES

The licenses granted in this Agreement for Licensee to create Applications and distribute them and the Redistributables (if any) to Licensee's customers is subject to all of the following conditions: (i) all copies of the Applications which Licensee creates must bear a valid copyright notice, either Licensee's own or the copyright notice that appears on the Licensed Software; (ii) Licensee may not remove or alter any copyright, trademark or other proprietary rights notice contained in any portion of the Licensed Software, including but not limited to the About Boxes in "Qt Assistant" and "Qt Linguist" as defined in Appendix 1; (iii) Redistributables, if any, shall be licensed to Licensee's customer "as is"; (iv) Licensee shall indemnify and hold Nokia, its Affiliates, contractors, and its suppliers, harmless from and against any claims or liabilities arising out of the use, reproduction or distribution of Applications; (v) Applications must be developed using a licensed, registered copy of the Licensed Software; (vi) Applications must add primary and substantial functionality to the Licensed Software; (vii) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software, however Licensee may use the Licensed Software's scripting functionality solely in order to enable scripting that augments the functionality of the Application(s) without adding primary and substantial functionality to the Application(s); (viii) Applications may not compete with the Licensed Software; (ix) Licensee may not use Nokia's or any of its suppliers' names, logos, or trademarks to market Application(s), except to state that Application was developed using the Licensed Software.

NOTE: The Open Source Editions of Nokia's Qt products and the Qt, Qtopia and Qt Extended versions previously
licensed by Trolltech (collectively referred to as "Products") are licensed under the terms of the GNU Lesser General Public License version 2.1 ("LGPL") and/or the GNU General Public License versions 2.0 and 3.0 ("GPL") (as applicable) and not under this Agreement. If Licensee, or another third party, has, at any time, developed all (or any portions of) the Application(s) using a version of one of these Products licensed under the LGPL or the GPL, Licensee may not combine such development work with the Licensed Software and must license such Application(s) (or any portions derived there from) under the terms of the GNU Lesser General Public License version 2.1 (Qt only) or GNU General Public License version 2.0 (Qt, Qtopia and Qt Extended) or version 3 (Qt only) copies of which are located at http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html, http://www.fsf.org/licensing/licenses/info/GPLv2.html, and http://www.gnu.org/copyleft/gpl.html.

9. LIMITED WARRANTY AND WARRANTY DISCLAIMER

Nokia hereby represents and warrants with respect to the Licensed Software that it has the power and authority to grant the rights and licenses granted to Licensee under this Agreement. Except as set forth above, the Licensed Software is licensed to Licensee "as is". To the maximum extent permitted by applicable law, Nokia on behalf of itself and its suppliers, disclaims all warranties and conditions, either express or implied, including, but not limited to, implied warranties of merchantability, fitness for a particular purpose, title and non-infringement with regard to the Licensed Software.

10. LIMITATION OF LIABILITY

If, Nokia's warranty disclaimer notwithstanding, Nokia is held liable to Licensee, whether in contract, tort or any other legal theory, based on the Licensed Software, Nokia's entire liability to Licensee and Licensee's exclusive remedy shall be, at Nokia's option, either (A) return of the price Licensee paid for the Licensed Software, or (B) repair or replacement of the Licensed Software, provided Licensee returns to Nokia all copies of the Licensed Software as originally delivered to Licensee. Nokia shall not under any circumstances be liable to Licensee based on failure of the Licensed Software if the failure resulted from accident, abuse or misapplication, nor shall Nokia under any circumstances be liable for special damages, punitive or exemplary damages, damages for loss of profits or interruption of business or for loss or corruption of data. Any award of damages from Nokia to Licensee shall not exceed the total amount Licensee has paid to Nokia in connection with this Agreement.

11. SUPPORT AND UPDATES

Licensee shall be eligible to receive Support and Updates during the Initial Term, in accordance with Nokia's then current policies and procedures, if any. Such policies and procedures may be changed from time to time. Following the Initial Term, Nokia shall no longer make the Licensed Software available to Licensee unless Licensee purchases additional Support and Updates according to this Section 11 below.

Licensee may purchase additional Support and Updates following the Initial Term at Nokia's terms and conditions applicable at the time of renewal.

12. CONFIDENTIALITY

Each party acknowledges that during the Initial Term of this Agreement it shall have access to information about the other party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other party, and the value of which would be significantly reduced if disclosed to third parties (the "Confidential Information").
Accordingly, when a party (the "Receiving Party") receives Confidential Information from another party (the "Disclosing Party"), the Receiving Party shall, and shall obligate its employees and agents and employees and agents of its affiliates to: (i) maintain the Confidential Information in strict confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each party shall take reasonable measures to protect the Confidential Information of the other party, which measures shall not be less than the measures taken by such party to protect its own confidential and proprietary information.

"Confidential Information" shall not include information that: (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by the Receiving Party without access to the Confidential Information of the Disclosing Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means.

The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Nokia and Licensee conflict with the terms of this Section 12, this Section 12 shall be controlling over the terms of the Non-Disclosure Agreement.

13. GENERAL PROVISIONS

13.1 Marketing

Nokia may include Licensee's company name and logo in a publicly available list of Nokia customers and in its public communications.

13.2 No Assignment

Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Nokia, which shall not be unreasonably withheld.

13.3 Termination

Nokia may terminate the Agreement at any time immediately upon written notice by Nokia to Licensee if Licensee breaches this Agreement.

Either party shall have the right to terminate this Agreement immediately upon written notice in the event that the other party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other party.

Upon termination of this Agreement, Licensee shall return to Nokia all copies of Licensed Software that were
supplied by Nokia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Nokia a written confirmation that this has occurred.

13.4 Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections: 2, 5.1, 6, 7, 8(iv), 10, 12, 13.5, 13.6, 13.9, 13.10 and 13.11 of this Agreement. Notwithstanding the foregoing, Section 5.1 shall not survive if the Agreement is terminated for material breach.

13.5 Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Nokia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

13.6 Payment and Taxes

If credit has been extended to Licensee by Nokia, all payments under this Agreement are due within thirty (30) days of the date Nokia mails its invoice to Licensee. If Nokia has not extended credit to Licensee, Licensee shall be required to make payment concurrent with the delivery of the Licensed Software by Nokia. All amounts payable are gross amounts but exclusive of any value added tax, use tax, sales tax or similar tax. Licensee shall be entitled to withhold from payments any applicable withholding taxes and comply with all applicable tax and employment legislation. Each party shall pay all taxes (including, but not limited to, taxes based upon its income) or levies imposed on it under applicable laws, regulations and tax treaties as a result of this Agreement and any payments made hereunder (including those required to be withheld or deducted from payments). Each party shall furnish evidence of such paid taxes as is sufficient to enable the other party to obtain any credits available to it, including original withholding tax certificates.

13.7 Force Majeure

Neither party shall be liable to the other for any delay or non-performance of its obligations hereunder other than the obligation of paying the license fees in the event and to the extent that such delay or non-performance is due to an event of Force Majeure (as defined below). If any event of Force Majeure results in a delay or non-performance of a party for a period of three (3) months or longer, then either party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other party. A "Force Majeure" event shall mean an act of God, terrorist attack or other catastrophic event of nature that prevents either party for fulfilling its obligations under this Agreement.

13.8 Notices
Any notice given by one party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified below. Each communication and document made or delivered by one party to the other party pursuant to this Agreement shall be in the English language or accompanied by a translation thereof.

Notices to Nokia shall be given to:

Nokia Norge AS
Sandakerveien 116
NO-0484 Oslo, Norway
Fax: +47 21 69 48 02

13.9 Export Control

Licensee acknowledges that the Licensed Software may be subject to export control restrictions of various countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the importation of the Licensed Software and/or Modified Software and/or Applications and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Licensed Software, Modified Software or Applications.

13.10 Governing Law and Legal Venue

This Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions. Any disputes arising out of or relating to this Agreement shall be resolved in arbitration under the Rules of Arbitration of the Chamber of Commerce of Helsinki, Finland. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language.

13.11 No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with Nokia and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software and Modified Software, as applicable, with any other software or hardware not delivered by Nokia under this Agreement.

Appendix 1

1. Parts of the Licensed Software that are permitted for distribution ("Redistributables"):

- The Licensed Software's main and plug-in libraries in object code form
- The Licensed Software's configuration tool ("qtconfig")
- The Licensed Software's help tool in object code/executable form ("Qt Assistant")
- The Licensed Software's internationalization tools in object code/executable form ("Qt Linguist", "lupdate", "lrelease")
- The Licensed Software's designer tool ("Qt Designer")
- The Licensed Software's IDE tool ("Qt Creator")

2. Parts of the Licensed Software that are not permitted for distribution include, but are not limited to:

- The Licensed Software's source code and header files
- The Licensed Software's documentation
- The Licensed Software's tool for writing makefiles ("qmake")
- The Licensed Software's Meta Object Compiler ("moc")
- The Licensed Software's User Interface Compiler ("uic" or in the case of Qt Jambi: "juic")
- The Licensed Software's Resource Compiler ("rcc")
- The Licensed Software's generator (only in the case of Qt Jambi if applicable)
- The Licensed Software's Qt SDK

1.623 c3p0 0.9.5.4

1.623.1 Available under license:

Found license 'Eclipse Public License 1.0' in 'This library is free software; you can redistribute it and/or modify 1)
The GNU Lesser General Public License (LGPL), version 2.1, as published by the Free Software Foundation 2) The Eclipse Public License (EPL), version 1.0 This software is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. LGPL v2.1: http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html
Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and
b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and
(ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED.
INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United
States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

Found license 'GNU Lesser General Public License' in 'This library is free software; you can redistribute it and/or modify 1) The GNU Lesser General Public License (LGPL), version 2.1, as published by the Free Software Foundation 2) The Eclipse Public License (EPL), version 1.0. This software is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. LGPL v2.1: http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html'

1.624 xml-apis 1.4.01

1.624.1 Available under license:

xml-commons/java/external/LICENSE.dom-software.txt $Id: LICENSE.dom-software.txt 734314 2009-01-14 03:33:27Z mrglavas$

This license came from: http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/java-binding.zip (COPYRIGHT.html)

W3C SOFTWARE NOTICE AND LICENSE


All Rights Reserved.

The DOM bindings are published under the W3C Software Copyright Notice and License. The software license requires "Notice of any changes or modifications to the W3C files, including the date changes were made." Consequently, modified versions of the DOM bindings must document that they do not conform to the W3C standard; in the case of the IDL definitions, the pragma prefix can no longer be 'w3c.org'; in the case of the Java language binding, the package names can no longer be in the 'org.w3c' package.

Note: The original version of the W3C Software Copyright Notice and License could be found at http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms
and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.

3. Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

=========================================================================== NOTICE file corresponding to section 4(d) of the Apache License, Version 2.0, in this case for the Apache xml-commons xml-apis distribution. ==

Apache XML Commons XML APIs
Copyright 1999-2009 The Apache Software Foundation.

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions of this software were originally based on the following:
- software copyright (c) 2000 World Wide Web Consortium, http://www.w3.org

<?xml version="1.0" encoding="iso-8859-1"?>
<!-- $Id: LICENSE.sac.html 477037 2006-11-20 04:30:53Z mrglavas $ -->


This W3C work (including software, documents, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions:

Permission to use, copy, and modify this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications, that you make:

The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.

Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, a short notice of the following form (hypertext is preferred, text is permitted) should be used within the body of any redistributed or derivative code: "Copyright 2002 World Wide Web Consortium"
Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio University. All Rights Reserved.

Notice of any changes or modifications to the W3C files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This license came from: http://www.w3.org/Consortium/Legal/copyright-documents-20021231

W3C DOCUMENT LICENSE

Public documents on the W3C site are provided by the copyright holders under the following license. By using and/or copying this document, or the W3C document from which this statement is linked, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions:

Permission to copy, and distribute the contents of this document, or the W3C document from which this statement is linked, in any medium for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the document, or portions thereof, that you use:

1. A link or URL to the original W3C document.
2. The pre-existing copyright notice of the original author, or if it doesn’t exist, a notice (hypertext is preferred, but a textual representation is permitted) of the form: "Copyright [date-of-document] World Wide Web Consortium, (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University). All Rights Reserved.
http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231"

3. If it exists, the STATUS of the W3C document.

When space permits, inclusion of the full text of this NOTICE should be provided. We request that authorship attribution be provided in any software, documents, or other items or products that you create pursuant to the implementation of the contents of this document, or any portion thereof.

No right to create modifications or derivatives of W3C documents is granted pursuant to this license. However, if additional requirements (documented in the Copyright FAQ) are satisfied, the right to create modifications or derivatives is sometimes granted by the W3C to individuals compliance with those requirements.

THIS DOCUMENT IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR TITLE; THAT THE CONTENTS OF THE DOCUMENT ARE SUITABLE FOR ANY PURPOSE; NOR THAT THE IMPLEMENTATION OF SUCH CONTENTS WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE DOCUMENT OR THE PERFORMANCE OR IMPLEMENTATION OF THE CONTENTS THEREOF.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to this document or its contents without specific, written prior permission. Title to copyright in this document will at all times remain with copyright holders.

-----------------------------------------------------------------------

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, moves information on style sheets, DTDs, and schemas to the Copyright FAQ, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". See the older formulation for the policy prior to this date. Please see our Copyright FAQ for common questions about using materials from our site, such as the translating or annotating specifications. Other questions about this notice can be directed to site-policy@w3.org.
Joseph Reagle <site-policy@w3.org>

Last revised by Reagle $Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) $

This license came from: http://www.megginson.com/SAX/copying.html
However please note future versions of SAX may be covered
under http://saxproject.org/?selected=pd

This page is now out of date -- see the new SAX site at
http://www.saxproject.org/ for more up-to-date
releases and other information. Please change your bookmarks.

SAX2 is Free!

I hereby abandon any property rights to SAX 2.0 (the Simple API for
XML), and release all of the SAX 2.0 source code, compiled code, and
documentation contained in this distribution into the Public Domain.
SAX comes with NO WARRANTY or guarantee of fitness for any
purpose.

David Megginson, david@megginson.com
2000-05-05

1.625 axiom-api 1.2.6
1.625.1 Available under license :

=========================================================================
== NOTICE file corresponding to the section 4 d of ==
== the Apache License, Version 2.0, ==
== in this case for the Apache AXIOM distribution. ==
=========================================================================

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).
 Portions Copyright 2006 International Business Machines Corp.

Please read the different LICENSE files present in the licenses directory of
this distribution.

 Apache License
 Version 2.0, January 2004
 http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS.

WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.626 d-bus 1.12.8

1.626.1 Available under license:

D-Bus is licensed to you under your choice of the Academic Free License version 2.1, or the GNU General Public License version 2 (or, at your option any later version).

Both licenses are included here. Some of the standalone binaries are under the GPL only; in particular, but not limited to, tools/dbus-cleanup-sockets.c and test/decode-gcov.c. Each source code file is marked with the proper copyright information - if you find a file that isn't marked please bring it to our attention.

The Academic Free License

v. 2.1

This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work:

Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license to do the following:

a) to reproduce the Original Work in copies;

b) to prepare derivative works ("Derivative Works") based upon the Original Work;

c) to distribute copies of the Original Work and Derivative Works to the public;

d) to perform the Original Work publicly; and

e) to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and
offer for sale the Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately proceeding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT
WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its
conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

--

END OF ACADEMIC FREE LICENSE. The following is intended to describe the essential differences between the Academic Free License (AFL) version 1.0 and other open source licenses:

The Academic Free License is similar to the BSD, MIT, UoI/NCSA and Apache
licenses in many respects but it is intended to solve a few problems with those licenses.

* The AFL is written so as to make it clear what software is being licensed (by the inclusion of a statement following the copyright notice in the software). This way, the license functions better than a template license. The BSD, MIT and UoI/NCSA licenses apply to unidentified software.

* The AFL contains a complete copyright grant to the software. The BSD and Apache licenses are vague and incomplete in that respect.

* The AFL contains a complete patent grant to the software. The BSD, MIT, UoI/NCSA and Apache licenses rely on an implied patent license and contain no explicit patent grant.

* The AFL makes it clear that no trademark rights are granted to the licensor's trademarks. The Apache license contains such a provision, but the BSD, MIT and UoI/NCSA licenses do not.

* The AFL includes the warranty by the licensor that it either owns the copyright or that it is distributing the software under a license. None of the other licenses contain that warranty. All other warranties are disclaimed, as is the case for the other licenses.

* The AFL is itself copyrighted (with the right granted to copy and distribute without modification). This ensures that the owner of the copyright to the license will control changes. The Apache license contains a copyright notice, but the BSD, MIT and UoI/NCSA licenses do not.

--
START OF GNU GENERAL PUBLIC LICENSE
--

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products
   derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.627 commons-codec 1.6

1.627.1 Available under license:

Apache Commons Codec
Copyright 2002-2011 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

------------------------------------------------------------------------

src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java contains
test data from http://aspell.sourceforge.net/test/batch0.tab.

Copyright (C) 2002 Kevin Atkinson (kevina@gnu.org). Verbatim copying
and distribution of this entire article is permitted in any medium,
provided this notice is preserved.

------------------------------------------------------------------------

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.628 mqtt-client 1.3
1.629 centos-release 8.1-1.1911.0.9.el8

1.629.1 Available under license:

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than 'show w' and 'show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.630 activemq-camel 5.15.14
1.630.1 Available under license:

ActiveMQ :: Camel
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "["] replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a
Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.631 slf4j 1.7.25
1.631.1 Available under license :

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="content-type" content="text/html; charset=iso-8859-1" />
<title>SLF4J License</title>
<link rel="stylesheet" type="text/css" media="screen" href="css/site.css" />
</head>
<body>
<script type="text/javascript">prefix='';</script>

<script src="templates/header.js" type="text/javascript"></script>
<div id="left">
<script src="templates/left.js" type="text/javascript"></script>
</div>
<div id="right">
<script src="templates/right.js" type="text/javascript"></script>
</div>
<div id="content">

<h1>Licensing terms for SLF4J</h1>

<item>SLF4J source code and binaries are distributed under the
MIT license.
</p>

<div class="source">
Copyright (c) 2004-2017 QOS.ch
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
</div>

<p>These terms are identical to those of the <a href="http://en.wikipedia.org/wiki/MIT_License">MIT License</a>, also called the X License or the X11 License, which is a simple, permissive non-copyleft free software license. It is deemed compatible with virtually all types of licenses, commercial or otherwise. In particular, the Free Software Foundation has declared it compatible with <a href="http://www.fsf.org/licensing/licenses/license-list.html#GPLCompatibleLicenses">GNU GPL</a>. It is also known to be approved by the Apache Software Foundation as compatible with <a href="http://www.apache.org/licenses/">Apache Software License</a>.</p>

<script src="templates/footer.js" type="text/javascript"></script>

</div>
</body>
</html>

Copyright (c) 2004-2017 QOS.ch
All rights reserved.
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.632 polkit 0.115 9.el8
1.632.1 Available under license:

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is
analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is
"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.
You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above,

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Library General Public License for more details.

You should have received a copy of the GNU Library General Public
License along with this library; if not, write to the
Free Software Foundation, Inc., 59 Temple Place - Suite 330,
Boston, MA 02111-1307 USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
    Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
    stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
    that You distribute, all copyright, patent, trademark, and
    attribution notices from the Source form of the Work,
    excluding those notices that do not pertain to any part of
    the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
    distribution, then any Derivative Works that You distribute must
    include a readable copy of the attribution notices contained
    within such NOTICE file, excluding those notices that do not
    pertain to any part of the Derivative Works, in at least one
    of the following places: within a NOTICE text file distributed
    as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing

Open Source Used In CSPC_Collector 2.9.1 6662
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.633 json-simple-ordered 2.25.2
1.633.1 Available under license :

=================================================================================
== NOTICE file corresponding to the section 4 d of ==
== the Apache License, Version 2.0, ==
== in this case for the Apache Camel distribution. ==
=================================================================================

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

This product includes software developed by

Please read the different LICENSE files present in the licenses directory of
this distribution.

Camel :: Json Simple Ordered
Copyright 2007-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.
"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.
To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.634 pinentry 1.1.0 2.el8
1.634.1 Available under license:

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

675 Mass Ave, Cambridge, MA 02139, USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
   
   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
   
   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

1.635 gstreamer 1.16.1
1.635.1 Available under license :
GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without
changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
   
a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.
You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Library General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and
"any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.636 woodstox-core-asl 4.2.0
1.636.1 Available under license:

No license file was found, but licenses were detected in source scan.

/* Woodstox XML processor */
*  * Copyright (c) 2004 Tatu Saloranta, tatu.saloranta@iki.fi *
*  * Licensed under the License specified in the file LICENSE which is *
* included with the source code. *
*  * You may not use this file except in compliance with the License. *
*  * Unless required by applicable law or agreed to in writing, software *
* distributed under the License is distributed on an "AS IS" BASIS, *
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. *
* See the License for the specific language governing permissions and *
* limitations under the License. */
Found in path(s):
 * /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/dtd/DFAState.java
 * /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/dtd/DFAValidator.java
 * /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/dtd/StructValidator.java
 * /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/dtd/ContentSpec.java
No license file was found, but licenses were detected in source scan.

/* Woodstox XML processor
 *
 * Copyright (c) 2004- Tatu Saloranta, tatu.saloranta@iki.fi
 *
 * Licensed under the License specified in the file LICENSE,
 * included with the source code.
 * You may not use this file except in compliance with the License.
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
 * /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/sw/RepairingNsStreamWriter.java
No license file was found, but licenses were detected in source scan.

/* Woodstox XML processor
 *
 * Copyright (c) 2005 Tatu Saloranta, tatu.saloranta@iki.fi
 *
 * Licensed under the License specified in file LICENSE, included with
 * the source code.
 * You may not use this file except in compliance with the License.
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
 * /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-
No license file was found, but licenses were detected in source scan.

/* Woodstox XML processor
 *
 * Copyright (c) 2004- Tatu Saloranta, tatu.saloranta@iki.fi
 *
 * Licensed under the License specified in the file LICENSE which is
 * included with the source code.
 * You may not use this file except in compliance with the License.
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):

* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-
  jar/com/ctc/wstx/dtd/DTDAttribute.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-
  jar/com/ctc/wstx/dtd/DTDId.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-
  jar/com/ctc/wstx/dtd/DTDElement.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-
  jar/com/ctc/wstx/dtd/DTDAttribute.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-
  jar/com/ctc/wstx/dtd/DTDAttribute.java
jar/com/ctc/wstx/stax/WstxOutputFactory.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/msv/GenericMsvValidator.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/sw/NonNsStreamWriter.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/util/SymbolTable.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/evt/WstxEventReader.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/sr/ValidatingStreamReader.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/dtd/DefaultAttrValue.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/dtd/DTDSubset.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright (c) 2004- Tatu Saloranta, tatu.saloranta@iki.fi
 *
 * Licensed under the License specified in file LICENSE, included with
 * the source code.
 * You may not use this file except in compliance with the License.
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/sax/WstxSAXParser.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/sax/WstxSAXParserFactory.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/sax/SAXProperty.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/sax/SAXFeature.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2.jar/com/ctc/wstx/sax/WrappedSaxException.java

No license file was found, but licenses were detected in source scan.

/* Woodstox XML processor
 *
 * Copyright (c) 2004- Tatu Saloranta, tatu.saloranta@iki.fi
 */
* Licensed under the License specified in file LICENSE, included with
  * the source code.
* You may not use this file except in compliance with the License.
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/AsciiXmlWriter.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/io/WstxInputSource.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/dtd/DTDValidatorBase.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sr/Attribute.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/dtd/DTDValidator.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/TypedStreamWriter.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/dtd/DTDTypingNonValidator.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/XmlWriter.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/ISOLatin1XmlWriter.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/ISOLatinReader.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/BufferingXmlWriter.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/EncodingXmlWriter.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/InputElementStack.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/AttributeCollector.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/NSDefaultProvider.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/EncodingXmlWriter.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/ISOLatinReader.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/BaseStreamWriter.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/XmlWriterWrapper.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/BasicStreamReader.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/StreamScanner.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/Element.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/DTDSubsetImpl.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/ReaderBootstrapper.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/FullDTDReader.java

No license file was found, but licenses were detected in source scan.

/* Woodstox XML processor
 *
* Copyright (c) 2004- Tatu Saloranta, tatu.saloranta@iki.fi
*
* Licensed under the License specified in the file LICENSE,
* included with the source code.
* You may not use this file except in compliance with the License.
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/BaseNsStreamWriter.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/sw/SimpleNsStreamWriter.java

No license file was found, but licenses were detected in source scan.

/* Woodstox XML processor
 *
* Copyright (c) 2004 Tatu Saloranta, tatu.saloranta@iki.fi
*
* Licensed under the License specified in file LICENSE, included with
* the source code.
* You may not use this file except in compliance with the License.
*
* Unless required by applicable law or agreed to in writing, software
  distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
  limitations under the License.
*/

       Found in path(s):
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/stax/WstxEventFactory.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/io/WstxInputData.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/io/UTF32Reader.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/io/UTF8Reader.java
* /opt/cola/permits/1136271552_1613726224.81/0/woodstox-core-asl-4-2-0-sources-2-jar/com/ctc/wstx/ent/EntityDecl.java

1.637 jep 2.24
1.637.1 Available under license:
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

**Preamble**

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than 'show w' and 'show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.
Apache Directory LDAP API Extras Util
Copyright 2003-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

This software includes code generated by ANTLR 2.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.
5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

--------------------------------------------------------------
ANTLR 2 License
ANTLR 2 License

We reserve no legal rights to the ANTLR--it is fully in the public domain. An individual or company may do whatever they wish with source code distributed with ANTLR or the code generated by ANTLR, including the incorporation of ANTLR, or its output, into commerical software.

We encourage users to develop software with ANTLR. However, we do ask that credit is given to us for developing ANTLR. By "credit", we mean that if you use ANTLR or incorporate any source code into one of your programs (commercial product, research project, or otherwise) that you acknowledge this fact somewhere in the documentation, research report, etc... If you like ANTLR and have developed a nice tool with the output, please mention that you developed it using ANTLR. In addition, we ask that the headers remain intact in our source code. As long as these guidelines are kept, we expect to continue enhancing this system and expect to make other tools available as they are completed.
1.639 spring-oxm 4.3.30.RELEASE

1.639.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2013 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1-jar/org/springframework/oxm/config/XmlBeansMarshallerBeanDefinitionParser.java
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1-jar/org/springframework/oxm/config/JibxMarshallerBeanDefinitionParser.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2015 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1-jar/org/springframework/oxm/xstream/XStreamMarshaller.java
No license file was found, but licenses were detected in source scan.

*/
* Copyright 2002-2013 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*     https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1-jar/org/springframework/oxm/config/OxmNamespaceHandler.java

No license file was found, but licenses were detected in source scan.

*/
* Copyright 2002-2009 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*     https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1-jar/org/springframework/oxm/config/Jaxb2MarshallerBeanDefinitionParser.java

No license file was found, but licenses were detected in source scan.
/*
 * Copyright 2002-2016 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *     https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1-jar/org/springframework/oxm/Marshaller.java
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1-jar/org/springframework/oxm/xstream/CatchAllConverter.java
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1-jar/org/springframework/oxm/Unmarshaller.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2018 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *     https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1-jar/org/springframework/oxm/jaxb/ClassPathJaxb2TypeScanner.java
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1-jar/org/springframework/oxm/jibx/JibxMarshaller.java
No license file was found, but licenses were detected in source scan.
/*
 * Copyright 2002-2017 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1- jar/org/springframework/oxm/castor/CastorMappingException.java
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1- jar/org/springframework/oxm/config/CastorMarshallerBeanDefinitionParser.java
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1- jar/org/springframework/oxm/castor/CastorMarshaller.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2012 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1- jar/org/springframework/oxm/support/SaxResourceUtils.java
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1- jar/org/springframework/oxm/MarshallingFailureException.java
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4-3-30-release-sources-1- jar/org/springframework/oxm/GenericMarshaller.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2019 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2014 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.
* https://www.apache.org/licenses/LICENSE-2.0

* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4.3.30-release-sources-1-
  jar/org/springframework/oxm/xmlbeans/XmlBeansMarshaller.java
* /opt/cola/permits/1137993906_1614192634.5/0/spring-oxm-4.3.30-release-sources-1-
  jar/org/springframework/oxm/xmlbeans/XmlOptionsFactoryBean.java

1.640 grep 3.1-6.el8
1.640.1 Available under license :
@c The GNU Free Documentation License.
@center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

display
@uref{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
display

@enumerate 0
@item
PREAMBLE

The purpose of this License is to make a manual, textbook, or other
functional and useful document @dfn{free} in the sense of freedom: to
assure everyone the effective freedom to copy and redistribute it,
with or without modifying it, either commercially or noncommercially.
Secondarily, this License preserves for the author and publisher a way
to get credit for their work, while not being considered responsible
for modifications made by others.

This License is a kind of ``copyleft'', which means that derivative
works of the document must themselves be free in the same sense. It
complements the GNU General Public License, which is a copyleft
We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that
the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History".) To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which
states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item
VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item
COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols.
a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

@item
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate A
@item
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.
@item
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

@item
Do not retile any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.
Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number.
Make the same adjustment to the section titles in the list of
Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled ``History''
in the various original documents, forming one section Entitled
``History''; likewise combine any sections Entitled ``Acknowledgements'',
and any sections Entitled ``Dedications''. You must delete all
sections Entitled ``Endorsements."

*item
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents
released under this License, and replace the individual copies of this
License in the various documents with a single copy that is included in
the collection, provided that you follow the rules of this License for
verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute
it individually under this License, provided you insert a copy of this
License into the extracted document, and follow this License in all
other respects regarding verbatim copying of that document.

*item
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate
and independent documents or works, in or on a volume of a storage or
distribution medium, is called an ``aggregate'' if the copyright
resulting from the compilation is not used to limit the legal rights
of the compilation's users beyond what the individual works permit.
When the Document is included in an aggregate, this License does not
apply to the other works in the aggregate which are not themselves
derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these
copies of the Document, then if the Document is less than one half of
the entire aggregate, the Document's Cover Texts may be placed on
covers that bracket the Document within the aggregate, or the
electronic equivalent of covers if the Document is in electronic form.
Otherwise they must appear on printed covers that bracket the whole
aggregate.

*item
TRANSLATION

Translation is considered a kind of modification, so you may
distribute translations of the Document under the terms of section 4.
Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item

TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item

FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions
of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See \@uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item RELICENSING

``Massive Multiauthor Collaboration Site'' (or ``MMC Site'') means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A ``Massive Multiauthor Collaboration'' (or ``MMC'') contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA'' means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate'' means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is ``eligible for relicensing'' if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.
ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

```
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".
```

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with@dots{}Texts." line with this:

```
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
```

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007
Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains
that there is no warranty for this free software. For both users' and
authors' sake, the GPL requires that modified versions be marked as
changed, so that their problems will not be attributed erroneously to
authors of previous versions.

Some devices are designed to deny users access to install or run
modified versions of the software inside them, although the manufacturer
can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other
parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.
6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.
A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in
source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.
All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, selling, offering for sale, or importing the Program or any portion of it.

---

Open Source Used In CSPC_Collector 2.9.1 6728
Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily
for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future
versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.
1.641 jersey-media-moxy 2.27

1.641.1 Available under license:

Found license 'General Public License 2.0' in

```
Copyright (c) 2012-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License
```

Found license 'General Public License 2.0' in

```
Copyright (c) 2013-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License
```

1.642 jetty-gcloud-session-manager

9.4.11.v20180605

1.643 aide 0.16-11.el8

1.643.1 Available under license:

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.
If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.644 bouncy-castle 1.55
1.644.1 Available under license:
http://www.bouncycastle.org/licence.html

Please note this should be read in the same way as the MIT license.

LICENSE
Copyright (c) 2000 - 2016 The Legion of the Bouncy Castle Inc. (https://www.bouncycastle.org)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.645 websocket-common 9.4.11.v20180605

1.646 castor 1.3
1.646.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Copyright 1999-2004 (C) Intalio Inc., and others. All Rights Reserved.

Redistribution and use of this software and associated documentation ("Software"), with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain copyright statements and notices. Redistributions must also contain a copy of this document.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name "ExoLab" must not be used to endorse or promote products derived from this Software without prior written permission of Intalio Inc. For written permission, please contact info@exolab.org.

4. Products derived from this Software may not be called "Castor" nor may "Castor" appear in their names without prior written
permission of Intalio Inc. Exolab, Castor and Intalio are trademarks of Intalio Inc.

5. Due credit should be given to the ExoLab Project (http://www.exolab.org/).

THIS SOFTWARE IS PROVIDED BY INTALIO AND CONTRIBUTORS "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTALIO OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.647 sssd 2.2.0 19.el8
1.647.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.
A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are
covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If
you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of
protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

**TERMS AND CONDITIONS**

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through
a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding
The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.
6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.
A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for
7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further
restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of
Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that
contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's
public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read
1.648 python-cffi 1.11.5 5.el8
1.648.1 Available under license:

Except when otherwise stated (look for LICENSE files in directories or information at the beginning of each file) all software and documentation is licensed as follows:

The MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.649 tuned 2.13.0-1.ph3
1.649.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.650 xalan 2.7.1
1.650.1 Available under license :

===========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the Apache Xerces Java distribution. ==
===========================================================================

Apache Xerces Java
Copyright 1999-2006 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions of this software were originally based on the following:
- voluntary contributions made by Paul Eng on behalf of the
  Apache Software Foundation that were originally developed at iClick, Inc.,
  software copyright (c) 1999.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

The license above applies to this Apache Xalan release of:
Xalan-Java 2 - XSLT Processor
Xalan-Java 2 - Serializer
The license above also applies to the jar files
xalan.jar and xsltc.jar - Xalan-Java 2 - XSLT Processor from
Source: http://xalan.apache.org/
The license above also applies to the jar file
serializer.jar - Xalan-Java 2 - Serializer
Source: http://xalan.apache.org/
Used by: Xalan-Java 2 and Xerces-Java 2
The license above also applies to the jar file
xercesImpl.jar - Xerces-Java 2 XML Parser.
Source: http://xerces.apache.org/
Used by: Xalan-Java 2
The license above also applies to the jar file
xml-apis.jar - Xerces-Java 2 XML Parser.
Source: http://xerces.apache.org/
Used by: Xalan-Java 2 and release copy of Xerces-Java 2

The following license applies to the included files:
tools/ant.jar
tools/antRun
tools/antRun.bat
Source: http://ant.apache.org/
Used By: Xalan's build process: java/build.xml and test/build.xml
<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
/*
* ============================================================================
*
The Apache Software License, Version 1.1
* ============================================================================
*
* Copyright (C) 1999 The Apache Software Foundation. All rights reserved.
*
* Redistribution and use in source and binary forms, with or without modifica* tion, are permitted provided that the following conditions are met:
*
* 1. Redistributions of source code must retain the above copyright notice,

Open Source Used In CSPC_Collector 2.9.1 6776


* this list of conditions and the following disclaimer.

* 2. Redistributions in binary form must reproduce the above copyright notice,
   this list of conditions and the following disclaimer in the documentation
   and/or other materials provided with the distribution.

* 3. The end-user documentation included with the redistribution, if any, must
   include the following acknowledgment: "This product includes software
developed by the Apache Software Foundation (http://www.apache.org/)."
   Alternately, this acknowledgment may appear in the software itself, if
   and wherever such third-party acknowledgments normally appear.

* 4. The names "Ant" and "Apache Software Foundation" must not be used to
   endorse or promote products derived from this software without prior
   written permission. For written permission, please contact
   apache@apache.org.

* 5. Products derived from this software may not be called "Apache", nor may
   "Apache" appear in their name, without prior written permission of the
   Apache Software Foundation.

* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES,
  INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
  FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
  APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
  INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING
  BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS
  OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
  ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
  (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
  THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

* This software consists of voluntary contributions made by many individuals
* on behalf of the Apache Software Foundation. For more information on the
* Apache Software Foundation, please see <http://www.apache.org/>.

*/

The following license, Apache Software License, Version 1.1,
applies to the included BCEL.jar from Apache Jakarta
(Byte Code Engineering Library).
Source: http://jakarta.apache.org/bcel
Used By: XSLTC component of xml-xalan/java

The following license, Apache Software License, Version 1.1,
also applies to the included regexp.jar,
jakarta-regexp-1.2.jar from Apache Jakarta.
Source: http://jakarta.apache.org/regexp
Used By: BCEL.jar which is used by XSLTC component of xml-xalan/java

<<<<<<<<<<<
/*
 *
* Copyright (c) 2001 The Apache Software Foundation. All rights
* reserved.
 *
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
 *
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
 *
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in
*    the documentation and/or other materials provided with the
*    distribution.
 *
* 3. The end-user documentation included with the redistribution,
*    if any, must include the following acknowledgment:
*    "This product includes software developed by the
*    Apache Software Foundation (http://www.apache.org/)."
*    Alternately, this acknowledgment may appear in the software itself,
*    if and wherever such third-party acknowledgments normally appear.
 *
* 4. The names "Apache" and "Apache Software Foundation" and
*    "Apache BCEL" must not be used to endorse or promote products
*    derived from this software without prior written permission. For
*    written permission, please contact apache@apache.org.
 *
* 5. Products derived from this software may not be called "Apache",
*    "Apache BCEL", nor may "Apache" appear in their name, without
*    prior written permission of the Apache Software Foundation.
 *
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF * USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND * ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, * OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT * OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF * SUCH DAMAGE.

* ====================================================================

* This software consists of voluntary contributions made by many * individuals on behalf of the Apache Software Foundation. For more * information on the Apache Software Foundation, please see * <http://www.apache.org/>.

* /

The following license applies to the DOM documentation for the org.w3c.dom.* packages:

```
W3C DOCUMENT LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231
Public documents on the W3C site are provided by the copyright holders under the following license. By using and/or copying this document, or the W3C document from which this statement is linked, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions:

Permission to copy, and distribute the contents of this document, or the W3C document from which this statement is linked, in any medium for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the document, or portions thereof, that you use:

1. A link or URL to the original W3C document.
2. The pre-existing copyright notice of the original author, or if it doesn't exist, a notice (hypertext is preferred, but a textual representation is permitted) of the form: "Copyright [date-of-document] World Wide Web Consortium, (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University). All Rights Reserved. http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231"
```

Open Source Used In CSPC_Collector 2.9.1 6779
3. If it exists, the STATUS of the W3C document.

When space permits, inclusion of the full text of this NOTICE should be provided. We request that authorship attribution be provided in any software, documents, or other items or products that you create pursuant to the implementation of the contents of this document, or any portion thereof.

No right to create modifications or derivatives of W3C documents is granted pursuant to this license. However, if additional requirements (documented in the Copyright FAQ) are satisfied, the right to create modifications or derivatives is sometimes granted by the W3C to individuals complying with those requirements.

THIS DOCUMENT IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR TITLE; THAT THE CONTENTS OF THE DOCUMENT ARE SUITABLE FOR ANY PURPOSE; NOR THAT THE IMPLEMENTATION OF SUCH CONTENTS WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE DOCUMENT OR THE PERFORMANCE OR IMPLEMENTATION OF THE CONTENTS THEREOF.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to this document or its contents without specific, written prior permission. Title to copyright in this document will at all times remain with copyright holders.

-------------------------------------------------------------------

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, moves information on style sheets, DTDs, and schemas to the Copyright FAQ, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". See the older formulation for the policy prior to this date. Please see our Copyright FAQ for common questions about using materials from our site, such as the translating or annotating specifications. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <mailto:site-policy@w3.org

Last revised by Reagle $Date: 2005-07-19 12:33:09 -0400 (Tue, 19 Jul 2005) $

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
The following license applies to the DOM software,
for the org.w3c.dom.* packages in jar file xml-apis.jar:

W3C SOFTWARE NOTICE AND LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This work (and included software, documentation such as READMEs,
or other related items) is being provided by the copyright holders
under the following license. By obtaining, using and/or copying this
work, you (the licensee) agree that you have read, understood, and will
comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its
documentation, with or without modification, for any purpose and
without fee or royalty is hereby granted, provided that you include
the following on ALL copies of the software and documentation or
portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the
   redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices,
or terms and conditions. If none exist, the W3C Software Short Notice
   should be included (hypertext is preferred, text is permitted) within
   the body of any redistributed or derivative code.
3. Notice of any changes or modifications to the files, including the
date changes were made. (We recommend you provide URIs to the location
   from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS
MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT
NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR
PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE
ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising
or publicity pertaining to the software without specific, written prior
permission. Title to copyright in this software and any associated documentation
This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <mailto:site-policy@w3.org>
Last revised by Reagle $Date: 2005-07-19 12:33:09 -0400 (Tue, 19 Jul 2005) $

The following license applies to the SAX software, for the org.xml.sax.* packages in jar file xml-apis.jar:

This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY. See http://www.saxproject.org for further information.

The following license applies to the jar file java_cup.jar - LALR Parser Generator for Java(TM).
Source: http://www.cs.princeton.edu/~appel/modern/java/CUP
Used By: XSLTC component of xml-xalan/java
CUP Parser Generator Copyright Notice, License, and Disclaimer

Copyright 1996-1999 by Scott Hudson, Frank Flannery, C. Scott Ananian

Permission to use, copy, modify, and distribute this software and its
documentation for any purpose and without fee is hereby granted, provided
that the above copyright notice appear in all copies and that both
the copyright notice and this permission notice and warranty disclaimer
appear in supporting documentation, and that the names of the authors
or their employers not be used in advertising or publicity pertaining
to distribution of the software without specific, written prior permission.

The authors and their employers disclaim all warranties with regard to
this software, including all implied warranties of merchantability
and fitness. In no event shall the authors or their employers be liable
for any special, indirect or consequential damages or any damages
whatsoever resulting from loss of use, data or profits, whether in an action
of contract, negligence or other tortious action, arising out of or
in connection with the use or performance of this software.

The following license applies to the jar file runtime.jar - Component
of JavaCup: LALR Parser Generator for Java(TM).
Source: http://www.cs.princeton.edu/~appel/modern/java/CUP
Used By: XSLTC component of xml-xalan/java

CUP Parser Generator Copyright Notice, License, and Disclaimer
(runtime.jar component)

Copyright 1996-1999 by Scott Hudson, Frank Flannery, C. Scott Ananian

Permission to use, copy, modify, and distribute this software and its
documentation for any purpose and without fee is hereby granted, provided
that the above copyright notice appear in all copies and that both
the copyright notice and this permission notice and warranty disclaimer
appear in supporting documentation, and that the names of the authors
or their employers not be used in advertising or publicity pertaining
to distribution of the software without specific, written prior permission.
The authors and their employers disclaim all warranties with regard to
this software, including all implied warranties of merchantability
and fitness. In no event shall the authors or their employers be liable
for any special, indirect or consequential damages or any damages
whatsoever resulting from loss of use, data or profits, whether in an action
of contract, negligence or other tortious action, arising out of or
in connection with the use or performance of this software.

The following license applies to the JLEX jar file
JLex.jar - A Lexical Analyzer Generator for Java(TM).
Source: http://www.cs.princeton.edu/~appel/modern/java/JLex
Used By: XSLTC component of xml-xalan/java

JLEX COPYRIGHT NOTICE, LICENSE AND DISCLAIMER.

Copyright 1996-2000 by Elliot Joel Berk and C. Scott Ananian

Permission to use, copy, modify, and distribute this software and its
documentation for any purpose and without fee is hereby granted,
provided that the above copyright notice appear in all copies and
that both the copyright notice and this permission notice and
warranty disclaimer appear in supporting documentation, and that the
name of the authors or their employers not be used in advertising or
publicity pertaining to distribution of the software without specific,
written prior permission.

The authors and their employers disclaim all warranties with regard
to this software, including all implied warranties of merchantability and
fitness. In no event shall the authors or their employers be liable for any
special, indirect or consequential damages or any damages whatsoever resulting
from loss of use, data or profits, whether in an action of contract,
negligence or other tortious action, arising out of or in connection
with the use or performance of this software.

Java is a trademark of Sun Microsystems, Inc. References to the Java
programming language in relation to JLex are not meant to imply that
Sun endorses this product.
The following license applies to the jar file
stylebook-1.0-b3_xalan-2.jar - Tool for generating Xalan documentation.
Integrated with Xalan-Java 2 and Xerces 2.
Source:  http://svn.apache.org/viewvc/xml/stylebook/
Used by: Xalan-Java 2, Xalan-C++

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
/
* The Apache Software License, Version 1.1
 *
* Copyright (c) 1999 The Apache Software Foundation. All rights
* reserved.
 *
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
 *
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
 *
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in
*    the documentation and/or other materials provided with the
*    distribution.
 *
* 3. The end-user documentation included with the redistribution,
*    if any, must include the following acknowledgment:
*    "This product includes software developed by the
*    Apache Software Foundation (http://www.apache.org/)."
*    Alternately, this acknowledgment may appear in the software itself,
*    if and wherever such third-party acknowledgments normally appear.
 *
* 4. The names "Xalan", "Xerces", and "Apache Software Foundation" must
*    not be used to endorse or promote products derived from this
*    software without prior written permission. For written
*    permission, please contact apache@apache.org.
 *
* 5. Products derived from this software may not be called "Apache",
*    nor may "Apache" appear in their name, without prior written
permission of the Apache Software Foundation.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the Apache Software Foundation and was
originally based on software copyright (c) 1999, International
Business Machines, Inc., http://www.apache.org. For more
information on the Apache Software Foundation, please see

This license came from: http://www.w3.org/Consortium/Legal/copyright-software-20021231

W3C SOFTWARE NOTICE AND LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This work (and included software, documentation such as READMEs, or other
related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation,
with or without modification, for any purpose and without fee or royalty is
hereby granted, provided that you include the following on ALL copies of the
software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the
   redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms

Open Source Used In CSPC_Collector 2.9.1 6786
and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.

3. Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

____________________________________________________________________

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <site-policy@w3.org>


This license came from: http://www.w3.org/Consortium/Legal/copyright-software-20021231

W3C SOFTWARE NOTICE AND LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231
This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.
3. Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.
Apache Xalan (Xalan XSLT processor)
Copyright 1999-2006 The Apache Software Foundation

Apache Xalan (Xalan serializer)
Copyright 1999-2006 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

The binary distribution package (ie. jars, samples and documentation) of
this product includes software developed by the following:

- The Apache Software Foundation
  - Xerces Java - see LICENSE.txt
  - JAXP 1.3 APIs - see LICENSE.txt
  - Bytecode Engineering Library - see LICENSE.txt
  - Regular Expression - see LICENSE.txt

- Scott Hudson, Frank Flannery, C. Scott Ananian
  - CUP Parser Generator runtime (javacup\runtime) - see LICENSE.txt

The source distribution package (ie. all source and tools required to build
Xalan Java) of this product includes software developed by the following:

- The Apache Software Foundation
  - Xerces Java - see LICENSE.txt
  - JAXP 1.3 APIs - see LICENSE.txt
  - Bytecode Engineering Library - see LICENSE.txt
- Regular Expression - see LICENSE.txt
- Ant - see LICENSE.txt
- Stylebook doc tool - see LICENSE.txt

- Elliot Joel Berk and C. Scott Ananian
  - Lexical Analyzer Generator (JLex) - see LICENSE.txt

========================================================================
Apache Xerces Java
Copyright 1999-2006 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions of Apache Xerces Java in xercesImpl.jar and xml-apis.jar
were originally based on the following:
- voluntary contributions made by Paul Eng on behalf of the
  Apache Software Foundation that were originally developed at iClick, Inc.,
  software copyright (c) 1999.

========================================================================
Apache xml-commons xml-apis (redistribution of xml-apis.jar)

Apache XML Commons

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions of this software were originally based on the following:
- software copyright (c) 2000 World Wide Web Consortium, http://www.w3.org
  xml-commons/java/external/LICENSE.dom-documentation.txt $Id: LICENSE.dom-documentation.txt,v 1.2
  2005/06/03 22:49:13 mrglavas Exp $

This license came from: http://www.w3.org/Consortium/Legal/copyright-documents-20021231

W3C DOCUMENT LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231

Public documents on the W3C site are provided by the copyright holders under
the following license. By using and/or copying this document, or the W3C
document from which this statement is linked, you (the licensee) agree that
you have read, understood, and will comply with the following terms and conditions:

Permission to copy, and distribute the contents of this document, or the W3C document from which this statement is linked, in any medium for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the document, or portions thereof, that you use:

1. A link or URL to the original W3C document.
2. The pre-existing copyright notice of the original author, or if it doesn't exist, a notice (hypertext is preferred, but a textual representation is permitted) of the form: "Copyright [date-of-document] World Wide Web Consortium, (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University). All Rights Reserved. http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231"
3. If it exists, the STATUS of the W3C document.

When space permits, inclusion of the full text of this NOTICE should be provided. We request that authorship attribution be provided in any software, documents, or other items or products that you create pursuant to the implementation of the contents of this document, or any portion thereof.

No right to create modifications or derivatives of W3C documents is granted pursuant to this license. However, if additional requirements (documented in the Copyright FAQ) are satisfied, the right to create modifications or derivatives is sometimes granted by the W3C to individuals complying with those requirements.

THIS DOCUMENT IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR TITLE; THAT THE CONTENTS OF THE DOCUMENT ARE SUITABLE FOR ANY PURPOSE; NOR THAT THE IMPLEMENTATION OF SUCH CONTENTS WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE DOCUMENT OR THE PERFORMANCE OR IMPLEMENTATION OF THE CONTENTS THEREOF.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to this document or its contents without specific, written prior permission. Title to copyright in this document will at all times remain with copyright holders.

------------------------------------------------------------------------

This formulation of W3C's notice and license became active on December 31 2002.
This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, moves information on style sheets, DTDs, and schemas to the Copyright FAQ, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of “use”. See the older formulation for the policy prior to this date. Please see our Copyright FAQ for common questions about using materials from our site, such as the translating or annotating specifications. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <site-policy@w3.org>

Last revised by Reagle $Date: 2005/06/03 22:49:13 $

This license came from: http://www.megginson.com/SAX/copying.html
However please note future versions of SAX may be covered under http://saxproject.org/?selected=pd

This page is now out of date -- see the new SAX site at http://www.saxproject.org/ for more up-to-date releases and other information. Please change your bookmarks.

SAX2 is Free!

I hereby abandon any property rights to SAX 2.0 (the Simple API for XML), and release all of the SAX 2.0 source code, compiled code, and documentation contained in this distribution into the Public Domain. SAX comes with NO WARRANTY or guarantee of fitness for any purpose.

David Megginson, david@megginson.com
2000-05-05
=========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the Apache xml-commons xml-apis ==
== distribution. ==
=========================================================================

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Portions of this software were originally based on the following:
SAX2 is Free!

I hereby abandon any property rights to SAX 2.0 (the Simple API for XML), and release all of the SAX 2.0 source code, compiled code, and documentation contained in this distribution into the Public Domain. SAX comes with NO WARRANTY or guarantee of fitness for any purpose.

David Megginson, david@megginson.com
2000-05-05
/
* *===================================================================
* * The Apache Software License, Version 1.1
* *===================================================================
* *
* Copyright (C) 2000-2002 The Apache Software Foundation. All
* rights reserved.
* *
* Redistribution and use in source and binary forms, with or without modifica-
* tion, are permitted provided that the following conditions are met:
* *
* 1. Redistributions of source code must retain the above copyright notice,
* this list of conditions and the following disclaimer.
* *
* 2. Redistributions in binary form must reproduce the above copyright notice,
* this list of conditions and the following disclaimer in the documentation
* and/or other materials provided with the distribution.
* *
* 3. The end-user documentation included with the redistribution, if any, must
* include the following acknowledgment: "This product includes software
* developed by the Apache Software Foundation (http://www.apache.org/)."
* Alternately, this acknowledgment may appear in the software itself, if
* and wherever such third-party acknowledgments normally appear.
* *
* 4. The names "Ant" and "Apache Software Foundation" must not be used to
* endorse or promote products derived from this software without prior
* written permission. For written permission, please contact
* apache@apache.org.
*
* 5. Products derived from this software may not be called "Apache", nor may
* "Apache" appear in their name, without prior written permission of the
* Apache Software Foundation.
*
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXRESSED OR IMPLIED WARRANTIES,
* INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
* FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
* APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
* INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUD-
* DING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS
* OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
* ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*
* This software consists of voluntary contributions made by many individuals
* on behalf of the Apache Software Foundation. For more information on the
* Apache Software Foundation, please see <http://www.apache.org/>.
*
* /*

=========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the Apache xml-commons xml-apis ==
== distribution. ==
=========================================================================

Apache XML Commons XML APIs
Copyright 2006 The Apache Software Foundation.

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions of this software were originally based on the following:
- software copyright (c) 2000 World Wide Web Consortium, http://www.w3.org

This license came from: http://www.w3.org/Consortium/Legal/copyright-documents-20021231
W3C DOCUMENT LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231

Public documents on the W3C site are provided by the copyright holders under the following license. By using and/or copying this document, or the W3C document from which this statement is linked, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions:

Permission to copy, and distribute the contents of this document, or the W3C document from which this statement is linked, in any medium for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the document, or portions thereof, that you use:

1. A link or URL to the original W3C document.
2. The pre-existing copyright notice of the original author, or if it doesn't exist, a notice (hypertext is preferred, but a textual representation is permitted) of the form: "Copyright [$date-of-document] World Wide Web Consortium, (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University). All Rights Reserved.
   http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231"
3. If it exists, the STATUS of the W3C document.

When space permits, inclusion of the full text of this NOTICE should be provided. We request that authorship attribution be provided in any software, documents, or other items or products that you create pursuant to the implementation of the contents of this document, or any portion thereof.

No right to create modifications or derivatives of W3C documents is granted pursuant to this license. However, if additional requirements (documented in the Copyright FAQ) are satisfied, the right to create modifications or derivatives is sometimes granted by the W3C to individuals complying with those requirements.

THIS DOCUMENT IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR TITLE; THAT THE CONTENTS OF THE DOCUMENT ARE SUITABLE FOR ANY PURPOSE; NOR THAT THE IMPLEMENTATION OF SUCH CONTENTS WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE DOCUMENT OR THE PERFORMANCE OR IMPLEMENTATION OF THE CONTENTS THEREOF.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to this document or its contents without specific,
This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, moves information on style sheets, DTDs, and schemas to the Copyright FAQ, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". See the older formulation for the policy prior to this date. Please see our Copyright FAQ for common questions about using materials from our site, such as the translating or annotating specifications. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <site-policy@w3.org>

Last revised by Reagle $Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) $

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions.
for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "["] replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.651 libgcrypt 1.8.5

1.651.1 Available under license:

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and “any
later version”, you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be
Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license. Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the
users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

^L

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

^L

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY servicing, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

^L

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.
You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

    <signature of Ty Coon>, 1 April 1990
    Ty Coon, President of Vice

That's all there is to it!

Additional license notices for Libgcrypt.

This file contains the copying permission notices for various files in the Libgcrypt distribution which are not covered by the GNU Lesser General Public License (LGPL) or the GNU General Public License (GPL).

These notices all require that a copy of the notice be included in the accompanying documentation and be distributed with binary distributions of the code, so be sure to include this file along with any binary distributions derived from the GNU C Library.

* BSD_3Clause

For files:
- cipher/sha256-avx-amd64.S
- cipher/sha256-avx2-bmi2-amd64.S
- cipher/sha256-ssse3-amd64.S
- cipher/sha512-avx-amd64.S
- cipher/sha512-avx2-bmi2-amd64.S
- cipher/sha512-ssse3-amd64.S

#+begin_quote
Copyright (c) 2012, Intel Corporation

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Intel Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY INTEL CORPORATION "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL CORPORATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

For files:
- random/jitterentropy-base.c
- random/jitterentropy.h
- random/rndjent.c (plus common Libgcrypt copyright holders)

* Copyright Stephan Mueller <smueller@chronox.de>, 2013
* License
* ========
* Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* 1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.
* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* 3. The name of the author may not be used to endorse or promote
* products derived from this software without specific prior
* written permission.

* ALTERNATIVELY, this product may be distributed under the terms of
* the GNU General Public License, in which case the provisions of the GPL are
* required INSTEAD OF the above restrictions. (This clause is
* necessary due to a potential bad interaction between the GPL and
* the restrictions contained in a BSD-style copyright.)

* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESS OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF
* WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
* BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
* LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE
* USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH
* DAMAGE.

#+end_quote

* X License

For files:
- install.sh

#+begin_quote
Copyright (C) 1994 X Consortium

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to
deal in the Software without restriction, including without limitation the
rights to use, copy, modify, merge, publish, distribute, sublicense, and/or
sell copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN
AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNE-
TION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

* Public domain

For files:
- cipher/arcfour-amd64.S

* OCB license 1

For files:
- cipher/cipher-ocb.c

OCB is covered by several patents but may be used freely by most software. See http://web.cs.ucdavis.edu/~rogaway/ocb/license.htm. In particular license 1 is suitable for Libgcrypt: See http://web.cs.ucdavis.edu/~rogaway/ocb/license1.pdf for the full license document; it basically says:

License 1  License for Open-Source Software Implementations of OCB
(Jan 9, 2013)

Under this license, you are authorized to make, use, and distribute open-source software implementations of OCB. This license terminates for you if you sue someone over their open-source software implementation of OCB claiming that you have a patent covering their implementation.
1.3 Use means any practice of any invention claimed in the Licensed Patents.

1.4 Software Implementation means any practice of any invention claimed in the Licensed Patents that takes the form of software executing on a user-programmable, general-purpose computer or that takes the form of a computer-readable medium storing such software. Software Implementation does not include, for example, application-specific integrated circuits (ASICs), field-programmable gate arrays (FPGAs), embedded systems, or IP cores.

1.5 Open Source Software means software whose source code is published and made available for inspection and use by anyone because either (a) the source code is subject to a license that permits recipients to copy, modify, and distribute the source code without payment of fees or royalties, or (b) the source code is in the public domain, including code released for public use through a CC0 waiver. All licenses certified by the Open Source Initiative at opensource.org as of January 9, 2013 and all Creative Commons licenses identified on the creativecommons.org website as of January 9, 2013, including the Public License Fallback of the CC0 waiver, satisfy these requirements for the purposes of this license.

1.6 Open Source Software Implementation means a Software Implementation in which the software implicating the Licensed Patents is Open Source Software. Open Source Software Implementation does not include any Software Implementation in which the software implicating the Licensed Patents is combined, so as to form a larger program, with software that is not Open Source Software.

2 License Grant

2.1 License. Subject to your compliance with the terms of this license, including the restriction set forth in Section 2.2, Licensor hereby grants to you a perpetual, worldwide, non-exclusive, non-transferable, non-sublicensable, no-charge, royalty-free, irrevocable license to practice any invention claimed in the Licensed Patents in any Open Source Software Implementation.

2.2 Restriction. If you or your affiliates institute patent litigation (including, but not limited to, a cross-claim or counterclaim in a lawsuit) against any entity alleging that any Use authorized by this license
infringes another patent, then any rights granted to you under this license automatically terminate as of the date such litigation is filed.

3 Disclaimer
YOUR USE OF THE LICENSED PATENTS IS AT YOUR OWN RISK AND UNLESS REQUIRED BY APPLICABLE LAW, LICENSOR MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE LICENSED PATENTS OR ANY PRODUCT EMBODYING ANY LICENSED PATENT, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. IN NO EVENT WILL LICENSOR BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM OR RELATED TO ANY USE OF THE LICENSED PATENTS, INCLUDING, WITHOUT LIMITATION, DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR SPECIAL DAMAGES, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES PRIOR TO SUCH AN OCCURRENCE.

1.652 xerces-j 2.9.1
1.652.1 Available under license:
========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License, ==
== Version 2.0, in this case for the Apache Xerces Java distribution. ==
========================================================================

Apache Xerces Java
Copyright 1999-2007 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions of this software were originally based on the following:
- voluntary contributions made by Paul Eng on behalf of the
  Apache Software Foundation that were originally developed at iClick, Inc.,
  software copyright (c) 1999.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.653 stax 3.1.1

1.653.1 Available under license:

The MIT License (MIT)

Copyright (c) 2014 philcryer::fak3r

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.654 hikaricp-java7 2.4.13

1.655 libverto 0.3.0 5.el8

1.655.1 Available under license:

Copyright 2011 Red Hat, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.6.56 xml-apis 2.0.2

1.6.56.1 Available under license:

No license file was found, but licenses were detected in source scan.

// NO WARRANTY! This class is in the Public Domain.
/**
 * Base class for deriving an XML filter.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY.</em>
 * </blockquote>
 *
 * This class is designed to sit between an XMLReader and the client application's event handlers. By default, it does nothing but pass requests up to the reader and events on to the handlers unmodified, but subclasses can override specific methods to modify the event stream or the configuration requests as they pass through.</p>
 *
 * @since SAX 2.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.XMLFilter
 * @see org.xml.sax.XMLReader
 * @see org.xml.sax.EntityResolver
 * @see org.xml.sax/DTDHandler
 * @see org.xml.sax.ContentHandler
 * @see org.xml.sax.ErrorHandler
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/XMLFilterImpl.java

No license file was found, but licenses were detected in source scan.
/**
 * Basic interface for SAX error handlers.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the Public Domain, and comes with <strong>NO WARRANTY</strong>. </em>
 * </blockquote>
 *
 * If a SAX application needs to implement customized error handling, it must implement this interface and then register an instance with the XML reader using the
 * {@link org.xml.sax.XMLReader#setErrorHandler setErrorHandler} method. The parser will then report all errors and warnings through this interface.</p>
 *
 * <p>WARNING: If an application does not register an ErrorHandler, XML parsing errors will go unreported and bizarre behaviour may result.</p>
 *
 * For XML processing errors, a SAX driver must use this interface instead of throwing an exception: it is up to the application to decide whether to throw an exception for different types of errors and warnings. Note, however, that there is no requirement that the parser continue to provide useful information after a call to the parser to provide useful information after a call to the
 * {@link #fatalError fatalError} (in other words, a SAX driver class could catch an exception and report a fatalError).
*

@since SAX 1.0
@version 2.0
@see org.xml.sax.Parser#setErrorHandler
@see org.xml.sax.SAXParseException
*/

// NO WARRANTY! This class is in the public domain.
/**
 * Interface for a list of XML attributes.
 *
 * This module, both source code and documentation, is in the Public Domain, and comes with <strong>NO WARRANTY</strong>. 
 */
This interface allows access to a list of attributes in three different ways:

* by attribute index;
* by Namespace-qualified name; or
* by qualified (prefixed) name.

The list will not contain attributes that were declared #IMPLIED but not specified in the start tag. It will also not contain attributes used as Namespace declarations (xmlns*) unless the feature is set to true (it is false by default).

If the namespace-prefixes feature (see above) is false, access by qualified name may not be available; if the feature is false, access by Namespace-qualified names may not be available.

This interface replaces the now-deprecated SAX1 AttributeList interface, which does not contain Namespace support. In addition to Namespace support, it adds the getIndex methods (below).

The order of attributes in the list is unspecified, and will vary from implementation to implementation.

@since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.helpers.AttributeListImpl

This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY.
AttributeList implements the deprecated SAX1 \{@link org.xml.sax.AttributeList AttributeList\} interface, and has been replaced by the new SAX2 \{@link org.xml.sax.helpers.AttributesImpl AttributesImpl\} interface. This class provides a convenience implementation of the SAX \{@link org.xml.sax.AttributeList AttributeList\} interface. This implementation is useful both for SAX parser writers, who can use it to provide attributes to the application, and for SAX application writers, who can use it to create a persistent copy of an element's attribute specifications:

```
private AttributeList myatts;

public void startElement (String name, AttributeList atts)
{
    // create a persistent copy of the attribute list
    // for use outside this method
    myatts = new AttributeListImpl(atts);
    [...]
}
```

Please note that SAX parsers are not required to use this class to provide an implementation of AttributeList; it is supplied only as an optional convenience. In particular, parser writers are encouraged to invent more efficient implementations.

@deprecated This class implements a deprecated interface, \{@link org.xml.sax.AttributeList AttributeList\}; that interface has been replaced by \{@link org.xml.sax.Attributes Attributes\}, which is implemented in the AttributesImpl helper class.

@since SAX 1.0
@deprecated
@version 2.0
@see org.xml.sax.AttributeList
@see org.xml.sax.DocumentHandler#startElement

Found in path(s):

/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
// NO WARRANTY! This class is in the Public Domain.
/**
 * Interface for an XML filter.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * An XML filter is like an XML reader, except that it obtains its
 * events from another XML reader rather than a primary source like
 * an XML document or database. Filters can modify a stream of
 * events as they pass on to the final application.</p>
 *
 * The XMLFilterImpl helper class provides a convenient base
 * for creating SAX2 filters, by passing on all
 * <code>{@link org.xml.sax.EntityResolver EntityResolver}</code>,
 * <code>{@link org.xml.sax.DTDHandler DTDHandler}</code>,
 * <code>{@link org.xml.sax.ContentHandler ContentHandler}</code>, and
 * <code>{@link org.xml.sax.ErrorHandler ErrorHandler}</code> events automatically.</p>
 *
 * @since SAX 2.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.helpers.XMLFilterImpl
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/XMLFilter.java

No license file was found, but licenses were detected in source scan.

/**
 * Interface for associating a SAX event with a document location.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * If a SAX parser provides location information to the SAX
 * application, it does so by implementing this interface and then
 * passing an instance to the application using the content
 * handler's <code>{@link org.xml.sax.ContentHandler#setDocumentLocator}</code>
 * method. The application can use the
 * object to obtain the location of any other content handler event
in the XML source document.</p>

Note that the results returned by the object will be valid only during the scope of each content handler method: the application will receive unpredictable results if it attempts to use the locator at any other time.</p>

SAX parsers are not required to supply a locator, but they are very strongly encouraged to do so. If the parser supplies a locator, it must do so before reporting any other document events. If no locator has been set by the time the application receives the event, the application should assume that a locator is not available.</p>

@since SAX 1.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.ContentHandler#setDocumentLocator

/**
* Receive notification of basic DTD-related events.
*
* This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</p>

Note that this interface includes only those DTD events that the XML recommendation <em>requires</em> processors to report: notation and unparsed entity declarations.</p>

The SAX parser may report these events in any order, regardless of the order in which the notations and unparsed entities were declared; however, all DTD events must be reported after the
* document handler's startDocument event, and before the first
* startElement event.</p>
*
* <p>It is up to the application to store the information for
* future use (perhaps in a hash table or object tree).
* If the application encounters attributes of type "NOTATION",
* "ENTITY", or "ENTITIES", it can use the information that it
* obtained through this interface to find the entity and/or
* notation corresponding with the attribute value.</p>
*
* @since SAX 1.0
* @author David Megginson,
*     <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.Parser#setDTDHandler
* @see org.xml.sax.HandlerBase
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/DTDHandler.java

No license file was found, but licenses were detected in source scan.

/*
* The Apache Software License, Version 1.1
*
* Copyright (c) 2001, 2002 The Apache Software Foundation.
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* *
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* *
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in
*    the documentation and/or other materials provided with the
*    distribution.
* *
* 3. The end-user documentation included with the redistribution,
*    if any, must include the following acknowledgment:
*    "This product includes software developed by the
*    Apache Software Foundation (http://www.apache.org/)."
* Alternately, this acknowledgment may appear in the software itself,
* if and wherever such third-party acknowledgments normally appear.
* */
4. The names "Xerces" and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.

5. Products derived from this software may not be called "Apache", nor may "Apache" appear in their name, without prior written permission of the Apache Software Foundation.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation and was originally based on software copyright (c) 1999-2001, Sun Microsystems, Inc., http://www.sun.com. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.

This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY.

This class implements the default behaviour for four SAX1 interfaces: EntityResolver, DTDHandler, DocumentHandler, and ErrorHandler. It is now obsolete, but is included in SAX2 to support legacy SAX1 applications. SAX2 applications should use the {@link org.xml.sax.helpers.DefaultHandler DefaultHandler}
* class instead.</p>
*
* Application writers can extend this class when they need to
* implement only part of an interface; parser writers can
* instantiate this class to provide default handlers when the
* application has not supplied its own.\</p>
*
* Note that the use of this class is optional.</p>
*
* @deprecated This class works with the deprecated
* interface. It has been replaced by the SAX2
* class.
* @since SAX 1.0
* @author David Megginson,
* \( <a href="mailto:sax@megginson.com">sax@megginson.com</a> \)
* @version 2.0
* @see org.xml.sax.EntityResolver
* @see org.xml.sax.DTDHandler
* @see org.xml.sax.DocumentHandler
* @see org.xml.sax.ErrorHandler
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/HandlerBase.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright (c) 2002 World Wide Web Consortium,
* (Massachusetts Institute of Technology, Institut National de
* Recherche en Informatique et en Automatique, Keio University). All
* Rights Reserved. This program is distributed under the W3C's Software
* Intellectual Property License. This program is distributed in the
* hope that it will be useful, but WITHOUT ANY WARRANTY; without even
* the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR
* PURPOSE.
* See W3C License http://www.w3.org/Consortium/Legal/ for more details.
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ls/DOMBuilderFilter.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ls/DOMInputSource.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ls/DocumentLS.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/xpath/XPathNSResolver.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright (c) 2002 World Wide Web Consortium,
* (Massachusetts Institute of Technology, Institut National de
* Recherche en Informatique et en Automatique, Keio University). All
* Rights Reserved. This program is distributed under the W3C's Software
* Intellectual Property License. This program is distributed in the
* hope that it will be useful, but WITHOUT ANY WARRANTY; without even
* the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR
* PURPOSE.
* See W3C License http://www.w3.org/Consortium/Legal/ for more details.
*/

/**
* DOM Level 3 WD Experimental:
* The DOM Level 3 specification is at the stage
* of Working Draft, which represents work in
* progress and thus may be updated, replaced,
* or obsoleted by other documents at any time.</p>
* <code>XPathEvaluator</code>, which will provide evaluation of XPath 1.0
* expressions with no specialized extension functions or variables. It is
* expected that the <code>XPathEvaluator</code> interface will be
* implemented on the same object which implements the <code>Document</code>
* interface in an implementation which supports the XPath DOM module.
* <code>XPathEvaluator</code> implementations may be available from other
* sources that may provide support for special extension functions or
* variables which are not defined in this specification. The methods of
* XPathExpression should be named with more-XPath- specific names because
* the interface will often be implemented by the same object which

* implements document. No change. The point of interfaces is to localize the
* implementing namespace. This would make the method names unnecessarily
* long and complex even though there are no conflicts in the interface
* itself. The new core method getInterface is designed for discovering
* interfaces of additional modules that may not be directly implemented on
* the objects to which they are attached. This could be used to implement
* XPath on a separate object. The user only refers to the separate
* interfaces and not the proprietary aggregate implementation. Should entity
* refs be supported so that queries can be made on them? No change. We will
* not do this now. They are not part of the XPath data model. Note that
* they may be present in the hierarchy of returned nodes, but may not
* directly be requested or returned in the node set. What does createResult
* create when one wants to reuse the XPath? It is not useful. Removed method.
* Should ordering be a separate flag, or a type of result that can be
* requested. As a type of result, it can be better optimized in
* implementations. It makes sense as a type of result. Changed. Removed
* method. Implementing XPathEvaluator on Document can be a problem due to
* conflicts in the names of the methods. The working group finds no better
* solution. GetInterface in Level 3 permits the object to be implemented
* separately. We should be committed to this. We will leave this issue open
* to see if we get more feedback on it. How does this interface adapt to
* XPath 2.0 and other query languages. No change. This interface is not
* intended to adapt to XPath 2.0 or other languages. The models of these
* are likely to be incompatible enough to require new APIs. For alternate
* implementations that can use this API, it can be obtained from different
* sources. Support for custom variables and functions would be very useful.
* No change. It is possible for an implementation to supply alternative
* sources of an XPathEvaluator that can be customized with a custom
* variable and function context. We do not specify how this is
* accomplished. It is too complex to address in this version of the XPath
* DOM.
* <p>See also the <a href='http://www.w3.org/TR/2002/WD-DOM-Level-3-XPath-20020328'>Document Object
* Model (DOM) Level 3 XPath Specification</a>.</p>
*

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/xpath/XPathEvaluator.java
No license file was found, but licenses were detected in source scan.

/**
* Interface for an element's attribute specifications.
* *
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
* */
*<p>This is the original SAX1 interface for reporting an element’s attributes. Unlike the new [@link org.xml.sax.Attributes Attributes] interface, it does not support Namespace-related information.</p>*

*<p>When an attribute list is supplied as part of a `[@link org.xml.sax.DocumentHandler#startElement startElement]` event, the list will return valid results only during the scope of the event; once the event handler returns control to the parser, the attribute list is invalid. To save a persistent copy of the attribute list, use the SAX1 `[@link org.xml.sax.helpers.AttributeListImpl AttributeListImpl]` helper class.</p>*

*<p>An attribute list includes only attributes that have been specified or defaulted: #IMPLIED attributes will not be included.</p>*

*<p>There are two ways for the SAX application to obtain information from the AttributeList. First, it can iterate through the entire list:</p>*

```java
public void startElement (String name, AttributeList atts) {
    for (int i = 0; i < atts.getLength(); i++) {
        String name = atts.getName(i);
        String type = atts.getType(i);
        String value = atts.getValue(i);
        [...]
    }
}
</pre>

(Nota que el resultado de `getLength()` será cero si no hay atributos.)

*<p>As an alternative, the application can request the value or type of specific attributes:</p>*

```java
public void startElement (String name, AttributeList atts) {
    String identifier = atts.getValue("id");
    String label = atts.getValue("label");
    [...]
}
</pre>

@deprecated This interface has been replaced by the SAX2 `[@link org.xml.sax.Attributes Attributes]` interface, which includes Namespace support.
* @since SAX 1.0
* @author David Megginson,
*       <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.DocumentHandler#startElement startElement
* @see org.xml.sax.helpers.AttributeListImpl AttributeListImpl
*
* Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/AttributeList.java
* No license file was found, but licenses were detected in source scan.

/**
* Receive notification of general document events.
*
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
*<p>This was the main event-handling interface for SAX1; in
* SAX2, it has been replaced by { @link org.xml.sax.ContentHandler
* ContentHandler}, which provides Namespace support and reporting
* of skipped entities. This interface is included in SAX2 only
* to support legacy SAX1 applications.</p>
*<p>The order of events in this interface is very important, and
* mirrors the order of information in the document itself. For
* example, all of an element's content (character data, processing
* instructions, and/or subelements) will appear, in order, between
* the startElement event and the corresponding endElement event.</p>
*<p>Application writers who do not want to implement the entire
* interface can derive a class from HandlerBase, which implements
* the default functionality; parser writers can instantiate
* HandlerBase to obtain a default handler. The application can find
* the location of any document event using the Locator interface
* supplied by the Parser through the setDocumentLocator method.</p>
*
* @deprecated This interface has been replaced by the SAX2
* { @link org.xml.sax.ContentHandler ContentHandler}
* interface, which includes Namespace support.
* @since SAX 1.0
* @author David Megginson,
*       <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.Parser#setDocumentHandler
* @see org.xml.sax.Locator

Open Source Used In CSPC_Collector 2.9.1 6841
* @see org.xml.sax.HandlerBase
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/DocumentHandler.java
No license file was found, but licenses were detected in source scan.

// NO WARRANTY! This class is in the Public Domain.
/**
 * Factory for creating an XML reader.
 *<blockquote>
 * This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>. See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
 * for further information.
 *</blockquote>
 *
 * This class contains static methods for creating an XML reader
 * from an explicit class name, or based on runtime defaults:<p>
 *
 * try {
 * XMLReader myReader = XMLReaderFactory.createXMLReader();
 * } catch (SAXException e) {
 * System.err.println(e.getMessage());
 * }
 *
 * <p><strong>Note to Distributions bundled with parsers:</strong> You should modify the implementation of the no-arguments
 * createXMLReader to handle cases where the external
 * configuration mechanisms aren't set up. That method should do its
 * best to return a parser when one is in the class path, even when
 * nothing bound its class name to <code>org.xml.sax.driver</code> so
 * those configuration mechanisms would see it.</p>
 *
 * @since SAX 2.0
 * @author David Megginson, David Brownell
 * @version 2.0r2pre3
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/helpers/XMLReaderFactory.java
No license file was found, but licenses were detected in source scan.
/*
 * Encapsulate Namespace logic for use by SAX drivers.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY</em>.
 * </blockquote>
 *
 * This class encapsulates the logic of Namespace processing:
 * it tracks the declarations currently in force for each context
 * and automatically processes qualified XML 1.0 names into their Namespace parts; it can also be used in reverse for generating XML 1.0 from Namespaces.
 *
 * Namespace support objects are reusable, but the reset method must be invoked between each session.
 *
 * Here is a simple session:
 *
 * String parts[] = new String[3];
 * NamespaceSupport support = new NamespaceSupport();
 * support.pushContext();
 * support.declarePrefix("", "http://www.w3.org/1999/xhtml");
 * support.declarePrefix("dc", "http://www.purl.org/dc#");
 * String parts[] = support.processName("p", parts, false);
 * System.out.println("Namespace URI: " + parts[0]);
 * System.out.println("Local name: " + parts[1]);
 * System.out.println("Raw name: " + parts[2]);
 *
 * String parts[] = support.processName("dc:title", parts, false);
 * System.out.println("Namespace URI: " + parts[0]);
 * System.out.println("Local name: " + parts[1]);
 * System.out.println("Raw name: " + parts[2]);
 *
 * support.popContext();
 * </pre>
 *
 * Note that this class is optimized for the use case where most elements do not contain Namespace declarations: if the same prefix/URI mapping is repeated for each context (for example), this class will be somewhat less efficient.
 *
 * @since SAX 2.0
 * @author David Megginson,
Default base class for SAX2 event handlers.

This class is available as a convenience base class for SAX2 applications: it provides default implementations for all of the callbacks in the four core SAX2 handler classes:

- `EntityResolver`
- `DTDHandler`
- `ContentHandler`
- `ErrorHandler`

Application writers can extend this class when they need to implement only part of an interface; parser writers can instantiate this class to provide default handlers when the application has not supplied its own.

This class replaces the deprecated SAX1 `HandlerBase` class.

@since SAX 2.0
@version 2.0
@author David Megginson,
No license file was found, but licenses were detected in source scan.

/**
 * Encapsulate an XML parse error or warning.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY.</em>
 * </blockquote>
 *
 * This exception will include information for locating the error in the original XML document. Note that although the application will receive a SAXParseException as the argument to the handlers in the [@link org.xml.sax.ErrorHandler ErrorHandler] interface, the application is not actually required to throw the exception; instead, it can simply read the information in it and take a different action.</p>
 *
 * Since this exception is a subclass of [@link org.xml.sax.SAXException SAXException], it inherits the ability to wrap another exception.
 *
 * @since SAX 1.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.SAXException
 * @see org.xml.sax.Locator
 * @see org.xml.sax.ErrorHandler
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/SAXParseException.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright (c) 2000 World Wide Web Consortium,
 * (Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio University). All Rights Reserved. This program is distributed under the W3C's Software Intellectual Property License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
 * See W3C License http://www.w3.org/Consortium/Legal/ for more details.
 */
Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ranges/RangeException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/CharacterData.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/NamedNodeMap.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Text.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/Event.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Notation.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/DocumentEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/EventTarget.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Attr.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ProcessingInstruction.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/EventException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/traversal/TreeWalker.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/MutationEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Comment.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/EntityReference.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DocumentFragment.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/CDATASection.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Node.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/NodeList.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DocumentType.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DOMImplementation.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/EventListener.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/traversal/NodeIterator.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Entity.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DOMException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Element.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ranges/Range.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/traversal/NodeFilter.java
No license file was found, but licenses were detected in source scan.

/**
 * Basic interface for resolving entities.
 *
 * <blockquote>
 * This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>. 
 * </blockquote>
 *
 * If a SAX application needs to implement customized handling
 * for external entities, it must implement this interface and
 * register an instance with the SAX driver using the
 * {@link org.xml.sax.XMLReader#setEntityResolver setEntityResolver}
 * method.
 *
 * The XML reader will then allow the application to intercept any
 * external entities (including the external DTD subset and external
 * parameter entities, if any) before including them.
 *
 * Many SAX applications will not need to implement this interface,
 * but it will be especially useful for applications that build
 * XML documents from databases or other specialised input sources,
 * or for applications that use URI types other than URLs.
 *
 * The following resolver would provide the application
 * with a special character stream for the entity with the system
 * identifier "http://www.myhost.com/today":
 *
 * import org.xml.sax.EntityResolver;
 * import org.xml.sax.InputSource;
 *
 * public class MyResolver implements EntityResolver {
 *   public InputSource resolveEntity (String publicId, String systemId)
 *   {
 *     if (systemId.equals("http://www.myhost.com/today")) {
 *       MyReader reader = new MyReader();
 *       return new InputSource(reader);
 *     } else {
 *       return null;
 *     }
 *   }
 * }
 */
The application can also use this interface to redirect system identifiers to local URIs or to look up replacements in a catalog (possibly by using the public identifier).<p>
</p>

@since SAX 1.0  
@author David Megginson,

<a href="mailto:sax@megginson.com">sax@megginson.com</a>

@version 2.0  
@see org.xml.sax.Parser#setEntityResolver

@see org.xml.sax.InputSource

/**

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/EntityResolver.java

No license file was found, but licenses were detected in source scan.

documentation contained in this distribution into the Public Domain.

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/package.html

No license file was found, but licenses were detected in source scan.

/*

 Copyright (c) 2000 World Wide Web Consortium,
 (Massachusetts Institute of Technology, Institut National de
 Recherche en Informatique et en Automatique, Keio University). All
 Rights Reserved. This program is distributed under the W3C's Software
 Intellectual Property License. This program is distributed in the
 hope that it will be useful, but WITHOUT ANY WARRANTY; without even
 the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR
 PURPOSE. See W3C License http://www.w3.org/Consortium/Legal/ for more
 details.

*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/html/HTMLElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/html/HTMLHtmlElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/html/HTMLParagraphElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/html/HTMLBodyElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/html/HTMLBRElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/html/HTMLabelElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLTableRowElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLSelectElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLMenuElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLTableCellElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLHeadElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLBaseFontElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLFrameSetElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLFieldSetElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLLegendElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLFormElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLTableCellElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLLegendElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLCollection.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLFieldSetElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLCollection.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLLegendElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLCollection.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLTextAreaElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLLLIEElement.java
No license file was found, but licenses were detected in source scan.

/**
 * Provide an optional convenience implementation of Locator.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This class is available mainly for application writers, who
 * can use it to make a persistent snapshot of a locator at any
 * point during a document parse:
 *
 * @since SAX 1.0
 * @author David Megginson,
 * @version 2.0
 * @see org.xml.sax.Locator
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*
 * The Apache Software License, Version 1.1
 *
 * Copyright (c) 2001 The Apache Software Foundation. All rights
 * reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 *
 * 3. The end-user documentation included with the redistribution,
 *    if any, must include the following acknowledgment:
 *    "This product includes software developed by the
 *    Apache Software Foundation (http://www.apache.org/)."
 *    Alternately, this acknowledgment may appear in the software itself,
 *    if and wherever such third-party acknowledgments normally appear.
 *
 * 4. The name "Apache Software Foundation" must not be used to endorse or
 *    promote products derived from this software without prior written
 *    permission. For written permission, please contact apache@apache.org.
 *
 * 5. Products derived from this software may not be called "Apache",
 *    nor may "Apache" appear in their name, without prior written
 *    permission of the Apache Software Foundation.
 *
 * THIS SOFTWARE IS PROVIDED \"AS IS\" AND ANY EXPRESSED OR IMPLIED
 * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
 * DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
 * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
 * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
 * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
 * USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
 * ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
 * OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT

Open Source Used In CSPC_Collector 2.9.1 6852
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*===================================================================
*
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation and was
* originally based on software copyright (c) 1999-2001, Sun Microsystems,
* Foundation, please see <http://www.apache.org>.
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/ParserConfigurationException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/FactoryFinder.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/FactoryConfigurationError.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/SAXParserFactory.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/DocumentBuilderFactory.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/SAXParser.java

No license file was found, but licenses were detected in source scan.

// NO WARRANTY! This class is in the Public Domain.
/**
* Interface for reading an XML document using callbacks.
*
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>. </em>
* </blockquote>
*
* <p><strong>Note:</strong> despite its name, this interface does
* extend the standard Java [ @link java.io.Reader Reader ]
* interface, because reading XML is a fundamentally different activity
* than reading character data.</p>
*
* <p>XMLReader is the interface that an XML parser's SAX2 driver must
* implement. This interface allows an application to set and
* query features and properties in the parser, to register
* event handlers for document processing, and to initiate
* a document parse.</p>
*
* <p>All SAX interfaces are assumed to be synchronous: the
* {@link #parse parse} methods must not return until parsing
* is complete, and readers must wait for an event-handler callback
* to return before reporting the next event.</p>
*
<p>This interface replaces the (now deprecated) SAX 1.0 [@link
* org.xml.sax.Parser Parser] interface. The XMLReader interface
* contains two important enhancements over the old Parser
* interface:</p>
*
* <ol>
* <li>it adds a standard way to query and set features and
* properties; and</li>
* <li>it adds Namespace support, which is required for many
* higher-level XML standards.</li>
* </ol>
*
<p>There are adapters available to convert a SAX1 Parser to
* a SAX2 XMLReader and vice-versa.</p>
*
* @since SAX 2.0
* @author David Megginson,
*     <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.XMLFilter
* @see org.xml.sax.helpers.ParserAdapter
* @see org.xml.sax.helpers.XMLReaderAdapter
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/XMLReader.java
No license file was found, but licenses were detected in source scan.

/**
* A single input source for an XML entity.
*
* <blockquote>
* This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</blockquote>
*
* <p>This class allows a SAX application to encapsulate information
* about an input source in a single object, which may include
* a public identifier, a system identifier, a byte stream (possibly
* with a specified encoding), and/or a character stream.</p>
*
* <p>There are two places that the application will deliver this
* input source to the parser: as the argument to the Parser.parse
* method, or as the return value of the EntityResolver.resolveEntity
* method.</p>

* <p>The SAX parser will use the InputSource object to determine how
* to read XML input. If there is a character stream available, the
* parser will read that stream directly; if not, the parser will use
* a byte stream, if available; if neither a character stream nor a
* byte stream is available, the parser will attempt to open a URI
* connection to the resource identified by the system
* identifier.</p>

* <p>An InputSource object belongs to the application: the SAX parser
* shall never modify it in any way (it may modify a copy if
* necessary).</p>

* @since SAX 1.0
* @author David Megginson,
*       <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.Parser#parse
* @see org.xml.sax.EntityResolver#resolveEntity
* @see java.io.InputStream
* @see java.io.Reader
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/InputSource.java
No license file was found, but licenses were detected in source scan.

// NO WARRANTY! This class is in the Public Domain.
/**
 * Exception class for an unsupported operation.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em></blockquote>
 *
 * An XMLReader will throw this exception when it recognizes a
 * feature or property identifier, but cannot perform the requested
 * operation (setting a state or value). Other SAX2 applications and
 * extensions may use this class for similar purposes.</p>
 *
* @since SAX 2.0
* @author David Megginson,
*       <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.SAXNotRecognizedException
*/
No license file was found, but licenses were detected in source scan.

/*
 * The Apache Software License, Version 1.1
 *
 * Copyright (c) 2002 The Apache Software Foundation. All rights
 * reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 *
 * 3. The end-user documentation included with the redistribution,
 *    if any, must include the following acknowledgment:
 *       "This product includes software developed by the
 *       Apache Software Foundation (http://www.apache.org/)."
 *    Alternately, this acknowledgment may appear in the software itself,
 *    if and wherever such third-party acknowledgments normally appear.
 *
 * 4. The name "Apache Software Foundation" must not be used to endorse or
 *    promote products derived from this software without prior written
 *    permission. For written permission, please contact apache@apache.org.
 *
 * 5. Products derived from this software may not be called "Apache",
 *    nor may "Apache" appear in their name, without prior written
 *    permission of the Apache Software Foundation.
 *
 * THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
 * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
 * DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
 * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
 * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
 * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
 * USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, * OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT * OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF * SUCH DAMAGE.

*===================================================================*

* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation and was
* originally based on software copyright (c) 1999-2002, Sun Microsystems,
* Foundation, please see <http://www.apache.org/>.
*/

Found in path(s):

No license file was found, but licenses were detected in source scan.

The DOM bindings are published under the W3C Software Copyright Notice
Permission to use, copy, and modify this software and its documentation,
with or without modification,&nbsp; for any purpose and without fee or
royalty is hereby granted, provided that you include the following on ALL

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/package.html
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/traversal/package.html
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ranges/package.html
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/package.html

No license file was found, but licenses were detected in source scan.

// NO WARRANTY! This class is in the public domain.
/**
* Adapt a SAX1 Parser as a SAX2 XMLReader.
*
* <blockquote>
<em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
*<p>This class wraps a SAX1 [@link org.xml.sax.Parser Parser]
* and makes it act as a SAX2 [ @link org.xml.sax.XMLReader XMLReader ],
* with feature, property, and Namespace support. Note
* that it is not possible to report [ @link org.xml.sax.ContentHandler#skippedEntity
* skippedEntity ] events, since SAX1 does not make that information available.</p>
*  
* <p>This adapter does not test for duplicate Namespace-qualified
* attribute names.</p>
*  
* @since SAX 2.0
* @author David Megginson,
*         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.helpers.XMLReaderAdapter
* @see org.xml.sax.XMLReader
* @see org.xml.sax.Parser
*/
/**
 * Adapt a SAX1 AttributeList as a SAX2 Attributes object.
 *
 * <p>This class is in the Public Domain, and comes with NO
 * WARRANTY of any kind.</p>
 *
 * <p>This wrapper class is used only when Namespace support
 * is disabled -- it provides pretty much a direct mapping
 * from SAX1 to SAX2, except that names and types are
 * interned whenever requested.</p>
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/helpers/ParserAdapter.java
No license file was found, but licenses were detected in source scan.

// NO WARRANTY! This class is in the public domain.
/**
 * Default implementation of the Attributes interface.
 *
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
 * for further information.
 */

* <p>This class provides a default implementation of the SAX2
 * [ @link org.xml.sax.Attributes Attributes ] interface, with the
 * addition of manipulators so that the list can be modified or
 * reused.</p>
There are two typical uses of this class:

1. to take a persistent snapshot of an Attributes object in a `startElement` event;
2. to construct or modify an Attributes object in a SAX2 driver or filter.

This class replaces the now-deprecated SAX1 `AttributeListImpl` class; in addition to supporting the updated Attributes interface rather than the deprecated `AttributeList` interface, it also includes a much more efficient implementation using a single array rather than a set of Vectors.

@since SAX 2.0
@since 2.0.1 (sax2r2)

Create a new instance of a class by name.

This module, both source code and documentation, is in the Public Domain, and comes with **NO WARRANTY**. See [http://www.saxproject.org](http://www.saxproject.org) for further information.

This class contains a static method for creating an instance of a class from an explicit class name. It tries to use the thread's context ClassLoader if possible and falls back to using `Class.forName(String)`. It also takes into account JDK 1.2+'s `AccessController` mechanism for performing its actions.

This code is designed to run on JDK version 1.1 and later and compile on versions of Java 2 and later.

@copyright Edwin Goei, David Brownell, Neil Graham
@version $Id: NewInstance.java,v 1.2 2002/08/26 23:55:45 neilg Exp $
Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/NewInstance.java
No license file was found, but licenses were detected in source scan.

/**
 * Encapsulate a general SAX error or warning.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This class can contain basic error or warning information from
 * either the XML parser or the application: a parser writer or
 * application writer can subclass it to provide additional
 * functionality. SAX handlers may throw this exception or
 * any exception subclassed from it.</p>
 *
 * If the application needs to pass through other types of
 * exceptions, it must wrap those exceptions in a SAXException
 * or an exception derived from a SAXException.</p>
 *
 * If the parser or application needs to include information about a
 * specific location in an XML document, it should use the
 * [@link org.xml.sax.SAXParseException SAXParseException] subclass.</p>
 *
 * @since SAX 1.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.SAXParseException
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/SAXException.java
No license file was found, but licenses were detected in source scan.

// NO WARRANTY! This class is in the Public Domain.
/**
 * Exception class for an unrecognized identifier.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
An XMLReader will throw this exception when it finds an
unrecognized feature or property identifier; SAX applications and
extensions may use this class for other, similar purposes.</p>

@since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.SAXNotSupportedException
*/

Found in path(s):
*/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/xml/sax/SAXNotRecognizedException.java

No license file was found, but licenses were detected in source scan.

been placed in the public domain.
Because SAX is released to the public domain, there is no warranty
merchantability and fitness for a particular purpose. The entire
into the public domain.

Public Domain. SAX comes with NO WARRANTY or guarantee of fitness

Found in path(s):
*/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/package.html

No license file was found, but licenses were detected in source scan.

/**
* Create a new <code>DOMBuilder</code>. The newly constructed parser may
* then be configured by means of its <code>setFeature</code> method,
* and used to parse documents by means of its <code>parse</code>
* method.
* @param mode The <code>mode</code> argument is either
* <code>MODE_SYNCHRONOUS</code> or <code>MODE_ASYNCHRONOUS</code>, if
* <code>mode</code> is <code>MODE_SYNCHRONOUS</code> then the
* <code>DOMBuilder</code> that is created will operate in synchronous
* mode, if it's <code>MODE_ASYNCHRONOUS</code> then the
* `<code>DOMBuilder</code>` that is created will operate in asynchronous mode.
* `@param` schemaType  An absolute URI representing the type of the schema language used during the load of a `<code>Document</code>` using the newly created `<code>DOMBuilder</code>`. Note that no lexical checking is done on the absolute URI. In order to create a `<code>DOMBuilder</code>` for any kind of schema types (i.e. the DOMBuilder will be free to use any schema found), use the value `<code>null</code>`. For W3C XML Schema, applications must use the value `<code>"http://www.w3.org/2001/XMLSchema"</code>`. For XML DTDs, applications must use the value `<code>"http://www.w3.org/TR/REC-xml"</code>`. Other Schema languages are outside the scope of the W3C and therefore should recommend an absolute URI in order to use this method.
* `@return` The newly created `<code>DOMBuilder</code>` object. This `<code>DOMBuilder</code>` is either synchronous or asynchronous depending on the value of the `<code>mode</code>` argument. By default, the newly created `<code>DOMBuilder</code>` does not contain a `<code>DOMErrorHandler</code>`, i.e. the value of the `<code>errorHandler</code>` is `<code>null</code>`. However, implementations may provide a default error handler at creation time. In that case, the initial value of the `<code>errorHandler</code>` attribute on the new created `<code>DOMBuilder</code>` contains a reference to the default error handler.
* `@exception DOMException` NOT_SUPPORTED_ERR: Raised if the requested mode or schema type is not supported.

/\*
* Basic interface for SAX (Simple API for XML) parsers.
* 
* `<blockquote>
* `<em>`This module, both source code and documentation, is in the Public Domain, and comes with `<strong>`NO WARRANTY</strong>`.</em>
* `<blockquote>
* 
* `<p>`This was the main event supplier interface for SAX1; it has been replaced in SAX2 by `{@link org.xml.sax.XMLReader XMLReader}`, which includes Namespace support and sophisticated configurability and extensibility.</p>`
* 
*/

Found in path(s):
* `/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ls/DOMImplementationLS.java`
No license file was found, but licenses were detected in source scan.

/\*
* Basic interface for SAX (Simple API for XML) parsers.
* 
* `<blockquote>
* `<em>`This module, both source code and documentation, is in the Public Domain, and comes with `<strong>`NO WARRANTY</strong>`.</em>
* `<blockquote>
* 
* `<p>`This was the main event supplier interface for SAX1; it has been replaced in SAX2 by `{@link org.xml.sax.XMLReader XMLReader}`, which includes Namespace support and sophisticated configurability and extensibility.</p>`
* 
*/
* <p>All SAX1 parsers must implement this basic interface: it allows
* applications to register handlers for different types of events
* and to initiate a parse from a URI, or a character stream.</p>
*
* <p>All SAX1 parsers must also implement a zero-argument constructor
* (though other constructors are also allowed).</p>
*
* <p>SAX1 parsers are reusable but not re-entrant: the application
* may reuse a parser object (possibly with a different input source)
* once the first parse has completed successfully, but it may not
* invoke the parse() methods recursively within a parse.</p>
*
* @deprecated This interface has been replaced by the SAX2
* interface, which includes Namespace support.
* @since SAX 1.0
* @author David Megginson,
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.EntityResolver
* @see org.xml.sax.DTDHandler
* @see org.xml.sax.DocumentHandler
* @see org.xml.sax.ErrorHandler
* @see org.xml.sax.HandlerBase
* @see org.xml.sax.InputSource
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/Parser.java
No license file was found, but licenses were detected in source scan.

// Public Domain: no warranty.
/**
 * SAX2 extension handler for DTD declaration events.
 *
 * <p>This module, both source code and documentation, is in the
 * Public Domain, and comes with NO WARRANTY.</p>
 *
 * <p>This is an optional extension handler for SAX2 to provide
 * information about DTD declarations in an XML document. XML
 * readers are not required to support this handler, and this
 * handler is not included in the core SAX2 distribution.</p>
 *
 * Note that data-related DTD declarations (unparsed entities and
 * notations) are already reported through the { @link
 * org.xml.sax.DTDHandler DTDHandler} interface.</p>
*<p>If you are using the declaration handler together with a lexical handler, all of the events will occur between the
*{@link org.xml.sax.ext.LexicalHandler#startDTD startDTD} and the
*{@link org.xml.sax.ext.LexicalHandler#endDTD endDTD} events.</p>*

*<p>To set the DeclHandler for an XML reader, use the
*@link org.xml.sax.XMLReader#setProperty setProperty* method
*with the propertyName "http://xml.org/sax/properties/declaration-handler".
*If the reader does not support declaration events, it will throw a
*@link org.xml.sax.SAXNotRecognizedException SAXNotRecognizedException*
or a
*@link org.xml.sax.SAXNotSupportedException SAXNotSupportedException*
*when you attempt to register the handler.</p>*

*<p>@since 1.0
*<p>@author David Megginson,
*<p>     <a href="mailto:sax@megginson.com">sax@megginson.com</a>
*<p>@version 1.0
*<p>@see org.xml.sax.XMLReader
*<p>

*Found in path(s):
/*
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/ext/DeclHandler.java
*No license file was found, but licenses were detected in source scan.
*/

/**
* Java-specific class for dynamically loading SAX parsers.
*<p>
*<p><em>This module, both source code and documentation, is in the
*Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
*See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
*for further information.
*<p></p>
*<p><strong>Note:</strong> This class is designed to work with the now-deprecated
*SAX1 {@link org.xml.sax.Parser Parser} class. SAX2 applications should use
*@link org.xml.sax.helpers.XMLReaderFactory XMLReaderFactory* instead.</p>*

*<p>ParserFactory is not part of the platform-independent definition
*of SAX; it is an additional convenience class designed
*specifically for Java XML application writers. SAX applications
*can use the static methods in this class to allocate a SAX parser
*dynamically at run-time based either on the value of the
"org.xml.sax.parser" system property or on a string containing the class
*name.</p>
* <p>Note that the application still requires an XML parser that implements SAX1.</p> *
*
* @deprecated This class works with the deprecated
*         {@link org.xml.sax.Parser Parser}
*         interface.
* @since SAX 1.0
* @author David Megginson
* @version 2.0r2pre3
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/xml/sax/helpers/ParserFactory.java

No license file was found, but licenses were detected in source scan.

/*
 * The Apache Software License, Version 1.1
 * *
 * Copyright (c) 2002 The Apache Software Foundation.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 *
 * 3. The end-user documentation included with the redistribution,
 *    if any, must include the following acknowledgment:
 *    "This product includes software developed by the
 *    Apache Software Foundation (http://www.apache.org/)."
 *    Alternately, this acknowledgment may appear in the software itself,
 *    if and wherever such third-party acknowledgments normally appear.
 *
 * 4. The names "Xerces" and "Apache Software Foundation" must
 *    not be used to endorse or promote products derived from this
 *    software without prior written permission. For written
 *    permission, please contact apache@apache.org.
 *
 * 5. Products derived from this software may not be called "Apache",
* nor may "Apache" appear in their name, without prior written
* permission of the Apache Software Foundation.

* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

* ====================================================================
*
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation and was
* originally based on software copyright (c) 1999, International
* Business Machines, Inc., http://www.apache.org. For more
* information on the Apache Software Foundation, please see
*
* Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
* jar/javax/xml/parsers/FilePathToURI.java
* No license file was found, but licenses were detected in source scan.

// NO WARRANTY! This class is in the public domain.
/**
* Adapt a SAX2 XMLReader as a SAX1 Parser.
* *
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
* 
* <p>This class wraps a SAX2 [@link org.xml.sax.XMLReader XMLReader]
* and makes it act as a SAX1 [@link org.xml.sax.Parser Parser]. The XMLReader
* must support a true value for the
* http://xml.org/sax/features/namespace-prefixes property or parsing will fail
* with a [@link org.xml.sax.SAXException SAXException]; if the XMLReader
* supports a false value for the http://xml.org/sax/features/namespaces
* property, that will also be used to improve efficiency.</p>
* 
* @since SAX 2.0
// NO WARRANTY! This class is in the public domain.

/**
 * Receive notification of the logical content of a document.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This is the main interface that most SAX applications implement: if the application needs to be informed of basic parsing events, it implements this interface and registers an instance with the SAX parser using the `setContentHandler` method. The parser uses the instance to report basic document-related events like the start and end of elements and character data.
 *
 * The order of events in this interface is very important, and mirrors the order of information in the document itself. For example, all of an element's content (character data, processing instructions, and/or subelements) will appear, in order, between the `startElement` event and the corresponding `endElement` event.
 *
 * This interface is similar to the now-deprecated SAX 1.0 `DocumentHandler` interface, but it adds support for Namespaces and for reporting skipped entities (in non-validating XML processors).
 *
 * Implementors should note that there is also a Java class `ContentHandler` in the java.net package; that means that it's probably a bad idea to do
 *
 * import java.net.*;
 * import org.xml.sax.*;
 * </blockquote>
In fact, "import ...*" is usually a sign of sloppy programming anyway, so the user should consider this a feature rather than a bug.</p>

@since SAX 2.0
@version 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>

SAX2 extension handler for lexical events.

This module, both source code and documentation, is in the Public Domain, and comes with **NO WARRANTY**.

This is an optional extension handler for SAX2 to provide lexical information about an XML document, such as comments and CDATA section boundaries; XML readers are not required to support this handler, and it is not part of the core SAX2 distribution.

The events in the lexical handler apply to the entire document, not just to the document element, and all lexical handler events must appear between the content handler's startDocument and endDocument events.

To set the LexicalHandler for an XML reader, use the [setProperty](http://xml.org/sax/properties/lexical-handler) method with the propertyId "http://xmlorg/sax/properties/lexical-handler". If the reader does not support lexical events, it will throw a [SAXNotRecognizedException](http://xml.org/sax/properties/lexical-handler) or a [SAXNotSupportedException](http://xml.org/sax/properties/lexical-handler) when you attempt to register the handler.

@since 1.0
@author David Megginson,
*a href=*"mailto:sax@megginson.com">sax@megginson.com</a>*
* @version 1.0
* @see org.xml.sax.XMLReader#setProperty
* @see org.xml.sax.SAXNotRecognizedException
* @see org.xml.sax.SAXNotSupportedException
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/ext/LexicalHandler.java

1.657 apache-el 8.5.24.2

1.657.1 Available under license:

Apache Tomcat
Copyright 1999-2017 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.658 policycoreutils 2.9-3.el8_1.1

1.658.1 Available under license:

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

59 Temple Place, Suite 330, Boston, MA  02111-1307  USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.659 openssl 1.1.1f
1.659.1 Available under license:

LICENSE ISSUES
============
The OpenSSL toolkit stays under a double license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts.

OpenSSL License
-------------

/* ====================================================================
 * Copyright (c) 1998-2019 The OpenSSL Project. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 *
 * 3. All advertising materials mentioning features or use of this
 *    software must display the following acknowledgment:
 *    "This product includes software developed by the OpenSSL Project
 *    for use in the OpenSSL Toolkit. (http://www.openssl.org/)
 *
 * 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
 *    endorse or promote products derived from this software without
 *    prior written permission. For written permission, please contact
 *    openssl-core@openssl.org.
 *
 * 5. Products derived from this software may not be called "OpenSSL"
 *    nor may "OpenSSL" appear in their names without prior written
 *    permission of the OpenSSL Project.
 *
 * 6. Redistributions of any form whatsoever must retain the following
 *    acknowledgment:
 *    "This product includes software developed by the OpenSSL Project
 *    for use in the OpenSSL Toolkit (http://www.openssl.org/)"
 *
 * THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY
 * EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
 * PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
 * ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
 * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT

---
Original SSLeay License
-----------------------

/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)  
* All rights reserved.  
*  
* This package is an SSL implementation written  
* by Eric Young (eay@cryptsoft.com).  
* The implementation was written so as to conform with Netscapes SSL. 
*  
* This library is free for commercial and non-commercial use as long as  
* the following conditions are aheared to.  The following conditions  
* apply to all code found in this distribution, be it the RC4, RSA,  
* lhash, DES, etc., code; not just the SSL code.  The SSL documentation  
* included with this distribution is covered by the same copyright terms  
* except that the holder is Tim Hudson (tjh@cryptsoft.com).  
*  
* Copyright remains Eric Young's, and as such any Copyright notices in  
* the code are not to be removed.  
* If this package is used in a product, Eric Young should be given attribution  
* as the author of the parts of the library used.  
* This can be in the form of a textual message at program startup or  
* in documentation (online or textual) provided with the package.  
*  
* Redistribution and use in source and binary forms, with or without  
* modification, are permitted provided that the following conditions  
* are met:  
* 1. Redistributions of source code must retain the copyright  
* notice, this list of conditions and the following disclaimer.  
* 2. Redistributions in binary form must reproduce the above copyright  
* notice, this list of conditions and the following disclaimer in the  
* documentation and/or other materials provided with the distribution.  
* 3. All advertising materials mentioning features or use of this software  
* must display the following acknowledgement:  
*/
* "This product includes cryptographic software written by
* Eric Young (eay@cryptsoft.com)"
* The word 'cryptographic' can be left out if the routines from the library
* being used are not cryptographic related :-).
* 4. If you include any Windows specific code (or a derivative thereof) from
* the apps directory (application code) you must include an acknowledgement:
* "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"
*
* THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* The licence and distribution terms for any publically available version or
* derivative of this code cannot be changed. i.e. this code cannot simply be
* copied and put under another distribution licence
* [including the GNU Public Licence.]
*/

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) 19yy name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files
created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as unet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.
4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called "undump" or "unexec" methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.

7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the
regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package's interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.660 commons-lang3 2.4

1.660.1 Available under license:

Apache Commons Lang
Copyright 2001-2008 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside 
or as an addendum to the NOTICE text from the Work, provided 
that such additional attribution notices cannot be construed 
as modifying the License.

You may add Your own copyright statement to Your modifications and 
may provide additional or different license terms and conditions 
for use, reproduction, or distribution of Your modifications, or 
for any such Derivative Works as a whole, provided Your use, 
reproduction, and distribution of the Work otherwise complies with 
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, 
any Contribution intentionally submitted for inclusion in the Work 
by You to the Licensor shall be under the terms and conditions of 
this License, without any additional terms or conditions. 
Notwithstanding the above, nothing herein shall supersede or modify 
the terms of any separate license agreement you may have executed 
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade 
names, trademarks, service marks, or product names of the Licensor, 
except as required for reasonable and customary use in describing the 
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or 
agreed to in writing, Licensor provides the Work (and each 
Contributor provides its Contributions) on an "AS IS" BASIS, 
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or 
implied, including, without limitation, any warranties or conditions 
of TITLE, NONINFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A 
PARTICULAR PURPOSE. You are solely responsible for determining the 
appropriateness of using or redistributing the Work and assume any 
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, 
whether in tort (including negligence), contract, or otherwise, 
unless required by applicable law (such as deliberate and grossly 
negligent acts) or agreed to in writing, shall any Contributor be 
liable to You for damages, including any direct, indirect, special, 
incidental, or consequential damages of any character arising as a 
result of this License or out of the use or inability to use the 
Work (including but not limited to damages for loss of goodwill, 
work stoppage, computer failure or malfunction, or any and all 
other commercial damages or losses), even if such Contributor 
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "["] replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.661 libpng 1.6.37
1.661.1 Available under license:

--------------------------------------------------------------------------------

Copyright (c) 1998-2008 Greg Roelofs. All rights reserved.

This software is provided "as is," without warranty of any kind, express or implied. In no event shall the author or contributors be held liable for any damages arising in any way from the use of
this software.

The contents of this file are DUAL-LICENSED. You may modify and/or redistribute this software according to the terms of one of the following two licenses (at your option):

LICENSE 1 ("BSD-like with advertising clause"):  

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. Redistributions of source code must retain the above copyright notice, disclaimer, and this list of conditions.
2. Redistributions in binary form must reproduce the above copyright notice, disclaimer, and this list of conditions in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgment:

   This product includes software developed by Greg Roelofs and contributors for the book, "PNG: The Definitive Guide," published by O'Reilly and Associates.

LICENSE 2 (GNU GPL v2 or later):

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

-----------------------------------------------

pnm2png / png2pnm --- conversion from PBM/PGM/PPM-file to PNG-file

copyright (C) 1999-2019 by Willem van Schaik <willem at schaik dot com>
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The software is provided "as is", without warranty of any kind, express or implied, including but not limited to the warranties of merchantability, fitness for a particular purpose and noninfringement. In no event shall the authors or copyright holders be liable for any claim, damages or other liability, whether in an action of contract, tort or otherwise, arising from, out of or in connection with the software or the use or other dealings in the software.

COPYRIGHT NOTICE, DISCLAIMER, and LICENSE
=========================================

PNG Reference Library License version 2
-----------------------------------------

* Copyright (c) 1995-2019 The PNG Reference Library Authors.
* Copyright (c) 2018-2019 Cosmin Truta.
* Copyright (c) 1996-1997 Andreas Dilger.
* Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

The software is supplied "as is", without warranty of any kind, express or implied, including, without limitation, the warranties of merchantability, fitness for a particular purpose, title, and non-infringement. In no event shall the Copyright owners, or anyone distributing the software, be liable for any damages or other liability, whether in contract, tort or otherwise, arising from, out of, or in connection with the software, or the use or other dealings in the software, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this software, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated, but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

3. This Copyright notice may not be removed or altered from any source or altered source distribution.

PNG Reference Library License version 1 (for libpng 0.5 through 1.6.35)

-----------------------------------------------------------------------
libpng versions 1.0.7, July 1, 2000, through 1.6.35, July 15, 2018 are Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson, are derived from libpng-1.0.6, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors:

Simon-Pierre Cadieux
Eric S. Raymond
Mans Rullgard
Cosmin Truta
Gilles Vollant
James Yu
Mandar Sahastrabuddhe
Google Inc.
Vadim Barkov

and with the following additions to the disclaimer:

There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

Some files in the "contrib" directory and some configure-generated files that are distributed with libpng have other copyright owners, and are released under other open source licenses.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998-2000 Glenn Randers-Pehrson, are derived from libpng-0.96, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

Tom Lane
Glenn Randers-Pehrson
Willem van Schaik
libpng versions 0.89, June 1996, through 0.96, May 1997, are
Copyright (c) 1996-1997 Andreas Dilger, are derived from libpng-0.88,
and are distributed according to the same disclaimer and license as
libpng-0.88, with the following individuals added to the list of
Contributing Authors:

  John Bowler
  Kevin Bracey
  Sam Bushell
  Magnus Holmgren
  Greg Roelofs
  Tom Tanner

Some files in the "scripts" directory have other copyright owners,
but are released under this license.

libpng versions 0.5, May 1995, through 0.88, January 1996, are
Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors"
is defined as the following set of individuals:

  Andreas Dilger
  Dave Martindale
  Guy Eric Schalnat
  Paul Schmidt
  Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing
Authors and Group 42, Inc. disclaim all warranties, expressed or
implied, including, without limitation, the warranties of
merchantability and of fitness for any purpose. The Contributing
Authors and Group 42, Inc. assume no liability for direct, indirect,
incidental, special, exemplary, or consequential damages, which may
result from the use of the PNG Reference Library, even if advised of
the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this
source code, or portions hereof, for any purpose, without fee, subject
to the following restrictions:

1. The origin of this source code must not be misrepresented.

2. Altered versions must be plainly marked as such and must not
   be misrepresented as being the original source.

3. This Copyright notice may not be removed or altered from any
source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
to loss of data or data being rendered inaccurate or losses sustained by
you or third parties or a failure of the program to operate with any other
programs), even if such holder or other party has been advised of the
possibility of such damages.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.662 bcpkix-jdk14 1.48
1.662.1 Available under license :
Copyright (c) 2000 - 2021 The Legion of the Bouncy Castle Inc. (https://www.bouncycastle.org)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.663 libpipeline 1.5.0 2.el8
1.663.1 Available under license :
GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.
The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.
Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source
form of a work.

A "Standard Interface" means an interface that either is an official
standard defined by a recognized standards body, or, in the case of
interfaces specified for a particular programming language, one that
is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.
All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.
You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:
a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does
not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a
covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.
In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.
15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.664 sysfsutils 2.1.0 24.el8
1.664.1 Available under license:

The GNU General Public License (GPL)
Version 2, June 1991
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must
be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when
run, you must cause it, when started running for such interactive use in
the most ordinary way, to print or display an announcement including an
appropriate copyright notice and a notice that there is no warranty (or
else, saying that you provide a warranty) and that users may
redistribute the program under these conditions, and telling the user
how to view a copy of this License. (Exception: if the Program itself is
interactive but does not normally print such an announcement, your work
based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable
sections of that work are not derived from the Program, and can be
reasonably considered independent and separate works in themselves, then
this License, and its terms, do not apply to those sections when you
distribute them as separate works. But when you distribute the same
sections as part of a whole which is a work based on the Program, the
distribution of the whole must be on the terms of this License, whose
permissions for other licensees extend to the entire whole, and thus to
each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your
rights to work written entirely by you; rather, the intent is to exercise
the right to control the distribution of derivative or collective works
based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of a
storage or distribution medium does not bring the other work under the
scope of this License.

3. You may copy and distribute the Program (or a work based on it, under
Section 2) in object code or executable form under the terms of Sections 1
and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source
code, which must be distributed under the terms of Sections 1 and 2
above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to
give any third party, for a charge no more than your cost of physically
performing source distribution, a complete machine-readable copy of the
corresponding source code, to be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to
distribute corresponding source code. (This alternative is allowed only
for noncommercial distribution and only if you received the program in
object code or executable form with such an offer, in accord with
Subsection b above.)
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not
permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of
preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

GNU Lesser Public License
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software
Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.
When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".
A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to
all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.
This option is useful when you wish to copy part of the code of the
Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of
it, under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you accompany it with the complete
Corresponding machine-readable source code, which must be distributed
under the terms of Sections 1 and 2 above on a medium customarily used for
Software interchange.

If distribution of object code is made by offering access to copy from a
designated place, then offering equivalent access to copy the source code
from the same place satisfies the requirement to distribute the source
code, even though third parties are not compelled to copy the source along
with the object code.

5. A program that contains no derivative of any portion of the Library,
but is designed to work with the Library by being compiled or linked with
it, is called a "work that uses the Library". Such a work, in isolation,
Is not a derivative work of the Library, and therefore falls outside the
Scope of this License.

However, linking a "work that uses the Library" with the Library creates
An executable that is a derivative of the Library (because it contains
Portions of the Library), rather than a "work that uses the library". The
Executable is therefore covered by this License. Section 6 states terms
For distribution of such executables.

When a "work that uses the Library" uses material from a header file that
Is part of the Library, the object code for the work may be a derivative
Work of the Library even though the source code is not. Whether this is
True is especially significant if the work can be linked without the
Library, or if the work is itself a library. The threshold for this to be
True is not precisely defined by law.

If such an object file uses only numerical parameters, data structure
Layouts and accessors, and small macros and small inline functions (ten
Lines or less in length), then the use of the object file is unrestricted,
Regardless of whether it is legally a derivative work. (Executables
Containing this object code plus portions of the Library will still fall
Under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute
The object code for the work under the terms of Section 6. Any executables
Containing that work also fall under Section 6, whether or not they are
Linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a
"work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in
either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software
14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE整個 RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

The commands and utilities under the "test" directory are licensed under the GNU General Public License (GPL) Version 2, June 1991. The full text of the GPL is located at:

sysfsutils/cmd/GPL

The sysfs library is licensed under the GNU Lesser Public License (LGPL) Version 2.1, February 1999. The full text of the LGPL is located at:

sysfsutils/lib/LGPL
1.665 om-aspects 1.2.15

1.665.1 Available under license:

Apache Axiom

Copyright 2004-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work,
excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.666 libsepol 2.9 1.el8

1.666.1 Available under license :
GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those
libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other
program which contains a notice placed by the copyright holder or
other authorized party saying it may be distributed under the terms of
this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data
prepared so as to be conveniently linked with application programs
(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work
which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is
included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for
making modifications to it. For a library, complete source code means
all the source code for all modules it contains, plus any associated
interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based
on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's
complete source code as you receive it, in any medium, provided that
you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the
Library.

You may charge a fee for the physical act of transferring a copy,
and you may at your option offer warranty protection in exchange for a
fee.

2. You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:
a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.
d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or

Open Source Used In CSPC_Collector 2.9.1 6950
distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and
"any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
1.667 cdi-servlet 9.4.11.v20180605

1.667.1 Available under license:

No license file was found, but licenses were detected in source scan.

// All rights reserved. This program and the accompanying materials
// are made available under the terms of the Eclipse Public License v1.0
// and Apache License v2.0 which accompanies this distribution.
// The Eclipse Public License is available at
// The Apache License v2.0 is available at
// You may elect to redistribute this code under either of these licenses.

Found in path(s):
* /opt/cola/permits/1136272277_1613725721.22/0/cdi-servlet-9-4-11-v20180605-sources-1-jar/org/eclipse/jetty/cdi/servlet/EmbeddedCdiHandler.java
* /opt/cola/permits/1136272277_1613725721.22/0/cdi-servlet-9-4-11-v20180605-sources-1-jar/org/eclipse/jetty/cdi/servlet/JettyWeldInitializer.java
* /opt/cola/permits/1136272277_1613725721.22/0/cdi-servlet-9-4-11-v20180605-sources-1-jar/org/eclipse/jetty/cdi/servlet/WeldDeploymentBinding.java

No license file was found, but licenses were detected in source scan.

<p>The Eclipse Foundation makes available all content in this plug-in ("Content"). The Content is dual licensed and is provided to you under the terms and conditions of the Eclipse Public License Version 1.0 ("EPL") as well as the Apache Software License Version 2.0. A copy of the EPL is available at <a href="http://www.eclipse.org/legal/epl-v10.html">http://www.eclipse.org/legal/epl-v10.html</a>. A copy of the ASL is available at <a href="http://www.apache.org/licenses/LICENSE-2.0.html">http://www.apache.org/licenses/LICENSE-2.0.html</a>. For purposes of the EPL, "Program" will mean the Content.</p>

Permission to use, copy, modify and distribute UnixCrypt granted provided that the copyright notice appears in all copies.</p>

Found in path(s):
* /opt/cola/permits/1136272277_1613725721.22/0/cdi-servlet-9-4-11-v20180605-sources-1-jar/about.html

1.668 jansson 2.11-3.el8

1.668.1 Available under license:

Copyright (c) 2009-2016 Petri Lehtinen <petri@digip.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.669 aopalliance-repackaged 2.5.0-b42

1.670 mime4j 0.7.2
1.670.1 Available under license :

Apache JAMES Mime4j (Core)
Copyright 2004-2012 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.671 commons-codec 1.8

1.671.1 Available under license :
Apache Commons Codec
Copyright 2002-2013 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java
contains test data from http://aspell.net/test/orig/batch0.tab.
Copyright (C) 2002 Kevin Atkinson (kevina@gnu.org)

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of,
"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

---

Open Source Used In CSPC_Collector 2.9.1 6961
(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]
Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.672 m4 1.4.18 7.el8
1.672.1 Available under license :
@c The GNU Free Documentation License.
center Version 1.3, 3 November 2008

c This file is intended to be included within another document,
c hence no sectioning command or @node.

display
@uref{http://fsf.org/}

everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
display

enumerate 0
i
PREAMBLE

The purpose of this License is to make a manual, textbook, or other
functional and useful document @dfn{free} in the sense of freedom: to
assure everyone the effective freedom to copy and redistribute it,
with or without modifying it, either commercially or noncommercially.
Secondarily, this License preserves for the author and publisher a way
to get credit for their work, while not being considered responsible
for modifications made by others.

This License is a kind of "copyleft", which means that derivative
works of the document must themselves be free in the same sense. It
complements the GNU General Public License, which is a copyleft
license designed for free software.
We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The `Document`, below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as `you`. You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A `Modified Version` of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A `Secondary Section` is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The `Invariant Sections` are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The `Cover Texts` are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.
A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this

Open Source Used in CSPC_Collector 2.9.1 6966
License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item

VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item

COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps,
when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

- Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

- List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

- State on the Title page the name of the publisher of the Modified Version, as the publisher.

- Preserve all the copyright notices of the Document.

- Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

- Include, immediately after the copyright notices, a license notice
giving the public permission to use the Modified Version under the
terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections
and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled "History", Preserve its Title, and add
to it an item stating at least the title, year, new authors, and
publisher of the Modified Version as given on the Title Page. If
there is no section Entitled "History" in the Document, create one
stating the title, year, authors, and publisher of the Document as
given on its Title Page, then add an item describing the Modified
Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for
public access to a Transparent copy of the Document, and likewise
the network locations given in the Document for previous versions
it was based on. These may be placed in the "History" section.
You may omit a network location for a work that was published at
least four years before the Document itself, or if the original
publisher of the version it refers to gives permission.

@item
For any section Entitled "Acknowledgements" or "Dedications", Preserve
the Title of the section, and preserve in the section all the
substance and tone of each of the contributor acknowledgements and/or
dedications given therein.

@item
Preserve all the Invariant Sections of the Document,
unaltered in their text and in their titles. Section numbers
or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled "Endorsements". Such a section
may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled "Endorsements" or
to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.
In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item
TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include
translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may
differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item

RELICENSING

"Massive Multiauthor Collaboration Site" (or "MMC Site") means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A "Massive Multiauthor Collaboration" (or "MMC") contained in the site means any set of copyrightable works thus published on the MMC site.

"CC-BY-SA" means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

"Incorporate" means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is "eligible for relicensing" if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate
ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled ``GNU Free Documentation License''.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ``with@dots{}Texts.''
: line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
The files in this directory provide example uses of GNU M4. The following copyright notice applies to each of these description files.

Copyright (C) 2006, 2010-2012 Free Software Foundation, Inc.
This file is free software; the Free Software Foundation
gives unlimited permission to copy and/or distribute it, with or without modifications, as long as this notice is preserved.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as
changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a
computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or
modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non- permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an
"aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that
material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or
hereafter acquired, that would be infringed by some manner, permitted
by this License, of making, using, or selling its contributor version,
but do not include claims that would be infringed only as a
consequence of further modification of the contributor version. For
purposes of this definition, "control" includes the right to grant
patent sublicenses in a manner consistent with the requirements of
this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free
patent license under the contributor's essential patent claims, to
make, use, sell, offer for sale, import and otherwise run, modify and
propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express
agreement or commitment, however denominated, not to enforce a patent
(such as an express permission to practice a patent or covenant not to
sue for patent infringement). To "grant" such a patent license to a
party means to make such an agreement or commitment not to enforce a
patent against the party.

If you convey a covered work, knowingly relying on a patent license,
and the Corresponding Source of the work is not available for anyone
to copy, free of charge and under the terms of this License, through a
publicly available network server or other readily accessible means,
then you must either (1) cause the Corresponding Source to be so
available, or (2) arrange to deprive yourself of the benefit of the
patent license for this particular work, or (3) arrange, in a manner
consistent with the requirements of this License, to extend the patent
license to downstream recipients. "Knowingly relying" means you have
actual knowledge that, but for the patent license, your conveying the
covered work in a country, or your recipient's use of the covered work
in a country, would infringe one or more identifiable patents in that
country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or
arrangement, you convey, or propagate by procuring conveyance of, a
covered work, and grant a patent license to some of the parties
receiving the covered work authorizing them to use, propagate, modify
or convey a specific copy of the covered work, then the patent license
you grant is automatically extended to all recipients of the covered
work and works based on it.

A patent license is "discriminatory" if it does not include within
the scope of its coverage, prohibits the exercise of, or is
conditioned on the non-exercise of one or more of the rights that are
specifically granted under this License. You may not convey a covered
work if you are a party to an arrangement with a third party that is
in the business of distributing software, under which you make payment.
to the third party based on the extent of your activity of conveying
the work, and under which the third party grants, to any of the
parties who would receive the covered work from you, a discriminatory
patent license (a) in connection with copies of the covered work
conveyed by you (or copies made from those copies), or (b) primarily
for and in connection with specific products or compilations that
contain the covered work, unless you entered into that arrangement,
or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting
any implied license or other defenses to infringement that may
otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot convey a
covered work so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you may
not convey it at all. For example, if you agree to terms that obligate you
to collect a royalty for further conveying from those to whom you convey
the Program, the only way you could satisfy both those terms and this
License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have
permission to link or combine any covered work with a work licensed
under version 3 of the GNU Affero General Public License into a single
combined work, and to convey the resulting work. The terms of this
License will continue to apply to the part which is the covered work,
but the special requirements of the GNU Affero General Public License,
section 13, concerning interaction through a network will apply to the
combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of
the GNU General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the
Program specifies that a certain numbered version of the GNU General
Public License "or any later version" applies to it, you have the
option of following the terms and conditions either of that numbered
version or of any later version published by the Free Software
If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.673 jetty-util 9.4.11.v20180605

1.673.1 Available under license:

Jetty Project
Contributor License Agreement V1.0
based on http://www.apache.org/licenses/

Thank you for your interest in the Jetty project by Mort Bay Consulting Pty. Ltd. Australia ("MortBay").

In order to clarify the intellectual property license granted with Contributions from any person or entity, MortBay must have a Contributor License Agreement ("CLA") that has been signed by each Contributor, indicating agreement to the license terms below. This license is for your protection as a Contributor as well as the protection of MortBay and its users; it does not change your rights to use your own Contributions for any other purpose.

If you have not already done so, please complete this agreement and commit it to the Jetty repository at svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/smc/jetty at legal/cla-USERNAME.txt using your authenticated codehaus ssh login. If you do not have commit privilege to the repository, please email the file to eclipse@eclipse.com. If possible, digitally sign the committed file, otherwise also send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for your records.

Full name: Jan Bartel
E-Mail: janb@eclipse.com
Mailing Address: 62 Church St Balmain NSW 2041 Australia

You accept and agree to the following terms and conditions for Your present and future Contributions submitted to MortBay. In return, MortBay shall not use Your Contributions in a way that is contrary to the software license in effect at the time of the Contribution. Except for the license granted herein to MortBay and recipients of software distributed by MortBay, You reserve all right, title, and interest in and to Your Contributions.

1. Definitions.
"You" (or "Your") shall mean the copyright owner or legal entity authorized by the copyright owner that is making this Agreement with MortBay. For legal entities, the entity making a Contribution and all other entities that control, are controlled by, or are under common control with that entity are considered to be a single Contributor. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"Contribution" shall mean any original work of authorship, including any modifications or additions to an existing work, that is intentionally submitted by You to MortBay for inclusion in, or documentation of, any of the products owned or managed by MortBay (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to MortBay or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, MortBay for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute Your Contributions and such derivative works.

3. Grant of Patent License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by You that are necessarily infringed by Your Contribution(s) alone or by combination of Your Contribution(s) with the Work to which such Contribution(s) was submitted. If any entity institutes patent litigation against You or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that your Contribution, or the Work to which you have contributed, constitutes direct or contributory patent infringement, then any...
patent licenses granted to that entity under this Agreement for that Contribution or Work shall terminate as of the date such litigation is filed.

4. You represent that you are legally entitled to grant the above license. If your employer(s) has rights to intellectual property that you create that includes your Contributions, you represent that you have received permission to make Contributions on behalf of that employer, that your employer has waived such rights for your Contributions to MortBay, or that your employer has executed a separate Corporate CLA with MortBay.

5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You represent that Your Contribution submissions include complete details of any third-party license or other restriction (including, but not limited to, related patents and trademarks) of which you are personally aware and which are associated with any part of Your Contributions.

6. You are not expected to provide support for Your Contributions, except to the extent You desire to provide support. You may provide support for free, for a fee, or not at all. Unless required by applicable law or agreed to in writing, You provide Your Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NONINFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation, You may submit it to MortBay separately from any Contribution, identifying the complete details of its source and of any license or other restriction (including, but not limited to, related patents, trademarks, and license agreements) of which you are personally aware, and conspicuously marking the work as "Submitted on behalf of a third-party: [named here]".

8. You agree to notify MortBay of any facts or circumstances of which you become aware that would make these representations inaccurate in any respect.

Date: 10 March 2006
Please sign: PGP

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.1 (GNU/Linux)

iD8DBQFDjMI6J97Uv2IW248RAmGNAJ9/krpkiYJRtJTMXVkJ3cdnVvFUt+QCFYFEh
Jetty Project
Contributor License Agreement V1.0
based on http://www.apache.org/licenses/

Thank you for your interest in the Jetty project by Mort Bay Consulting Pty. Ltd. Australia ("MortBay").
In order to clarify the intellectual property license granted with Contributions from any person or entity, MortBay must have a Contributor License Agreement ("CLA") that has been signed by each Contributor, indicating agreement to the license terms below. This license is for your protection as a Contributor as well as the protection of MortBay and its users; it does not change your rights to use your own Contributions for any other purpose.

If you have not already done so, please complete this agreement and commit it to the Jetty repository at
svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/scm/jetty
at legal/cla-USERNAME.txt using your authenticated codehaus ssh login. If you do not have commit privilege to the repository, please email the file to eclipse@eclipse.com. If possible, digitally sign the committed file, otherwise also send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for your records.

Full name: Jesse C. McConnell
E-Mail: jmcconnell@apache.org
Mailing Address: 7717 S 167th Street, Omaha, Ne. 68136

You accept and agree to the following terms and conditions for Your present and future Contributions submitted to MortBay. In return, MortBay shall not use Your Contributions in a way that is contrary to the software license in effect at the time of the Contribution. Except for the license granted herein to MortBay and recipients of software distributed by MortBay, You reserve all right, title, and interest in and to Your Contributions.

1. Definitions.

"You" (or "Your") shall mean the copyright owner or legal entity authorized by the copyright owner that is making this Agreement
with MortBay. For legal entities, the entity making a Contribution and all other entities that control, are controlled by, or are under common control with that entity are considered to be a single Contributor. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"Contribution" shall mean any original work of authorship, including any modifications or additions to an existing work, that is intentionally submitted by You to MortBay for inclusion in, or documentation of, any of the products owned or managed by MortBay (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to MortBay or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, MortBay for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute Your Contributions and such derivative works.

3. Grant of Patent License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by You that are necessarily infringed by Your Contribution(s) alone or by combination of Your Contribution(s) with the Work to which such Contribution(s) was submitted. If any entity institutes patent litigation against You or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that your Contribution, or the Work to which you have contributed, constitutes direct or contributory patent infringement, then any patent licenses granted to that entity under this Agreement for that Contribution or Work shall terminate as of the date such litigation is filed.
4. You represent that you are legally entitled to grant the above license. If your employer(s) has rights to intellectual property that you create that includes your Contributions, you represent that you have received permission to make Contributions on behalf of that employer, that your employer has waived such rights for your Contributions to MortBay, or that your employer has executed a separate Corporate CLA with MortBay.

5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You represent that Your Contribution submissions include complete details of any third-party license or other restriction (including, but not limited to, related patents and trademarks) of which you are personally aware and which are associated with any part of Your Contributions.

6. You are not expected to provide support for Your Contributions, except to the extent You desire to provide support. You may provide support for free, for a fee, or not at all. Unless required by applicable law or agreed to in writing, You provide Your Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation, You may submit it to MortBay separately from any Contribution, identifying the complete details of its source and of any license or other restriction (including, but not limited to, related patents, trademarks, and license agreements) of which you are personally aware, and conspicuously marking the work as "Submitted on behalf of a third-party: [named here]".

8. You agree to notify MortBay of any facts or circumstances of which you become aware that would make these representations inaccurate in any respect.

Date: December 19 2007
Please sign: GPG

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.6 (GNU/Linux)

iD8DBQFHacMO+jg6q+ULyBMRAky4AJ9CdNKsng8n2aFcpQAveEPXzEjIJACgrvJM
C/W/GuQfCJJykkL2jd9/Ag=
=ufUh
-----END PGP SIGNATURE-----
COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the following:

   A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

   B. Any new file that contains any part of the Original Software or previous Modification; or

   C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.
2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.
3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in Executable form must also be made
available in Source Code form and that Source Code form must be distributed only under the terms of this License.
You must include a copy of this License with every copy of the Source Code form of the Covered Software You
distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable
form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a
medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You
represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to
grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the
Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered
Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial
Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the
applicable version of this License or the recipients, rights hereunder. You may choose to offer, and to charge a fee
for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However,
you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must
make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone,
and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the
Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the
terms of a license of Your choice, which may contain terms different from this License, provided that You are in
compliance with the terms of this License and that the license for the Executable form does not attempt to limit or
alter the recipient.s rights in the Source Code form from the rights set forth in this License. If You distribute the
Covered Software in Executable form under a different license, You must make it absolutely clear that any terms
which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby
agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or
such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of
this License and distribute the Larger Work as a single product. In such a case, You must make sure the
requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License
from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN .AS IS. BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant.) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any
distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a .commercial item., as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of .commercial computer software. (as that term is defined at 48 C.F.R. ? 252.227-7014(a)(1)) and .commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction’s conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys. fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be
deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program),
you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Sun Microsystems, Inc. are subject to the following clarification and special exception to the GPL Version 2, but only where Sun has expressly included in the particular source file's header the words

"Sun designates this particular file as subject to the "Classpath" exception as provided by Sun in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1
Thank you for your interest in the Jetty project by Mort Bay Consulting Pty. Ltd. Australia ("MortBay").

In order to clarify the intellectual property license granted with Contributions from any person or entity, MortBay must have a Contributor License Agreement ("CLA") that has been signed by each Contributor, indicating agreement to the license terms below. This license is for your protection as a Contributor as well as the protection of MortBay and its users; it does not change your rights to use your own Contributions for any other purpose.

If you have not already done so, please complete this agreement and commit it to the Jetty repository at svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/scm/jetty at legal/cla-USERNAME.txt using your authenticated codehaus ssh login. If you do not have commit privilege to the repository, please email the file to eclipse@eclipse.com. If possible, digitally sign the committed file, otherwise also send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for your records.

Full name: Timothy Philip Vernum
E-Mail: tim@adjective.org
Mailing Address: 7/9-11 Cook St, Sutherland, NSW 2232, Australia

You accept and agree to the following terms and conditions for Your present and future Contributions submitted to MortBay. In return, MortBay shall not use Your Contributions in a way that is contrary to the software license in effect at the time of the Contribution. Except for the license granted herein to MortBay and recipients of software distributed by MortBay, You reserve all right, title, and interest in and to Your Contributions.

1. Definitions.

"You" (or "Your") shall mean the copyright owner or legal entity authorized by the copyright owner that is making this Agreement with MortBay. For legal entities, the entity making a Contribution and all other entities that control, are controlled by, or are under common control with that entity are considered to be a single Contributor. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"Contribution" shall mean any original work of authorship, including any modifications or additions to an existing work, that is intentionally submitted by You to MortBay for inclusion in, or documentation of, any of the products owned or managed by MortBay (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to MortBay or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, MortBay for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute Your Contributions and such derivative works.

3. Grant of Patent License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by You that are necessarily infringed by Your Contribution(s) alone or by combination of Your Contribution(s) with the Work to which such Contribution(s) was submitted. If any entity institutes patent litigation against You or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that your Contribution, or the Work to which you have contributed, constitutes direct or contributory patent infringement, then any patent licenses granted to that entity under this Agreement for that Contribution or Work shall terminate as of the date such litigation is filed.

4. You represent that you are legally entitled to grant the above license. If your employer(s) has rights to intellectual property that you create that includes your Contributions, you represent that you have received permission to make Contributions on behalf of that employer, that your employer has waived such rights for
your Contributions to MortBay, or that your employer has executed a separate Corporate CLA with MortBay.

5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You represent that Your Contribution submissions include complete details of any third-party license or other restriction (including, but not limited to, related patents and trademarks) of which you are personally aware and which are associated with any part of Your Contributions.

6. You are not expected to provide support for Your Contributions, except to the extent You desire to provide support. You may provide support for free, for a fee, or not at all. Unless required by applicable law or agreed to in writing, You provide Your Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NONINFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation, You may submit it to MortBay separately from any Contribution, identifying the complete details of its source and of any license or other restriction (including, but not limited to, related patents, trademarks, and license agreements) of which you are personally aware, and conspicuously marking the work as "Submitted on behalf of a third-party: [named here]".

8. You agree to notify MortBay of any facts or circumstances of which you become aware that would make these representations inaccurate in any respect.

Date:
Please sign:

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.1 (Darwin)

iD8DBQFEnjfA9nwdoZUd8/ERArwdAJ4lzyXEi4zSIIJwEAxnGPhzMRSwCfRsdI
RUol0BypmYpaETSqxt2oLFU=
=Tr57
-----END PGP SIGNATURE-----

Apache Log4j API
Copyright 1999-2017 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Jetty Project
Contributor License Agreement V1.0
based on http://www.apache.org/licenses/

Thank you for your interest in the Jetty project by Mort Bay Consulting Pty. Ltd. Australia ("MortBay").
In order to clarify the intellectual property license granted with Contributions from any person or entity, MortBay must have a Contributor License Agreement ("CLA") that has been signed by each Contributor, indicating agreement to the license terms below. This license is for your protection as a Contributor as well as the protection of MortBay and its users; it does not change your rights to use your own Contributions for any other purpose.

If you have not already done so, please complete this agreement and commit it to the Jetty repository at svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/scm/jetty at legal/cla-USERNAME.txt using your authenticated codehaus ssh login. If you do not have commit privilege to the repository, please email the file to eclipse@eclipse.com. If possible, digitally sign the committed file, otherwise also send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for your records.

Full name: Jeanfrancois Arcand
E-Mail: jfarcand@apache.org
Mailing Address: 1800 McGill College Avenue, Suite 800, H3A 3J6 Montreal, Quebec (Canada)

You accept and agree to the following terms and conditions for Your present and future Contributions submitted to MortBay. In return, MortBay shall not use Your Contributions in a way that is contrary to the software license in effect at the time of the Contribution. Except for the license granted herein to MortBay and recipients of software distributed by MortBay, You reserve all right, title, and interest in and to Your Contributions.

1. Definitions.

"You" (or "Your") shall mean the copyright owner or legal entity authorized by the copyright owner that is making this Agreement with MortBay. For legal entities, the entity making a Contribution and all other entities that control, are controlled
by, or are under common control with that entity are considered to be a single Contributor. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"Contribution" shall mean any original work of authorship, including any modifications or additions to an existing work, that is intentionally submitted by You to MortBay for inclusion in, or documentation of, any of the products owned or managed by MortBay (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to MortBay or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, MortBay for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute Your Contributions and such derivative works.

3. Grant of Patent License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by You that are necessarily infringed by Your Contribution(s) alone or by combination of Your Contribution(s) with the Work to which such Contribution(s) was submitted. If any entity institutes patent litigation against You or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that your Contribution, or the Work to which you have contributed, constitutes direct or contributory patent infringement, then any patent licenses granted to that entity under this Agreement for that Contribution or Work shall terminate as of the date such litigation is filed.

4. You represent that you are legally entitled to grant the above
license. If your employer(s) has rights to intellectual property that you create that includes your Contributions, you represent that you have received permission to make Contributions on behalf of that employer, that your employer has waived such rights for your Contributions to MortBay, or that your employer has executed a separate Corporate CLA with MortBay.

5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You represent that Your Contribution submissions include complete details of any third-party license or other restriction (including, but not limited to, related patents and trademarks) of which you are personally aware and which are associated with any part of Your Contributions.

6. You are not expected to provide support for Your Contributions, except to the extent You desire to provide support. You may provide support for free, for a fee, or not at all. Unless required by applicable law or agreed to in writing, You provide Your Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NONINFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation, You may submit it to MortBay separately from any Contribution, identifying the complete details of its source and of any license or other restriction (including, but not limited to, related patents, trademarks, and license agreements) of which you are personally aware, and conspicuously marking the work as "Submitted on behalf of a third-party: [named here]".

8. You agree to notify MortBay of any facts or circumstances of which you become aware that would make these representations inaccurate in any respect.

Date: /28/08/06
Please sign:

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.0.7 (GNU/Linux)
iD8DBQFE8cgag9Frj/CrIRAmuJAKCFgi4W0UOH8iUn+SV6PBHvF3BnLgCcDqqC
Zkttk0bTHfwaa5TtxQbScw=
=N/w/
-----END PGP SIGNATURE-----
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1
Jetty Project
Contributor License Agreement V1.0
based on http://www.apache.org/licenses/

Thank you for your interest in the Jetty project by Mort Bay Consulting Pty. Ltd. Australia ("MortBay").
In order to clarify the intellectual property license granted with Contributions from any person or entity, MortBay must have a Contributor License Agreement ("CLA") that has been signed by each Contributor, indicating agreement to the license terms below. This license is for your protection as a Contributor as well as the protection of MortBay and its users; it does not change your rights to use your own Contributions for any other purpose.

If you have not already done so, please complete this agreement and commit it to the Jetty repository at
svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/scm/jetty
at legal/cla-USERNAME.txt using your authenticated codehaus ssh login. If you do not have commit privilege to the repository, please email the file to eclipse@eclipse.com. If possible, digitally sign the committed file, otherwise also send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for your records.

Full name: Thomas Becker
E-Mail: thomas.becker00@googlemail.com
Mailing Address:

You accept and agree to the following terms and conditions for Your present and future Contributions submitted to MortBay. In return, MortBay shall not use Your Contributions in a way that is contrary to the software license in effect at the time of the Contribution. Except for the license granted herein to MortBay and recipients of software distributed by MortBay, You reserve all right, title, and interest in and to Your Contributions.

1. Definitions.

"You" (or "Your") shall mean the copyright owner or legal entity authorized by the copyright owner that is making this Agreement with MortBay. For legal entities, the entity making a Contribution and all other entities that control, are controlled by, or are under common control with that entity are considered to be a single Contributor. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"Contribution" shall mean any original work of authorship, including any modifications or additions to an existing work, that is intentionally submitted by You to MortBay for inclusion in, or documentation of, any of the products owned or managed by MortBay (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to MortBay or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, MortBay for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute Your Contributions and such derivative works.

3. Grant of Patent License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by You that are necessarily infringed by Your Contribution(s) alone or by combination of Your Contribution(s) with the Work to which such Contribution(s) was submitted. If any entity institutes patent litigation against You or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that your Contribution, or the Work to which you have contributed, constitutes direct or contributory patent infringement, then any patent licenses granted to that entity under this Agreement for that Contribution or Work shall terminate as of the date such litigation is filed.

4. You represent that you are legally entitled to grant the above license. If your employer(s) has rights to intellectual property that you create that includes your Contributions, you represent that you have received permission to make Contributions on behalf
of that employer, that your employer has waived such rights for your Contributions to MortBay, or that your employer has executed a separate Corporate CLA with MortBay.

5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You represent that Your Contribution submissions include complete details of any third-party license or other restriction (including, but not limited to, related patents and trademarks) of which you are personally aware and which are associated with any part of Your Contributions.

6. You are not expected to provide support for Your Contributions, except to the extent You desire to provide support. You may provide support for free, for a fee, or not at all. Unless required by applicable law or agreed to in writing, You provide Your Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NONINFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation, You may submit it to MortBay separately from any Contribution, identifying the complete details of its source and of any license or other restriction (including, but not limited to, related patents, trademarks, and license agreements) of which you are personally aware, and conspicuously marking the work as "Submitted on behalf of a third-party: [named here]".

8. You agree to notify MortBay of any facts or circumstances of which you become aware that would make these representations inaccurate in any respect.

Date: 2012-07-17
Please sign:

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.10 (GNU/Linux)
iQEcBAEBAgGBQoQvFB4tAaojEUMHiwbAigF91HcCH/2nQDPuPztWFrBifnEdF6Jl
RUkfZAPzALdtDBi7zd7ucDRL1RDodmz4VIF2+fbKeBYQquZXItleEghz+tKriK3
0M12guFKNLDeQp9h2p3Zu9jU3KOy4m84IDWq72HRnhi1nRyD6lzZFlhGZ/D/69fF
tgYGOFwEit00MAq/iRbsXHLpBOY+Jyh/Xy+QRnQTcAQ+tAgOlxd3w+JS2sGdes
YLAJQqacLeGh7EzD3F+CKuivT4c5ub64LdXSLAVj1u2OjZBfqlAJ3FA60Ti+I3kn
FNWKpzaeX+SQgMak6hsuatXis6EvksDaskwEgl6+xk+HYWy23ZQ8BKQRLKOZTw=
=gAqN
-----END PGP SIGNATURE-----
Jetty Project
Contributor License Agreement V1.0
based on http://www.apache.org/licenses/

Thank you for your interest in the Jetty project by Mort Bay Consulting Pty. Ltd. Australia ("MortBay").
In order to clarify the intellectual property license granted with Contributions from any person or entity, MortBay must have a Contributor License Agreement ("CLA") that has been signed by each Contributor, indicating agreement to the license terms below. This license is for your protection as a Contributor as well as the protection of MortBay and its users; it does not change your rights to use your own Contributions for any other purpose.

If you have not already done so, please complete this agreement and commit it to the Jetty repository at svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/scm/jetty at legal/cla-USERNAME.txt using your authenticated codehaus ssh login. If you do not have commit privilege to the repository, please email the file to eclipse@eclipse.com. If possible, digitally sign the committed file, otherwise also send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for your records.

Full name: Simone Bordet
E-Mail: simone.bordet@gmail.com
Mailing Address:

You accept and agree to the following terms and conditions for Your present and future Contributions submitted to MortBay. In return, MortBay shall not use Your Contributions in a way that is contrary to the software license in effect at the time of the Contribution. Except for the license granted herein to MortBay and recipients of software distributed by MortBay, You reserve all right, title, and interest in and to Your Contributions.

1. Definitions.

"You" (or "Your") shall mean the copyright owner or legal entity authorized by the copyright owner that is making this Agreement with MortBay. For legal entities, the entity making a Contribution and all other entities that control, are controlled by, or are under common control with that entity are considered to
be a single Contributor. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"Contribution" shall mean any original work of authorship, including any modifications or additions to an existing work, that is intentionally submitted by You to MortBay for inclusion in, or documentation of, any of the products owned or managed by MortBay (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to MortBay or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, MortBay for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute Your Contributions and such derivative works.

3. Grant of Patent License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by You that are necessarily infringed by Your Contribution(s) alone or by combination of Your Contribution(s) with the Work to which such Contribution(s) was submitted. If any entity institutes patent litigation against You or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that your Contribution, or the Work to which you have contributed, constitutes direct or contributory patent infringement, then any patent licenses granted to that entity under this Agreement for that Contribution or Work shall terminate as of the date such litigation is filed.

4. You represent that you are legally entitled to grant the above license. If your employer(s) has rights to intellectual property
that you create that includes your Contributions, you represent that you have received permission to make Contributions on behalf of that employer, that your employer has waived such rights for your Contributions to MortBay, or that your employer has executed a separate Corporate CLA with MortBay.

5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You represent that Your Contribution submissions include complete details of any third-party license or other restriction (including, but not limited to, related patents and trademarks) of which you are personally aware and which are associated with any part of Your Contributions.

6. You are not expected to provide support for Your Contributions, except to the extent You desire to provide support. You may provide support for free, for a fee, or not at all. Unless required by applicable law or agreed to in writing, You provide Your Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation, You may submit it to MortBay separately from any Contribution, identifying the complete details of its source and of any license or other restriction (including, but not limited to, related patents, trademarks, and license agreements) of which you are personally aware, and conspicuously marking the work as "Submitted on behalf of a third-party: [named here]".

8. You agree to notify MortBay of any facts or circumstances of which you become aware that would make these representations inaccurate in any respect.

Date: 8 January 2007

Please sign:

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.3 (GNU/Linux)

iD8DBQFFoniQJvHlFus9dGQRAmAjMmAJwL5y1loonhVQIICsparvjHMQuwqwCgiZFY
LBDVaad1bJ1v1EHY901kPcg=
=6rqm
-----END PGP SIGNATURE-----
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

Jetty Project
Contributor License Agreement V1.0
based on http://www.apache.org/licenses/

Thank you for your interest in the Jetty project by Mort Bay Consulting Pty. Ltd. Australia ("MortBay").
In order to clarify the intellectual property license
granted with Contributions from any person or entity, MortBay
must have a Contributor License Agreement ("CLA") that has
been signed by each Contributor, indicating agreement to the license
terms below. This license is for your protection as a Contributor as
well as the protection of MortBay and its users; it does not
change your rights to use your own Contributions for any other
purpose.

If you have not already done so, please complete this agreement
and commit it to the Jetty repository at
svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/scm/jetty
at legal/cla-USERNAME.txt using your authenticated codehaus ssh
login. If you do not have commit privilege to the repository, please
email the file to eclipse@eclipse.com. If possible, digitally sign
the committed file, otherwise also send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for
your records.

Full name: James Strachan
E-Mail: jstrachan@apache.org
Mailing Address: 1A Leigh Road, London, UK, N5 1ST

You accept and agree to the following terms and conditions for Your
present and future Contributions submitted to MortBay. In
return, MortBay shall not use Your Contributions in a way that
is contrary to the public benefit or inconsistent with its nonprofit
status and bylaws in effect at the time of the Contribution. Except
for the license granted herein to MortBay and recipients of
software distributed by MortBay, You reserve all right, title,
and interest in and to Your Contributions.

1. Definitions.

"You" (or "Your") shall mean the copyright owner or legal entity
authorized by the copyright owner that is making this Agreement
with MortBay. For legal entities, the entity making a
Contribution and all other entities that control, are controlled
by, or are under common control with that entity are considered to
be a single Contributor. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"Contribution" shall mean any original work of authorship, including any modifications or additions to an existing work, that is intentionally submitted by You to MortBay for inclusion in, or documentation of, any of the products owned or managed by MortBay (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to MortBay or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, MortBay for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute Your Contributions and such derivative works.

3. Grant of Patent License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by You that are necessarily infringed by Your Contribution(s) alone or by combination of Your Contribution(s) with the Work to which such Contribution(s) was submitted. If any entity institutes patent litigation against You or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that your Contribution, or the Work to which you have contributed, constitutes direct or contributory patent infringement, then any patent licenses granted to that entity under this Agreement for that Contribution or Work shall terminate as of the date such litigation is filed.

4. You represent that you are legally entitled to grant the above license. If your employer(s) has rights to intellectual property that you create that includes your Contributions, you represent that you have received permission to make Contributions on behalf of that employer, that your employer has waived such rights for
your Contributions to MortBay, or that your employer has executed a separate Corporate CLA with MortBay.

5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You represent that Your Contribution submissions include complete details of any third-party license or other restriction (including, but not limited to, related patents and trademarks) of which you are personally aware and which are associated with any part of Your Contributions.

6. You are not expected to provide support for Your Contributions, except to the extent You desire to provide support. You may provide support for free, for a fee, or not at all. Unless required by applicable law or agreed to in writing, You provide Your Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation, You may submit it to MortBay separately from any Contribution, identifying the complete details of its source and of any license or other restriction (including, but not limited to, related patents, trademarks, and license agreements) of which you are personally aware, and conspicuously marking the work as "Submitted on behalf of a third-party: [named here]".

8. You agree to notify MortBay of any facts or circumstances of which you become aware that would make these representations inaccurate in any respect.

Date: January 30th 2006
Please sign: GPG

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.1 (Darwin)
iD8DBQFDF37/4dL6lZr4c+6kRAstslAJ41td3lj4OM6sIMfJfT0dYdT1bxwCdGgWv
8sfMxEDZqulqhVbfZU2c76U=
=8WW7
-----END PGP SIGNATURE-----
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

Jetty Project
Contributor License Agreement V1.0
Thank you for your interest in the Jetty project by Mort Bay Consulting Pty. Ltd. Australia ("MortBay").
In order to clarify the intellectual property license granted with Contributions from any person or entity, MortBay must have a Contributor License Agreement ("CLA") that has been signed by each Contributor, indicating agreement to the license terms below. This license is for your protection as a Contributor as well as the protection of MortBay and its users; it does not change your rights to use your own Contributions for any other purpose.

If you have not already done so, please complete this agreement and commit it to the Jetty repository at svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/scm/jetty at legal/cla-USERNAME.txt using your authenticated codehaus ssh login. If you do not have commit privilege to the repository, please email the file to eclipse@eclipse.com. If possible, digitally sign the committed file, otherwise also send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for your records.

Full name: Nicanor Gonzalez
E-Mail: ngonzalez@exist.com
Mailing Address: 37 TwinHill St., New Manila Rolling Hills, Q.C., Philippines

You accept and agree to the following terms and conditions for Your present and future Contributions submitted to MortBay. In return, MortBay shall not use Your Contributions in a way that is contrary to the software license in effect at the time of the Contribution. Except for the license granted herein to MortBay and recipients of software distributed by MortBay, You reserve all right, title, and interest in and to Your Contributions.

1. Definitions.

"You" (or "Your") shall mean the copyright owner or legal entity authorized by the copyright owner that is making this Agreement with MortBay. For legal entities, the entity making a Contribution and all other entities that control, are controlled by, or are under common control with that entity are considered to be a single Contributor. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"Contribution" shall mean any original work of authorship, including any modifications or additions to an existing work, that is intentionally submitted by You to MortBay for inclusion in, or documentation of, any of the products owned or managed by MortBay (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to MortBay or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, MortBay for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute Your Contributions and such derivative works.

3. Grant of Patent License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by You that are necessarily infringed by Your Contribution(s) alone or by combination of Your Contribution(s) with the Work to which such Contribution(s) was submitted. If any entity institutes patent litigation against You or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that your Contribution, or the Work to which you have contributed, constitutes direct or contributory patent infringement, then any patent licenses granted to that entity under this Agreement for that Contribution or Work shall terminate as of the date such litigation is filed.

4. You represent that you are legally entitled to grant the above license. If your employer(s) has rights to intellectual property that you create that includes your Contributions, you represent that you have received permission to make Contributions on behalf of that employer, that your employer has waived such rights for your Contributions to MortBay, or that your employer has executed a separate Corporate CLA with MortBay.
5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You represent that Your Contribution submissions include complete details of any third-party license or other restriction (including, but not limited to, related patents and trademarks) of which you are personally aware and which are associated with any part of Your Contributions.

6. You are not expected to provide support for Your Contributions, except to the extent You desire to provide support. You may provide support for free, for a fee, or not at all. Unless required by applicable law or agreed to in writing, You provide Your Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NONINFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation, You may submit it to MortBay separately from any Contribution, identifying the complete details of its source and of any license or other restriction (including, but not limited to, related patents, trademarks, and license agreements) of which you are personally aware, and conspicuously marking the work as "Submitted on behalf of a third-party: [named here]".

8. You agree to notify MortBay of any facts or circumstances of which you become aware that would make these representations inaccurate in any respect.

Date: July 14, 2006
Please sign:

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.4 (MingW32)
iD8DBQFEtlZxHR/ESK2w6H8RApbOAJ9c1eooNt2oN59WZVi1jExGljuVgCfaKji6etDJ6aUj0rTuSli59hUsWMQ=
=HmqH
-----END PGP SIGNATURE-----
Jetty Project
Corporate Contributor License Agreement V1.1
based on http://www.apache.org/licenses/

Thank you for your interest in the Jetty project by Mort Bay Consulting Pty. Ltd. Australia ("MortBay"). In order to clarify the intellectual property license granted with Contributions from any person or entity, MortBay must have a Contributor License Agreement ("CLA") that has been
signed by each Contributor, indicating agreement to the license terms below. This license is for your protection as a Contributor as well as the protection of MortBay and its users; it does not change your rights to use your own Contributions for any other purpose.

This version of the Agreement allows an entity (the "Corporation") to submit Contributions to MortBay, to authorize Contributions submitted by its designated employees to MortBay, and to grant copyright and patent licenses thereto.

If you have not already done so, please complete this agreement and commit it to the Jetty repository at svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/scm/jetty at LICENSES/ccla-CORPORATE-NAME.txt. If you do not have commit privilege to the repository, please email the file to eclipse@eclipse.com. If possible, digitally sign the committed file, otherwise send a signed Agreement to MortBay.

Each developer covered by this agreement should have their name appended the Schedule A and the copy committed to LICENSES/ccla-CORPORATE-NAME.txt using their authenticated codehaus ssh login. If possible, digitally sign the committed file, otherwise send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for your records.

Corporation name: Simula Labs, Inc.
Mailing Address: 4676 Admiralty Way, Suite 520
Marina Del Rey, CA 90292

Point of Contact:
Full name: Gordon King
E-Mail: gordon.king@simulalabs.com
Fax: +1 800 822 0471

You accept and agree to the following terms and conditions for Your present and future Contributions submitted to MortBay. In return, MortBay shall not use Your Contributions in a way that is contrary to the software license in effect at the time of the Contribution. Except for the license granted herein to MortBay and recipients of software distributed by MortBay, You reserve all right, title, and interest in and to Your Contributions.

1. Definitions.

"You" (or "Your") shall mean the copyright owner or legal entity authorized by the copyright owner that is making this Agreement with MortBay. For legal entities, the entity making a Contribution and all
other entities that control, are controlled by, or are under common
control with that entity are considered to be a single Contributor. For
the purposes of this definition, "control" means (i) the power, direct
or indirect, to cause the direction or management of such entity,
whether by contract or otherwise, or (ii) ownership of fifty percent
(50%) or more of the outstanding shares, or (iii) beneficial ownership
of such entity.

"Contribution" shall mean any original work of authorship,
including any modifications or additions to an existing work, that
is intentionally submitted by You to MortBay for inclusion in, or
documentation of, any of the products owned or managed by MortBay (the
"Work"). For the purposes of this definition, "submitted" means any
form of electronic, verbal, or written communication sent to MortBay
or its representatives, including but not limited to communication
on electronic mailing lists, source code control systems, and issue
tracking systems that are managed by, or on behalf of, MortBay for
the purpose of discussing and improving the Work, but excluding
communication that is conspicuously marked or otherwise designated
in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions
of this Agreement, You hereby grant to MortBay and to recipients of
software distributed by MortBay a perpetual, worldwide, non-exclusive,
no-charge, royalty-free, irrevocable copyright license to reproduce,
prepare derivative works of, publicly display, publicly perform,
sublicense, and distribute Your Contributions and such derivative
works.

3. Grant of Patent License. Subject to the terms and conditions of
this Agreement, You hereby grant to MortBay and to recipients of
software distributed by MortBay a perpetual, worldwide, non-exclusive,
no-charge, royalty-free, irrevocable (except as stated in this section)
patent license to make, have made, use, offer to sell, sell, import,
and otherwise transfer the Work, where such license applies only to
those patent claims licensable by You that are necessarily infringed by
Your Contribution(s) alone or by combination of Your Contribution(s)
with the Work to which such Contribution(s) were submitted. If any
entity institutes patent litigation against You or any other entity
(including a cross-claim or counterclaim in a lawsuit) alleging
that your Contribution, or the Work to which you have contributed,
constitutes direct or contributory patent infringement, then any
patent licenses granted to that entity under this Agreement for that
Contribution or Work shall terminate as of the date such litigation
is filed.

4. You represent that You are legally entitled to grant the above
license. You represent further that each employee of the Corporation
5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You represent that Your Contribution submissions include complete details of any third-party license or other restriction (including, but not limited to, related patents and trademarks) of which you are personally aware and which are associated with any part of Your Contributions.

6. You are not expected to provide support for Your Contributions, except to the extent You desire to provide support. You may provide support for free, for a fee, or not at all. Unless required by applicable law or agreed to in writing, You provide Your Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation, You may submit it to MortBay separately from any Contribution, identifying the complete details of its source and of any license or other restriction (including, but not limited to, related patents, trademarks, and license agreements) of which you are personally aware, and conspicuously marking the work as "Submitted on behalf of a third-party: [named here]".

8. It is your responsibility to notify MortBay when any change is required to the list of designated employees authorized to submit Contributions on behalf of the Corporation, or to the Corporation's Point of Contact with MortBay.

Date:

Signature:

Name: Gordon King
Positions: Chief Operational Officer

Schedule A

Name                      Date added
Simone Bordet             12 September 2006
Jetty Project
Contributor License Agreement V1.0
based on http://www.apache.org/licenses/

Thank you for your interest in the Jetty project by Mort Bay Consulting Pty. Ltd. Australia ("MortBay").
In order to clarify the intellectual property license granted with Contributions from any person or entity, MortBay must have a Contributor License Agreement ("CLA") that has been signed by each Contributor, indicating agreement to the license terms below. This license is for your protection as a Contributor as well as the protection of MortBay and its users; it does not change your rights to use your own Contributions for any other purpose.

If you have not already done so, please complete this agreement and commit it to the Jetty repository at svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/scm/jetty at legal/cla-USERNAME.txt using your authenticated codehaus ssh login. If you do not have commit privilege to the repository, please email the file to eclipse@eclipse.com. If possible, digitally sign the committed file, otherwise also send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for your records.

Full name:
E-Mail:
Mailing Address:

You accept and agree to the following terms and conditions for Your present and future Contributions submitted to MortBay. In return, MortBay shall not use Your Contributions in a way that is contrary to the software license in effect at the time of the Contribution. Except for the license granted herein to MortBay and recipients of software distributed by MortBay, You reserve all right, title, and interest in and to Your Contributions.

1. Definitions.

"You" (or "Your") shall mean the copyright owner or legal entity authorized by the copyright owner that is making this Agreement with MortBay. For legal entities, the entity making a Contribution and all other entities that control, are controlled
by, or are under common control with that entity are considered to be a single Contributor. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"Contribution" shall mean any original work of authorship, including any modifications or additions to an existing work, that is intentionally submitted by You to MortBay for inclusion in, or documentation of, any of the products owned or managed by MortBay (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to MortBay or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, MortBay for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute Your Contributions and such derivative works.

3. Grant of Patent License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by You that are necessarily infringed by Your Contribution(s) alone or by combination of Your Contribution(s) with the Work to which such Contribution(s) was submitted. If any entity institutes patent litigation against You or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that your Contribution, or the Work to which you have contributed, constitutes direct or contributory patent infringement, then any patent licenses granted to that entity under this Agreement for that Contribution or Work shall terminate as of the date such litigation is filed.

4. You represent that you are legally entitled to grant the above
license. If your employer(s) has rights to intellectual property that you create that includes your Contributions, you represent that you have received permission to make Contributions on behalf of that employer, that your employer has waived such rights for your Contributions to MortBay, or that your employer has executed a separate Corporate CLA with MortBay.

5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You represent that Your Contribution submissions include complete details of any third-party license or other restriction (including, but not limited to, related patents and trademarks) of which you are personally aware and which are associated with any part of Your Contributions.

6. You are not expected to provide support for Your Contributions, except to the extent You desire to provide support. You may provide support for free, for a fee, or not at all. Unless required by applicable law or agreed to in writing, You provide Your Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation, You may submit it to MortBay separately from any Contribution, identifying the complete details of its source and of any license or other restriction (including, but not limited to, related patents, trademarks, and license agreements) of which you are personally aware, and conspicuously marking the work as "Submitted on behalf of a third-party: [named here]".

8. You agree to notify MortBay of any facts or circumstances of which you become aware that would make these representations inaccurate in any respect.

Date:
Please sign:
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252" />
<meta name="ProgId" content="Word.Document" />
<meta name="Generator" content="Microsoft Word 9" />
<meta name="Originator" content="Microsoft Word 9" />
</head>
<title>Eclipse Public License - Version 1.0 / Apache License - Version 2.0</title>
<!-[if gte mso 9]><xml>
<o:DocumentProperties>
<o:Revision>2</o:Revision>
<o:TotalTime>3</o:TotalTime>
<o:Created>2004-03-05T23:03:00Z</o:Created>
<o:LastSaved>2004-03-05T23:03:00Z</o:LastSaved>
<o:Pages>4</o:Pages>
<o:Words>1626</o:Words>
<o:Characters>9270</o:Characters>
<o:Lines>77</o:Lines>
<o:Paragraphs>18</o:Paragraphs>
<o:CharactersWithSpaces>11384</o:CharactersWithSpaces>
<o:Version>9.4402</o:Version>
</o:DocumentProperties>
</xml><![endif]--><![endif]-->
<w:WordDocument>
<w:TrackRevisions/>
</w:WordDocument>
</xml><![endif]-->

/* Font Definitions */
@font-face
{font-family:Tahoma;
panose-1:2 11 6 4 3 5 4 4 2 4;
ms氧-font-charset:0;
ms氧-generic-font-family:swiss;
ms氧-font-pitch:variable;
ms氧-font-signature:553679495 -2147483648 8 0 66047 0;}
/* Style Definitions */
.p.MsoNormal, li.MsoNormal, div.MsoNormal
{mso-style-parent:"";
margin:0in;
m氧-bottom:.0001pt;
ms氧-pagination:widow-orphan;
font-size:12.0pt;
font-family:"Times New Roman";
ms氧-fareast-font-family:"Times New Roman";
}

p
{mso-margin-right:0in;
ms氧-margin-top-alt:auto;
ms氧-margin-bottom-alt:auto;
m氧-left:0in;
ms氧-pagination:widow-orphan;
font-size:12.0pt;
font-family:"Times New Roman";
ms氧-fareast-font-family:"Times New Roman";}

Open Source Used In CSPC_Collector 2.9.1 7030
Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and

b) in the case of each subsequent Contributor:
   i) changes to the Program, and
   ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor...
if it was added to the Program by such Contributor itself or anyone acting on
such Contributor's behalf. Contributions do not include additions to the
Program which: (i) are separate modules of software distributed in conjunction
with the Program under their own license agreement, and (ii) are not derivative
works of the Program. </span></p>

<p><span style="font-size: 10pt;"">"Contributor" means any person or
entity that distributes the Program.</span></p>

<p><span style="font-size: 10pt;"">"Licensed Patents " mean patent
claims licensable by a Contributor which are necessarily infringed by the use
or sale of its Contribution alone or when combined with the Program. </span></p>

<p><span style="font-size: 10pt;"">"Program" means the Contributions
distributed in accordance with this Agreement.</span></p>

<p><span style="font-size: 10pt;"">"Recipient" means anyone who
receives the Program under this Agreement, including all Contributors.</span></p>

<p><b><span style="font-size: 10pt;"">2. GRANT OF RIGHTS</span></b></p>

<p class="MsoNormal" style="margin-left: 0.5in;"><span style="font-size: 10pt;">a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient
a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare
derivative works of, publicly
display, publicly perform, distribute and sublicense the Contribution of such
Contributor, if any, and such derivative works, in source code and object code
form.</span></p>

<p class="MsoNormal" style="margin-left: 0.5in;"><span style="font-size: 10pt;">b) Subject to the terms of this Agreement, each Contributor hereby grants
Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import
and otherwise transfer the Contribution of such Contributor, if any, in source
code and object code form. This patent license shall apply to the combination
of the Contribution and the Program if, at the time the Contribution is added
by the Contributor, such addition of the Contribution causes such combination
to be covered by the Licensed Patents. The patent license shall not apply to
any other combinations which include the Contribution. No hardware per se is
licensed hereunder.</span></p>

<p class="MsoNormal" style="margin-left: 0.5in;"><span style="font-size: 10pt;">c) Recipient understands that although each Contributor grants the licenses to its
Contributions set forth herein, no assurances are provided by any Contributor
that the Program does not infringe the patent or other intellectual property
rights of any other entity. Each Contributor disclaims any liability to Recipient
for claims brought by any other entity based on infringement of intellectual
property rights or otherwise. As a condition to exercising the rights and
licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program. </p>

<dt class="MsoNormal" style="margin-left: 0.5in;">d)
Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement. </dt>

</p>

<b>3. REQUIREMENTS</b>

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

<dt class="MsoNormal" style="margin-left: 0.5in;">a)
it complies with the terms and conditions of this Agreement; and</dt>

</p>

<dt class="MsoNormal" style="margin-left: 0.5in;">b)
its license agreement:

<dt class="MsoNormal" style="margin-left: 0.5in;">i)
effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;</dt>

</p>

<dt class="MsoNormal" style="margin-left: 0.5in;">ii)
effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;</dt>

</p>

<dt class="MsoNormal" style="margin-left: 0.5in;">iii)
states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and</dt>

</p>

<dt class="MsoNormal" style="margin-left: 0.5in;">iv)
states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.</dt>

</p>

When the Program is made available in source code form:

<dt class="MsoNormal" style="margin-left: 0.5in;">a)
it must be made available under this Agreement; and</dt>
b) a copy of this Agreement must be included with each copy of the Program. 

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT
WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of
this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.</p> <p>This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.</p> <p>This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.</p> <p>Apache License<br>Version 2.0, January 2004<br>http://www.apache.org/licenses/<br></p> <p>TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION</p> <p>1. Definitions.</p> <p>"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.</p> <p>"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.</p> <p>"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.</p>
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License.

Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
Copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.


Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution.

You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty.

Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability.

In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability.

While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.
END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

Jetty Project
Contributor License Agreement V1.0
based on http://www.apache.org/licenses/
Thank you for your interest in the Jetty project by Mort Bay Consulting Pty. Ltd. Australia ("MortBay").

In order to clarify the intellectual property license granted with Contributions from any person or entity, MortBay must have a Contributor License Agreement ("CLA") that has been signed by each Contributor, indicating agreement to the license terms below. This license is for your protection as a Contributor as well as the protection of MortBay and its users; it does not change your rights to use your own Contributions for any other purpose.

If you have not already done so, please complete this agreement and commit it to the Jetty repository at svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/scm/jetty at legal/cla-USERNAME.txt using your authenticated codehaus ssh login. If you do not have commit privilege to the repository, please email the file to eclipse@eclipse.com. If possible, digitally sign the committed file, otherwise also send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for your records.

Full name: David Jencks
E-Mail:   david_jencks@yahoo.com
Mailing Address: 2215 SE 39th Ave, Portland OR 97214 USA

You accept and agree to the following terms and conditions for Your present and future Contributions submitted to MortBay. In return, MortBay shall not use Your Contributions in a way that is contrary to the software license in effect at the time of the Contribution. Except for the license granted herein to MortBay and recipients of software distributed by MortBay, You reserve all right, title, and interest in and to Your Contributions.

1. Definitions.

"You" (or "Your") shall mean the copyright owner or legal entity authorized by the copyright owner that is making this Agreement with MortBay. For legal entities, the entity making a Contribution and all other entities that control, are controlled by, or are under common control with that entity are considered to be a single Contributor. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"Contribution" shall mean any original work of authorship, including any modifications or additions to an existing work, that is intentionally submitted by You to MortBay for inclusion in, or documentation of, any of the products owned or managed by MortBay (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to MortBay or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, MortBay for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute Your Contributions and such derivative works.

3. Grant of Patent License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by You that are necessarily infringed by Your Contribution(s) alone or by combination of Your Contribution(s) with the Work to which such Contribution(s) was submitted. If any entity institutes patent litigation against You or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that your Contribution, or the Work to which you have contributed, constitutes direct or contributory patent infringement, then any patent licenses granted to that entity under this Agreement for that Contribution or Work shall terminate as of the date such litigation is filed.

4. You represent that you are legally entitled to grant the above license. If your employer(s) has rights to intellectual property that you create that includes your Contributions, you represent that you have received permission to make Contributions on behalf of that employer, that your employer has waived such rights for your Contributions to MortBay, or that your employer has executed a separate Corporate CLA with MortBay.
5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You represent that Your Contribution submissions include complete details of any third-party license or other restriction (including, but not limited to, related patents and trademarks) of which you are personally aware and which are associated with any part of Your Contributions.

6. You are not expected to provide support for Your Contributions, except to the extent You desire to provide support. You may provide support for free, for a fee, or not at all. Unless required by applicable law or agreed to in writing, You provide Your Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation, You may submit it to MortBay separately from any Contribution, identifying the complete details of its source and of any license or other restriction (including, but not limited to, related patents, trademarks, and license agreements) of which you are personally aware, and conspicuously marking the work as "Submitted on behalf of a third-party: [named here]".

8. You agree to notify MortBay of any facts or circumstances of which you become aware that would make these representations inaccurate in any respect.

Date: 27 June 2008

Please sign: David Jencks

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.7 (Darwin)
iD8DBQFIZT2ToF6+5lbz4BsRAx3wAJ9puXC26Nr8nhFvTZ9oNwxDFV/DVACgnC8OVFUWPZrfLOJesKa0/rYNJIM=
=jC7I
-----END PGP SIGNATURE-----
-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

Jetty Project
Contributor License Agreement V1.0
based on http://www.apache.org/licenses/

Thank you for your interest in the Jetty project by Mort Bay Consulting Pty. Ltd. Australia ("MortBay").
In order to clarify the intellectual property license granted with Contributions from any person or entity, MortBay must have a Contributor License Agreement ("CLA") that has been signed by each Contributor, indicating agreement to the license terms below. This license is for your protection as a Contributor as well as the protection of MortBay and its users; it does not change your rights to use your own Contributions for any other purpose.

If you have not already done so, please complete this agreement and commit it to the Jetty repository at svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/scm/jetty at legal/cla-USERNAME.txt using your authenticated codehaus ssh login. If you do not have commit privilege to the repository, please email the file to eclipse@eclipse.com. If possible, digitally sign the committed file, otherwise also send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for your records.

Full name: Julian Anthony Fox Gosnell
E-Mail: jules@coredevelopers.net
Mailing Address: 2, Tannery Cottages, Tannery Lane, Bramley, Surrey, GU5 0AB, UK.

You accept and agree to the following terms and conditions for Your present and future Contributions submitted to MortBay. In return, MortBay shall not use Your Contributions in a way that is contrary to the software license in effect at the time of the Contribution. Except for the license granted herein to MortBay and recipients of software distributed by MortBay, You reserve all right, title, and interest in and to Your Contributions.

1. Definitions.

"You" (or "Your") shall mean the copyright owner or legal entity authorized by the copyright owner that is making this Agreement with MortBay. For legal entities, the entity making a Contribution and all other entities that control, are controlled by, or are under common control with that entity are considered to be a single Contributor. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"Contribution" shall mean any original work of authorship, including any modifications or additions to an existing work, that is intentionally submitted by You to MortBay for inclusion
in, or documentation of, any of the products owned or managed by MortBay (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to MortBay or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, MortBay for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute Your Contributions and such derivative works.

3. Grant of Patent License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by You that are necessarily infringed by Your Contribution(s) alone or by combination of Your Contribution(s) with the Work to which such Contribution(s) was submitted. If any entity institutes patent litigation against You or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that your Contribution, or the Work to which you have contributed, constitutes direct or contributory patent infringement, then any patent licenses granted to that entity under this Agreement for that Contribution or Work shall terminate as of the date such litigation is filed.

4. You represent that you are legally entitled to grant the above license. If your employer(s) has rights to intellectual property that you create that includes your Contributions, you represent that you have received permission to make Contributions on behalf of that employer, that your employer has waived such rights for your Contributions to MortBay, or that your employer has executed a separate Corporate CLA with MortBay.

5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You represent that Your Contribution submissions include complete
details of any third-party license or other restriction (including, but not limited to, related patents and trademarks) of which you are personally aware and which are associated with any part of Your Contributions.

6. You are not expected to provide support for Your Contributions, except to the extent You desire to provide support. You may provide support for free, for a fee, or not at all. Unless required by applicable law or agreed to in writing, You provide Your Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NONINFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation, You may submit it to MortBay separately from any Contribution, identifying the complete details of its source and of any license or other restriction (including, but not limited to, related patents, trademarks, and license agreements) of which you are personally aware, and conspicuously marking the work as "Submitted on behalf of a third-party: [named here]".

8. You agree to notify MortBay of any facts or circumstances of which you become aware that would make these representations inaccurate in any respect.

Date: 10th March 2006
Please sign:

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.2.1 (GNU/Linux)

iD8DBQFEEbh9SoT4b97cQk4RAeAMakanXuNGY1La6n/Or36GeCcLeQxSMPAOEhE
I/stizRWWZZkeI.bcgIzdQCE=
=piHm
-----END PGP SIGNATURE-----

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.
1.4. Executable means the Covered Software in any form other than Source Code.

1.5. Initial Developer means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License means this document.

1.8. Licensable means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You (or Your) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, You includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, control means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.
Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:
(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and
(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).
(c) The licenses granted in Sections 2.1 (a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.
(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.
Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:
(a) under intellectual property rights (other than patent or trademark) licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and
(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).
(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.
(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with another software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the
applicable version of this License or the recipients rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipients rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN AS IS BASIS, WITHOUT
WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item, as that term is defined in 48C.F.R.2.101 (Oct. 1995), consisting of
commercial computer software (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and commercial computer software documentation as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdictions conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)
The GlassFish code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.
Jetty Project
Corporate Contributor License Agreement V1.1
based on http://www.apache.org/licenses/

Thank you for your interest in the Jetty project by Mort Bay Consulting Pty. Ltd. Australia ("MortBay"). In order to clarify the intellectual property license granted with Contributions from any person or entity, MortBay must have a Contributor License Agreement ("CLA") that has been signed by each Contributor, indicating agreement to the license terms below. This license is for your protection as a Contributor as well as the protection of MortBay and its users; it does not change your rights to use your own Contributions for any other purpose.
This version of the Agreement allows an entity (the "Corporation") to submit Contributions to Mort Bay, to authorize Contributions submitted by its designated employees to Mort Bay, and to grant copyright and patent licenses thereto.

If you have not already done so, please complete this agreement and commit it to the Jetty repository at svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/scm/jetty at LICENSES/ccla-CORPORATE-NAME.txt. If you do not have commit privilege to the repository, please email the file to eclipse@eclipse.com. If possible, digitally sign the committed file, otherwise send a signed Agreement to MortBay.

Each developer covered by this agreement should have their name appended the Schedule A and the copy committed to LICENSES/ccla-CORPORATE-NAME.txt using their authenticated codehaus ssh login. If possible, digitally sign the committed file, otherwise send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for your records.

Corporation name:  
Mailing Address:  

Point of Contact:  
Full name:  
E-Mail:  
Fax:  

You accept and agree to the following terms and conditions for Your present and future Contributions submitted to MortBay. In return, MortBay shall not use Your Contributions in a way that is contrary to the software license in effect at the time of the Contribution. Except for the license granted herein to MortBay and recipients of software distributed by MortBay, You reserve all right, title, and interest in and to Your Contributions.

1. Definitions.

"You" (or "Your") shall mean the copyright owner or legal entity authorized by the copyright owner that is making this Agreement with MortBay. For legal entities, the entity making a Contribution and all other entities that control, are controlled by, or are under common control with that entity are considered to be a single Contributor. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership
of such entity.

"Contribution" shall mean any original work of authorship, including any modifications or additions to an existing work, that is intentionally submitted by You to MortBay for inclusion in, or documentation of, any of the products owned or managed by MortBay (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to MortBay or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, MortBay for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute Your Contributions and such derivative works.

3. Grant of Patent License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by You that are necessarily infringed by Your Contribution(s) alone or by combination of Your Contribution(s) with the Work to which such Contribution(s) were submitted. If any entity institutes patent litigation against You or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that your Contribution, or the Work to which you have contributed, constitutes direct or contributory patent infringement, then any patent licenses granted to that entity under this Agreement for that Contribution or Work shall terminate as of the date such litigation is filed.

4. You represent that You are legally entitled to grant the above license. You represent further that each employee of the Corporation designated on Schedule A below (or in a subsequent written modification to that Schedule) is authorized to submit Contributions on behalf of the Corporation.

5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You represent
that Your Contribution submissions include complete details of any third-party license or other restriction (including, but not limited to, related patents and trademarks) of which you are personally aware and which are associated with any part of Your Contributions.

6. You are not expected to provide support for Your Contributions, except to the extent You desire to provide support. You may provide support for free, for a fee, or not at all. Unless required by applicable law or agreed to in writing, You provide Your Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation, You may submit it to MortBay separately from any Contribution, identifying the complete details of its source and of any license or other restriction (including, but not limited to, related patents, trademarks, and license agreements) of which you are personally aware, and conspicuously marking the work as "Submitted on behalf of a third-party: [named here]".

8. It is your responsibility to notify MortBay when any change is required to the list of designated employees authorized to submit Contributions on behalf of the Corporation, or to the Corporation's Point of Contact with MortBay.

Date:

Signature:

Name:

Positions:

Schedule A

<table>
<thead>
<tr>
<th>Name</th>
<th>Date added</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Jetty Web Container
Copyright 1995-2018 Mort Bay Consulting Pty Ltd.

The Jetty Web Container is Copyright Mort Bay Consulting Pty Ltd unless otherwise noted.

Jetty is dual licensed under both

* The Apache 2.0 License
  http://www.apache.org/licenses/LICENSE-2.0.html

  and

* The Eclipse Public 1.0 License

Jetty may be distributed under either license.

-----
Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message
The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

------

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

------

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

------

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

MortBay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

Jetty Project
Contributor License Agreement V1.0
based on http://www.apache.org/licenses/

Thank you for your interest in the Jetty project by Mort Bay
Consulting Pty. Ltd. Australia ("MortBay").
In order to clarify the intellectual property license
granted with Contributions from any person or entity, MortBay
must have a Contributor License Agreement ("CLA") that has
been signed by each Contributor, indicating agreement to the license
terms below. This license is for your protection as a Contributor as
well as the protection of MortBay and its users; it does not
change your rights to use your own Contributions for any other
purpose.

If you have not already done so, please complete this agreement
and commit it to the Jetty repository at
svn+ssh://svn.jetty.codehaus.org/home/projects/jetty/scm/jetty
at legal/cla-USERNAME.txt using your authenticated codehaus ssh
login. If you do not have commit privilege to the repository, please
email the file to eclipse@eclipse.com. If possible, digitally sign
the committed file, otherwise also send a signed Agreement to MortBay.

Please read this document carefully before signing and keep a copy for
your records.

Full name: Gregory John Wilkins
E-Mail: gregw@eclipse.com
Mailing Address: 62 Church St. Balmain, NSW 2041, Australia

You accept and agree to the following terms and conditions for Your
present and future Contributions submitted to MortBay. In return,
MortBay shall not use Your Contributions in a way that is contrary
to the software license in effect at the time of the Contribution.
Except for the license granted herein to MortBay and recipients of
software distributed by MortBay, You reserve all right, title, and
interest in and to Your Contributions.

1. Definitions.

"You" (or "Your") shall mean the copyright owner or legal entity
authorized by the copyright owner that is making this Agreement
with MortBay. For legal entities, the entity making a
Contribution and all other entities that control, are controlled
by, or are under common control with that entity are considered to
be a single Contributor. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"Contribution" shall mean any original work of authorship,
including any modifications or additions to an existing work, that
is intentionally submitted by You to MortBay for inclusion in, or documentation of, any of the products owned or managed by MortBay (the "Work"). For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to MortBay or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, MortBay for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by You as "Not a Contribution."

2. Grant of Copyright License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute Your Contributions and such derivative works.

3. Grant of Patent License. Subject to the terms and conditions of this Agreement, You hereby grant to MortBay and to recipients of software distributed by MortBay a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by You that are necessarily infringed by Your Contribution(s) alone or by combination of Your Contribution(s) with the Work to which such Contribution(s) was submitted. If any entity institutes patent litigation against You or any other entity (including a cross-claim or counterclaim in a lawsuit) alleging that your Contribution, or the Work to which you have contributed, constitutes direct or contributory patent infringement, then any patent licenses granted to that entity under this Agreement for that Contribution or Work shall terminate as of the date such litigation is filed.

4. You represent that you are legally entitled to grant the above license. If your employer(s) has rights to intellectual property that you create that includes your Contributions, you represent that you have received permission to make Contributions on behalf of that employer, that your employer has waived such rights for your Contributions to MortBay, or that your employer has executed a separate Corporate CLA with MortBay.

5. You represent that each of Your Contributions is Your original creation (see section 7 for submissions on behalf of others). You
represent that Your Contribution submissions include complete
details of any third-party license or other restriction (including,
but not limited to, related patents and trademarks) of which you
are personally aware and which are associated with any part of Your
Contributions.

6. You are not expected to provide support for Your Contributions,
except to the extent You desire to provide support. You may provide
support for free, for a fee, or not at all. Unless required by
applicable law or agreed to in writing, You provide Your
Contributions on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS
OF ANY KIND, either express or implied, including, without
limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE.

7. Should You wish to submit work that is not Your original creation,
You may submit it to MortBay separately from any
Contribution, identifying the complete details of its source and of
any license or other restriction (including, but not limited to,
related patents, trademarks, and license agreements) of which you
are personally aware, and conspicuously marking the work as
"Submitted on behalf of a third-party: [named here]".

8. You agree to notify MortBay of any facts or circumstances of
which you become aware that would make these representations
inaccurate in any respect.

Date:
Please sign:

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.1 (GNU/Linux)
iD8DBQFEEaSXR9WPTAwnLARAgkNAJ4jBB6wCEqcFljGge7yrAMSrFv/gCgoMC+
5hdry6ZjXRcUhQEyNz2F/T4=
=I4Co
-----END PGP SIGNATURE-----

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.674 Isscsi 0.30 1.el8

1.674.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gatis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

This package was debianized by Matt Taggart <taggart@debian.org> on Wed, 2 Feb 2005 00:27:11 -0800.

It was downloaded from http://sg.danny.cz/scsi/lsscsi.html

Copyright: Copyright (C) 2003-2008 D. Gilbert

Upstream Author: Doug Gilbert <dgilbert@interlog.com>

License:

This package is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 dated June, 1991.

This package is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this package; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

On Debian systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL'.

1.675 mail 1.5.6

1.675.1 Available under license:
COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a
Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:
(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a...
medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients’ rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient’s rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.


You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under
any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN “AS IS” BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant,) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF
SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a .commercial item., as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of .commercial computer software. (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and .commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction.s conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys. fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the
Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT
NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Sun Microsystems, Inc. are subject to the following clarification and special exception to the GPL Version 2, but only where Sun has expressly included in the particular source file's header the words

"Sun designates this particular file as subject to the "Classpath" exception as provided by Sun in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

1.676 tomcat-jni 8.5.3
1.676.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work,
excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
Apache Tomcat
Copyright 1999-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

1.677 python-rpm-macros 3-37.el8
1.677.1 Available under license:
No license file was found, but licenses were detected in source scan.

License: MIT

Found in path(s):
* /opt/cola/permits/1127035984_1611747537.14/0/python-rpm-macros-3-37.el8-1.src.rpm-cosi-expand-archive-ZOHwmgHh/python-rpm-macros.spec

1.678 stax-api 1.0 2
1.678.1 Available under license:

```html
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html>
<body>
<h3>THIS SOFTWARE IS AVAILABLE UNDER A DUAL LICENSE MODEL: CDDL 1.0 and GPL v2</h3>
<h3>COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0</h3>
<ul>
<li><p><b>1. Definitions.</b></p>
<ul>
<li><p>Contributor means each individual or entity that creates or contributes to the creation of Modifications.</p>
</li>
</ul>
</li>
</ul>
</body>
</html>
```
1.2. "Contributor Version" means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. "Covered Software" means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. "Executable" means the Covered Software in any form other than Source Code.

1.5. "Initial Developer" means the individual or entity that first makes Original Software available under this License.

1.6. "Larger Work" means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. "License" means this document.
1.8. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. "Original Software" means the Source Code and Executable form of computer software code that is originally released under this License.
1.11. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. "Source Code" means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant. Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:
<p><b>(a)</b> under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and</p>
</li>
<li><p><b>(b)</b> under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).</p></li>
<li><p><b>(c)</b> The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.</p></li>
<li><p><b>(d)</b> Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.</p></li>

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:
<li>(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and</li>

<li>(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).</li>

<li>(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.</li>

<li>(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.</li>
3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.


You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.
4. Versions of the License.

4.1. New Versions.

Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You:
(a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.
5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, Merchantable, Fit For A Particular Purpose OR NON-INFRINGEMENT. The entire risk as to the quality and performance of the covered software is with you. Should any covered software prove defective in any respect, you (not the initial developer or any other contributor) assume the cost of any necessary servicing, repair or correction. This disclaimer of warranty constitutes an essential part of this license. No use of any covered software is authorized hereunder except under this disclaimer.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If you assert a patent infringement claim (excluding declaratory judgment actions) against initial developer or a contributor (the initial developer or contributor against whom you assert such claim is referred to as "Participant") alleging that the participant software (meaning the contributor version where the participant is a contributor or the original Software where the participant is the initial developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to you by such participant, the initial developer (if the initial developer is not the participant) and all contributors under
Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item; as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software; (as
that term is defined at 48 C.F.R. &sect;252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. &sect;12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.
</p>
</li>

<li>
<p><b>9. MISCELLANEOUS.</b></p>
<p>This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.
</p>
</li>

<li>
<p><b>10. RESPONSIBILITY FOR CLAIMS.</b></p>
<p>As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly
or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

Notice Pursuant to Section 9 of the Common Development and Distribution License (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
a) You must cause the modified files to carry prominent notices stating
that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole
or in part contains or is derived from the Program or any part thereof,
to be licensed as a whole at no charge to all third parties under the terms
of this License.

c) If the modified program normally reads commands interactively when run,
you must cause it, when started running for such interactive use in the
most ordinary way, to print or display an announcement including an
appropriate copyright notice and a notice that there is no warranty (or
else, saying that you provide a warranty) and that users may redistribute
the program under these conditions, and telling the user how to view a
copy of this License. (Exception: if the Program itself is interactive
but does not normally print such an announcement, your work based on the
Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable
sections of that work are not derived from the Program, and can be reasonably
considered independent and separate works in themselves, then this License,
and its terms, do not apply to those sections when you distribute them as
separate works. But when you distribute the same sections as part of a whole
which is a work based on the Program, the distribution of the whole must
be on the terms of this License, whose permissions for other licensees
extend to the entire whole, and thus to each and every part regardless
of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or collective
works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.
</p>
</li>

<li>
<p>
<b>3.</b> You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
</p>
</li>

<ul>
<li>
<p>
a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
</p>
</li>

<li>
<p>
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
</p>
</li>

<li>
<p>
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
</p>
</li>
</ul>

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system
on which the executable runs, unless that component itself accompanies the executable.
</p>
<p>If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
</p>

<li>

<p><b>4.</b> You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
</p>
</li>

<li>

<p><b>5.</b> You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
</p>
</li>

<li>

<p><b>6.</b> Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
</p>
</li>
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program

Open Source Used In CSPC_Collector 2.9.1 7110
'Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Sun Microsystems, Inc. are subject to the following clarification and special exception to the GPL Version 2, but only where Sun has expressly included in the particular source file's header the words:

"Sun designates this particular file as subject to the "Classpath" exception as provided by Sun in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.
1.679 timedatex 0.5 3.el8

1.679.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
to loss of data or data being rendered inaccurate or losses sustained by
you or third parties or a failure of the program to operate with any other
programs), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.680  libdrm 2.4.98-2.el8

1.680.1 Available under license :

/*
 * Copyright (c) 2015 Emil Velikov <emil.l.velikov@gmail.com>
 *
 * Permission is hereby granted, free of charge, to any person obtaining a
 * copy of this software and associated documentation files (the "Software"),
 * to deal in the Software without restriction, including without limitation
 * the rights to use, copy, modify, merge, publish, distribute, sublicense,
 * and/or sell copies of the Software, and to permit persons to whom the
 * Software is furnished to do so, subject to the following conditions:
 *
 * The above copyright notice and this permission notice shall be included in
 * all copies or substantial portions of the Software.
 *
 * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
 * IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
 * FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
 * AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
 * LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING
 * FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS
 * IN THE SOFTWARE.
 *
 */

1.681  visual-studio-runtime 9.0.3-15.el8

1.681.1 Available under license :

Copyright (c) 2008-2016 The pip developers (see AUTHORS.txt file)

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.682 python-pyudev 0.21.0 7.el8

1.682.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs
(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries
If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
1.683.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original
version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   1. You must give any other recipients of the Work or Derivative Works a copy of this License; and

   2. You must cause any modified files to carry prominent notices stating that You changed the files; and
3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this
License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
/* ------------------------------------------------------------------
* Copyright (C) 2009 PacketVideo
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
*      http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied.
* See the License for the specific language governing permissions
* and limitations under the License.
* -------------------------------------------------------------------
*/

Portions of the PacketVideo supplied code contain contributions which may be
covered by the following copyright statements:

/* --------------------------------------------- *
* MPEG-4 Simple Profile Video Decoder
* --------------------------------------------- *

* This software module was originally developed and/or edited by
*
* Paulo Nunes (IST / ACTS-MoMuSyS)
* Robert Danielsen (Telenor / ACTS-MoMuSyS)
* Luis Ducla-Soares (IST / ACTS-MoMuSys).
* Cor Quist (KPN / ACTS-MoMuSys).
* Minhua Zhou (HHI / ACTS-MoMuSys).
*
* in the course of development of the MPEG-4 Video (ISO/IEC 14496-2) standard.
* This software module is an implementation of a part of one or more MPEG-4
* Video (ISO/IEC 14496-2) tools as specified by the MPEG-4 Video (ISO/IEC
* 14496-2) standard.
*
* ISO/IEC gives users of the MPEG-4 Video (ISO/IEC 14496-2) standard free
* license to this software module or modifications thereof for use in hardware
* or software products claiming conformance to the MPEG-4 Video (ISO/IEC
* 14496-2) standard.
*
* Those intending to use this software module in hardware or software products
* are advised that its use may infringe existing patents. The original
* developer of this software module and his/her company, the subsequent
* editors and their companies, and ISO/IEC have no liability for use of this
* software module or modifications thereof in an implementation. Copyright is
* not released for non MPEG-4 Video (ISO/IEC 14496-2) Standard conforming
* products.
*
* ACTS-MoMuSys partners retain full right to use the code for his/her own
* purpose, assign or donate the code to a third party and to inhibit third
* parties from using the code for non MPEG-4 Video (ISO/IEC 14496-2) Standard
* conforming products. This copyright notice must be included in all copies or
* derivative works.
*
* Copyright (c) 1996, 1997
* 
* *****************************************************************************************
This software module was originally developed by

Mikko Suonio (Nokia)

in the course of development of the MPEG-2 NBC/MPEG-4 Audio standard
ISO/IEC 13818-7, 14496-1, 2 and 3. This software module is an
implementation of a part of one or more MPEG-2 NBC/MPEG-4 Audio tools
as specified by the MPEG-2 NBC/MPEG-4 Audio standard. ISO/IEC gives
users of the MPEG-2 NBC/MPEG-4 Audio standards free license to this
software module or modifications thereof for use in hardware or
software products claiming conformance to the MPEG-2 NBC/ MPEG-4 Audio
standards. Those intending to use this software module in hardware or
software products are advised that this use may infringe existing
patents. The original developer of this software module and his/her
company, the subsequent editors and their companies, and ISO/IEC have
no liability for use of this software module or modifications thereof
in an implementation. Copyright is not released for non MPEG-2
NBC/MPEG-4 Audio conforming products. The original developer retains
full right to use the code for his/her own purpose, assign or donate
the code to a third party and to inhibit third party from using the
code for non MPEG-2 NBC/MPEG-4 Audio conforming products. This
copyright notice must be included in all copies or derivative works.

Copyright (c) 1997.

**************************************************************************
This software module was originally developed by
Nokia in the course of development of the MPEG-2 AAC/MPEG-4
Audio standard ISO/IEC13818-7, 14496-1, 2 and 3.
This software module is an implementation of a part
of one or more MPEG-2 AAC/MPEG-4 Audio tools as specified by the
MPEG-2 aac/MPEG-4 Audio standard. ISO/IEC gives users of the
MPEG-2aac/MPEG-4 Audio standards free license to this software module
or modifications thereof for use in hardware or software products
claiming conformance to the MPEG-2 aac/MPEG-4 Audio standards. Those
intending to use this software module in hardware or software products
are advised that this use may infringe existing patents. The original
developer of this software module, the subsequent
editors and their companies, and ISO/IEC have no liability for use of
this software module or modifications thereof in an
implementation. Copyright is not released for non MPEG-2 aac/MPEG-4 Audio conforming products. The original developer retains full right to use the code for the developer's own purpose, assign or donate the code to a third party and to inhibit third party from using the code for non MPEG-2 aac/MPEG-4 Audio conforming products. This copyright notice must be included in all copies or derivative works.
Copyright (c)1997.

***************************************************************************/

--------------------------------------------------------------------------

MPEG-2 NBC Audio Decoder
"This software module was originally developed by AT&T, Dolby Laboratories, Fraunhofer Gesellschaft IIS in the course of development of the MPEG-2 NBC/MPEG-4 Audio standard ISO/IEC 13818-7, 14496-1,2 and 3. This software module is an implementation of a part of one or more MPEG-2 NBC/MPEG-4 Audio tools as specified by the MPEG-2 NBC/MPEG-4 Audio standard. ISO/IEC gives users of the MPEG-2 NBC/MPEG-4 Audio standards free license to this software module or modifications thereof for use in hardware or software products claiming conformance to the MPEG-2 NBC/MPEG-4 Audio standards. Those intending to use this software module in hardware or software products are advised that this use may infringe existing patents. The original developer of this software module and his/her company, the subsequent editors and their companies, and ISO/IEC have no liability for use of this software module or modifications thereof in an implementation. Copyright is not released for non MPEG-2 NBC/MPEG-4 Audio conforming products. The original developer retains full right to use the code for his/her own purpose, assign or donate the code to a third party and to inhibit third party from using the code for non MPEG-2 NBC/MPEG-4 Audio conforming products. This copyright notice must be included in all copies or derivative works."
Copyright(c)1996.

--------------------------------------------------------------------------

/*
 * snprintf.c - a portable implementation of snprintf
 *
 * AUTHOR
 * Mark Martinec <mark.martinec@ijs.si>, April 1999.
 *
 * Copyright 1999, Mark Martinec. All rights reserved.
 *
 * TERMS AND CONDITIONS
*/
This program is free software; you can redistribute it and/or modify
it under the terms of the "Frontier Artistic License" which comes
with this Kit.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty
of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
See the Frontier Artistic License for more details.

The "Frontier Artistic License" may be found at
http://www.spinwardstars.com/frontier/fal.html

Copyright (c) 2005 The Khronos Group Inc.

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject
to the following conditions:
The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Microsoft Windows Media
Copyright (C) Microsoft Corporation. All rights reserved.
Portions of this file are derived from the following 3GPP standard:

3GPP TS 26.073
ANSI-C code for the Adaptive Multi-Rate (AMR) speech codec
Available from http://www.3gpp.org

(C) 2004, 3GPP Organizational Partners (ARIB, ATIS, CCSA, ETSI, TTA, TTC)
Permission to distribute, modify and use this file under the standard license
terms listed above has been obtained from the copyright holder.

----------------------------------

Portions of this file are derived from the following 3GPP standard:

3GPP TS 26.173
ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-WB) speech codec
Available from http://www.3gpp.org

(C) 2007, 3GPP Organizational Partners (ARIB, ATIS, CCSA, ETSI, TTA, TTC)
Permission to distribute, modify and use this file under the standard license
terms listed above has been obtained from the copyright holder.

----------------------------------

1.684 http2-hpack 9.4.11.v20180605

1.685 libgpg-error 1.31

1.685.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide...
a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.

You should have received a copy of the GNU General Public License  
along with this program; if not, write to the Free Software  
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE  
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.  
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating
Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.
1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.686 python-idna 2.5-2.ph2

1.686.1 Available under license :
No license file was found, but licenses were detected in source scan.

```python
import io, sys
from setuptools import setup

version = "2.5"

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,6):
        raise SystemExit("Sorry, Python 2.6 or newer required")

    arguments = {
'name': 'idna',
'packages': ['idna'],
'version': version,
'description': 'Internationalized Domain Names in Applications (IDNA)',
'long_description': io.open("README.rst", encoding="UTF-8").read(),
'author': 'Kim Davies',
'author_email': 'kim@cynosure.com.au',
'license': 'BSD-like',
'url': 'https://github.com/kjd/idna',
'classifiers': [
  'Development Status :: 5 - Production/Stable',
  'Intended Audience :: Developers',
  'Intended Audience :: System Administrators',
  'License :: OSI Approved :: BSD License',
  'Operating System :: OS Independent',
  'Programming Language :: Python',
  'Programming Language :: Python :: 2.6',
  'Programming Language :: Python :: 2.7',
  'Programming Language :: Python :: 3',
  'Programming Language :: Python :: 3.3',
  'Programming Language :: Python :: 3.4',
  'Programming Language :: Python :: 3.5',
  'Programming Language :: Python :: 3.6',
  'Topic :: Internet :: Name Service (DNS)',
  'Topic :: Software Development :: Libraries :: Python Modules',
  'Topic :: Utilities',
],
'test_suite': 'tests',
]

setup(**arguments)

if __name__ == '__main__':
    main()

Found in path(s):

No license file was found, but licenses were detected in source scan.

License
-------

Copyright (c) 2013-2017, Kim Davies. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the copyright holder nor the names of the contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Portions of the codec implementation and unit tests are derived from the Python standard library, which carries the `Python Software Foundation License <https://docs.python.org/2/license.html>`__:

Copyright (c) 2001-2014 Python Software Foundation; All Rights Reserved

Portions of the unit tests are derived from the Unicode standard, which is subject to the Unicode, Inc. License Agreement:

Copyright (c) 1991-2014 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in
<http://www.unicode.org/copyright.html>.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that

(a) this copyright and permission notice appear with all copies
of the Data Files or Software,

(b) this copyright and permission notice appear in associated
documentation, and

(c) there is clear notice in each modified Data File or in the Software
as well as in the documentation associated with the Data File(s) or
Software that the data or software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF
ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS
NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL
DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder
shall not be used in advertising or otherwise to promote the sale,
use or other dealings in these Data Files or Software without prior
written authorization of the copyright holder.

Found in path(s):
No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.1
Name: idna
Version: 2.5
Summary: Internationalized Domain Names in Applications (IDNA)
Home-page: https://github.com/kjd/idna
Author: Kim Davies
Author-email: kim@cynosure.com.au
License: BSD-like
Description: Internationalized Domain Names in Applications (IDNA)

Support for the Internationalised Domain Names in Applications
(IDNA) protocol as specified in `RFC 5891 <http://tools.ietf.org/html/rfc5891>`_.
This is the latest version of the protocol and is sometimes referred to as
“IDNA 2008”.

This library also provides support for Unicode Technical Standard 46,
`Unicode IDNA Compatibility Processing <http://unicode.org/reports/tr46/>`_.

---

Open Source Used In CSPC_Gatherer 2.9.1 7161
This acts as a suitable replacement for the “encodings.idna” module that comes with the Python standard library, but only supports the old, deprecated IDNA specification (`RFC 3490 <http://tools.ietf.org/html/rfc3490>`_).

Basic functions are simply executed:

```pycon
# Python 3
>>> import idna
>>> idna.encode('.'
'b'xn--eckwd4c7c.xn--zckzah'
>>> print(idna.decode('xn--eckwd4c7c.xn--zckzah'))

# Python 2
>>> import idna
>>> idna.encode(u'.
'xn--eckwd4c7c.xn--zckzah'
>>> print idna.decode('xn--eckwd4c7c.xn--zckzah')
```

Packages
--------

The latest tagged release version is published in the PyPI repository:

```.
.. image:: https://badge.fury.io/py/idna.svg
   :target: http://badge.fury.io/py/idna
```

Installation
------------

To install this library, you can use pip:

```bash
$ pip install idna
```

Alternatively, you can install the package using the bundled setup script:

```bash
$ python setup.py install
```

This library works with Python 2.6 or later, and Python 3.3 or later.
Usage
-----

For typical usage, the ``encode`` and ``decode`` functions will take a domain name argument and perform a conversion to A-labels or U-labels respectively.

.. code-block:: pycon

    # Python 3
    >>> import idna
    >>> idna.encode('.
    b'xn--eckwd4c7c.xn--zckzah'
    >>> print(idna.decode('xn--eckwd4c7c.xn--zckzah'))

You may use the codec encoding and decoding methods using the ``idna.codec`` module:

.. code-block:: pycon

    # Python 2
    >>> import idna.codec
    >>> print u'.encode('idna')
    xn--80ahd1agd.xn--80akhbyknj4f
    >>> print 'xn--80ahd1agd.xn--80akhbyknj4f'.decode('idna')

Conversions can be applied at a per-label basis using the ``ulabel`` or ``alabel`` functions if necessary:

.. code-block:: pycon

    # Python 2
    >>> idna.alabel(u'')
    'xn--0zwm56d'

Compatibility Mapping (UTS #46)
+++++++++++++++++++++++++++++++

As described in `RFC 5895 <http://tools.ietf.org/html/rfc5895>`_, the IDNA specification no longer normalizes input from different potential ways a user may input a domain name. This functionality, known as a “mapping”, is now considered by the specification to be a local user-interface issue distinct from IDNA conversion functionality.

This library provides one such mapping, that was developed by the Unicode
Consortium. Known as ‘Unicode IDNA Compatibility Processing <http://unicode.org/reports/tr46/>’, it provides for both a regular mapping for typical applications, as well as a transitional mapping to help migrate from older IDNA 2003 applications.

For example, “Königsgäßchen” is not a permissible label as *LATIN CAPITAL LETTER K* is not allowed (nor are capital letters in general). UTS 46 will convert this into lower case prior to applying the IDNA conversion.

```pycon
# Python 3
>>> import idna
>>> idna.encode(u'Königsgäßchen')
...
idna.core.InvalidCodepoint: Codepoint U+004B at position 1 of 'Königsgäßchen' not allowed
>>> idna.encode('Königsgäßchen', uts46=True)
b'xn--knigsgchen-b4a3dun'
>>> print(idna.decode('xn--knigsgchen-b4a3dun'))
königsgäßchen
```

Transitional processing provides conversions to help transition from the older 2003 standard to the current standard. For example, in the original IDNA specification, the *LATIN SMALL LETTER SHARP S* (ß) was converted into two *LATIN SMALL LETTER S* (ss), whereas in the current IDNA specification this conversion is not performed.

```pycon
# Python 2
>>> idna.encode(u'Königsgäßchen', uts46=True, transitional=True)
'xn--knigsgsschen-lcb0w'
```

Implementors should use transitional processing with caution, only in rare cases where conversion from legacy labels to current labels must be performed (i.e. IDNA implementations that pre-date 2008). For typical applications that just need to convert labels, transitional processing is unlikely to be beneficial and could produce unexpected incompatible results.

```
``encodings.idna`` Compatibility
+++++++++++++++++++++++++++++

Function calls from the Python built-in ``encodings.idna`` module are mapped to their IDNA 2008 equivalents using the ``idna.compat`` module. Simply substitute the ``import`` clause in your code to refer to the new module name.

Exceptions
---------
All errors raised during the conversion following the specification should raise an exception derived from the ``idna.IDNAError`` base class.

More specific exceptions that may be generated as ``idna.IDNABidiError`` when the error reflects an illegal combination of left-to-right and right-to-left characters in a label; ``idna.InvalidCodepoint`` when a specific codepoint is an illegal character in an IDN label (i.e. INVALID); and ``idna.InvalidCodepointContext`` when the codepoint is illegal based on its positional context (i.e. it is CONTEXTO or CONTEXTJ but the contextual requirements are not satisfied.)

Testing
-------

The library has a test suite based on each rule of the IDNA specification, as well as tests that are provided as part of the Unicode Technical Standard 46, `Unicode IDNA Compatibility Processing <http://unicode.org/reports/tr46/>`_.

The tests are run automatically on each commit at Travis CI:

.. image:: https://travis-ci.org/kjd/idna.svg?branch=master
   :target: https://travis-ci.org/kjd/idna

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: Intended Audience :: System Administrators
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: Topic :: Internet :: Name Service (DNS)
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: Topic :: Utilities

Found in path(s):
No license file was found, but licenses were detected in source scan.
1.687 perl-time-hires 1.9758-1.el8

1.687.1 Available under license:

No license file was found, but licenses were detected in source scan.

=head1 NAME

Time::HiRes - High resolution alarm, sleep, gettimeofday, interval timers

=head1 SYNOPSIS

use Time::HiRes qw( usleep ualarm gettimeofday tv_interval nanosleep
clock_gettime clock_getres clock_nanosleep clock
stat lstat utime);

usleep ($microseconds);
nanosleep ($nanoseconds);

ualarm ($microseconds);
ualarm ($microseconds, $interval_microseconds);

$t0 = [gettimeofday];
($seconds, $microseconds) = gettimeofday;

$elapsed = tv_interval ( $t0, [ $seconds, $microseconds ] );
$elapsed = tv_interval ( $t0, [ gettimeofday ]);  # Deprecated
$elapsed = tv_interval ( $t0 );

use Time::HiRes qw ( time alarm sleep );

$now_fractions = time;
sleep ($floating_seconds);
alarm ($floating_seconds);
alarm ($floating_seconds, $floating_interval);

use Time::HiRes qw( setitimer getitimer );

setitimer ( $which, $floating_seconds, $floating_interval );
getitimer ( $which );

use Time::HiRes qw( clock_gettime clock_getres clock_nanosleep
clock_getres

Open Source Used In CSPC_Collector 2.9.1 7166
ITIMER_REAL ITIMER_VIRTUAL ITIMER_PROF
ITIMER_REALPROF);

$realtime  = clock_gettime(CLOCK_REALTIME);
$resolution = clock_getres(CLOCK_REALTIME);

clock_nanosleep(CLOCK_REALTIME, 1.5e9);
clock_nanosleep(CLOCK_REALTIME, time()*1e9 + 10e9, TIMER_ABSTIME);

my $ticktock = clock();

use Time::HiRes qw( stat lstat );

my @stat = stat("file");
my @stat = stat(FH);
my @stat = lstat("file");

use Time::HiRes qw( uptime );
uptime $floating_seconds, $floating_seconds, file...;

=head1 DESCRIPTION

The C<Time::HiRes> module implements a Perl interface to the
C<sleeup>, C<nanosleep>, C<ualarm>, C<gettimeofday>, and
C<setitimer>/C<getitimer> system calls, in other words, high
resolution time and timers. See the L</EXAMPLES> section below and the
test scripts for usage; see your system documentation for the
description of the underlying C<nanosleep> or C<sleup>, C<ualarm>,
C<gettimeofday>, and C<setitimer>/C<getitimer> calls.

If your system lacks C<gettimeofday()> or an emulation of it you don’t
get C<gettimeofday()> or the one-argument form of C<tv_interval()>.
If your system lacks all of C<nanosleep>(), C<sleeup>(),
C<select>(), and C<poll>, you don’t get C<Time::HiRes::sleeup>(),
C<Time::HiRes::nanosleep>(), or C<Time::HiRes::sleeup>().
If your system lacks both C<ualarm()> and C<settimer()> you don’t get
C<Time::HiRes::ualarm()> or C<Time::HiRes::alarm>().

If you try to import an unimplemented function in the C<use> statement
it will fail at compile time.

If your subsecond sleeping is implemented with C<nanosleep()> instead
of C<sleeup>(), you can mix subsecond sleeping with signals since
C<nanosleep()> does not use signals. This, however, is not portable,
and you should first check for the truth value of
C<&Time::HiRes::d_nanosleep> to see whether you have nanosleep, and
then carefully read your C<nanosleep()> C API documentation for any
peculiarities.
If you are using C<nanosleep> for something else than mixing sleeping with signals, give some thought to whether Perl is the tool you should be using for work requiring nanosecond accuracies.

Remember that unless you are working on a I<hard realtime> system, any clocks and timers will be imprecise, especially so if you are working in a pre-emptive multiuser system. Understand the difference between I<wallclock time> and process time (in UNIX-like systems the sum of I<user> and I<system> times). Any attempt to sleep for X seconds will most probably end up sleeping B<more> than that, but don't be surprised if you end up sleeping slightly B<less>.

The following functions can be imported from this module. No functions are exported by default.

=over 4

=item gettimeofday ()

In array context returns a two-element array with the seconds and microseconds since the epoch. In scalar context returns floating seconds like C<Time::HiRes::time()> (see below).

=item usleep ( $useconds )

Sleeps for the number of microseconds (millionths of a second) specified. Returns the number of microseconds actually slept. Can sleep for more than one second, unlike the C<usleep> system call. Can also sleep for zero seconds, which often works like a I<thread yield>. See also C<Time::HiRes::usleep()> , C<Time::HiRes::sleep()> , and C<Time::HiRes::clock_nanosleep()>.

Do not expect usleep() to be exact down to one microsecond.

=item nanosleep ( $nanoseconds )

Sleeps for the number of nanoseconds (1e9ths of a second) specified. Returns the number of nanoseconds actually slept (accurate only to microseconds, the nearest thousand of them). Can sleep for more than one second. Can also sleep for zero seconds, which often works like a I<thread yield>. See also C<Time::HiRes::sleep()> , C<Time::HiRes::usleep()> , and C<Time::HiRes::clock_nanosleep()>.

Do not expect nanosleep() to be exact down to one nanosecond.

Getting even accuracy of one thousand nanoseconds is good.

=item ualarm ( $useconds [, $interval_useconds ] )
Issues a C<ualarm> call; the C<$interval_usec> is optional and will be zero if unspecified, resulting in C<alarm>-like behaviour.

Returns the remaining time in the alarm in microseconds, or C<undef> if an error occurred.

ualarm(0) will cancel an outstanding ualarm().

Note that the interaction between alarms and sleeps is unspecified.

=item tv_interval

tv_interval ( $ref_to_gettimeofday [, $ref_to_later_gettimeofday] )

Returns the floating seconds between the two times, which should have been returned by C<gettimeofday()>.

=item time ()

Returns a floating seconds since the epoch. This function can be imported, resulting in a nice drop-in replacement for the C<time()> provided with core Perl; see the L</EXAMPLES> below.

B<NOTE 1>: This higher resolution timer can return values either less or more than the core C<time()> depending on whether your platform rounds the higher resolution timer values up, down, or to the nearest second to get the core C<time()> but naturally the difference should be never more than half a second. See also L</clock_getres>, if available in your system.

B<NOTE 2>: Since Sunday, September 9th, 2001 at 01:46:40 AM GMT, when the C<time()> seconds since epoch rolled over to 1_000_000_000, the default floating point format of Perl and the seconds since epoch have conspired to produce an apparent bug: if you print the value of C<Time::HiRes::time()> you seem to be getting only five decimals, not six as promised (microseconds). Not to worry, the microseconds are there (assuming your platform supports such granularity in the first place). What is going on is that the default floating point format of Perl only outputs 15 digits. In this case that means ten digits before the decimal separator and five after. To see the microseconds you can use either C<print>/C<sprint> with C<"%.6f">, or the C<gettimeofday()> function in list context, which will give you the seconds and microseconds as two separate values.

=item sleep ( $floating_seconds )
Sleeps for the specified amount of seconds. Returns the number of seconds actually slept (a floating point value). This function can be imported, resulting in a nice drop-in replacement for the C<sleep> provided with perl, see the L</EXAMPLES> below.

Note that the interaction between alarms and sleeps is unspecified.

=item alarm ( $floating_seconds [, $interval_floating_seconds ] )

The C<SIGALRM> signal is sent after the specified number of seconds. Implemented using C<setitimer()> if available, C<ualarm()> if not. The C<$interval_floating_seconds> argument is optional and will be zero if unspecified, resulting in C<alarm()>-like behaviour. This function can be imported, resulting in a nice drop-in replacement for the C<alarm> provided with perl, see the L</EXAMPLES> below.

Returns the remaining time in the alarm in seconds, or C<undef> if an error occurred.

B<NOTE 1>: With some combinations of operating systems and Perl releases C<SIGALRM> restarts C<select()>, instead of interrupting it. This means that an C<alarm()> followed by a C<select()> may together take the sum of the times specified for the C<alarm()> and the C<select()>, not just the time of the C<alarm>().

Note that the interaction between alarms and sleeps is unspecified.

=item setitimer ( $which, $floating_seconds [, $interval_floating_seconds ] )

Start up an interval timer: after a certain time, a signal ($which) arrives, and more signals may keep arriving at certain intervals. To disable an "itimer", use C<$floating_seconds> of zero. If the C<$interval_floating_seconds> is set to zero (or unspecified), the timer is disabled B<after> the next delivered signal.

Use of interval timers may interfere with C<alarm()>, C<sleep()>, and C<usleep()>. In standard-speak the "interaction is unspecified", which means that I<anything> may happen: it may work, it may not.

In scalar context, the remaining time in the timer is returned.

In list context, both the remaining time and the interval are returned.

There are usually three or four interval timers (signals) available: the C<$which> can be C<ITIMER_REAL>, C<ITIMER_VIRTUAL>, C<ITIMER_PROF>, or C<ITIMER_REALPROF>. Note that which ones are available depends: true UNIX platforms usually have the first three, but only Solaris seems to have C<ITIMER_REALPROF> (which is used to profile multithreaded programs).
Win32 unfortunately does not have interval timers.

C<ITIMER_REAL> results in C<alarm()>-like behaviour. Time is counted in I<real time>; that is, wallclock time. C<SIGALRM> is delivered when the timer expires.

C<ITIMER_VIRTUAL> counts time in (process) I<virtual time>; that is, only when the process is running. In multiprocessor/user/CPU systems this may be more or less than real or wallclock time. (This time is also known as the I<user time>.) C<SIGVTALRM> is delivered when the timer expires.

C<ITIMER_PROF> counts time when either the process virtual time or when the operating system is running on behalf of the process (such as I/O). (This time is also known as the I<system time>.) (The sum of user time and system time is known as the I<CPU time>.) C<SIGPROF> is delivered when the timer expires. C<SIGPROF> can interrupt system calls.

The semantics of interval timers for multithreaded programs are system-specific, and some systems may support additional interval timers. For example, it is unspecified which thread gets the signals. See your C<setitimer()> documentation.

=item getitimer ( $which )

Return the remaining time in the interval timer specified by C<$which>.

In scalar context, the remaining time is returned.

In list context, both the remaining time and the interval are returned. The interval is always what you put in using C<setitimer()>.

=item clock_gettime ( $which )

Return as seconds the current value of the POSIX high resolution timer specified by C<$which>. All implementations that support POSIX high resolution timers are supposed to support at least the C<$which> value of C<CLOCK_REALTIME>, which is supposed to return results close to the results of C<gettimeofday>, or the number of seconds since 00:00:00:00 January 1, 1970 Greenwich Mean Time (GMT). Do not assume that CLOCK_REALTIME is zero, it might be one, or something else.

Another potentially useful (but not available everywhere) value is C<CLOCK_MONOTONIC>, which guarantees a monotonically increasing time value (unlike time() or gettimeofday(), which can be adjusted).

See your system documentation for other possibly supported values.

=item clock_getres ( $which )
Return as seconds the resolution of the POSIX high resolution timer specified by \texttt{C<$which>}. All implementations that support POSIX high resolution timers are supposed to support at least the \texttt{C<$which> value of \texttt{C<CLOCK_REALTIME>}}, see \texttt{L</clock_gettime>}. 

\textbf{NOTE:} the resolution returned may be highly optimistic. Even if the resolution is high (a small number), all it means is that you'll be able to specify the arguments to \texttt{clock_gettime()} and \texttt{clock_nanosleep()} with that resolution. The system might not actually be able to measure events at that resolution, and the various overheads and the overall system load are certain to affect any timings.

\item \texttt{clock_nanosleep ( $which, $nanoseconds, $flags = 0)}

Sleeps for the number of nanoseconds (1e9ths of a second) specified. Returns the number of nanoseconds actually slept. The \texttt{$which} is the "clock id", as with \texttt{clock_gettime()} and \texttt{clock_getres()}. The flags default to zero but \texttt{C<TIMER_ABSTIME>} can specified (must be exported explicitly) which means that \texttt{C<$nanoseconds>} is not a time interval (as is the default) but instead an absolute time. Can sleep for more than one second. Can also sleep for zero seconds, which often works like a \texttt{I<thread yield>}. See also \texttt{C<Time::HiRes::sleep()>, C<Time::HiRes::usleep>(), and C<Time::HiRes::nanosleep()>}. 

Do not expect \texttt{clock_nanosleep()} to be exact down to one nanosecond. Getting even accuracy of one thousand nanoseconds is good.

\item \texttt{clock()}

Return as seconds the \texttt{I<process time>} (user + system time) spent by the process since the first call to \texttt{clock()} (the definition is \textbf{not} "since the start of the process", though if you are lucky these times may be quite close to each other, depending on the system). What this means is that you probably need to store the result of your first call to \texttt{clock()}, and subtract that value from the following results of \texttt{clock()}. 

The time returned also includes the process times of the terminated child processes for which \texttt{wait()} has been executed. This value is somewhat like the second value returned by the \texttt{times()} of core Perl, but not necessarily identical. Note that due to backward compatibility limitations the returned value may wrap around at about 2147 seconds or at about 36 minutes.

\item \texttt{stat}

\item \texttt{stat FH}

\item \texttt{stat EXPR}
As L<perlfunc/stat> or L<perlfunc/lstat>
but with the access/modify/change file timestamps
in subsecond resolution, if the operating system and the filesystem
both support such timestamps. To override the standard stat():

    use Time::HiRes qw(stat);

Test for the value of &Time::HiRes::d_hires_stat to find out whether
the operating system supports subsecond file timestamps: a value
larger than zero means yes. There are unfortunately no easy
ways to find out whether the filesystem supports such timestamps.
UNIX filesystems often do; NTFS does; FAT doesn't (FAT timestamp
granularity is B<two> seconds).

A zero return value of &Time::HiRes::d_hires_stat means that
Time::HiRes::stat is a no-op passthrough for CORE::stat()
(and likewise for lstat),
and therefore the timestamps will stay integers. The same
thing will happen if the filesystem does not do subsecond timestamps,
even if the &Time::HiRes::d_hires_stat is non-zero.

In any case do not expect nanosecond resolution, or even a microsecond
resolution. Also note that the modify/access timestamps might have
different resolutions, and that they need not be synchronized, e.g.
if the operations are

    write
    stat # t1
    read
    stat # t2

the access time stamp from t2 need not be greater-than the modify
time stamp from t1: it may be equal or I<less>.

As L<perlfunc/utime>
but with the ability to set the access/modify file timestamps
in subsecond resolution, if the operating system and the filesystem,
and the mount options of the filesystem, all support such timestamps.
To override the standard utime():

    use Time::HiRes qw(utime);

Test for the value of &Time::HiRes::d_hires_utime to find out whether
the operating system supports setting subsecond file timestamps.

As with CORE::utime(), passing undef as both the atime and mtime will
call the syscall with a NULL argument.

The actual achievable subsecond resolution depends on the combination
of the operating system and the filesystem.

Modifying the timestamps may not be possible at all: for example, the
C<noatime> filesystem mount option may prohibit you from changing the
access time timestamp.

Returns the number of files successfully changed.

=back

=head1 EXAMPLES

use Time::HiRes qw(usleep ualarm gettimeofday tv_interval);

$microseconds = 750_000;
usleep($microseconds);

    # signal alarm in 2.5s & every .1s thereafter
ualarm(2_500_000, 100_000);
    # cancel that ualarm
ualarm(0);

    # get seconds and microseconds since the epoch
($s, $usec) = gettimeofday();

    # measure elapsed time
    # (could also do by subtracting 2 gettimeofday return values)
$t0 = [gettimeofday];
    # do bunch of stuff here
$t1 = [gettimeofday];
    # do more stuff here
$t0_t1 = tv_interval $t0, $t1;

$elapsed = tv_interval ($t0, [gettimeofday]);
$elapsed = tv_interval ($t0);# equivalent code
# replacements for time, alarm and sleep that know about
# floating seconds
#
use Time::HiRes;
$now_fractions = Time::HiRes::time;
Time::HiRes::sleep (2.5);
Time::HiRes::alarm (10.6666666);

use Time::HiRes qw ( time alarm sleep );
$now_fractions = time;
sleep (2.5);
alarm (10.6666666);

# Arm an interval timer to go off first at 10 seconds and
# after that every 2.5 seconds, in process virtual time

use Time::HiRes qw ( setitimer ITIMER_VIRTUAL time );

$SIG{VTALRM} = sub { print time, "\n" }; 
setitimer(ITIMER_VIRTUAL, 10, 2.5);

use Time::HiRes qw( clock_gettime clock_getres CLOCK_REALTIME );
# Read the POSIX high resolution timer.
my $high = clock_gettime(CLOCK_REALTIME);
# But how accurate we can be, really?
my $reso = clock_getres(CLOCK_REALTIME);

use Time::HiRes qw( clock_nanosleep TIMER_ABSTIME );
clock_nanosleep(CLOCK_REALTIME, 1e6);
clock_nanosleep(CLOCK_REALTIME, 2e9, TIMER_ABSTIME);

use Time::HiRes qw( clock );
my $clock0 = clock();
... # Do something.
my $clock1 = clock();
my $clockd = $clock1 - $clock0;

use Time::HiRes qw( stat );
my ($atime, $mtime, $ctime) = (stat("istics"))[8, 9, 10];

=head1 C API

In addition to the perl API described above, a C API is available for
extension writers. The following C functions are available in the
modglobal hash:

<table>
<thead>
<tr>
<th>name</th>
<th>C prototype</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Both functions return equivalent information (like C<gettimeofday>) but with different representations. The names C<NVtime> and C<U2time> were selected mainly because they are operating system independent. (C<gettimeofday> is Unix-centric, though some platforms like Win32 and VMS have emulations for it.)

Here is an example of using C<NVtime> from C:

    NV (*myNVtime)(); /* Returns -1 on failure. */
    SV **svp = hv_fetchs(PL_modglobal, "Time::NVtime", 0);
    if (!svp)    croak("Time::HiRes is required");
    if (!SvIOK(*svp)) croak("Time::NVtime isn't a function pointer");
    myNVtime = INT2PTR(NV(*)(), SvIV(*svp));
    printf("The current time is: %" NVff ", (*myNVtime)();

=head1 DIAGNOSTICS

=head2 useconds or interval more than ...

In ualarm() you tried to use number of microseconds or interval (also in microseconds) more than 1,000,000 and setitimer() is not available in your system to emulate that case.

=head2 negative time not invented yet

You tried to use a negative time argument.

=head2 internal error: useconds < 0 (unsigned ... signed ...)

Something went horribly wrong-- the number of microseconds that cannot become negative just became negative. Maybe your compiler is broken?

=head2 useconds or uinterval equal to or more than 1000000

In some platforms it is not possible to get an alarm with subsecond resolution and later than one second.

=head2 unimplemented in this platform

Some calls simply aren't available, real or emulated, on every platform.

=head1 CAVEATS

Notice that the core C<time()> maybe rounding rather than truncating. What this means is that the core C<time()> may be reporting the time
as one second later than C<gettimeofday()> and C<Time::HiRes::time()>.

Adjusting the system clock (either manually or by services like ntp) may cause problems, especially for long running programs that assume a monotonously increasing time (note that all platforms do not adjust time as gracefully as UNIX ntp does). For example in Win32 (and derived platforms like Cygwin and MinGW) the Time::HiRes::time() may temporarily drift off from the system clock (and the original time()) by up to 0.5 seconds. Time::HiRes will notice this eventually and recalibrate.

Note that since Time::HiRes 1.77 the clock_gettime(CLOCK_MONOTONIC) might help in this (in case your system supports CLOCK_MONOTONIC).

Some systems have APIs but not implementations: for example QNX and Haiku have the interval timer APIs but not the functionality.

In pre-Sierra macOS (pre-10.12, OS X) clock_getres(), clock_gettime() and clock_nanosleep() are emulated using the Mach timers; as a side effect of being emulated the CLOCK_REALTIME and CLOCK_MONOTONIC are the same timer.

gnu/kfreebsd seems to have non-functional futimens() and utimensat() (at least as of 10.1): therefore the hires utime() does not work.

=head1 SEE ALSO

Perl modules L<BSD::Resource>, L<Time::TAI64>.

Your system documentation for C<clock>, C<clock_gettime>, C<clock_getres>, C<clock_nanosleep>, C<clock_settime>, C<getitimer>, C<gettimeofday>, C<setitimer>, C<sleep>, C<stat>, C<aalarm>.

=head1 AUTHORS

D. Wegscheid <wegscd@whirlpool.com>
R. Schertler <roderick@argon.org>
J. Hietaniemi <jhi@iki.fi>
G. Aas <gisle@aas.no>

=head1 COPYRIGHT AND LICENSE

Copyright (c) 1996-2002 Douglas E. Wegscheid. All rights reserved.


Copyright (C) 2011, 2012, 2013 Andrew Main (Zefram) <zefram@fysh.org>

This program is free software; you can redistribute it and/or modify
it under the same terms as Perl itself.

=cut

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*
 *
 * Copyright (c) 1996-2002 Douglas E. Wegscheid. All rights reserved.
 *
 * Copyright (c) 2002-2010 Jarkko Hietaniemi.
 * All rights reserved.
 *
 * Copyright (C) 2011, 2012, 2013 Andrew Main (Zefram) <zefram@fysh.org>
 *
 * This program is free software; you can redistribute it and/or modify
 * it under the same terms as Perl itself.
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/cola/permits/1137994437_1614192711.07/0/perl-Time-HiRes-1.9758-1.el8-1.src.rpm-cosi-expand-archive-c6qZVTFX/perl-Time-HiRes.spec
No license file was found, but licenses were detected in source scan.

/*
IFICPpport.h -- Perl/Pollution/Portability Version 3.36

Automatically created by Devel::PPPort running under perl 5.026001.

Do NOT edit this file directly! -- Edit PPPort_pm.PL and the
includes in parts/inc/ instead.

Use 'perldoc pppport.h' to view the documentation below.

-------------------------------------------------------------------

=pod

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.36

=head1 SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help                      show short help
--version                   show version
--patch=file                write one patch file with changes
--copy=suffix               write changed copies with suffix
--diff=program              use diff program and options
--compat-version=version    provide compatibility with Perl version
--cplusplus                 accept C++ comments
--quiet                     don't output anything except fatal errors
--nodiag                    don't show diagnostics
--nohints                   don't show hints
--nochanges                 don't suggest changes
--nofilter                  don't filter input files
--strip                     strip all script and doc functionality from ppport.h
--list-provided             list provided API
--list-unsupported          list unsupported API
--api-info=name             show Perl API portability information

=head1 COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.20.

=head1 OPTIONS

=head2 --help

Display a brief usage summary.
=head2 --version

Display the version of F<ppport.h>.

=head2 --patch=I<file>

If this option is given, a single patch file will be created if any changes are suggested. This requires a working diff program to be installed on your system.

=head2 --copy=I<suffix>

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs. Note that this does not automagically add a dot between the original filename and the suffix. If you want the dot, you have to include it in the option argument.

If neither C<--patch> or C<--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

=head2 --diff=I<program>

Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.

=head2 --compat-version=I<version>

Tell F<ppport.h> to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003. You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.

=head2 --cplusplus

Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.

=head2 --quiet

Be quiet. Don't print anything except fatal errors.
=head2 --nodiag

Don't output any diagnostic messages. Only portability alerts will be printed.

=head2 --nohints

Don't output any hints. Hints often contain useful portability notes. Warnings will still be displayed.

=head2 --nochanges

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>. This reduces the size of F<ppport.h> dramatically and may be useful if you want to include F<ppport.h> in smaller modules without increasing their distribution size too much.

The stripped F<ppport.h> will have a C<--unstrip> option that allows you to undo the stripping, but only if an appropriate C<Devel::PPPort> module is installed.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.

=head2 --list-unsupported

Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching I<name>. If I<name> is surrounded by slashes, it is interpreted as a regular
=head1 DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

=item *

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

perl ppport.h --list-provided

to see which API elements are provided by ppport.h.

=item *

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h> will provide wrappers for older Perl versions.

=item *

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define>s in your source code before the inclusion of F<ppport.h>.

These functions or variables will be marked C<explicit> in the list shown by C<--list-provided>.

Depending on whether you module has a single or multiple files that use such functions or variables, you want either C<static> or global variants.

For a C<static> function or variable (used only in a single source file), use:

    #define NEED_function
    #define NEED_variable

For a global function or variable (used in multiple source files),
Note that you mustn't have more than one global request for the same function or variable in your project.

<table>
<thead>
<tr>
<th>Function / Variable</th>
<th>Static Request</th>
<th>Global Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL_parser</td>
<td>NEED_PL_parser</td>
<td>NEED_PL_parser_GLOBAL</td>
</tr>
<tr>
<td>PL_signals</td>
<td>NEED_PL_signals</td>
<td>NEED_PL_signals_GLOBAL</td>
</tr>
<tr>
<td>SvRX()</td>
<td>NEED_SvRX</td>
<td>NEED_SvRX_GLOBAL</td>
</tr>
<tr>
<td>caller_cx()</td>
<td>NEED_caller_cx</td>
<td>NEED_caller_cx_GLOBAL</td>
</tr>
<tr>
<td>eval_pv()</td>
<td>NEED_eval_pv</td>
<td>NEED_eval_pv_GLOBAL</td>
</tr>
<tr>
<td>grok_bin()</td>
<td>NEED_grok_bin</td>
<td>NEED_grok_bin_GLOBAL</td>
</tr>
<tr>
<td>grok_hex()</td>
<td>NEED_grok_hex</td>
<td>NEED_grok_hex_GLOBAL</td>
</tr>
<tr>
<td>grok_number()</td>
<td>NEED_grok_number</td>
<td>NEED_grok_number_GLOBAL</td>
</tr>
<tr>
<td>grok_numeric_radix()</td>
<td>NEED_grok_numeric_radix</td>
<td>NEED_grok_numeric_radix_GLOBAL</td>
</tr>
<tr>
<td>grok_oct()</td>
<td>NEED_grok_oct</td>
<td>NEED_grok_oct_GLOBAL</td>
</tr>
<tr>
<td>gv_fetchpvn_flags()</td>
<td>NEED_gv_fetchpvn_flags</td>
<td>NEED_gv_fetchpvn_flags_GLOBAL</td>
</tr>
<tr>
<td>load_module()</td>
<td>NEED_load_module</td>
<td>NEED_load_module_GLOBAL</td>
</tr>
<tr>
<td>mg_findext()</td>
<td>NEED_mg_findext</td>
<td>NEED_mg_findext_GLOBAL</td>
</tr>
<tr>
<td>my_snprintf()</td>
<td>NEED_my_snprintf</td>
<td>NEED_my_snprintf_GLOBAL</td>
</tr>
<tr>
<td>my_sprintf()</td>
<td>NEED_my_sprintf</td>
<td>NEED_my_sprintf_GLOBAL</td>
</tr>
<tr>
<td>my_strlcat()</td>
<td>NEED_my_strlcat</td>
<td>NEED_my_strlcat_GLOBAL</td>
</tr>
<tr>
<td>my_strlcpy()</td>
<td>NEED_my_strlcpy</td>
<td>NEED_my_strlcpy_GLOBAL</td>
</tr>
<tr>
<td>newCONSTSUB()</td>
<td>NEED_newCONSTSUB</td>
<td>NEED_newCONSTSUB_GLOBAL</td>
</tr>
<tr>
<td>newRV_noinc()</td>
<td>NEED_newRV_noinc</td>
<td>NEED_newRV_noinc_GLOBAL</td>
</tr>
<tr>
<td>newSV_type()</td>
<td>NEED_newSV_type</td>
<td>NEED_newSV_type_GLOBAL</td>
</tr>
<tr>
<td>newSVpvn_flags()</td>
<td>NEED_newSVpvn_flags</td>
<td>NEED_newSVpvn_flags_GLOBAL</td>
</tr>
<tr>
<td>newSVpvn_share()</td>
<td>NEED_newSVpvn_share</td>
<td>NEED_newSVpvn_share_GLOBAL</td>
</tr>
<tr>
<td>pv_display()</td>
<td>NEED_pv_display</td>
<td>NEED_pv_display_GLOBAL</td>
</tr>
<tr>
<td>pv_escape()</td>
<td>NEED_pv_escape</td>
<td>NEED_pv_escape_GLOBAL</td>
</tr>
<tr>
<td>pv_pretty()</td>
<td>NEED_pv_pretty</td>
<td>NEED_pv_pretty_GLOBAL</td>
</tr>
<tr>
<td>sv_2pv_flags()</td>
<td>NEED_sv_2pv_flags</td>
<td>NEED_sv_2pv_flags_GLOBAL</td>
</tr>
<tr>
<td>sv_2pvbyte()</td>
<td>NEED_sv_2pvbyte</td>
<td>NEED_sv_2pvbyte_GLOBAL</td>
</tr>
<tr>
<td>sv_catpvf_mg()</td>
<td>NEED_sv_catpvf_mg</td>
<td>NEED_sv_catpvf_mg_GLOBAL</td>
</tr>
<tr>
<td>sv_catpvf_mg_nocontext()</td>
<td>NEED_sv_catpvf_mg_nocontext</td>
<td>NEED_sv_catpvf_mg_nocontext_GLOBAL</td>
</tr>
<tr>
<td>sv_pvn_force_flags()</td>
<td>NEED_sv_pvn_force_flags</td>
<td>NEED_sv_pvn_force_flags_GLOBAL</td>
</tr>
<tr>
<td>sv_setpvm()</td>
<td>NEED_sv_setpvm</td>
<td>NEED_sv_setpvm_GLOBAL</td>
</tr>
<tr>
<td>sv_setpvm_nocontext()</td>
<td>NEED_sv_setpvm_nocontext</td>
<td>NEED_sv_setpvm_nocontext_GLOBAL</td>
</tr>
<tr>
<td>sv_unmagicext()</td>
<td>NEED_sv_unmagicext</td>
<td>NEED_sv_unmagicext_GLOBAL</td>
</tr>
<tr>
<td>vload_module()</td>
<td>NEED_vload_module</td>
<td>NEED_vload_module_GLOBAL</td>
</tr>
<tr>
<td>vnewSVpvm()</td>
<td>NEED_vnewSVpvm</td>
<td>NEED_vnewSVpvm_GLOBAL</td>
</tr>
<tr>
<td>warner()</td>
<td>NEED_warner</td>
<td>NEED_warner_GLOBAL</td>
</tr>
</tbody>
</table>

To avoid namespace conflicts, you can change the namespace of the
explicitly exported functions / variables using the C<DPPP_NAMESPACE> macro. Just C<#define> the macro before including C<ppport.h>:

```
#define DPPP_NAMESPACE MyOwnNamespace_
#include "ppport.h"
```

The default namespace is C<DPPP_>.

=back

The good thing is that most of the above can be checked by running F<ppport.h> on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether F<ppport.h> is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, F<ppport.h> can be run as a Perl script to check your source code. Simply say:

```
perl ppport.h
```

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

```
perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff
```

If you only want your code to be scanned without any suggestions for changes, use:

```
perl ppport.h --nochanges
```

You can specify a different C<diff> program or options, using the C<--diff> option:

```
perl ppport.h --diff='diff -C 10'
```

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:
perl ppport.h --copy=.new

To display portability information for the C<newSVpvn> function, use:

perl ppport.h --api-info=newSVpvn

Since the argument to C<--api-info> can be a regular expression, you can use

perl ppport.h --api-info=/_nomg$/

to display portability information for all C<_nomg> functions or

perl ppport.h --api-info=/ /

to display information for all known API elements.

=head1 BUGS

If this version of F<ppport.h> is causing failure during the compilation of this module, please check if newer versions of either this module or C<Devel::PPPort> are available on CPAN before sending a bug report.

If F<ppport.h> was generated using the latest version of C<Devel::PPPort> and is causing failure of this module, please file a bug report here: L<https://github.com/mhx/Devel-PPPort/issues/>

Please include the following information:

=over 4

=item 1.

The complete output from running "perl -V"

=item 2.

This file.

=item 3.

The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.
item 5.

Any other information that you think could be relevant.

back

For the latest version of this code, please get the C<Devel::PPPort> module from CPAN.

=head1 COPYRIGHT

Version 3.x, Copyright (c) 2004-2013, Marcus Holland-Moritz.

Version 2.x, Copyright (C) 2001, Paul Marquess.

Version 1.x, Copyright (C) 1999, Kenneth Albanowski.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

See L<Devel::PPPort>.

cut

use strict;

# Disable broken TRIE-optimization
BEGIN { eval '\$\{^RE_TRIE_MAXBUF\} = -1' if $\] >= 5.009004 && $\] <= 5.009005 }

my $VERSION = 3.36;

my %opt = (quiet => 0, diag => 1, hints => 1, changes => 1, cplusplus => 0, filter => 1, strip => 0, version => 0);

my($ppport) = $0 =~ /\[(\w.]+)$/;
my $LF = '(?:\r\n|\[\r\n\])';   # line feed
my $HS = '\[ \s\s\]';             # horizontal whitespace
# Never use C comments in this file!
my $ccs = '/'.'*';
my $cce = '*'.'/';
my $rccs = quotemeta $ccs;
my $rcce = quotemeta $cce;
eval {
require Getopt::Long;
Getopt::Long::GetOptions(\%opt, qw(
help quiet diag! filter! hints! changes! cplusplus strip version
patch=s copy=s diff=s compat-version=s
list-provided list-unsupported api-info=s
)) or usage();
};
if ($@ and grep /^-/, @ARGV) {
usage() if "@ARGV" =~ /^--?h(?:elp)?$/;
die "Getopt::Long not found. Please don't use any options.\n";
}
if ($opt{version}) {
print "This is $0 $VERSION.\n";
exit 0;
}
usage() if $opt{help};
strip() if $opt{strip};
if (exists $opt{'compat-version'}) {
my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };
if ($@) {
die "Invalid version number format: '$opt{'compat-version'}'\n";
}
die "Only Perl 5 is supported\n" if $r != 5;
die "Invalid version number: $opt{'compat-version'}\n" if $v >= 1000 || $s >= 1000;
$opt{'compat-version'} = sprintf "%d.%03d%03d", $r, $v, $s;
}
else {
$opt{'compat-version'} = 5;
}
my %API = map { /^(\w+)\|([^|]*)\|([^|]*)\|(\w*)$/
? ( $1 => {
($2
? ( base => $2 ) : ()),
($3
? ( todo => $3 ) : ()),
(index($4, 'v') >= 0 ? ( varargs => 1 ) : ()),
(index($4, 'p') >= 0 ? ( provided => 1 ) : ()),

Open Source Used In CSPC_Collector 2.9.1 7187


G_ARRAY
G_DISCARD
G_EVAL
G_METHOD
G_NOARGS
G_SCALAR
G_VOID
GetVars
GvAV
GvCV
GvHV
GvSV
Gv_AMupdate
HEf_SVKEY
HeHASH
HeKEY
HeKLEN
HePV
HeSVKEY_force
HeSVKEY_set
HeUTF8
HeVAL
HvENAMELEN
HvENAMEUTF8
HvENAME
HvNAMELEN_get
HvNAMELEN
HvNAMEUTF8
HvNAME_get
HvNAME
INT2PTR
IN_LOCALE_COMPILETIME
IN_LOCALE_RUNTIME
IN_LOCALE
IN_PERL_COMPILETIME
IS_NUMBER_GREATER_THAN_UV_MAX
IS_NUMBER_INFINITY
IS_NUMBER_IN_UV
IS_NUMBER_NAN
IS_NUMBER_NEG
IS_NUMBER_NOT_INT
IVSIZE
IVTYPE
IVdf
LEAVE
LINKLIST
LVRET
MARK||
MULTICALL|5.024000|
MUTABLE_PTR|5.010001||p
MUTABLE_SV|5.010001||p
MY_CXT_CLONE|5.009002||p
MY_CXT_INIT|5.007003||p
MY_CXT|5.007003||p
MoveD|5.009002|5.004050||p
Move||
NATIVE_TO_NEED|5.007001|n
NOOP|5.005000||p
NUM2PTR|5.006000||p
NVTYPE|5.006000||p
NVef|5.006001||p
NVfr|5.006001||p
NVgf|5.006001||p
Newxc|5.009003||p
Newxz|5.009003||p
Newx|5.009003||p
Nullav||
Nullch||
Nullcv||
Nullhv||
Nullsv||
OP_CLASS|5.013007|
OP_DESC|5.007003|
OP_NAME|5.007003|
OP_TYPE_IS_OR_WAS|5.019010|
OP_TYPE_IS|5.019007|
ORIGMARK||
OpHAS_SIBLING|5.021007||p
OpLASTSIB_set|5.021011||p
OpMAYBESIB_set|5.021011||p
OpMORESIB_set|5.021011||p
OpSIBLING|5.021007||p
PAD_BASE_SV||
PAD_CLONE_SV||
PAD_COMPNAME_FLAGS||
PAD_COMPNAME_GEN_set||
PAD_COMPNAME_GEN||
PAD_COMPNAME_OURSTASH||
PAD_COMPNAME_PV||
PAD_COMPNAME_TYPE||
PAD_RESTORE_LOCAL||
PAD_SAVE_LOCAL||
PAD_SAVE_SETNULLPAD||
PAD_SETSV||
PAD_SET_CUR_NOSAVE||
PERL_VERSION|5.006000||p
PL_DBsignal|5.005000||p
PL_DBsingle|||pn
PL_DBsub|||pn
PL_DBtrace|||pn
PL_Sv|5.005000||p
PL_bufend|5.024000||p
PL_bufptr|5.024000||p
PL_check|5.006000|
PL_compiling|5.004050||p
PL_comppad_name|5.017004|
PL_comppad|5.008001|
PL_copline|5.024000||p
PL_curcop|5.004050||p
PL_curpad|5.005000|
PL_curstash|5.004050||p
PL_debstash|5.004050||p
PL_defgv|5.004050||p
PL_diehook|5.004050||p
PL_dirty|5.004050||p
PL_dowarn|||pn
PL_errgv|5.004050||p
PL_error_count|5.024000||p
PL_expect|5.024000||p
PL_hexdigit|5.005000||p
PL_hints|5.005000||p
PL_in_my_stash|5.024000||p
PL_in_my|5.024000||p
PL_keyword_plugin|5.011002|
PL_last_in_gv|||n
PL_laststatval|5.005000||p
PL_lex_state|5.024000||p
PL_lex_stuff|5.024000||p
PL_linestr|5.024000||p
PL_modglobal|5.005000|n
PL_na|5.004050||pn
PL_no_modify|5.006000||p
PL_ofsgv|||n
PL_opfreehook|5.011000|n
PL_parser|5.009005||p
PL_ppeepp|5.007003|n
PL_perl_destruct_level|5.004050||p
PL_perldb|5.004050||p
PL_ppaddr|5.006000||p
PL_rpeeep|5.013005|n
PL_rsfp_filters|5.024000||p
PL_rsfp|5.024000||p
PL_rs||n
<table>
<thead>
<tr>
<th>Variable</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL_signals</td>
<td>5.008001</td>
</tr>
<tr>
<td>PL_stack_base</td>
<td>5.004050</td>
</tr>
<tr>
<td>PL_stack_sp</td>
<td>5.004050</td>
</tr>
<tr>
<td>PL_statscache</td>
<td>5.005000</td>
</tr>
<tr>
<td>PL_stdingv</td>
<td>5.004050</td>
</tr>
<tr>
<td>PL_sv_arenaroot</td>
<td>5.004050</td>
</tr>
<tr>
<td>PL_sv_no</td>
<td>5.004050</td>
</tr>
<tr>
<td>PL_sv_undef</td>
<td>5.004050</td>
</tr>
<tr>
<td>PL_sv_yes</td>
<td>5.004050</td>
</tr>
<tr>
<td>PL_tainted</td>
<td>5.004050</td>
</tr>
<tr>
<td>PL_tainting</td>
<td>5.004050</td>
</tr>
<tr>
<td>PL_tokenbuf</td>
<td>5.024000</td>
</tr>
<tr>
<td>POP_MULTICALL</td>
<td>5.024000</td>
</tr>
<tr>
<td>POPl</td>
<td></td>
</tr>
<tr>
<td>POPl</td>
<td></td>
</tr>
<tr>
<td>POPn</td>
<td></td>
</tr>
<tr>
<td>POPppbyte</td>
<td>5.007001</td>
</tr>
<tr>
<td>POPpx</td>
<td>5.005030</td>
</tr>
<tr>
<td>POPp</td>
<td></td>
</tr>
<tr>
<td>POPs</td>
<td></td>
</tr>
<tr>
<td>POPu</td>
<td>5.006000</td>
</tr>
<tr>
<td>POPu</td>
<td>5.004000</td>
</tr>
<tr>
<td>PTR2IV</td>
<td>5.006000</td>
</tr>
<tr>
<td>PTR2NV</td>
<td>5.006000</td>
</tr>
<tr>
<td>PTR2UV</td>
<td>5.006000</td>
</tr>
<tr>
<td>PTR2nat</td>
<td>5.009003</td>
</tr>
<tr>
<td>PTR2ul</td>
<td>5.007001</td>
</tr>
<tr>
<td>PTRV</td>
<td>5.006000</td>
</tr>
<tr>
<td>PUSHMARK</td>
<td></td>
</tr>
<tr>
<td>PUSH_MULTICALL</td>
<td>5.024000</td>
</tr>
<tr>
<td>PUSHi</td>
<td></td>
</tr>
<tr>
<td>PUSHmortal</td>
<td>5.009002</td>
</tr>
<tr>
<td>PUSHn</td>
<td></td>
</tr>
<tr>
<td>PUSHp</td>
<td></td>
</tr>
<tr>
<td>PUSHs</td>
<td></td>
</tr>
<tr>
<td>PUSHu</td>
<td>5.004000</td>
</tr>
<tr>
<td>PUTBACK</td>
<td></td>
</tr>
<tr>
<td>PadARRAY</td>
<td>5.024000</td>
</tr>
<tr>
<td>PadMAX</td>
<td>5.024000</td>
</tr>
<tr>
<td>PadlistARRAY</td>
<td>5.024000</td>
</tr>
<tr>
<td>PadlistMAX</td>
<td>5.024000</td>
</tr>
<tr>
<td>PadlistNAMESARRAY</td>
<td>5.024000</td>
</tr>
<tr>
<td>PadlistNAMESMAX</td>
<td>5.024000</td>
</tr>
<tr>
<td>PadlistNAMES</td>
<td>5.024000</td>
</tr>
<tr>
<td>PadlistREFCNT</td>
<td>5.017004</td>
</tr>
<tr>
<td>PadnameIsOUR</td>
<td></td>
</tr>
<tr>
<td>PadnameIsSTATE</td>
<td></td>
</tr>
<tr>
<td>PadnameLEN</td>
<td>5.024000</td>
</tr>
</tbody>
</table>
PadnameOURSTASH|||
PadnameOUTER|||
PadnamePV[5.024000]
PadnameREFCNT_dec[5.024000]
PadnameREFCNT[5.024000]
PadnameSV[5.024000]
PadnameTYPE|||
PadnameUTF8[5.021007]
PadnamelistARRAY[5.024000]
PadnamelistMAX[5.024000]
PadnamelistREFCNT_dec[5.024000]
PadnamelistREFCNT[5.024000]
PerlIO_clearerr[5.007003]
PerlIO_close[5.007003]
PerlIO_context_layers[5.009004]
PerlIO_eof[5.007003]
PerlIO_error[5.007003]
PerlIO_fileno[5.007003]
PerlIO_fill[5.007003]
PerlIO_flush[5.007003]
PerlIO_get_base[5.007003]
PerlIO_get_bufsiz[5.007003]
PerlIO_get_cdir[5.007003]
PerlIO_get_ptr[5.007003]
PerlIO_read[5.007003]
PerlIO_restore_errno|||
PerlIO_save_errno|||
PerlIO_seek[5.007003]
PerlIO_set_cdir[5.007003]
PerlIO_set_ptrcnt[5.007003]
PerlIO_setlinebuf[5.007003]
PerlIO_stderr[5.007003]
PerlIO_stdin[5.007003]
PerlIO_stdout[5.007003]
PerlIO_tell[5.007003]
PerlIO_unread[5.007003]
PerlIO_write[5.007003]
Perl_signbit[5.009005]
PoisonFree[5.009004][p
PoisonNew[5.009004][p
PoisonWith[5.009004][p
Poison[5.008000][p
READ_XDIGIT[5.017006]
RESTORE_LC_NUMERIC[5.024000]
RETVAL[5.024000]
Renewc[]
Renew[]
SAVECLEARSV[]
StructCopy
SvCUR_set
SvCUR
SvEND
SvGAMAGIC[5.006001]
SvGETMAGIC[5.004050][p
SvGROW
SvIOK_UV[5.006000]
SvIOK_notUV[5.006000]
SvIOK_off
SvIOK_only_UV[5.006000]
SvIOK_only
SvIOK_on
SvIOKp
SvIOK
SvIVX
SvIV_nomg[5.009001][p
SvIV_set
SvIVx
SvIV
SvIsCOW_shared_hash[5.008003]
SvIsCOW[5.008003]
SvLEN_set
SvLEN
SvLOCK[5.007003]
SvMAGIC_set[5.009003][p
SvNIOK_off
SvNIOKp
SvNIOK
SvNOK_off
SvNOK_only
SvNOK_on
SvNOKp
SvNOK
SvNVX
SvNV_nomg[5.013002]
SvNV_set
SvNVx
SvNV
SvOK
SvOOK_offset[5.011000]
SvOOK
SvPOK_off
SvPOK_only_UTF8[5.006000]
SvPOK_only
SvPOK_on
SvPOKp
SvPOK
SvPVX_const[5.009003]\nSvPVX_mutable[5.009003]\nSvPVX||
SvPVbyte_force[5.009002]\nSvPVbyte_nolen[5.006000]\nSvPVbyte_nolf|5.006000]\nSvPVbyte[5.006000]\nSvPVutf8_force[5.006000]\nSvPVutf8_nolen[5.006000]\nSvPVutf8_xforce[5.006000]\nSvPVutf8x[5.006000]\nSvPVutf8[5.006000]\nSvPVx||
SvPV||
SvREFCNT_dec_NN[5.017007]\nSvREFCNT_dec||
SvREFCNT||
aMY_CXT|5.007003||p
aTHXR|5.024000||p
aTHXR|5.024000||p
aTHX_|5.006000||p
aTHX|5.006000||p
add_above_Latin1_folds|||
add_ep_to_invlist|||
add_data|||
add_multi_match|||
add_utf16_textfilter|||
adjust_size_and_find_bucket|||
advance_one_LB|||
advance_one_SB|||
advance_one_WB|||
alloc_maybe_populate_EXACT|||
alloccopstash|||
allocmy|||
amagic_call|||
amagic_cmp_locale|||
amagic_cmp|||
amagic_deref_call|5.013007|
amagic_incmp|||
amagic_is_enabled|||
amagic_ncmp|||
anonymise_cv_maybe|||
any_dup|||
ao|||
append_utf8_from_native_byte|5.019004|n
apply_attrs_my|||
apply_attrs_string|5.006001|
apply_attrs|||
apply|||
assert_utf8_cache_coherent|||
assignment_type|||
atfork_lock|5.007003|n
atfork_unlock|5.007003|n
av_arylen_p|5.009003|
av_clear|||
av_create_and_push|5.009005|
av_create_and_unshift_one|5.009005|
av_delete|5.006000|
av_exists|5.006000|
av_extend_guts|||
av_extend|||
av_fetch|||
av_fill|||
av_iter_p|5.011000|
av_len|||
av_make
av_pop
av_push
av_reify
av_shift
av_store
av_tindex
av_top_index
av_undef
av_unshift
ax
backup_one_LB
backup_one_SB
backup_one_WB
bad_type_gv
bad_type_pv
bind_match
block_end
block_gimme
block_start
blockhook_register
boolSV
boot_core_PerlIO
boot_core_UNIVERSAL
boot_core_mro
bytes_cmp_utf8
bytes_from_utf8
bytes_to_utf8
cBOOL
call_argv
call_atexit
call_list
call_method
call_pv
call_sv
caller_cx
calloc
cando
cast_i32
cast_iv
cast_ulong
cast_uv
check_locale_boundary_crossing
check_type_and_open
check_uni
check_utf8_print
ckWARN
cx_pushwhen\|5.023008\|
cx_topblock\|5.023008\
cxinc\|\|dAXMARK\|5.009003\|p
dAX\|5.007002\|p
dITEMS\|5.007002\|p
dMARK\|dMULTICALL\|5.009003\|
dMY_CXT_SV\|5.007003\|p
dMY_CXT\|5.007003\|p
dNOOP\|5.006000\|p
dORIGMARK\|dSP\|dTHR\|5.004050\|p
dTHXR\|5.024000\|p
dTHXa\|5.006000\|p
dTHXoa\|5.006000\|p
dTHX\|5.006000\|p
dUNDERBAR\|5.009002\|p
dVAR\|5.009003\|p
dxCTX\|5.009002\|p
dXSARGS\|dXI32\|
dxSTAR\|5.006000\|p
deb_curcv\|\|deb_nocontext\|\|vn
deb_stack_all\|\|deb_stack_n\|\|debop\|5.005000\|debprofdump\|5.005000\|debprof\|debstackptrs\|5.007003\|debstack\|5.007003\|debug_start_match\|\|deb\|5.007003\|v
defelem_target\|\|
del_sv\|delete_eval_scope\|\|
delimcpy\|5.004000\|n
deprecate_commaless_var_list\|\|despatch_signals\|5.007001\|destroy_matcher\|\|die_nocontext\|\|vn
die\|5.013001\|die_unwind\|\|dieln\|v
dirp_dup\|\|div128\|
djSP|||
do_aexec5|||
do_aexec|||
do_aspawn|||
do_binmode|5.004050|
do_chomp|||
do_close|||
do_delete_local|||
do_dump_pad|||
do_eof|||
do_exec3|||
do_execfree|||
do_exec|||
do_gv_dump|5.006000|
do_gvgv_dump|5.006000|
do_hv_dump|5.006000|
do_ipcctl|||
do_ipcget|||
do_join|||
do_magic_dump|5.006000|
do_msgrcv|||
do_msgsnd|||
doncmp|||
do_oddball|||
do_op_dump|5.006000|
do_open6|||
do_open9|5.006000|
do_open_raw|||
do_openn|5.007001|
do_open|5.003070|
do_pmop_dump|5.006000|
do_print|||
do_readline|||
do_seek|||
do_semop|||
do_shmio|||
do_smartmatch|||
do_spawn_nowait|||
do_spawn|||
do_sprintf|||
do_sv_dump|5.006000|
do_sysseek|||
do_tell|||
do_trans_complex_utf8|||
do_trans_complex|||
do_trans_count_utf8|||
do_trans_count|||
do_trans_simple_utf8|||
<table>
<thead>
<tr>
<th>Function</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>edit_distance</td>
<td>5.006000</td>
</tr>
<tr>
<td>emulate_cop_io</td>
<td></td>
</tr>
<tr>
<td>eval_pv</td>
<td></td>
</tr>
<tr>
<td>eval_sv</td>
<td></td>
</tr>
<tr>
<td>exec_failed</td>
<td></td>
</tr>
<tr>
<td>expect_number</td>
<td></td>
</tr>
<tr>
<td>fbm_compile</td>
<td></td>
</tr>
<tr>
<td>fbm_instr</td>
<td></td>
</tr>
<tr>
<td>feature_is_enabled</td>
<td></td>
</tr>
<tr>
<td>filter_add</td>
<td></td>
</tr>
<tr>
<td>filter_del</td>
<td></td>
</tr>
<tr>
<td>filter_gets</td>
<td></td>
</tr>
<tr>
<td>filter_read</td>
<td></td>
</tr>
<tr>
<td>finalize_optree</td>
<td></td>
</tr>
<tr>
<td>finalize_op</td>
<td></td>
</tr>
<tr>
<td>find_and_forget_pmops</td>
<td></td>
</tr>
<tr>
<td>find_array_subscript</td>
<td></td>
</tr>
<tr>
<td>find_beginning</td>
<td></td>
</tr>
<tr>
<td>find_byclass</td>
<td></td>
</tr>
<tr>
<td>find_default_stash</td>
<td></td>
</tr>
<tr>
<td>find_hash_subscript</td>
<td></td>
</tr>
<tr>
<td>find_in_my_stash</td>
<td></td>
</tr>
<tr>
<td>find_lexical_cv</td>
<td></td>
</tr>
<tr>
<td>find_runcv</td>
<td></td>
</tr>
<tr>
<td>find_runcv_where</td>
<td></td>
</tr>
<tr>
<td>find_script</td>
<td></td>
</tr>
<tr>
<td>find_uninit_var</td>
<td></td>
</tr>
<tr>
<td>first_symbol</td>
<td></td>
</tr>
<tr>
<td>fixup_errno_string</td>
<td></td>
</tr>
<tr>
<td>foldEQ_latin1</td>
<td></td>
</tr>
<tr>
<td>foldEQ_locale</td>
<td></td>
</tr>
<tr>
<td>foldEQ_utf8_flags</td>
<td></td>
</tr>
<tr>
<td>foldEQ_utf8</td>
<td></td>
</tr>
<tr>
<td>foldEQ</td>
<td></td>
</tr>
<tr>
<td>forbid_setid</td>
<td></td>
</tr>
<tr>
<td>force_ident_maybe_lex</td>
<td></td>
</tr>
<tr>
<td>force_ident</td>
<td></td>
</tr>
<tr>
<td>force_list</td>
<td></td>
</tr>
<tr>
<td>force_next</td>
<td></td>
</tr>
<tr>
<td>force_strict_version</td>
<td></td>
</tr>
<tr>
<td>force_version</td>
<td></td>
</tr>
<tr>
<td>force_word</td>
<td></td>
</tr>
<tr>
<td>forget_pmop</td>
<td></td>
</tr>
<tr>
<td>form_nocontext</td>
<td></td>
</tr>
<tr>
<td>form_short_octal_warning</td>
<td></td>
</tr>
</tbody>
</table>
form\|5.004000\|v
fp\_dup\|
fprintf\_nocontext\|\|v\nfree\_c\_backtrace\|
free\_global\_struct\|
free\_tied\_hv\_pool\|
free\_tmps\|
gen\_constant\_list\|
get\_ANYOF\_cp\_list\_for\_ssc\|
get\_and\_check\_backslash\_N\_name\|
get\_aux\_mg\|
get\_av\|5.006000\|p
get\_c\_backtrace\_dump\|
get\_c\_backtrace\|
get\_context\|5.006000\|n
get\_cvn\_flags\|
get\_cvs\|5.011000\|p
get\_cv\|5.006000\|p
get\_db\_sub\|
get\_debug\_opts\|
get\_hash\_seed\|
get\_hv\|5.006000\|p
get\_invlist\_iter\_addr\|n
get\_invlist\_offset\_addr\|n
get\_invlist\_previous\_index\_addr\|n
get\_mstats\|
get\_no\_modify\|
get\_num\|
get\_op\_descs\|5.005000|
get\_op\_names\|5.005000|
get\_opargs\|
get\_ppaddr\|5.006000|
get\_re\_arg\|
get\_sv\|5.006000\|p
get\_vtbl\|5.005030|
getcwd\_sv\|5.007002|
getenv\_len\|
glob\_2number\|
glob\_assign\_glob\|
gp\_dup\|
gp\_free\|
gp\_ref\|
grok\_atoUV\|n
grok\_bin\|5.007003\|p
grok\_bslash\_N\|
grok\_bslash\_c\|
grok\_bslash\_o\|
grok\_bslash\_x\|
gv_init_svtype
 gv_init_sv[5.015004]
 gv_init
 gv_is_in_main
 gv_magicalize_isa
 gv_magicalize
 gv_name_set[5.009004]
 gv_override
 gv_setref
 gv_stashpvn_internal
 gv_stashpvn[5.003070][p
 gv_stashpvs[5.009003][p
 gv_stashpv
 gv_stashsvpvn_cached
 gv_stashsv
 gv_try_downgrade
 handle_named_backref
 handle_possible_posix
 handle_regex_sets
 he_dup
 hek_dup
 hfree_next_entry
 hfreeentries
 hsplit
 hv_assert
 hv_auxinit_internal[n
 hv_auxinit
 hv_backreferences_p
 hv_clear_placeholders[5.009001]
 hv_clear
 hv_common_key_len[5.010000]
 hv_common[5.010000]
 hv_copy_hints_hv[5.009004]
 hv_delayfree_ent[5.004000]
 hv_delete_common
 hv_delete_ent[5.003070]
 hv_delete
 hv_eiter_p[5.009003]
 hv_eiter_set[5.009003]
 hv_ename_add
 hv_ename_delete
 hv_exists_ent[5.003070]
 hv_exists
 hv_fetch_ent[5.003070]
 hv_fetchs[5.009003][p
 hv_fetch
 hv_fill[5.013002]
 hv_free_ent_ret
init_stacks
init_tm
inplace_aassign
instr
intro_my
intuit_method
intuit_more
invert
invlist_array
invlist_clear
invlist_clone
invlist_contents
invlist_extend
invlist_highest
invlist_is_iterating
invlist_iterfinish
invlist ITERINIT
invlist_iternext
invlist_max
invlist_previous_index
invlist_replace_list_destroys_src
invlist_set_len
invlist_set_previous_index
invlist_trim
invoke_exception_hook
io_close
isALNUMC
isALNUM_lazy
isALPHANUMERIC
isALPHA
isASCII
isBLANK
isCNTRL
isDIGIT
isFOO_lc
isFOO_utf8_lc
isGCB
isGRAPH
isIDCONT
isIDFIRST_lazy
isIDFIRST
isLB
isLOWER
isOCTAL
isPRINT
isPSXSPC
isPUNCT
isSB
listkids||
list||
load_module_nocontext||
load_module|5.006000||pv
localize||
looks_like_bool||
looks_like_number||
lop||
mPUSH|5.0090002||p
mPUSHn|5.0090002||p
mPUSHp|5.0090002||p
mPUSHs|5.0100001||p
mPUSHu|5.0090002||p
mXPUSH|5.0090002||p
mXPUSHn|5.0090002||p
mXPUSHp|5.0090002||p
mXPUSHs|5.0100001||p
mXPUSHu|5.0090002||p
magic_clear_all_env||
magic_cleararylen_p||
magic_clearenv||
magic_clearhints||
magic_clearhint||
magic_clearisa||
magic_clearpack||
magic_clearsig||
magic_copycallchecker||
magic_dump|5.006000|
magic_existspack||
magic_freearylen_p||
magic_freeovrd||
magic_getarylen||
magic_getdebugvar||
magic_getdefelem||
magic_getnkeys||
magic_getpack||
magic_getpos||
magic_getsig||
magic_getsubstr||
magic_gettaint||
magic_getuvar||
magic_getvec||
magic_get||
magic_killbackrefs||
magic_methcall1||
magic_methcall||
magic_methpack||
magic_nextpack||
my_bytes_to_utf8
my_bzero
my_chsize
my_clearenv
my_ctxt_index
my_ctxt_init
my_dirfd[5.009005]
my_exit_jump
my_exit
my_failure_exit[5.004000]
my_fflush_all[5.006000]
my_fork[5.007003]
my_id
my_lstat_flags
my_lstat[5.024000]
my_memcmp
my_memset
my_pclose[5.003070]
my_popen_list[5.007001]
my_popen[5.003070]
my_setenv
my_setlocale
my_snprintf[5.009004]
my_socketpair[5.007003]
my_sprintf[5.009003]
my_stat_flags
my_stat[5.024000]
my_strerror
my_strftime
my_strlcat[5.009004]
my_strlcpy[5.009004]
my_unexec
my_vsnprintf[5.009004]
need_utf8
newANONATTRSUB[5.006000]
newANONHASH
newANONLIST
newANONSUB
newASSIGNOP
newATTRSUB_x
newATTRSUB[5.006000]
newAVREF
newAV
newBINOP
newCONDOP
newCONTSUB_flags[5.015006]
newCONTSUB[5.004050]
newCVREF
op_append_list[5.013006]
op_clear||
op_contextualize[5.013006]
op_convert_list[5.021006]
op_dump[5.006000]
op_free||
op_integerize||
op_linklist[5.013006]
op_lvalue_flags||
op_lvalue[5.013007]
op_null[5.007002]
op_parent||
op_prepend_elem[5.013006]
op_refcnt_dec||
op_refcnt_inc||
op_refcnt_lock[5.009002]
op_refcnt_unlock[5.009002]
op_relocate_sv||
op_scope[5.013007]
op_sibling_splice[5.021002]n
op_std_init||
op_unscope||
opn_script||
opn_cleanup||
opn_setup||
opmethod_stash||
opslab_force_free||
opslab_free_nopad||
opslab_free||
output_or_return_posix_warnings||
pMY_CXT_[5.007003]|p
pMY_CXT]5.007003]|p
pTHX_[5.006000]|p
pTHX]5.006000]|p
packWARN[5.007003]|p
pack_cat[5.007003]
pack_rec||
package_version||
package||
packlist[5.008001]
pad_add_anon[5.008001]
pad_add_name_pvn[5.015001]
pad_add_name_pvs[5.015001]
pad_add_name_pv[5.015001]
pad_add_name_sv[5.015001]
pad_add_weakref||
pad_alloc_name||
pad_alloc||
pad_block_start||
pad_check_dup||
pad_compname_type[5.009003]
pad_findlex||
pad_findmy_pvn[5.015001]
pad_findmy_pvs[5.015001]
pad_findmy_pv[5.015001]
pad_findmy_sv[5.015001]
pad_fixup_inner_anons||
pad_free||
pad_leavemy||
pad_new[5.008001]
pad_push||
pad_reset||
pad_setsv||
pad_sv||
pad_swipe||
pad_tidy[5.008001]
padlist_dup||
padlist_store||
padname_dup||
padname_free||
padnamelist_dup||
padnamelist_fetch[5.021007]
padnamelist_free||
padnamelist_store[5.021007]
parse_arithexpr[5.013008]
parse_barestmt[5.013007]
parse_block[5.013007]
parse_body||
parse_fulllexpr[5.013008]
parse_fullstmt[5.013005]
parse_gv_stash_name||
parse_ident||
parse_label[5.013007]
parse_listexpr[5.013008]
parse_lparen_question_flags||
parse_stmtseq[5.013006]
parse_subsignature||
parse_termexpr[5.013008]
parse_unicode_opts||
parser_dup||
parser_free_nexttoke_ops||
parser_free||
path_is_searchable||
peep||
pending_ident||
perl_alloc_using||

perl_alloc
perl_clone_using||
perl_clone||
perl_construct||
perl_destruct[5.007003]n
perl_free||
perl_parse[5.006000]n
perl_run||
pidgone||
pm_description||
pmop_dump[5.006000]
pmruntime||
pmtrans||
pop_scope||
populate_ANYOF_from_invlist||
populate_isa||
pregcomp[5.009005]
pregexec||
pregfree2[5.011000]
pregfree||
prescan_version[5.011004]
printbuf||
printf_nocontext||
process_special_blocks||
ptr_hash||
ptr_table_clear[5.009005]
ptr_table_fetch[5.009005]
ptr_table_find||
ptr_table_free[5.009005]
ptr_table_new[5.009005]
ptr_table_split[5.009005]
ptr_table_store[5.009005]
push_scope||
put_charclass_bitmap_innards_common||
put_charclass_bitmap_innards_invlist||
put_charclass_bitmap_innards||
put_code_point||
put_range||
pv_display[5.006000]p
pv_escape[5.009004]p
pv_pretty[5.009004]p
pv_uni_display[5.007003]
qerror||
qsortsvu||
quadmath_format_needed||
quadmath_format_single||
re_compile[5.009005]
re_croak2||
re_dup_guts||
re_exec_indentf||v
re_indentf||v
re_intuit_start||5.019001|
re_intuit_string||5.006000|
re_op_compile||
re_printf||v
realloc||5.007002|n
reentrant_free||5.024000|
reentrant_init||5.024000|
reentrant_retry||5.024000|vn
reentrant_size||5.024000|
ref_array_or_hash||
refcounted_he_chain_2hv||
refcounted_he_fetch_pvn||
refcounted_he_fetch_pvs||
refcounted_he_fetch_pv||
refcounted_he_fetch_sv||
refcounted_he_free||
refcounted_he_inc||
refcounted_he_new_pvn||
refcounted_he_new_pvs||
refcounted_he_new_pv||
refcounted_he_new_sv||
refcounted_he_value||
reffids||
refto||
ref||5.024000|
reg2Lanode||
reg_check_named_buff_matched||n
reg_named_buff_all||5.009005|
reg_named_buff_exists||5.009005|
reg_named_buff_fetch||5.009005|
reg_named_buff_firstkey||5.009005|
reg_named_buff_iter||
reg_named_buff_nextkey||5.009005|
reg_named_buff_scalar||5.009005|
reg_named_buff||
reg_node||
reg_numbered_buff_fetch||
reg_numbered_buff_length||
reg_numbered_buff_store||
reg_qr_package||
reg_recode||
reg_scan_name||
reg_skipcomment||n
reg_temp_copy||
reganode||
rv2cv_op_cv||5.013006|
rvpv_dup|||
rxres_free|||
rxres_restore|||
rxres_save|||  
safesyscalloc||5.006000|n
safesysfree||5.006000|n
safesysmalloc||5.006000|n
safesysrealloc||5.006000|n
same_dirent|||
save_116||5.004000|
save_132|| |
save_18||5.006000|
save_adelete||5.011000|
save_aelem_flags||5.011000|
save_aelem||5.004050|
save_alloc||5.006000|
save_aptr|||
save_ary|||
save_boo||5.008001|
save_clearsv|||
save_delete||
save_destructor_x||5.006000|
save_destructor||5.006000|
save_freeop|||
save_freenpv|||
save_freesv|||
save_generic_pvref||5.006001|
save_generic_svref||5.005030|
save_gp||5.004000|
save_hash|||
save_hdelete||5.011000|
save_hek_flags|||n
save_helem_flags||5.011000|
save_helem||5.004050|
save_hints||5.010001|
save_hpstr|||
save_int|||
save_item|||
save_iv||5.005000|
save_lines|||
save_list|||
save_long|||
save_magic_flags|||
save_mortalizesv||5.007001|
save_nogv|||
save_op||5.005000|
save_pads_and_mortalize||5.010001|
scan_word
search_const
seed[5,008,001]
sequence_num
set_ANYOF_arg
set_caret_X
set_context[5,006,000]
set_numeric_local[5,006,000]
set_numeric_radix[5,006,000]
set_numeric_standard[5,006,000]
set_padlist[n]
setdefout
share_hek_flags
share_hek[5,004,000]
should_warn_nil
si_dup
sighandler
simplify_sort
skip_to_be_ignored_text
skipspace_flags
softref2xy
sortcv_stacked
sortcv_xsub
sortcv
sortsv_flags[5,009,003]
sortsv[5,007,003]
space_join_names_mortal
ss_dup
ssc_add_range
ssc_and
ssc_anything
ssc_clear_locale
ssc_cp_and
ssc_finalize
ssc_init
ssc_intersection
ssc_is_anything
ssc_is_cp_posix1_init
ssc_or
ssc_union
stack_grow
start_glob
start_subparse[5,004,000]
stdize_locale
strEQ
strGE
strGT
strLE
strLT||
strNE||
str_to_version||5.006000|
strip_return|||
strnEQ|||
 study_chunk||
sub_crush_depth||
sublex_done||
sublex_push||
sublex_start||
sv_2bool_flags||5.013006|
sv_2bool|||
sv_2cv|||
sv_2io|||
sv_2iuv_common||
sv_2iuv_non_p[...]
sv_2iv_flags||5.009001|
sv_2iv|||
sv_2mortal|||
sv_2num|||
sv_2nv_flags||5.013001|
sv_2pv_flags||5.007002||p
sv_2pv_nolen||5.006000||p
sv_2pvbyte_nolen||5.006000||p
sv_2pvbyte||5.006000||p
sv_2pvutf8_nolen||5.006000|
sv_2pvutf8||5.006000|
sv_2pv|||
sv_2uv_flags||5.009001|
sv_2uv||5.004000||p
sv_add_arena||
sv_add_backref||
sv_addoff||n
sv_bless|||
sv_cat_decode||5.008001|
sv_catpv_flags||5.013006|
sv_catpv_mg||5.004050||p
sv_catpv_nomg||5.013006|
sv_catpvf_mg_nocontext||pvn
sv_catpvf_mg||5.006000||5.004000||pv
sv_catpvf_nocontext||vn
sv_catpvf||5.004000||v
sv_catpvn_flags||5.007002|
sv_catpvn_flags||5.004050||p
sv_catpvn_nomg||5.007002||p
sv_putf8nl[5.006000]
sv_putf8l[5.006000]
sv_pv[5.006000]
sv_recode_to_utf8[5.007003]
sv_reftype[]
sv_refl[5.015004]
sv_replace[]
sv_report_used[]
sv_resettvnl[]
sv_rvweaken[5.006000]
sv_sethek[]
sv_setiv_mglm[5.004050]l
sv_setiv[]
sv_setnv_mglm[5.006000]l
sv_setnv[]
sv_setpv_mglm[5.004050]l
sv_setpvf_mglm_nocontext[l]v
sv_setpvf_mglm[5.006000]l[5.004000]pv
sv_setpvf_nocontext[v]
v
sv_setpv[]
l
sv_setpvn_mglm[5.004050]l
sv_setpvn[]
sv_setpvs_mglm[5.013006]
sv_setpvs[5.009004]l
sv_setpv[]
sv_setref_iv[]
sv_setref_nv[]
sv_setref_pvn[]
sv_setref_pvs[5.024000]
sv_setref_pv[]
sv_setref_uv[5.007001]
sv_setsv_cowl[]
sv_setsv_flags[5.007002]
sv_setsv_mgl[5.004050]l
sv_setsv_nomgl[5.007002]l
sv_setsv[]
sv_setuv_mgl[5.004050]l
sv_setuv[5.004000]l
sv_tainted[5.004000]
sv_taint[5.004000]
sv_truel[5.005000]
sv_unglob[]
sv_unidisplay[5.007003]
sv_unmagicext[5.013008]l
sv_unmagic[]
sv_unref_flags
sv_unref
sv_untaint
sv_upgrade
sv_usepvn_flags
sv_usepvn
sv_utf8_decode
sv_utf8_downgrade
sv_utf8_encode
sv_utf8_upgrade
sv_utf8_upgrade_flags
sv_utf8_upgrade_flags_grow
sv_utf8_upgrade_nomg
sv_utf8_upgrade
sv_uv
sv_vcatpvfn
sv_vcatpvfn_flags
sv_vcatpvfn
sv_vsetpvfn
sv_vsetpvf
sv_vsetpvf_mg
svtype
swallow_bom
swash_fetch
swash_init
swash_scan_list_line
swatch_get
sync_locale
sys_init3
sys_init
sys_intern_clear
sys_intern_dup
sys_intern_init
sys_term
taint_env
taint_proper
tied_method
tmps_grow_p
toFOLD_utf8
toFOLD_uvchr
toFOLD
toLOWER_L1
toLOWER_LC
toLOWER_utf8
toLOWER_uvchr
toLOWER
toTITLE_utf8
toTITLE_uvchr[5.023009]
toTITLE[5.019001]
toUPPER_utf8[5.015007]
toUPPER_uvchr[5.023009]
toUPPER

to_byte_substr||
to_lower_latin1||
to_uni_fold[5.007003]
to_uni_lower_lc[5.006000]
to_uni_lower[5.007003]
to_uni_title_lc[5.006000]
to_uni_title[5.007003]
to_uni_upper_lc[5.006000]
to_uni_upper[5.007003]
to_utf8_case[5.007003]
to_utf8_fold[5.015007]
to_utf8_lower[5.015007]
to_utf8_substr||
to_utf8_title[5.015007]
to_utf8_upper[5.015007]
tokenize_use||
tokeq||
tokereport||
too_few_arguments_pv||
too_many_arguments_pv||
translate_substr_offsets||
try_amagic_bin||
try_amagic_us||
üiv_2buf||
unlock||
unpack_rec||
unpack_str[5.007003]
unpackstring[5.008001]
unreferenced_to_tmp_stack||
unshare_hek_or_pvn||
unshare_hek||
unsharepvn[5.003070]
unwind_handler_stack||
update_debugger_info||
upg_version[5.009005]
usage||
utf16_textfilter||
utf16_to_utf8_reversed[5.006001]
utf16_to_utf8[5.006001]
utf8_distance[5.006000]
utf8_hop[5.006000]
utf8_length[5.007001]
utf8_mg_len_cache_update||
with_queued_errors||
wrap_op_checker][5.015008]
write_to_stderr||
xs_boot_epilog||
xshandshake]|vn
xs_version_bootcheck||
yyerror_pvn||
yyerror_pv||
yyerror||
yylex||
yyparse||
yyunlex||
yywarn||
);

if (exists $opt{'list-unsupported'}) {
  my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
    next unless $API{$f}{todo};
    print "$f ", ":(40-length($f)), ",", format_version($API{$f}{todo}), ",un";
  }
exit 0;
}

# Scan for possible replacement candidates

my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;
my($hint, $define, $function);

sub find_api
{
  my $code = shift;
  $code =~ s{
   / (?: \*[^*]*\*+(?:[^$ccs]\[^*]*\*+)* / | \[^
]/*)| "[^"\]*(?:\\.[^"\]*)*" | '([^\\]*(?:\\[^\\]*)*)' }{}egsx;
grep { exists $API{$_} } $code =~ /\w+/mg;
}

while (<DATA>) {
  if (Shint) {
    my Sh = $hint->[0] eq 'Hint' ? \%hints : \%warnings;
    if (m{\^s*\^s*(.*)s*\$}) {
      for (@ {Shint->[1]}) {
        $h-> {$_} ||= ""; # suppress warning with older perls
        $h-> {$_} = "$\n";
      }
    }
  }
}
$hint = [$1, [split /,\s+/, $2]]
  if m{^\s*$rcce\s+(Hint|Warning):\s+\((\w+:.*\w+)+\)\s+.*$};

if ($define) {
  if ($define->[1] =~ /\$/) {
    $define->[1] = \$_;
  } else {
    if (exists $API{$define->[0]} && $define->[1] !~ /^DPPP\s+\$/) {
      my @n = find_api($define->[1]);
      push @{$depends{$define->[0]}}, @n if @n
    }
    undef $define;
  }
}

$define = [$1, $2] if m{^\s*\$define\s+\((\w+:.*\w+)+\)\s+.*$};

if ($function) {
  if (/\$/) {
    if (exists $API{$function->[0]} && $function->[1] !~ /^DPPP\s+\$/) {
      my @n = find_api($function->[1]);
      push @{$depends{$function->[0]}}, @n if @n
    }
    undef $function;
  } else {
    $function->[1] .= \$_;
  }
}

$function = [$1, "$"] if m{^DPPP_\(my_\((\w+)\)\)$};

$replace = $1 if m{^\s*$rcce\s+Replace:\s+(\d+)\s+.*$};
$replace{$2} = $1 if $replace and m{^\s*\$define\s+\((\w+:.*\w+)+\)\s+.*$};
$replace{$1} = $2 if m{^\s*$rcce\s+Replace \((\w+)\) with (\w+)\s+.*$};

if (m{^\s*$rcce\s+depends\s+on\s+\((\w+:.*\w+)+\)\s+.*$}) {
  my @deps = map { s/\s+/\s+; \$_ } split /, $3;
  my $s;
  for $s (map { s/\s+//g; \$_ } split /, $1) {
    push @{$depends{$s}}, @deps;
  }
}

Open Source Used In CSPC_Collector 2.9.1 7240
$need{s1} = 1 if m{^[^if\s+defined\( NEED_(\w+)(?:_GLOBAL)? \)\];

for (values %depends) {
  my %s;
  $$_ = [sort grep !$s{$_}++, @$_];
}

if (exists $opt{'api-info'}) {
  my $f;
  my $count = 0;
  my $match = $opt{'api-info'} =~ m!^/(.*)/$! ? $1 : "\Q$opt\{'api-info'\}\E";
  for $f (sort { lc $a cmp lc $b } keys %API) {
    next unless $f =~ /$match/;
    print "\n=== $f ===\n
";
    my $info = 0;
    if ($API{$f}{base} || $API{$f}{todo}) {
      my $base = format_version($API{$f}{base} || $API{$f}{todo});
      print "Supported at least starting from perl-$base:\n";
      $info++;
    }
    if ($API{$f}{provided}) {
      my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";
      print "Support by $ppport provided back to perl-$todo:\n";
      print "Depends on: ", join(’,’ , @{$depends{[$f]}}), "\n" if exists $depends{[$f]};
      print "\nHints: \n\n" if exists $hints{[$f]};
      print "\n\n\nWARNING:\n\nWarnings: \n\n" if exists $warnings{[$f]};
      $info++;
    }
    print "\nNo portability information available:\n" unless $info;
    $count++;
  }$
  $count or print "Found no API matching \$opt\{'api-info'\}'.";
  print "\n";
  exit 0;
}

if (exists $opt{'list-provided'}) {
  my $f;
  for $f (sort { lc $a cmp lc $b } keys %API) {
    next unless $API{$f}{provided};
    my @flags;
    push @flags, 'explicit' if exists $need{[$f]};
    push @flags, 'depend'   if exists $depends{[$f]};
    push @flags, 'hint'     if exists $hints{[$f]};
my \@flags;  
my $flags = \@flags ? \[
    join(',', \@flags) \]; :
  
print "$flags\n";
exit 0;
}

if (\@ARGV) {
my %seen;
for (\@ARGV) {
  if (-e) {
    if (-f) {
      push \@files, \\_ unless $seen{\\_}++;
    }
    else { warn "$\\_ is not a file.\n" }
  }
  else {
    my \@new = grep { -f } glob \\
      or warn "\\_' does not exist.\n";
    push \@files, grep { !$seen{\\_}++ } \@new;
  }
  
  if (!\@ARGV || \@opt{filter}) {
    my (\@in, \@out);
    my %xsc = map { /(.*)\.xs$/ ? ($1.c" => 1, "$1.cc" => 1) : () } \@files;
    for (\@files) {
      my $out = exists $xsc{\\_} || /Ab\Q$ppport\E$/ || !($srcext)$i;
      push @\{ $out ? \@out : \@in \}, \\
    }
  }
  
if (!\@ARGV || \$opt{filter}) {
  my(\@in, \@out);
  my %xsc = map { /(.*).xs$/ ? ($1.c" => 1, "$1.cc" => 1) : () } \@files;
  for (\@files) {
    my $out = exists $xsc{\\_} || Ab\Q$ppport\E$/ || !($srcext)$i;
    push @\{ $out ? \@out : \@in \}, \\
  }
warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
}
@files = @in;
}
die "No input files given!\n" unless @files;
my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;
for $filename (@files) {
unless (open IN, "<$filename") {
warn "Unable to read from $filename: $!\n";
next;
}
info("Scanning $filename ...");
my $c = do { local $/; <IN> };
close IN;
my %file = (orig => $c, changes => 0);
# Temporarily remove C/XS comments and strings from the code
my @ccom;
$c =~ s{
( ^$HS*\#$HS*include\b[^\r\n]+\b(?:\Q$ppport\E|XSUB\.h)\b[^\r\n]*
| ^$HS*\#$HS*(?:define|elif|if(?:def)?)\b[^\r\n]* )
| ( ^$HS*\#[^\r\n]*
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^'\\]*(?:\\.[^'\\]*)*'
| / (?: \*[^*]*\*+(?:[^$ccs][^*]*\*+)* / | /[^\r\n]* ) )
}{ defined $2 and push @ccom, $2;
defined $1 ? $1 : "$ccs$#ccom$cce" }mgsex;
$file{ccom} = \@ccom;
$file{code} = $c;
$file{has_inc_ppport} = $c =~ /^$HS*#$HS*include[^\r\n]+\b\Q$ppport\E\b/m;
my $func;
for $func (keys %API) {
my $match = $func;
$match .= "|$revreplace{$func}" if exists $revreplace{$func};
if ($c =~ /\b(?:Perl_)?($match)\b/) {

Open Source Used In CSPC_Collector 2.9.1 7243


$file{uses_replace}{$1}++ if exists $revreplace{$func} && $1 eq $revreplace{$func};
$file{uses_Perl}{$func}++ if $c =~ /\bPerl_$func\b/;
if (exists $API{$func}{provided}) {
$file{uses_provided}{$func}++;
if (!exists $API{$func}{base} || $API{$func}{base} > $opt{'compat-version'}) {
$file{uses}{$func}++;
my @deps = rec_depend($func);
if (@deps) {
$file{uses_deps}{$func} = \@deps;
for (@deps) {
$file{uses}{$_} = 0 unless exists $file{uses}{$_};
}
}
for ($func, @deps) {
$file{needs}{$_} = 'static' if exists $need{$_};
}
}
}
if (exists $API{$func}{todo} && $API{$func}{todo} > $opt{'compat-version'}) {
if ($c =~ /\b$func\b/) {
$file{uses_todo}{$func}++;
}
}
}
}
while ($c =~ /^$HS*#$HS*define$HS+(NEED_(\w+?)(_GLOBAL)?)\b/mg) {
if (exists $need{$2}) {
$file{defined $3 ? 'needed_global' : 'needed_static'}{$2}++;
}
else { warning("Possibly wrong #define $1 in $filename") }
}
for (qw(uses needs uses_todo needed_global needed_static)) {
for $func (keys %{$file{$_}}) {
push @{$global{$_}{$func}}, $filename;
}
}
$files{$filename} = \%file;
}
# Globally resolve NEED_'s
my $need;
for $need (keys %{$global{needs}}) {
if (@{$global{needs}{$need}} > 1) {
my @targets = @{$global{needs}{$need}};
my @t = grep $files{$_}{needed_global}{$need}, @targets;

Open Source Used In CSPC_Collector 2.9.1 7244


@targets = @t if @t;
@t = grep /\.xs$/i, @targets;
@targets = @t if @t;
my $target = shift @targets;
$files{$target}{needs}{$need} = 'global';
for (@{$global{needs}{$need}}) {
    $files{$_}{needs}{$need} = 'extern' if $_ ne $target;
}
}
}

for $filename (@files) {
    exists $files{$filename} or next;

    info("=== Analyzing $filename ===");

    my %file = %{$files{$filename}};
    my $func;
    my $c = $file{code};
    my $warnings = 0;

    for $func (sort keys %{$file{uses_Perl}}) {
        if ($API{$func}{varargs}) {
            unless ($API{$func}{nothxarg}) {
                my $changes = ($c =~ s{\b(Perl_$func\s\(*\s*(!?aTHX\_?)[^\s])\s*}}{ $1 . ($2 eq ')' ? 'aTHX' : 'aTHX_ ' . $2 }ge);
                if ($changes) {
                    warning("Doesn't pass interpreter argument aTHX to Perl_$func");
                    $file{changes} += $changes;
                }
            } else {
                warning("Uses Perl_$func instead of $func");
                $file{changes} += ($c =~ s{\b$func\s\(*\s*(!?aTHX\_?)[^\s])\s*}{ $func$1\s\(*\s*\}g);
            }
        } else {
            warning("Uses Perl_$func instead of $func");
            $file{changes} += ($c =~ s{\b$func\s\(*\s*(!?aTHX\_?)[^\s])\s*}{ $func$1\s\(*\s*\}g);
        }
    }

    for $func (sort keys %{$file{uses_replace}}) {
        warning("Uses $func instead of $replace{$func}");
        $file{changes} += ($c =~ s{\b$func\s\(*\s*(!?aTHX\_?)[^\s])\s*}{ $replace{$func}$1\s\(*\s*\}g);
    }

    for $func (sort keys %{$file{uses_provided}}) {
        if ($file{uses}{$func}) {
            if (exists $file{uses_deps}{$func}) {
                diag("Uses $func, which depends on ", join(',', @{$file{uses_deps}{$func}}));
            }
        }
    }
}
else {
    diag("Uses $func");
}

$warnings += hint($func);
}

unless ($opt{quiet}) {
    for $func (sort keys %{$file{uses_todo}}) {
        print "*** WARNING: Uses $func, which may not be portable below perl ",
            format_version($API{$func}{todo}), ", even with 'pppport\n";
        $warnings++;
    }
}

for $func (sort keys %{$file{needed_static}}) {
    my $message = ";
    if (not exists $file{uses}{$func}) {
        $message = "$message "No need to define NEED_$func if $func is never used";
    }
    elsif (exists $file{needs}{$func} && $file{needs}{$func} ne 'static') {
        $message = "$message "No need to define NEED_$func when already needed globally";
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_$func\b.*$LF//mg);
    }
}

for $func (sort keys %{$file{needed_global}}) {
    my $message = ";
    if (not exists $global{uses}{$func}) {
        $message = "$message "No need to define NEED_${func}_GLOBAL if $func is never used";
    }
    elsif (exists $file{needs}{$func}) {
        if ($file{needs}{$func} eq 'extern') {
            $message = "$message "No need to define NEED_${func}_GLOBAL when already needed globally";
        }
        elsif ($file{needs}{$func} eq 'static') {
            $message = "$message "No need to define NEED_${func}_GLOBAL when only used in this file";
        }
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_${func}_GLOBAL\b.*$LF//mg);
    }
}
$file{needs_inc_ppport} = keys %$file{uses};

if ($file{needs_inc_ppport}) {
    my $pp = ";

    for $func (sort keys %$file{needs}) {
        my $type = $file{needs}{$func};
        next if $type eq 'extern';
        my $suffix = $type eq 'global' ? '_GLOBAL' : '';
        unless (exists $file{"needed_${type}"}[$func]) {
            if ($type eq 'global') {
                diag("Files "[@{ $global{needs}{$func} }] need $func, adding global request");
            } else {
                diag("File needs $func, adding static request");
            }
            $pp .= "#define NEED_${func}$suffix\n";
        }
    }

    if ($pp && ($c =~ s/^(?=$HS*#$HS*define$HS+NEED_\w+)/$pp/m)) {
        $pp = ";"
        $file{changes}++;
    }

    unless ($file{has_inc_ppport}) {
        diag("Needs to include \'$ppport\'");
        $pp .= qq(#include "$ppport\n")
    }

    if ($pp) {
        $file{changes} += ($c =~ s/^($HS*#$HS*define$HS+NEED_\w+?)/$1$pp/m)
            || ($c =~ s/^($HS*#$HS*include.*XSUB.*\s*?)^/$1$pp/m)
            || ($c =~ s/^/$pp/);
    } else {
        if ($file{has_inc_ppport}) {
            diag("No need to include \'$ppport\'");
            $file{changes} += ($c =~ s/^#/define/#/s?$/SPP/m);
        }
    }

    # put back in our C comments
    my $ix;
    my $cppc = 0;

my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
  if (!$opt{cplusplus} && $ccom[$ix] =~ s!^//!!) {
    $cppc++;
    $file{changes} += $c =~ s/$rccs$ix$rcce/$ccs$ccom[$ix] $cce/;
  } else {
    $c =~ s/$rccs$ix$rcce/$ccom[$ix]/;
  }
}
if ($cppc) {
  my $s = $cppc != 1 ? 's' : ';
  warning("Uses $cppc C++ style comment$s, which is not portable");
}
my $s = $warnings != 1 ? 's' : ';
my $warn = $warnings ? "$warnings warning$s" : "
info("Analysis completed$warn");
if ($file{changes}) {
  if (exists $opt{copy}) {
    my $newfile = "$filename$opt{copy}";
    if (-e $newfile) {
      error("$newfile' already exists, refusing to write copy of '$filename'");
    } else {
      local *F;
      if (open F, ">$newfile") {
        info("Writing copy of '$filename' with changes to '$newfile'");
        print F $c;
        close F;
      } else {
        error("Cannot open '$newfile' for writing: $!");
      }
    }
  } elsif (exists $opt{patch} || $opt{changes}) {
    if (exists $opt{patch}) {
      unless ($patch_opened) {
        if (open PATCH, ">$opt{patch}") {
          $patch_opened = 1;
        } else {
          error("Cannot open '$opt{patch}' for writing: $!");
          delete $opt{patch};
          $opt{changes} = 1;
        }
      }
      if (open PATCH, ">$opt{patch}") {
        $patch_opened = 1;
      } else {
        error("Cannot open '$opt{patch}' for writing: $!");
        delete $opt{patch};
        $opt{changes} = 1;
      }
    } else {
      error("Cannot open '$opt{patch}' for writing: $!");
      delete $opt{patch};
      $opt{changes} = 1;
    }
  }
}
goto fallback;
}
}
mydiff(
*PATCH, $filename, $c);
}
else {
  
  fallback:
    
    info("Suggested changes: ");
    mydiff(
*STDOUT, $filename, $c);
  
    }
}
else {
  
  my $s = $file{changes} == 1 ? ": s;"
  
    info("$file{changes} potentially required change$s detected");
  
    }
}
else {
  
    info("Looks good");
}

  
  close PATCH if $patch_opened;

  
  exit 0;


sub try_use { eval "use @_;"; return $@ eq "");

  
  sub mydiff
    
    { local *F = shift;
      my($file, $str) = @_; my $diff;

        if (exists $opt{diff}) {
            $diff = run_diff($opt{diff}, $file, $str);
        }

        if (!defined $diff and try_use("Text::Diff")) {
            $diff = Text::Diff::diff($file, $str, { STYLE => 'Unified' });
            $diff = <<HEADER . $diff;
--- $file
+++ $file.patched
HEADER
        }

        if (!defined $diff) {
            $diff = run_diff('diff -u', $file, $str);
            --- $file
            +++ $file.patched
            HEAD
        }

        if (!defined $diff) {
            $diff = run_diff('diff -u', $file, $str);
if (!defined $diff) {
    $diff = run_diff('diff', $file, $str);
}

if (!defined $diff) {
    error("Cannot generate a diff. Please install Text::Diff or use --copy.");
    return;
}

print F $diff;
}

sub run_diff {
    my($prog, $file, $str) = @_; # my($prog, $file, $str) = @_;
    my $tmp = 'dppptemp';
    my $suf = 'aaa';
    my $diff = "";
    local *F;

    while (-e "$tmp.$suf") { $suf++ }
    $tmp = "$tmp.$suf";

    if (open F, ">$tmp") {
        print F $str;
        close F;

        if (open F, "$prog $file $tmp |") {
            while (<F>) {
                s/Q$diff/E/$file.patched/;
                $diff .= $_;
        } # close F;
        unlink $tmp;
        return $diff;
    } # if

    unlink $tmp;
}
else {
    error("Cannot open '$tmp' for writing: $!");
}

return undef;
}
sub rec_depend
{
    my($func, $seen) = @_; 
    return () unless exists $depends{$func};
    $seen = {%{$seen}{}};
    return () if $seen->{$func}++;
    my %s;
    grep !$s{$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}}; 
}

sub parse_version
{
    my $ver = shift;
    if ($ver =~ /^\d+.(\d+).(\d+)$/) {
        return ($1, $2, $3);
    }
    elsif ($ver !~ /^\d+\.[\d_]+$/) {
        die "cannot parse version '$ver'\n";
    }
    $ver =~ s/_//g;
    $ver =~ s/$/000000/;
    my($r,$v,$s) = $ver =~ /\d+.(\d{3})(\d{3})/;
    $v = int $v;
    $s = int $s;
    if ($r < 5 || ($r == 5 && $v < 6)) {
        if ($s % 10) {
            die "cannot parse version '$ver'\n";
        }
    }
    return ($r, $v, $s);
}

sub format_version
{
    my $ver = shift;
    $ver =~ s/$/000000/;
    my($r,$v,$s) = $ver =~ /\d+.(\d{3})(\d{3})/;
    $v = int $v;
    $s = int $s;
    if ($r < 5 || ($r == 5 && $v < 6)) {
        if ($s % 10) {
            die "cannot parse version '$ver'\n";
        }
    }
    return ($r, $v, $s);
}
if ($r < 5 || ($r == 5 && $v < 6)) {
    if ($s % 10) {
        die "invalid version '$ver'
    }
    $s /= 10;
    $ver = sprintf "%d.%d.03d", $r, $v;
    $s > 0 and $ver .= sprintf "._%02d", $s;
}

return $ver;
}

return sprintf "%d.%d.%d", $r, $v, $s;
}

sub info
{
    $opt{quiet} and return;
    print @_, "\n";
}

sub diag
{
    $opt{quiet} and return;
    $opt{diag} and print @_, "\n";
}

sub warning
{
    $opt{quiet} and return;
    print "**", @_, "\n";
}

sub error
{
    print "** ERROR: ", @_, "\n";
}

my %given_hints;
my %given_warnings;
sub hint
{
    $opt{quiet} and return;
    my $func = shift;
    my $rv = 0;
    if (exists $warnings{$func} && !$given_warnings{$func}++) {
        my $warn = $warnings{$func};
        $warn =~ s!^!*** !mg;
    }
print "*** WARNING: $func\n", $warn;
$rv++;
}
if ($opt{hints} & & exists $hints{$func} & & !$given_hints{$func}++) {
    my $hint = $hints{$func};
    $hint =~ s/^/   /mg;
    print "   --- hint for $func ---\n", $hint;
}
$rv;
}

sub usage {
    my($usage) = do { local(@ARGV,$/)=($0); <> } =~ /\^=head\d$HS+SYNOPSIS\^\w+\^\w*\^\w+\^\w+/m;
    my %M = ( 'I' => '*' );
    $usage =~ s/\^\w*perl\w+/\S+/X $0/;
    $usage =~ s/\^\w+/\([A-Z]\)<\[^>]+>/S\^\w+/$1/$S\^\w+/$S\^\w+/$S\^\w+/$S\w+/$S/g;

    print <<ENDUSAGE;
Usage: $usage
See perldoc $0 for details.
ENDUSAGE

exit 2;
}

sub strip {
    my $self = do { local(@ARGV,$/)=($0); <> };
    my($copy) = $self =~ /\^=head\d\w+COPYRIGHT\^\w+\w*\^\w+\^\w+/m;
    $copy =~ s/\^\w/\w/+gms;
    $self =~ s/\w*$HS+Do NOT edit.*?(?=^-)/Skip
if ($opt{--unstrip}) {
    my $copy = Do NOT edit.*?(?=^-)/$copy/m;
    my $self = Do NOT edit.*?(?=^-)/$self/m;
    my $copy = Do NOT edit.*?(?=^-)/$copy/m;
    my $self = Do NOT edit.*?(?=^-)/$self/m;
    eval { require Devel::PPPort }; 
    \$@ and die "Cannot require Devel::PPPort, please install.\n";
    if (eval $Devel::PPPort::VERSION < $VERSION) {
        die "$0 was originally generated with Devel::PPPort $VERSION.\n" . "Your Devel::PPPort is only version $Devel::PPPort::VERSION.\n"
        . "Please install a newer version, or --unstrip will not work.\n";
    }
    Devel::PPPort::WriteFile($0);
    exit 0;
}
print <<<END;
Sorry, but this is a stripped version of \$0.

To be able to use its original script and doc functionality, please try to regenerate this file using:

\$^X \$0 --unstrip

END

/\n
my($pl, $c) = $self =~ /(.*\^\_DATA\_).*/ms;
$c = s{
  / (?: ^[^*]*[^\*]+(?:[^\$ccs][^*]+)* / | \[\^\*\] | ( [^"\^\*]+ | "[^"\^\*]*" | '\[^'\^\*]*' | ($HS+) )
  | (\^\n\n)* (?:\^\|[^\^]*\|^\n)* / | (\^\n\n)* (?:\^\|[^\^]*\|^\n)* /}gsex;
$c =~ s!\s+!!mg;
$c =~ s!^\n!!mg;
$c =~ s!\s*#\s*!!mg;
$c =~ s!\s+!!mg;

open OUT, ">$0" or die "cannot strip $0: $!";
print OUT "$pl$c\n";
exit 0;
}

\_DATA_

*/

Found in path(s):
No license file was found, but licenses were detected in source scan.

Time::HiRes module: High resolution time, sleep, and alarm.

Implement usleep, ualarm, and gettimeofday for Perl, as well as wrappers to implement time, sleep, and alarm that know about non-integral seconds.

Note: the tests of this module are by definition time sensitive: under heavy loads the tests may fail. Reasonable relaxed criteria are being used for the tests but sometimes you may still see transient failures.
Rerun the tests (make test) a couple of times, preferably with less load on the testing machine.

Also, older versions of Perl do not support '-nolinenumbers' on the XSUBPP command, however, 5.004_03 requires it (on my box, anyway) since the #line
generating code in XSUBPP appears to have problems with #ifdef'd .xs code. If xsubpp complains about usage when you do a make, look at the top of the Makefile.PL and comment out the "$XSOPT=" line. Or upgrade to a newer version of Perl.

POD documentation is embedded.


Copyright (c) 2002, 2003, 2004, 2005 Jarkko Hietaniemi. All rights reserved.

Copyright (C) 2011, 2012, 2013 Andrew Main (Zefram) <zefram@fysh.org>

All rights reserved. This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):

No license file was found, but licenses were detected in source scan.

---
abstract: 'High resolution alarm, sleep, gettimeofday, interval timers'
author:
- Jarkko Hietaniemi <jhi@iki.fi>
build_requires:
  ExtUtils::MakeMaker: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: Time-HiRes
no_index:
directory:
  - t
  - inc
requires:
  Carp: '0'
  Config: '0'
  Exporter: '0'
  ExtUtils::MakeMaker: '0'
  Test::More: '0'
  XSLoader: '0'
 perl: '5.006'
strict: '0'
version: '1.9758'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):

1.688 jetty-alpn-openjdk8-server
9.4.11.v20180605

1.689 newt 0.52.20 9.el8
1.689.1 Available under license :

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some
specially designated Free Software Foundation software, and to any
other libraries whose authors decide to use it. You can use it for
your libraries, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.
Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must
be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of

MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.690 prefixdevname 0.1.0 6.el8
1.690.1 Available under license :

This is free and unencumbered software released into the public domain.

Anyone is free to copy, modify, publish, use, compile, sell, or distribute this software, either in source code form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means.

In jurisdictions that recognize copyright laws, the author or authors of this software dedicate any and all copyright interest in the software to the public domain. We make this dedication for the benefit of the public at large and to the detriment of our heirs and successors. We intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to this software under copyright law.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
For more information, please refer to <http://unlicense.org/>
Copyright (c) 2016 The humantime Developers

Includes parts of http date with the following copyright:
Copyright (c) 2016 Pyfisch

Includes portions of musl libc with the following copyright:
Copyright 2005-2013 Rich Felker

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2015 The quick-error Developers

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Apache License
Version 2.0, January 2004
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "{}" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright {yyyy} {name of copyright owner}

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
The MIT License (MIT)

Copyright (c) 2015 Andrew Gallant

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
Copyright (c) 2017 Redox OS Developers

MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2015 The rust-unreachable Developers

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

This project is dual-licensed under the Unlicense and MIT licenses.

You may use this code under the terms of either license.
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[" replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

MIT License

Copyright (c) 2018 Michal Sekletr <msekleta@redhat.com>

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
delivered to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all
copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.

The MIT License (MIT)

Copyright (c) 2016 Ticki

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all
copies or substantial portions of the Software.

Copyright (c) 2015-2017 Doug Tangren

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.

Copyright (c) 2016 Ticki

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all
copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.
Copyright (c) 2014 The Rust Project Developers

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2014 Alex Crichton

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR
IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
Copyright (c) 2015 David Cuddeback

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the “Software”), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2010 The Rust Project Developers

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
Copyright (c) 2016 The Rust Project Developers

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2015 The winapi-rs Developers

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM THE SOFTWARE.

The MIT License (MIT)

Copyright (c) 2014 Y. T. CHUNG
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

The following license covers testregex.c and all associated test data.

Permission is hereby granted, free of charge, to any person obtaining a copy of THIS SOFTWARE FILE (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following disclaimer:

THIS SOFTWARE IS PROVIDED BY AT&T "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL AT&T BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

MIT License

Copyright (c) 2017 Redox OS

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIES, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, 
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE 
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER 
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, 
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE 
SOFTWARE.

1.691 activemq-client 5.16.1
1.691.1 Available under license:

ActiveMQ :: Client
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, 
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by 
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all 
other entities that control, are controlled by, or are under common 
control with that entity. For the purposes of this definition, 
"control" means (i) the power, direct or indirect, to cause the 
direction or management of such entity, whether by contract or 
otherwise, or (ii) ownership of fifty percent (50%) or more of the 
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity 
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, 
including but not limited to software source code, documentation 
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
   that You distribute, all copyright, patent, trademark, and
   attribution notices from the Source form of the Work,
   excluding those notices that do not pertain to any part of
   the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "["]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.692 aws-java-sdk-kms 1.11.277

1.692.1 Available under license:

No license file was found, but licenses were detected in source scan.

/ *
* Copyright 2013-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
* *
* Licensed under the Apache License, Version 2.0 (the "License"). You may not use this file except in compliance with
* the License. A copy of the License is located at
* *
* http://aws.amazon.com/apache2.0
* *
* or in the "license" file accompanying this file. This file is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions
* and limitations under the License.
Found in path(s):
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/transform/ImportKeyMaterialRequestMarshaller.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/transform/ListKeysRequestMarshaller.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/GenerateRandomResult.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/InvalidAliasNameException.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/transform/RevokeGrantRequestMarshaller.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/transform/GrantListEntryMarshaller.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/transform/DisableKeyRotationRequestMarshaller.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/EncryptRequest.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/transform/ScheduleDeletionRequestMarshaller.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/UntagResourceResult.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/GenerateRandomRequest.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/transform/ListKeyPoliciesRequestMarshaller.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/transform/RevokeGrantResultJsonUnmarshaller.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/GenerateDataKeyResult.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/transform/GrantConstraintsJsonUnmarshaller.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/transform/DisableKeyRequestMarshaller.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/GenerateDataKeyWithoutPlaintextResult.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/transform/ImportKeyMaterialRequestProtocolMarshaller.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/transform/PutKeyPolicyRequestMarshaller.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/transform/CreateAliasRequestMarshaller.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/RetireGrantResult.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
  jar/com/amazonaws/services/kms/model/AWSKMSAsyncClient.java
* /opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2-
Open Source Used In CSPC_Collector 2.9.1  7296

*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/model/AlgorithmSpec.java
*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/model/DeleteImportedKeyMaterialResult.java
*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/model/CreateAliasResult.java
*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/model/transform/DisableKeyResultJsonUnmarshaller.java
*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/model/KMSInternalException.java
*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/model/KMSInvalidStateException.java
*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/model/transform/GenerateDataKeyRequestMarshaller.java
*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/model/transform/CreateKeyResultJsonUnmarshaller.java
*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/model/DescribeKeyRequest.java
*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/model/KeyListEntry.java
*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/package-info.java
*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/model/transform/CreateKeyResultJsonUnmarshaller.java
*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/model/ListKeysRequest.java
*/opt/cola/permits/1137994025_1614192389.41/0/aws-java-sdk-kms-1-11-277-sources-2.jar/com/amazonaws/services/kms/model/InvalidArnException.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2011-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 *
 * Licensed under the Apache License, Version 2.0 (the "License"). You may not use this file except in compliance with
 * the License. A copy of the License is located at
 *
 * http://aws.amazon.com/apache2.0
1.693 libcap-ng 0.7.9-4.el8
1.693.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with
We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs
(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.694 spring-framework 2.5.1

1.694.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.695 hawtdispatch-transport 1.11

1.696 jaxen 1.1.6

1.696.1 Available under license :

/*
 $Id: LICENSE.txt 1128 2006-02-05 21:49:04Z elharo $

Copyright 2003-2006 The Werken Company. All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Jaxen Project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

*/

1.697 activemq-broker 5.15.14
1.697.1 Available under license :

ActiveMQ :: Broker
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices as part of the Derivative Works; provided

Open Source Used In CSPC_Collector 2.9.1 7324
that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.698 appengine-endpoints 1441928702
1.698.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the 
Licensor for the purpose of discussing and improving the Work, but 
excluding communication that is conspicuously marked or otherwise 
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity 
on behalf of whom a Contribution has been received by Licensor and 
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of 
this License, each Contributor hereby grants to You a perpetual, 
worldwide, non-exclusive, no-charge, royalty-free, irrevocable 
copyright license to reproduce, prepare Derivative Works of, 
publicly display, publicly perform, sublicense, and distribute the 
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of 
this License, each Contributor hereby grants to You a perpetual, 
worldwide, non-exclusive, no-charge, royalty-free, irrevocable 
(except as stated in this section) patent license to make, have made, 
use, offer to sell, sell, import, and otherwise transfer the Work, 
where such license applies only to those patent claims licensable 
by such Contributor that are necessarily infringed by their 
Contribution(s) alone or by combination of their Contribution(s) 
with the Work to which such Contribution(s) was submitted. If You 
institute patent litigation against any entity (including a 
cross-claim or counterclaim in a lawsuit) alleging that the Work 
or a Contribution incorporated within the Work constitutes direct 
or contributory patent infringement, then any patent licenses 
granted to You under this License for that Work shall terminate 
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the 
Work or Derivative Works thereof in any medium, with or without 
modifications, and in Source or Object form, provided that You 
meet the following conditions:

(a) You must give any other recipients of the Work or 
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices 
    stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works 
    that You distribute, all copyright, patent, trademark, and 
    attribution notices from the Source form of the Work, 
    excluding those notices that do not pertain to any part of 
    the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and
The XMLSchema.dtd included in this project was developed by the W3C Consortium (http://www.w3c.org/).
Use of the source code, thus licensed, and the resultant binary are subject to the terms and conditions of the following license.

W3C SOFTWARE NOTICE AND LICENSE

This W3C work (including software, documents, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions:

Permission to use, copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications, that you make:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, a short notice of the following form (hypertext is preferred, text is permitted) should be used within the body of any redistributed or derivative code: "Copyright [Date-of-software] World Wide Web Consortium, (Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio University). All Rights Reserved. http://www.w3.org/Consortium/Legal/
3. Notice of any changes or modifications to the W3C files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS,
TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.699 tools-ant 1.10.9

1.699.1 Available under license:

Amongst other, the following people contributed to ant:

Adam Blinkinsop
Adam Bryzak
Adam Sotona
Adrian Nistor
Aleksandr Ishutin
Alex Rosen
Alexei Yudichev
Alexey Panchenko
Alexey Solofnenko
Alfred Theorin
Alison Winters
Andreas Ames
Andreas Mross
Andrew Eisenberg
Andrew Everitt
Andrew Stevens
Andrey Urazov
Andr-John Mas
Andy Wood
Anil K. Vijendran
Craig Richardson
Craig Ryan
Craig Sandvik
Curt Arnold
Curtis White
Cyrille Morvan
D'Arcy Smith
Dale Anson
Dale Sherwood
Dan Armbrust
Dana Dahlstrom
Daniel Henrique
Daniel Ribagnac
Daniel Spilker
Daniel Trebbien
Danno Ferrin
Danny Yates
Dante Briones
Davanum Srinivas
Dave Brondsema
Dave Brosius
David A. Herman
David Crossley
David Grtner
David S. Johnson
David Kavanagh
David LeRoy
David Leal
David M. Lloyd
David Maclean
David Rees
Denis Hennessy
Derek Slager
Devon C. Miller
Diane Holt
dIon Gillard
Dmitry A. Kuminov
Dominique Devienne
Donal Quinlan
Don Brown
Don Ferguson
Don Jeffery
Drew Sudell
Earl Hood
Edison Guo
Eduard Wirch
Edwin Woudt
Eli Tucker
Matthias Bhend
Michael Bayne
Michael Clarke
Michael Davey
Michael J. Sikorsky
Michael McCallum
Michael Montuori
Michael Newcomb
Micheal Nygard
Michael Saunders
Miha
Mike Davis
Mike Roberts
Mike Williams
Miroslav Zako
mnowostawski
Mounir El Hajj
Nathan Beyer
Nick Chalko
Nick Fortescue
Nick Crossley
Nick Pellow
Nicola Ken Barozzi
Nico Seessle
Nigel Magnay
Oliver Merkel
Oliver Rossmueller
Olivier Parent
Ondra Medek
Omer Shapira
Oystein Gisnas
Patrick Altaie
Patrick C. Beard
Patrick Chanezon
Patrick G. Heck (Gus Heck)
Patrick Martin
Paul Austin
Paul Christmann
Paul Galbraith
Paul King
Paulo Gaspar
Pavan Bayyapu
Pavel Jisl
Pawel Zuzelski
Peter B. West
Peter Donald
Peter Doornbosch
Peter Hulst
Peter Janes
Peter Reilly
Petr Kure
Phil Hanna
Philip Hourihane
Phillip Wells
Pierre Delisle
Pierre Dittgen
riasol
R Handerson
Ralf Hergert
Rami Ojares
Randy Watler
Raphael Pierquin
Ray Waldin
Reinhard Pointner
Remie Bolte
Ren Krell
Reudismam Rolim
Richard Evans
Richard Steele
Rick Beton
Robbie Gibson
Robert Anderson
Robert Clark
Robert Flaherty
Robert Shaw
Robert Streich
Robert Watkins
Roberto Scaramuzzi
Robin Green
Robin Power
Robin Verduijn
Rob Oxspring
Rob van Oostrum
Rodrigo Schmidt
Roger Vaughn
Roman Ivashin
Roman Savko
Ronen Mashal
Russell Gold
Ryan Bennitt
Sam Ruby
Sandra Metz
Scott Carlson
Scott Ellsworth
Scott Johnson
Scott M. Stirling
Sean Egan
Sean P. Kane
Sebastien Arod
Shiraz Kanga
Sebastian Kantha
Simon Law
Simone Bordet
Stefan Bodewig
Stefan Heimann
Stefano Mazzocchi
Stephan Strittmatter
Stephane Bailliez
stephan
Stephan Michels
Stephen Chin
Stephen Goetze
Steve Cohen
Steve Langley
Steve Loughran
Steve Morin
Steve Wadsworth
Steven E. Newton
Sudheer Chigurupati
Takashi Okamoto
TAMURA Kent
Taoufik Romdhane
Tariq Master
Thomas Aglassinger
Thomas Butz
Thomas Christen
Thomas Christensen
Thomas Haas
Thomas Quas
Tim Boemker
Tim Drury
Tim Fennell
Tim Stephenson
Tim Whittington
Timoteo Ohara
Timothy Gerard Endres
Tom Ball
Tom Brus
Tom Cunningham
Tom Dimock
Tom Eugelink
Tom May
Tomasz Bech
Tom Zezula
THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE (AGREEMENT). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

### 1. Definitions

Contribution means:
* **a)** in the case of the initial Contributor, the initial content Distributed under this Agreement, and
* **b)** in the case of each subsequent Contributor:
  * **i)** changes to the Program, and
  * **ii)** additions to the Program;
where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution originates from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include changes or additions to the Program that are not Modified Works.

Contributor means any person or entity that Distributes the Program.
Licensed Patents mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

Program means the Contributions Distributed in accordance with this Agreement.

Recipient means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.

Derivative Works shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

Modified Works shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

Distribute means the acts of **a)** distributing or **b)** making available in any manner that enables the transfer of a copy.

Source Code means the form of a Program preferred for making modifications, including but not limited to software source code, documentation source, and configuration files.

Secondary License means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

### 2. Grant of Rights

**a)** Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.

**b)** Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

**c)** Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to Distribute the Program, it is Recipient’s responsibility to acquire that license before distributing the Program.
**d)** Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

**e)** Notwithstanding the terms of any Secondary License, no Contributor makes additional grants to any Recipient (other than those set forth in this Agreement) as a result of such Recipient's receipt of the Program under the terms of a Secondary License (if permitted under the terms of Section 3).

### 3. Requirements

**3.1** If a Contributor Distributes the Program in any form, then:

* **a)** the Program must also be made available as Source Code, in accordance with section 3.2, and the Contributor must accompany the Program with a statement that the Source Code for the Program is available under this Agreement, and informs Recipients how to obtain it in a reasonable manner on or through a medium customarily used for software exchange; and

* **b)** the Contributor may Distribute the Program under a license different than this Agreement, provided that such license:
  * **i)** effectively disclaims on behalf of all other Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
  * **ii)** effectively excludes on behalf of all other Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
  * **iii)** does not attempt to limit or alter the recipients' rights in the Source Code under section 3.2; and
  * **iv)** requires any subsequent distribution of the Program by any party to be under a license that satisfies the requirements of this section 3.

**3.2** When the Program is Distributed as Source Code:

* **a)** it must be made available under this Agreement, or if the Program **(i)** is combined with other material in a separate file or files made available under a Secondary License, and **(ii)** the initial Contributor attached to the Source Code the notice described in Exhibit A of this Agreement, then the Program may be made available under the terms of such Secondary Licenses, and
* **b)** a copy of this Agreement must be included with each copy of the Program.

**3.3** Contributors may not remove or alter any copyright, patent, trademark, attribution notices, disclaimers of warranty, or limitations of liability (notices) contained within the Program from any copy of the Program which they Distribute, provided that Contributors may add their own appropriate notices.

### 4. Commercial Distribution

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor (Commercial Contributor) hereby agrees to defend and indemnify every other Contributor (Indemnified Contributor) against any losses, damages and costs (collectively Losses) arising from claims, lawsuits
and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: **a)** promptly notify the Commercial Contributor in writing of such claim, and **b)** allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

### 5. No Warranty

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PROGRAM IS PROVIDED ON AN AS IS BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

### 6. Disclaimer of Liability

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

### 7. General

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.
All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute the Program (including its Contributions) under the new version.

Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. Nothing in this Agreement is intended to be enforceable by any entity that is not a Contributor or Recipient. No third-party beneficiary rights are created under this Agreement.

#### Exhibit A - Form of Secondary Licenses Notice

> This Source Code may also be made available under the following Secondary Licenses when the conditions for such availability set forth in the Eclipse Public License, v. 2.0 are satisfied: {name license(s), version(s), and exceptions or additional permissions here}.

Simply including a copy of this Agreement, including this Exhibit A is not sufficient to license the Source Code under Secondary Licenses.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

BSD License

Copyright (c) 2000-2006, www.hamcrest.org

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
Neither the name of Hamcrest nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Apache Ant
Copyright 1999-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

The <sync> task is based on code Copyright (c) 2002, Landmark Graphics Corp that has been kindly donated to the Apache Software Foundation.

/*
   *                                 Apache License
   *                           Version 2.0, January 2004
   *                        http://www.apache.org/licenses/
   *
   * TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
   *
   * 1. Definitions.
   *
   * "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
   *
   * "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
   *
   * "Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents
open source used in CSPC Collector 2.9.1

of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
you must accompany any Contribution You submit to the Licensor with
the Notice file from the Work, and cause each Contributor to which You
provide such Contributions (including You) to do so as well, to the extent
permitted or required by the Licensor.

Notwithstanding the above, nothing herein shall supersede or modify
the conditions of any separate license agreementYou may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.
* 9. Accepting Warranty or Additional Liability. While redistributing
   * the Work or Derivative Works thereof, You may choose to offer,
   * and charge a fee for, acceptance of support, warranty, indemnity,
   * or other liability obligations and/or rights consistent with this
   * License. However, in accepting such obligations, You may act only
   * on Your own behalf and on Your sole responsibility, not on behalf
   * of any other Contributor, and only if You agree to indemnify,
   * defend, and hold each Contributor harmless for any liability
   * incurred by, or claims asserted against, such Contributor by reason
   * of your accepting any such warranty or additional liability.

* END OF TERMS AND CONDITIONS

* APPENDIX: How to apply the Apache License to your work.

* To apply the Apache License to your work, attach the following
  * boilerplate notice, with the fields enclosed by brackets "[]"
  * replaced with your own identifying information. (Don't include
  * the brackets!) The text should be enclosed in the appropriate
  * comment syntax for the file format. We also recommend that a
  * file or class name and description of purpose be included on the
  * same "printed page" as the copyright notice for easier
  * identification within third-party archives.

* Copyright [yyyy] [name of copyright owner]

* Licensed under the Apache License, Version 2.0 (the "License);
  * you may not use this file except in compliance with the License.
  * You may obtain a copy of the License at

  * http://www.apache.org/licenses/LICENSE-2.0

* Unless required by applicable law or agreed to in writing, software
  * distributed under the License is distributed on an "AS IS" BASIS,
  * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
  * See the License for the specific language governing permissions and
  * limitations under the License.

*/

W3C SOFTWARE NOTICE AND LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This work (and included software, documentation such as READMEs, or other
related items) is being provided by the copyright holders under the following
license. By obtaining, using and/or copying this work, you (the licensee) agree
that you have read, understood, and will comply with the following terms and
conditions.
Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.
3. Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission.
The title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This formulation of W3C's notice and license became active on December 31 2002.
This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <site-policy@w3.org>

This license came from: http://www.megginson.com/SAX/copying.html
However please note future versions of SAX may be covered
SAX2 is Free!

I hereby abandon any property rights to SAX 2.0 (the Simple API for XML), and release all of the SAX 2.0 source code, compiled code, and documentation contained in this distribution into the Public Domain. SAX comes with NO WARRANTY or guarantee of fitness for any purpose.

David Megginson, david@megginson.com
2000-05-05
/*
   * Apache License
   * Version 2.0, January 2004
   * http://www.apache.org/licenses/
   *
   * TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
   *
   * 1. Definitions.
   *
   * "License" shall mean the terms and conditions for use, reproduction,
   * and distribution as defined by Sections 1 through 9 of this document.
   *
   * "Licensor" shall mean the copyright owner or entity authorized by
   * the copyright owner that is granting the License.
   *
   * "Legal Entity" shall mean the union of the acting entity and all
   * other entities that control, are controlled by, or are under common
   * control with that entity. For the purposes of this definition,
   * "control" means (i) the power, direct or indirect, to cause the
   * direction or management of such entity, whether by contract or
   * otherwise, or (ii) ownership of fifty percent (50%) or more of the
   * outstanding shares, or (iii) beneficial ownership of such entity.
   *
   * "You" (or "Your") shall mean an individual or Legal Entity
   * exercising permissions granted by this License.
   *
   * "Source" form shall mean the preferred form for making modifications,
   * including but not limited to software source code, documentation
   * source, and configuration files.
   *
   * "Object" form shall mean any form resulting from mechanical
   * transformation or translation of a Source form, including but
   * not limited to compiled object code, generated documentation,
   * and conversions to other media types.
   *
   * "Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one place: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

   You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work

by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.
To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Open Source Licenses

This product may include a number of subcomponents with separate copyright notices and license terms. Your use of the source code for these subcomponents is subject to the terms and conditions of the subcomponent's license, as noted in the LICENSE-<subcomponent>.md files.

JUnit

Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and
b) in the case of each subsequent Contributor:

i) changes to the Program, and
ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution ‘originates’ from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor” means any person or entity that distributes the Program.

"Licensed Patents ” mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program” means the Contributions distributed in accordance with this Agreement.

"Recipient” means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby
assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

   a) it complies with the terms and conditions of this Agreement; and

   b) its license agreement:

      i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

      ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

      iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

      iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

   a) it must be made available under this Agreement; and

   b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.
4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the
intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

1.700 parted 3.2 38.el8
1.700.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.
Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the
earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work’s
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of
copyright on the Program, and are irrevocable provided the stated
conditions are met. This License explicitly affirms your unlimited
permission to run the unmodified Program. The output from running a
covered work is covered by this License only if the output, given its
content, constitutes a covered work. This License acknowledges your
rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains
in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you
with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do
not control copyright. Those thus making or running the covered works
for you must do so exclusively on your behalf, under your direction
and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed; section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological
measure under any applicable law fulfilling obligations under article
11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display
Appropriate Legal Notices; however, if the Program has interactive
interfaces that do not display Appropriate Legal Notices, your
work need not make them do so.

A compilation of a covered work with other separate and independent
works, which are not by their nature extensions of the covered work,
and which are not combined with it such as to form a larger program,
in or on a volume of a storage or distribution medium, is called an
"aggregate" if the compilation and its resulting copyright are not
used to limit the access or legal rights of the compilation's users
beyond what the individual works permit. Inclusion of a covered work
in an aggregate does not cause this License to apply to the other
parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms
of sections 4 and 5, provided that you also convey the
machine-readable Corresponding Source under the terms of this License,
in one of these ways:

a) Convey the object code in, or embodied in, a physical product
   (including a physical distribution medium), accompanied by the
   Corresponding Source fixed on a durable physical medium
   customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product
   (including a physical distribution medium), accompanied by a
   written offer, valid for at least three years and valid for as
   long as you offer spare parts or customer support for that product
   model, to give anyone who possesses the object code either (1) a
   copy of the Corresponding Source for all the software in the
   product that is covered by this License, on a durable physical
   medium customarily used for software interchange, for a price no
   more than your reasonable cost of physically performing this
   conveying of source, or (2) access to copy the
   Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
   written offer to provide the Corresponding Source. This
   alternative is allowed only occasionally and noncommercially, and
   only if you received the object code with such an offer, in accord
   with subsection 6b.

d) Convey the object code by offering access from a designated
   place (gratis or for a charge), and offer equivalent access to the
   Corresponding Source in the same way through the same place at no
   further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is
reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.
11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered
work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".
You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

@c The GNU Free Documentation License.
center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
c hence no sectioning command or @node.

display
@uref{http://fsf.org/}

everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
@end display

@enumerate 0
@item PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document @dfn{free} in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of ``copyleft'', which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or
whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The “Document”, below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as “you”. You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A “Modified Version” of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A “Secondary Section” is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The ”Invariant Sections” are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The “Cover Texts” are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A ”Transparent” copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of
generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not ``Transparent'' is called ``Opaque''.

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, \LaTeX{} input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The ``Title Page'' means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, ``Title Page'' means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The ``publisher'' means any person or entity that distributes copies of the Document to the public.

A section ``Entitled XYZ'' means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as ``Acknowledgements'', ``Dedications'', ``Endorsements'', or ``History''.) To ``Preserve the Title'' of such a section when you modify the Document means that it remains a section ``Entitled XYZ'' according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.
VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.
It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

A

Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

State on the Title page the name of the publisher of the Modified Version, as the publisher.

Preserve all the copyright notices of the Document.

Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

Preserve in that license notice the full lists of Invariant Sections
and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled ``History'', Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled ``History'' in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the ``History'' section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled ``Acknowledgements'' or ``Dedications'', Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.

@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material
copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an “aggregate” if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions
of those notices and disclaimers. In case of a disagreement between the
translation and the original version of this License or a notice
or disclaimer, the original version will prevail.

If a section in the Document is Entitled ``Acknowledgements'',
``Dedications'', or ``History'', the requirement (section 4) to Preserve
its Title (section 1) will typically require changing the actual
title.

@item
TERMINATION

You may not copy, modify, sublicense, or distribute the Document
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense, or distribute it is void, and
will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license
from a particular copyright holder is reinstated (a) provisionally,
unless and until the copyright holder explicitly and finally
terminates your license, and (b) permanently, if the copyright holder
fails to notify you of the violation by some reasonable means prior to
60 days after the cessation.

Moreover, your license from a particular copyright holder is
reinstated permanently if the copyright holder notifies you of the
violation by some reasonable means, this is the first time you have
received notice of violation of this License (for any work) from that
copyright holder, and you cure the violation prior to 30 days after
your receipt of the notice.

Termination of your rights under this section does not terminate the
licenses of parties who have received copies or rights from you under
this License. If your rights have been terminated and not permanently
reinstated, receipt of a copy of some or all of the same material does
not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions
of the GNU Free Documentation License from time to time. Such new
versions will be similar in spirit to the present version, but may
differ in detail to address new problems or concerns. See
@uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number.
If the Document specifies that a particular numbered version of this
License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item

RELICENSING

"Massive Multiauthor Collaboration Site" (or "MMC Site") means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A "Massive Multiauthor Collaboration" (or "MMC") contained in the site means any set of copyrightable works thus published on the MMC site.

"CC-BY-SA" means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

"Incorporate" means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is "eligible for relicensing" if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page

@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and
license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document
under the terms of the GNU Free Documentation License, Version 1.3
or any later version published by the Free Software Foundation;
with no Invariant Sections, no Front-Cover Texts, and no Back-Cover
Texts. A copy of the license is included in the section entitled ``GNU
Free Documentation License''.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts,
replace the ``with@dots{}Texts.''@: line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with
the Front-Cover Texts being @var{list}, and with the Back-Cover Texts
being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other
combination of the three, merge those two alternatives to suit the
situation.

If your document contains nontrivial examples of program code, we
recommend releasing these examples in parallel under your choice of
free software license, such as the GNU General Public License,
to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

1.701 activemq-protobuf 1.1
1.701.1 Available under license :

=========================================================================
==  Apache Notice                                                      ==
=========================================================================

Apache ActiveMQ
Copyright 2005-2008 The Apache Software Foundation
This product includes software developed by The Apache Software Foundation (http://www.apache.org/).

=========================================================================  ==  Protocol Buffers Notice == =========================================================================  

This product includes software developed by the Protocol Buffers project (http://code.google.com/apis/protocolbuffers).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work.
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.702 berkeley-db 5.3.28

1.702.1 Available under license:

Copyright (c) 1996, 2013 Oracle and/or its affiliates. All rights reserved. See the file LICENSE for redistribution information.

This software is copyrighted by Christian Werner <chw@ch-werner.de> and other authors. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses.

Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE
IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE
NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR
MODIFICATIONS.
This software is copyrighted by Christian Werner <chw@ch-werner.de> and others.
The following terms apply to all files associated with the software
unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute,
and license this software and its documentation for any purpose, provided
that existing copyright notices are retained in all copies and that this
notice is included verbatim in any distributions. No written agreement,
license, or royalty fee is required for any of the authorized uses.
Modifications to this software may be copyrighted by their authors
and need not follow the licensing terms described here, provided that
the new terms are clearly indicated on the first page of each file where
they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY
FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES
ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY
DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE
IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE
NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR
MODIFICATIONS.
NOTE

The license is based on the zlib/libpng license. For more details see
http://www.opensource.org/licenses/zlib-license.html. The intent of the
license is to:

- keep the license as simple as possible
- encourage the use of CuTest in both free and commercial applications
  and libraries
- keep the source code together
- give credit to the CuTest contributors for their work

If you ship CuTest in source form with your source distribution, the
following license document must be included with it in unaltered form.
If you find CuTest useful we would like to hear about it.

LICENSE
Copyright (c) 2003 Asim Jalil

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

3. This notice may not be removed or altered from any source distribution.

/*
 *
 */

The following is the license that applies to this copy of the Berkeley DB software. For a license to use the Berkeley DB software under conditions other than those described here, or to purchase support for this software, please contact Oracle at berkeleydb-info_us@oracle.com.

/*
 * Copyright (c) 1990, 2013 Oracle and/or its affiliates. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in the
 * documentation and/or other materials provided with the distribution.
 * 3. Redistributions in any form must be accompanied by information on
 * how to obtain complete source code for the DB software and any
 * accompanying software that uses the DB software. The source code
 * must either be included in the distribution or be available for no
 * more than the cost of distribution plus a nominal fee, and must be
 * freely redistributable under reasonable conditions. For an
 */
executable file, complete source code means the source code for all modules it contains. It does not include source code for modules or files that typically accompany the major components of the operating system on which the executable file runs.

* THIS SOFTWARE IS PROVIDED BY ORACLE `AS IS' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT, ARE DISCLAIMED. IN NO EVENT SHALL ORACLE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

/*
*/

* Copyright (c) 1990, 1993, 1994, 1995
* The Regents of the University of California. All rights reserved.
*
* Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* 3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS `AS IS' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

*/

/*
*/

* Copyright (c) 1995, 1996
* The President and Fellows of Harvard University. All rights reserved.
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
  * Redistribution of source code must retain the above copyright
    notice, this list of conditions and the following disclaimer.
  * Redistribution in binary form must reproduce the above copyright
    notice, this list of conditions and the following disclaimer in the
    documentation and/or other materials provided with the distribution.
  * Neither the name of the University nor the names of its contributors
    may be used to endorse or promote products derived from this software
    without specific prior written permission.

* THIS SOFTWARE IS PROVIDED BY HARVARD AND ITS CONTRIBUTORS "AS IS" AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL HARVARD OR ITS CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=*

/** *
* ASM: a very small and fast Java bytecode manipulation framework *
* Copyright (c) 2000-2005 INRIA, France Telecom *
* All rights reserved. *
*
* Redistribution and use in source and binary forms, with or without *
* modification, are permitted provided that the following conditions *
* are met: *
* 1. Redistributions of source code must retain the above copyright *
*    notice, this list of conditions and the following disclaimer. *
* 2. Redistributions in binary form must reproduce the above copyright *
*    notice, this list of conditions and the following disclaimer in the *
*    documentation and/or other materials provided with the distribution. *
* 3. Neither the name of the copyright holders nor the names of its *
*    contributors may be used to endorse or promote products derived from *
*    this software without specific prior written permission. *
*
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" *
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE *
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE *
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE *
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.
*/

This package was debianized by Sam Clegg <samo@debian.org> on

It was downloaded from <http://www.ch-werner.de/sqliteodbc/>

Upstream Author: Christian Werner <chw@ch-werner.de>

Copyright: Copyright (c) 2001-2011 Christian Werner <chw@ch-werner.de>
            
            OS/2 Port Copyright (c) 2004 Lorne R. Sunley <lsunley@mb.sympatico.ca>

License:

This software is copyrighted by Christian Werner <chw@ch-werner.de>
and other authors. The following terms apply to all files associated
with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute,
and license this software and its documentation for any purpose, provided
that existing copyright notices are retained in all copies and that this
notice is included verbatim in any distributions. No written agreement,
license, or royalty fee is required for any of the authorized uses.
Modifications to this software may be copyrighted by their authors
and need not follow the licensing terms described here, provided that
the new terms are clearly indicated on the first page of each file where
they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY
FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES
ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY
DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE
IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE
NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR
MODIFICATIONS.

The Debian packaging is (C) 2006, Sam Clegg <samo@debian.org> and
is licensed under the GPL-3, see `/usr/share/common-licenses/GPL-3`. 
1.703 jetty-deploy 9.4.11.v20180605

1.704 libssh 0.9.4

1.704.1 Available under license:

MIT License

Copyright (c) 2017 Jan-Lukas Wynen

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Some parts are under the BSDv2 License:

Copyright (c) 2000 Markus Friedl. All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, 
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY 
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT 
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF 
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
   59 Temple Place, Suite 330, Boston, MA  02111-1307  USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL.  It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it.  By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it.  You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price.  Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights.  These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you.  You must make sure that they, too, receive or can get the source
code.  If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Linking with OpenSSL

17. In addition, as a special exception, we give permission to link the code of its release of libssh with the OpenSSL project's "OpenSSL" library (or with modified versions of it that use the same license as the "OpenSSL" library), and distribute the linked executables. You must obey the GNU Lesser General Public License in all respects for all of the code used other than "OpenSSL". If you modify this file, you may extend this exception to your version of the file, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

END OF TERMS AND CONDITIONS

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.705 rootfiles 8.1-22.el8
1.705.1 Available under license :
No license file was found, but licenses were detected in source scan.

License: Public Domain

Found in path(s):

1.706 commons-pool 1.3
1.706.1 Available under license :
This product includes software developed by The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."
"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.707 tomcat-util-scan 8.5.3
1.707.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.
Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Apache Tomcat
Copyright 1999-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

1.708 jersey-container-servlet-core 2.27

1.709 commons-el 5.5.23

1.709.1 Available under license :

Apache Commons CLI
Copyright 2001-2007 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed with the Work.
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.710 json-java 20170516
1.710.1 Available under license:

Copyright (c) 2002 JSON.org

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The Software shall be used for Good, not Evil.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.711 jetty-jmx 9.4.11.v20180605

1.712 libfastjson 0.99.8 2.el8

1.712.1 Available under license:

Copyright (c) 2015 Rainer Gerhards

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.

-----------------------------------------------

Copyright (c) 2009-2012 Eric Haszlakiewicz

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.

-----------------------------------------------

Copyright (c) 2004, 2005 Metaparadigm Pte Ltd

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
1.713 perl-libwww-perl 6.34-1.el8

1.713.1 Available under license:

This software is copyright (c) 1995 by Gisle Aas.

This is free software; you can redistribute it and/or modify it under the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 1995 by Gisle Aas.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make
sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.
2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

   d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

   a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

   b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

   c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is
allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the
commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your
program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 1995 by Gisle Aas.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License
Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.
c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
1.714 dbus-glib 0.110 2.el8

1.714.1 Available under license:

The D-Bus glib bindings are licensed to you under your choice of the Academic Free License version 2.1, or the GNU General Public License version 2. Both licenses are included here. Some of the standalone binaries are under the GPL only; in particular, but not limited to, tests/decode-gcov.c. Each source code file is marked with the proper copyright information.

The Academic Free License
v. 2.1

This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work:

Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license to do the following:

a) to reproduce the Original Work in copies;

b) to prepare derivative works ("Derivative Works") based upon the Original Work;

c) to distribute copies of the Original Work and Derivative Works to the public;

d) to perform the Original Work publicly; and

e) to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original
Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately proceeding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.
8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.
12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

--

END OF ACADEMIC FREE LICENSE. The following is intended to describe the essential differences between the Academic Free License (AFL) version 1.0 and other open source licenses:

The Academic Free License is similar to the BSD, MIT, UoI/NCSA and Apache licenses in many respects but it is intended to solve a few problems with those licenses.

* The AFL is written so as to make it clear what software is being licensed (by the inclusion of a statement following the copyright notice in the software). This way, the license functions better than a template license. The BSD, MIT and UoI/NCSA licenses apply to unidentified software.
* The AFL contains a complete copyright grant to the software. The BSD and Apache licenses are vague and incomplete in that respect.

* The AFL contains a complete patent grant to the software. The BSD, MIT, UoI/NCSA and Apache licenses rely on an implied patent license and contain no explicit patent grant.

* The AFL makes it clear that no trademark rights are granted to the licensor's trademarks. The Apache license contains such a provision, but the BSD, MIT and UoI/NCSA licenses do not.

* The AFL includes the warranty by the licensor that it either owns the copyright or that it is distributing the software under a license. None of the other licenses contain that warranty. All other warranties are disclaimed, as is the case for the other licenses.

* The AFL is itself copyrighted (with the right granted to copy and distribute without modification). This ensures that the owner of the copyright to the license will control changes. The Apache license contains a copyright notice, but the BSD, MIT and UoI/NCSA licenses do not.

---

START OF GNU GENERAL PUBLIC LICENSE

---

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

**GNU GENERAL PUBLIC LICENSE**

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.
The D-Bus GLib main loop bindings are licensed to you under your choice of the Academic Free License version 2.1, or the GNU General Public License version 2. Both licenses are included here. Each source code file is marked with the proper copyright information.

The Academic Free License
v. 2.1

This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work:

Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable
license to do the following:

a) to reproduce the Original Work in copies;

b) to prepare derivative works ("Derivative Works") based upon the Original Work;

c) to distribute copies of the Original Work and Derivative Works to the public;

d) to perform the Original Work publicly; and

e) to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.
6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately proceeding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights
granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

15) Right to Use. You may use the Original Work in all ways not
otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved. Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

--

END OF ACADEMIC FREE LICENSE. The following is intended to describe the essential differences between the Academic Free License (AFL) version 1.0 and other open source licenses:

The Academic Free License is similar to the BSD, MIT, UoI/NCSA and Apache licenses in many respects but it is intended to solve a few problems with those licenses.

* The AFL is written so as to make it clear what software is being licensed (by the inclusion of a statement following the copyright notice in the software). This way, the license functions better than a template license. The BSD, MIT and UoI/NCSA licenses apply to unidentified software.

* The AFL contains a complete copyright grant to the software. The BSD and Apache licenses are vague and incomplete in that respect.

* The AFL contains a complete patent grant to the software. The BSD, MIT, UoI/NCSA and Apache licenses rely on an implied patent license and contain no explicit patent grant.

* The AFL makes it clear that no trademark rights are granted to the licensor's trademarks. The Apache license contains such a provision, but the BSD, MIT and UoI/NCSA licenses do not.

* The AFL includes the warranty by the licensor that it either owns the copyright or that it is distributing the software under a license. None of the other licenses contain that warranty. All other warranties are disclaimed, as is the case for the other licenses.

* The AFL is itself copyrighted (with the right granted to copy and distribute without modification). This ensures that the owner of the copyright to the license will control changes. The Apache license contains a copyright notice, but the BSD, MIT and UoI/NCSA licenses do not.

------------------------------------------------------------------------

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
carry the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.715 gwt 2.3.0

1.715.1 Available under license:

Copyright 2008 Google Inc.

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

GOOGLE WEB TOOLKIT LICENSE INFORMATION

March 3, 2008

The Google Web Toolkit software and sample code developed by Google is licensed under the Apache License, v. 2.0. Other software included in this distribution is provided under other licenses, as listed in the Included Software and Licenses section at the bottom of this page. Source code for software included in this distribution is available from the Google Web Toolkit project or as otherwise indicated at the bottom of this page.

Please note that the executable version of the Google Web Toolkit distributed by Google will communicate with Google's servers to check for available updates. If updates are available, you will receive the option to install them.

=====

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a
"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

a. You must give any other recipients of the Work or Derivative Works a copy of this License; and

b. You must cause any modified files to carry prominent notices stating that You changed the files; and

c. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

d. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as
part of the Derivative Works; within the Source form or documentation, if
provided along with the Derivative Works; or, within a display generated by
the Derivative Works, if and wherever such third-party notices normally
appear. The contents of the NOTICE file are for informational purposes only
and do not modify the License. You may add Your own attribution notices
within Derivative Works that You distribute, alongside or as an addendum to
the NOTICE text from the Work, provided that such additional attribution
notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may
provide additional or different license terms and conditions for use,
reproduction, or distribution of Your modifications, or for any such
Derivative Works as a whole, provided Your use, reproduction, and
distribution of the Work otherwise complies with the conditions stated in
this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any
Contribution intentionally submitted for inclusion in the Work by You to the
Licensor shall be under the terms and conditions of this License, without
any additional terms or conditions. Notwithstanding the above, nothing
herein shall supersede or modify the terms of any separate license agreement
you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor, except
as required for reasonable and customary use in describing the origin of the
Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in
writing, Licensor provides the Work (and each Contributor provides its
Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY
KIND, either express or implied, including, without limitation, any
warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or
FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining
the appropriateness of using or redistributing the Work and assume any risks
associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether
in tort (including negligence), contract, or otherwise, unless required by
applicable law (such as deliberate and grossly negligent acts) or agreed to
in writing, shall any Contributor be liable to You for damages, including
any direct, indirect, special, incidental, or consequential damages of any
character arising as a result of this License or out of the use or inability
to use the Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all other
commercial damages or losses), even if such Contributor has been advised of
the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

===

LICENSE INFORMATION REGARDING BUNDLED THIRD-PARTY SOFTWARE

The following third party software is distributed with Google Web Toolkit and is provided under other licenses and/or has source available from other locations. Where "gwt-dev.jar" is listed, substitute in the name of the jar corresponding to your platform, e.g. "gwt-dev-linux.jar".

* Apache Tomcat
  License: Apache License v. 2.0 (above)
  Source code availability: http://tomcat.apache.org
  modifications are at org/apache/tomcat/ within gwt-dev.jar

* Apache Tapestry
  License: Apache License v. 2.0 (above)
  Source code availability: http://tapestry.apache.org

* ASM 3.1
  License: (custom)
  http://asm.objectweb.org/license.html
  Source code availability: com/google/gwt/dev/asm/ within gwt-dev.jar

* Browser Detect v2.1.6
  License: Creative Commons Attribution 1.0
  http://creativecommons.org/licenses/by/1.0/
  Source code availability:
  (transliterated into Java source)

* Eclipse Java Development Tools (JDT)
  License: Eclipse Public License v. 1.0
  Source code availability:
* Eclipse Standard Widget Toolkit (SWT)
  License: Eclipse Public License v. 1.0
  Source code availability:
  modifications are at org/eclipse/swt/ within gwt-dev.jar

* Jetty
  License: Apache License v. 2.0 (above)
  Source code availability:
  http://mortbay.org/jetty/

* JFreeChart
  License: GNU Lesser General Public License v. 2.1
  http://www.gnu.org/licenses/lgpl.html
  Source code availability:
  http://jfree.org/jfreechart/download.html

* Mozilla Rhino
  License: Mozilla Public License v. 1.1
  http://www.mozilla.org/MPL/MPL-1.1.txt
  Source code availability: com/google/gwt/dev/js/rhino/ within gwt-dev.jar

* Mozilla 1.7.12 (Linux only)
  License: Mozilla Public License v. 1.1
  http://www.mozilla.org/MPL/MPL-1.1.txt
  Source code availability:

* Protobuf
  License: New BSD License
  http://www.opensource.org/licenses/bsd-license.php
  Source code availability:
  http://code.google.com/p/protobuf/source/checkout
  Binary modifications consist of package-rebasing. The rebased classes are rooted at com/google/gwt/dev/protobuf/ within gwt-dev.jar
  Copyright (c) 2000-2005 INRIA, France Telecom
  All rights reserved.

  Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holders nor the names of its
   contributors may be used to endorse or promote products derived from
   this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
THE POSSIBILITY OF SUCH DAMAGE.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS.
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

The files in this package are taken from mozilla's Rhino project. See http://www.mozilla.org/rhino/


--

The contents of this package are subject to the Netscape Public License Version 1.1 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.mozilla.org/NPL/

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

The Original Code is Rhino code, released May 6, 1999.

The Initial Developer of the Original Code is Netscape Communications Corporation. Portions created by Netscape are Copyright (C) 1997-2000 Netscape Communications Corporation. All Rights Reserved.

Alternatively, the contents of this file may be used under the terms of the GNU Public License (the "GPL"), in which case the provisions of the GPL are applicable instead of those above. If you wish to allow use of your version of this file only under the terms of the GPL and not to allow others to use your version of this file under the NPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the GPL. If you do not delete the provisions above, a recipient may use your version of this file under either the NPL or the GPL.

1.716 activemq-console 5.15.14
ActiveMQ :: Console
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.717 perl-exporter 5.72 396.el8

1.717.1 Available under license:

No license file was found, but licenses were detected in source scan.

=head1 NAME

Exporter - Implements default import method for modules

=head1 SYNOPSIS

In module F<YourModule.pm>:

package YourModule;
require Exporter;
@ISA = qw(Exporter);
@EXPORT_OK = qw(munge frobnicate);  # symbols to export on request

or

package YourModule;
use Exporter 'import'; # gives you Exporter's import() method directly
@EXPORT_OK = qw(munge frobnicate);  # symbols to export on request

In other files which wish to use C<YourModule>:

use YourModule qw(frobnicate);  # import listed symbols
frobnicate ($left, $right)      # calls YourModule::frobnicate
Take a look at L</Good Practices> for some variants you will like to use in modern Perl code.

=head1 DESCRIPTION

The Exporter module implements an C<import> method which allows a module to export functions and variables to its users' namespaces. Many modules use Exporter rather than implementing their own C<import> method because Exporter provides a highly flexible interface, with an implementation optimised for the common case.

Perl automatically calls the C<import> method when processing a C<use> statement for a module. Modules and C<use> are documented in L<perlfunc> and L<perlmod>. Understanding the concept of modules and how the C<use> statement operates is important to understanding the Exporter.

=head2 How to Export

The arrays C}@EXPORT@ and C}@EXPORT_OK@ in a module hold lists of symbols that are going to be exported into the users name space by default, or which they can request to be exported, respectively. The symbols can represent functions, scalars, arrays, hashes, or typeglobs. The symbols must be given by full name with the exception that the ampersand in front of a function is optional, e.g.

```
@EXPORT    = qw(afunc $scalar @array);   # afunc is a function
@EXPORT_OK = qw(&bfunc %hash *typeglob); # explicit prefix on &bfunc
```

If you are only exporting function names it is recommended to omit the ampersand, as the implementation is faster this way.

=head2 Selecting What to Export

Do B<not> export method names!

Do B<not> export anything else by default without a good reason!

Exports pollute the namespace of the module user. If you must export try to use C}@EXPORT_OK@ in preference to C}@EXPORT@ and avoid short or common symbol names to reduce the risk of name clashes.

Generally anything not exported is still accessible from outside the module using the C<YourModule::item_name> (or C<YourModule::item_name>) syntax. By convention you can use a leading underscore on names to informally indicate that they are 'internal' and not for public use.

(It is actually possible to get private functions by saying:
my $subref = sub { ... 

$subref->(@args); # Call it as a function
$obj->$subref(@args); # Use it as a method

However if you use them for methods it is up to you to figure out how to make inheritance work.)

As a general rule, if the module is trying to be object oriented then export nothing. If it's just a collection of functions then C<@EXPORT_OK> anything but use C<@EXPORT> with caution. For function and method names use barewords in preference to names prefixed with ampersands for the export lists.

Other module design guidelines can be found in L<perlmod>.

=head2 How to Import

In other files which wish to use your module there are three basic ways for them to load your module and import its symbols:

=over 4

=item C<use YourModule;>

This imports all the symbols from YourModule's C<@EXPORT> into the namespace of the C<use> statement.

=item C<use YourModule ();>

This causes perl to load your module but does not import any symbols.

=item C<use YourModule qw(...);>

This imports only the symbols listed by the caller into their namespace. All listed symbols must be in your C<@EXPORT> or C<@EXPORT_OK>, else an error occurs. The advanced export features of Exporter are accessed like this, but with list entries that are syntactically distinct from symbol names.

=back

Unless you want to use its advanced features, this is probably all you need to know to use Exporter.

=head1 Advanced Features

=head2 Specialised Import Lists
If any of the entries in an import list begins with !, : or / then the list is treated as a series of specifications which either add to or delete from the list of names to import. They are processed left to right. Specifications are in the form:

- ![name] This name only
- ![]:DEFAULT All names in @EXPORT
- ![]:tag All names in $EXPORT_TAGS{tag} anonymous list
- ![]/pattern/ All names in @EXPORT and @EXPORT_OK which match

A leading ! indicates that matching names should be deleted from the list of names to import. If the first specification is a deletion it is treated as though preceded by :DEFAULT. If you just want to import extra names in addition to the default set you will still need to include :DEFAULT explicitly.

e.g., F<Module.pm> defines:

```perl
@EXPORT = qw(A1 A2 A3 A4 A5);
@EXPORT_OK = qw(B1 B2 B3 B4 B5);
%EXPORT_TAGS = (T1 => [qw(A1 A2 B1 B2)], T2 => [qw(A1 A2 B3 B4)]);
```

Note that you cannot use tags in @EXPORT or @EXPORT_OK.

Names in EXPORT_TAGS must also appear in @EXPORT or @EXPORT_OK.

An application using Module can say something like:

```perl
use Module qw(:DEFAULT :T2 !B3 A3);
```

Other examples include:

```perl
use Socket qw(!/^\[AP\]F_/ !SOMAXCONN !SOL_SOCKET);
use POSIX qw(:errno_h :termios_h !TCSADRAIN !/^EXIT/);
```

Remember that most patterns (using //) will need to be anchored with a leading ^, e.g., C</^EXIT/> rather than C</EXIT/>.

You can say C<BEGIN { $Exporter::Verbose=1 }> to see how the specifications are being processed and what is actually being imported into modules.

=head2 Exporting Without Using Exporter's import Method

Exporter has a special method, 'export_to_level' which is used in situations where you can't directly call Exporter's import method. The export_to_level method looks like:
MyPackage->export_to_level($where_to_export, $package, @what_to_export);

where C<$where_to_export> is an integer telling how far up the calling stack to export your symbols, and C<@what_to_export> is an array telling what symbols *to* export (usually this is C<@_>). The C<$package> argument is currently unused.

For example, suppose that you have a module, A, which already has an import function:

    package A;

    @ISA = qw(Exporter);
    @EXPORT_OK = qw($b);

    sub import
    {
        $A::b = 1;  # not a very useful import method
    }

and you want to Export symbol C<$A::b> back to the module that called package A. Since Exporter relies on the import method to work, via inheritance, as it stands Exporter::import() will never get called. Instead, say the following:

    package A;
    @ISA = qw(Exporter);
    @EXPORT_OK = qw($b);

    sub import
    {
        $A::b = 1;
        A->export_to_level(1, @_);
    }

This will export the symbols one level 'above' the current package - ie: to the program or module that used package A.

Note: Be careful not to modify C<@_> at all before you call export_to_level - or people using your package will get very unexplained results!

=head2 Exporting Without Inheriting from Exporter

By including Exporter in your C<@ISA> you inherit an Exporter's import() method but you also inherit several other helper methods which you probably don't
want. To avoid this you can do:

    package YourModule;
    use Exporter qw(import);

which will export Exporter's own import() method into YourModule. Everything will work as before but you won't need to include Exporter in C<<@YourModule::ISA>>.

Note: This feature was introduced in version 5.57 of Exporter, released with perl 5.8.3.

=head2 Module Version Checking

The Exporter module will convert an attempt to import a number from a module into a call to C<< $module_name->VERSION($value) >>. This can be used to validate that the version of the module being used is greater than or equal to the required version.

For historical reasons, Exporter supplies a C<require_version> method that simply delegates to C<VERSION>. Originally, before C<UNIVERSAL::VERSION> existed, Exporter would call C<require_version>.

Since the C<UNIVERSAL::VERSION> method treats the C<$VERSION> number as a simple numeric value it will regard version 1.10 as lower than 1.9. For this reason it is strongly recommended that you use numbers with at least two decimal places, e.g., 1.09.

=head2 Managing Unknown Symbols

In some situations you may want to prevent certain symbols from being exported. Typically this applies to extensions which have functions or constants that may not exist on some systems.

The names of any symbols that cannot be exported should be listed in the C<@@EXPORT_FAIL> array.

If a module attempts to import any of these symbols the Exporter will give the module an opportunity to handle the situation before generating an error. The Exporter will call an export_fail method with a list of the failed symbols:

    @failed_symbols = $module_name->export_fail(@failed_symbols);

If the C<export_fail> method returns an empty list then no error is recorded and all the requested symbols are exported. If the returned list is not empty then an error is generated for each symbol and the export fails. The Exporter provides a default C<export_fail> method which
simply returns the list unchanged.

Uses for the C<export_fail> method include giving better error messages for some symbols and performing lazy architectural checks (put more symbols into C:@EXPORT_FAIL> by default and then take them out if someone actually tries to use them and an expensive check shows that they are usable on that platform).

=head2 Tag Handling Utility Functions

Since the symbols listed within C<%EXPORT_TAGS> must also appear in either C:@EXPORT> or C:@EXPORT_OK>, two utility functions are provided which allow you to easily add tagged sets of symbols to C:@EXPORT> or C:@EXPORT_OK>:

%EXPORT_TAGS = (foo => [qw(aa bb cc)], bar => [qw(aa cc dd)]);

Exporter::export_tags('foo');  # add aa, bb and cc to @EXPORT
Exporter::export_ok_tags('bar');  # add aa, cc and dd to @EXPORT_OK

Any names which are not tags are added to C:@EXPORT> or C:@EXPORT_OK> unchanged but will trigger a warning (with C<-w>) to avoid misspelt tags names being silently added to C:@EXPORT> or C:@EXPORT_OK>. Future versions may make this a fatal error.

=head2 Generating Combined Tags

If several symbol categories exist in C<%EXPORT_TAGS>, it's usually useful to create the utility ".:all" to simplify "use" statements.

The simplest way to do this is:

%EXPORT_TAGS = (foo => [qw(aa bb cc)], bar => [qw(aa cc dd)]);

# add all the other ":class" tags to the ":all" class,
# deleting duplicates
{
    my %seen;

    push @{$EXPORT_TAGS{all}},
        grep {!$seen{$_}++} @{$EXPORT_TAGS{$_}} foreach keys %EXPORT_TAGS;
}

F<CGI.pm> creates an ":all" tag which contains some (but not really all) of its categories. That could be done with one small change:

# add some of the other ":class" tags to the ":all" class,
# deleting duplicates
my %seen;

push @{$EXPORT_TAGS{all}},
grep {!$seen{$_}++} @{$EXPORT_TAGS{$_}}
  foreach qw/html2 html3 netscape form cgi internal/;
}

Note that the tag names in C<%EXPORT_TAGS> don't have the leading ':'.

=head2 C<AUTOLOAD>ed Constants

Many modules make use of C<AUTOLOAD>ing for constant subroutines to avoid having to compile and waste memory on rarely used values (see L<perlsub> for details on constant subroutines). Calls to such constant subroutines are not optimized away at compile time because they can't be checked at compile time for constancy.

Even if a prototype is available at compile time, the body of the subroutine is not (it hasn't been C<AUTOLOAD>ed yet). perl needs to examine both the C<()> prototype and the body of a subroutine at compile time to detect that it can safely replace calls to that subroutine with the constant value.

A workaround for this is to call the constants once in a C<BEGIN> block:

    package My;
    use Socket;

    foo( SO_LINGER );  ## SO_LINGER NOT optimized away; called at runtime
    BEGIN { SO_LINGER }  
    foo( SO_LINGER );  ## SO_LINGER optimized away at compile time.

This forces the C<AUTOLOAD> for C<SO_LINGER> to take place before SO_LINGER is encountered later in C<My> package.

If you are writing a package that C<AUTOLOAD>s, consider forcing an C<AUTOLOAD> for any constants explicitly imported by other packages or which are usually used when your package is C<use>d.

=head1 Good Practices

=head2 Declaring C<@EXPORT_OK> and Friends

When using C<Exporter> with the standard C<strict> and C<warnings> pragmas, the C<our> keyword is needed to declare the package variables C<@EXPORT_OK>, C<@EXPORT>, C<@ISA>, etc.
our @ISA = qw(Exporter);
our @EXPORT_OK = qw(munge frobnicate);

If backward compatibility for Perls under 5.6 is important, one must write instead a C<use vars> statement.

use vars qw(@ISA @EXPORT_OK);
@ISA = qw(Exporter);
@EXPORT_OK = qw(munge frobnicate);

=head2 Playing Safe

There are some caveats with the use of runtime statements like C<require Exporter> and the assignment to package variables, which can be very subtle for the unaware programmer. This may happen for instance with mutually recursive modules, which are affected by the time the relevant constructions are executed.

The ideal (but a bit ugly) way to never have to think about that is to use C<BEGIN> blocks. So the first part of the L</SYNOPSIS> code could be rewritten as:

package YourModule;

use strict;
use warnings;

our (@ISA, @EXPORT_OK);
BEGIN {
    require Exporter;
    @ISA = qw(Exporter);
    @EXPORT_OK = qw(munge frobnicate);  # symbols to export on request
}

The C<BEGIN> will assure that the loading of F<Exporter.pm> and the assignments to C:@ISA> and C:@EXPORT_OK> happen immediately, leaving no room for something to get awry or just plain wrong.

With respect to loading C<Exporter> and inheriting, there are alternatives with the use of modules like C<base> and C<parent>.

use base qw(Exporter);
# or
use parent qw(Exporter);
Any of these statements are nice replacements for
C<$\text{BEGIN}$ { require Exporter; @ISA = qw(Exporter); }>
with the same compile-time effect. The basic difference
is that C<$\text{base}$> code interacts with declared C<$\text{fields}$>
while C<$\text{parent}$> is a streamlined version of the older
C<$\text{base}$> code to just establish the IS-A relationship.

For more details, see the documentation and code of
L<$\text{base}$> and L<$\text{parent}$>.

Another thorough remedy to that runtime
vs. compile-time trap is to use L<$\text{Exporter::Easy}$>,
which is a wrapper of Exporter that allows all
boilerplate code at a single gulp in the
use statement.

    use Exporter::Easy (
       OK => \[ qw(munge frobnicate) \],
    );
    # @ISA setup is automatic
    # all assignments happen at compile time

=head2 What Not to Export

You have been warned already in L</Selecting What to Export>
to not export:

=over 4

=item *

method names (because you don't need to
and that's likely to not do what you want),

=item *

anything by default (because you don't want to surprise your users...
badly)

=item *

anything you don't need to (because less is more)

=back

There’s one more item to add to this list. Do B$\text{not}$
export variable names. Just because C<$\text{Exporter}$> lets you
do that, it does not mean you should.
@EXPORT_OK = qw($svar @avar %hvar); # DON'T!

Exporting variables is not a good idea. They can change under the hood, provoking horrible effects at-a-distance that are too hard to track and to fix. Trust me: they are not worth it.

To provide the capability to set/get class-wide settings, it is best instead to provide accessors as subroutines or class methods instead.

=head1 SEE ALSO

C<Exporter> is definitely not the only module with symbol exporter capabilities. At CPAN, you may find a bunch of them. Some are lighter. Some provide improved APIs and features. Pick the one that fits your needs. The following is a sample list of such modules.

Exporter::Easy
Exporter::Lite
Exporter::Renaming
Exporter::Tidy
Sub::Exporter / Sub::Installer
Perl6::Export / Perl6::Export::Attrs

=head1 LICENSE

This library is free software. You can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):
No license file was found, but licenses were detected in source scan.

This library is free software. You can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
No license file was found, but licenses were detected in source scan.
---
abstract: 'Implements default import method for modules'
author:
- unknown
build_requires:
  ExtUtils::MakeMaker: 0
configure_requires:
  ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.68, CPAN::Meta::Converter version 2.120921'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Exporter
no_index:
directory:
  - t
  - inc
recommends:
  Test::Pod: 1.18
  Test::Pod::Coverage: 1.04
requires:
  Carp: 1.05
resources:
  bugtracker: http://rt.perl.org/perlbug/
  license: http://dev.perl.org/licenses/
  repository: http://perl5.git.perl.org/perl.git/tree/HEAD:/lib
  x_MailingList: http://lists.perl.org/list/perl5-porters.html
version: 5.70

Found in path(s):
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):

1.718 gzip 1.9-9.el8
1.718.1 Available under license:

GNU Free Documentation License
Version 1.3, 3 November 2008

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other
functional and useful document “free” in the sense of freedom: to
assure everyone the effective freedom to copy and redistribute it,
with or without modifying it, either commercially or noncommercially.
Secondarily, this License preserves for the author and publisher a way
to get credit for their work, while not being considered responsible
for modifications made by others.

This License is a kind of "copyleft", which means that derivative
works of the document must themselves be free in the same sense. It
complements the GNU General Public License, which is a copyleft
license designed for free software.

We have designed this License in order to use it for manuals for free
software, because free software needs free documentation: a free
program should come with manuals providing the same freedoms that the
software does. But this License is not limited to software manuals;
it can be used for any textual work, regardless of subject matter or
whether it is published as a printed book. We recommend this License
principally for works whose purpose is instruction or reference.

1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that
contains a notice placed by the copyright holder saying it can be
distributed under the terms of this License. Such a notice grants a
world-wide, royalty-free license, unlimited in duration, to use that
work under the conditions stated herein. The "Document", below,
refers to any such manual or work. Any member of the public is a
licensee, and is addressed as "you". You accept the license if you
copy, modify or distribute the work in a way requiring permission
under copyright law.

A "Modified Version" of the Document means any work containing the
A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the
machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History".) To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

3. COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the
Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

A. Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version
if the original publisher of that version gives permission.
B. List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.
C. State on the Title page the name of the publisher of the Modified Version, as the publisher.
D. Preserve all the copyright notices of the Document.
E. Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.
F. Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.
G. Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.
H. Include an unaltered copy of this License.
I. Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.
J. Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.
K. For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.
L. Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.
M. Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.
N. Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.
O. Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the
list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties--for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements".
6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions
of those notices and disclaimers. In case of a disagreement between
the translation and the original version of this License or a notice
or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements",
"Dedications", or "History", the requirement (section 4) to Preserve
its Title (section 1) will typically require changing the actual
title.

9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense, or distribute it is void, and
will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license
from a particular copyright holder is reinstated (a) provisionally,
unless and until the copyright holder explicitly and finally
terminates your license, and (b) permanently, if the copyright holder
fails to notify you of the violation by some reasonable means prior to
60 days after the cessation.

Moreover, your license from a particular copyright holder is
reinstated permanently if the copyright holder notifies you of the
violation by some reasonable means, this is the first time you have
received notice of violation of this License (for any work) from that
copyright holder, and you cure the violation prior to 30 days after
your receipt of the notice.

Termination of your rights under this section does not terminate the
licenses of parties who have received copies or rights from you under
this License. If your rights have been terminated and not permanently
reinstated, receipt of a copy of some or all of the same material does
not give you any rights to use it.

10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the
GNU Free Documentation License from time to time. Such new versions
will be similar in spirit to the present version, but may differ in
detail to address new problems or concerns. See

Each version of the License is given a distinguishing version number.
If the Document specifies that a particular numbered version of this
License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

11. RELICENSING

"Massive Multiauthor Collaboration Site" (or "MMC Site") means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A "Massive Multiauthor Collaboration" (or "MMC") contained in the site means any set of copyrightable works thus published on the MMC site.

"CC-BY-SA" means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

"Incorporate" means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is "eligible for relicensing" if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (c) YEAR YOUR NAME.
Permission is granted to copy, distribute and/or modify this document
under the terms of the GNU Free Documentation License, Version 1.3
or any later version published by the Free Software Foundation;
with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts.
A copy of the license is included in the section entitled “GNU
Free Documentation License”.

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts,
replace the “with...Texts.” line with this:

with the Invariant Sections being LIST THEIR TITLES, with the
Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.

If you have Invariant Sections without Cover Texts, or some other
combination of the three, merge those two alternatives to suit the
situation.

If your document contains nontrivial examples of program code, we
recommend releasing these examples in parallel under your choice of
free software license, such as the GNU General Public License,
to permit their use in free software.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.
To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers’ and authors’ protection, the GPL clearly explains that there is no warranty for this free software. For both users’ and authors’ sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users’ freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.
"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to “keep intact all notices”.

Open Source Used In CSPC_Collector 2.9.1 7488
c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.
If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions“ are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:
a) Disclaiming warranty or limiting liability differently from the
terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or
author attributions in that material or in the Appropriate Legal
Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or
requiring that modified versions of such material be marked in
reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or
authors of the material; or

e) Declining to grant rights under trademark law for use of some
trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that
material by anyone who conveys the material (or modified versions of
it) with contractual assumptions of liability to the recipient, for
any liability that these contractual assumptions directly impose on
those licensors and authors.

All other non-permissive additional terms are considered “further
restrictions” within the meaning of section 10. If the Program as you
received it, or any part of it, contains a notice stating that it is
governed by this License along with a term that is a further
restriction, you may remove that term. If a license document contains
a further restriction but permits relicensing or conveying under this
License, you may add to a covered work material governed by the terms
of that license document, provided that the further restriction does
not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you
must place, in the relevant source files, a statement of the
additional terms that apply to those files, or a notice indicating
where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the
form of a separately written license, or stated as exceptions;
the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly
provided under this License. Any attempt otherwise to propagate or
modify it is void, and will automatically terminate your rights under
this License (including any patent licenses granted under the third
However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if
You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the
covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single
combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.> Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

1.719 perl-net-ssleay 1.88-1.el8
1.719.1 Available under license:

The Artistic License 2.0

Copyright (c) 2000-2006, The Perl Foundation.

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

This license establishes the terms under which a given free software
Package may be copied, modified, distributed, and/or redistributed.
The intent is that the Copyright Holder maintains some artistic
control over the development of that Package while still keeping the
Package available as open source and free software.

You are always permitted to make arrangements wholly outside of this
license directly with the Copyright Holder of a given Package. If the
terms of this license do not permit the full use that you propose to
make of the Package, you should contact the Copyright Holder and seek
a different licensing arrangement.
Definitions

"Copyright Holder" means the individual(s) or organization(s) named in the copyright notice for the entire Package.

"Contributor" means any party that has contributed code or other material to the Package, in accordance with the Copyright Holder's procedures.

"You" and "your" means any person who would like to copy, distribute, or modify the Package.

"Package" means the collection of files distributed by the Copyright Holder, and derivatives of that collection and/or of those files. A given Package may consist of either the Standard Version, or a Modified Version.

"Distribute" means providing a copy of the Package or making it accessible to anyone else, or in the case of a company or organization, to others outside of your company or organization.

"Distributor Fee" means any fee that you charge for Distributing this Package or providing support for this Package to another party. It does not mean licensing fees.

"Standard Version" refers to the Package if it has not been modified, or has been modified only in ways explicitly requested by the Copyright Holder.

"Modified Version" means the Package, if it has been changed, and such changes were not explicitly requested by the Copyright Holder.

"Original License" means this Artistic License as Distributed with the Standard Version of the Package, in its current version or as it may be modified by The Perl Foundation in the future.

"Source" form means the source code, documentation source, and configuration files for the Package.

"Compiled" form means the compiled bytecode, object code, binary, or any other form resulting from mechanical transformation or translation of the Source form.

Permission for Use and Modification Without Distribution

(1) You are permitted to use the Standard Version and create and use
Modified Versions for any purpose without restriction, provided that
you do not Distribute the Modified Version.

Permissions for Redistribution of the Standard Version

(2) You may Distribute verbatim copies of the Source form of the
Standard Version of this Package in any medium without restriction,
either gratis or for a Distributor Fee, provided that you duplicate
all of the original copyright notices and associated disclaimers. At
your discretion, such verbatim copies may or may not include a
Compiled form of the Package.

(3) You may apply any bug fixes, portability changes, and other
modifications made available from the Copyright Holder. The resulting
Package will still be considered the Standard Version, and as such
will be subject to the Original License.

Distribution of Modified Versions of the Package as Source

(4) You may Distribute your Modified Version as Source (either gratis
or for a Distributor Fee, and with or without a Compiled form of the
Modified Version) provided that you clearly document how it differs
from the Standard Version, including, but not limited to, documenting
any non-standard features, executables, or modules, and provided that
you do at least ONE of the following:

(a) make the Modified Version available to the Copyright Holder
    of the Standard Version, under the Original License, so that the
    Copyright Holder may include your modifications in the Standard
    Version.

(b) ensure that installation of your Modified Version does not
    prevent the user installing or running the Standard Version. In
    addition, the Modified Version must bear a name that is different
    from the name of the Standard Version.

(c) allow anyone who receives a copy of the Modified Version to
    make the Source form of the Modified Version available to others
    under

    (i) the Original License or

    (ii) a license that permits the licensee to freely copy,
         modify and redistribute the Modified Version using the same
         licensing terms that apply to the copy that the licensee
         received, and requires that the Source form of the Modified
Version, and of any works derived from it, be made freely available in that license fees are prohibited but Distributor Fees are allowed.

Distribution of Compiled Forms of the Standard Version or Modified Versions without the Source

(5) You may Distribute Compiled forms of the Standard Version without the Source, provided that you include complete instructions on how to get the Source of the Standard Version. Such instructions must be valid at the time of your distribution. If these instructions, at any time while you are carrying out such distribution, become invalid, you must provide new instructions on demand or cease further distribution. If you provide valid instructions or cease distribution within thirty days after you become aware that the instructions are invalid, then you do not forfeit any of your rights under this license.

(6) You may Distribute a Modified Version in Compiled form without the Source, provided that you comply with Section 4 with respect to the Source of the Modified Version.

Aggregating or Linking the Package

(7) You may aggregate the Package (either the Standard Version or Modified Version) with other packages and Distribute the resulting aggregation provided that you do not charge a licensing fee for the Package. Distributor Fees are permitted, and licensing fees for other components in the aggregation are permitted. The terms of this license apply to the use and Distribution of the Standard or Modified Versions as included in the aggregation.

(8) You are permitted to link Modified and Standard Versions with other works, to embed the Package in a larger work of your own, or to build stand-alone binary or bytecode versions of applications that include the Package, and Distribute the result without restriction, provided the result does not expose a direct interface to the Package.

Items That are Not Considered Part of a Modified Version

(9) Works (including, but not limited to, modules and scripts) that merely extend or make use of the Package, do not, by themselves, cause the Package to be a Modified Version. In addition, such works are not considered parts of the Package itself, and are not subject to the terms of this license.
General Provisions

(10) Any use, modification, and distribution of the Standard or Modified Versions is governed by this Artistic License. By using, modifying or distributing the Package, you accept this license. Do not use, modify, or distribute the Package, if you do not accept this license.

(11) If your Modified Version has been derived from a Modified Version made by someone other than you, you are nevertheless required to ensure that your Modified Version complies with the requirements of this license.

(12) This license does not grant you the right to use any trademark, service mark, tradename, or logo of the Copyright Holder.

(13) This license includes the non-exclusive, worldwide, free-of-charge patent license to make, have made, use, offer to sell, sell, import and otherwise transfer the Package with respect to any patent claims licensable by the Copyright Holder that are necessarily infringed by the Package. If you institute patent litigation (including a cross-claim or counterclaim) against any party alleging that the Package constitutes direct or contributory patent infringement, then this Artistic License to you shall terminate on the date that such litigation is filed.

(14) Disclaimer of Warranty:
THE PACKAGE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES. THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT ARE DISCLAIMED TO THE EXTENT PERMITTED BY YOUR LOCAL LAW. UNLESS REQUIRED BY LAW, NO COPYRIGHT HOLDER OR CONTRIBUTOR WILL BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING IN ANY WAY OUT OF THE USE OF THE PACKAGE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.720 free-type 2.9.1 4.el8_3.1
1.720.1 Available under license :
The FreeType Project LICENSE
--------------------------------
2006-Jan-27
Copyright 1996-2002, 2006 by
David Turner, Robert Wilhelm, and Werner Lemberg
Introduction
============

The FreeType Project is distributed in several archive packages; some of them may contain, in addition to the FreeType font engine, various tools and contributions which rely on, or relate to, the FreeType Project.

This license applies to all files found in such packages, and which do not fall under their own explicit license. The license affects thus the FreeType font engine, the test programs, documentation and makefiles, at the very least.

This license was inspired by the BSD, Artistic, and IJG (Independent JPEG Group) licenses, which all encourage inclusion and use of free software in commercial and freeware products alike. As a consequence, its main points are that:

- We don't promise that this software works. However, we will be interested in any kind of bug reports. ("as is" distribution)

- You can use this software for whatever you want, in parts or full form, without having to pay us. ("royalty-free" usage)

- You may not pretend that you wrote this software. If you use it, or only parts of it, in a program, you must acknowledge somewhere in your documentation that you have used the FreeType code. ("credits")

We specifically permit and encourage the inclusion of this software, with or without modifications, in commercial products. We disclaim all warranties covering The FreeType Project and assume no liability related to The FreeType Project.

Finally, many people asked us for a preferred form for a credit/disclaimer to use in compliance with this license. We thus encourage you to use the following text:

```text
"""
Portions of this software are copyright <year> The FreeType Project (www.freetype.org). All rights reserved.
"""

Please replace <year> with the value from the FreeType version you
Legal Terms
============

0. Definitions
------------

Throughout this license, the terms `package', `FreeType Project', and `FreeType archive' refer to the set of files originally distributed by the authors (David Turner, Robert Wilhelm, and Werner Lemberg) as the `FreeType Project', be they named as alpha, beta or final release.

`You' refers to the licensee, or person using the project, where `using' is a generic term including compiling the project's source code as well as linking it to form a `program' or `executable'. This program is referred to as `a program using the FreeType engine'.

This license applies to all files distributed in the original FreeType Project, including all source code, binaries and documentation, unless otherwise stated in the file in its original, unmodified form as distributed in the original archive. If you are unsure whether or not a particular file is covered by this license, you must contact us to verify this.

The FreeType Project is copyright (C) 1996-2000 by David Turner, Robert Wilhelm, and Werner Lemberg. All rights reserved except as specified below.

1. No Warranty
------------

THE FREETYPE PROJECT IS PROVIDED `AS IS' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL ANY OF THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY DAMAGES CAUSED BY THE USE OR THE INABILITY TO USE, OF THE FREETYPE PROJECT.

2. Redistribution
------------

This license grants a worldwide, royalty-free, perpetual and irrevocable right and license to use, execute, perform, compile, display, copy, create derivative works of, distribute and
sublicense the FreeType Project (in both source and object code forms) and derivative works thereof for any purpose; and to authorize others to exercise some or all of the rights granted herein, subject to the following conditions:

- Redistribution of source code must retain this license file ("FTL.TXT") unaltered; any additions, deletions or changes to the original files must be clearly indicated in accompanying documentation. The copyright notices of the unaltered, original files must be preserved in all copies of source files.

- Redistribution in binary form must provide a disclaimer that states that the software is based in part of the work of the FreeType Team, in the distribution documentation. We also encourage you to put an URL to the FreeType web page in your documentation, though this isn't mandatory.

These conditions apply to any software derived from or based on the FreeType Project, not just the unmodified files. If you use our work, you must acknowledge us. However, no fee need be paid to us.

3. Advertising

Neither the FreeType authors and contributors nor you shall use the name of the other for commercial, advertising, or promotional purposes without specific prior written permission.

We suggest, but do not require, that you use one or more of the following phrases to refer to this software in your documentation or advertising materials: 'FreeType Project', 'FreeType Engine', 'FreeType library', or 'FreeType Distribution'.

As you have not signed this license, you are not required to accept it. However, as the FreeType Project is copyrighted material, only this license, or another one contracted with the authors, grants you the right to use, distribute, and modify it. Therefore, by using, distributing, or modifying the FreeType Project, you indicate that you understand and accept all the terms of this license.

4. Contacts

There are two mailing lists related to FreeType:
Discusses general use and applications of FreeType, as well as future and wanted additions to the library and distribution. If you are looking for support, start in this list if you haven't found anything to help you in the documentation.

Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc.

Our home page can be found at https://www.freetype.org

--- end of FTL.TXT ---

# Files that don't get a copyright, or which are taken from elsewhere.
# All lines in this file are patterns, including the comment lines; this
# means that e.g. `FTL.TXT' matches all files that have this string in
# the file name (including the path relative to the current directory,
# always starting with `./').
# Don't put empty lines into this file!

.gitignore

builds/unix/pkg.m4

docs/FTL.TXT
docs/GPLv2.TXT

include/freetype/internal/fthash.h

src/base/fthash.c
src/base/md5.c
src/base/md5.h

src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
The FreeType 2 font engine is copyrighted work and cannot be used legally without a software license. In order to make this project usable to a vast majority of developers, we distribute it under two mutually exclusive open-source licenses.

This means that *you* must choose *one* of the two licenses described below, then obey all its terms and conditions when using FreeType 2 in any of your projects or products.

- The FreeType License, found in the file `FTL.TXT`, which is similar to the original BSD license *with* an advertising clause that forces you to explicitly cite the FreeType project in your product's
documentation. All details are in the license file. This license is suited to products which don't use the GNU General Public License.

Note that this license is compatible to the GNU General Public License version 3, but not version 2.

- The GNU General Public License version 2, found in `GPLv2.TXT` (any later version can be used also), for programs which already use the GPL. Note that the FTL is incompatible with GPLv2 due to its advertisement clause.

The contributed BDF and PCF drivers come with a license similar to that of the X Window System. It is compatible to the above two licenses (see file src/bdf/README and src/pcf/README). The same holds for the files `fthash.c` and `fthash.h`; their code was part of the BDF driver in earlier FreeType versions.

The gzip module uses the zlib license (see src/gzip/zlib.h) which too is compatible to the above two licenses.

The MD5 checksum support (only used for debugging in development builds) is in the public domain.

--- end of LICENSE.TXT ---

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.721 wstx-asl 3.2.4

1.722 readline 7.0 10.el8
1.722.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA  02111-1307  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.
10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

  Gnomovision version 69, Copyright (C) year name of author
  Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
  This is free software, and you are welcome to redistribute it
  under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

  Yoyodyne, Inc., hereby disclaims all copyright interest in the program
  `Gnomovision' (which makes passes at compilers) written by James Hacker.

  <signature of Ty Coon>, 1 April 1989
  Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic
pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.
An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.
The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you
receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.
You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.
7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you
received it, or any part of it, contains a notice stating that it is
governed by this License along with a term that is a further
restriction, you may remove that term. If a license document contains
a further restriction but permits relicensing or conveying under this
License, you may add to a covered work material governed by the terms
of that license document, provided that the further restriction does
not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you
must place, in the relevant source files, a statement of the
additional terms that apply to those files, or a notice indicating
where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the
form of a separately written license, or stated as exceptions;
the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly
provided under this License. Any attempt otherwise to propagate or
modify it is void, and will automatically terminate your rights under
this License (including any patent licenses granted under the third
paragraph of section 11).

However, if you cease all violation of this License, then your
license from a particular copyright holder is reinstated (a)
provisionally, unless and until the copyright holder explicitly and
finally terminates your license, and (b) permanently, if the copyright
holder fails to notify you of the violation by some reasonable means
prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is
reinstated permanently if the copyright holder notifies you of the
violation by some reasonable means, this is the first time you have
received notice of violation of this License (for any work) from that
copyright holder, and you cure the violation prior to 30 days after
your receipt of the notice.

Termination of your rights under this section does not terminate the
licenses of parties who have received copies or rights from you under
this License. If your rights have been terminated and not permanently
reinstated, you do not qualify to receive new licenses for the same
material under section 10.


You are not required to accept this License in order to receive or
run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.
Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement,
or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you
Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program.  If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License.  Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs.  If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library.  If this is what you want to do, use the GNU Lesser General
Public License instead of this License.  But first, please read
@c The GNU Free Documentation License.
@center Version 1.3, 3 November 2008
PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document free in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.
A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain @sc{ascii} without markup, Texinfo input format, La@TeX{} input format, @acronym{SGML} or @acronym{XML} using a publicly available @acronym{DTD}, and standard-conforming simple @acronym{HTML}. PostScript or @acronym{PDF} designed for human modification. Examples of transparent image formats include @acronym{PNG}, @acronym{XCF} and
Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, @acronym{SGML} or @acronym{XML} for which the @acronym{DTD} and/or processing tools are not generally available, and the machine-generated @acronym{HTML}, PostScript or @acronym{PDF} produced by some word processors for output purposes only.

The ``Title Page'' means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, ``Title Page'' means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The ``publisher'' means any person or entity that distributes copies of the Document to the public.

A section ``Entitled XYZ'' means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as ``Acknowledgements'', ``Dedications'', ``Endorsements'', or ``History''.) To ``Preserve the Title'' of such a section when you modify the Document means that it remains a section ``Entitled XYZ'' according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.
COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

State on the Title page the name of the publisher of the Modified Version, as the publisher.

Preserve all the copyright notices of the Document.

Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

Include an unaltered copy of this License.

Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled ``Acknowledgements'' or ``Dedications'', Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled ``Endorsements''. Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled ``Endorsements'' or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled ``Endorsements'', provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or
through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item

COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled ``History'' in the various original documents, forming one section Entitled ``History''; likewise combine any sections Entitled ``Acknowledgements'', and any sections Entitled ``Dedications''. You must delete all sections Entitled ``Endorsements.''

@item

COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and
will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RELICENSING

``Massive Multiauthor Collaboration Site“ (or “MMC Site”) means any
World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A "Massive Multiauthor Collaboration" (or "MMC") contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA`` means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate`` means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is ``eligible for relicensing'' if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page

@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@generic
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled ``GNU Free Documentation License``.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts,
@small example
@group
  with the Invariant Sections being @var{list their titles}, with
  the Front-Cover Texts being @var{list}, and with the Back-Cover Texts
  being @var{list}.
@end group

If you have Invariant Sections without Cover Texts, or some other
combination of the three, merge those two alternatives to suit the
situation.

If your document contains nontrivial examples of program code, we
recommend releasing these examples in parallel under your choice of
free software license, such as the GNU General Public License,
to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

1.723 jackson-annotations 2.9.8
1.723.1 Available under license:

This copy of Jackson JSON processor annotations is licensed under the
Apache (Software) License, version 2.0 ("the License").
See the License for details about distribution rights, and the
specific rights regarding derivate works.

You may obtain a copy of the License at:

http://www.apache.org/licenses/LICENSE-2.0

1.724 auto-common 0.8
1.724.1 Available under license:

No license file was found, but licenses were detected in source scan.

/ *
* Copyright (C) 2013 Google, Inc.
* Copyright (C) 2013 Square, Inc.
* *
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1136019568_1613655152.39/0/auto-common-0-8-sources-1-
  jar/com/google/auto/common/MoreElements.java
No license file was found, but licenses were detected in source scan.

/ *
* Copyright (C) 2016 Google, Inc.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1136019568_1613655152.39/0/auto-common-0-8-sources-1-
  jar/com/google/auto/common/Overrides.java
No license file was found, but licenses were detected in source scan.

/ *
* Copyright (C) 2014 Google, Inc.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
  * /opt/cola/permits/1136019568_1613655152.39/0/auto-common-0-8-sources-1-jar/com/google/auto/common/AnnotationMirrors.java
  * /opt/cola/permits/1136019568_1613655152.39/0/auto-common-0-8-sources-1-jar/com/google/auto/common/SuperficialValidation.java
  * /opt/cola/permits/1136019568_1613655152.39/0/auto-common-0-8-sources-1-jar/com/google/auto/common/Visibility.java
  * /opt/cola/permits/1136019568_1613655152.39/0/auto-common-0-8-sources-1-jar/com/google/auto/common/AnnotationValues.java
  * /opt/cola/permits/1136019568_1613655152.39/0/auto-common-0-8-sources-1-jar/com/google/auto/common/MoreTypes.java
  * /opt/cola/permits/1136019568_1613655152.39/0/auto-common-0-8-sources-1-jar/com/google/auto/common/BasicAnnotationProcessor.java

1.725 jetty-continuation 9.4.11.v20180605

1.726 hk2-api 2.4.0-b34
1.726.1 Available under license :
  CDDL + GPLv2 with classpath exception
  https://glassfish.java.net/nonav/public/CDDL+GPL_1_1.html
  A business-friendly OSS license

1.727 libpciaccess 0.14 1.el8
1.727.1 Available under license :
  (C) Copyright IBM Corporation 2006, 2007
  (C) Copyright Eric Anholt 2006
  (C) Copyright Mark Kettenis 2011
  (C) Copyright Robert Millan 2012
  Copyright 2009, 2012 Red Hat, Inc.
  All Rights Reserved.

  Permission is hereby granted, free of charge, to any person obtaining a copy
  of this software and associated documentation files (the "Software"), to
  deal in the Software without restriction, including without limitation on
  the rights to use, copy, modify, merge, publish, distribute, sub license,
  and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL IBM AND/OR THEIR SUPPLIERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

----------------------------------------------------------------------------------
Copyright (c) 2008 Juan Romero Pardines
Copyright (c) 2008, 2011 Mark Kettenis
Copyright (c) 2009 Michael Lorenz
Copyright (c) 2009, 2012 Samuel Thibault

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

----------------------------------------------------------------------------------
Copyright (C) 2000 The XFree86 Project, Inc. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE XFREE86 PROJECT BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the XFree86 Project shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the XFree86 Project.

________________________________________________________________________

Copyright (c) 2007 Paulo R. Zanoni, Tiago Vignatti
Copyright (c) 2009 Tiago Vignatti

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
1.729.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

**GNU GENERAL PUBLIC LICENSE**

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.730 c-ares 1.13.0 5.el8
1.730.1 Available under license:

# c-ares license

Copyright (c) 2007 - 2016, Daniel Stenberg with many contributors, see AUTHORS file.

Copyright 1998 by the Massachusetts Institute of Technology.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. M.I.T. makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

Copyright (C) 2004 by Daniel Stenberg et al

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. M.I.T. makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

1.731 python-slip 0.6.4 11.el8
1.731.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place - Suite 330, Boston, MA 02111-1307, USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and “any
later version”, you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) 19yy name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.732 endpoints 1429803998
1.732.1 Available under license:
No license file was found, but licenses were detected in source scan.


Found in path(s):

1.733 python-pip 9.0.1-6.ph2
1.733.1 Available under license:
Copyright (c) 2008-2016 The pip developers (see AUTHORS.txt file)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.734 perl-try-tiny 0.30-2.el8
1.734.1 Available under license:
This software is Copyright (c) 2009 by ' (Yuval Kogman).

This is free software, licensed under:

The MIT (X11) License

The MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.735 perl-scalar-list-utils 1.49-2.el8

1.735.1 Available under license:
No license file was found, but licenses were detected in source scan.

=head1 NAME

List::Util::XS - Indicate if List::Util was compiled with a C compiler

=head1 SYNOPSIS

use List::Util::XS 1.20;

=head1 DESCRIPTION

C<List::Util::XS> can be used as a dependency to ensure List::Util was installed using a C compiler and that the XS version is installed.

During installation C<$List::Util::XS::VERSION> will be set to C<undef> if the XS was not compiled.

Starting with release 1.23_03, Scalar-List-Util is B<always> using the XS implementation, but for backwards compatibility, we still ship the C<List::Util::XS> module which just loads C<List::Util>.
=head1 SEE ALSO

L<Scalar::Util>, L<List::Util>, L<List::MoreUtils>

=head1 COPYRIGHT

Copyright (c) 2008 Graham Barr <gbarr@pobox.com>. All rights reserved. This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):

No license file was found, but licenses were detected in source scan.

# Copyright (c) 1997-2009 Graham Barr <gbarr@pobox.com>. All rights reserved. # This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 KNOWN BUGS

=head2 RT #95409

L<https://rt.cpan.org/Ticket/Display.html?id=95409>

If the block of code given to L<pairmap> contains lexical variables that are captured by a returned closure, and the closure is executed after the block has been re-used for the next iteration, these lexicals will not see the correct values. For example:

my @subs = pairmap {
    my $var = "$a is $b";
    sub { print "$var\n" ;}
} one => 1, two => 2, three => 3;

$_->() for @subs;

Will incorrectly print

three is 3
three is 3
three is 3

This is due to the performance optimisation of using C<MULTICALL> for the code block, which means that fresh SVs do not get allocated for each call to the
block. Instead, the same SV is re-assigned for each iteration, and all the closures will share the value seen on the final iteration.

To work around this bug, surround the code with a second set of braces. This creates an inner block that defeats the C<MULTICALL> logic, and does get fresh SVs allocated each time:

```perl
my @subs = pairmap {
    { my $var = "$a is $b";
        sub { print "$var\n"; } }
} one => 1, two => 2, three => 3;
```

This bug only affects closures that are generated by the block but used afterwards. Lexical variables that are only used during the lifetime of the block's execution will take their individual values for each invocation, as normal.

=head2 uniqnum() on oversized bignums

Due to the way that C<uniqnum()> compares numbers, it cannot distinguish differences between bignums (especially bigints) that are too large to fit in the native platform types. For example,

```perl
my $x = Math::BigInt->new( "1" x 100 );
my $y = $x + 1;
```

say for uniqnum( $x, $y );

Will print just the value of C<$x>, believing that C<$y> is a numerically-equivalent value. This bug does not affect C<uniqstr()>, which will correctly observe that the two values stringify to different strings.

=head1 SUGGESTED ADDITIONS

The following are additions that have been requested, but I have been reluctant to add due to them being very simple to implement in perl

# How many elements are true

```perl
sub true { scalar grep { $_ } @_ }
```

# How many elements are false

```perl
sub false { scalar grep { !_$_ } @_ }
```

=head1 SEE ALSO
L<Scalar::Util>, L<List::MoreUtils>

=head1 COPYRIGHT

Copyright (c) 1997-2007 Graham Barr <gbarr@pobox.com>. All rights reserved.
This program is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

Recent additions and current maintenance by
Paul Evans, <leonerd@leonerd.org.uk>.

=cut

Found in path(s):
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* Copyright (c) 1997-2000 Graham Barr <gbarr@pobox.com>. All rights reserved.
* This program is free software; you can redistribute it and/or
* modify it under the same terms as Perl itself.
*/

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*

ppport.h -- Perl/Pollution/Portability Version 3.19_02

Automatically created by Devel::PPPort running under perl 5.010000.

Do NOT edit this file directly! -- Edit PPPort_pm.PL and the
includes in parts/inc/ instead.

Open Source Used In CSPC_Collector 2.9.1 7581
Use 'perldoc ppport.h' to view the documentation below.

----------------------------------------------------------------------

SKIP

=pod

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.19_02

=head1 SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help show short help

--version show version

--patch=file write one patch file with changes
--copy=suffix write changed copies with suffix
--diff=program use diff program and options

--compat-version=version provide compatibility with Perl version
--cplusplus accept C++ comments

--quiet don't output anything except fatal errors
--nodiag don't show diagnostics
--nohints don't show hints
--nochanges don't suggest changes
--nofilter don't filter input files

--strip strip all script and doc functionality from ppport.h

--list-provided list provided API
--list-unsupported list unsupported API
--api-info=name show Perl API portability information

=head1 COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.11.5.

=head1 OPTIONS
=head2 --help

Display a brief usage summary.

=head2 --version

Display the version of F<ppport.h>.

=head2 --patch=I<file>

If this option is given, a single patch file will be created if any changes are suggested. This requires a working diff program to be installed on your system.

=head2 --copy=I<suffix>

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs. Note that this does not automagically add a dot between the original filename and the suffix. If you want the dot, you have to include it in the option argument.

If neither C<--patch> or C<--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

=head2 --diff=I<program>

Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.

=head2 --compat-version=I<version>

Tell F<ppport.h> to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003. You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.

=head2 --cplusplus

Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.
=head2 --quiet

Be quiet. Don't print anything except fatal errors.

=head2 --nodiag

Don't output any diagnostic messages. Only portability alerts will be printed.

=head2 --nohints

Don't output any hints. Hints often contain useful portability notes. Warnings will still be displayed.

=head2 --nochanges

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>. This reduces the size of F<ppport.h> dramatically and may be useful if you want to include F<ppport.h> in smaller modules without increasing their distribution size too much.

The stripped F<ppport.h> will have a C|--unstrip> option that allows you to undo the stripping, but only if an appropriate C<Devel::PPPort> module is installed.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.

=head2 --list-unsupported

Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.
Show portability information for API elements matching I<name>. If I<name> is surrounded by slashes, it is interpreted as a regular expression.

DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

    perl ppport.h --list-provided

...to see which API elements are provided by ppport.h.

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h> will provide wrappers for older Perl versions.

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define>s in your source code before the inclusion of F<ppport.h>.

These functions or variables will be marked C<explicit> in the list shown by C<--list-provided>.

Depending on whether you module has a single or multiple files that use such functions or variables, you want either C<static> or global variants.

For a C<static> function or variable (used only in a single source file), use:
#define NEED_function
#define NEED_variable

For a global function or variable (used in multiple source files), use:

#define NEED_function_GLOBAL
#define NEED_variable_GLOBAL

Note that you mustn't have more than one global request for the same function or variable in your project.

<table>
<thead>
<tr>
<th>Function / Variable</th>
<th>Static Request</th>
<th>Global Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL_parser</td>
<td>NEED_PL_parser</td>
<td>NEED_PL_parser_GLOBAL</td>
</tr>
<tr>
<td>PL_signals</td>
<td>NEED_PL_signals</td>
<td>NEED_PL_signals_GLOBAL</td>
</tr>
<tr>
<td>eval_pv()</td>
<td>NEED_eval_pv</td>
<td>NEED_eval_pv_GLOBAL</td>
</tr>
<tr>
<td>grok_bin()</td>
<td>NEED_grok_bin</td>
<td>NEED_grok_bin_GLOBAL</td>
</tr>
<tr>
<td>grok_hex()</td>
<td>NEED_grok_hex</td>
<td>NEED_grok_hex_GLOBAL</td>
</tr>
<tr>
<td>grok_number()</td>
<td>NEED_grok_number</td>
<td>NEED_grok_number_GLOBAL</td>
</tr>
<tr>
<td>grok_numeric_radix()</td>
<td>NEED_grok_numeric_radix</td>
<td>NEED_grok_numeric_radix_GLOBAL</td>
</tr>
<tr>
<td>grok_oct()</td>
<td>NEED_grok_oct</td>
<td>NEED_grok_oct_GLOBAL</td>
</tr>
<tr>
<td>load_module()</td>
<td>NEED_load_module</td>
<td>NEED_load_module_GLOBAL</td>
</tr>
<tr>
<td>my_snprintf()</td>
<td>NEED_my_snprintf</td>
<td>NEED_my_snprintf_GLOBAL</td>
</tr>
<tr>
<td>my_sprintf()</td>
<td>NEED_my_sprintf</td>
<td>NEED_my_sprintf_GLOBAL</td>
</tr>
<tr>
<td>my_strlcat()</td>
<td>NEED_my_strlcat</td>
<td>NEED_my_strlcat_GLOBAL</td>
</tr>
<tr>
<td>my_strlcpy()</td>
<td>NEED_my_strlcpy</td>
<td>NEED_my_strlcpy_GLOBAL</td>
</tr>
<tr>
<td>newCONSTSUB()</td>
<td>NEED_newCONSTSUB</td>
<td>NEED_newCONSTSUB_GLOBAL</td>
</tr>
<tr>
<td>newRV_noinc()</td>
<td>NEED_newRV_noinc</td>
<td>NEED_newRV_noinc_GLOBAL</td>
</tr>
<tr>
<td>newSV_type()</td>
<td>NEED_newSV_type</td>
<td>NEED_newSV_type_GLOBAL</td>
</tr>
<tr>
<td>newSVpvn_flags()</td>
<td>NEED_newSVpvn_flags</td>
<td>NEED_newSVpvn_flags_GLOBAL</td>
</tr>
<tr>
<td>newSVpvn_share()</td>
<td>NEED_newSVpvn_share</td>
<td>NEED_newSVpvn_share_GLOBAL</td>
</tr>
<tr>
<td>pv_display()</td>
<td>NEED_pv_display</td>
<td>NEED_pv_display_GLOBAL</td>
</tr>
<tr>
<td>pv_escape()</td>
<td>NEED_pv_escape</td>
<td>NEED_pv_escape_GLOBAL</td>
</tr>
<tr>
<td>pv_pretty()</td>
<td>NEED_pv_pretty</td>
<td>NEED_pv_pretty_GLOBAL</td>
</tr>
<tr>
<td>sv_2pv_flags()</td>
<td>NEED_sv_2pv_flags</td>
<td>NEED_sv_2pv_flags_GLOBAL</td>
</tr>
<tr>
<td>sv_2pbyte()</td>
<td>NEED_sv_2pbyte</td>
<td>NEED_sv_2pbyte_GLOBAL</td>
</tr>
<tr>
<td>sv_catpvf_mg()</td>
<td>NEED_sv_catpvf_mg</td>
<td>NEED_sv_catpvf_mg_GLOBAL</td>
</tr>
<tr>
<td>sv_catpvf_mg_nocontext()</td>
<td>NEED_sv_catpvf_mg_nocontext</td>
<td>NEED_sv_catpvf_mg_nocontext_GLOBAL</td>
</tr>
<tr>
<td>sv_pvn_force_flags()</td>
<td>NEED_sv_pvn_force_flags</td>
<td>NEED_sv_pvn_force_flags_GLOBAL</td>
</tr>
<tr>
<td>sv_setpvf_mg()</td>
<td>NEED_sv_setpvf_mg</td>
<td>NEED_sv_setpvf_mg_GLOBAL</td>
</tr>
<tr>
<td>sv_setpvf_mg_nocontext()</td>
<td>NEED_sv_setpvf_mg_nocontext</td>
<td>NEED_sv_setpvf_mg_nocontext_GLOBAL</td>
</tr>
<tr>
<td>vload_module()</td>
<td>NEED_vload_module</td>
<td>NEED_vload_module_GLOBAL</td>
</tr>
<tr>
<td>vnewSVpvn()</td>
<td>NEED_vnewSVpvn</td>
<td>NEED_vnewSVpvn_GLOBAL</td>
</tr>
<tr>
<td>warner()</td>
<td>NEED_warner</td>
<td>NEED_warner_GLOBAL</td>
</tr>
</tbody>
</table>

To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the C<DPPP_NAMESPACE>
macro. Just C<#define> the macro before including C<ppport.h>:

    #define DPPP_NAMESPACE MyOwnNamespace_
    #include "ppport.h"

The default namespace is C<DPPP_>.

=back

The good thing is that most of the above can be checked by running F<ppport.h> on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether F<ppport.h> is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, F<ppport.h> can be run as a Perl script to check your source code. Simply say:

    perl ppport.h

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

    perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff

If you only want your code to be scanned without any suggestions for changes, use:

    perl ppport.h --nochanges

You can specify a different C<diff> program or options, using the C<--diff> option:

    perl ppport.h --diff='diff -C 10'

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:

    perl ppport.h --copy=.new
To display portability information for the `newSVpvn` function, use:

```
perl ppport.h --api-info=newSVpvn
```

Since the argument to `--api-info` can be a regular expression, you can use

```
perl ppport.h --api-info=/_nomg$/
```

to display portability information for all `C<_nomg>` functions or

```
perl ppport.h --api-info=/./
```

to display information for all known API elements.

=head1 BUGS

If this version of `ppport.h` is causing failure during the compilation of this module, please check if newer versions of either this module or `Devel::PPPort` are available on CPAN before sending a bug report.

If `ppport.h` was generated using the latest version of `Devel::PPPort` and is causing failure of this module, please file a bug report using the CPAN Request Tracker at L<http://rt.cpan.org/>.

Please include the following information:

=over 4

=item 1.

The complete output from running "perl -V"

=item 2.

This file.

=item 3.

The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.
=item 5.

Any other information that you think could be relevant.
=back

For the latest version of this code, please get the C<Devel::PPPort> module from CPAN.

=head1 COPYRIGHT

Version 3.x, Copyright (c) 2004-2010, Marcus Holland-Moritz.

Version 2.x, Copyright (C) 2001, Paul Marquess.

Version 1.x, Copyright (C) 1999, Kenneth Albanowski.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

See L<Devel::PPPort>.
=cut

use strict;

# Disable broken TRIE-optimization
BEGIN { eval '${^RE_TRIE_MAXBUF} = -1' if $] >= 5.009004 && $] <= 5.009005 }

my $VERSION = 3.19_02;

my %opt = (quiet => 0, diag => 1, hints => 1, changes => 1, cplusplus => 0, filter => 1, strip => 0, version => 0);

my($ppport) = $0 =~ /\[(\w.]+)$/;
my $LF = '(?:\r\n|\[\r\n\])';   # line feed
my $HS = '[ \t\]';             # horizontal whitespace
# Never use C comments in this file!
my $ccs = '/.*';
my $cce = '*./';
my $rccs = quotemeta $ccs;
my $rcce = quotemeta $cce;

eval {
    require Getopt::Long;
    Getopt::Long::GetOptions(%opt, qw(
        help quiet diag! filter! hints! changes! cplusplus strip version
        patch=s copy=s diff=s compat-version=s
        list-provided list-unsupported api-info=s
    )) or usage();
};

if ($@ and grep /^-/,: ARGV) {
    usage() if "ARGV" =~ /^--?h(?:elp)?$/;
    die "Getopt::Long not found. Please don't use any options.

} else {
    $opt{'compat-version'} = 5;
}

my %API = map { /^(.*)|([^|]*)|([^|]*)|([a-z]*)$/? ( $1 => {
    ($2                  ? ( base     => $2 ) : ()),
    ($3                  ? ( todo     => $3 ) : ()),
    (index($4, 'v') >= 0 ? ( varargs => 1  ) : ()),
    (index($4, 'p') >= 0 ? ( provided => 1  ) : ()),
    (index($4, 'n') >= 0 ? ( nothxarg => 1  ) : ())},
    ...
}
: die "invalid spec: $_" } qw(
AvFILL|p 5.004050|p
AvFILL||
CLASS|n
CPERLscope|5.005000|p
CX_CURPAD_SAVE||
CX_CURPAD_SV||
CopFILEAV|5.006000|p
CopFILEGV_set|5.006000|p
CopFILEGV|5.006000|p
CopFILESV|5.006000|p
CopFILE_set|5.006000|p
CopFILE|5.006000|p
CopSTASHPV_set|5.006000|p
CopSTASHPV|5.006000|p
CopSTASH_eq|5.006000|p
CopSTASH_set|5.006000|p
CopSTASH|5.006000|p
CopyD|5.009002|p
Copy||
CvPADLIST||
CvSTASH||
CvWEAKOUTSIDE||
DEFSV_set|5.010001|p
DEFSV|5.004050|p
END_EXTERN_C|5.005000|p
ENTER||
ERRSV|5.004050|p
EXTERN||
EXTERN_C|5.005000|p
F0convert||n
FREETMPS||
GIMME_V|5.004000|n
GIMME||n
GROK_NUMERIC_RADIX|5.007002|p
G_ARRAY||
G_DISCARD||
G_EVAL||
G_METHOD|5.006001|p
G_NOARGS||
G_SCALAR||
G_VOID|5.004000|
GetVars||
GvSVn|5.009003|p
GvSV||
Gv_AMupdate|5.011000|
HEL_SVKEY|5.004000|
PERL_MAGIC_pos[5.007002]
PERL_MAGIC_qr[5.007002]
PERL_MAGIC_regdata[5.007002]
PERL_MAGIC_regdatum[5.007002]
PERL_MAGIC_regex_global[5.007002]
PERL_MAGIC_shared_scalar[5.007003]
PERL_MAGIC_shared[5.007003]
PERL_MAGIC_sigelem[5.007002]
PERL_MAGIC_sig[5.007002]
PERL_MAGIC_substr[5.007002]
PERL_MAGIC_sv[5.007002]
PERL_MAGIC_taint[5.007002]
PERL_MAGIC_tiedelem[5.007002]
PERL_MAGIC_tiedscalar[5.007002]
PERL_MAGIC_tied[5.007002]
PERL_MAGIC_utf8[5.008001]
PERL_MAGIC_uvar_elem[5.007003]
PERL_MAGIC_uvar[5.007002]
PERL_MAGIC_vec[5.007002]
PERL_MAGIC_vstring[5.008001]
PERL_PV_ESCAPE_ALL[5.009004]
PERL_PV_ESCAPE_FIRSTCHAR[5.009004]
PERL_PV_ESCAPE_NOBACKSLASH[5.009004]
PERL_PV_ESCAPE_NOCLEAR[5.009004]
PERL_PV_ESCAPE_QUOTE[5.009004]
PERL_PV_ESCAPE_RE[5.009004]
PERL_PV_ESCAPE_UNI_DETECT[5.009004]
PERL_PV_ESCAPE_UNI[5.009004]
PERL_PV_PRETTY_DUMP[5.009004]
PERL_PV_PRETTY_ELLIPSES[5.010000]
PERL_PV_PRETTY_LTGT[5.009004]
PERL_PV_PRETTY_NOCLEAR[5.010000]
PERL_PV_PRETTY_QUOTE[5.009004]
PERL_PV_PRETTY_REGPROP[5.009004]
PERL_QUAD_MAX[5.004000]
PERL_QUAD_MIN[5.004000]
PERL_REVISION[5.006000]
PERL_SCAN_ALLOW_UNDERSCORES[5.007003]
PERL_SCAN_DISALLOW_PREFIX[5.007003]
PERL_SCAN_GREATER_THAN_UV_MAX[5.007003]
PERL_SCAN_SILENT_ILLDIGIT[5.008001]
PERL_SHORT_MAX[5.004000]
PERL_SHORT_MIN[5.004000]
PERL_SIGNALS_UNSAFE_FLAG[5.008001]
PERL_SUBVERSION[5.006000]
PERL_SYS_INIT3[5.006000]
PERL_SYS_INIT[5.011005]
PERL_SYS_TERM[5.011005]

Open Source Used In CSPC_Collector 2.9.1 7594
PL_ofsgv||n
PL_opfreehook||5.011000
PL_parser||5.009005||p
PL_perl_destruct_level||5.004050||p
PL_perldb||5.004050
PL_ppadd||5.006000
PL_rsfp_filters||5.004050
PL_rsfp||5.004050
PL_rs||n
PL_signals||5.008001
PL_stack_base||5.004050
PL_stack_sp||5.004050
PL_stacache||5.005000
PL_stacngv||5.004050
PL_sv_arenaroot||5.004050
PL_sv_no||5.004050
PL_sv_undef||5.004050
PL_sv_yes||5.004050
PL_tainted||5.004050
PL_tainting||5.004050
PL_tokenbuf||5.011004
POP_MULTICALL||5.011005
POPi||n
POPi||n
POPi||n
POPi||n
POPPbytex||5.007001
POPPx||5.005030
POPP||n
POPs||n
PTR2IV||5.006000
PTR2NV||5.006000
PTR2UV||5.006000
PTR2nat||5.009003
PTR2ul||5.007001
PTRV||5.006000
PUSHMARK||
PUSH_MULTICALL||5.011005
PUSHi||
PUSHmortal||5.009002
PUSHn||
PUSHp||
PUSHs||
PUSHu||5.004000
PUTBACK||
PerlIO_clearerr||5.007003
PerlIO_close||5.007003
PerlIO_context_layers||5.009004
PerlIO_eof||5.007003
SV_SMAGIC[5.009003]|p
SV_UTF8_NO_ENCODING[5.008001]|p
SVfARG[5.009005]|p
SVf_UTF8[5.006000]|p
SVf[5.006000]|p
SVt_IV||
SVt_NV||
SVt_PVAV||
SVt_PVCV||
SVt_PVHV||
SVt_PVMG||
SVt_PV||
SafeFree||
Slab_Alloc||
Slab_Free||
Slab_to_rw||
StructCopy||
SvCUR_set||
SvCUR||
SvEND||
SvGAMAGIC[5.006001]
SvGETMAGIC[5.004050]|p
SvGROW||
SvIOK_UV[5.006000]
SvIOK_notUV[5.006000]
SvIOK_off||
SvIOK_only_UV[5.006000]
SvIOK_only|||
SvIOK_on||
SvIOKp||
SvIOK||
SvIVX||
SvIV_nomg[5.009001]|p
SvIV_set||
SvIVx||
SvIV||
SvIsCOW_shared_hash[5.008003]
SvIsCOW[5.008003]
SvLEN_set||
SvLEN||
SvLOCK[5.007003]
SvMAGIC_set[5.009003]|p
SvNIOK_off||
SvNIOKp||
SvNIOK||
SvNOK_off||
SvNOK_only||
SvNOK_on||
SvPVutf8|5.006000|
SvPVx||
SvPV||
SvREFCNT_dec||
SvREFCNT_inc_NN|5.009004||p
SvREFCNT_inc_simple_NN|5.009004||p
SvREFCNT_inc_simple_void_NN|5.009004||p
SvREFCNT_inc_simple_void|5.009004||p
SvREFCNT_inc_void_NN|5.009004||p
SvREFCNT_inc_void|5.009004||p
SvREFCNT_inc||p
SvREFCNT||
SvROK_off||
SvROK_on||
SvROK||
SvRV_set|5.009003||p
SvRV||
SvRXOK|5.009005|
SvRX|5.009005|
SvSETMAGIC||
SvSHARED_HASH|5.009003||p
SvSHARE|5.007003|
SvSTASH_set|5.009003||p
SvSTASH||
SvSetMagicSV_nosteal|5.004000|
SvSetMagicSV|5.004000|
SvSetSV_nosteal|5.004000|
SvSetSV||
SvTAINTED_off|5.004000|
SvTAINTED_on|5.004000|
SvTAINTED|5.004000|
SvTAINT||
SvTRUE||
SvTYPE||
SvUNLOCK|5.007003|
SvUOK|5.007001|5.006000|p
SvUPGRADE||
SvUTF8_off|5.006000|
SvUTF8_on|5.006000|
SvUTF8|5.006000|
SvUVXX|5.004000||p
SvUVX|5.004000||p
SvUV|5.004000||p
SvVOK|5.008001|
aTHX_\[5.006000]\nadd_data\nadd_utf16_textfilter\nadmad\nallocmy\namagic_call\namagic_cmp_locale\namagic_cmp\namagic_incmp\namagicncmp\nanonymise_cv\nany_dup\nao\nappend_elem\nappend_list\nappend_madprops\napply_atrs_my\napply_atrs_string\napplyattrs\napply\natfork_lock\natfork_unlock\nav_arylen_p\nav_create_and_push\nav_create_and_unshift_one\nav_delete\nav_exists\nav_extend\nav_fetch\nav_fill\nav_iter_p\nav_len\nav_make\nav_pop\nav_push\nav_reify\nav_shift\nav_store\nav_unshift\nav_undef\nav_unshift\nbad_type\nbind_match\nblock_end\nblock_gimme\nblock_start
boolSV[5.004000]|p
boot_core_PerlIO||
boot_core_UNIVERSAL||
boot_core_mro||
bytes_from_utf8[5.007001]|n
bytes_to_uni||n
bytes_to_utf8[5.006001]|p
call_argv[5.006000]|p
call_atexit[5.006000]
call_list[5.004000]
call_method[5.006000]|p
call_pv[5.006000]|p
call_sv[5.006000]|p
calloc[5.007002]|n
cando||
cast_i32[5.006000]
cast_iv[5.006000]
cast_ulong[5.006000]
cast_uv[5.006000]
check_type_and_open||
check_uni||
checkcomma||
checkposixcc||
ckWARN[5.006000]|p
ck_anoncode||
ck_bitop||
ck_concat||
ck_defined||
ck_delete||
ck_die||
ck_each||
ck_eof||
ck_eval||
ck_exec||
ck_exists||
ck_exit||
ck_ftst||
ck_fun||
ck_glob||
ck_grep||
ck_index||
ck_join||
ck_1fun||
ck_listiob||
ck_match||
ck_method||
ck_null||
ck_open||
do_binmode|5.004050|
do_chomp||
do_chop||
do_close||
do_delete_local||
do_dump_pad||
do_eof||
do_exec3||
do_execfree||
do_exec||
do_gv_dump|5.006000|
do_gvgv_dump|5.006000|
do_hv_dump|5.006000|
do_ipcctl||
do_ipcget||
do_join||
do_kv||
do_magic_dump|5.006000|
do_msgrcv||
do_msgsnd||
do_oddball||
do_op_dump|5.006000|
do_op_xml_dump||
do_open9|5.006000|
do_openn|5.007001|
do_open|5.004000|
do_pmop_dump|5.006000|
do_pmop_xml_dump||
do_print||
do_readline||
do_seek||
do_semop||
do_shmio||
do_smartmatch||
do_spawn_nowait||
do_spawn||
do_sprintf||
do_ssv_dump|5.006000|
do_sysseek||
do_tell||
do_trans_complex_utf8||
do_trans_complex||
do_trans_count_utf8||
do_trans_count||
do_trans_simple_utf8||
do_trans_simple||
do_trans||
do_vecget||

---

Open Source Used In CSPC_Collector 2.9.1 7607
filter_add
filter_del
filter_gets
filter_read
find_and_forget_pmops
find_array_subscript
find_beginning
find_byclass
find_hash_subscript
find_in_my_stash
find_runcv[5.008001]
find_rundefsvoffset[5.009002]
find_script
find_uninit_var
first_symbol
fold_constants
forbid_setid
force_ident
force_list
force_next
force_strict_version
force_version
force_word
forget_pmop
form_nocontext
form[5.004000]
fp_dup
fprintf_nocontext
free_global_struct
free_tied_hv_pool
free_tmps
gen_constant_list
get_arena
get_aux_mg
get_av[5.006000]
get_context[5.006000]
get_cvn_flags[5.009005]
get_cvs[5.011000]
get_cv[5.006000]
get_db_sub
get_debug_opts
get_hash_seed
get_hv[5.006000]
get_isa_hash
get_isa
get_mstats
get_no_modify
get_num
get_op_descs[5.005000]
hv_placeholders_set[5.009003]
hv_riter_p[5.009003]
hv_riter_set[5.009003]
hv_scalar[5.009001]
hv_store_ent[5.004000]
hv_store_flags[5.008000]
hv_stores[5.009004]|p
hv_store[]
hv_undef[]
ibcmp_locale[5.004000]|n
ibcmp_utf8[5.007003]
ibcmp[|n
incline[]
incpush_if_exists[]
incpush_use_sep[]
incpush[]
ingroup[]
init_argv_symbols[]
init_debugger[]
init_global_struct[]
init_i18n10n[5.006000]
init_i18n14n[5.006000]
init_ids[]
init_interp[]
init_main_stash[]
init_perllib[]
init_postdump_symbols[]
init_predump_symbols[]
init_stacks[5.005000]
init_tm[5.007002]
instr[|n
intro_my[]
intuit_method[]
intuit_more[]
invert[]
io_close[]
isALNUMC[5.006000]|p
isALNUM[]
isALPHA[]
isASCII[5.006000]|p
isBLANK[5.006001]|p
isCNTRL[5.006000]|p
isDIGIT[]
isGRAPH[5.006000]|p
isGV_with_GP[5.009004]|p
isLOWER[]
isPRINT[5.004000]|p
isPSXSPC[5.006001]|p
magic_scalarpack
magic_set_all_env
magic_setamagic
magic_setarylen
magic_setcolxfm
magic_setdbline
magic_setdefelem
magic_setenv
magic_sethint
magic_setisa
magic_setmglob
magic_setnkeys
magic_setpack
magic_setpos
magic_setregexp
magic_setsig
magic_setsubstr
magic_settaint
magic_setutf8
magic_setuvar
magic_setvec
magic_set
magic_sizepack
magic_wipepack
make_matcher
make_trie_faiutable
make_trie
malloc_good_size
malloced_size
malloc[5.007002]
markstack_grow
matcher_matches_sv
measure_struct
memEQ[5.009005]
memEQ[5.004000]
memNE[5.009005]
memNE[5.004000]
mem_colxfm
mem_log_common
mess_alloc
mess_nocontext
mess[5.006000]
method_common
mfree[5.007002]
mg_clear
mg_copy
mg_dup
mg_find
my_fork
my_htobe16
my_htobe32
my_htobe64
my_htobei
my_htob
my_htobes
my_htole16
my_htole32
my_htole64
my_htolei
my_htoles
my_hton1
my_kid
my_letoh16
my_letoh32
my_letoh64
my_letohi
my_letohl
my_letohs
my_lstat
my_memcmp
my_memset
my_ntohl
my_pclose
my_popen_list
my_popen
my_setenv
my_snprintf
my_socketpair
my_sprintf
my_stat
my_strftime
my_strlcat
my_strlcpy
my_swabn
my_swap
my_unexec
my_vsnprintf
need_utf8
newANONATTRSUB
newANONHASH
newANONLIST
newANONSUB
newASSIGNOP
newATTRSUB
newAVREF
perl_construct
perl_destruct
perl_free
perl_parse
perl_run
pidgone
pm_description
pmflag
pmop_dump
pmop_xmldump
pmruntime
pmtrans
pop_scope
pregcomp
pregexec
pregfree2
pregfree
prepend_elem
prepend_madprops
prescan_version
printf_nocontext
process_special_blocks
ptr_table_clear
ptr_table_fetch
ptr_table_find
ptr_table_free
ptr_table_new
ptr_table_split
ptr_table_store
push_scope
put_byte
pv_display
pv_escape
pv_pretty
pv_uni_display
qerror
qsortsvu
re_compile
re_croak2
re_dup_guts
re_intuit_start
re_intuit_string
readpipe_override
realloc
reentrant_free
reentrant_init
reentrant_retry

Open Source Used in CSPC_Collector 2.9.1 7622
reentrant_size
ref_array_or_hash
refcounted_he_chain_2hv
refcounted_he_fetch
refcounted_he_free
refcounted_he_new_common
refcounted_he_new
refcounted_he_value
refkids
refto
ref[5.011005]
reg_check_named_buff_matched
reg_named_buff_all[5.009005]
reg_named_buff_exists[5.009005]
reg_named_buff_fetch[5.009005]
reg_named_buff_firstkey[5.009005]
reg_named_buff_iter
reg_named_buff_nextkey[5.009005]
reg_named_buff_scalar[5.009005]
reg_named_buff
reg_namedseq
reg_node
reg_numbered_buff_fetch
reg_numbered_buff_length
reg_numbered_buff_store
reg_qr_package
reg_recode
reg_scan_name
reg_skipcomment
reg_temp_copy
reganode
regatom
regbranch
regclass_swash[5.009004]
regclass
regcppop
regcppush
regcurly
regdump_extflags
regdump[5.005000]
regdupe_internal
regexec_flags[5.005000]
regfree_internal[5.009005]
reghop3
reghop4
reghopmaybe3
regninclass
regninitcolors[5.006000]
save_delete||
save_destructor_x||5.006000|
save_destructor||5.006000|
save_freeop|||
save_freepv|||
save_freesv|||
save_generic_pvref||5.006001|
save_generic_svref||5.005030|
save_gp||5.004000|
save_hash|||
save_hdelete||5.011000|
save_helem_flags||n
save_helem_flags||5.011000|
save_helem||5.004050|
save_hints|||
save_hptr|||
save_int|||
save_item|||
save_iv||5.005000|
save_lines|||
save_list|||
save_long|||
save_magic|||
save_mortalizesv||5.007001|
save_nogv|||
save_op|||
save_padsv_and_mortalize||5.010001|
save_pptr|||
save_pushi32ptr|||
save_pushptri32ptr|||
save_pushptrptr|||
save_pushptr||5.010001|
save_re_context||5.006000|
save_scalar_at|||
save_scalar|||
save_set_svflags||5.009000|
save_shared_pvref||5.007003|
save_sptr|||
save_svref|||
save_vptr||5.006000|
savepvn|||
savepvs||5.009003|
savepv|||
savesharedpvn||5.009005|
savesharedpv||5.007003|
savestack_grow_cnt||5.008001|
savestack_grow|||
savesvpv||5.009002|
sawparens
scalar_mod_type
scalarboolean
scalarkids
scalarseq
scalarvoid
scalar
scan_bin
scan_commit
scan_const
scan_formline
scan_heredoc
scan_hex
scan_ident
scan_inputsymbol
scan_num
scan_oct
scan_str
scan_subst
scan_trans
scan_version
scan_vstring
scan_word
scope
screaminstr
search_const
seed
sequence_num
sequence_tail
sequence
set_context
set_numeric_local
set_numeric_radix
set_numeric_standard
setdefout
share_hek_flags
share_hek
si_dup
sighandler
simplify_sort
skipspace0
skipspace1
skipspace2
skipspace
softref2xv
sortcv_stacked
sortcv_xsub
sortcv ||| 
sorths_pv_flags[5.009003] 
sorths_pv[5.007003] 
space_join_names_mortal |||
s_s_dup ||| 
stack_grow ||| 
start_force ||| 
start_glob ||| 
start_subparse[5.004000] 
stashpv_hvname_match[5.011005] 
stdize_locale ||| 
store_cop_label ||| 
strEQ ||| 
strGE ||| 
strGT ||| 
strLE ||| 
strLT ||| 
strNE ||| 
str_to_version[5.006000] 
strip_return ||| 
strnEQ ||| 
strnNE ||| 
study_chunk ||| 
sub_crush_depth ||| 
sublex_done ||| 
sublex_push ||| 
sublex_start ||| 
sv_2bool ||| 
sv_2cv ||| 
sv_2io ||| 
sv_2iuv_common ||| 
sv_2iuv_non_preserve ||| 
sv_2iv_flags[5.009001] 
sv_2iv ||| 
sv_2mortal ||| 
sv_2num ||| 
sv_2nv ||| 
sv_2pv_flags[5.007002][p] 
sv_2pv_nolen[5.006000][p] 
sv_2pvbyte_nolen[5.006000][p] 
sv_2pvbyte[5.006000][p] 
sv_2pvutf8_nolen[5.006000] 
sv_2pvutf8[5.006000] 
sv_2pv ||| 
sv_2uv_flags[5.009001] 
sv_2uv[5.004000][p] 
sv_add_arena ||| 
sv_add_backref |||
sv_vsetpvf_mg|5.006000|5.004000|p
sv_vsetpvfn|5.004000|
sv_vsetpvf|5.006000|5.004000|p
sv_xmlpeek||
svtype||
swallow_bom||
swash_fetch|5.007002|
swash_get||
swash_init|5.006000|
sys_init3|5.010000|n
sys_init|5.010000|n
sys_intern_clear||
sys_intern_dup||
sys_intern_init||
sys_term|5.010000|n
taint_env||
taint_proper||
tmps_grow|5.006000|
toLOWER||
toUPPER||
to_byte_substr||
to_uni_fold|5.007003|
to_uni_lower_lc|5.006000|
to_uni_lower|5.007003|
to_uni_title_lc|5.006000|
to_uni_title|5.007003|
to_uni_upper_lc|5.006000|
to_uni_upper|5.007003|
to_utf8_case|5.007003|
to_utf8_fold|5.007003|
to_utf8_lower|5.007003|
to_utf8_substr||
to_utf8_title|5.007003|
to_utf8_upper|5.007003|
token_free||
token_getmad||
tokenize_use||
tokeq||
tokereport||
too_few_arguments||
too_many_arguments||
uiv_2buf||n
unlnk||
unpack_rec||
unpack_str|5.0070003|
unpackstring|5.008001|
unshare_hek_or_pvn||
unshare_hek||
watch|||
whichsig|||
write_no_mem|||
write_to_stderr|||
xmldump_all_perl|||
xmldump_all|||
xmldump_attr|||
xmldump_eval|||
xmldump_form|||
xmldump_indent|||v
xmldump_packsubs_perl|||
xmldump_packsubs|||
xmldump_sub_perl|||
xmldump_sub|||
xmldump_vindent|||
yyerror|||
yylex|||
yyparse|||
yywarn|||
);
if (exists $opt{'list-unsupported'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{todo};
print "$f ", '.'x(40-length($f)), " ", format_version($API{$f}{todo}), "\n";
}
exit 0;
}
# Scan for possible replacement candidates
my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;
my($hint, $define, $function);
sub find_api
{
my $code = shift;
$code =~ s{
/ (?: \*[^*]*\*+(?:[^$ccs][^*]*\*+)* / | /[^\r\n]*)
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^'\\]*(?:\\.[^'\\]*)*' }{}egsx;
grep { exists $API{$_} } $code =~ /(\w+)/mg;
}
while (<DATA>) {
if ($hint) {

Open Source Used In CSPC_Collector 2.9.1 7633


my $h = $hint->[0] eq 'Hint' ? \%hints : \%warnings;
if (m{^s*\^(s(.*?)s*)$}) {
    for (@{${hint->[1]}}) {
        $h->{$_} ||= '';  # suppress warning with older perls
        $h->{$_} .= "$1
";
    }
}
else { undef $hint }
}

$hint = [$1, [split /,\s+/, $2]]
    if m{^s*${rccs}s+(Hint|Warning):s+\{(w+:\s+:\s+\w+w+)\}s*$};
if ($define) {
    if ($define->[1] =~ /\$/) {
        $define->[1] = $;:
    } else {
        if (exists $API{$define->[0]} && $define->[1] !~ /^DPPP_/) {
            my @n = find_api($define->[1]);
            push @{$depends{$define->[0]}}, @n if @n
        }
        undef $define;
    }
}

$define = [$1, $2] if m{^s*\#s*define\s+\{(w+)(?:[^)]\}])*s+(.*)};
if ($function) {
    if (/\$/) {
        if (exists $API{$function->[0]}) {
            my @n = find_api($function->[1]);
            push @{$depends{$function->[0]}}, @n if @n
        }
        undef $function;
    } else {
        $function->[1] .= $_;
    }
}
$function = [$1, ""] if m{^DPPP_\(my_\(w+\))};

$replace     = $1 if m{^s*${rccs}s+Replace:\(s+\(d+\)s+s+${rccce}s*$};
$replace{$2} = $1 if $replace and m{^s*\#s*define\s+\{(w+)(?!([t]{\}])*\}s+(\w+)};
$replace{$2} = $1 if m{^s*\#s*define\s+\{(\w+)(?!([t]{\}])*\}s+(\w+).*${rcccs}s+Replace\s+s+{rccce}};
$replace{$1} = $2 if m{^s*${rcccs}s+Replace \(\w+\) with \(\w+\)s+{rccce}s*$};
if (m{^\s*srccs\s+\((w+\(s*,\s*\w+\))\)\s*depends\s+on\s+\((w+(\s*,\s*\w+\))\)\s*srccs\s*\$}) {
  my @deps = map { s/s+/g; S_ } split //, $3;
  my $d;
  for $d (map { s/s+/g; S_ } split //, $1) {
    push @{$depends{$d}}, @deps;
  }
}

$need{$1} = 1 if m{^#if\s+defined\(\$need_\$\)$\}();
}

for (values %depends) {
  my %$;
  $$_ = [sort grep !$$$_++, @$_];
}

if (exists $opt{'api-info'}) {
  my $f;
  my $count = 0;
  my $match = S迫切['api-info'] = ~ m!^/(.*)/$! ? $1 : "^\Q$opt["api-info"]\E\$";
  for $f (sort { lc $a cmp lc $b } keys %API) {
    next unless $f =~ /$match/;
    print "\n=== $f ===\n\n";
    my $info = 0;
    if ($API{$f}{base} || $API{$f}{todo}) {
      my $base = format_version($API{$f}{base} || $API{$f}{todo});
      print "Supported at least starting from perl-$base:\n";
      $info++;
    }
    if ($API{$f}{provided}) {
      my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";
      print "Support by $ppport provided back to perl-$todo:\n";
      print "Support needs to be explicitly requested by NEED_$f:\n" if exists $need{$f};
      print "Depends on: ", join(', ', @{$depends{$f}}), ":\n" if exists $depends{$f};
      print "\n\n$Hints{$f}" if exists $Hints{$f};
      print "\n\nWARNING:\n\n$Warnings{$f}" if exists $Warnings{$f};
      $info++;
    }
    print "No portability information available:\n" unless $info;
    $count++;
  }
  $count or print "Found no API matching '$opt{'api-info'}'.";
  print "\n";
  exit 0;
}

if (exists $opt{'list-provided'}) {
  my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
    next unless $API{$f}{provided};
    my @flags;
    push @flags, 'explicit' if exists $need{$f};
    push @flags, 'depend'   if exists $depends{$f};
    push @flags, 'hint'     if exists $hints{$f};
    push @flags, 'warning'  if exists $warnings{$f};
    my $flags = @flags ? ['join(', ', @flags)', ']' : '';
    print "$f$flags
";
}
exit 0;
}

my @files;
my @srcext = qw( .xs .c .h .cc .cpp -c.inc -xs.inc );
my $srcext = join '|', map { quotemeta $_ } @srcext;

if (@ARGV) {
    my %seen;
    for (@ARGV) {
        if (-e) {
            if (-f) {
                push @files, $_ unless $seen{$_}++;
            } else { warn "$_ is not a file.\n" }
        } else { 
            my @new = grep { -f } glob $_
                or warn "$_ does not exist.\n";
            push @files, grep { !$seen{$_}++ } @new;
        }
    }
} else {
    eval {
        require File::Find;
        File::Find::find(sub {
            $File::Find::name =~ /($srcext)$/i
                and push @files, $File::Find::name;
        }, '.');
    };
    if ($@) {
        @files = map { glob "*$_" } @srcext;
    }
}

if (!@ARGV || $opt{filter}) {
    my(@in, @out);
my %xsc = map { /(.*)\.xs$/ ? ("$1.c" => 1, "$1.cc" => 1) : () } @files;
for (@files) {
my $out = exists $xsc{$_} || /\b\Q$ppport\E$/i || !/($srcext)$/i;
push @{ $out ? \@out : \@in }, $_;
}
if (@ARGV && @out) {
warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
}
@files = @in;
}
die "No input files given!\n" unless @files;
my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;
for $filename (@files) {
unless (open IN, "<$filename") {
warn "Unable to read from $filename: $!\n";
next;
}
info("Scanning $filename ...");
my $c = do { local $/; <IN> };
close IN;
my %file = (orig => $c, changes => 0);
# Temporarily remove C/XS comments and strings from the code
my @ccom;
$c =~ s{
( ^$HS*\#$HS*include\b[^\r\n]+\b(?:\Q$ppport\E|XSUB\.h)\b[^\r\n]*
| ^$HS*\#$HS*(?:define|elif|if(?:def)?)\b[^\r\n]* )
| ( ^$HS*\#[^\r\n]*
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^'\\]*(?:\\.[^'\\]*)*'
| / (?: \*[^*]*\*+(?:[^$ccs][^*]*\*+)* / | /[^\r\n]* ) )
}{ defined $2 and push @ccom, $2;
defined $1 ? $1 : "$ccs$#ccom$cce" }mgsex;
$file{ccom} = \@ccom;
$file{code} = $c;
$file{has_inc_ppport} = $c =~ /^$HS*#$HS*include[^\r\n]+\b\Q$ppport\E\b/m;

Open Source Used In CSPC_Collector 2.9.1 7637


my $func;
for $func (keys %API) {
my $match = $func;
$match .= "|$revreplace{$func}" if exists $revreplace{$func};
if ($c =~ /\b(?:Perl_)?($match)\b/) {
$file{uses_replace}{$1}++ if exists $revreplace{$func} && $1 eq $revreplace{$func};
$file{uses_Perl}{$func}++ if $c =~ /\bPerl_$func\b/;
if (exists $API{$func}{provided}) {
$file{uses_provided}{$func}++;
if (!exists $API{$func}{base} || $API{$func}{base} > $opt{'compat-version'}) {
$file{uses}{$func}++;
my @deps = rec_depend($func);
if (@deps) {
$file{uses_deps}{$func} = \@deps;
for (@deps) {
$file{uses}{$_} = 0 unless exists $file{uses}{$_};
}
}
for ($func, @deps) {
$file{needs}{$_} = 'static' if exists $need{$_};
}
}
}
if (exists $API{$func}{todo} && $API{$func}{todo} > $opt{'compat-version'}) {
if ($c =~ /\b$func\b/) {
$file{uses_todo}{$func}++;
}
}
}
}
while ($c =~ /^$HS*#$HS*define$HS+(NEED_(\w+?)(_GLOBAL)?)\b/mg) {
if (exists $need{$2}) {
$file{defined $3 ? 'needed_global' : 'needed_static'}{$2}++;
}
else { warning("Possibly wrong #define $1 in $filename") }
}
for (qw(uses needs uses_todo needed_global needed_static)) {
for $func (keys %{$file{$_}}) {
push @{$global{$_}{$func}}, $filename;
}
}
$files{$filename} = \%file;
}

Open Source Used In CSPC_Collector 2.9.1 7638


# Globally resolve NEED_'s
my $need;
for $need (keys %{$global{needs}}) {
if (@{$global{needs}{$need}} > 1) {
my @targets = @{$global{needs}{$need}};
my @t = grep $files{$_}{needed_global}{$need}, @targets;
@targets = @t if @t;
@t = grep /\.xs$/i, @targets;
@targets = @t if @t;
my $target = shift @targets;
$files{$target}{needs}{$need} = 'global';
for (@{$global{needs}{$need}}) {
$files{$_}{needs}{$need} = 'extern' if $_ ne $target;
}
}
}
for $filename (@files) {
exists $files{$filename} or next;
info("=== Analyzing $filename ===");
my %file = %{$files{$filename}};
my $func;
my $c = $file{code};
my $warnings = 0;
for $func (sort keys %{$file{uses_Perl}}) {
if ($API{$func}{varargs}) {
unless ($API{$func}{nothxarg}) {
my $changes = ($c =~ s{\b(Perl_$func\s*\(\s*)(?!aTHX_?)(\)|[^\s)]*\))}
{ $1 . ($2 eq ')' ? 'aTHX' : 'aTHX_ ') . $2 }ge);
if ($changes) {
warning("Doesn't pass interpreter argument aTHX to Perl_$func");
$file{changes} += $changes;
}
}
}
else {
warning("Uses Perl_$func instead of $func");
$file{changes} += ($c =~ s{\bPerl_$func(\s*)\((\s*aTHX_?)?\s*}
{$func$1(}g);
}
}
for $func (sort keys %{$file{uses_replace}}) {
warning("Uses $func instead of $replace{$func}");
$file{changes} += ($c =~ s/\b$func\b/$replace{$func}/g);

Open Source Used In CSPC_Collector 2.9.1 7639


for $func (sort keys %{$file{uses_provided}}) {
    if ($file{uses}->{$func}) {
        if (exists $file{uses_deps}->{$func}) {
            diag("Uses $func, which depends on ", join(':', @{$file{uses_deps}->{$func}}));
        } else {
            diag("Uses $func");
        }
    }
    $warnings += hint($func);
}

unless ($opt{quiet}) {
    for $func (sort keys %{$file{uses_todo}}) {
        print "*** WARNING: Uses $func, which may not be portable below perl ",
        format_version($API->{$func}{todo}), ", even with 'ppport\n"
        $warnings++;
    }
}

for $func (sort keys %{$file{needed_static}}) {
    my $message = "";
    if (not exists $file{uses}->{$func}) {
        $message = "No need to define NEED_$func if $func is never used";
    } elsif (exists $file{needs}->{$func} && $file{needs}->{$func} ne 'static') {
        $message = "No need to define NEED_$func when already needed globally";
    } if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_$func\b.*$LF//mg);
    }
}

for $func (sort keys %{$file{needed_global}}) {
    my $message = "";
    if (not exists $global{uses}->{$func}) {
        $message = "No need to define NEED_$func\GLOBAL if $func is never used";
    } elsif (exists $file{needs}->{$func} eq 'extern') {
        $message = "No need to define NEED_$func\GLOBAL when already needed globally";
    } elsif ($file{needs}->{$func} eq 'static') {
        $message = "No need to define NEED_$func\GLOBAL when only used in this file";
    }
if ($message) {
    diag($message);
    $file{changes} += ($c =~ s/\$HS*\$HS*define\$HS*NEED_\{func\}_GLOBAL\b.*\$LF//mg);
}

 simulinc{needs_inc_ppport} = keys %{$file{uses}};

if ($file{needs_inc_ppport}) {
    my $pp = " ";

    for $func (sort keys %{$file{needs}}) {
        my $type = $file{needs}[$func];
        next if $type eq 'extern';
        my $suffix = $type eq 'global' ? '_GLOBAL' : "\"";
        unless (exists $file{"needed_\$type"}{$func}) {
            my $type = $type eq 'global' ? '_GLOBAL' : "\"";
            unless (exists $file{"needed_\$type"}{$func}) {
                diag("Files [@ \$global{needs} \{func\}] need \$func, adding global request\");}
            else {
                diag("File needs $\func, adding static request\");}
            $pp .= "\#define NEED_$func$suffix\n";
        }
    }

    if ($pp && ($c =~ s/^(\$HS*\$HS*define\$HS*NEED_\w+)/$pp/m)) {
        $pp = " ";
        $file{changes}++;}

    unless ($file{has_inc_ppport}) {
        diag("Needs to include \$ppport\");}
        $pp .= qq(#include "$ppport\n")
    if ($pp) {
        $file{changes} += ($c =~ s/(\$HS*\$HS*define\$HS+NEED_\w+\+?)/\$pp/m);
        || ($c =~ s/(\$HS*\$HS*include.*\Q$ppport\E.*?)/\$pp/m);
        || ($c =~ s/(\$HS*\$HS*include.*XSUB.*\w+?)/\$pp/m);
        || ($c =~ s/(\$HS*\$HS*include.*/\$pp)/);
    }

    else {
        if ($file{has_inc_ppport}) {
            diag("No need to include \$ppport\");}
            $file{changes} += ($c =~ s/(\$HS*?\$HS*include.*/(\Q$ppport\E.*/?\$LF//m));
}
# put back in our C comments
my $ix;
my $cppc = 0;
my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
    if (!$opt{cplusplus} && $ccom[$ix] =~ s!^//!!) {
        $cppc++;
        $file{changes} += $c =~ s/$rccs$ix$rcce/$ccs$ccom[$ix] $cce/;
    } else {
        $c =~ s/$rccs$ix$rcce/$ccom[$ix]/;
    }
}
if ($cppc) {
    my $s = $cppc != 1 ? 's' : ';
    warning("Uses $cppc C++ style comment$s, which is not portable");
}
my $s = $warnings != 1 ? 's' : ';
my $warn = $warnings ? " ($warnings warning$s)" : ";
info("Analysis completed$warn");
if ($file{changes}) {
    if (exists $opt{copy}) {
        my $newfile = "$filename$opt{copy}";
        warning("Uses $opt{copy} which is not portable");
    }
    my $s = $warnings != 1 ? 's' : ';
    my $warn = $warnings ? " ($warnings warning$s)" : ";
    info("Analysis completed$warn");
    if (open F, ">$newfile") {
        local $c;
        print F $c;
        close F;
    }
}
else if (exists $opt{patch} || $opt{changes}) {
    if (exists $opt{patch}) {
        unless ($patch_opened) {
            if (open PATCH, ">$opt{patch}") {
                my $c;
                ...
            }
        }
    }
} else if (exists $opt{patch} || $opt{changes}) {
    if (exists $opt{patch}) {
        unless ($patch_opened) {
            if (open PATCH, ">$opt{patch}") {
                my $c;
                ...
            }
        }
    }
    else if (exists $opt{patch} || $opt{changes}) {
        if (exists $opt{patch}) {
            unless ($patch_opened) {
                if (open PATCH, ">$opt{patch}") {
                    my $c;
                    ...
                }
            }
    }
}
$patch_opened = 1;
}
else {
    error("Cannot open \$opt{patch}' for writing: \$!");
delete \$opt{patch};
$opt{changes} = 1;
goto fallback;
}
}
mydiff(*PATCH, $filename, $c);
}
else {
fallback:
    info("Suggested changes:");
    mydiff(*STDOUT, $filename, $c);
}
}
else {
    my $s = $file{changes} == 1 ? '' : 's';
    info("$file{changes} potentially required change$s detected");
}
}
else {
    info("Looks good");
}
}

close PATCH if $patch_opened;

exit 0;

sub try_use {
    eval "use @_;"; return $@ eq ""
}

sub mydiff {
    local *F = shift;
    my($file, $str) = @_; 
    my $diff;

    if (exists $opt{diff}) {
        $diff = run_diff($opt{diff}, $file, $str);
    }

    if (!defined $diff and try_use('Text::Diff')) {
        $diff = Text::Diff::diff($file, $str, { STYLE => 'Unified' });
        $diff = <<HEADER . $diff;
--- $file

        "$file

+++ $file.patched

HEADER

}  

if (!defined $diff) {
    $diff = run_diff('diff -u', $file, $str);
}

if (!defined $diff) {
    $diff = run_diff('diff', $file, $str);
}

if (!defined $diff) {
    error("Cannot generate a diff. Please install Text::Diff or use --copy.");
    return;
}

print F $diff;
}

sub run_diff
{
    my($prog, $file, $str) = @_;  
    my $tmp = 'dppptemp';
    my $suf = 'aaa';
    my $diff = ";
    local *F;

    while (-e "$tmp.$suf") { $suf++ }
    $tmp = "$tmp.$suf";

    if (open F, ">$tmp") {
        print F $str;
        close F;

        if (open F, "$prog $file $tmp |") {
            while (<F>) {
                s/A$diff\E/$file.patched/;
                $diff .= ";
            }
            close F;
            unlink $tmp;
            return $diff;
        }
    }
    unlink $tmp;
}
else {

error("Cannot open '$tmp' for writing: $!");
}

return undef;
}

sub rec_depend
{
    my($func, $seen) = @_;;
    return () unless exists $depends{$func};
    $seen = {%{$seen||{}}};
    return () if $seen->{$func}++;
    my %s;
    grep !s{$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}};
}

sub parse_version
{
    my $ver = shift;

    if ($ver =~ /^\d+.(\d+).(\d+)$/) {
        return ($1, $2, $3);
    }
    elsif ($ver !~ /^\d+\.[\d_]+$/) {
        die "cannot parse version '$ver'
    }

    $ver =~ s/_//g;
    $ver =~ s/$/000000/;

    my($r,$v,$s) = $ver =~ /(\d+).\d{3}\d{3}/;

    $v = int $v;
    $s = int $s;

    if ($r < 5 || ($r == 5 && $v < 6)) {
        if ($s % 10) {
            die "cannot parse version '$ver'
        }
    }

    return ($r, $v, $s);
}

sub format_version
{
    my $ver = shift;

    if ($ver =~ /^\d+.(\d+).\d+$/) {
        return ($1, $2);
    }
    elsif ($ver !~ /^\d+\.[\d_]+$/) {
        die "cannot parse version '$ver'
    }

    $ver =~ s/_//g;
    $ver =~ s/$/000000/;

    my($r,$v,$s) = $ver =~ /(\d+).\d\d\d\d\d\d\d/;

    $v = int $v;
    $s = int $s;

    if ($r < 5 || ($r == 5 && $v < 6)) {
        if ($s % 10) {
            die "cannot parse version '$ver'
        }
    }

    return ($r, $v, $s);
}
$ver =~ s/$/000000/;
my($r,$v,$s) = $ver =~ /(\d+)\.(\d{3})\.(\d{3})/;

$v = int $v;
$s = int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
    if ($s % 10) {
        die "invalid version '$ver\n";
    }
    $s /= 10;

    $ver = sprintf "%.03d", $r, $v;
    $s > 0 and $ver .= sprintf "_.%02d", $s;

    return $ver;
}

return sprintf "%.%d", $r, $v, $s;
}

sub info {
    $opt{quiet} and return;
    print @_, "\n";
}

sub diag {
    $opt{quiet} and return;
    $opt{diag} and print @_, "\n";
}

sub warning {
    $opt{quiet} and return;
    print "*** " , @_, "\n";
}

sub error {
    print "*** ERROR: ", @_, "\n";
}

my %given_hints;
my %given_warnings;
sub hint {

}
$opt{quiet} and return;
my $func = shift;
my $rv = 0;
if (exists $warnings{$func} && !$given_warnings{$func}++) {
my $warn = $warnings{$func};
$warn =~ s!^!*** !mg;
print "*** WARNING: $func\n", $warn;
$rv++;
}
if ($opt{hints} && exists $hints{$func} && !$given_hints{$func}++) {
my $hint = $hints{$func};
$hint =~ s/^/ /mg;
print " --- hint for $func ---\n", $hint;
}
$rv;
}
sub usage
{
my($usage) = do { local(@ARGV,$/)=($0); <> } =~ /^=head\d$HS+SYNOPSIS\s*^(.*?)\s*^=/ms;
my %M = ( 'I' => '*' );
$usage =~ s/^\s*perl\s+\S+/$^X $0/;
$usage =~ s/([A-Z])<([^>]+)>/$M{$1}$2$M{$1}/g;
print <<ENDUSAGE;
Usage: $usage
See perldoc $0 for details.
ENDUSAGE
exit 2;
}
sub strip
{
my $self = do { local(@ARGV,$/)=($0); <> };
my($copy) = $self =~ /^=head\d\s+COPYRIGHT\s*^(.*?)^=\w+/ms;
$copy =~ s/^(?=\S+)/ /gms;
$self =~ s/^$HS+Do NOT edit.*?(?=^-)/$copy/ms;
$self =~ s/^SKIP.*(?=^__DATA__)/SKIP
if (\@ARGV && \$ARGV[0] eq '--unstrip') {
eval { require Devel::PPPort };
\$@ and die "Cannot require Devel::PPPort, please install.\\n";
if (eval \$Devel::PPPort::VERSION < $VERSION) {
die "$0 was originally generated with Devel::PPPort $VERSION.\\n"
. "Your Devel::PPPort is only version \$Devel::PPPort::VERSION.\\n"

Open Source Used In CSPC_Collector 2.9.1 7647


"Please install a newer version, or --unstrip will not work."
]

Devel::PPPort::WriteFile('$0);
exit 0;
}

print <<END;

Sorry, but this is a stripped version of $0.

To be able to use its original script and doc functionality,
please try to regenerate this file using:

$X $0 --unstrip

END

my($pl, $c) = $self =~ /(.*^__DATA__)(.*)/ms;
$c =~ s{ / (?: \[^*]*\*+(?:[^$ccs]\[^*]*\*+)* / | /\[^
] ) | ( "[^"\]*(?:\\\.)*" | '([^'']*)(?:\\\.)* ' ) | ($HS+) }{ defined $2 ? ' ' : ($1 || '') }gsex;
$c =~ s!\s+$!!mg;
$c =~ s!^$LF!!mg;
$c =~ s!^\s*#!#!mg;
$c =~ s!^\s+!!mg;

open OUT, ">$0" or die "cannot strip $0: $!";
print OUT "$pl$c

exit 0;
}

__DATA__
*/

Found in path(s):
No license file was found, but licenses were detected in source scan.

# Copyright (c) 1997-2007 Graham Barr <gbarr@pobox.com>. All rights reserved.
# This program is free software; you can redistribute it and/or
# modify it under the same terms as Perl itself.
=head1 NAME

Scalar::Util - A selection of general-utility scalar subroutines
SYNOPSIS

use Scalar::Util qw(blessed dualvar isdual readonly refaddr reftype
tainted weaken isweak isvstring looks_like_number
set_prototype);
# and other useful utils appearing below

DESCRIPTION

C<Scalar::Util> contains a selection of subroutines that people have expressed
would be nice to have in the perl core, but the usage would not really be high
enough to warrant the use of a keyword, and the size would be so small that
being individual extensions would be wasteful.

By default C<Scalar::Util> does not export any subroutines.

FUNCTIONS FOR REFERENCES

The following functions all perform some useful activity on reference values.

blessed

my $pkg = blessed( $ref );

If C<$ref> is a blessed reference, the name of the package that it is blessed
into is returned. Otherwise C<undef> is returned.

$scalar = "foo";
$class  = blessed $scalar;       # undef

$ref   = [];
$class  = blessed $ref;         # undef

$obj   = bless [], "Foo";
$class  = blessed $obj;          # "Foo"

Take care when using this function simply as a truth test (such as in
C<if(blessed $ref)...>) because the package name C<"0"> is defined yet false.

refaddr

my $addr = refaddr( $ref );

If C<$ref> is reference, the internal memory address of the referenced value is
returned as a plain integer. Otherwise C<undef> is returned.
$addr = refaddr "string";             # undef
$addr = refaddr \$var;                # eg 12345678
$addr = refaddr [];                  # eg 23456784

$obj = bless {}, "Foo";
$addr = refaddr $obj;                # eg 88123488

=head2 reftype

my $type = reftype( $ref );

If C<$ref> is a reference, the basic Perl type of the variable referenced is returned as a plain string (such as C<ARRAY> or C<HASH>). Otherwise C<undef> is returned.

$type = reftype "string";       # undef
$type = reftype \$var;          # SCALAR
$type = reftype [];            # ARRAY

$obj = bless {}, "Foo";
$type = reftype $obj;           # HASH

=head2 weaken

weaken( $ref );

The lvalue C<$ref> will be turned into a weak reference. This means that it will not hold a reference count on the object it references. Also, when the reference count on that object reaches zero, the reference will be set to undef. This function mutates the lvalue passed as its argument and returns no value.

This is useful for keeping copies of references, but you don't want to prevent the object being DESTROY-ed at its usual time.

{
  my $var;
  $ref = \$var;
  weaken($ref);           # Make $ref a weak reference
}

# $ref is now undef

Note that if you take a copy of a scalar with a weakened reference, the copy will be a strong reference.

my \$var;
my $foo = \$var;
weaken($foo);              # Make $foo a weak reference
my $bar = $foo;            # $bar is now a strong reference

This may be less obvious in other situations, such as C<grep()>; for instance when grepping through a list of weakened references to objects that may have been destroyed already:

    @object = grep { defined } @object;

This will indeed remove all references to destroyed objects, but the remaining references to objects will be strong, causing the remaining objects to never be destroyed because there is now always a strong reference to them in the @object array.

=head2 unweaken

    unweaken( $REF );

I<Since version 1.36.>

The lvalue C<REF> will be turned from a weak reference back into a normal (strong) reference again. This function mutates the lvalue passed as its argument and returns no value. This undoes the action performed by L</weaken>.

This function is slightly neater and more convenient than the otherwise-equivalent code

    my $tmp = $REF;
    undef $REF;
    $REF = $tmp;

(because in particular, simply assigning a weak reference back to itself does not work to unweaken it; C<$REF = $REF> does not work).

=head2 isweak

    my $weak = isweak( $ref );

Returns true if C<$ref> is a weak reference.

    $ref = \$foo;
    $weak = isweak($ref);    # false
    weaken($ref);
    $weak = isweak($ref);    # true

B<NOTE>: Copying a weak reference creates a normal, strong, reference.
$copy = $ref;
$weak = isweak($copy);  # false

=head1 OTHER FUNCTIONS

=head2 dualvar

my $var = dualvar( $num, $string );

Returns a scalar that has the value C<$num> in a numeric context and the value
C<$string> in a string context.

$foo = dualvar 10, "Hello";
$num = $foo + 2;  # 12
$str = $foo . " world";  # Hello world

=head2 isdual

my $dual = isdual( $var );


If C<$var> is a scalar that has both numeric and string values, the result is
true.

$foo = dualvar 86, "Nix";
$dual = isdual($foo);  # true

Note that a scalar can be made to have both string and numeric content through
numeric operations:

$foo = "10";
$dual = isdual($foo);  # false
$bar = $foo + 0;
$dual = isdual($foo);  # true

Note that although C<$!> appears to be a dual-valued variable, it is
actually implemented as a magical variable inside the interpreter:

$! = 1;
print("$!\n");  # "Operation not permitted"
$dual = isdual($!);  # false

You can capture its numeric and string content using:

$err = dualvar $!, $!
$dual = isdual($err);  # true
=head2 isvstring
my $vstring = isvstring( $var );
If C<$var> is a scalar which was coded as a vstring, the result is true.
$vs = v49.46.48;
$fmt = isvstring($vs) ? "%vd" : "%s"; #true
printf($fmt,$vs);
=head2 looks_like_number
my $isnum = looks_like_number( $var );
Returns true if perl thinks C<$var> is a number. See
L<perlapi/looks_like_number>.
=head2 openhandle
my $fh = openhandle( $fh );
Returns C<$fh> itself if C<$fh> may be used as a filehandle and is open, or is
is a tied handle. Otherwise C<undef> is returned.
$fh = openhandle(*STDIN);
# \*STDIN
$fh = openhandle(\*STDIN);
# \*STDIN
$fh = openhandle(*NOTOPEN);
# undef
$fh = openhandle("scalar");
# undef
=head2 readonly
my $ro = readonly( $var );
Returns true if C<$var> is readonly.
sub foo { readonly($_[0]) }
$readonly = foo($bar);
$readonly = foo(0);

# false
# true

=head2 set_prototype
my $code = set_prototype( $code, $prototype );
Sets the prototype of the function given by the C<$code> reference, or deletes
it if C<$prototype> is C<undef>. Returns the C<$code> reference itself.
set_prototype \&foo, '$$';

Open Source Used In CSPC_Collector 2.9.1 7653


my $t = tainted( $var );

Return true if C<$var> is tainted.

$taint = tainted("constant");       # false
$taint = tainted($ENV{PWD});        # true if running under -T

=head1 DIAGNOSTICS

Module use may give one of the following errors during import.

=over

=item Weak references are not implemented in the version of perl

The version of perl that you are using does not implement weak references, to use L</isweak> or L</weaken> you will need to use a newer release of perl.

=item Vstrings are not implemented in the version of perl

The version of perl that you are using does not implement Vstrings, to use L</isvstring> you will need to use a newer release of perl.

=back

=head1 KNOWN BUGS

There is a bug in perl5.6.0 with UV's that are >= 1<<31. This will show up as tests 8 and 9 of dualvar.t failing

=head1 SEE ALSO

L<List::Util>

=head1 COPYRIGHT

Copyright (c) 1997-2007 Graham Barr <gbarr@pobox.com>. All rights reserved. This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Additionally L</weaken> and L</isweak> which are

Copyright (c) 1999 Tuomas J. Lukka <lukka@iki.fi>. All rights reserved. This program is free software; you can redistribute it and/or modify it under the same terms as perl itself.
---
abstract: 'Common Scalar and List utility subroutines'
author:
  - 'Graham Barr <gbarr@cpan.org>'
buildRequires:
  ExtUtils::MakeMaker: '0'
configureRequires:
  ExtUtils::MakeMaker: '0'
dynamicConfig: 0
generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: perl
metaSpec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: Scalar-List-Utils
noIndex:
  directory:
    - t
    - inc
requires:
  Test::More: '0'
  perl: '5.006'
resources:
repository: https://github.com/Scalar-List-Utils/Scalar-List-Utils.git
version: '1.49'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):
No license file was found, but licenses were detected in source scan.

This distribution is a replacement for the builtin distribution.

This package contains a selection of subroutines that people have
expressed would be nice to have in the perl core, but the usage would not
really be high enough to warrant the use of a keyword, and the size so
small such that being individual extensions would be wasteful.

After unpacking the distribution, to install this module type

perl Makefile.PL
make
make test
make install

KNOWN BUGS

There is a bug in perl5.6.0 with UV's that are >= 1<<31. This will
show up as tests 8 and 9 of dualvar.t failing

Copyright (c) 1997-2006 Graham Barr <gbarr@pobox.com>. All rights reserved.
This library is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

Found in path(s):

1.736 libasyncncns 239-31.el8_2.2
1.736.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.
1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood

Open Source Used In CSPC_Collector 2.9.1 7662
that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.
You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.737 libsodium 1.0.18-2.el8
1.737.1 Available under license :
/*
 * ISC License
 *
 * Copyright (c) 2013-2019
 * Frank Denis <j at pureftpd dot org>
 *
 * Permission to use, copy, modify, and/or distribute this software for any
 * purpose with or without fee is hereby granted, provided that the above
 * copyright notice and this permission notice appear in all copies.
 * *
 * THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES
 * WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
 * MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR
 * ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
 * WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
 * ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF
 * OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
 */

1.738 pkgconf 1.4.2 1.el8
1.738.1 Available under license :
pkgconf authors (see AUTHORS file in source directory).
Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

This software is provided 'as is' and without any warranty, express or implied. In no event shall the authors be liable for any damages arising from the use of this software.

1.739 findutils 4.6.0 20.el8
1.739.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.
To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.
No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not
invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the 
Corresponding Source in the same way through the same place at no 
further charge. You need not require recipients to copy the 
Corresponding Source along with the object code. If the place to 
copy the object code is a network server, the Corresponding Source 
may be on a different server (operated by you or a third party) 
that supports equivalent copying facilities, provided you maintain 
clear directions next to the object code saying where to find the 
Corresponding Source. Regardless of what server hosts the 
Corresponding Source, you remain obligated to ensure that it is 
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided 
you inform other peers where the object code and Corresponding 
Source of the work are being offered to the general public at no 
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded 
from the Corresponding Source as a System Library, need not be 
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any 
tangible personal property which is normally used for personal, family, 
or household purposes, or (2) anything designed or sold for incorporation 
into a dwelling. In determining whether a product is a consumer product, 
doubtful cases shall be resolved in favor of coverage. For a particular 
product received by a particular user, "normally used" refers to a 
typical or common use of that class of product, regardless of the status 
of the particular user or of the way in which the particular user 
actually uses, or expects or is expected to use, the product. A product 
is a consumer product regardless of whether the product has substantial 
commercial, industrial or non-consumer uses, unless such uses represent 
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, 
procedures, authorization keys, or other information required to install 
and execute modified versions of a covered work in that User Product from 
a modified version of its Corresponding Source. The information must 
suffice to ensure that the continued functioning of the modified object 
code is in no case prevented or interfered with solely because 
modification has been made.

If you convey an object code work under this section in, or with, or 
specifically for use in, a User Product, and the conveying occurs as 
part of a transaction in which the right of possession and use of the 
User Product is transferred to the recipient in perpetuity or for a 
fixed term (regardless of how the transaction is characterized), the 
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means.
prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that
any patent claim is infringed by making, using, selling, offering for
sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The
work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims
owned or controlled by the contributor, whether already acquired or
hereafter acquired, that would be infringed by some manner, permitted
by this License, of making, using, or selling its contributor version,
but do not include claims that would be infringed only as a
consequence of further modification of the contributor version. For
purposes of this definition, "control" includes the right to grant
patent sublicenses in a manner consistent with the requirements of
this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free
patent license under the contributor's essential patent claims, to
make, use, sell, offer for sale, import and otherwise run, modify and
propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express
agreement or commitment, however denominated, not to enforce a patent
(such as an express permission to practice a patent or covenant not to
sue for patent infringement). To "grant" such a patent license to a
party means to make such an agreement or commitment not to enforce a
patent against the party.

If you convey a covered work, knowingly relying on a patent license,
and the Corresponding Source of the work is not available for anyone
to copy, free of charge and under the terms of this License, through a
publicly available network server or other readily accessible means,
then you must either (1) cause the Corresponding Source to be so
available, or (2) arrange to deprive yourself of the benefit of the
patent license for this particular work, or (3) arrange, in a manner
consistent with the requirements of this License, to extend the patent
license to downstream recipients. "Knowingly relying" means you have
actual knowledge that, but for the patent license, your conveying the
covered work in a country, or your recipient's use of the covered work
in a country, would infringe one or more identifiable patents in that
country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or
arrangement, you convey, or propagate by procuring conveyance of, a
covered work, and grant a patent license to some of the parties
receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.
The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

@c The GNU Free Documentation License.
@c Version 1.3, 3 November 2008

@c This file is intended to be included within another document, hence no sectioning command or @node.

display
@uref{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
@end display

@enumerate 0
@item
PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document free in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free
program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy,
represented in a format whose specification is available to the
general public, that is suitable for revising the document
straightforwardly with generic text editors or (for images composed of
pixels) generic paint programs or (for drawings) some widely available
drawing editor, and that is suitable for input to text formatters or
for automatic translation to a variety of formats suitable for input
to text formatters. A copy made in an otherwise Transparent file
format whose markup, or absence of markup, has been arranged to thwart
or discourage subsequent modification by readers is not Transparent.
An image format is not Transparent if used for any substantial amount
of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain
ASCII without markup, Texinfo input format, La\TeX{} input
format, SGML or XML using a publicly available
DTD, and standard-conforming simple HTML,
PostScript or PDF designed for human modification. Examples
of transparent image formats include PNG, XCF and
JPG@. Opaque formats include proprietary formats that can be
read and edited only by proprietary word processors, SGML or
XML for which the DTD and/or processing tools are
not generally available, and the machine-generated HTML,
PostScript or PDF produced by some word processors for
output purposes only.

The "Title Page" means, for a printed book, the title page itself,
plus such following pages as are needed to hold, legibly, the material
this License requires to appear in the title page. For works in
formats which do not have any title page as such, "Title Page" means
the text near the most prominent appearance of the work's title,
preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies
of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose
title either is precisely XYZ or contains XYZ in parentheses following
text that translates XYZ in another language. (Here XYZ stands for a
specific section name mentioned below, such as "Acknowledgements",
"Dedications", "Endorsements", or "History"). To "Preserve the Title"
of such a section when you modify the Document means that it remains a
section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which
states that this License applies to the Document. These Warranty
Disclaimers are considered to be included by reference in this
License, but only as regards disclaiming warranties; any other
implication that these Warranty Disclaimers may have is void and has
no effect on the meaning of this License.

@item
VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item
COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated
location until at least one year after the last time you distribute an
Opaque copy (directly or through your agents or retailers) of that
dition to the public.

It is requested, but not required, that you contact the authors of the
Document well before redistributing any large number of copies, to give
them a chance to provide you with an updated version of the Document.

@item
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under
the conditions of sections 2 and 3 above, provided that you release
the Modified Version under precisely this License, with the Modified
Version filling the role of the Document, thus licensing distribution
and modification of the Modified Version to whoever possesses a copy
of it. In addition, you must do these things in the Modified Version:

@enumerate A
@item
Use in the Title Page (and on the covers, if any) a title distinct
from that of the Document, and from those of previous versions
(which should, if there were any, be listed in the History section
of the Document). You may use the same title as a previous version
if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities
responsible for authorship of the modifications in the Modified
Version, together with at least five of the principal authors of the
Document (all of its principal authors, if it has fewer than five),
unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the
Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications
adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice
giving the public permission to use the Modified Version under the
terms of this License, in the form shown in the Addendum below.
@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled ``History'', Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled ``History'' in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the ``History'' section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled ``Acknowledgements'' or ``Dedications'', Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled ``Endorsements''. Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled ``Endorsements'' or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties---for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History"
in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item
TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a
translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled ``Acknowledgements'', ``Dedications'', or ``History'', the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item
TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}. 
Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RELICENSING

“Massive Multiauthor Collaboration Site” (or “MMC Site”) means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A “Massive Multiauthor Collaboration” (or “MMC”) contained in the site means any set of copyrightable works thus published on the MMC site.

“CC-BY-SA” means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

“Incorporate” means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is “eligible for relicensing” if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@end enumerate

@end page

@heading ADDENDUM: How to use this License for your documents
To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@example
@group
Copyright (C) \var{year} \var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled ``GNU Free Documentation License''.
@end group
@end example

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ``with@dots{}Texts.'' line with this:

@example
@group
with the Invariant Sections being \var{list their titles}, with the Front-Cover Texts being \var{list}, and with the Back-Cover Texts being \var{list}.
@end group
@end example

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@example
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

1.740 libnuma 2.0.12-7.el8
1.740.1 Available under license:
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

   NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.
1.741.1 Available under license:

PCRE2 LICENCE

---------------------

PCRE2 is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

Releases 10.00 and above of PCRE2 are distributed under the terms of the "BSD" licence, as specified below, with one exemption for certain binary redistributions. The documentation for PCRE2, supplied in the "doc" directory, is distributed under the same terms as the software itself. The data in the testdata directory is not copyrighted and is in the public domain.

The basic library functions are written in C and are freestanding. Also included in the distribution is a just-in-time compiler that can be used to optimize pattern matching. This is an optional feature that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

-----------------------------

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,

Copyright (c) 1997-2018 University of Cambridge
All rights reserved.

PCRE2 JUST-IN-TIME COMPILATION SUPPORT

------------------------------------------

Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu

Copyright(c) 2010-2018 Zoltan Herczeg
All rights reserved.
STACK-LESS JUST-IN-TIME COMPILER

Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu

Copyright(c) 2009-2018 Zoltan Herczeg
All rights reserved.

THE "BSD" LICENCE

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notices, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notices, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the University of Cambridge nor the names of any contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

EXEMPTION FOR BINARY LIBRARY-LIKE PACKAGES

The second condition in the BSD licence (covering binary redistributions) does not apply all the way down a chain of software. If binary package A includes PCRE2, it must respect the condition, but if package B is software that includes package A, the condition is not imposed on package B unless it uses
PCRE2 independently.

End

PCRE2 LICENCE

Please see the file LICENCE in the PCRE2 distribution for licensing details.

End

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.742 gson 1.6

1.743 javax-websocket-client-impl 9.4.11.v20180605

1.744 grubby 8.40 38.el8
1.744.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
```

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.745 libtirpc 1.1.4 4.el8

1.745.1 Available under license :
/*
 * Copyright (c) Copyright (c) Bull S.A. 2005 All Rights Reserved.
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 * 3. The name of the author may not be used to endorse or promote products
 *    derived from this software without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
 * IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
 * IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
 * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
 * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
 * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */

1.746 mysql 8.0.21-

1.746.1 Available under license :
Licensing Information User Manual
MySQL 8.0

Introduction
This License Information User Manual contains Oracle's product license and other licensing information, including licensing information for third-party software which may be included in this distribution of MySQL 8.0.

Last updated: May 2020

Licensing Information

This is a release of MySQL 8.0, brought to you by the MySQL team at Oracle. This software is released under version 2 of the GNU General Public License (GPLv2), as set forth below, with the following additional permissions:

This distribution of MySQL 8.0 is distributed with certain software (including but not limited to OpenSSL) that is licensed under separate terms, as designated in a particular file or component or in the license documentation. Without limiting your rights under the GPLv2, the authors of MySQL hereby grant you an additional permission to link the program and your derivative works with the separately licensed software that they have included with the program.

This distribution includes the MySQL C API client library (libmysqldclient) otherwise known as MySQL Connector/C. Without limiting the foregoing grant of rights under the GPLv2 and additional permission as to separately licensed software, this Connector is also subject to the Universal FOSS Exception, version 1.0, a copy of which is reproduced below and can also be found along with its FAQ at http://oss.oracle.com/licenses/universal-foss-exception.

Copyright (c) 1997, 2020, Oracle and/or its affiliates.

Election of GPLv2

For the avoidance of doubt, except that if any license choice other than GPL or LGPL is available it will apply instead, Oracle elects to use only the General Public License version 2 (GPLv2) at this time for any software where a choice of GPL license versions is made available with the language indicating that GPLv2 or any later version may be used, or where a choice of which version of the GPL is applied is otherwise unspecified.

GNU General Public License Version 2.0, June 1991

The following applies to all products licensed under the GNU General Public License, Version 2.0: You may not use the identified files except in compliance with the GNU General Public License, Version 2.0 (the "License.") You may obtain a copy of the License at
http://www.gnu.org/licenses/gpl-2.0.txt. A copy of the license is also reproduced below. Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to
copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or
modify it under the terms of the GNU General Public License as
published by the Free Software Foundation; either version 2 of
the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA
02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'. This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

The Universal FOSS Exception, Version 1.0

In addition to the rights set forth in the other license(s) included in the distribution for this software, data, and/or documentation (collectively the "Software", and such licenses collectively with this additional permission the "Software License"), the copyright holders wish to facilitate interoperability with other software, data, and/or documentation distributed with complete corresponding source under a license that is OSI-approved and/or categorized by the FSF as free (collectively "Other FOSS"). We therefore hereby grant the following additional permission with respect to the use and distribution of the Software with Other FOSS, and the constants, function signatures, data structures and other invocation methods used to run or interact with each of them (as to each, such software's "Interfaces"):

i. The Software's Interfaces may, to the extent permitted by the license of the Other FOSS, be copied into, used and distributed in the Other FOSS in order to enable interoperability, without requiring a change to the license of the Other FOSS other than as to any Interfaces of the Software embedded therein. The Software's Interfaces remain at all times under the Software License,
including without limitation as used in the Other FOSS (which upon any such use also then contains a portion of the Software under the Software License).

ii. The Other FOSS’s Interfaces may, to the extent permitted by the license of the Other FOSS, be copied into, used and distributed in the Software in order to enable interoperability, without requiring that such Interfaces be licensed under the terms of the Software License or otherwise altering their original terms, if this does not require any portion of the Software other than such Interfaces to be licensed under the terms other than the Software License.

iii. If only Interfaces and no other code is copied between the Software and the Other FOSS in either direction, the use and/or distribution of the Software with the Other FOSS shall not be deemed to require that the Other FOSS be licensed under the license of the Software, other than as to any Interfaces of the Software copied into the Other FOSS. This includes, by way of example and without limitation, statically or dynamically linking the Software together with Other FOSS after enabling interoperability using the Interfaces of one or both, and distributing the resulting combination under different licenses for the respective portions thereof. For avoidance of doubt, a license which is OSI-approved or categorized by the FSF as free, includes, for the purpose of this permission, such licenses with additional permissions, and any license that has previously been so approved or categorized as free, even if now deprecated or otherwise no longer recognized as approved or free. Nothing in this additional permission grants any right to distribute any portion of the Software on terms other than those of the Software License or grants any additional permission of any kind for use or distribution of the Software in conjunction with software other than Other FOSS.

Licenses for Third-Party Components

The following sections contain licensing information for libraries that we have included with the MySQL 8.0 source and components used to test MySQL 8.0. Commonly used licenses referenced herein can be found in Commonly Used Licenses. We are thankful to all individuals that have created these.

argparse

The following software may be included in this product:

argparse

argparse is (c) 2006-2009 Steven J. Bethard <steven.bethard@gmail.com>.

The argparse module was contributed to Python as of Python 2.7 and thus was licensed under the Python license. Same license applies to all files in the
argparse package project.

For details about the Python License, please see doc/Python-License.txt.

History
-------

Before (and including) argparse 1.1, the argparse package was licensed under Apache License v2.0.

After argparse 1.1, all project files from the argparse project were deleted due to license compatibility issues between Apache License 2.0 and GNU GPL v2.

The project repository then had a clean start with some files taken from Python 2.7.1, so definitely all files are under Python License now.

PSF LICENSE AGREEMENT FOR PYTHON 2.7.11

1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 2.7.11 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 2.7.11 alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001-2016 Python Software Foundation; All Rights Reserved" are retained in Python 2.7.11 alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 2.7.11 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 2.7.11.

4. PSF is making Python 2.7.11 available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 2.7.11 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 2.7.11
FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 2.7.11, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python 2.7.11, Licensee agrees to be bound by the terms and conditions of this License Agreement.

Assert

The following software may be included in this product:
Assert is distributed under a permissive open source license.

Copyright (C) 2004 Sam Hocevar <sam@hocevar.net>

The test program (test directory) for Assert is under BSD license:

// Copyright 2008, Google Inc.
// All rights reserved.
//
// Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
//
// * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
// * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
// * Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
//
// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
Better Enums

The following software may be included in this product:

Better Enums
Better Enums is distributed under the terms of the 2-clause BSD license.

Copyright (c) 2012-2016, Anton Bachin
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING,
BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN
ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

Better Enums uses the mistune library as part of its documentation
generator.

http://mistune.readthedocs.org/en/latest/

Copyright (c) 2014 - 2015, Hsiaoming Yang
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the creator nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Blosc

The following software may be included in this product:

Blosc
Copyright (C) 2009-2016 Francesc Alted <francesc@blosc.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
THE SOFTWARE.

Boost Library

The following software may be included in this product:

Boost C++ Libraries

Use of any of this software is governed by the terms of the license below:
Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or
organization obtaining a copy of the software and accompanying
documentation covered by this license (the "Software") to use,
reproduce, display, distribute, execute, and transmit the Software,
and to prepare derivative works of the Software, and to permit
third-parties to whom the Software is furnished to do so, all
subject to the following:

The copyright notices in the Software and this entire statement,
including the above license grant, this restriction and the
following disclaimer, must be included in all copies of the
Software, in whole or in part, and all derivative works of the
Software, unless such copies or derivative works are solely in the
form of machine-executable object code generated by a source
language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND
NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE
DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER
LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT
OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS
IN THE SOFTWARE.

Brotli

The following software may be included in this product:

Brotli

Copyright (c) 2009, 2010, 2013-2016 by the Brotli Authors.
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Some of the source files reference Google as the copyright holder

/* Copyright 2015 Google Inc. All Rights Reserved.
   
   Distributed under MIT license.
   See file LICENSE for detail or copy at https://opensource.org/licenses/MIT */

bzip2/libbzip2

The following software may be included in this product:
This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Corosync

The following software may be included in this product:

Corosync
Copyright (c) 2002-2004 MontaVista Software, Inc.
Copyright (c) 2005-2010 RedHat, Inc.

All rights reserved.

This software licensed under BSD license, the text of which follows:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the MontaVista Software, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

cURL (libcurl)

The following software may be included in this product:
cURL (libcurl)

Use of any of this software is governed by the terms of the license below:

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1996 - 2019, Daniel Stenberg. <daniel@haxx.se>, and many
contributors, see the THANKS file.

All rights reserved.

Permission to use, copy, modify, and distribute this software for any purpose
with or without fee is hereby granted, provided that the above copyright
notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM,
DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR
OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE
OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not
be used in advertising or otherwise to promote the sale, use or other
dealings in this Software without prior written authorization of the copyright
holder.

Cyrus SASL

The following software may be included in this product:

Cyrus SASL
* Copyright (c) 1994-2012 Carnegie Mellon University. All rights reserved.
* * * Redistribution and use in source and binary forms, with or without
* * modification, are permitted provided that the following conditions
* * are met:
* * * 1. Redistributions of source code must retain the above copyright
* * notice, this list of conditions and the following disclaimer.

Open Source Used In CSPC_Collector 2.9.1 7728
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name "Carnegie Mellon University" must not be used to endorse or promote products derived from this software without prior written permission. For permission or any legal details, please contact Office of Technology Transfer, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213-3890, (412) 268-4387, fax: (412) 268-7395, tech-transfer@andrew.cmu.edu

4. Redistributions of any form whatsoever must retain the following acknowledgment:

"This product includes software developed by Computing Services at Carnegie Mellon University (http://www.cmu.edu/computing/)."

CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL CARNEGIE MELLON UNIVERSITY BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

dtoa.c

The following software may be included in this product:

dtoa.c

The author of this software is David M. Gay.

Copyright (c) 1991, 2000, 2001 by Lucent Technologies.

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR LUCENT MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE
MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

Editline Library (libedit)

The following software may be included in this product:

Editline Library (libedit)

Some files are:
Copyright (c) 1992, 1993
The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by Christos Zoulas of Cornell University.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Some files are:
Copyright (c) 2001 The NetBSD Foundation, Inc.
All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Anthony Mallet.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Some files are:
Copyright (c) 1997 The NetBSD Foundation, Inc.
All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Jaromir Dolecek.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions
and the following disclaimer.
2. Redistributions in binary form must reproduce
the above copyright notice, this list of conditions
and the following disclaimer in the documentation
and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC.
AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL
THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY
DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE
OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH
DAMAGE.

Some files are:
Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

Permission to use, copy, modify, and distribute this
software for any purpose with or without fee is hereby
granted, provided that the above copyright notice and
this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND TODD C. MILLER
DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE
INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS. IN NO EVENT SHALL TODD C. MILLER BE LIABLE
FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL
DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM
LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION
OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION,
ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THIS SOFTWARE.

EPSG Geodetic Parameter Dataset

This product includes the EPSG Geodetic Parameter Dataset.
The EPSG Dataset is owned by the International Association of Oil
and Gas Producers, incorporated in England as a company limited by
guarantee (number 1832064) and is subject to the terms of use here:
http://www.epsg.org/TermsOfUse.
The user assumes the entire risk as to the accuracy and the use of this data. The data may be used, copied and distributed subject to the following conditions:

1. INFORMATION PROVIDED IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE.

2. The data may be included in any commercial package provided that any commerciality is based on value added by the provider and not on a value ascribed to the EPSG dataset which is made available at no charge. The ownership of the EPSG dataset [OGP] must be acknowledged.

3. Subsets of information may be extracted from the dataset. Users are advised that coordinate reference system and coordinate transformation descriptions are incomplete unless all elements detailed as essential in OGP Surveying and Positioning Guidance Note 7-1 annex F are included.

4. Essential elements should preferably be reproduced as described in the dataset. Modification of parameter values is permitted as described in the table below to allow change to the content of the information provided that numeric equivalence is achieved. Numeric equivalence refers to the results of geodetic calculations in which the parameters are used, for example (i) conversion of ellipsoid defining parameters, or (ii) conversion of parameters between one and two standard parallel projection methods, or (iii) conversion of parameters between 7-parameter geocentric transformation methods.

Facebook Fast Checksum Patch

The following software may be included in this product:
Facebook Fast Checksum Patch

Copyright (C) 2009-2010 Facebook, Inc. All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY FACEBOOK, INC. "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL FACEBOOK, INC. BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Also included:

crc32.c -- compute the CRC-32 of a buf stream
Copyright (C) 1995-2005 Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly jloup@gzip.org
Mark Adler madler@alumni.caltech.edu

Facebook Patches

The following software may be included in this product:
Copyright (c) 2012, Facebook, Inc.
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

FindGTest.cmake

The following software may be included in this product:
FindGTest.cmake helper script (part of CMake)

Copyright 2009 Kitware, Inc.
Copyright 2009 Philip Lowman
Copyright 2009 Daniel Blezek

Distributed under the OSI-approved BSD License (the "License");
see accompanying file Copyright.txt for details.

This software is distributed WITHOUT ANY WARRANTY; without even the
implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
See the License for more information.
==========================================================================
(To distributed this file outside of CMake, substitute the full
License text for the above reference.)

Thanks to Daniel Blezek for the GTEST_ADD_TESTS code

Text of Copyright.txt mentioned above:

CMake - Cross Platform Makefile Generator
Copyright 2000-2009 Kitware, Inc., Insight Software Consortium
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

* Neither the names of Kitware, Inc., the Insight Software Consortium,
  nor the names of their contributors may be used to endorse or promote
  products derived from this software without specific prior written
  permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Fred Fish's Dbug Library

The following software may be included in this product:

Fred Fish's Dbug Library

NOTICE

Copyright Abandoned, 1987, Fred Fish

This previously copyrighted work has been placed into the public domain by the author and may be freely used for any purpose, private or commercial.

Because of the number of inquiries I was receiving about the use of this product in commercially developed works I have decided to simply make it public domain to further its unrestricted use. I specifically would be most happy to see this material become a part of the standard Unix distributions by AT&T and the Berkeley Computer Science Research Group, and a standard part of the GNU system from the Free Software Foundation.
I would appreciate it, as a courtesy, if this notice is left in all copies and derivative works. Thank you.

The author makes no warranty of any kind with respect to this product and explicitly disclaims any implied warranties of merchantability or fitness for any particular purpose.

The dbug_analyze.c file is subject to the following notice:

Copyright June 1987, Binayak Banerjee
All rights reserved.

This program may be freely distributed under the same terms and conditions as Fred Fish's Dbug package.

getarg

The following software may be included in this product:

getarg Function (getarg.h, getarg.c files)
Copyright (c) 1997 - 2000 Kungliga Tekniska Högskolan (Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the Institute nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Google C++ Mocking Framework (Google Mock)

This Oracle Product includes or references Gmock (including gtest), which is licensed to Oracle under the following terms:

Copyright 2008, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Google Controlling Master Thread I/O Rate Patch

The following software may be included in this product:
Google Controlling master thread I/O rate patch
Copyright (c) 2009, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Google Perftools (TCMalloc utility)

The following software may be included in this product:
Google Perftools (TCMalloc utility)

Copyright (c) 1998-2006, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following
disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Google Protocol Buffers

The following software may be included in this product:
Protocol Buffers (aka Google protobuf)

Google Protocol Buffers - protobuf
Copyright 2008, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Code generated by the Protocol Buffer compiler is owned by the owner of the input file used when generating it. This code is not standalone and requires a support library to be linked with it. This support library is itself covered by the above license.

Google Protocol Buffers

The following software may be included in this product:
This license applies to all parts of Protocol Buffers except the following:

- Atomicops support for generic gcc, located in
  src/google/protobuf/stubs/atomicops_internals_generic_gcc.h.
  This file is copyrighted by Red Hat Inc.

- Atomicops support for AIX/POWER, located in
  src/google/protobuf/stubs/atomicops_internals_power.h.
  This file is copyrighted by Bloomberg Finance LP.

Copyright 2014, Google Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Code generated by the Protocol Buffer compiler is owned by the owner of the input file used when generating it. This code is not standalone and requires a support library to be linked with it. This support library is itself covered by the above license.

Google SMP Patch

The following software may be included in this product:

Google SMP Patch
Google SMP patch

Copyright (c) 2008, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

ICU

The following software may be included in this product:

COPYRIGHT AND PERMISSION NOTICE (ICU 58 and later)

Copyright (c) 1991-2019 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in https://www.unicode.org/copyright.html.
Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either (a) this copyright and permission notice appear with all copies of the Data Files or Software, or (b) this copyright and permission notice appear in associated Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.
Third-Party Software Licenses

This section contains third-party software notices and/or additional terms for licensed third-party software components included within ICU libraries.

1. ICU License - ICU 1.8.1 to ICU 57.1

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2016 International Business Machines Corporation and others
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.


# The Google Chrome software developed by Google is licensed under
# the BSD license. Other software included in this distribution is
# provided under other licenses, as set forth below.
#
# The BSD License
# http://opensource.org/licenses/bsd-license.php
# Copyright (C) 2006-2008, Google Inc.
#
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are
# met:
#
# Redistributions of source code must retain the above copyright notice,
# this list of conditions and the following disclaimer.
# Redistributions in binary form must reproduce the above
# copyright notice, this list of conditions and the following
# disclaimer in the documentation and/or other materials provided with
# the distribution.
# Neither the name of Google Inc. nor the names of its
# contributors may be used to endorse or promote products derived from
# this software without specific prior written permission.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
# CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
# LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
# CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
# SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
# BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
# LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
# NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
# SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
#
# The word list in cjdict.txt are generated by combining three word lists
# listed below with further processing for compound word breaking. The
# frequency is generated with an iterative training against Google web
# corpora.
#
# * Libtabe (Chinese)
#   - https://sourceforge.net/project/?group_id=1519
#   - Its license terms and conditions are shown below.
# *
# * IPADIC (Japanese)
#   - http://chasen.aist-nara.ac.jp/chasen/distribution.html
# - Its license terms and conditions are shown below.
#
# ----------------COPYING.libtabe ---- BEGIN-------------------
#
# /*
# * Copyright (c) 1999 TaBE Project.
# * Copyright (c) 1999 Pai-Hsiang Hsiao.
# * All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * Redistributions in binary form must reproduce the above copyright
# * notice, this list of conditions and the following disclaimer in
# * the documentation and/or other materials provided with the
# * distribution.
# * Neither the name of the TaBE Project nor the names of its
# * contributors may be used to endorse or promote products derived
# * from this software without specific prior written permission.
# *
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
#
# /*
# * Copyright (c) 1999 Computer Systems and Communication Lab,
# * Institute of Information Science, Academia
# * Sinica. All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * Redistributions in binary form must reproduce the above copyright
# * notice, this list of conditions and the following disclaimer in
# * the documentation and/or other materials provided with the
# * distribution.
# * Neither the name of the Computer Systems and Communication Lab
# * nor the names of its contributors may be used to endorse or
# * promote products derived from this software without specific
# * prior written permission.
# *
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
#
# Copyright 1996 Chih-Hao Tsai @ Beckman Institute,
# University of Illinois
# c-tsai4@uiuc.edu http://casper.beckman.uiuc.edu/~c-tsai4
#
# ------------COPYING.libtabe-----END-------------------------------
#
# ------------COPYING.ipadic-----BEGIN-------------------------------
#
# Copyright 2000, 2001, 2002, 2003 Nara Institute of Science
# and Technology. All Rights Reserved.
#
# Use, reproduction, and distribution of this software is permitted.
# Any copy of this software, whether in its original form or modified,
# must include both the above copyright notice and the following
# paragraphs.
#
# Nara Institute of Science and Technology (NAIST),
# the copyright holders, disclaims all warranties with regard to this
# software, including all implied warranties of merchantability and
# fitness, in no event shall NAIST be liable for
# any special, indirect or consequential damages or any damages
# whatsoever resulting from loss of use, data or profits, whether in an
# action of contract, negligence or other tortuous action, arising out
# of or in connection with the use or performance of this software.
A large portion of the dictionary entries originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or
# modified, was distributed or delivered to or received by a user from
# any person, organization or entity other than ICOT, unless it makes or
# grants independently of ICOT any specific warranty to the user in
# writing, such person, organization or entity, will also be exempted
# from and not be held liable to the user for any such damages as noted
# above as far as the program is concerned.
#
# ---------------COPYING.ipadic-----END----------------------------------

3. Lao Word Break Dictionary Data (laodict.txt)

# Copyright (c) 2013 International Business Machines Corporation
# and others. All Rights Reserved.
#
# Project: http://code.google.com/p/lao-dictionary/
# License:
http://lao-dictionary.googlecode.com/git/Lao-Dictionary-LICENSE.txt
#    (copied below)
#
# This file is derived from the above dictionary, with slight
# modifications.
# -----------------------------------------------
# Copyright (C) 2013 Brian Eugene Wilson, Robert Martin Campbell.
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification,
# are permitted provided that the following conditions are met:
# *
# *
# Redistributions of source code must retain the above copyright notice,
this
# list of conditions and the following disclaimer. Redistributions in
# binary form must reproduce the above copyright notice, this list of
# conditions and the following disclaimer in the documentation and/or
# other materials provided with the distribution.
# *
# *
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
# INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# OF THE POSSIBILITY OF SUCH DAMAGE.
#
#----------------------------------------------------------------------------------

4. Burmese Word Break Dictionary Data (burmesedict.txt)

# Copyright (c) 2014 International Business Machines Corporation
# and others. All Rights Reserved.
#
# This list is part of a project hosted at:
# github.com/kanyawtech/myanmar-karen-word-lists
#
#
#----------------------------------------------------------------------------------

# Copyright (c) 2013, LeRoy Benjamin Sharon
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions
# are met: Redistributions of source code must retain the above
# copyright notice, this list of conditions and the following
# disclaimer. Redistributions in binary form must reproduce the
# above copyright notice, this list of conditions and the following
# disclaimer in the documentation and/or other materials provided
# with the distribution.
#
# Neither the name Myanmar Karen Word Lists, nor the names of its
# contributors may be used to endorse or promote products derived
# from this software without specific prior written permission.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
# CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS
# BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
# EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED
# TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
# DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
# ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR
# TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF
# THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
# SUCH DAMAGE.
#
#----------------------------------------------------------------------------------
5. Time Zone Database

ICU uses the public domain data and code derived from Time Zone Database for its time zone support. The ownership of the TZ database is explained in BCP 175: Procedure for Maintaining the Time Zone Database section 7.

# 7. Database Ownership

# The TZ database itself is not an IETF Contribution or an IETF document. Rather it is a pre-existing and regularly updated work that is in the public domain, and is intended to remain in the public domain. Therefore, BCPs 78 [RFC5378] and 79 [RFC3979] do not apply to the TZ Database or contributions that individuals make to it. Should any claims be made and substantiated against the TZ Database, the organization that is providing the IANA Considerations defined in this RFC, under the memorandum of understanding with the IETF, currently ICANN, may act in accordance with all competent court orders. No ownership claims will be made by ICANN or the IETF Trust on the database or the code. Any person making a contribution to the database or code waives all rights to future claims in that contribution or in the TZ Database.

6. Google double-conversion

Copyright 2006-2011, the V8 project authors. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

ICU4C Unicode Libraries

This Oracle Product includes or references ICU4C, which is licensed to Oracle under the following terms:

Copyright (c) 1995-2013 International Business Machines Corporation and others

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.

The following Third-Party Software Licenses are also included as part of ICU4C:

1. Unicode Data Files and Software

EXHIBIT 1
UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE
Unicode Data Files include all data files under the directories
http://www.unicode.org/Public/, http://www.unicode.org/reports/, and
http://www.unicode.org/cldr/data/. Unicode Data Files do not include PDF
online code charts under the directory http://www.unicode.org/Public/.
Software includes any source code published in the Unicode Standard or under

NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOADING,
INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.’S DATA FILES (“DATA
FILES”), AND/OR SOFTWARE (“SOFTWARE”), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO
BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT
AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR
SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright ?? 1991-2013 Unicode, Inc. All rights reserved. Distributed
under the Terms of Use in http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a
copy of the Unicode data files and any associated documentation (the “Data
Files”) or Unicode software and any associated documentation (the “Software”)
to deal in the Data Files or Software without restriction, including without
limitation the rights to use, copy, modify, merge, publish, distribute,
and/or sell copies of the Data Files or Software, and to permit persons to
whom the Data Files or Software are furnished to do so, provided that (a) the
above copyright notice(s) and this permission notice appear with all copies
of the Data Files or Software, (b) both the above copyright notice(s) and
this permission notice appear in associated documentation, and (c) there is
clear notice in each modified Data File or in the Software as well as in the
documentation associated with the Data File(s) or Software that the data or
software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY
KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF
THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS
INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR
CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE
OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall
not be used in advertising or otherwise to promote the sale, use or other
dealings in these Data Files or Software without prior written authorization.
of the copyright holder.

Unicode and the Unicode logo are trademarks of Unicode, Inc. in the United States and other countries. All third party trademarks referenced herein are the property of their respective owners.


# The Google Chrome software developed by Google is licensed under the BSD license. Other software included in this distribution is provided under other licenses, as set forth below.
#
# The BSD License
# http://opensource.org/licenses/bsd-license.php
# Copyright (C) 2006-2008, Google Inc.
#
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
# # Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
# # Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
# # Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
# #
# # THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
#
# The word list in cjdict.txt are generated by combining three word lists listed below with further processing for compound word breaking. The frequency is generated
with an iterative training against Google web corpora.

* Libtabe (Chinese)
  - [sourceforge.net/project/?group_id=1519](http://sourceforge.net/project/?group_id=1519)
  - Its license terms and conditions are shown below.

* IPADIC (Japanese)
  - [chasen.aist-nara.ac.jp/chasen/distribution.html](http://chasen.aist-nara.ac.jp/chasen/distribution.html)
  - Its license terms and conditions are shown below.

---------COPYING.libtabe ---- BEGIN--------------

/*
 * Copyright (c) 1999 TaBE Project.
 * Copyright (c) 1999 Pai-Hsiang Hsiao.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in
 * the documentation and/or other materials provided with the
 * distribution.
 * Neither the name of the TaBE Project nor the names of its
 * contributors may be used to endorse or promote products derived
 * from this software without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
 * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
 * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
 * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
 * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
 * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
 * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
 * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
 * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
 * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
 * OF THE POSSIBILITY OF SUCH DAMAGE.
 */

/*
 * Copyright (c) 1999 Computer Systems and Communication Lab,
 * Institute of Information Science, Academia Sinica.
# * All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * Redistributions in binary form must reproduce the above copyright
# * notice, this list of conditions and the following disclaimer in
# * the documentation and/or other materials provided with the
# * distribution.
# * Neither the name of the Computer Systems and Communication Lab
# * nor the names of its contributors may be used to endorse or
# * promote products derived from this software without specific
# * prior written permission.
# *
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
#
# Copyright 1996 Chih-Hao Tsai @ Beckman Institute, University of Illinois
# c-tsai4@uiuc.edu  http://casper.beckman.uiuc.edu/~c-tsai4
#
# ---------------COPYING.libtabe-----END------------------------------------
#
# ---------------COPYING.ipadic-----BEGIN------------------------------------
#
# Copyright 2000, 2001, 2002, 2003 Nara Institute of Science
# and Technology. All Rights Reserved.
#
# Use, reproduction, and distribution of this software is permitted.
# Any copy of this software, whether in its original form or modified,
# must include both the above copyright notice and the following
# paragraphs.
Nara Institute of Science and Technology (NAIST),
the copyright holders, disclaims all warranties with regard to this
software, including all implied warranties of merchantability and
fitness, in no event shall NAIST be liable for
any special, indirect or consequential damages or any damages
whatsoever resulting from loss of use, data or profits, whether in an
action of contract, negligence or other tortuous action, arising out
of or in connection with the use or performance of this software.

A large portion of the dictionary entries
originate from ICOT Free Software. The following conditions for ICOT
Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its
original form or modified, to any third party or parties, PROVIDED
that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
on, or be attached to, the Program, which is distributed substantially
in the same form as set out herein and that such intended
distribution, if actually made, will neither violate or otherwise
contravene any of the laws and regulations of the countries having
jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the
research and development conducted during the project and is provided
to users as so produced on an experimental basis. Accordingly, the
program is provided without any warranty whatsoever, whether express,
implied, statutory or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality,
performance, merchantability and fitness for a particular purpose of
the program and the nonexistence of any infringement or violation of
any right of any third party.

Each user of the program will agree and understand, and be deemed to
have agreed and understood, that there is no warranty whatsoever for
the program and, accordingly, the entire risk arising from or
otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other
organization that participated in or was otherwise related to the
development of the program and their respective officials, directors,
officers and other employees shall be held liable for any and all
damages, including, without limitation, general, special, incidental
and consequential damages, arising out of or otherwise in connection
with the use or inability to use the program or any product, material
or result produced or otherwise obtained by using the program,
regardless of whether they have been advised of, or otherwise had
knowledge of, the possibility of such damages at any time during the
project or thereafter. Each user will be deemed to have agreed to the
foregoing by his or her commencement of use of the program. The term
"use" as used herein includes, but is not limited to, the use,
modification, copying and distribution of the program and the
production of secondary products from the program.

In the case where the program, whether in its original form or
modified, was distributed or delivered to or received by a user from
any person, organization or entity other than ICOT, unless it makes or
grants independently of ICOT any specific warranty to the user in
writing, such person, organization or entity, will also be exempted
from and not be held liable to the user for any such damages as noted
above as far as the program is concerned.

---------------COPYING.ipadic-----END-------------------------------

3. Lao Word Break Dictionary Data (laodict.txt)

# Copyright (c) 2013 International Business Machines Corporation
# and others. All Rights Reserved.
#
# Project:  http://code.google.com/p/lao-dictionary/
# License: http://lao-dictionary.googlecode.com/git/Lao-Dictionary-LICENSE.txt
#    (copied below)
#
# This file is derived from the above dictionary, with slight modifications.

#--------------------------------------------------------------------------------

----
# Copyright (C) 2013 Brian Eugene Wilson, Robert Martin Campbell.
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification,
# are permitted provided that the following conditions are met:
#
# Redistributions of source code must retain the above copyright notice,
# this
# list of conditions and the following disclaimer. Redistributions in
# binary
# form must reproduce the above copyright notice, this list of conditions
# and
# the following disclaimer in the documentation and/or other materials
# provided with the distribution.
#
4. Time Zone Database

ICU uses the public domain data and code derived from Time Zone Database for its time zone support. The ownership of the TZ database is explained in BCP 175: Procedure for Maintaining the Time Zone Database section 7.

7. Database Ownership

The TZ database itself is not an IETF Contribution or an IETF document. Rather it is a pre-existing and regularly updated work that is in the public domain, and is intended to remain in the public domain. Therefore, BCPs 78 [RFC5378] and 79 [RFC3979] do not apply to the TZ Database or contributions that individuals make to it. Should any claims be made and substantiated against the TZ Database, the organization that is providing the IANA Considerations defined in this RFC, under the memorandum of understanding with the IETF, currently ICANN, may act in accordance with all competent court orders. No ownership claims will be made by ICANN or the IETF Trust on the database or the code. Any person making a contribution to the database or code waives all rights to future claims in that contribution or in the TZ Database.

Janson

The following software may be included in this product:

Janson 2.6
Licence Text:

Copyright (c) 2009-2013 Petri Lehtinen <petri@digip.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

jQuery UI

The following software may be included in this product:
Copyright (c) 2012 Paul Bakaus, http://jqueryui.com/

This software consists of voluntary contributions made by many individuals (AUTHORS.txt, http://jqueryui.com/about) For exact contribution history, see the revision history and logs, available at http://jquery-ui.googlecode.com/svn/

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

jQuery v 1.10.2

The following software may be included in this product:
jQuery v 1.10.2
Copyright 2005, 2013 jQuery Foundation, Inc. and other contributors
http://jquery.com/

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

******************************************
The jQuery JavaScript Library v1.10.2 also includes Sizzle.js

Sizzle.js includes the following license:

Copyright JS Foundation and other contributors, https://js.foundation/
This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at https://github.com/jquery/sizzle
The following license applies to all parts of this software except as documented below:

=====

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

====

All files located in the node_modules and external directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

*******************

Kerberos5

The following software may be included in this product:
Kerberos5

Copyright (C) 1985-2019 by the Massachusetts Institute of Technology.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Downloading of this software may constitute an export of cryptographic
software from the United States of America that is subject to the
United States Export Administration Regulations (EAR), 15 CFR 730-774.
Additional laws or regulations may apply. It is the responsibility of
the person or entity contemplating export to comply with all
applicable export laws and regulations, including obtaining any
required license from the U.S. government.

The U.S. government prohibits export of encryption source code to
certain countries and individuals, including, but not limited to, the
countries of Cuba, Iran, North Korea, Sudan, Syria, and residents and
nationals of those countries.

Documentation components of this software distribution are licensed
under a Creative Commons Attribution-ShareAlike 3.0 Unported License.
(http://creativecommons.org/licenses/by-sa/3.0/)

Individual source code files are copyright MIT, Cygnus Support,
Novell, OpenVision Technologies, Oracle, Red Hat, Sun Microsystems,
FundsXpress, and others.

Project Athena, Athena, Athena MUSE, Discuss, Hesiod, Kerberos, Moira,
and Zephyr are trademarks of the Massachusetts Institute of Technology
(MIT). No commercial use of these trademarks may be made without
prior written permission of MIT.

"Commercial use" means use of a name in a product or other for-profit
manner. It does NOT prevent a commercial firm from referring to the
MIT trademarks in order to convey information (although in doing so,
recognition of their trademark status should be given).

======================================================================

The following copyright and permission notice applies to the
OpenVision Kerberos Administration system located in "kadmin/create",
"kadmin/dbutil", "kadmin/passwd", "kadmin/server", "lib/kadm5", and
portions of "lib/rpc":
WARNING: Retrieving the OpenVision Kerberos Administration system source code, as described below, indicates your acceptance of the following terms. If you do not agree to the following terms, do not retrieve the OpenVision Kerberos administration system.

You may freely use and distribute the Source Code and Object Code compiled from it, with or without modification, but this Source Code is provided to you "AS IS" EXCLUSIVE OF ANY WARRANTY, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, WHETHER EXPRESS OR IMPLIED. IN NO EVENT WILL OPENVISION HAVE ANY LIABILITY FOR ANY LOST PROFITS, LOSS OF DATA OR COSTS OF PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES, OR FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THIS AGREEMENT, INCLUDING, WITHOUT LIMITATION, THOSE RESULTING FROM THE USE OF THE SOURCE CODE, OR THE FAILURE OF THE SOURCE CODE TO PERFORM, OR FOR ANY OTHER REASON.

OpenVision retains all copyrights in the donated Source Code. OpenVision also retains copyright to derivative works of the Source Code, whether created by OpenVision or by a third party. The OpenVision copyright notice must be preserved if derivative works are made based on the donated Source Code.

OpenVision Technologies, Inc. has donated this Kerberos Administration system to MIT for inclusion in the standard Kerberos 5 distribution. This donation underscores our commitment to continuing Kerberos technology development and our gratitude for the valuable work which has been performed by MIT and the Kerberos community.

======================================================================
Portions contributed by Matt Crawford "crawdad@fnal.gov" were work performed at Fermi National Accelerator Laboratory, which is operated by Universities Research Association, Inc., under contract DE-AC02-76CHO3000 with the U.S. Department of Energy.

======================================================================

Portions of "src/lib/crypto" have the following copyright:

Copyright (C) 1998 by the FundsXpress, INC.

All rights reserved.
Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of FundsXpress not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. FundsXpress makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

======================================================================

The implementation of the AES encryption algorithm in "src/lib/crypto/builtin/aes" has the following copyright:

Copyright (C) 2001, Dr Brian Gladman "brg@gladman.uk.net", Worcester, UK. All rights reserved.

LICENSE TERMS

The free distribution and use of this software in both source and binary form is allowed (with or without changes) provided that:

1. distributions of this source code include the above copyright notice, this list of conditions and the following disclaimer;

2. distributions in binary form include the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other associated materials;

3. the copyright holder's name is not used to endorse products built using this software without specific written permission.

DISCLAIMER
This software is provided 'as is' with no explicit or implied warranties in respect of any properties, including, but not limited to, correctness and fitness for purpose.

======================================================================

Portions contributed by Red Hat, including the pre-authentication plug-in framework and the NSS crypto implementation, contain the following copyright:

Copyright (C) 2006 Red Hat, Inc.
Portions copyright (C) 2006 Massachusetts Institute of Technology
All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Red Hat, Inc., nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================
The bundled verto source code is subject to the following license:

Copyright 2011 Red Hat, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================
The MS-KKDCP client implementation has the following copyright:

Copyright 2013,2014 Red Hat, Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================
The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
"src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

are subject to the following license:

Copyright (C) 2004 Sun Microsystems, Inc.

Permission is hereby granted, free of charge, to any person
obtaining a copy of this software and associated documentation
files (the "Software"), to deal in the Software without
restriction, including without limitation the rights to use, copy,
modify, merge, publish, distribute, sublicense, and/or sell copies
of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS
BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN
ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.

======================================================================
Kerberos V5 includes documentation and software developed at the
University of California at Berkeley, which includes this copyright
notice:
Copyright (C) 1983 Regents of the University of California.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above
   copyright notice, this list of conditions and the following
   disclaimer in the documentation and/or other materials provided
   with the distribution.

3. Neither the name of the University nor the names of its
   contributors may be used to endorse or promote products derived
   from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS
OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

======================================================================
Portions contributed by Novell, Inc., including the LDAP database
backend, are subject to the following license:

Copyright (C) 2004-2005, Novell, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* The copyright holder's name is not used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Portions funded by Sandia National Laboratory and developed by the University of Michigan's Center for Information Technology Integration, including the PKINIT implementation, are subject to the following license:

COPYRIGHT (C) 2006-2007
THE REGENTS OF THE UNIVERSITY OF MICHIGAN
ALL RIGHTS RESERVED

Permission is granted to use, copy, create derivative works and redistribute this software and such derivative works for any purpose, so long as the name of The University of Michigan is not used in any advertising or publicity pertaining to the use of distribution of this software without specific, written prior authorization. If the above copyright notice or any other identification of the University of Michigan is included in any copy of any portion of this software, then the disclaimer below must also be included.
THIS SOFTWARE IS PROVIDED AS IS, WITHOUT REPRESENTATION FROM THE UNIVERSITY OF MICHIGAN AS TO ITS FITNESS FOR ANY PURPOSE, AND WITHOUT WARRANTY BY THE UNIVERSITY OF MICHIGAN OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE REGENTS OF THE UNIVERSITY OF MICHIGAN SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WITH RESPECT TO ANY CLAIM ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE SOFTWARE, EVEN IF IT HAS BEEN OR IS HEREAFTER ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

======================================================================
The pkcs11.h file included in the PKINIT code has the following license:

Copyright 2006 g10 Code GmbH
Copyright 2006 Andreas Jellinghaus

This file is free software; as a special exception the author gives unlimited permission to copy and/or distribute it, with or without modifications, as long as this notice is preserved.

This file is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, to the extent permitted by law; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

======================================================================

Portions contributed by Apple Inc. are subject to the following license:

Copyright 2004-2008 Apple Inc. All Rights Reserved.

Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Apple Inc. not be used in advertising or publicity pertaining to distribution of the software without specific,
written prior permission. Apple Inc. makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

======================================================================

The implementations of UTF-8 string handling in src/util/support and src/lib/krb5/unicode are subject to the following copyright and permission notice:

The OpenLDAP Public License
Version 2.8, 17 August 2003

Redistribution and use of this software and associated documentation ("Software"), with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source form must retain copyright statements and notices,

2. Redistributions in binary form must reproduce applicable copyright statements and notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution, and

3. Redistributions must contain a verbatim copy of this document.

The OpenLDAP Foundation may revise this license from time to time. Each revision is distinguished by a version number. You may use this Software under terms of this license revision or under the terms of any subsequent revision of the license.

THIS SOFTWARE IS PROVIDED BY THE OPENLDAP FOUNDATION AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OPENLDAP FOUNDATION, ITS CONTRIBUTORS, OR THE AUTHOR(S) OR OWNER(S) OF THE SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The names of the authors and copyright holders must not be used in advertising or otherwise to promote the sale, use or other dealing in this Software without specific, written prior permission. Title to copyright in this Software shall at all times remain with copyright holders.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Copyright 1999-2003 The OpenLDAP Foundation, Redwood City, California, USA. All Rights Reserved. Permission to copy and distribute verbatim copies of this document is granted.

Marked test programs in src/lib/krb5/krb have the following copyright:

Copyright (C) 2006 Kungliga Tekniska Högskolan (Royal Institute of Technology, Stockholm, Sweden). All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of KTH nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY KTH AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL KTH OR ITS
The KCM Mach RPC definition file used on macOS has the following copyright:

Copyright (C) 2009 Kungliga Tekniska Högskolan (Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Portions Copyright (C) 2009 Apple Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the Institute nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Portions of the RPC implementation in src/lib/rpc and src/include/gssrpc have the following copyright and permission notice:

Copyright (C) 2010, Oracle America, Inc.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the "Oracle America, Inc." nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================
Copyright (C) 2006, 2007, 2009 NTT (Nippon Telegraph and Telephone Corporation). All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer as the first lines of this file unmodified.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY NTT "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL NTT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Copyright 2000 by Carnegie Mellon University

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Carnegie Mellon University not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS, IN NO EVENT SHALL CARNEGIE MELLON UNIVERSITY BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

======================================================================
Copyright (C) 2002 Naval Research Laboratory (NRL/CCS)

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof.

NRL ALLOWS FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION AND DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

======================================================================
Portions extracted from Internet RFCs have the following copyright notice:

Copyright (C) The Internet Society (2006).

This document is subject to the rights, licenses and restrictions contained in BCP 78, and except as set forth therein, the authors retain all their rights.

This document and the information contained herein are provided on an "AS IS" basis and THE CONTRIBUTOR, THE ORGANIZATION HE/SHE REPRESENTS OR IS SPONSORED BY (IF ANY), THE INTERNET SOCIETY AND THE INTERNET ENGINEERING TASK FORCE DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

======================================================================

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all
Copyright (C) 2006 Secure Endpoints Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Portions of the implementation of the Fortuna-like PRNG are subject to the following notice:

Copyright (C) 2005 Marko Kreen
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (C) 1994 by the University of Southern California

EXPORT OF THIS SOFTWARE from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRANT, permission to copy, modify, and distribute this software and its documentation in source and binary forms is hereby granted, provided that any documentation or other materials related to such distribution or use acknowledge that the software was developed by the University of Southern California.

DISCLAIMER OF WARRANTY. THIS SOFTWARE IS PROVIDED "AS IS". The University of Southern California MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. By way of example, but not limitation, the University of Southern California MAKES NO REPRESENTATIONS OR WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. The University of Southern California shall not be held liable for any liability nor for any direct, indirect, or consequential damages with respect to any claim by the user or distributor of the ksu software.

======================================================================

Copyright (C) 1995
The President and Fellows of Harvard University

This code is derived from software contributed to Harvard by Jeremy Rassen.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgement:

   This product includes software developed by the University of California, Berkeley and its contributors.

4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

Copyright (C) 2008 by the Massachusetts Institute of Technology.
Copyright 1995 by Richard P. Basch. All Rights Reserved.
Copyright 1995 by Lehman Brothers, Inc. All Rights Reserved.

Export of this software from the United States of America may require a specific license from the United States Government. It
is the responsibility of any person or organization
contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and
distribute this software and its documentation for any purpose and
without fee is hereby granted, provided that the above copyright
notice appear in all copies and that both that copyright notice and
this permission notice appear in supporting documentation, and that
the name of Richard P. Basch, Lehman Brothers and M.I.T. not be
used in advertising or publicity pertaining to distribution of the
software without specific, written prior permission. Richard P.
Basch, Lehman Brothers and M.I.T. make no representations about the
suitability of this software for any purpose. It is provided "as
is" without express or implied warranty.

======================================================================
The following notice applies to "src/lib/krb5/krb/strptime.c" and
"src/include/k5-queue.h".

Copyright (C) 1997, 1998 The NetBSD Foundation, Inc.
All rights reserved.

This code was contributed to The NetBSD Foundation by Klaus Klein.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above
copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials provided
with the distribution.

3. All advertising materials mentioning features or use of this
software must display the following acknowledgement:

   This product includes software developed by the NetBSD
   Foundation, Inc. and its contributors.

4. Neither the name of The NetBSD Foundation nor the names of its
contributors may be used to endorse or promote products derived
from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND
CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE
USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH
DAMAGE.

======================================================================
The following notice applies to Unicode library files in
"src/lib/krb5/unicode":

Copyright 1997, 1998, 1999 Computing Research Labs,
New Mexico State University

Permission is hereby granted, free of charge, to any person
obtaining a copy of this software and associated documentation
files (the "Software"), to deal in the Software without
restriction, including without limitation the rights to use, copy,
modify, merge, publish, distribute, sublicense, and/or sell copies
of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE COMPUTING RESEARCH LAB OR
NEW MEXICO STATE UNIVERSITY BE LIABLE FOR ANY CLAIM, DAMAGES OR
OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR
OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE
OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

======================================================================

The following notice applies to "src/util/support/strlcpy.c":

Copyright (C) 1998 Todd C. Miller "Todd.Miller@courtesan.com"

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

======================================================================
The following notice applies to "src/util/profile/argv_parse.c" and "src/util/profile/argv_parse.h":

Copyright 1999 by Theodore Ts'o.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies. THE SOFTWARE IS PROVIDED "AS IS" AND THEODORE TS'O (THE AUTHOR) DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. (Isn't it sick that the U.S. culture of lawsuit-happy lawyers requires this kind of disclaimer?)

======================================================================
The following notice applies to SWIG-generated code in "src/util/profile/profile_tcl.c":

Copyright (C) 1999-2000, The University of Chicago

This file may be freely redistributed without license or fee provided this copyright message remains intact.

======================================================================
The following notice applies to portions of "src/lib/rpc" and "src/include/gssrpc":

Copyright (C) 2000 The Regents of the University of Michigan. All rights reserved.

Copyright (C) 2000 Dug Song "dugsong@UMICH.EDU”. All rights reserved, all wrongs reversed.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Implementations of the MD4 algorithm are subject to the following notice:

Copyright (C) 1990, RSA Data Security, Inc. All rights reserved.

License to copy and use this software is granted provided that it
is identified as the "RSA Data Security, Inc. MD4 Message Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD4 Message Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

======================================================================

Implementations of the MD5 algorithm are subject to the following notice:

Copyright (C) 1990, RSA Data Security, Inc. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

======================================================================

The following notice applies to "src/lib/crypto/crypto_tests/t_mddriver.c":

Copyright (C) 1990-2, RSA Data Security, Inc. Created 1990. All
RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

======================================================================
Portions of "src/lib/krb5" are subject to the following notice:

Copyright (C) 1994 CyberSAFE Corporation.
All Rights Reserved.

Export of this software from the United States of America may require a specific license from the United States Government. It is the responsibility of any person or organization contemplating export to obtain such a license before exporting.

WITHIN THAT CONSTRAINT, permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of M.I.T. not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Furthermore if you modify this software you must label your software as modified software and not distribute it in such a fashion that it might be confused with the original M.I.T. software. Neither M.I.T., the Open Computing Security Group, nor CyberSAFE Corporation make any representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

======================================================================
Portions contributed by PADL Software are subject to the following license:

Copyright (c) 2011, PADL Software Pty Ltd. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions

are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of PADL Software nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY PADL SOFTWARE AND CONTRIBUTORS “AS IS” AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL PADL SOFTWARE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The bundled libev source code is subject to the following license:

All files in libev are Copyright (C)2007,2008,2009 Marc Alexander Lehmann.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in
the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Alternatively, the contents of this package may be used under the terms of the GNU General Public License ("GPL") version 2 or any later version, in which case the provisions of the GPL are applicable instead of the above. If you wish to allow the use of your version of this package only under the terms of the GPL and not to allow others to use your version of this file under the BSD license, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the GPL in this and the other files of this package. If you do not delete the provisions above, a recipient may use your version of this file under either the BSD or the GPL.

======================================================================

Files copied from the Intel AESNI Sample Library are subject to the following license:

Copyright (C) 2010, Intel Corporation
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials
provided with the distribution.

* Neither the name of Intel Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

======================================================================

The following notice applies to "src/ccapi/common/win/OldCC/autolock.hxx":

Copyright (C) 1998 by Danilo Almeida. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

lib_sql.cc

The following software may be included in this product:

lib_sql.cc
Copyright (c) 2000
SWsoft company

This material is provided “as is”, with absolutely no warranty expressed or implied. Any use is at your own risk.

Permission to use or copy this software for any purpose is hereby granted without fee, provided the above notices are retained on all copies. Permission to modify the code and to distribute modified code is granted, provided the above notices are retained, and a notice that the code was modified is included with the above copyright notice.

This code was modified by the MySQL team.

Libaio

The following software may be included in this product:
libaio

You may be receiving a copy of the Libaio library with this MySQL product. The terms of the Oracle license do NOT apply to the Libaio library; it is licensed under the following license, separately from the Oracle programs you receive. If you do not wish to install this program, you may delete its files.

This component is licensed under GNU Lesser General Public License Version 2.1, February 1999.

libeditline-color

The following software may be included in this product:

libeditline-color
Copyright (c) 1992, 1993
The Regents of the University of California. All rights reserved.
This code is derived from software contributed to Berkeley by Christos Zoulas of Cornell University.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

libevent

The following software may be included in this product:
Copyright (c) 2000-2007 Niels Provos <provos@citi.umich.edu>
Copyright (c) 2007-2012 Niels Provos and Nick Mathewson

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

========================================================================

Portions of Libevent are based on works by others, also made available by them under the three-clause BSD license above. The copyright notices are available in the corresponding source files; the license is as above. Here's a list:

log.c:
  Copyright (c) 2000 Dug Song <dugsong@monkey.org>
  Copyright (c) 1993 The Regents of the University of California.

strlcpy.c:
  Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

win32select.c:
  Copyright (c) 2003 Michael A. Davis <mike@datanerds.net>

export.c:
  Copyright (c) 2007 Sun Microsystems

ht-internal.h:
  Copyright (c) 2002 Christopher Clark

minheap-internal.h:
  Copyright (c) 2006 Maxim Yegorushkin <maxim.yegorushkin@gmail.com>

========================================================================

The arc4module is available under the following, sometimes called the "OpenBSD" license:

Copyright (c) 1996, David Mazieres <dm@uun.org>
Copyright (c) 2008, Damien Miller <djm@openbsd.org>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR
ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

==============================================

The Windows timer code is based on code from libutp, which is distributed under this license, sometimes called the "MIT" license.

Copyright (c) 2010 BitTorrent, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

libgcc & libstdc++ Libraries

The following software may be included in this product:

libgcc & libstdc++ libraries

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are
designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those
domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices"
to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.
The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called
an "aggregate" if the compilation and its resulting copyright are
not used to limit the access or legal rights of the compilation's
users beyond what the individual works permit. Inclusion of a
covered work in an aggregate does not cause this License to apply
to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms
of sections 4 and 5, provided that you also convey the machine-readable
Corresponding Source under the terms of this License, in one of
these ways:

a) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by the
Corresponding Source fixed on a durable physical medium
customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by a
written offer, valid for at least three years and valid for as
long as you offer spare parts or customer support for that
product model, to give anyone who possesses the object code
either (1) a copy of the Corresponding Source for all the
software in the product that is covered by this License, on a
durable physical medium customarily used for software
interchange, for a price no more than your reasonable cost
of physically performing this conveying of source, or (2)
access to copy the Corresponding Source from a network server
at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in
accord with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to
the Corresponding Source in the same way through the same place
at no further charge. You need not require recipients to copy
the Corresponding Source along with the object code. If the
place to copy the object code is a network server, the
Corresponding Source may be on a different server (operated
by you or a third party) that supports equivalent copying
facilities, provided you maintain clear directions next to the
object code saying where to find the Corresponding Source.
Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or
updates for a work that has been modified or installed by the
recipient, or for the User Product in which it has been modified
or installed. Access to a network may be denied when the modification
itself materially and adversely affects the operation of the network
or violates the rules and protocols for communication across the
network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of
this License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program
shall be treated as though they were included in this License, to
the extent that they are valid under applicable law. If additional
permissions apply only to part of the Program, that part may be
used separately under those permissions, but the entire Program
remains governed by this License without regard to the additional
permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part
of it. (Additional permissions may be written to require their own
removal in certain cases when you modify the work.) You may place
additional permissions on material, added by you to a covered work,
for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material
you add to a covered work, you may (if authorized by the copyright
holders of that material) supplement the terms of this License with
terms:

a) Disclaiming warranty or limiting liability differently from
the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices
or author attributions in that material or in the Appropriate
Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material,
or requiring that modified versions of such material be marked
in reasonable ways as different from the original version; or
d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.
Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using,
selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of,
a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.
14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE
17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

==
==
GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

Copyright (c) 2009 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.
A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without modifications, governed by version 3 (or a specified later version) of the GNU General Public License (GPL) with the option of using any subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

2. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft
requirements of the license of GCC.

==

==

Copyright (c) 1994
Hewlett-Packard Company

Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

==

==

Copyright (c) 1996,1997
Silicon Graphics Computer Systems, Inc.

Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation. Silicon Graphics makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

==

==

shared_count.hpp
@ Copyright (c) 2001, 2002, 2003 Peter Dimov and Multi Media Ltd.

shared_ptr.hpp
Copyright (C) 1998, 1999 Greg Colvin and Beman Dawes.
Copyright (C) 2001, 2002, 2003 Peter Dimov

weak_ptr.hpp
Copyright (C) 2001, 2002, 2003 Peter Dimov

enable_shared_from_this.hpp
Copyright (C) 2002 Peter Dimov

Distributed under the Boost Software License, Version 1.0.

Boost Software License - Version 1.0 - August 17th, 2003
Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

==

Copyright (C) 2004 Ami Tavory and Vladimir Dreizin, IBM-HRL.

Permission to use, copy, modify, sell, and distribute this software is hereby granted without fee, provided that the above copyright notice appears in all copies, and that both that copyright notice and this permission notice appear in supporting documentation. None of the above authors, nor IBM Haifa Research Laboratories, make any representation about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

libssh v0.7.3

The following software may be included in this product:

libssh v0.7.3
You are receiving a copy of libssh as part of MySQL Shell (a component of the MySQL server) in object code form. The terms of the Oracle license do NOT apply to libssh; libssh is licensed under the LGPLv2.1 license, separate from MySQL. If you do not wish to install t
his library, you
may remove it, but the Oracle program might not operate properly or at all witho
t it. Depending
on the operating system the library can be found in the following locations:

- Linux: <librarydir-prefix>/mysql-shell/libssh.so
- OSX: <librarydir-prefix>/mysql-shell/libssh.dylib
- Windows: <installation-path>\bin\libssh.dll

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

This component is licensed under GNU Lesser General Public License

Additional Libraries Used by libssh

libssh has dependencies on the following libraries:
libgcrypt v1.7.3
-------------
The library is distributed under the terms of the GNU Lesser
General Public License (LGPL); see the file COPYING.LIB for the
actual terms. The helper programs (e.g. gcryptrnd and getrandom)
as well as the documentation are distributed under the terms of
the GNU General Public License (GPL); see the file COPYING for the
actual terms. The file LICENSES has notices about contributions
that require these additional notices are distributed.

Oracle's libssh implementation does not use any of the GPL licensed files that a
re included
with the libgcrypt distribution

libgpg-error v1.24
-------------
Oracle uses a subset of the files in libgpg-error to build libssh,
All of the files used by Oracle are licensed under the LGPLv2.1

Libgpg-error is free software; you can redistribute it and/or modify
it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. See the file COPYING.LIB for copyright and warranty information. See the file AUTHORS for a list of authors and important mail addresses.

However, some files (for example src/mkerrnos.awk) used in the build process of the library and the manual are covered by a different license. Please see the header of these files and the file COPYING for copyright and warranty information on these files. A special exception in the copyright license of these files makes sure that the output in the build process, which is used in libgpg-error, is not affected by the GPL.

COPYING:

********************************************************************************

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.
1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

COPYING.LIB:

---------------------------------------------------------------------

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of
any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms
of the ordinary General Public License).

To apply these terms, attach the following notices to the library.
It is safest to attach them to the start of each source file to most
effectively convey the exclusion of warranty; and each file should
have at least the "copyright" line and a pointer to where the full
notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.
This library is distributed in the hope that it will be useful, 
but WITHOUT ANY WARRANTY; without even the implied warranty of 
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU 
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public 
License along with this library; if not, write to the Free Software 
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or 
your school, if any, to sign a "copyright disclaimer" for the library, 
if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the 
library 'Frob' (a library for tweaking knobs) written by James 
Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

libunwind

The following software may be included in this product:

libunwind
Copyright (c) 2002 Hewlett-Packard Co.

Permission is hereby granted, free of charge, to any person obtaining 
a copy of this software and associated documentation files (the 
"Software"), to deal in the Software without restriction, including 
without limitation the rights to use, copy, modify, merge, publish, 
distribute, sublicense, and/or sell copies of the Software, and to 
permit persons to whom the Software is furnished to do so, subject to 
the following conditions:

The above copyright notice and this permission notice shall be 
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, 
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF 
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND 
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE 
LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

linenoise-ng

The following software may be included in this product:

  linenoise-ng.cpp
Copyright (c) 2010, Salvatore Sanfilippo <antirez at gmail dot com>
Copyright (c) 2010, Pieter Noordhuis <pcnoordhuis at gmail dot com>

All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

  * Redistributions of source code must retain the above copyright notice,
    this list of conditions and the following disclaimer.

  * Redistributions in binary form must reproduce the above copyright
    notice, this list of conditions and the following disclaimer in the
    documentation and/or other materials provided with the distribution.

  * Neither the name of Redis nor the names of its contributors may be used
    to endorse or promote products derived from this software without
    specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

  wcwidth.cpp
Markus Kuhn -- 2007-05-26 (Unicode 5.0)

Permission to use, copy, modify, and distribute this software
for any purpose and without fee is hereby granted. The author
disclaims all warranties with regard to this software.

  ConvertUTF.cpp
Disclaimer

This source code is provided as is by Unicode, Inc. No claims are made as to fitness for any particular purpose. No warranties of any kind are expressed or implied. The recipient agrees to determine applicability of information provided. If this file has been purchased on magnetic or optical media from Unicode, Inc., the sole remedy for any claim will be exchange of defective media within 90 days of receipt.

Limitations on Rights to Redistribute This Code

Unicode, Inc. hereby grants the right to freely use the information supplied in this file in the creation of products supporting the Unicode Standard, and to make copies of this file in any form for internal or external distribution as long as this notice remains attached.

Linux-PAM

The following software may be included in this product:
Linux-PAM (pam-devel, Pluggable authentication modules for Linux)

Copyright Theodore Ts'o, 1996. All rights reserved.

(For the avoidance of doubt, Oracle uses and distributes this component under the terms below and elects not to do so under the GPL even though the GPL is referenced as an option below.)

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, and the entire permission notice in its entirety, including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

ALTERNATIVELY, this product may be distributed under the terms of the GNU Public License, in which case the provisions of the
GPL are required INSTEAD OF the above restrictions. (This clause is necessary due to a potential bad interaction between the GPL and the restrictions contained in a BSD-style copyright.)

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

LZ4

The following software may be included in this product:
LZ4 Library
Copyright (c) 2011-2016, Yann Collet
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

md5 (Message-Digest Algorithm 5)

The following software may be included in this product:
md5 (Message-Digest Algorithm 5)

This code implements the MD5 message-digest algorithm. The algorithm is due to Ron Rivest. This code was written by Colin Plumb in 1993, no copyright is claimed. This code is in the public domain; do with it what you wish.

Equivalent code is available from RSA Data Security, Inc. This code has been tested against that, and is equivalent, except that you don't need to include two pages of legalese with every copy.

The code has been modified by Mikael Ronstroem to handle calculating a hash value of a key that is always a multiple of 4 bytes long. Word 0 of the calculated 4-word hash value is returned as the hash value.

MeCab

The following software may be included in this product:
Copyright (c) 2001-2008, Taku Kudo
Copyright (c) 2004-2008, Nippon Telegraph and Telephone Corporation
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Nippon Telegraph and Telegraph Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING,
BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN
ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

McCAB Dictionary

The following software may be included in this product:
All Rights Reserved.

Use, reproduction, and distribution of this software is permitted. Any copy
of this software, whether in its original form or modified, must include both
the above copyright notice and the following paragraphs.

Nara Institute of Science and Technology (NAIST), the copyright holders,
disclaims all warranties with regard to this software, including all implied
warranties of merchantability and fitness, in no event shall NAIST be liable
for any special, indirect or consequential damages or any damages whatsoever
resulting from loss of use, data or profits, whether in an action of
contract, negligence or other tortuous action, arising out of or in
connection with the use or performance of this software.

A large portion of the dictionary entries originate from ICOT Free Software.
The following conditions for ICOT Free Software applies to the current
dictionary as well.

Each User may also freely distribute the Program, whether in its original
form or modified, to any third party or parties, PROVIDED that the provisions
of Section 3 (“NO WARRANTY”) will ALWAYS appear on, or be attached to, the
Program, which is distributed substantially in the same form as set out
herein and that such intended distribution, if actually made, will neither
violate or otherwise contravene any of the laws and regulations of the
countries having jurisdiction over the User or the intended distribution
itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the
research and development conducted during the project and is provided to
users as so produced on an experimental basis. Accordingly, the program is
provided without any warranty whatsoever, whether express, implied, statutory
or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

memcached

The following software may be included in this product:

   memcached

Copyright (c) 2003, Danga Interactive, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

   * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Danga Interactive nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

nt_servc (Windows NT Service class library)

The following software may be included in this product:

nt_servc (Windows NT Service class library)
Windows NT Service class library
Copyright Abandoned 1998 Irena Pancirov - Irnet Snc
This file is public domain and comes with NO WARRANTY of any kind

NUMA

The following software may be included in this product:
You are receiving a copy of libnuma as part of MySQL in object code form. The terms of the Oracle license do NOT apply to libnuma; the libnuma source code is licensed under the LGPLv2.1 license.

This component is licensed under GNU Lesser General Public License Version 2.1, February 1999.

OpenPAM

The following software may be included in this product:

OpenPAM
Copyright (c) 2002-2003 Networks Associates Technology, Inc.
Copyright (c) 2004-2007 Dag-Erling Smørgrav
All rights reserved.

This software was developed for the FreeBSD Project by
ThinkSec AS and Network Associates Laboratories, the
Security Research Division of Network Associates, Inc.
der under DARPA/SPAWAR contract N66001-01-C-8035 ("CBOSS"),
as part of the DARPA CHATS research program.

Redistribution and use in source and binary forms,
with or without modification, are permitted provided
that the following conditions are met:

1. Redistributions of source code must retain the above
copyright notice, this list of conditions and the
following disclaimer.
2. Redistributions in binary form must reproduce the
above copyright notice, this list of conditions and
the following disclaimer in the documentation and/or
other materials provided with the distribution.
3. The name of the author may not be used to endorse or
promote products derived from this software without
specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING,
BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN
NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR
ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED
AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN
IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

OpenSSL License

You are receiving a copy of OpenSSL as part of this product in object
code form. The terms of the Oracle license do NOT apply to OpenSSL.
OpenSSL is licensed under a double license, of the OpenSSL License and
the original SSLeay license, separate from the Oracle product. If you
do not wish to install this library, you may remove it, but the Oracle
program might not operate properly or at all without it.
LICENSE ISSUES
The OpenSSL toolkit stays under a double license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts.

OpenSSL License
-------------

/* ====================================================================
* Copyright (c) 1998-2019 The OpenSSL Project. All rights reserved.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in
*    the documentation and/or other materials provided with the
*    distribution.
* 
* 3. All advertising materials mentioning features or use of this
*    software must display the following acknowledgment:
*    
*    "This product includes software developed by the OpenSSL Project
*    (http://www.openssl.org/"
* 
* 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
*    endorse or promote products derived from this software without
prior written permission. For written permission, please contact
openssl-core@openssl.org.

5. Products derived from this software may not be called "OpenSSL"
or may "OpenSSL" appear in their names without prior written
permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following
acknowledgment:

"This product includes software developed by the OpenSSL Project
for use in the OpenSSL Toolkit (http://www.openssl.org)/"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY
EXpressed OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.

====================================================================
* This product includes cryptographic software written by Eric Young
  * (eay@cryptsoft.com). This product includes software written by Tim
  * Hudson (tjh@cryptsoft.com).
  *
  */

Original SSLeay License
-----------------------

/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)

* All rights reserved.
*
* This package is an SSL implementation written
* by Eric Young (eay@cryptsoft.com).
*
* The implementation was written so as to conform with Netscapes SSL.
* 
* This library is free for commercial and non-commercial use as long as
* the following conditions are aheared to. The following conditions
* apply to all code found in this distribution, be it the RC4, RSA,
* 
* Ihash, DES, etc., code; not just the SSL code. The SSL documentation
* included with this distribution is covered by the same copyright terms
* except that the holder is Tim Hudson (tjh@cryptsoft.com).
* 
* Copyright remains Eric Young’s, and as such any Copyright notices in
* the code are not to be removed.
*
* If this package is used in a product, Eric Young should be given attribution
* as the author of the parts of the library used.
*
* This can be in the form of a textual message at program startup or
* in documentation (online or textual) provided with the package.
* 
*
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the copyright
notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software
must display the following acknowledgement:

"This product includes cryptographic software written by
Eric Young (eay@cryptsoft.com)"

The word 'cryptographic' can be left out if the routines from the library
being used are not cryptographic related :-).

4. If you include any Windows specific code (or a derivative thereof) from
the apps directory (application code) you must include an acknowledgement:

"This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)

* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT

* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY

* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF

* SUCH DAMAGE.

* The licence and distribution terms for any publically available version or

* derivative of this code cannot be changed. i.e. this code cannot simply be

* copied and put under another distribution licence

* [including the GNU Public Licence.]

* /

Percona Multiple I/O Threads Patch

The following software may be included in this product:

Percona Multiple I/O threads patch

Copyright (c) 2008, 2009 Percona Inc

All rights reserved.

Redistribution and use of this software in source and binary forms,
with or without modification, are permitted provided that the
following conditions are met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

* Neither the name of Percona Inc. nor the names of its contributors
  may be used to endorse or promote products derived from this software
  without specific prior written permission of Percona Inc.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Pion

This Oracle Product includes or references Pion which is licensed to Oracle under the following terms:
Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

RapidJSON v1.1.0

The following software may be included in this product:
Copyright (C) 2015 THL A29 Limited, a Tencent company, and Milo Yip. All rights reserved.

If you have downloaded a copy of the RapidJSON binary from Tencent, please note that the RapidJSON binary is licensed under the MIT License.
If you have downloaded a copy of the RapidJSON source code from Tencent, please note that RapidJSON source code is licensed under the MIT License, except for the third-party components listed below which are subject to
different license terms. Your integration of RapidJSON into your own projects may require compliance with the MIT License, as well as the other licenses applicable to the third-party components included within RapidJSON. To avoid the problematic JSON license in your own projects, it's sufficient to exclude the bin/jsonchecker/ directory, as it's the only code under the JSON license.

A copy of the MIT License is included in this file.

Other dependencies and licenses:

Open Source Software Licensed Under the BSD License:

The msinttypes r29
Copyright (c) 2006-2013 Alexander Chemeris
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS AND CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Open Source Software Licensed Under the JSON License:

json.org
Copyright (c) 2002 JSON.org
All Rights Reserved.

JSON_checker
Terms of the JSON License:
-----------------------------------

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

The Software shall be used for Good, not Evil.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Terms of the MIT License:
-----------------------------------

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
RegEX-Spencer Library

The following software may be included in this product: Henry Spencer's Regular-Expression Library (RegEX-Spencer)
Copyright 1992, 1993, 1994 Henry Spencer. All rights reserved.
This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.

2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.

4. This notice may not be removed or altered.

Richard A. O'Keefe String Library

The following software may be included in this product:

Richard A. O'Keefe String Library
The Richard O'Keefe String Library is subject to the following notice:

These files are in the public domain. This includes getopt.c, which is the work of Henry Spencer, University of Toronto Zoology, who says of it "None of this software is derived from Bell software. I had no access to the source for Bell's versions at the time I wrote it. This software is hereby explicitly placed in the public domain. It may be used for any purpose on any machine by anyone." I would greatly prefer it if *my* material received no military use.

The t_cctype.h file is subject to the following notice:

Copyright (C) 1998, 1999 by Pruet Boonma, all rights reserved.
Copyright (C) 1998 by Theppitak Karoonboonyanan, all rights reserved.

Permission to use, copy, modify, distribute and sell this software and its documentation for any purpose is hereby granted without fee, provided that the a
Smaphan Raruenrom and Pruet Boonma makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

sajson

The following software may be included in this product:

sajson
Copyright (c) 2012 Chad Austin

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

SHA-1 in C

The following software may be included in this product:

SHA-1 in C
SHA-1 in C
By Steve Reid <steve@edmweb.com>
100% Public Domain

Snappy

The following software may be included in this product:

Snappy
Copyright 2011, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Socket.IO

The following software may be included in this product:
Copyright (c) 2014-2015 Automattic <dev@cloudup.com>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the 'Software'), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED 'AS IS', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Socket.IO Client

The following software may be included in this product:
Copyright (c) 2014 Guillermo Rauch

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Unicode Data Files, V9.0

The following software may be included in this product:

Unicode Data Files, V9.0
UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE


Unicode Data Files do not include PDF online code charts under the directory http://www.unicode.org/Public/.

Software includes any source code published in the Unicode Standard or under the directories http://www.unicode.org/Public/, http://www.unicode.org/reports/, http://www.unicode.org/cldr/data/, http://source.icu-project.org/repos/icu/, and
NOTICE TO USER: Carefully read the following legal agreement.
BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S
DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"),
YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE
TERMS AND CONDITIONS OF THIS AGREEMENT.
IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE
THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1991-2016 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy
of the Unicode data files and any associated documentation (the "Data Files")
or Unicode software and any associated documentation (the "Software") to deal
in the Data Files or Software without restriction, including without
limitation the rights to use, copy, modify, merge, publish, distribute,
and/or sell copies of the Data Files or Software, and to permit persons to
whom the Data Files or Software are furnished to do so, provided that either
(a) this copyright and permission notice appear with all copies of the Data
Files or Software, or (b) this copyright and permission notice appear in
associated Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY
KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF
THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS
INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR
CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE
OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not
be used in advertising or otherwise to promote the sale, use or other
dealings in these Data Files or Software without prior written authorization
of the copyright holder.

=========================================================================
ICU-LICENSE
-----------
ICU License - ICU 1.8.1 and later

COPYRIGHT AND PERMISSION NOTICE
Copyright (c) 1995-2016 International Business Machines Corporation and others

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.

xxHash

The following software may be included in this product:

xxHash
Copyright (c) 2012-2014, Yann Collet
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation.
and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

zlib

The following software may be included in this product:

zlib

Oracle gratefully acknowledges the contributions of Jean-loup Gailly and Mark Adler in creating the zlib general purpose compression library which is used in this product.
(C) 1995-2017 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

If you use the zlib library in a product, we would appreciate *not* receiving
lengthy legal documents to sign. The sources are provided for free but without warranty of any kind. The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include third-party code.

If you redistribute modified sources, we would appreciate that you include in the file ChangeLog history information documenting your changes. Please read the FAQ for more information on the distribution of modified source versions.

ZSTD

The following software may be included in this product:

Zstandard
Zstandard is dual-licensed under [BSD](LICENSE) and [GPLv2](COPYING).

* This source code is licensed under both the BSD-style license (found in the
  LICENSE file in the root directory of this source tree) and the GPLv2
  (found

  * in the COPYING file in the root directory of this source tree).

  * You may select, at your option, one of the above-listed licenses.
  */

Oracle elects the BSD license

LICENSE:
Copyright (c) 2016-present, Facebook, Inc. All rights reserved.
Copyright (C) 2012-2016, Yann Collet.
Copyright (c) 2003-2008 Yuta Mori All Rights Reserved.
Copyright (c) 2016 Tino Reichardt
Copyright (c) 2016-present, Przemyslaw Skibinski, Yann Collet, Facebook, Inc.
Copyright (c) 2016-present, Yann Collet, Facebook, Inc.
Copyright (c) 2018-present, Facebook, Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name Facebook nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following is from the COPYING file and is included for completeness:

-------------------------------
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

Commonly Used Licenses

Artistic License (Perl) 1.0

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package.
while giving the users of the package the right to use and distribute
the Package in a more-or-less customary fashion, plus the right to make
reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the
Copyright Holder, and derivatives of that collection of files
created through textual modification.

"Standard Version" refers to such a Package if it has not been
modified, or has been modified in accordance with the wishes
of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or
copyrights for the package.

"You" is you, if you're thinking about copying or distributing
this Package.

"Reasonable copying fee" is whatever you can justify on the
basis of media cost, duplication charges, time of people involved,
and so on. (You will not be required to justify it to the
Copyright Holder, but only to the computing community at large
as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item
itself, though there may be fees involved in handling the item.
It also means that recipients of the item may redistribute it
under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the
Standard Version of this Package without restriction, provided that you
duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications
derived from the Public Domain or from the Copyright Holder. A Package
modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided
that you insert a prominent notice in each changed file stating how and
when you changed that file, and provided that you do at least ONE of the
following:

   a) place your modifications in the Public Domain or otherwise make them
      Freely Available, such as by posting said modifications to Usenet or
      an equivalent medium, or placing the modifications on a major archive
      site such as uunet.uu.net, or by allowing the Copyright Holder to include
your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called "undump" or "unexec" methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this
Package.

7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package's interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

GNU Lesser General Public License Version 2.1, February 1999

The following applies to all products licensed under the GNU Lesser General Public License, Version 2.1: You may not use the identified files except in compliance with the GNU Lesser General Public License, Version 2.1 (the "License"). You may obtain a copy of the License at http://www.gnu.org/licenses/lgpl-2.1.html. A copy of the license is also reproduced below. Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original
Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's
complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY. TO THE EXTENT PERMITTED BY APPLICABLE LAW,
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms
of the ordinary General Public License).

To apply these terms, attach the following notices to the library.
It is safest to attach them to the start of each source file to most
effectively convey the exclusion of warranty; and each file should
have at least the "copyright" line and a pointer to where the full
notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA
02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James
Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU Lesser General Public License Version 2, June 1991

GNU LIBRARY GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2
because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to
share and change it. By contrast, the GNU General Public Licenses are
intended to guarantee your freedom to share and change free software--to make
sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.
The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language.
(Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.
   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not
supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable
"work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original
copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Libraries
If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the library's name and an idea of what it does.

Copyright (C) year name of author

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

signature of Ty Coon, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

MIT License

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR
OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE,
ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR
OTHER DEALINGS IN THE SOFTWARE.

Written Offer for Source Code

For any software that you receive from Oracle in binary form which is
licensed under an open source license that gives you the right to
receive the source code for that binary, you can obtain a copy of the
applicable source code by visiting
http://www.oracle.com/goto/opensourcecode. If the source code for the
binary was not provided to you with the binary, you can also receive a
copy of the source code on physical media by submitting a written
request to the address listed below or by sending an email to Oracle
using the following link:
Oracle America, Inc.
Attn: Senior Vice President
Development and Engineering Legal
500 Oracle Parkway, 10th Floor
Redwood Shores, CA 94065

Your request should include:

* The name of the binary for which you are requesting the source code

* The name and version number of the Oracle product containing the
  binary

* The date you received the Oracle product

* Your name

* Your company name (if applicable)
* Your return mailing address and email, and

* A telephone number in the event we need to reach you.

We may charge you a fee to cover the cost of physical media and processing.

Your request must be sent
a. within three (3) years of the date you received the Oracle product that included the binary that is the subject of your request, or
b. in the case of code licensed under the GPL v3 for as long as Oracle offers spare parts or customer support for that product model.

1.747 libjpeg 9d
1.747.1 Available under license:
No license file was found, but licenses were detected in source scan.

/*
 * jchuff.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains Huffman entropy encoding routines.
 * Both sequential and progressive modes are supported in this single module.
 * Much of the complexity here has to do with supporting output suspension.
 * If the data destination module demands suspension, we want to be able to
 * back up to the start of the current MCU. To do this, we copy state
 * variables into local working storage, and update them back to the
 * permanent JPEG objects only upon successful completion of an MCU.
 * We do not support output suspension for the progressive JPEG mode, since
 * the library currently does not allow multiple-scan files to be written
 * with output suspension.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jchuff.c
No license file was found, but licenses were detected in source scan.

IJG JPEG LIBRARY: CODING RULES

Copyright (C) 1991-1996, Thomas G. Lane.
This file is part of the Independent JPEG Group's software.  
For conditions of distribution and use, see the accompanying README file.

Since numerous people will be contributing code and bug fixes, it's important to establish a common coding style. The goal of using similar coding styles is much more important than the details of just what that style is.

In general we follow the recommendations of "Recommended C Style and Coding Standards" revision 6.1 (Cannon et al. as modified by Spencer, Keppel and Brader). This document is available in the IJG FTP archive (see jpeg/doc/cstyle.ms.tbl.Z, or cstyle.txt.Z for those without nroff/tbl).

Block comments should be laid out thusly:

/*
 *  Block comments in this style.
 */

We indent statements in K&R style, e.g.,
if (test) {
    then-part;
} else {
    else-part;
}
with two spaces per indentation level. (This indentation convention is handled automatically by GNU Emacs and many other text editors.)

Multi-word names should be written in lower case with underscores, e.g.,
multi_word_name (not multiWordName). Preprocessor symbols and enum constants are similar but upper case (MULTI_WORD_NAME). Names should be unique within the first fifteen characters. (On some older systems, global names must be unique within six characters. We accommodate this without cluttering the source code by using macros to substitute shorter names.)

We use function prototypes everywhere; we rely on automatic source code transformation to feed prototype-less C compilers. Transformation is done by the simple and portable tool 'ansi2knr.c' (courtesy of Ghostscript). ansi2knr is not very bright, so it imposes a format requirement on function declarations: the function name MUST BEGIN IN COLUMN 1. Thus all functions should be written in the following style:

LOCAL(int *)
function_name (int a, char *b)
{
    code...
}
Note that each function definition must begin with GLOBAL(type), LOCAL(type),
or METHODDEF(type). These macros expand to "static type" or just "type" as appropriate.
They provide a readable indication of the routine's usage and can readily be changed for special needs. (For instance, special linkage keywords can be inserted for use in Windows DLLs.)

ansi2knr does not transform method declarations (function pointers in structs). We handle these with a macro JMETHOD, defined as

```c
#ifdef HAVE_PROTOTYPES
#define JMETHOD(type,methodname,arglist)  type (*methodname) arglist
#else
#define JMETHOD(type,methodname,arglist)  type (*methodname) ()
#endif
```

which is used like this:

```c
struct function_pointers {
  JMETHOD(void, init_entropy_encoder, (int somearg, jparms *jp));
  JMETHOD(void, term_entropy_encoder, (void));
};
```

Note the set of parentheses surrounding the parameter list.

A similar solution is used for forward and external function declarations
(see the EXTERN and JPP macros).

If the code is to work on non-ANSI compilers, we cannot rely on a prototype declaration to coerce actual parameters into the right types. Therefore, use explicit casts on actual parameters whenever the actual parameter type is not identical to the formal parameter. Beware of implicit conversions to "int".

It seems there are some non-ANSI compilers in which the sizeof() operator is defined to return int, yet size_t is defined as long. Needless to say, this is brain-damaged. Always use the SIZEOF() macro in place of sizeof(), so that the result is guaranteed to be of type size_t.

The JPEG library is intended to be used within larger programs. Furthermore, we want it to be reentrant so that it can be used by applications that process multiple images concurrently. The following rules support these requirements:

1. Avoid direct use of file I/O, "malloc", error report printouts, etc;
pass these through the common routines provided.

2. Minimize global namespace pollution. Functions should be declared static wherever possible. (Note that our method-based calling conventions help this a lot: in many modules only the initialization function will ever need to be called directly, so only that function need be externally visible.) All global function names should begin with "jpeg_", and should have an abbreviated name (unique in the first six characters) substituted by macro when NEED_SHORTEXTERNAL_NAMES is set.
3. Don't use global variables; anything that must be used in another module should be in the common data structures.

4. Don't use static variables except for read-only constant tables. Variables that should be private to a module can be placed into private structures (see the system architecture document, structure.txt).

5. Source file names should begin with "j" for files that are part of the library proper; source files that are not part of the library, such as cjpeg.c and djpeg.c, do not begin with "j". Keep source file names to eight characters (plus ".c" or ".h", etc) to make life easy for MS-DOSers. Keep compression and decompression code in separate source files --- some applications may want only one half of the library.

Note: these rules (particularly #4) are not followed religiously in the modules that are used in cjpeg/djpeg but are not part of the JPEG library proper. Those modules are not really intended to be used in other applications.

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/coderules.txt
No license file was found, but licenses were detected in source scan.

/*
 * jerror.h
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file defines the error and message codes for the JPEG library.
 * Edit this file to add new codes, or to translate the message strings to
 * some other language.
 * A set of error-reporting macros are defined too. Some applications using
 * the JPEG library may wish to include this file to get the error codes
 * and/or the macros.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jerror.h
No license file was found, but licenses were detected in source scan.

/*
 * jfdctfst.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
This file contains a fast, not so accurate integer implementation of the
forward DCT (Discrete Cosine Transform).

A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
on each column. Direct algorithms are also available, but they are
much more complex and seem not to be any faster when reduced to code.

This implementation is based on Arai, Agui, and Nakajima's algorithm for
scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
Japanese, but the algorithm is described in the Pennebaker & Mitchell
JPEG textbook (see REFERENCES section in file README). The following code
is based directly on figure 4-8 in P&M.

While an 8-point DCT cannot be done in less than 11 multiplies, it is
possible to arrange the computation so that many of the multiplies are
simple scalings of the final outputs. These multiplies can then be
folded into the multiplications or divisions by the JPEG quantization
table entries. The AA&N method leaves only 5 multiplies and 29 adds
to be done in the DCT itself.

The primary disadvantage of this method is that with fixed-point math,
accuracy is lost due to imprecise representation of the scaled
quantization values. The smaller the quantization table entry, the less
precise the scaled value, so this implementation does worse with high-
quality-setting files than with low-quality ones.

*/

Found in path(s):
*/opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jfdctfst.c

No license file was found, but licenses were detected in source scan.

/*
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a very simple stand-alone application that inserts
 * user-supplied text as a COM (comment) marker in a JFIF file.
 * This may be useful as an example of the minimum logic needed to parse
 * JPEG markers.
 */

Found in path(s):
INSTALLATION INSTRUCTIONS for the Independent JPEG Group's JPEG software

Copyright (C) 1991-2019, Thomas G. Lane, Guido Vollbeding.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file explains how to configure and install the IJG software. We have tried to make this software extremely portable and flexible, so that it can be adapted to almost any environment. The downside of this decision is that the installation process is complicated. We have provided shortcuts to simplify the task on common systems. But in any case, you will need at least a little familiarity with C programming and program build procedures for your system.

If you are only using this software as part of a larger program, the larger program's installation procedure may take care of configuring the IJG code. For example, Ghostscript's installation script will configure the IJG code. You don't need to read this file if you just want to compile Ghostscript.

If you are on a Unix machine, you may not need to read this file at all. Try doing

```
./configure
make
test
```
If that doesn't complain, do

```
make install
```
(better do "make -n install" first to see if the makefile will put the files where you want them). Read further if you run into snags or want to customize the code for your system.

TABLE OF CONTENTS
-----------------

Before you start
Configuring the software:
using the automatic "configure" script
using one of the supplied jconfig and makefile files
by hand
Building the software
Testing the software
Installing the software
Optional stuff
Optimization
Hints for specific systems
BEFORE YOU START
================

Before installing the software you must unpack the distributed source code. Since you are reading this file, you have probably already succeeded in this task. However, there is a potential for error if you needed to convert the files to the local standard text file format (for example, if you are on MS-DOS you may have converted LF end-of-line to CR/LF). You must apply such conversion to all the files EXCEPT those whose names begin with "test". The test files contain binary data; if you change them in any way then the self-test will give bad results.

Please check the last section of this file to see if there are hints for the specific machine or compiler you are using.

CONFIGURING THE SOFTWARE
==========================

To configure the IJG code for your system, you need to create two files:
* jconfig.h: contains values for system-dependent #define symbols.
* Makefile: controls the compilation process.
(On a non-Unix machine, you may create "project files" or some other substitute for a Makefile. jconfig.h is needed in any environment.)

We provide three different ways to generate these files:
* On a Unix system, you can just run the "configure" script.
* We provide sample jconfig files and makefiles for popular machines; if your machine matches one of the samples, just copy the right sample files to jconfig.h and Makefile.
* If all else fails, read the instructions below and make your own files.

Configuring the software using the automatic "configure" script
---------------------------------------------------------------

If you are on a Unix machine, you can just type
./configure
and let the configure script construct appropriate configuration files.
If you're using "csh" on an old version of System V, you might need to type sh configure instead to prevent csh from trying to execute configure itself.
Expect configure to run for a few minutes, particularly on slower machines; it works by compiling a series of test programs.

Configure was created with GNU Autoconf and it follows the usual conventions
for GNU configure scripts. It makes a few assumptions that you may want to override. You can do this by providing optional switches to configure:

* Configure will build both static and shared libraries, if possible. 
If you want to build libjpeg only as a static library, say 
`./configure --disable-shared` 
If you want to build libjpeg only as a shared library, say 
`./configure --disable-static` 
Configure uses GNU libtool to take care of system-dependent shared library building methods.

* Configure will use gcc (GNU C compiler) if it's available, otherwise cc. 
To force a particular compiler to be selected, use the CC option, for example 
`./configure CC='cc'` 
The same method can be used to include any unusual compiler switches. 
For example, on HP-UX you probably want to say 
`./configure CC='cc -Aa'` 
to get HP's compiler to run in ANSI mode.

* The default CFLAGS setting is "-g" for non-gcc compilers, 
"-g -O2" for gcc. 
You can override this by saying, for example, 
`./configure CFLAGS='-O2'` 
if you want to compile without debugging support.

* Configure will set up the makefile so that "make install" will install files 
into /usr/local/bin, /usr/local/man, etc. You can specify an installation 
prefix other than "/usr/local" by giving configure the option "--prefix=PATH".

* If you don't have a lot of swap space, you may need to enable the IJG 
software's internal virtual memory mechanism. To do this, give the option 
"--enable-maxmem=N" where N is the default maxmemory limit in megabytes. 
This is discussed in more detail under "Selecting a memory manager", below. 
You probably don't need to worry about this on reasonably-sized Unix machines, 
unless you plan to process very large images.

Configure has some other features that are useful if you are cross-compiling 
or working in a network of multiple machine types; but if you need those 
features, you probably already know how to use them.

Configuring the software using one of the supplied jconfig and makefile files

If you have one of these systems, you can just use the provided configuration files:

Makefile jconfig fileSystem and/or compiler
makefile.manxjconfig.manxAntig, Manx Aztec C
makefile.sascjconfig.sasAmiga, SAS C
makeproj.macosjconfig.macApple Macintosh, Metrowerks CodeWarrior
mkjjpeg.stjconfig.stAtari ST/STTE/TT, Pure C or Turbo C
makefile.bccjconfig.bccMS-DOS or OS/2, Borland C
makefile.djjconfig.djMS-DOS, DJGPP (Delorie’s port of GNU C)
makefile.mc6jconfig.mc6MS-DOS, Microsoft C (16-bit only)
makefile.watjconfig.watMS-DOS, OS/2, or Windows NT, Watcom C
makefile.vcjconfig.vcWindows, MS Visual C++
makefile.vsjsjconfig.vcWindows, MS Visual C++ 6 Developer Studio
make*.vc6
makefile.vsjsjconfig.vcWindows, Visual Studio 2019 (v16)
make*.v16
makefile.b32jconfig.vcWindows, Borland C++ 32-bit (bcc32)
makefile.vmsjconfig.vmsDigital VMS, with MMS software
makefile.vmsjconfig.vmsDigital VMS, without MMS software

Copy the proper jconfig file to jconfig.h and the makefile to Makefile (or whatever your system uses as the standard makefile name). For more info see the appropriate system-specific hints section near the end of this file.

Configuring the software by hand
---------------------------------

First, generate a jconfig.h file. If you are moderately familiar with C, the comments in jconfig.txt should be enough information to do this; just copy jconfig.txt to jconfig.h and edit it appropriately. Otherwise, you may prefer to use the ckconfig.c program. You will need to compile and execute ckconfig.c by hand --- we hope you know at least enough to do that. ckconfig.c may not compile the first try (in fact, the whole idea is for it to fail if anything is going to). If you get compile errors, fix them by editing ckconfig.c according to the directions given in ckconfig.c. Once you get it to run, it will write a suitable jconfig.h file, and will also print out some advice about which makefile to use.

You may also want to look at the canned jconfig files, if there is one for a system similar to yours.

Second, select a makefile and copy it to Makefile (or whatever your system uses as the standard makefile name). The most generic makefiles we provide are
makefile.ansifile your C compiler supports function prototypes
makefile.unix:if not.
(You have function prototypes if ckconfig.c put "#define HAVE_PROTOTYPES" in jconfig.h.) You may want to start from one of the other makefiles if there is one for a system similar to yours.
Look over the selected Makefile and adjust options as needed. In particular you may want to change the CC and CFLAGS definitions. For instance, if you are using GCC, set CC=gcc. If you had to use any compiler switches to get ckconfig.c to work, make sure the same switches are in CFLAGS.

If you are on a system that doesn't use makefiles, you'll need to set up project files (or whatever you do use) to compile all the source files and link them into executable files cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom. See the file lists in any of the makefiles to find out which files go into each program. Note that the provided makefiles all make a "library" file libjpeg first, but you don't have to do that if you don't want to; the file lists identify which source files are actually needed for compression, decompression, or both. As a last resort, you can make a batch script that just compiles everything and links it all together; makefile.vms is an example of this (it's for VMS systems that have no make-like utility).

Here are comments about some specific configuration decisions you'll need to make:

Command line style
--------------------

These programs can use a Unix-like command line style which supports redirection and piping, like this:

cjpeg inputfile >outputfile

The simpler "two file" command line style is just

cjpeg inputfile outputfile

You may prefer the two-file style, particularly if you don't have pipes.

You MUST use two-file style on any system that doesn't cope well with binary data fed through stdin/stdout; this is true for some MS-DOS compilers, for example. If you're not on a Unix system, it's safest to assume you need two-file style. (But if your compiler provides either the Posix-standard fdopen() library routine or a Microsoft-compatible setmode() routine, you can safely use the Unix command line style, by defining USE_FDOOPEN or USE_SETMODE respectively.)

To use the two-file style, make jconfig.h say "#define TWO_FILE_COMMANDLINE".

Selecting a memory manager
---------------------------

The IJG code is capable of working on images that are too big to fit in main memory; data is swapped out to temporary files as necessary. However, the code to do this is rather system-dependent. We provide five different memory managers:
* jmemansi.c This version uses the ANSI-standard library routine tmpfile(), which not all non-ANSI systems have. On some systems tmpfile() may put the temporary file in a non-optimal location; if you don't like what it does, use jmemname.c.

* jmemname.c This version creates named temporary files. For anything except a Unix machine, you'll need to configure the select_file_name() routine appropriately; see the comments near the head of jmemname.c. If you use this version, define NEED_SIGNAL_CATCHER in jconfig.h to make sure the temp files are removed if the program is aborted.

* jmemnobs.c (That stands for No Backing Store :-). This will compile on almost any system, but it assumes you have enough main memory or virtual memory to hold the biggest images you work with.

* jmemdos.c This should be used with most 16-bit MS-DOS compilers. See the system-specific notes about MS-DOS for more info. IMPORTANT: if you use this, define USE_MSDOS_MEMMGR in jconfig.h, and include the assembly file jmemdosa.asm in the programs. The supplied makefiles and jconfig files for 16-bit MS-DOS compilers already do both.

* jmemmac.c Custom version for Apple Macintosh; see the system-specific notes for Macintosh for more info.

To use a particular memory manager, change the SYSDEPMEM variable in your makefile to equal the corresponding object file name (for example, jmemansi.o or jmemansi.obj for jmemansi.c).

If you have plenty of (real or virtual) main memory, just use jmemnobs.c. "Plenty" means about ten bytes for every pixel in the largest images you plan to process, so a lot of systems don't meet this criterion. If yours doesn't, try jmemansi.c first. If that doesn't compile, you'll have to use jmemname.c; be sure to adjust select_file_name() for local conditions. You may also need to change unlink() to remove() in close_backing_store().

Except with jmemnobs.c or jmemmac.c, you need to adjust the DEFAULT_MAX_MEM setting to a reasonable value for your system (either by adding a #define for DEFAULT_MAX_MEM to jconfig.h, or by adding a -D switch to the Makefile). This value limits the amount of data space the program will attempt to allocate. Code and static data space isn't counted, so the actual memory needs for cjpeg or djpeg are typically 100 to 150Kb more than the max-memory setting. Larger max-memory settings reduce the amount of I/O needed to process a large image, but too large a value can result in "insufficient memory" failures. On most Unix machines (and other systems with virtual memory), just set DEFAULT_MAX_MEM to several million and forget it. At the
other end of the spectrum, for MS-DOS machines you probably can't go much
above 300K to 400K. (On MS-DOS the value refers to conventional memory only.
Extended/expanded memory is handled separately by jmemdos.c.)

BUILDING THE SOFTWARE
=================================

Now you should be able to compile the software. Just say "make" (or
whatever's necessary to start the compilation). Have a cup of coffee.

Here are some things that could go wrong:

If your compiler complains about undefined structures, you should be able to
shut it up by putting "#define INCOMPLETE_TYPES_BROKEN" in jconfig.h.

If you have trouble with missing system include files or inclusion of the
wrong ones, read jinclude.h. This shouldn't happen if you used configure
or ckconfig.c to set up jconfig.h.

There are a fair number of routines that do not use all of their parameters;
some compilers will issue warnings about this, which you can ignore. There
are also a few configuration checks that may give "unreachable code" warnings.
Any other warning deserves investigation.

If you don't have a getenv() library routine, define NO_GETENV.

Also see the system-specific hints, below.

TESTING THE SOFTWARE
=================================

As a quick test of functionality we've included a small sample image in
several forms:
testorig.jpg Starting point for the djpeg tests.
testimg.ppm The output of djpeg testorig.jpg
testimg.bmp The output of djpeg -bmp -colors 256 testorig.jpg
testimg.jpg The output of cjpeg testimg.ppm
testprog.pgm Progressive-mode equivalent of testorig.jpg.
testimgp.jpg The output of cjpeg -progressive -optimize testimg.ppm
(The first- and second-generation .jpg files aren't identical since the
default compression parameters are lossy.) If you can generate duplicates
of the testimg* files then you probably have working programs.

With most of the makefiles, "make test" will perform the necessary
comparisons.
If you're using a makefile that doesn't provide the test option, run djpeg and cjpeg by hand and compare the output files to testing* with whatever binary file comparison tool you have. The files should be bit-for-bit identical.

If the programs complain "MAX_ALLOC_CHUNK is wrong, please fix", then you need to reduce MAX_ALLOC_CHUNK to a value that fits in type size_t. Try adding "#define MAX_ALLOC_CHUNK 65520L" to jconfig.h. A less likely configuration error is "ALIGN_TYPE is wrong, please fix": defining ALIGN_TYPE as long should take care of that one.

If the cjpeg test run fails with "Missing Huffman code table entry", it's a good bet that you needed to define RIGHT_SHIFT_IS_UNSIGNED. Go back to the configuration step and run ckconfig.c. (This is a good plan for any other test failure, too.)

If you are using Unix (one-file) command line style on a non-Unix system, it's a good idea to check that binary I/O through stdin/stdout actually works. You should get the same results from "djpeg <testorig.jpg >out.ppm" as from "djpeg -outfile out.ppm testorig.jpg". Note that the makefiles all use the latter style and therefore do not exercise stdin/stdout! If this check fails, try recompiling with USE_SETMODE or USE_FDOPEN defined. If it still doesn't work, better use two-file style.

If you chose a memory manager other than jmemnobs.c, you should test that temporary-file usage works. Try "djpeg -bmp -colors 256 -max 0 testorig.jpg" and make sure its output matches testing.bmp. If you have any really large images handy, try compressing them with -optimize and/or decompressing with -colors 256 to make sure your DEFAULT_MAX_MEM setting is not too large.

NOTE: this is far from an exhaustive test of the JPEG software; some modules, such as 1-pass color quantization, are not exercised at all. It's just a quick test to give you some confidence that you haven't missed something major.

INSTALLING THE SOFTWARE
========================

Once you're done with the above steps, you can install the software by copying the executable files (cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom) to wherever you normally install programs. On Unix systems, you'll also want to put the man pages (cjpeg.1, djpeg.1, jpegtran.1, rdjpgcom.1, wrjpgcom.1) in the man-page directory. The pre-fab makefiles don't support this step since there's such a wide variety of installation procedures on different systems.

If you generated a Makefile with the "configure" script, you can just say
make install
to install the programs and their man pages into the standard places.
(You'll probably need to be root to do this.) We recommend first saying
make -n install
to see where configure thought the files should go. You may need to edit
the Makefile, particularly if your system's conventions for man page
filenames don't match what configure expects.

If you want to install the IJG library itself, for use in compiling other
programs besides ours, then you need to put the four include files
jpeglib.h jerror.h jconfig.h jmorecfg.h
into your include-file directory, and put the library file libjpeg.a
(extension may vary depending on system) wherever library files go.
If you generated a Makefile with "configure", it will do what it thinks
is the right thing if you say
make install-lib

OPTIONAL STUFF
==============

Progress monitor:

If you like, you can #define PROGRESS_REPORT (in jconfig.h) to enable display
of percent-done progress reports. The routine provided in cdjpeg.c merely
prints percentages to stderr, but you can customize it to do something
fancier.

Utah RLE file format support:

We distribute the software with support for RLE image files (Utah Raster
Toolkit format) disabled, because the RLE support won't compile without the
Utah library. If you have URT version 3.1 or later, you can enable RLE
support as follows:
1. #define RLE_SUPPORTED in jconfig.h.
2. Add a -I option to CFLAGS in the Makefile for the directory
   containing the URT .h files (typically the "include"
   subdirectory of the URT distribution).
3. Add -L... -lrle to LDLIBS in the Makefile, where ... specifies
   the directory containing the URT "librle.a" file (typically the
   "lib" subdirectory of the URT distribution).

Support for 9-bit to 12-bit deep pixel data:

The IJG code currently allows 8, 9, 10, 11, or 12 bits sample data precision.
(For color, this means 8 to 12 bits per channel, of course.) If you need to
work with deeper than 8-bit data, you can compile the IJG code for 9-bit to
12-bit operation.
To do so:
1. In jmorecfg.h, define BITS_IN_JSAMPLE as 9, 10, 11, or 12 rather than 8.
2. In jconfig.h, undefine BMP_SUPPORTED, RLE_SUPPORTED, and TARGA_SUPPORTED, because the code for those formats doesn't handle deeper than 8-bit data and won't even compile. (The PPM code does work, as explained below. The GIF code works too; it scales 8-bit GIF data to and from 12-bit depth automatically.)
3. Compile. Don't expect "make test" to pass, since the supplied test files are for 8-bit data.

Currently, 9-bit to 12-bit support does not work on 16-bit-int machines.

Run-time selection and conversion of data precision are currently not supported and may be added later.
Exception: The transcoding part (jpegtran) supports all settings in a single instance, since it operates on the level of DCT coefficients and not sample values.

The PPM reader (rdppm.c) can read deeper than 8-bit data from either text-format or binary-format PPM and PGM files. Binary-format PPM/PGM files which have a maxval greater than 255 are assumed to use 2 bytes per sample, MSB first (big-endian order). As of early 1995, 2-byte binary format is not officially supported by the PBMPLUS library, but it is expected that a future release of PBMPLUS will support it. Note that the PPM reader will read files of any maxval regardless of the BITS_IN_JSAMPLE setting; incoming data is automatically rescaled to maxval=MAXJSAMPLE as appropriate for the cjpeg bit depth.

The PPM writer (wrppm.c) will normally write 2-byte binary PPM or PGM format, maxval=MAXJSAMPLE, when compiled with BITS_IN_JSAMPLE>8. Since this format is not yet widely supported, you can disable it by compiling wrppm.c with PPM_NORAWWORD defined; then the data is scaled down to 8 bits to make a standard 1-byte/sample PPM or PGM file. (Yes, this means still another copy of djpeg to keep around. But hopefully you won't need it for very long. Poskanzer's supposed to get that new PBMPLUS release out Real Soon Now.)

Of course, if you are working with 9-bit to 12-bit data, you probably have it stored in some other, nonstandard format. In that case you'll probably want to write your own I/O modules to read and write your format.

Note:
The standard Huffman tables are only valid for 8-bit data precision. If you selected more than 8-bit data precision, cjpeg uses arithmetic coding by default. The Huffman encoder normally uses entropy optimization to compute usable tables for higher precision. Otherwise, you'll have to supply different default Huffman tables.

Removing code:
If you need to make a smaller version of the JPEG software, some optional functions can be removed at compile time. See the xxx_SUPPORTED #defines in jconfig.h and jmorecfg.h. If at all possible, we recommend that you leave in decoder support for all valid JPEG files, to ensure that you can read anyone’s output. Taking out support for image file formats that you don’t use is the most painless way to make the programs smaller. Another possibility is to remove some of the DCT methods: in particular, the "IFAST” method may not be enough faster than the others to be worth keeping on your machine. (If you do remove ISLOW or IFAST, be sure to redefine JDCT_DEFAULT or JDCT_FASTEST to a supported method, by adding a #define in jconfig.h.)

OPTIMIZATION
============

Unless you own a Cray, you’ll probably be interested in making the JPEG software go as fast as possible. This section covers some machine-dependent optimizations you may want to try. We suggest that before trying any of this, you first get the basic installation to pass the self-test step. Repeat the self-test after any optimization to make sure that you haven’t broken anything.

The integer DCT routines perform a lot of multiplications. These multiplications must yield 32-bit results, but none of their input values are more than 16 bits wide. On many machines, notably the 680x0 and 80x86 CPUs, a 16x16=>32 bit multiply instruction is faster than a full 32x32=>32 bit multiply. Unfortunately there is no portable way to specify such a multiplication in C, but some compilers can generate one when you use the right combination of casts. See the MULTIPLYxxx macro definitions in jdct.h. If your compiler makes “int” be 32 bits and ”short” be 16 bits, defining SHORTxSHORT_32 is fairly likely to work. When experimenting with alternate definitions, be sure to test not only whether the code still works (use the self-test), but also whether it is actually faster --- on some compilers, alternate definitions may compute the right answer, yet be slower than the default. Timing cjpeg on a large PGM (grayscale) input file is the best way to check this, as the DCT will be the largest fraction of the runtime in that mode. (Note: some of the distributed compiler-specific jconfig files already contain #define switches to select appropriate MULTIPLYxxx definitions.)

If your machine has sufficiently fast floating point hardware, you may find that the float DCT method is faster than the integer DCT methods, even after tweaking the integer multiply macros. In that case you may want to make the float DCT be the default method. (The only objection to this is that float DCT results may vary slightly across machines.) To do that, add "#define JDCT_DEFAULT JDCT_FLOAT” to jconfig.h. Even if you don’t change the default, you should redefine JDCT_FASTEST, which is the method selected
by djpeg's -fast switch. Don't forget to update the documentation files
(usage.txt and/or cjpeg.1, djpeg.1) to agree with what you've done.

If access to "short" arrays is slow on your machine, it may be a win to
define type JCOEF as int rather than short. This will cost a good deal of
memory though, particularly in some multi-pass modes, so don't do it unless
you have memory to burn and short is REALLY slow.

If your compiler can compile function calls in-line, make sure the INLINE
macro in jmorecfg.h is defined as the keyword that marks a function
inline-able. Some compilers have a switch that tells the compiler to inline
any function it thinks is profitable (e.g., -finline-functions for gcc).
Enabling such a switch is likely to make the compiled code bigger but faster.

In general, it's worth trying the maximum optimization level of your compiler,
and experimenting with any optional optimizations such as loop unrolling.
(Unfortunately, far too many compilers have optimizer bugs ... be prepared to
back off if the code fails self-test.) If you do any experimentation along
these lines, please report the optimal settings to jpeg-info@jpegclub.org so
we can mention them in future releases. Be sure to specify your machine and
compiler version.

HINTS FOR SPECIFIC SYSTEMS
==========================

We welcome reports on changes needed for systems not mentioned here. Submit
'em to jpeg-info@jpegclub.org. Also, if configure or ckconfig.c is wrong
about how to configure the JPEG software for your system, please let us know.

Acorn RISC OS:

(Thanks to Simon Middleton for these hints on compiling with Desktop C.)
After renaming the files according to Acorn conventions, take a copy of
makefile.ansi, change all occurrences of 'libjpeg.a' to 'libjpeg.o' and
change these definitions as indicated:

CFLAGS= -throwback -IC: -Wn
LDLIBS=C:o.Stubs
SYSDEPMEM=jmemansi.o
LN=Link
AR=LibFile -c -o

Also add a new line 'c.o:; $(cc) $< $(cflags) -c -o @'. Remove the
lines '$(RM) libjpeg.o' and '$(AR2) libjpeg.o' and the 'jconfig.h'
dependency section.
Copy `jconfig.txt` to `jconfig.h`. Edit `jconfig.h` to define `TWO_FILE_COMMANDLINE` and `CHAR_IS_UNSIGNED`.

Run the makefile using `!AMU` not `!Make`. If you want to use the 'clean' and 'test' makefile entries then you will have to fiddle with the syntax a bit and rename the test files.

Amiga:

SAS C 6.50 reportedly is too buggy to compile the IJG code properly. A patch to update to 6.51 is available from SAS or AmiNet FTP sites.

The supplied config files are set up to use `jmemname.c` as the memory manager, with temporary files being created on the device named by "JPEGTMP:'.

Atari ST/STE/TT:

Copy the project files `makcjpeg.st`, `makdjpeg.st`, `maktjpeg.st`, and `makljpeg.st` to `cjpeg.prj`, `djepg.prj`, `jegtran.prj`, and `libjpeg.prj` respectively. The project files should work as-is with Pure C. For Turbo C, change library filenames "pc..." to "tc..." in each project file. Note that `libjpeg.prj` selects `jmemansi.c` as the recommended memory manager. You'll probably want to adjust the `DEFAULT_MAX_MEM` setting --- you want it to be a couple hundred K less than your normal free memory. Put "#define DEFAULT_MAX_MEM nnnn" into `jconfig.h` to do this.

To use the 68881/68882 coprocessor for the floating point DCT, add the compiler option "-8" to the project files and replace `pcfltlib.lib` with `pc881lib.lib` in `cjpeg.prj` and `djepg.prj`. Or if you don't have a coprocessor, you may prefer to remove the float DCT code by undefining `DCT_FLOAT_SUPPORTED` in `jmorecfg.h` (since without a coprocessor, the float code will be too slow to be useful). In that case, you can delete `pcfltlib.lib` from the project files.

Note that you must make `libjpeg.lib` before making `cjpeg.ttp`, `djepg.ttp`, or `jegtran.ttp`. You'll have to perform the self-test by hand.

We haven't bothered to include project files for `rdjpgcom` and `wrjpgcom`. Those source files should just be compiled by themselves; they don't depend on the JPEG library. You can use the default.prj project file of the Pure C distribution to make the programs.

There is a bug in some older versions of the Turbo C library which causes the space used by temporary files created with "tmpfile()" not to be freed after an abnormal program exit. If you check your disk afterwards, you will find
cluster chains that are allocated but not used by a file. This should not happen in cjpeg/djpeg/jpegtran, since we enable a signal catcher to explicitly close temp files before exiting. But if you use the JPEG library with your own code, be sure to supply a signal catcher, or else use a different system-dependent memory manager.

Cray:

Should you be so fortunate as to be running JPEG on a Cray YMP, there is a compiler bug in old versions of Cray's Standard C (prior to 3.1). If you still have an old compiler, you'll need to insert a line reading

```
#pragma novector
```

just before the loop

```
for (i = 1; i <= (int) htbl->bits[l]; i++)
    huffsize[p++] = (char) l;
```

in fix_huff_tbl (in V5beta1, line 204 of jchuff.c and line 176 of jdhuff.c).

This bug may or may not still occur with the current IJG code, but it's probably a dead issue anyway...]

HP-UX:

If you have HP-UX 7.05 or later with the "software development" C compiler, you should run the compiler in ANSI mode. If using the configure script, say

```
./configure CC='cc -Aa'
```

(or -Ae if you prefer). If configuring by hand, use makefileansi and add "-Aa" to the CFLAGS line in the makefile.

If you have a pre-7.05 system, or if you are using the non-ANSI C compiler delivered with a minimum HP-UX system, then you must use makefile.unix (and do NOT add -Aa); or just run configure without the CC option.

On HP 9000 series 800 machines, the HP C compiler is buggy in revisions prior to A.08.07. If you get complaints about "not a typedef name", you'll have to use makefile.unix, or run configure without the CC option.

Macintosh, generic comments:

The supplied user-interface files (cjpeg.c, djpeg.c, etc) are set up to provide a Unix-style command line interface. You can use this interface on the Mac by means of the ccommand() library routine provided by Metrowerks CodeWarrior or Think C. This is only appropriate for testing the library, however; to make a user-friendly equivalent of cjpeg/djpeg you'd really want to develop a Mac-style user interface. There isn't a complete example available at the moment, but there are some helpful starting points:

1. Sam Bushell's free "To JPEG" applet provides drag-and-drop conversion to
JPEG under System 7 and later. This only illustrates how to use the compression half of the library, but it does a very nice job of that part. The CodeWarrior source code is available from http://www.pobox.com/~jsam.

2. Jim Brunner prepared a Mac-style user interface for both compression and decompression. Unfortunately, it hasn't been updated since IJG v4, and the library's API has changed considerably since then. Still it may be of some help, particularly as a guide to compiling the IJG code under Think C. Jim's code is available from the Info-Mac archives, at sumex-aim.stanford.edu or mirrors thereof; see file /info-mac/dev/src/jpeg-convert-c.hqx.

jmemmac.c is the recommended memory manager back end for Macintosh. It uses NewPtr/DisposePtr instead of malloc/free, and has a Mac-specific implementation of jpeg_mem_available(). It also creates temporary files that follow Mac conventions. (That part of the code relies on System-7-or-later OS functions. See the comments in jmemmac.c if you need to run it on System 6.)

NOTE that USE_MAC_MEMMGR must be defined in jconfig.h to use jmemmac.c.

You can also use jmemnobs.c, if you don't care about handling images larger than available memory. If you use any memory manager back end other than jmemmac.c, we recommend replacing "malloc" and "free" by "NewPtr" and "DisposePtr", because Mac C libraries often have peculiar implementations of malloc/free. (For instance, free() may not return the freed space to the Mac Memory Manager. This is undesirable for the IJG code because jmemmgr.c already clumps space requests.)

Macintosh, Metrowerks CodeWarrior:

The Unix-command-line-style interface can be used by defining USE_CCOMMAND. You'll also need to define TWO_FILE_COMMANDLINE to avoid stdin/stdout. This means that when using the cjpeg/djpeg programs, you'll have to type the input and output file names in the "Arguments" text-edit box, rather than using the file radio buttons. (Perhaps USE_FDOPEN or USE_SETMODE would eliminate the problem, but I haven't heard from anyone who's tried it.)

On 680x0 Macs, Metrowerks defines type "double" as a 10-byte IEEE extended float. jmemmgr.c won't like this: it wants sizeof(ALIGN_TYPE) to be a power of 2. Add "#define ALIGN_TYPE long" to jconfig.h to eliminate the complaint.

The supplied configuration file jconfig.mac can be used for your jconfig.h; it includes all the recommended symbol definitions. If you have AppleScript installed, you can run the supplied script makeproj.mac to create CodeWarrior project files for the library and the testbed applications, then build the library and applications. (Thanks to Dan Sears and Don Agro for this nifty hack, which saves us from trying to maintain CodeWarrior project files as part of the IJG distribution...)
Macintosh, Think C:

The documentation in Jim Brunner's "JPEG Convert" source code (see above) includes detailed build instructions for Think C; it's probably somewhat out of date for the current release, but may be helpful.

If you want to build the minimal command line version, proceed as follows. You'll have to prepare project files for the programs; we don't include any in the distribution since they are not text files. Use the file lists in any of the supplied makefiles as a guide. Also add the ANSI and Unix C libraries in a separate segment. You may need to divide the JPEG files into more than one segment; we recommend dividing compression and decompression modules. Define USE_CCOMMAND in jconfig.h so that the ccommand() routine is called. You must also define TWO_FILE_COMMANDLINE because stdin/stdout don't handle binary data correctly.

On 680x0 Macs, Think C defines type "double" as a 12-byte IEEE extended float. jmemmgr.c won't like this: it wants sizeof(ALIGN_TYPE) to be a power of 2. Add "#define ALIGN_TYPE long" to jconfig.h to eliminate the complaint.

jconfig.mac should work as a jconfig.h configuration file for Think C, but the makeproj.mac AppleScript script is specific to CodeWarrior. Sorry.

MIPS R3000:

MIPS's cc version 1.31 has a rather nasty optimization bug. Don't use -O if you have that compiler version. (Use "cc -V" to check the version.) Note that the R3000 chip is found in workstations from DEC and others.

MS-DOS, generic comments for 16-bit compilers:

The IJG code is designed to work well in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"; code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model, and you should avoid "huge" model if at all possible. Be sure that NEED_FAR_POINTERS is defined in jconfig.h if you use a small-data memory model; be sure it is NOT defined if you use a large-data model. (The supplied makefiles and jconfig files for Borland and Microsoft C compile in medium model and define NEED_FAR_POINTERS.)

The DOS-specific memory manager, jmemdos.c, should be used if possible. It needs some assembly-code routines which are in jmemdosa.asm; make sure your makefile assembles that file and includes it in the library. If you
don't have a suitable assembler, you can get pre-assembled object files for
jmemdosa by FTP from ftp.uu.net:/graphics/jpeg/jdosaobj.zip. (DOS-oriented
distributions of the IJG source code often include these object files.)

When using jmemdos.c, jconfig.h must define USE_MSDOS_MEMMGR and must set
MAX_ALLOCS_CHUNK to less than 64K (65520L is a typical value). If your
C library's far-heap malloc() can't allocate blocks that large, reduce
MAX_ALLOCS_CHUNK to whatever it can handle.

If you can't use jmemdos.c for some reason --- for example, because you
don't have an assembler to assemble jmemdosa.asm --- you'll have to fall
back to jmemansi.c or jmemname.c. You'll probably still need to set
MAX_ALLOCS_CHUNK in jconfig.h, because most DOS C libraries won't malloc()
mores than 64K at a time. IMPORTANT: if you use jmemansi.c or jmemname.c,
you will have to compile in a large-data memory model in order to get the
right stdio library. Too bad.

wrjpgcom needs to be compiled in large model, because it mallocs a 64KB
work area to hold the comment text. If your C library's malloc can't
handle that, reduce MAX_COM_LENGTH as necessary in wrjpgcom.c.

Most MS-DOS compilers treat stdin/stdout as text files, so you must use
two-file command line style. But if your compiler has either fdopen() or
setmode(), you can use one-file style if you like. To do this, define
USE_SETMODE or USE_FDOPEN so that stdin/stdout will be set to binary mode.
(USE_SETMODE seems to work with more DOS compilers than USE_FDOPEN.) You
should test that I/O through stdin/stdout produces the same results as I/O
to explicitly named files... the "make test" procedures in the supplied
makefiles do NOT use stdin/stdout.

MS-DOS, generic comments for 32-bit compilers:

None of the above comments about memory models apply if you are using a
32-bit flat-memory-space environment, such as DJGPP or Watcom C. (And you
should use one if you have it, as performance will be much better than
8086-compatible code!) For flat-memory-space compilers, do NOT define
NEED_FAR_POINTERS, and do NOT use jmemdos.c. Use jmemnobs.c if the
environment supplies adequate virtual memory, otherwise use jmemansi.c or
jmemname.c.

You'll still need to be careful about binary I/O through stdin/stdout.
See the last paragraph of the previous section.

MS-DOS, Borland C:

Be sure to convert all the source files to DOS text format (CR/LF newlines).
Although Borland C will often work OK with unmodified Unix (LF newlines) source files, sometimes it will give bogus compile errors.
"Illegal character '#'" is the most common such error. (This is true with Borland C 3.1, but perhaps is fixed in newer releases.)

If you want one-file command line style, just undefine TWO_FILE_COMMANDLINE. jconfig.bcc already includes #define USE_SETMODE to make this work.
(fdopen does not work correctly.)

MS-DOS, Microsoft C:

makefile.mc6 works with Microsoft C, DOS Visual C++, etc. It should only be used if you want to build a 16-bit (small or medium memory model) program.

If you want one-file command line style, just undefine TWO_FILE_COMMANDLINE. jconfig.mc6 already includes #define USE_SETMODE to make this work.
(fdopen does not work correctly.)

Note that this makefile assumes that the working copy of itself is called "makefile". If you want to call it something else, say "makefile.mak", be sure to adjust the dependency line that reads "$(RFILE) : makefile".
Otherwise the make will fail because it doesn't know how to create "makefile". Worse, some releases of Microsoft's make utilities give an incorrect error message in this situation.

Old versions of MS C fail with an "out of macro expansion space" error because they can't cope with the macro TRACEMS8 (defined in jerror.h).
If this happens to you, the easiest solution is to change TRACEMS8 to expand to nothing. You'll lose the ability to dump out JPEG coefficient tables with djpeg -debug -debug, but at least you can compile.

Original MS C 6.0 is very buggy; it compiles incorrect code unless you turn off optimization entirely (remove -O from CFLAGS). 6.00A is better, but it still generates bad code if you enable loop optimizations (-Ol or -Ox).

MS C 8.0 crashes when compiling jquant1.c with optimization switch /Oo ... which is on by default. To work around this bug, compile that one file with /Oo-.

Microsoft Windows (all versions), generic comments:

Some Windows system include files define typedef boolean as "unsigned char". The IJG code also defines typedef boolean, but we make it an "enum" by default. This doesn't affect the IJG programs because we don't import those Windows include files. But if you use the JPEG library in your own program, and some of your program's files import one definition of boolean while some import the
other, you can get all sorts of mysterious problems. A good preventive step is to make the IJG library use "unsigned char" for boolean. To do that, add something like this to your jconfig.h file:

/* Define "boolean" as unsigned char, not enum, per Windows custom */
#endif
	/* don't conflict if rpcndr.h already read */
typedef unsigned char boolean;
#endif
#endif
#define FALSE 
#define TRUE
#define HAVE_BOOLEAN/* prevent jmorecfg.h from redefining it */
(This is already in jconfig.vc, by the way.)

windef.h contains the declarations
#define far
#define FAR far
Since jmorecfg.h tries to define FAR as empty, you may get a compiler warning if you include both jpeglib.h and windef.h (which windows.h includes). To suppress the warning, you can put "#ifndef FAR"/#endif around the line "#define FAR" in jmorecfg.h.
(Something like this is already in jmorecfg.h, by the way.)

When using the library in a Windows application, you will almost certainly want to modify or replace the error handler module jerror.c, since our default error handler does a couple of inappropriate things:
1. it tries to write error and warning messages on stderr;
2. in event of a fatal error, it exits by calling exit().

A simple stopgap solution for problem 1 is to replace the line
fprintf(stderr, "%s
", buffer);
(in output_message in jerror.c) with
MessageBox(GetActiveWindow(),buffer,"JPEG Error",MB_OK|MB_ICONERROR);
It's highly recommended that you at least do that much, since otherwise error messages will disappear into nowhere. (Beginning with IJG v6b, this code is already present in jerror.c; just define USE_WINDOWS_MESSAGEBOX in jconfig.h to enable it.)

The proper solution for problem 2 is to return control to your calling application after a library error. This can be done with the setjmp/longjmp technique discussed in libjpeg.txt and illustrated in example.c. (NOTE: some older Windows C compilers provide versions of setjmp/longjmp that don't actually work under Windows. You may need to use the Windows system functions Catch and Throw instead.)

The recommended memory manager under Windows is jmemnobs.c; in other words,
let Windows do any virtual memory management needed. You should NOT use jmemdos.c nor jmemdosa.asm under Windows.

For Windows 3.1, we recommend compiling in medium or large memory model; for newer Windows versions, use a 32-bit flat memory model. (See the MS-DOS sections above for more info about memory models.) In the 16-bit memory models only, you'll need to put
#define MAX_ALLOC_CHUNK 65520L /* Maximum request to malloc() */
into jconfig.h to limit allocation chunks to 64Kb. (Without that, you'd have to use huge memory model, which slows things down unnecessarily.) jmemnobs.c works without modification in large or flat memory models, but to use medium model, you need to modify its jpeg_get_large and jpeg_free_large routines to allocate far memory. In any case, you might like to replace its calls to malloc and free with direct calls on Windows memory allocation functions.

You may also want to modify jdatasrc.c and jdatadst.c to use Windows file operations rather than fread/fwrite. This is only necessary if your C compiler doesn't provide a competent implementation of C stdio functions.

You might want to tweak the RGB_xxx macros in jmorecfg.h so that the library will accept or deliver color pixels in BGR sample order, not RGB; BGR order is usually more convenient under Windows. Note that this change will break the sample applications cjpeg/djpeg, but the library itself works fine.

Many people want to convert the IJG library into a DLL. This is reasonably straightforward, but watch out for the following:

1. Don't try to compile as a DLL in small or medium memory model; use large model, or even better, 32-bit flat model. Many places in the IJG code assume the address of a local variable is an ordinary (not FAR) pointer; that isn't true in a medium-model DLL.

2. Microsoft C cannot pass file pointers between applications and DLLs. (See Microsoft Knowledge Base, PSS ID Number Q50336.) So jdatasrc.c and jdatadst.c don't work if you open a file in your application and then pass the pointer to the DLL. One workaround is to make jdatasrc.c/jdatadst.c part of your main application rather than part of the DLL.

3. You'll probably need to modify the macros GLOBAL() and EXTERN() to attach suitable linkage keywords to the exported routine names. Similarly, you'll want to modify METHODDEF() and JMETHOD() to ensure function pointers are declared in a way that lets application routines be called back through the function pointers. These macros are in jmorecfg.h. Typical definitions for a 16-bit DLL are:
#define GLOBAL(type) type _far _pascal _loadds _export
#define EXTERN(type) extern type _far _pascal _loadds
#define METHODDEF(type) static _far _pascal type _far _pascal
#define JMETHO(type,methodname,arglist) \
    type (_far _pascal *methodname) arglist

For a 32-bit DLL you may want something like
#define GLOBAL(type) __declspec(dllexport) type
#define EXTERN(type) extern __declspec(dllexport) type

Although not all the GLOBAL routines are actually intended to be called by
the application, the performance cost of making them all DLL entry points is
negligible.

The unmodified IJG library presents a very C-specific application interface,
so the resulting DLL is only usable from C or C++ applications. There has
been some talk of writing wrapper code that would present a simpler interface
usable from other languages, such as Visual Basic. This is on our to-do list
but hasn't been very high priority --- any volunteers out there?

Microsoft Windows, Borland C:

The provided jconfig.bcc should work OK in a 32-bit Windows environment,
but you'll need to tweak it in a 16-bit environment (you'd need to define
NEED_FAR_POINTERS and MAX_ALLOC_CHUNK). Beware that makefile.bcc will need
alteration if you want to use it for Windows --- in particular, you should
use jmennobs.c not jmemdos.c under Windows.

Borland C++ 4.5 fails with an internal compiler error when trying to compile
jdmerge.c in 32-bit mode. If enough people complain, perhaps Borland will fix
it. In the meantime, the simplest known workaround is to add a redundant
definition of the variable range_limit in h2v1_merged_upsample(), at the head
of the block that handles odd image width (about line 268 in v6 jdmerge.c):
/* If image width is odd, do the last output column separately */
if (cinfo->output_width & 1) {
    register JSAMPLE * range_limit = cinfo->sample_range_limit; /* ADD THIS */
    cb = GETJSAMPLE(*inptr1);
}
Pretty bizarre, especially since the very similar routine h2v2_merged_upsample
doesn't trigger the bug.
Recent reports suggest that this bug does not occur with "bcc32a" (the
Pentium-optimized version of the compiler).

Another report from a user of Borland C 4.5 was that incorrect code (leading
to a color shift in processed images) was produced if any of the following
optimization switch combinations were used:
-Ot -Og
-Ot -Op
-Ot -Om
So try backing off on optimization if you see such a problem. (Are there
several different releases all numbered "4.5"??)
Microsoft Windows, Microsoft Visual C++:

jconfig.vc should work OK with any Microsoft compiler for a 32-bit memory model. makefile.vc is intended for command-line use. (If you are using the Developer Studio environment, you may prefer the DevStudio project files; see below.)

IJG JPEG 7 adds extern "C" to jpeglib.h. This avoids the need to put extern "C" { ... } around #include "jpeglib.h" in your C++ application. You can also force VC++ to treat the library as C++ code by renaming all the *.c files to *.cpp (and adjusting the makefile to match). In this case you also need to define the symbol DONT_USE_EXTERN_C in the configuration to prevent jpeglib.h from using extern "C".

Microsoft Windows, Microsoft Visual C++ 6 Developer Studio:

We include makefiles that should work as project files in Developer Studio 6.0 or later. There is a library makefile that builds the IJG library as a static Win32 library, and application makefiles that build the sample applications as Win32 console applications. (Even if you only want the library, we recommend building the applications so that you can run the self-test.)

To use:
1. Open the command prompt, change to the source directory and execute the command line
   NMAKE /f makefile.vs setup-vc6
   If you get an error message saying that the "NMAKE" command could not be found, execute the command
   "%ProgramFiles%\Microsoft Visual Studio\VC98\Bin\VCVARS32"
   to set the environment for using Microsoft Visual C++ tools, and repeat the NMAKE call.
   This will move jconfig.vc to jconfig.h and makefiles to project files.
   (Note that the renaming is critical!)
   Alternatively you can use
   NMAKE /f makefile.vs setupcopy-vc6
   This will create renamed copies of the files, which allows to repeat the setup later.
2. Open the workspace file jpeg.dsw, build the library project.
   (If you are using Developer Studio more recent than 6.0, you'll probably get a message saying that the project files are being updated.)
3. Open the workspace file apps.dsw, build the application projects.
4. To perform the self-test, execute the command line
   NMAKE /f makefile.vs test-build
5. Move the application .exe files from the Release folder to an appropriate location on your path.
Microsoft Windows, Visual Studio 2019 (v16):

We include makefiles that should work as project files in Visual Studio 2019 (v16) or later. There is a library makefile that builds the IJG library as a static Win32/x64 library, and application makefiles that build the sample applications as Win32/x64 console applications. (Even if you only want the library, we recommend building the applications so that you can run the self-test.)

To use:
1. Open the Developer Command Prompt for VS 2019, change to the source directory and execute the command line
   NMAKE /f makefile.vs setup-v16
   This will move jconfig.vc to jconfig.h and makefiles to project files.
   (Note that the renaming is critical!)
   Alternatively you can use
   NMAKE /f makefile.vs setupcopy-v16
   This will create renamed copies of the files, which allows to repeat the setup later.
2. Open the solution file jpeg.sln, build the library project.
   a) If you are using Visual Studio more recent than 2019 (v16), you'll probably get a message saying that the project files are being updated.
   b) If necessary, open the project properties and adapt the Windows Target Platform Version in the Configuration Properties, General section; we support the latest version at the time of release.
   c) If you want to build x64 code, change the platform setting from Win32 to x64. You can build Win32 and x64 versions side by side.
3. Open the solution file apps.sln, build the application projects.
4. To perform the self-test, execute the command line
   NMAKE /f makefile.vs test-32
   for the Win32 build, or on a 64-bit system
   NMAKE /f makefile.vs test-64
   for the x64 build.
5. Move the application .exe files from the Release folder to an appropriate location on your path.

OS/2, Borland C++:

Watch out for optimization bugs in older Borland compilers; you may need to back off the optimization switch settings. See the comments in makefile.bcc.
SGI:

On some SGI systems, you may need to set "AR2= ar -ts" in the Makefile. If you are using configure, you can do this by saying
```
./configure RANLIB='ar -ts'
```
This change is not needed on all SGIs. Use it only if the make fails at the stage of linking the completed programs.

On the MIPS R4000 architecture (Indy, etc.), the compiler option "-mips2" reportedly speeds up the float DCT method substantially, enough to make it faster than the default int method (but still slower than the fast int method). If you use -mips2, you may want to alter the default DCT method to be float. To do this, put "#define JDCT_DEFAULT JDCT_FLOAT" in jconfig.h.

VMS:

On an Alpha/VMS system with MMS, be sure to use the "/Marco=Alpha=1" qualifier with MMS when building the JPEG package.

VAX/VMS v5.5-1 may have problems with the test step of the build procedure reporting differences when it compares the original and test images. If the error points to the last block of the files, it is most likely bogus and may be safely ignored. It seems to be because the files are Stream_LF and Backup/Compare has difficulty with the (presumably) null padded files. This problem was not observed on VAX/VMS v6.1 or AXP/VMS v6.1.

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/install.txt
No license file was found, but licenses were detected in source scan.

/*
 * jconfig.txt
 * 
 * Copyright (C) 1991-1994, Thomas G. Lane.
 * Modified 2009-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * 
 * This file documents the configuration options that are required to
 * customize the JPEG software for a particular system.
 * 
 * The actual configuration options for a particular installation are stored
 * in jconfig.h. On many machines, jconfig.h can be generated automatically
 * or copied from one of the "canned" jconfig files that we supply. But if
 * you need to generate a jconfig.h file by hand, this file tells you how.
 * 
 * DO NOT EDIT THIS FILE --- IT WON'T ACCOMPLISH ANYTHING.
* EDIT A COPY NAMED JCONFIG.H.
*/

/*
* These symbols indicate the properties of your machine or compiler.
* #define the symbol if yes, #undef it if no.
*/

/* Does your compiler support function prototypes?
* (If not, you also need to use ansi2knr, see install.txt)
*/
#define HAVE_PROTOTYPES

/* Does your compiler support the declaration "unsigned char" ?
* How about "unsigned short" ?
*/
#define HAVE_UNSIGNED_CHAR
#define HAVE_UNSIGNED_SHORT

/* Define "void" as 'char' if your compiler doesn't know about type void.
* NOTE: be sure to define void such that "void *" represents the most general
* pointer type, e.g., that returned by malloc().
*/
#undef void char

/* Define "const" as empty if your compiler doesn't know the "const" keyword.
*/
#undef const

/* Define this if an ordinary "char" type is unsigned.
* If you're not sure, leaving it undefined will work at some cost in speed.
* If you defined HAVE_UNSIGNED_CHAR then the speed difference is minimal.
*/
#undef CHAR_IS_UNSIGNED

/* Define this if your system has an ANSI-conforming <stddef.h> file.
*/
#define HAVE_STDDEF_H

/* Define this if your system has an ANSI-conforming <stdlib.h> file.
*/
#define HAVE_STDLIB_H

/* Define this if your system does not have an ANSI/SysV <string.h>,
* but does have a BSD-style <strings.h>.
*/
#undef NEED_BSD_STRINGS
/* Define this if your system does not provide typedef size_t in any of the
 * ANSI-standard places (stddef.h, stdlib.h, or stdio.h), but places it in
 * <sys/types.h> instead.
 */
#undef NEED_SYS_TYPES_H

/* For 80x86 machines, you need to define NEED_FAR_POINTERS,
 * unless you are using a large-data memory model or 80386 flat-memory mode.
 * On less brain-damaged CPUs this symbol must not be defined.
 * (Defining this symbol causes large data structures to be referenced through
 * "far" pointers and to be allocated with a special version of malloc.)
 */
#undef NEED_FAR_POINTERS

/* Define this if your linker needs global names to be unique in less
 * than the first 15 characters.
 */
#undef NEED_SHORT_EXTERNAL_NAMES

/* Although a real ANSI C compiler can deal perfectly well with pointers to
 * unspecified structures (see "incomplete types" in the spec), a few pre-ANSI
 * and pseudo-ANSI compilers get confused. To keep one of these bozos happy,
 * define INCOMPLETE_TYPES_BROKEN. This is not recommended unless you
 * actually get "missing structure definition" warnings or errors while
 * compiling the JPEG code.
 */
#undef INCOMPLETE_TYPES_BROKEN

/* Define "boolean" as unsigned char, not enum, on Windows systems.
 */
#ifndef _WIN32
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
#endif
}}}
* To minimize application namespace pollution, the symbols won't be
* defined unless JPEG_INTERNALS has been defined.
*/
#endif /* JPEG_INTERNALS */

/* Define this if your compiler implements ">>" on signed values as a logical
* (unsigned) shift; leave it undefined if ">>" is a signed (arithmetic) shift,
* which is the normal and rational definition.
*/
#undef RIGHT_SHIFT_IS_UNSIGNED

#endif /* JPEG_INTERNALS */

/* The remaining options do not affect the JPEG library proper,
* but only the sample applications cjpeg/djpeg (see cjpeg.c, djpeg.c).
* Other applications can ignore these.
*/
#ifdef JPEG_CJPEG_DJPEG
/* These defines indicate which image (non-JPEG) file formats are allowed. */

#define BMP_SUPPORTED	/* BMP image file format */
#define GIF_SUPPORTED	/* GIF image file format */
#define PPM_SUPPORTED	/* PBMPLUS PPM/PGM image file format */
#undef RLE_SUPPORTED	/* Utah RLE image file format */
#define TARGA_SUPPORTED	/* Targa image file format */

/* Define this if you want to name both input and output files on the command
* line, rather than using stdin and optionally stdout. You MUST do this if
* your system can't cope with binary I/O to stdin/stdout. See comments at
* head of cjpeg.c or djpeg.c.
*/
#undef TWO_FILE_COMMANDLINE

/* Define this if your system needs explicit cleanup of temporary files.
* This is crucial under MS-DOS, where the temporary "files" may be areas
* of extended memory; on most other systems it's not as important.
*/
#undef NEED_SIGNAL_CATCHER

/* By default, we open image files with fopen(...."rb") or fopen(...."wb").
* This is necessary on systems that distinguish text files from binary files,
* and is harmless on most systems that don't. If you have one of the rare
* systems that complains about the "b" spec, define this symbol.
*/
#undef DONT_USE_B_MODE

/* Define this if you want percent-done progress reports from cjpeg/djpeg.
*/
#undef PROGRESS_REPORT

#endif /* JPEG_CJPEG_DJPEG */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jconfig.txt
No license file was found, but licenses were detected in source scan.

/*
 * jdmaster.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains master control logic for the JPEG decompressor.
 * These routines are concerned with selecting the modules to be executed
 * and with determining the number of passes and the work to be done in each
 * pass.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdmaster.c
No license file was found, but licenses were detected in source scan.

/*
 * jdatadst.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains compression data destination routines for the case of
 * emitting JPEG data to memory or to a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different destination manager.
 * IMPORTANT: we assume that fwrite() will correctly transcribe an array of
 * JOCTETs into 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */
Found in path(s):
* /opt/cola/permits/11035500007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdatadst.c
No license file was found, but licenses were detected in source scan.

/*
* jctrans.c
*
* Copyright (C) 1995-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains library routines for transcoding compression,
* that is, writing raw DCT coefficient arrays to an output JPEG file.
* The routines in jcapimin.c will also be needed by a transcoder.
*/

Found in path(s):
* /opt/cola/permits/11035500007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jctrans.c
No license file was found, but licenses were detected in source scan.

/*
* jdmainct.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2002-2016 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the main buffer controller for decompression.
* The main buffer lies between the JPEG decompressor proper and the
* post-processor; it holds downsampled data in the JPEG colorspace.
*
* Note that this code is bypassed in raw-data mode, since the application
* supplies the equivalent of the main buffer in that case.
*/

Found in path(s):
* /opt/cola/permits/11035500007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdmainct.c
No license file was found, but licenses were detected in source scan.

; For conditions of distribution and use, see the accompanying README file.

Found in path(s):
* /opt/cola/permits/11035500007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jmemdosa.asm
No license file was found, but licenses were detected in source scan.

/*
 * jpegint.h
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file provides common declarations for the various JPEG modules.
 * These declarations are considered internal to the JPEG library; most
 * applications using the library shouldn't need to include this file.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jpegint.h

No license file was found, but licenses were detected in source scan.

/*
 * jmemsys.h
 *
 * Copyright (C) 1992-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This include file defines the interface between the system-independent
 * and system-dependent portions of the JPEG memory manager. No other
 * modules need include it. (The system-independent portion is jmemmgr.c;
 * there are several different versions of the system-dependent portion.)
 *
 * This file works as-is for the system-dependent memory managers supplied
 * in the IJG distribution. You may need to modify it if you write a
 * custom memory manager. If system-dependent changes are needed in
 * this file, the best method is to #ifdef them based on a configuration
 * symbol supplied in jconfig.h, as we have done with USE_MSDOS_MEMMGR
 * and USE_MAC_MEMMGR.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jmemsys.h

No license file was found, but licenses were detected in source scan.

/*
 * jcomapi.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modified 2019 by Guido Vollbeding.
 */
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains application interface routines that are used for both
* compression and decompression.
*/

Found in path(s):
  */opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jcomapi.c
No license file was found, but licenses were detected in source scan.

/*
 * wrtarga.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in Targa format.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 *
 * Based on code contributed by Lee Daniel Crocker.
 */

Found in path(s):
  */opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/wrtarga.c
No license file was found, but licenses were detected in source scan.

/*
 * jdapimin.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * Modified 2009-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the decompression half
 * of the JPEG library. These are the "minimum" API routines that may be
 * needed in either the normal full-decompression case or the
 * transcoding-only case.
 *
 * Most of the routines intended to be called directly by an application
 * are in this file or in jdapistd.c. But also see jcomapi.c for routines
 * shared by compression and decompression, and jdtrans.c for the transcoding
* case.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdapimin.c
No license file was found, but licenses were detected in source scan.

/ *
* jcmaster.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains master control logic for the JPEG compressor.
* These routines are concerned with parameter validation, initial setup,
* and inter-pass control (determining the number of passes and the work
* to be done in each pass).
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jcmaster.c
No license file was found, but licenses were detected in source scan.

/ *
* jdcolor.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains output colorspace conversion routines.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdcolor.c
No license file was found, but licenses were detected in source scan.

/ *
* jmorecfg.h
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 1997-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains additional configuration options that customize the
  JPEG software for special applications or support machine-dependent
  optimizations. Most users will not need to touch this file.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jmorecfg.h
No license file was found, but licenses were detected in source scan.

/*************************************************************************
 * jpeglib.h
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file defines the application interface for the JPEG library.
 * Most applications using the library need only include this file,
 * and perhaps jerror.h if they want to know the exact error codes.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jpeglib.h
No license file was found, but licenses were detected in source scan.

/*************************************************************************
 * jutils.c
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains tables and miscellaneous utility routines needed
 * for both compression and decompression.
 * Note we prefix all global names with "j" to minimize conflicts with
 * a surrounding application.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jutils.c
No license file was found, but licenses were detected in source scan.

/*************************************************************************
 * wrrle.c
 * Copyright (C) 1991-1996, Thomas G. Lane.
 */
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to write output images in RLE format.
* The Utah Raster Toolkit library is required (version 3.1 or later).
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*
* Based on code contributed by Mike Lijewski,
* with updates from Robert Hutchinson.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/wrrle.c
No license file was found, but licenses were detected in source scan.

/*
* rdswitch.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to process some of cjpeg's more complicated
* command-line switches. Switches processed here are:
* -qtables fileRead quantization tables from text file
* -scans fileRead scan script from text file
* -quality N[,N,...]Set quality ratings
* -qslots N[,N,...]Set component quantization table selectors
* -sample HxV[,HxV,...]Set component sampling factors
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/rdswitch.c
No license file was found, but licenses were detected in source scan.

/ *
* jfdctflt.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a floating-point implementation of the
* forward DCT (Discrete Cosine Transform).
*
* This implementation should be more accurate than either of the integer
* DCT implementations. However, it may not give the same results on all
* machines because of differences in roundoff behavior. Speed will depend
* on the hardware's floating point capacity.
*
* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
* on each column. Direct algorithms are also available, but they are
* much more complex and seem not to be any faster when reduced to code.
*
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with a fixed-point
* implementation, accuracy is lost due to imprecise representation of the
* scaled quantization values. However, that problem does not arise if
* we use floating point arithmetic.
* /

Found in path(s):
* /opt/cola/permits/11035500007_160577850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jfdctflt.c
No license file was found, but licenses were detected in source scan.

/*
* jdapistd.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2002-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains application interface code for the decompression half
* of the JPEG library. These are the "standard" API routines that are
* used in the normal full-decompression case. They are not used by a
* transcoding-only application. Note that if an application links in
* jpeg_start_decompress, it will end up linking in the entire decompressor.
* We thus must separate this file from jdapimin.c to avoid linking the
* whole decompression library into a transcoder.
I J G JPEG LIBRARY: SYSTEM ARCHITECTURE

Copyright (C) 1991-2013, Thomas G. Lane, Guido Vollbeding.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file provides an overview of the architecture of the IJG JPEG software;
that is, the functions of the various modules in the system and the interfaces
between modules. For more precise details about any data structure or calling
convention, see the include files and comments in the source code.

We assume that the reader is already somewhat familiar with the JPEG standard.
The README file includes references for learning about JPEG. The file
libjpeg.txt describes the library from the viewpoint of an application
programmer using the library; it's best to read that file before this one.
Also, the file coderules.txt describes the coding style conventions we use.

In this document, JPEG-specific terminology follows the JPEG standard:
A "component" means a color channel, e.g., Red or Luminance.
A "sample" is a single component value (i.e., one number in the image data).
A "coefficient" is a frequency coefficient (a DCT transform output number).
A "block" is an array of samples or coefficients.
An "MCU" (minimum coded unit) is an interleaved set of blocks of size
determined by the sampling factors, or a single block in a
noninterleaved scan.
We do not use the terms "pixel" and "sample" interchangeably. When we say
pixel, we mean an element of the full-size image, while a sample is an element
of the downsampled image. Thus the number of samples may vary across
components while the number of pixels does not. (This terminology is not used
rigorously throughout the code, but it is used in places where confusion would
otherwise result.)

*** System features ***

The IJG distribution contains two parts:
* A subroutine library for JPEG compression and decompression.
* cjpeg/djpeg, two sample applications that use the library to transform
  JFIF JPEG files to and from several other image formats.
cjpeg/djpeg are of no great intellectual complexity: they merely add a simple
  command-line user interface and I/O routines for several uncompressed image
formats. This document concentrates on the library itself.

We desire the library to be capable of supporting all JPEG baseline, extended sequential, and progressive DCT processes. The library does not support the hierarchical or lossless processes defined in the standard.

Within these limits, any set of compression parameters allowed by the JPEG spec should be readable for decompression. (We can be more restrictive about what formats we can generate.) Although the system design allows for all parameter values, some uncommon settings are not yet implemented and may never be; nonintegral sampling ratios are the prime example. Furthermore, we treat 8-bit vs. 12-bit data precision as a compile-time switch, not a run-time option, because most machines can store 8-bit pixels much more compactly than 12-bit.

By itself, the library handles only interchange JPEG datastreams — in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, libtiff uses this library to implement JPEG compression within the TIFF file format.)

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. This code can be omitted if not needed.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

*** Portability issues ***

Portability is an essential requirement for the library. The key portability issues that show up at the level of system architecture are:

1. Memory usage. We want the code to be able to run on PC-class machines with limited memory. Images should therefore be processed sequentially (in strips), to avoid holding the whole image in memory at once. Where a full-image buffer is necessary, we should be able to use either virtual memory or temporary files.
2. Near/far pointer distinction. To run efficiently on 80x86 machines, the code should distinguish "small" objects (kept in near data space) from "large" ones (kept in far data space). This is an annoying restriction, but fortunately it does not impact code quality for less brain-damaged machines, and the source code clutter turns out to be minimal with sufficient use of pointer typedefs.

3. Data precision. We assume that "char" is at least 8 bits, "short" and "int" at least 16, "long" at least 32. The code will work fine with larger data sizes, although memory may be used inefficiently in some cases. However, the JPEG compressed datastream must ultimately appear on external storage as a sequence of 8-bit bytes if it is to conform to the standard. This may pose a problem on machines where char is wider than 8 bits. The library represents compressed data as an array of values of typedef JOCTET. If no data type exactly 8 bits wide is available, custom data source and data destination modules must be written to unpack and pack the chosen JOCTET datatype into 8-bit external representation.

*** System overview ***

The compressor and decompressor are each divided into two main sections: the JPEG compressor or decompressor proper, and the preprocessing or postprocessing functions. The interface between these two sections is the image data that the official JPEG spec regards as its input or output: this data is in the colorspace to be used for compression, and it is downsamped to the sampling factors to be used. The preprocessing and postprocessing steps are responsible for converting a normal image representation to or from this form. (Those few applications that want to deal with YCbCr downsampled data can skip the preprocessing or postprocessing step.)

Looking more closely, the compressor library contains the following main elements:

Preprocessing:
* Color space conversion (e.g., RGB to YCbCr).
* Edge expansion and downsampling. Optionally, this step can do simple smoothing --- this is often helpful for low-quality source data.

JPEG proper:
* MCU assembly, DCT, quantization.
* Entropy coding (sequential or progressive, Huffman or arithmetic).

In addition to these modules we need overall control, marker generation, and support code (memory management & error handling). There is also a module responsible for physically writing the output data --- typically this is just an interface to fwrite(), but some applications may need to do something else with the data.
The decompressor library contains the following main elements:

JPEG proper:
* Entropy decoding (sequential or progressive, Huffman or arithmetic).
* Dequantization, inverse DCT, MCU disassembly.

Postprocessing:
* Upsampling. Optionally, this step may be able to do more general rescaling of the image.
* Color space conversion (e.g., YCbCr to RGB). This step may also provide gamma adjustment [ currently it does not ].
* Optional color quantization (e.g., reduction to 256 colors).
* Optional color precision reduction (e.g., 24-bit to 15-bit color).
[This feature is not currently implemented.]

We also need overall control, marker parsing, and a data source module. The support code (memory management & error handling) can be shared with the compression half of the library.

There may be several implementations of each of these elements, particularly in the decompressor, where a wide range of speed/quality tradeoffs is very useful. It must be understood that some of the best speedups involve merging adjacent steps in the pipeline. For example, upsampling, color space conversion, and color quantization might all be done at once when using a low-quality ordered-dither technique. The system architecture is designed to allow such merging where appropriate.

Note: it is convenient to regard edge expansion (padding to block boundaries) as a preprocessing/postprocessing function, even though the JPEG spec includes it in compression/decompression. We do this because downsampling/upsampling can be simplified a little if they work on padded data: it's not necessary to have special cases at the right and bottom edges. Therefore the interface buffer is always an integral number of blocks wide and high, and we expect compression preprocessing to pad the source data properly. Padding will occur only to the next block (block_size-sample) boundary. In an interleaved-scan situation, additional dummy blocks may be used to fill out MCUs, but the MCU assembly and disassembly logic will create or discard these blocks internally. (This is advantageous for speed reasons, since we avoid DCTing the dummy blocks. It also permits a small reduction in file size, because the compressor can choose dummy block contents so as to minimize their size in compressed form. Finally, it makes the interface buffer specification independent of whether the file is actually interleaved or not.) Applications that wish to deal directly with the downsampled data must provide similar buffering and padding for odd-sized images.

*** Poor man's object-oriented programming ***
It should be clear by now that we have a lot of quasi-independent processing steps, many of which have several possible behaviors. To avoid cluttering the code with lots of switch statements, we use a simple form of object-style programming to separate out the different possibilities.

For example, two different color quantization algorithms could be implemented as two separate modules that present the same external interface; at runtime, the calling code will access the proper module indirectly through an "object".

We can get the limited features we need while staying within portable C. The basic tool is a function pointer. An "object" is just a struct containing one or more function pointer fields, each of which corresponds to a method name in real object-oriented languages. During initialization we fill in the function pointers with references to whichever module we have determined we need to use in this run. Then invocation of the module is done by indirecting through a function pointer; on most machines this is no more expensive than a switch statement, which would be the only other way of making the required run-time choice. The really significant benefit, of course, is keeping the source code clean and well structured.

We can also arrange to have private storage that varies between different implementations of the same kind of object. We do this by making all the module-specific object structs be separately allocated entities, which will be accessed via pointers in the master compression or decompression struct. The "public" fields or methods for a given kind of object are specified by a commonly known struct. But a module's initialization code can allocate a larger struct that contains the common struct as its first member, plus additional private fields. With appropriate pointer casting, the module's internal functions can access these private fields. (For a simple example, see jdatadst.c, which implements the external interface specified by struct jpeg_destination_mgr, but adds extra fields.)

(Of course this would all be a lot easier if we were using C++, but we are not yet prepared to assume that everyone has a C++ compiler.)

An important benefit of this scheme is that it is easy to provide multiple versions of any method, each tuned to a particular case. While a lot of precalculation might be done to select an optimal implementation of a method, the cost per invocation is constant. For example, the upsampling step might have a "generic" method, plus one or more "hardwired" methods for the most popular sampling factors; the hardwired methods would be faster because they'd use straight-line code instead of for-loops. The cost to determine which method to use is paid only once, at startup, and the selection criteria are hidden from the callers of the method.

This plan differs a little bit from usual object-oriented structures, in that only one instance of each object class will exist during execution. The reason for having the class structure is that on different runs we may create
different instances (choose to execute different modules). You can think of the term "method" as denoting the common interface presented by a particular set of interchangeable functions, and "object" as denoting a group of related methods, or the total shared interface behavior of a group of modules.

*** Overall control structure ***

We previously mentioned the need for overall control logic in the compression and decompression libraries. In IJG implementations prior to v5, overall control was mostly provided by "pipeline control" modules, which proved to be large, unwieldy, and hard to understand. To improve the situation, the control logic has been subdivided into multiple modules. The control modules consist of:

1. Master control for module selection and initialization. This has two responsibilities:
   1A. Startup initialization at the beginning of image processing.
       The individual processing modules to be used in this run are selected and given initialization calls.
   1B. Per-pass control. This determines how many passes will be performed and calls each active processing module to configure itself appropriately at the beginning of each pass. End-of-pass processing, where necessary, is also invoked from the master control module.

   Method selection is partially distributed, in that a particular processing module may contain several possible implementations of a particular method, which it will select among when given its initialization call. The master control code need only be concerned with decisions that affect more than one module.

2. Data buffering control. A separate control module exists for each inter-processing-step data buffer. This module is responsible for invoking the processing steps that write or read that data buffer.

   Each buffer controller sees the world as follows:

   input data => processing step A => buffer => processing step B => output data
   | | | | | |
   ------------------ controller ------------------

   The controller knows the dataflow requirements of steps A and B: how much data they want to accept in one chunk and how much they output in one chunk. Its function is to manage its buffer and call A and B at the proper times.

   A data buffer control module may itself be viewed as a processing step by a
higher-level control module; thus the control modules form a binary tree with elementary processing steps at the leaves of the tree.

The control modules are objects. A considerable amount of flexibility can be had by replacing implementations of a control module. For example:

* Merging of adjacent steps in the pipeline is done by replacing a control module and its pair of processing-step modules with a single processing-step module. (Hence the possible merges are determined by the tree of control modules.)

* In some processing modes, a given interstep buffer need only be a "strip" buffer large enough to accommodate the desired data chunk sizes. In other modes, a full-image buffer is needed and several passes are required. The control module determines which kind of buffer is used and manipulates virtual array buffers as needed. One or both processing steps may be unaware of the multi-pass behavior.

In theory, we might be able to make all of the data buffer controllers interchangeable and provide just one set of implementations for all. In practice, each one contains considerable special-case processing for its particular job. The buffer controller concept should be regarded as an overall system structuring principle, not as a complete description of the task performed by any one controller.

*** Compression object structure ***

Here is a sketch of the logical structure of the JPEG compression library:

```
   |-- Colorspace conversion
        |-- Preprocessing controller --|
             |                            |-- Downsampling
                   Main controller --|
                          |-- Forward DCT, quantize
                                |-- Coefficient controller --|
                                     |-- Entropy encoding
```

This sketch also describes the flow of control (subroutine calls) during typical image data processing. Each of the components shown in the diagram is an "object" which may have several different implementations available. One or more source code files contain the actual implementation(s) of each object.

The objects shown above are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the preprocessed input data. This controller invokes preprocessing to fill the subsampled-data buffer, and JPEG compression to empty it. There is usually no need for a full-image buffer here; a strip buffer is adequate.
* Preprocessing controller: buffer controller for the downsampling input data buffer, which lies between colorspace conversion and downsampling. Note that a unified conversion/downsampling module would probably replace this controller entirely.

* Colorspace conversion: converts application image data into the desired JPEG color space; also changes the data from pixel-interleaved layout to separate component planes. Processes one pixel row at a time.

* Downsampling: performs reduction of chroma components as required. Optionally may perform pixel-level smoothing as well. Processes a "row group" at a time, where a row group is defined as $V_{\text{max}}$ pixel rows of each component before downsampling, and $V_k$ sample rows afterwards (remember $V_k$ differs across components). Some downsampling or smoothing algorithms may require context rows above and below the current row group; the preprocessing controller is responsible for supplying these rows via proper buffering. The downsampler is responsible for edge expansion at the right edge (i.e., extending each sample row to a multiple of block size samples); but the preprocessing controller is responsible for vertical edge expansion (i.e., duplicating the bottom sample row as needed to make a multiple of block size rows).

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU assembly, including insertion of dummy DCT blocks when needed at the right or bottom edge. When performing Huffman-code optimization or emitting a multiscan JPEG file, this controller is responsible for buffering the full image. The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the JPEG file is noninterleaved.

* Forward DCT and quantization: Perform DCT, quantize, and emit coefficients. Works on one or more DCT blocks at a time. (Note: the coefficients are now emitted in normal array order, which the entropy encoder is expected to convert to zigzag order as necessary. Prior versions of the IJG code did the conversion to zigzag order within the quantization step.)

* Entropy encoding: Perform Huffman or arithmetic entropy coding and emit the coded data to the data destination module. Works on one MCU per call. For progressive JPEG, the same DCT blocks are fed to the entropy coder during each pass, and the coder must emit the appropriate subset of coefficients.

In addition to the above objects, the compression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules.
* Marker writing: generates JPEG markers (except for RSTn, which is emitted by the entropy encoder when needed).

* Data destination manager: writes the output JPEG datastream to its final destination (e.g., a file). The destination manager supplied with the library knows how to write to a stdio stream or to a memory buffer; for other behaviors, the surrounding application may provide its own destination manager.

* Memory manager: allocates and releases memory, controls virtual arrays (with backing store management, where required).

* Error handler: performs formatting and output of error and trace messages; determines handling of nonfatal errors. The surrounding application may override some or all of this object's methods to change error handling.

* Progress monitor: supports output of "percent-done" progress reports. This object represents an optional callback to the surrounding application: if wanted, it must be supplied by the application.

The error handler, destination manager, and progress monitor objects are defined as separate objects in order to simplify application-specific customization of the JPEG library. A surrounding application may override individual methods or supply its own all-new implementation of one of these objects. The object interfaces for these objects are therefore treated as part of the application interface of the library, whereas the other objects are internal to the library.

The error handler and memory manager are shared by JPEG compression and decompression; the progress monitor, if used, may be shared as well.

*** Decompression object structure ***

Here is a sketch of the logical structure of the JPEG decompression library:

```
|-- Entropy decoding
   |-- Coefficient controller --|
   |   |-- Dequantize, Inverse DCT
|Main controller --|
 |   |-- Upsampling
 |-- Postprocessing controller --|  |-- Colorspace conversion
    |   |-- Color quantization
    |   |-- Color precision reduction
```

As before, this diagram also represents typical control flow. The objects shown are:
* Main controller: buffer controller for the subsampled-data buffer, which holds the output of JPEG decompression proper. This controller's primary task is to feed the postprocessing procedure. Some upsampling algorithms may require context rows above and below the current row group; when this is true, the main controller is responsible for managing its buffer so as to make context rows available. In the current design, the main buffer is always a strip buffer; a full-image buffer is never required.

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU disassembly, including deletion of any dummy DCT blocks at the right or bottom edge. When reading a multiscan JPEG file, this controller is responsible for buffering the full image. (Buffering DCT coefficients, rather than samples, is necessary to support progressive JPEG.) The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the source JPEG file is noninterleaved.

* Entropy decoding: Read coded data from the data source module and perform Huffman or arithmetic entropy decoding. Works on one MCU per call. For progressive JPEG decoding, the coefficient controller supplies the prior coefficients of each MCU (initially all zeroes), which the entropy decoder modifies in each scan.

* Dequantization and inverse DCT: like it says. Note that the coefficients buffered by the coefficient controller have NOT been dequantized; we merge dequantization and inverse DCT into a single step for speed reasons. When scaled-down output is asked for, simplified DCT algorithms may be used that need fewer coefficients and emit fewer samples per DCT block, not the full 8x8. Works on one DCT block at a time.

* Postprocessing controller: buffer controller for the color quantization input buffer, when quantization is in use. (Without quantization, this controller just calls the upsampler.) For two-pass quantization, this controller is responsible for buffering the full-image data.

* Upsampling: restores chroma components to full size. (May support more general output rescaling, too. Note that if undersized DCT outputs have been emitted by the DCT module, this module must adjust so that properly sized outputs are created.) Works on one row group at a time. This module also calls the color conversion module, so its top level is effectively a buffer controller for the upsampling->color conversion buffer. However, in all but the highest-quality operating modes, upsampling and color conversion are likely to be merged into a single step.

* Colorspace conversion: convert from JPEG color space to output color space, and change data layout from separate component planes to pixel-interleaved. Works on one pixel row at a time.
* Color quantization: reduce the data to colormapped form, using either an externally specified colormap or an internally generated one. This module is not used for full-color output. Works on one pixel row at a time; may require two passes to generate a color map. Note that the output will always be a single component representing colormap indexes. In the current design, the output values are JSAMPLEs, so an 8-bit compilation cannot quantize to more than 256 colors. This is unlikely to be a problem in practice.

* Color reduction: this module handles color precision reduction, e.g., generating 15-bit color (5 bits/primary) from JPEG’s 24-bit output. Not quite clear yet how this should be handled... should we merge it with colorspace conversion???

Note that some high-speed operating modes might condense the entire postprocessing sequence to a single module (upsample, color convert, and quantize in one step).

In addition to the above objects, the decompression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules. This is subdivided into input and output control: jdinput.c controls only input-side processing, while jdmaster.c handles overall initialization and output-side control.

* Marker reading: decodes JPEG markers (except for RSTn).

* Data source manager: supplies the input JPEG datastream. The source manager supplied with the library knows how to read from a stdio stream or from a memory buffer; for other behaviors, the surrounding application may provide its own source manager.

* Memory manager: same as for compression library.

* Error handler: same as for compression library.

* Progress monitor: same as for compression library.

As with compression, the data source manager, error handler, and progress monitor are candidates for replacement by a surrounding application.

*** Decompression input and output separation ***

To support efficient incremental display of progressive JPEG files, the decompressor is divided into two sections that can run independently:
1. Data input includes marker parsing, entropy decoding, and input into the coefficient controller's DCT coefficient buffer. Note that this processing is relatively cheap and fast.

2. Data output reads from the DCT coefficient buffer and performs the IDCT and all postprocessing steps.

For a progressive JPEG file, the data input processing is allowed to get arbitrarily far ahead of the data output processing. (This occurs only if the application calls jpeg_consume_input(); otherwise input and output run in lockstep, since the input section is called only when the output section needs more data.) In this way the application can avoid making extra display passes when data is arriving faster than the display pass can run. Furthermore, it is possible to abort an output pass without losing anything, since the coefficient buffer is read-only as far as the output section is concerned. See libjpeg.txt for more detail.

A full-image coefficient array is only created if the JPEG file has multiple scans (or if the application specifies buffered-image mode anyway). When reading a single-scan file, the coefficient controller normally creates only a one-MCU buffer, so input and output processing must run in lockstep in this case. jpeg_consume_input() is effectively a no-op in this situation.

The main impact of dividing the decompressor in this fashion is that we must be very careful with shared variables in the cinfo data structure. Each variable that can change during the course of decompression must be classified as belonging to data input or data output, and each section must look only at its own variables. For example, the data output section may not depend on any of the variables that describe the current scan in the JPEG file, because these may change as the data input section advances into a new scan.

The progress monitor is (somewhat arbitrarily) defined to treat input of the file as one pass when buffered-image mode is not used, and to ignore data input work completely when buffered-image mode is used. Note that the library has no reliable way to predict the number of passes when dealing with a progressive JPEG file, nor can it predict the number of output passes in buffered-image mode. So the work estimate is inherently bogus anyway.

No comparable division is currently made in the compression library, because there isn't any real need for it.

*** Data formats ***

Arrays of pixel sample values use the following data structure:

typedef something JSAMPLE; a pixel component value, 0..MAXJSAMPLE
typedef JSAMPLE *JSAMPROW; ptr to a row of samples
typedef JSAMPROW *JSAMPARRAY; ptr to a list of rows
typedef JSAMPARRAY *JSAMPIMAGE; ptr to a list of color-component arrays

The basic element type JSAMPLE will typically be one of unsigned char, (signed) char, or short. Short will be used if samples wider than 8 bits are to be supported (this is a compile-time option). Otherwise, unsigned char is used if possible. If the compiler only supports signed chars, then it is necessary to mask off the value when reading. Thus, all reads of JSAMPLE values must be coded as "GETJSAMPLE(value)", where the macro will be defined as "((value) & 0xFF)" on signed-char machines and "((int) (value))" elsewhere.

With these conventions, JSAMPLE values can be assumed to be >=0. This helps simplify correct rounding during downsampling, etc. The JPEG standard's specification that sample values run from -128..127 is accommodated by subtracting 128 from the sample value in the DCT step. Similarly, during decompression the output of the IDCT step will be immediately shifted back to 0..255. (NB: different values are required when 12-bit samples are in use. The code is written in terms of MAXJSAMPLE and CENTERJSAMPLE, which will be defined as 255 and 128 respectively in an 8-bit implementation, and as 4095 and 2048 in a 12-bit implementation.)

We use a pointer per row, rather than a two-dimensional JSAMPLE array. This choice costs only a small amount of memory and has several benefits:
* Code using the data structure doesn't need to know the allocated width of the rows. This simplifies edge expansion/compression, since we can work in an array that's wider than the logical picture width.
* Indexing doesn't require multiplication; this is a performance win on many machines.
* Arrays with more than 64K total elements can be supported even on machines where malloc() cannot allocate chunks larger than 64K.
* The rows forming a component array may be allocated at different times without extra copying. This trick allows some speedups in smoothing steps that need access to the previous and next rows.

Note that each color component is stored in a separate array; we don't use the traditional layout in which the components of a pixel are stored together. This simplifies coding of modules that work on each component independently, because they don't need to know how many components there are. Furthermore, we can read or write each component to a temporary file independently, which is helpful when dealing with noninterleaved JPEG files.

In general, a specific sample value is accessed by code such as GETJSAMPLE(image[colorcomponent][row][col]) where col is measured from the image left edge, but row is measured from the first sample row currently in memory. Either of the first two indexings can be precomputed by copying the relevant pointer.
Since most image-processing applications prefer to work on images in which the components of a pixel are stored together, the data passed to or from the surrounding application uses the traditional convention: a single pixel is represented by N consecutive JSAMPLE values, and an image row is an array of (# of color components)*(image width) JSAMPLEs. One or more rows of data can be represented by a pointer of type JSAMPARRAY in this scheme. This scheme is converted to component-wise storage inside the JPEG library. (Applications that want to skip JPEG preprocessing or postprocessing will have to contend with component-wise storage.)

Arrays of DCT-coefficient values use the following data structure:

```c
typedef short JCOEF; // a 16-bit signed integer
typedef JCOEF JBLOCK[DCTSIZE2]; // an 8x8 block of coefficients
typedef JBLOCK *JBLOCKROW; // ptr to one horizontal row of 8x8 blocks
typedef JBLOCKROW *JBLOCKARRAY; // ptr to a list of such rows
typedef JBLOCKARRAY *JBLOCKIMAGE; // ptr to a list of color component arrays
```

The underlying type is at least a 16-bit signed integer; while "short" is big enough on all machines of interest, on some machines it is preferable to use "int" for speed reasons, despite the storage cost. Coefficients are grouped into 8x8 blocks (but we always use #defines DCTSIZE and DCTSIZE2 rather than "8" and "64").

The contents of a coefficient block may be in either "natural" or zigzagged order, and may be true values or divided by the quantization coefficients, depending on where the block is in the processing pipeline. In the current library, coefficient blocks are kept in natural order everywhere; the entropy codecs zigzag or dezigzag the data as it is written or read. The blocks contain quantized coefficients everywhere outside the DCT/IDCT subsystems. (This latter decision may need to be revisited to support variable quantization a la JPEG Part 3.)

Notice that the allocation unit is now a row of 8x8 coefficient blocks, corresponding to block_size rows of samples. Otherwise the structure is much the same as for samples, and for the same reasons.

On machines where malloc() can't handle a request bigger than 64Kb, this data structure limits us to rows of less than 512 JBLOCKs, or a picture width of 4000+ pixels. This seems an acceptable restriction.

On 80x86 machines, the bottom-level pointer types (JSAMPROW and JBLOCKROW) must be declared as "far" pointers, but the upper levels can be "near" (implying that the pointer lists are allocated in the DS segment). We use a #define symbol FAR, which expands to the "far" keyword when
*** Suspendable processing ***

In some applications it is desirable to use the JPEG library as an incremental, memory-to-memory filter. In this situation the data source or destination may be a limited-size buffer, and we can't rely on being able to empty or refill the buffer at arbitrary times. Instead the application would like to have control return from the library at buffer overflow/underrun, and then resume compression or decompression at a later time.

This scenario is supported for simple cases. (For anything more complex, we recommend that the application "bite the bullet" and develop real multitasking capability.) The libjpeg.txt file goes into more detail about the usage and limitations of this capability; here we address the implications for library structure.

The essence of the problem is that the entropy codec (coder or decoder) must be prepared to stop at arbitrary times. In turn, the controllers that call the entropy codec must be able to stop before having produced or consumed all the data that they normally would handle in one call. That part is reasonably straightforward: we make the controller call interfaces include "progress counters" which indicate the number of data chunks successfully processed, and we require callers to test the counter rather than just assume all of the data was processed.

Rather than trying to restart at an arbitrary point, the current Huffman codecs are designed to restart at the beginning of the current MCU after a suspension due to buffer overflow/underrun. At the start of each call, the codec's internal state is loaded from permanent storage (in the JPEG object structures) into local variables. On successful completion of the MCU, the permanent state is updated. (This copying is not very expensive, and may even lead to *improved* performance if the local variables can be registerized.) If a suspension occurs, the codec simply returns without updating the state, thus effectively reverting to the start of the MCU. Note that this implies leaving some data unprocessed in the source/destination buffer (ie, the compressed partial MCU). The data source/destination module interfaces are specified so as to make this possible. This also implies that the data buffer must be large enough to hold a worst-case compressed MCU; a couple thousand bytes should be enough.

In a successive-approximation AC refinement scan, the progressive Huffman decoder has to be able to undo assignments of newly nonzero coefficients if it suspends before the MCU is complete, since decoding requires distinguishing previously-zero and previously-nonzero coefficients. This is a bit tedious but probably won't have much effect on performance. Other variants of Huffman decoding need not worry about this, since they will just store the same values
again if forced to repeat the MCU.

This approach would probably not work for an arithmetic codec, since its modifiable state is quite large and couldn't be copied cheaply. Instead it would have to suspend and resume exactly at the point of the buffer end.

The JPEG marker reader is designed to cope with suspension at an arbitrary point. It does so by backing up to the start of the marker parameter segment, so the data buffer must be big enough to hold the largest marker of interest. Again, a couple KB should be adequate. (A special "skip" convention is used to bypass COM and APPn markers, so these can be larger than the buffer size without causing problems; otherwise a 64K buffer would be needed in the worst case.)

The JPEG marker writer currently does *not* cope with suspension. We feel that this is not necessary; it is much easier simply to require the application to ensure there is enough buffer space before starting. (An empty 2K buffer is more than sufficient for the header markers; and ensuring there are a dozen or two bytes available before calling jpeg_finish_compress() will suffice for the trailer.) This would not work for writing multi-scan JPEG files, but we simply do not intend to support that capability with suspension.

*** Memory manager services ***

The JPEG library's memory manager controls allocation and deallocation of memory, and it manages large "virtual" data arrays on machines where the operating system does not provide virtual memory. Note that the same memory manager serves both compression and decompression operations.

In all cases, allocated objects are tied to a particular compression or decompression master record, and they will be released when that master record is destroyed.

The memory manager does not provide explicit deallocation of objects. Instead, objects are created in "pools" of free storage, and a whole pool can be freed at once. This approach helps prevent storage-leak bugs, and it speeds up operations whenever malloc/free are slow (as they often are). The pools can be regarded as lifetime identifiers for objects. Two pools/lifetimes are defined:

* JPOOL_PERMANENT lasts until master record is destroyed
* JPOOL_IMAGE lasts until done with image (JPEG datastream)

Permanent lifetime is used for parameters and tables that should be carried across from one datastream to another; this includes all application-visible parameters. Image lifetime is used for everything else. (A third lifetime, JPOOL_PASS = one processing pass, was originally planned. However it was dropped as not being worthwhile. The actual usage patterns are such that the
peak memory usage would be about the same anyway; and having per-pass storage substantially complicates the virtual memory allocation rules --- see below.)

The memory manager deals with three kinds of object:
1. "Small" objects. Typically these require no more than 10K-20K total.
2. "Large" objects. These may require tens to hundreds of K depending on image size. Semantically they behave the same as small objects, but we distinguish them for two reasons:
   * On MS-DOS machines, large objects are referenced by FAR pointers, small objects by NEAR pointers.
   * Pool allocation heuristics may differ for large and small objects.
   Note that individual "large" objects cannot exceed the size allowed by type size_t, which may be 64K or less on some machines.
3. "Virtual" objects. These are large 2-D arrays of JSAMPLEs or JBLOCKs (typically large enough for the entire image being processed). The memory manager provides stripwise access to these arrays. On machines without virtual memory, the rest of the array may be swapped out to a temporary file.

(Note: JSAMPARRAY and JBLOCKARRAY data structures are a combination of large objects for the data proper and small objects for the row pointers. For convenience and speed, the memory manager provides single routines to create these structures. Similarly, virtual arrays include a small control block and a JSAMPARRAY or JBLOCKARRAY working buffer, all created with one call.)

In the present implementation, virtual arrays are only permitted to have image lifespan. (Permanent lifespan would not be reasonable, and pass lifespan is not very useful since a virtual array's raison d'être is to store data for multiple passes through the image.) We also expect that only "small" objects will be given permanent lifespan, though this restriction is not required by the memory manager.

In a non-virtual-memory machine, some performance benefit can be gained by making the in-memory buffers for virtual arrays be as large as possible. (For small images, the buffers might fit entirely in memory, so blind swapping would be very wasteful.) The memory manager will adjust the height of the buffers to fit within a prespecified maximum memory usage. In order to do this in a reasonably optimal fashion, the manager needs to allocate all of the virtual arrays at once. Therefore, there isn't a one-step allocation routine for virtual arrays; instead, there is a "request" routine that simply allocates the control block, and a "realize" routine (called just once) that determines space allocation and creates all of the actual buffers. The realize routine must allow for space occupied by non-virtual large objects. (We don't bother to factor in the space needed for small objects, on the grounds that it isn't worth the trouble.)

To support all this, we establish the following protocol for doing business with the memory manager:
1. Modules must request virtual arrays (which may have only image lifespan) during the initial setup phase, i.e., in their jinit_xxx routines.
2. All "large" objects (including JSAMPARRAYs and JBLOCKARRAYs) must also be allocated during initial setup.
3. realize_virt_arrays will be called at the completion of initial setup.

The above conventions ensure that sufficient information is available for it to choose a good size for virtual array buffers.

Small objects of any lifespan may be allocated at any time. We expect that the total space used for small objects will be small enough to be negligible in the realize_virt_arrays computation.

In a virtual-memory machine, we simply pretend that the available space is infinite, thus causing realize_virt_arrays to decide that it can allocate all the virtual arrays as full-size in-memory buffers. The overhead of the virtual-array access protocol is very small when no swapping occurs.

A virtual array can be specified to be "pre-zeroed"; when this flag is set, never-yet-written sections of the array are set to zero before being made available to the caller. If this flag is not set, never-written sections of the array contain garbage. (This feature exists primarily because the equivalent logic would otherwise be needed in jdccoef.c for progressive JPEG mode; we may as well make it available for possible other uses.)

The first write pass on a virtual array is required to occur in top-to-bottom order; read passes, as well as any write passes after the first one, may access the array in any order. This restriction exists partly to simplify the virtual array control logic, and partly because some file systems may not support seeking beyond the current end-of-file in a temporary file. The main implication of this restriction is that rearrangement of rows (such as converting top-to-bottom data order to bottom-to-top) must be handled while reading data out of the virtual array, not while putting it in.

*** Memory manager internal structure ***

To isolate system dependencies as much as possible, we have broken the memory manager into two parts. There is a reasonably system-independent "front end" (jmemmgr.c) and a "back end" that contains only the code likely to change across systems. All of the memory management methods outlined above are implemented by the front end. The back end provides the following routines for use by the front end (none of these routines are known to the rest of the JPEG code):

jpeg_mem_init, jpeg_mem_term system-dependent initialization/shutdown

jpeg_get_small, jpeg_free_small interface to malloc and free library routines
(or their equivalents)
jpeg_get_large, jpeg_free_large Interface to FAR malloc/free in MSDOS machines; else usually the same as jpeg_get_small/jpeg_free_small

jpeg_mem_available Estimate available memory

jpeg_open_backing_store Create a backing-store object

read_backing_store, manipulate a backing-store object
write_backing_store,
close_backing_store

On some systems there will be more than one type of backing-store object (specifically, in MS-DOS a backing store file might be an area of extended memory as well as a disk file). jpeg_open_backing_store is responsible for choosing how to implement a given object. The read/write/close routines are method pointers in the structure that describes a given object; this lets them be different for different object types.

It may be necessary to ensure that backing store objects are explicitly released upon abnormal program termination. For example, MS-DOS won’t free extended memory by itself. To support this, we will expect the main program or surrounding application to arrange to call self_destruct (typically via jpeg_destroy) upon abnormal termination. This may require a SIGINT signal handler or equivalent. We don’t want to have the back end module install its own signal handler, because that would pre-empt the surrounding application’s ability to control signal handling.

The IJG distribution includes several memory manager back end implementations. Usually the same back end should be suitable for all applications on a given system, but it is possible for an application to supply its own back end at need.

*** Implications of DNL marker ***

Some JPEG files may use a DNL marker to postpone definition of the image height (this would be useful for a fax-like scanner’s output, for instance). In these files the SOF marker claims the image height is 0, and you only find out the true image height at the end of the first scan.

We could read these files as follows:
1. Upon seeing zero image height, replace it by 65535 (the maximum allowed).
2. When the DNL is found, update the image height in the global image descriptor.
This implies that control modules must avoid making copies of the image height, and must re-test for termination after each MCU row. This would be easy enough to do.
In cases where image-size data structures are allocated, this approach will result in very inefficient use of virtual memory or much-larger-than-necessary temporary files. This seems acceptable for something that probably won't be a mainstream usage. People might have to forgo use of memory-hogging options (such as two-pass color quantization or noninterleaved JPEG files) if they want efficient conversion of such files. (One could improve efficiency by demanding a user-supplied upper bound for the height, less than 65536; in most cases it could be much less.)

The standard also permits the SOF marker to overestimate the image height, with a DNL to give the true, smaller height at the end of the first scan. This would solve the space problems if the overestimate wasn't too great. However, it implies that you don't even know whether DNL will be used.

This leads to a couple of very serious objections:
1. Testing for a DNL marker must occur in the inner loop of the decompressor's Huffman decoder; this implies a speed penalty whether the feature is used or not.
2. There is no way to hide the last-minute change in image height from an application using the decoder. Thus *every* application using the IJG library would suffer a complexity penalty whether it cared about DNL or not.

We currently do not support DNL because of these problems.

A different approach is to insist that DNL-using files be preprocessed by a separate program that reads ahead to the DNL, then goes back and fixes the SOF marker. This is a much simpler solution and is probably far more efficient. Even if one wants piped input, buffering the first scan of the JPEG file needs a lot smaller temp file than is implied by the maximum-height method. For this approach we'd simply treat DNL as a no-op in the decompressor (at most, check that it matches the SOF image height).

We will not worry about making the compressor capable of outputting DNL. Something similar to the first scheme above could be applied if anyone ever wants to make that work.

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/structure.txt

No license file was found, but licenses were detected in source scan.

/*
 * jaricom.c
 *
 * Developed 1997-2011 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 */
* This file contains probability estimation tables for common use in
  arithmetic entropy encoding and decoding routines.
*
* This data represents Table D.3 in the JPEG spec (D.2 in the draft),
  ISO/IEC IS 10918-1 and CCITT Recommendation ITU-T T.81, and Table 24
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jaricom.c
No license file was found, but licenses were detected in source scan.

/*
 * jcapimin.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * Modified 2003-2010 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the compression half
 * of the JPEG library. These are the "minimum" API routines that may be
 * needed in either the normal full-compression case or the transcoding-only
 * case.
 *
 * Most of the routines intended to be called directly by an application
 * are in this file or in jcapistd.c. But also see jcparam.c for
 * parameter-setup helper routines, jcomapi.c for routines shared by
 * compression and decompression, and jctrans.c for the transcoding case.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jcapimin.c
No license file was found, but licenses were detected in source scan.

/*
 * jquant2.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modified 2011 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains 2-pass color quantization (color mapping) routines.
 * These routines provide selection of a custom color map for an image,
 * followed by mapping of the image to that color map, with optional
 * Floyd-Steinberg dithering.
 * It is also possible to use just the second pass to map to an arbitrary
externally-given color map.

Note: ordered dithering is not supported, since there isn't any fast way to compute intercolor distances; it's unclear that ordered dither's fundamental assumptions even hold with an irregularly spaced color map.

Found in path(s):
/./path/col/a/perm/its/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jquant2.c
No license file was found, but licenses were detected in source scan.

/*
 * jidctflt.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains a floating-point implementation of the inverse DCT (Discrete Cosine Transform). In the IJG code, this routine must also perform dequantization of the input coefficients.
 * This implementation should be more accurate than either of the integer IDCT implementations. However, it may not give the same results on all machines because of differences in roundoff behavior. Speed will depend on the hardware's floating point capacity.
 * A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT on each row (or vice versa, but it's more convenient to emit a row at a time). Direct algorithms are also available, but they are much more complex and seem not to be any faster when reduced to code.
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in Japanese, but the algorithm is described in the Pennebaker & Mitchell JPEG textbook (see REFERENCES section in file README). The following code is based directly on figure 4-8 in P&M.
 * While an 8-point DCT cannot be done in less than 11 multiplies, it is possible to arrange the computation so that many of the multiplies are simple scalings of the final outputs. These multiplies can then be folded into the multiplications or divisions by the JPEG quantization table entries. The AA&W method leaves only 5 multiplies and 29 adds to be done in the DCT itself.
 * The primary disadvantage of this method is that with a fixed-point implementation, accuracy is lost due to imprecise representation of the scaled quantization values. However, that problem does not arise if we use floating point arithmetic.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jidctflt.c
No license file was found, but licenses were detected in source scan.

/*
 * jdsample.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains upsampling routines.
 *
 * Upsampling input data is counted in "row groups". A row group
 * is defined to be (v_samp_factor * DCT_v_scaled_size / min_DCT_v_scaled_size)
 * sample rows of each component. Upsampling will normally produce
 * max_v_samp_factor pixel rows from each row group (but this could vary
 * if the upsampler is applying a scale factor of its own).
 *
 * An excellent reference for image resampling is
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdsample.c
No license file was found, but licenses were detected in source scan.

/*
 * jcsample.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains downsampling routines.
 *
 * Downsampling input data is counted in "row groups". A row group
 * is defined to be max_v_samp_factor pixel rows of each component,
 * from which the downsampler produces v_samp_factor sample rows.
 * A single row group is processed in each call to the downsampler module.
 *
 * The downsampler is responsible for edge-expansion of its output data
 * to fill an integral number of DCT blocks horizontally. The source buffer
 * may be modified if it is helpful for this purpose (the source buffer is
* allocated wide enough to correspond to the desired output width).
* The caller (the prep controller) is responsible for vertical padding.
*
* The downsampler may request "context rows" by setting need_context_rows
* during startup. In this case, the input arrays will contain at least
* one row group's worth of pixels above and below the passed-in data;
* the caller will create dummy rows at image top and bottom by replicating
* the first or last real pixel row.
*
* An excellent reference for image resampling is
*
* The downsampling algorithm used here is a simple average of the source
* pixels covered by the output pixel. The hi-falutin sampling literature
* refers to this as a "box filter". In general the characteristics of a box
* filter are not very good, but for the specific cases we normally use (1:1
* and 2:1 ratios) the box is equivalent to a "triangle filter" which is not
* nearly so bad. If you intend to use other sampling ratios, you'd be well
* advised to improve this code.
*
* A simple input-smoothing capability is provided. This is mainly intended
* for cleaning up color-dithered GIF input files (if you find it inadequate,
* we suggest using an external filtering program such as pnmconvol). When
* enabled, each input pixel P is replaced by a weighted sum of itself and its
* eight neighbors. P's weight is 1-8*SF and each neighbor's weight is SF,
* where SF = (smoothing_factor / 1024).
* Currently, smoothing is only supported for 2h2v sampling factors.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jcsample.c

No license file was found, but licenses were detected in source scan.

/

* jcmarker.c
*
* Copyright (C) 1991-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to write JPEG datastream markers.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jcmarker.c
No license file was found, but licenses were detected in source scan.

/*
 * jdatasrc.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains decompression data source routines for the case of
 * reading JPEG data from memory or from a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different source manager.
 * IMPORTANT: we assume that fread() will correctly transcribe an array of
 * JOCTETs from 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdatasrc.c

No license file was found, but licenses were detected in source scan.

/*
 * jdhuff.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains Huffman entropy decoding routines.
 * Both sequential and progressive modes are supported in this single module.
 *
 * Much of the complexity here has to do with supporting input suspension.
 * If the data source module demands suspension, we want to be able to back
 * up to the start of the current MCU. To do this, we copy state variables
 * into local working storage, and update them back to the permanent
 * storage only upon successful completion of an MCU.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdhuff.c

No license file was found, but licenses were detected in source scan.

/*
 * rdppm.c
 *
* Copyright (C) 1991-97, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to read input images in PPM/PGM format.
* The extended 2-byte-per-sample raw PPM/PGM formats are supported.
* The PBMPLUS library is NOT required to compile this software
* (but it is highly useful as a set of PPM image manipulation programs).
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed PPM format).
*/
/* Portions of this code are based on the PBMPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/rdppm.c
No license file was found, but licenses were detected in source scan.

/*
* jccolor.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains input colorspace conversion routines.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jccolor.c
No license file was found, but licenses were detected in source scan.
/*
 * jinclude.h
 *
 * Copyright (C) 1991-1994, Thomas G. Lane.
 * Modified 2017 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file exists to provide a single place to fix any problems with
 * including the wrong system include files. (Common problems are taken
 * care of by the standard jconfig symbols, but on really weird systems
 * you may have to edit this file.)
 *
 * NOTE: this file is NOT intended to be included by applications using the
 * JPEG library. Most applications need only include jpeglib.h.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jinclude.h
No license file was found, but licenses were detected in source scan.

/*
 * rdgif.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modified 2019 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in GIF format.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed GIF format).
 */

/*
 * This code is loosely based on giftoppm from the PBMPLUS distribution
 * of Feb. 1991. That file contains the following copyright notice:
 * +-------------------------------------------------------------------+
 * | Copyright 1990, David Koblas.                                       |
 * | Permission to use, copy, modify, and distribute this software       |
 * | and its documentation for any purpose and without fee is hereby     |
 * | granted, provided that the above copyright notice appear in all     |
 * | copies and that both that copyright notice and this permission     |
 * | notice appear in supporting documentation. This software is        |
 */
Open Source Used In CSPC_Collector 2.9.1 7956

* | provided "as is" without express or implied warranty. | +-------------------------------------------------------------------+
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/rdgif.c
No license file was found, but licenses were detected in source scan.

/*
* jdct.h
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This include file contains common declarations for the forward and
* inverse DCT modules. These declarations are private to the DCT managers
* (jcdctmgr.c, jdctmgr.c) and the individual DCT algorithms.
* The individual DCT algorithms are kept in separate files to ease
* machine-dependent tuning (e.g., assembly coding).
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdct.h
No license file was found, but licenses were detected in source scan.

/*
* ckconfig.c
*
* Copyright (C) 1991-1994, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/ckconfig.c
No license file was found, but licenses were detected in source scan.

/*
* rdjpgcom.c
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* Modified 2009 by Bill Allombert, Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a very simple stand-alone application that displays
* the text in COM (comment) markers in a JFIF file.
* This may be useful as an example of the minimum logic needed to parse
* JPEG markers.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.470/jpegsrc-v9d-tar-gz/jpeg-9d/rdjpgcom.c
No license file was found, but licenses were detected in source scan.

/ *
* jidctfst.c
*
* Copyright (C) 1994-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a fast, not so accurate integer implementation of the
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
* must also perform dequantization of the input coefficients.
*
* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
* on each row (or vice versa, but it's more convenient to emit a row at
* a time). Direct algorithms are also available, but they are much more
* complex and seem not to be any faster when reduced to code.
*
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with fixed-point math,
* accuracy is lost due to imprecise representation of the scaled
* quantization values. The smaller the quantization table entry, the less
* precise the scaled value, so this implementation does worse with high-
* quality-setting files than with low-quality ones.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.470/jpegsrc-v9d-tar-gz/jpeg-9d/jidctfst.c
No license file was found, but licenses were detected in source scan.
/*
 * jcapistd.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modified 2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the compression half
 * of the JPEG library. These are the "standard" API routines that are
 * used in the normal full-compression case. They are not used by a
 * transcoding-only application. Note that if an application links in
 * jpeg_start_compress, it will end up linking in the entire compressor.
 * We thus must separate this file from jcapimin.c to avoid linking the
 * whole compression library into a transcoder.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jcapistd.c

No license file was found, but licenses were detected in source scan.

/*
 * jfdctint.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a slow-but-accurate integer implementation of the
 * forward DCT (Discrete Cosine Transform).
 *
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
 * on each column. Direct algorithms are also available, but they are
 * much more complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on an algorithm described in
 * C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
 * Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
 * The primary algorithm described there uses 11 multiplies and 29 adds.
 * We use their alternate method with 12 multiplies and 32 adds.
 * The advantage of this method is that no data path contains more than one
 * multiplication; this allows a very simple and accurate implementation in
 * scaled fixed-point arithmetic, with a minimal number of shifts.
 *
 * We also provide FDCT routines with various input sample block sizes for
 * direct resolution reduction or enlargement and for direct resolving the
* common 2x1 and 1x2 subsampling cases without additional resampling: N x N
  * (N=1...16), 2N x N, and N x 2N (N=1...8) pixels for one 8x8 output DCT block.
  *
  * For N<8 we fill the remaining block coefficients with zero.
  * For N>8 we apply a partial N-point FDCT on the input samples, computing
  * just the lower 8 frequency coefficients and discarding the rest.
  *
  * We must scale the output coefficients of the N-point FDCT appropriately
  * to the standard 8-point FDCT level by 8/N per 1-D pass. This scaling
  * is folded into the constant multipliers (pass 2) and/or final/initial
  * shifting.
  *
  * CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases
  * since there would be too many additional constants to pre-calculate.
  */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jfdctint.c
No license file was found, but licenses were detected in source scan.

/*
 * jmemdos.c
 *
 * Copyright (C) 1992-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file provides an MS-DOS-compatible implementation of the system-dependent portion of the JPEG memory manager. Temporary data can be
 * stored in extended or expanded memory as well as in regular DOS files.
 *
 * If you use this file, you must be sure that NEED_FAR_POINTERS is defined
 * if you compile in a small-data memory model; it should NOT be defined if
 * you use a large-data memory model. This file is not recommended if you
 * are using a flat-memory-space 386 environment such as DJGCC or Watcom C.
 * Also, this code will NOT work if struct fields are aligned on greater than
 * 2-byte boundaries.
 *
 * Based on code contributed by Ge' Weijers.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jmemdos.c
No license file was found, but licenses were detected in source scan.

/*
 * jidctint.c
 */
Copyright (C) 1991-1998, Thomas G. Lane.
Modification developed 2002-2018 by Guido Vollbeding.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file contains a slow-but-accurate integer implementation of the
inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
must also perform dequantization of the input coefficients.

A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
on each row (or vice versa, but it's more convenient to emit a row at
a time). Direct algorithms are also available, but they are much more
complex and seem not to be any faster when reduced to code.

This implementation is based on an algorithm described in
C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
The primary algorithm described there uses 11 multiplies and 29 adds.
We use their alternate method with 12 multiplies and 32 adds.
The advantage of this method is that no data path contains more than one
multiplication; this allows a very simple and accurate implementation in
scaled fixed-point arithmetic, with a minimal number of shifts.

We also provide IDCT routines with various output sample block sizes for
direct resolution reduction or enlargement and for direct resolving the
common 2x1 and 1x2 subsampling cases without additional resampling: NxN
(N=1...16), 2NxN, and Nx2N (N=1...8) pixels for one 8x8 input DCT block.

For N<8 we simply take the corresponding low-frequency coefficients of
the 8x8 input DCT block and apply an NxN point IDCT on the sub-block
to yield the downscaled outputs.
This can be seen as direct low-pass downsampling from the DCT domain
point of view rather than the usual spatial domain point of view,
yielding significant computational savings and results at least
as good as common bilinear (averaging) spatial downsampling.

For N>8 we apply a partial NxN IDCT on the 8 input coefficients as
lower frequencies and higher frequencies assumed to be zero.
It turns out that the computational effort is similar to the 8x8 IDCT
regarding the output size.
Furthermore, the scaling and descaling is the same for all IDCT sizes.

CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases
since there would be too many additional constants to pre-calculate.

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*
 * rdbmp.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in Microsoft "BMP"
 * format (MS Windows 3.x, OS/2 1.x, and OS/2 2.x flavors).
 * Currently, only 8-, 24-, and 32-bit images are supported, not 1-bit or
 * 4-bit (feeding such low-depth images into JPEG would be silly anyway).
 * Also, we don't support RLE-compressed files.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed BMP format).
 *
 * This code contributed by James Arthur Boucher.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.470/jpegsrc-v9d-tar-gz/jpeg-9d/rdbmp.c

No license file was found, but licenses were detected in source scan.

/*
 * jmemmgr.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the JPEG system-independent memory management
 * routines. This code is usable across a wide variety of machines; most
 * of the system dependencies have been isolated in a separate file.
 * The major functions provided here are:
 * * pool-based allocation and freeing of memory;
 * * policy decisions about how to divide available memory among the
 *   virtual arrays;
 * * control logic for swapping virtual arrays between main memory and
 *   backing storage.
 */
* The separate system-dependent file provides the actual backing-storage
* access code, and it contains the policy decision about how much total
* main memory to use.
* This file is system-dependent in the sense that some of its functions
* are unnecessary in some systems. For example, if there is enough virtual
* memory so that backing storage will never be used, much of the virtual
* array control logic could be removed. (Of course, if you have that much
* memory then you shouldn't care about a little bit of unused code...)
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jmemmgr.c

No license file was found, but licenses were detected in source scan.

/*
 * djpeg.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a command-line user interface for the JPEG decompressor.
 * It should work on any system with Unix- or MS-DOS-style command lines.
 *
 * Two different command line styles are permitted, depending on the
 * compile-time switch TWO_FILE_COMMANDLINE:
 * djpeg [options]  inputfile  outputfile
 * djpeg [options]  [inputfile]
 * In the second style, output is always to standard output, which you'd
 * normally redirect to a file or pipe to some other program. Input is
 * either from a named file or from standard input (typically redirected).
 * The second style is convenient on Unix but is unhelpful on systems that
 * don't support pipes. Also, you MUST use the first style if your system
 * doesn't do binary I/O to stdin/stdout.
 * To simplify script writing, the "-outfile" switch is provided. The syntax
 * djpeg [options]  -outfile  outputfile  inputfile
 * works regardless of which command line style is used.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/djpeg.c

No license file was found, but licenses were detected in source scan.

/*
 * cdjpeg.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains common support routines used by the IJG application
* programs (cjpeg, djpeg, jpegtran).
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/cdjpeg.c
No license file was found, but licenses were detected in source scan.

/*
* jcprepct.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains the compression preprocessing controller.
* This controller manages the color conversion, downsampling,
* and edge expansion steps.
* 
* Most of the complexity here is associated with buffering input rows
* as required by the downsampler. See the comments at the head of
* jcsample.c for the downsampler's needs.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jcprepct.c
No license file was found, but licenses were detected in source scan.

/*
* rdrle.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modified 2019 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains routines to read input images in Utah RLE format.
* The Utah Raster Toolkit library is required (version 3.1 or later).
* 
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed RLE format).
Based on code contributed by Mike Lijewski,
with updates from Robert Hutchinson.

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/rdrle.c
No license file was found, but licenses were detected in source scan.

* jdarith.c

* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains portable arithmetic entropy decoding routines for JPEG
* Both sequential and progressive modes are supported in this single module.
* Suspension is not currently supported in this module.

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdarith.c
No license file was found, but licenses were detected in source scan.

* jversion.h

* Copyright (C) 1991-2020, Thomas G. Lane, Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains software version identification.

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jversion.h
No license file was found, but licenses were detected in source scan.

* jcmaint.c

* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the main buffer controller for compression.
* The main buffer lies between the pre-processor and the JPEG compressor proper; it holds downsampled data in the JPEG colorspace.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jcmainct.c

No license file was found, but licenses were detected in source scan.

/*
 * jdmerge.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains code for merged upsampling/color conversion.
 *
 * This file combines functions from jdsample.c and jdcolor.c;
 * read those files first to understand what's going on.
 *
 * When the chroma components are to be upsampled by simple replication
 * (ie, box filtering), we can save some work in color conversion by
 * calculating all the output pixels corresponding to a pair of chroma
 * samples at one time. In the conversion equations
 *R = Y + K1 * Cr
 *G = Y + K2 * Cb + K3 * Cr
 *B = Y + K4 * Cb
 * only the Y term varies among the group of pixels corresponding to a pair
 * of chroma samples, so the rest of the terms can be calculated just once.
 * At typical sampling ratios, this eliminates half or three-quarters of the
 * multiplications needed for color conversion.
 *
 * This file currently provides implementations for the following cases:
 *YCC => RGB color conversion only (YCbCr or BG_YCC).
 *Sampling ratios of 2h1v or 2h2v.
 *No scaling needed at upsample time.
 *Corner-aligned (non-CCIR601) sampling alignment.
 * Other special cases could be added, but in most applications these are
 * the only common cases. (For uncommon cases we fall back on the more
 * general code in jdsample.c and jdcolor.c.)
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdmerge.c
No license file was found, but licenses were detected in source scan.

/*
 * rdcolmap.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file implements djpeg's "-map file" switch. It reads a source image
 * and constructs a colormap to be supplied to the JPEG decompressor.
 *
 * Currently, these file formats are supported for the map file:
 * GIF: the contents of the GIF's global colormap are used.
 * PPM (either text or raw flavor): the entire file is read and
 * each unique pixel value is entered in the map.
 * Note that reading a large PPM file will be horrendously slow.
 * Typically, a PPM-format map file should contain just one pixel
 * of each desired color. Such a file can be extracted from an
 * ordinary image PPM file with ppmtomap(1).
 *
 * Rescaling a PPM that has a maxval unequal to MAXJSAMPLE is not
 * currently implemented.
 */

/* Portions of this code are based on the PBMPPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/rdcolmap.c

No license file was found, but licenses were detected in source scan.

/*
 * transupp.c
 *
 * Copyright (C) 1997-2019, Thomas G. Lane, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains image transformation routines and other utility code
* used by the jpegtran sample application. These are NOT part of the core
* JPEG library. But we keep these routines separate from jpegtran.c to
* ease the task of maintaining jpegtran-like programs that have other user
* interfaces.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/transupp.c

No license file was found, but licenses were detected in source scan.

IJG JPEG LIBRARY: FILE LIST

Copyright (C) 1994-2019, Thomas G. Lane, Guido Vollbeding.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

Here is a road map to the files in the IJG JPEG distribution. The
distribution includes the JPEG library proper, plus two application
programs ("cjpeg" and "djpeg") which use the library to convert JPEG
files to and from some other popular image formats. A third application
"jpegtran" uses the library to do lossless conversion between different
variants of JPEG. There are also two stand-alone applications,
"rdjpgcom" and "wrjpgcom".

THE JPEG LIBRARY
================
Include files:

jpeglib.h JPEG library's exported data and function declarations.
jconfig.h Configuration declarations. Note: this file is not present
in the distribution; it is generated during installation.
jmorecfg.h Additional configuration declarations; need not be changed
for a standard installation.
jerror.h Declares JPEG library's error and trace message codes.
jinclude.h Central include file used by all IJG .c files to reference
system include files.
jpegint.h JPEG library's internal data structures.
jdct.h Private declarations for forward & reverse DCT subsystems.
jemmsys.h Private declarations for memory management subsystem.
jversion.h Version information.

Applications using the library should include jpeglib.h (which in turn
includes jconfig.h and jmorecfg.h). Optionally, jerror.h may be included
if the application needs to reference individual JPEG error codes. The
other include files are intended for internal use and would not normally
be included by an application program. (cjpeg/djpeg/etc do use jinclude.h, since its function is to improve portability of the whole IJG distribution. Most other applications will directly include the system include files they want, and hence won't need jinclude.h.)

C source code files:

These files contain most of the functions intended to be called directly by an application program:

jcapimin.c: Application program interface: core routines for compression.
jcapistd.c: Application program interface: standard compression.
jdapimin.c: Application program interface: core routines for decompression.
jdapistd.c: Application program interface: standard decompression.
jcomapi.c: Application program interface routines common to compression and decompression.
jparam.c: Compression parameter setting helper routines.
jtrans.c: API and library routines for transcoding compression.
jdtrans.c: API and library routines for transcoding decompression.

Compression side of the library:

jcin.c: Initialization: determines which other modules to use.
jcmaster.c: Master control: setup and inter-pass sequencing logic.
jcmaint.c: Main buffer controller (preprocessor => JPEG compressor).
jcpreset.c: Preprocessor buffer controller.
jccoeff.c: Buffer controller for DCT coefficient buffer.
jccolor.c: Color space conversion.
jcsample.c: Downsampling.
jdctmgr.c: DCT manager (DCT implementation selection & control).
jfdctint.c: Forward DCT using slow-but-accurate integer method.
jfdctfst.c: Forward DCT using faster, less accurate integer method.
jfdctflt.c: Forward DCT using floating-point arithmetic.
jchuff.c: Huffman entropy coding.
jcarith.c: Arithmetic entropy coding.
jcmarker.c: JPEG marker writing.
jdatadst.c: Data destination managers for memory and stdio output.

Decompression side of the library:

jdmaster.c: Master control: determines which other modules to use.
jdinput.c: Input controller: controls input processing modules.
jdmaint.c: Main buffer controller (JPEG decompressor => postprocessor).
jdcoeff.c: Buffer controller for DCT coefficient buffer.
jdpostct.c: Postprocessor buffer controller.
jdmarker.c: JPEG marker reading.
jdhuff.c: Huffman entropy decoding.
```plaintext
jdarith.c  Arithmetic entropy decoding.
jdctmgr.c  IDCT manager (IDCT implementation selection & control).
jidctint.c  Inverse DCT using slow-but-accurate integer method.
jidctfst.c  Inverse DCT using faster, less accurate integer method.
jidctflt.c  Inverse DCT using floating-point arithmetic.
jdsample.c  Upsampling.
jdcolor.c  Color space conversion.
jdmerge.c  Merged upsampling/color conversion (faster, lower quality).
jquant1.c  One-pass color quantization using a fixed-spacing colormap.
jquant2.c  Two-pass color quantization using a custom-generated colormap. Also handles one-pass quantization to an externally given map.
jdatasrc.c  Data source managers for memory and stdio input.

Support files for both compression and decompression:

jaricom.c  Tables for common use in arithmetic entropy encoding and decoding routines.
jerror.c  Standard error handling routines (application replaceable).
jmemmgr.c  System-independent (more or less) memory management code.
jutils.c  Miscellaneous utility routines.

jmemmgr.c relies on a system-dependent memory management module. The IJG distribution includes the following implementations of the system-dependent module:

jmemnobs.c  "No backing store": assumes adequate virtual memory exists.
jemansi.c  Makes temporary files with ANSI-standard routine tmpfile().
jemname.c  Makes temporary files with program-generated file names.
jemdos.c  Custom implementation for MS-DOS (16-bit environment only): can use extended and expanded memory as well as temp files.
jemmac.c  Custom implementation for Apple Macintosh.

Exactly one of the system-dependent modules should be configured into an installed JPEG library (see install.txt for hints about which one to use). On unusual systems you may find it worthwhile to make a special system-dependent memory manager.

Non-C source code files:

jemdosa.asm  80x86 assembly code support for jemdos.c; used only in MS-DOS-specific configurations of the JPEG library.

CJPEC/DJPEG/JPEGTAN

====================

Include files:
```
cdjpeg.h Declarations shared by cjpeg/djpeg/jpegtran modules.
cderror.h Additional error and trace message codes for cjpeg et al.
transupp.h Declarations for jpegtran support routines in transupp.c.

C source code files:

cjpeg.c Main program for cjpeg.
djpeg.c Main program for djpeg.
jpegtran.c Main program for jpegtran.
cdjpeg.c Utility routines used by all three programs.
rdcolmap.c Code to read a colormap file for djpeg's "-map" switch.
rdswitch.c Code to process some of cjpeg's more complex switches. Also used by jpegtran.
transupp.c Support code for jpegtran: lossless image manipulations.

Image file reader modules for cjpeg:

rdbmp.c BMP file input.
rdgif.c GIF file input.
rddppm.c PPM/PGM file input.
rdrle.c Utah RLE file input.
rdtarga.c Targa file input.

Image file writer modules for djpeg:

wrbmp.c BMP file output.
wrgif.c GIF file output.
wrppm.c PPM/PGM file output.
wrrel.c Utah RLE file output.
wrtnaga.c Targa file output.

RDJPGCOM/WRJPGCOM

C source code files:

rdjpgcom.c Stand-alone rdjpgcom application.
wjpgcom.c Stand-alone wjpgcom application.

These programs do not depend on the IJG library. They do use jconfig.h and jinclude.h, only to improve portability.

ADDITIONAL FILES

=================

C source code files:

rdjpgcom.c Stand-alone rdjpgcom application.
wjpgcom.c Stand-alone wjpgcom application.

These programs do not depend on the IJG library. They do use jconfig.h and jinclude.h, only to improve portability.
Documentation (see README for a guide to the documentation files):

READMEMaster documentation file.
*.txtOther documentation files.
*.1Documentation in Unix man page format.
change.logVersion-to-version change highlights.
example.cSample code for calling JPEG library.

Configuration/installation files and programs (see install.txt for more info):

configureUnix shell script to perform automatic configuration.
configure.acSource file for use with Autoconf to generate configure.
ltmain.shSupport scripts for configure (from GNU libtool).
config.guess
config.sub
depcomp
missing
ar-lib
compile
install-shInstall shell script for those Unix systems lacking one.
Makefile.inMakefile input for configure.
Makefile.amSource file for use with Automake to generate Makefile.in.
ckconfig.cProgram to generate jconfig.h on non-Unix systems.
jconfig.txtTemplate for making jconfig.h by hand.
mak*.*Sample makefiles for particular systems.
jconfig.*Sample jconfig.h for particular systems.
libjpeg.mapScript to generate shared library with versioned symbols.
libjpeg.pc.inlibjpeg.pc pkg-config file input for configure.
aclocal.m4M4 macro definitions for use with Autoconf.

Test files (see install.txt for test procedure):

test*.*Source and comparison files for confidence test.
These are binary image files, NOT text files.

Found in path(s):
* /opt/cola/permits/1103550007_160577850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/filelist.txt
No license file was found, but licenses were detected in source scan.

/*
 * jcoefct.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the coefficient buffer controller for compression.
* This controller is the top level of the JPEG compressor proper.
* The coefficient buffer lies between forward-DCT and entropy encoding steps.
*/

Found in path(s):
*/opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jccoefct.c

No license file was found, but licenses were detected in source scan.

/*
jmemnobs.c
*
* Copyright (C) 1992-1996, Thomas G. Lane.
* Modified 2019 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file provides a really simple implementation of the system-
* dependent portion of the JPEG memory manager. This implementation
* assumes that no backing-store files are needed: all required space
* can be obtained from malloc().
* This is very portable in the sense that it'll compile on almost anything,
* but you'd better have lots of main memory (or virtual memory) if you want
* to process big images.
* Note that the max_memory_to_use option is respected by this implementation.
*/

Found in path(s):
*/opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jmemnobs.c

No license file was found, but licenses were detected in source scan.

/*
jdtrans.c
*
* Copyright (C) 1995-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains library routines for transcoding decompression,
* that is, reading raw DCT coefficient arrays from an input JPEG file.
* The routines in jdapimin.c will also be needed by a transcoder.
*/

Found in path(s):
*/opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdtrans.c

No license file was found, but licenses were detected in source scan.
jdcoeft.c

* Copyright (C) 1994-1997, Thomas G. Lane.
* Modified 2002-2011 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the coefficient buffer controller for decompression.
* This controller is the top level of the JPEG decompressor proper.
* The coefficient buffer lies between entropy decoding and inverse-DCT steps.
* In buffered-image mode, this controller is the interface between
* input-oriented processing and output-oriented processing.
* Also, the input side (only) is used when reading a file for transcoding.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdcoeft.c
No license file was found, but licenses were detected in source scan.

/*
* jcparam.c
*
* Copyright (C) 1991-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains optional default-setting code for the JPEG compressor.
* Applications do not have to use this file, but those that don't use it
* must know a lot more about the innards of the JPEG code.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jcparam.c
No license file was found, but licenses were detected in source scan.

/*
* wrgif.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to write output images in GIF format.
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*/
/*
* This code is loosely based on ppmtogif from the PBMPPLUS distribution
* of Feb. 1991. That file contains the following copyright notice:
* Based on GIFENCODE by David Rowley <mgardi@watdscu.waterloo.edu>
* Lempel-Ziv compression based on "compress" by Spencer W. Thomas et al.
* Copyright (C) 1989 by Jef Poskanzer.
* Permission to use, copy, modify, and distribute this software and its
* documentation for any purpose and without fee is hereby granted, provided
* that the above copyright notice appear in all copies and that both that
* copyright notice and this permission notice appear in supporting
* documentation. This software is provided "as is" without express or
* implied warranty.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/wrgif.c
No license file was found, but licenses were detected in source scan.

/*/ 
* jdinput.c

* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2002-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains input control logic for the JPEG decompressor.
* These routines are concerned with controlling the decompressor's input
* processing (marker reading and coefficient decoding). The actual input
* reading is done in jdmarker.c, jdhuff.c, and jdarith.c.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdinput.c
No license file was found, but licenses were detected in source scan.

/*/ 
* rdtarga.c

* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to read input images in Targa format.
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed Targa format).
*
* Based on code contributed by Lee Daniel Crocker.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/rdtarga.c

No license file was found, but licenses were detected in source scan.

/*
 * jcdctmgr.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the forward-DCT management logic.
 * This code selects a particular DCT implementation to be used,
 * and it performs related housekeeping chores including coefficient
 * quantization.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jcdctmgr.c

No license file was found, but licenses were detected in source scan.

/*
 * jmemansi.c
 *
 * Copyright (C) 1992-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file provides a simple generic implementation of the system-
 * dependent portion of the JPEG memory manager. This implementation
 * assumes that you have the ANSI-standard library routine tmpfile().
 * Also, the problem of determining the amount of memory available
 * is shoved onto the user.
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*
 * jerror.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains simple error-reporting and trace-message routines.
 * These are suitable for Unix-like systems and others where writing to
 * stderr is the right thing to do. Many applications will want to replace
 * some or all of these routines.
 *
 * If you define USE_WINDOWS_MESSAGEBOX in jconfig.h or in the makefile,
 * you get a Windows-specific hack to display error messages in a dialog box.
 * It ain't much, but it beats dropping error messages into the bit bucket,
 * which is what happens to output to stderr under most Windows C compilers.
 *
 * These routines are used by both the compression and decompression code.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.470/jpegsrc-v9d-tar-gz/jpeg-9d/jerror.c
No license file was found, but licenses were detected in source scan.

/*
 * cdjpeg.h
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modified 2019 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains common declarations for the sample applications
 * cjpeg and djpeg. It is NOT used by the core JPEG library.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.470/jpegsrc-v9d-tar-gz/jpeg-9d/cdjpeg.h
No license file was found, but licenses were detected in source scan.

/*
 * jdpostct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 */
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the decompression postprocessing controller.
* This controller manages the upsampling, color conversion, and color
* quantization/reduction steps; specifically, it controls the buffering
* between upsample/color conversion and color quantization/reduction.
*
* If no color quantization/reduction is required, then this module has no
* work to do, and it just hands off to the upsample/color conversion code.
* An integrated upsample/convert/quantize process would replace this module
* entirely.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdpostct.c
No license file was found, but licenses were detected in source scan.

/*
 * jdmarker.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to decode JPEG datastream markers.
 * Most of the complexity arises from our desire to support input
 * suspension: if not all of the data for a marker is available,
 * we must exit back to the application. On resumption, we reprocess
 * the marker.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jdmarker.c
No license file was found, but licenses were detected in source scan.

/ *
 * jmemmac.c
 *
 * Copyright (C) 1992-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * jmemmac.c provides an Apple Macintosh implementation of the system-
 * dependent portion of the JPEG memory manager.
 *
 * If you use jmemmac.c, then you must define USE_MAC_MEMMGR in the
* JPEG İntERNALS part of jconfig.h.

* jmemmac.c uses the Macintosh toolbox routines NewPtr and DisposePtr
* instead of malloc and free. It accurately determines the amount of
* memory available by using CompactMem. Notice that if left to its
* own devices, this code can chew up all available space in the
* application's zone, with the exception of the rather small "slop"
* factor computed in jpeg_mem_available(). The application can ensure
* that more space is left over by reducing max_memory_to_use.

* Large images are swapped to disk using temporary files and System 7.0+'s
* temporary folder functionality.

* Note that jmemmac.c depends on two features of MacOS that were first
* introduced in System 7: FindFolder and the FSSpec-based calls.
* If your application uses jmemmac.c and is run under System 6 or earlier,
* and the jpeg library decides it needs a temporary file, it will abort,
* printing error messages about requiring System 7. (If no temporary files
* are created, it will run fine.)

* If you want to use jmemmac.c in an application that might be used with
* System 6 or earlier, then you should remove dependencies on FindFolder
* and the FSSpec calls. You will need to replace FindFolder with some
* other mechanism for finding a place to put temporary files, and you
* should replace the FSSpec calls with their HFS equivalents:
* 
* FSpDelete     ->  HDelete
* FSpGetFInfo   ->  HGetFInfo
* FSpCreate     ->  HCreate
* FSpOpenDF     ->  HOpen  *** Note: not HOpenDF ***
* FSMakeFSSpec  ->  (fill in spec by hand.)

* (Use HOpen instead of HOpenDF. HOpen is just a glue-interface to PBHOpen,
* which is on all HFS macs. HOpenDF is a System 7 addition which avoids the
* ages-old problem of names starting with a period.)

* Contributed by Sam Bushell (jsam@iagu.on.net) and
* Dan Gildor (gyld@in-touch.com).
* /

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jmemmac.c
No license file was found, but licenses were detected in source scan.

The Independent JPEG Group's JPEG software

==========================================

README for release 9d of 12-Jan-2020
This distribution contains the ninth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

This software is the work of Tom Lane, Guido Vollbeding, Philip Gladstone, Bill Allombert, Jim Boucher, Lee Crocker, Bob Friesenhahn, Ben Jackson, John Korejwa, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the ISO/IEC JTC1/SC29/WG1 standards committee (previously known as JPEG, together with ITU-T SG16).

DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
ACKNOWLEDGMENTS Special thanks.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.txt How to configure and install the IJG software.
usage.txt Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.txt).
wizard.txt Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.txt How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.txt Overview of the JPEG library's internal structure.
filelist.txt Road map of IJG files.
coderules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.
If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and grayscale images.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

We welcome the use of this software as a component of commercial products. No royalty is required, but we do ask for an acknowledgement in product documentation, as described under LEGAL ISSUES.

LEGAL ISSUES
==============
In plain English:

1. We don't promise that this software works. (But if you find any bugs, please let us know!)
2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-2020, Thomas G. Lane, Guido Vollbeding. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:
(1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.
The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

REFERENCES
==========

We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PDF file containing a revised version of Wallace's article is available at http://www.ijg.org/files/Wallace.JPEG.pdf. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). Although this is by far the most detailed and comprehensive exposition of JPEG publicly available, we point out that it is still missing an explanation of the most essential properties and algorithms of the underlying DCT technology.

If you think that you know about DCT-based JPEG after reading this book, then you are in delusion. The real fundamentals and corresponding potential of DCT-based JPEG are not publicly known so far, and that is the reason for all the mistaken developments taking place in the image coding domain.


IJG JPEG 9 introduces a reversible color transform for improved lossless compression which is described in a contributed document ISO/IEC JTC1/SC29/WG1 N 6080 with title "JPEG 9 Lossless Coding", June/July 2012, Paris, France.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, version 2. JFIF version 1 has been adopted as Recommendation ITU-T T.871 (05/2011) : Information technology - Digital compression and coding of continuous-tone still images: JPEG File Interchange Format (JFIF). It is available as a free download in PDF file format from http://www.itu.int/rec/T-REC-T.871. A PDF file of the older JFIF document is available at http://www.w3.org/Graphics/JPEG/jfif3.pdf.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from http://www.iijg.org/files/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

ARCHIVE LOCATIONS

The "official" archive site for this software is www.iijg.org. The most recent released version can always be found there in directory "files". This particular version will be archived as http://www.iijg.org/files/jpegsrc.v9d.tar.gz, and in Windows-compatible "zip" archive format as http://www.iijg.org/files/jpegsr9d.zip.
The JPEG FAQ (Frequently Asked Questions) article is a source of some
general information about JPEG.
It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/
and other news.answers archive sites, including the official news.answers
If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu
with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

ACKNOWLEDGMENTS
===============

Thank to Juergen Bruder for providing me with a copy of the common DCT
algorithm article, only to find out that I had come to the same result
in a more direct and comprehensible way with a more generative approach.

Thank to Istvan Sebestyen and Joan L. Mitchell for inviting me to the
ITU JPEG (Study Group 16) meeting in Geneva, Switzerland.

Thank to Thomas Wiegand and Gary Sullivan for inviting me to the
Joint Video Team (MPEG & ITU) meeting in Geneva, Switzerland.

Thank to Thomas Richter and Daniel Lee for inviting me to the
ISO/IEC JTC1/SC29/WG1 (previously known as JPEG, together with ITU-T SG16)
meeting in Berlin, Germany.

Thank to John Korejwa and Massimo Ballerini for inviting me to
fruitful consultations in Boston, MA and Milan, Italy.

Thank to Hendrik Elstner, Roland Fassauer, Simone Zuck, Guenther
Maier-Gerber, Walter Stoebner, Fred Schmitz, and Norbert Braunagel
for corresponding business development.

Thank to Niko Zschach and Dirk Stelling of the technical support team
at the Digital Images company in Halle for providing me with extra
equipment for configuration tests.

Thank to Richard F. Lyon (then of Foveon Inc.) for fruitful
communication about JPEG configuration in Sigma Photo Pro software.

Thank to Andrew Finkenstadt for hosting the iig.org site.

Thank to Thomas G. Lane for the original design and development of
this singular software package.

Thank to Lars Goehler, Andreas Heinecke, Sebastian Fuss, Yvonne Roebert,
Andrej Werner, and Ulf-Dietrich Braumann for support and public relations.

FILE FORMAT WARS
================

The ISO/IEC JTC1/SC29/WG1 standards committee (previously known as JPEG, together with ITU-T SG16) currently promotes different formats containing the name "JPEG" which is misleading because these formats are incompatible with original DCT-based JPEG and are based on faulty technologies. IJG therefore does not and will not support such momentary mistakes (see REFERENCES).

There exist also distributions under the name “OpenJPEG” promoting such kind of formats which is misleading because they don't support original JPEG images.

We have no sympathy for the promotion of inferior formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files.

Don't use an incompatible file format!
(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

The ISO committee pretends to be "responsible for the popular JPEG" in their public reports which is not true because they don't respond to actual requirements for the maintenance of the original JPEG specification.

Furthermore, the ISO committee pretends to “ensure interoperability” with their standards which is not true because their "standards" support only application-specific and proprietary use cases and contain mathematically incorrect code.

There are currently different distributions in circulation containing the name "libjpeg" which is misleading because they don't have the features and are incompatible with formats supported by actual IJG libjpeg distributions.

One of those fakes is released by members of the ISO committee and just uses the name of libjpeg for misdirection of people, similar to the abuse of the name JPEG as described above, while having nothing in common with actual IJG libjpeg distributions and containing mathematically incorrect code.

The other one claims to be a "derivative" or "fork" of the original libjpeg, but violates the license conditions as described under LEGAL ISSUES above and violates basic C programming properties.

We have no sympathy for the release of misleading, incorrect and illegal distributions derived from obsolete code bases.

Don't use an obsolete code base!

According to the UCC (Uniform Commercial Code) law, IJG has the lawful and legal right to foreclose on certain standardization bodies and other institutions or corporations that knowingly perform substantial and systematic deceptive acts and practices, fraud, theft, and damaging of the
value of the people of this planet without their knowing, willing and
intentional consent.
The titles, ownership, and rights of these institutions and all their assets
are now duly secured and held in trust for the free people of this planet.
People of the planet, on every country, may have a financial interest in
the assets of these former principals, agents, and beneficiaries of the
foreclosed institutions and corporations.
IJG asserts what is: that each man, woman, and child has unalienable value
and rights granted and deposited in them by the Creator and not any one of
the people is subordinate to any artificial principality, corporate fiction
or the special interest of another without their appropriate knowing,
willing and intentional consent made by contract or accommodation agreement.
IJG expresses that which already was.
The people have already determined and demanded that public administration
entities, national governments, and their supporting judicial systems must
be fully transparent, accountable, and liable.
IJG has secured the value for all concerned free people of the planet.

A partial list of foreclosed institutions and corporations ("Hall of Shame")
is currently prepared and will be published later.

TO DO
======

Version 9 is the second release of a new generation JPEG standard
to overcome the limitations of the original JPEG specification,
and is the first true source reference JPEG codec.
More features are being prepared for coming releases...

Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

Found in path(s):
* /opt/cola/permits/1103500007_160577850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/README
No license file was found, but licenses were detected in source scan.

/*
 * cjpeg.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a command-line user interface for the JPEG compressor.
 * It should work on any system with Unix- or MS-DOS-style command lines.
 *
 * Two different command line styles are permitted, depending on the
* compile-time switch TWO_FILE_COMMANDLINE:
  *cjpeg [options] inputfile outputfile
  *cjpeg [options] [inputfile]
  * In the second style, output is always to standard output, which you’d
  * normally redirect to a file or pipe to some other program. Input is
  * either from a named file or from standard input (typically redirected).
  * The second style is convenient on Unix but is unhelpful on systems that
  * don't support pipes. Also, you MUST use the first style if your system
  * doesn't do binary I/O to stdin/stdout.
  * To simplify script writing, the "-outfile" switch is provided. The syntax
  *cjpeg [options] -outfile outputfile inputfile
  * works regardless of which command line style is used.
  */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/cjpeg.c
No license file was found, but licenses were detected in source scan.

/*
 * transupp.h
 *
 * Copyright (C) 1997-2019, Thomas G. Lane, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains declarations for image transformation routines and
 * other utility code used by the jpegtran sample application. These are
 * NOT part of the core JPEG library. But we keep these routines separate
 * from jpegtran.c to ease the task of maintaining jpegtran-like programs
 * that have other user interfaces.
 *
 * NOTE: all the routines declared here have very specific requirements
 * about when they are to be executed during the reading and writing of the
 * source and destination files. See the comments in transupp.c, or see
 * jpegtran.c for an example of correct usage.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/transupp.h
No license file was found, but licenses were detected in source scan.

/*
 * cerror.h
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
This file defines the error and message codes for the cjpeg/djpeg applications. These strings are not needed as part of the JPEG library proper.
Edit this file to add new codes, or to translate the message strings to some other language.

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/cderror.h

No license file was found, but licenses were detected in source scan.

This file contains 1-pass color quantization (color mapping) routines.
These routines provide mapping to a fixed color map using equally spaced color values. Optional Floyd-Steinberg or ordered dithering is available.

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jquant1.c

No license file was found, but licenses were detected in source scan.

This file contains routines to write output images in Microsoft "BMP" format (MS Windows 3.x and OS/2 1.x flavors).
Either 8-bit colormapped or 24-bit full-color format can be written.
No compression is supported.

These routines may need modification for non-Unix environments or specialized applications. As they stand, they assume output to an ordinary stdout stream.

This code contributed by James Arthur Boucher.

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/wrbmp.c
No license file was found, but licenses were detected in source scan.

/*
 * jddctmgr.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modified 2002-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the inverse-DCT management logic.
 * This code selects a particular IDCT implementation to be used,
 * and it performs related housekeeping chores. No code in this file
 * is executed per IDCT step, only during output pass setup.
 *
 * Note that the IDCT routines are responsible for performing coefficient
 * dequantization as well as the IDCT proper. This module sets up the
 * dequantization multiplier table needed by the IDCT routine.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jddctmgr.c
No license file was found, but licenses were detected in source scan.

/*
 * jmemname.c
 *
 * Copyright (C) 1992-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file provides a generic implementation of the system-dependent
 * portion of the JPEG memory manager. This implementation assumes that
 * you must explicitly construct a name for each temp file.
 * Also, the problem of determining the amount of memory available
 * is shoved onto the user.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jmemname.c
No license file was found, but licenses were detected in source scan.

/*
 * jpegtran.c
 */
* Copyright (C) 1995-2019, Thomas G. Lane, Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a command-line user interface for JPEG transcoding.
* It is very similar to cjpeg.c, and partly to djpeg.c, but provides
* lossless transcoding between different JPEG file formats. It also
* provides some lossless and sort-of-lossless transformations of JPEG data.
*/

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/jpegtran.c
No license file was found, but licenses were detected in source scan.

/*
 * wrppm.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in PPM/PGM format.
 * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
 * The PBMPPLUS library is NOT required to compile this software
 * (but it is highly useful as a set of PPM image manipulation programs).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 */

Found in path(s):
* /opt/cola/permits/1103550007_1605777850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/wrppm.c
No license file was found, but licenses were detected in source scan.

USING THE IJG JPEG LIBRARY

Copyright (C) 1994-2019, Thomas G. Lane, Guido Vollbeding.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file describes how to use the IJG JPEG library within an application
program. Read it if you want to write a program that uses the library.

The file example.c provides heavily commented skeleton code for calling the
JPEG library. Also see jpeglib.h (the include file to be used by application
Note that there have been *major* changes from the application interface presented by IJG version 4 and earlier versions. The old design had several inherent limitations, and it had accumulated a lot of cruft as we added features while trying to minimize application-interface changes. We have sacrificed backward compatibility in the version 5 rewrite, but we think the improvements justify this.

### OVERVIEW

You should read at least the overview and basic usage sections before trying to program with the library. The sections on advanced features can be read if and when you need them.
Functions provided by the library
---------------------------------

The IJG JPEG library provides C code to read and write JPEG-compressed image files. The surrounding application program receives or supplies image data a scanline at a time, using a straightforward uncompressed image format. All details of color conversion and other preprocessing/postprocessing can be handled by the library.

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. The application indirectly selects use of this code by specifying the format in which it wishes to supply or receive image data. For example, if colormapped output is requested, then the decompression library automatically invokes color quantization.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

A word about functions *not* provided by the library. We handle a subset of the ISO JPEG standard; most baseline, extended-sequential, and progressive JPEG processes are supported. (Our subset includes all features now in common use.) Unsupported ISO options include:
* Hierarchical storage
* Lossless JPEG
* DNL marker
* Nonintegral subsampling ratios

We support 8-bit to 12-bit data precision, but this is a compile-time choice rather than a run-time choice; hence it is difficult to use different precisions in a single application.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, this library is used by the free LIBTIFF library to support JPEG compression in TIFF.)
Outline of typical usage

------------------------

The rough outline of a JPEG compression operation is:

Allocate and initialize a JPEG compression object
Specify the destination for the compressed data (eg, a file)
Set parameters for compression, including image size & colorspace
jpeg_start_compress(...);
while (scan lines remain to be written)
jpeg_write_scanlines(...);
jpeg_finish_compress(...);
Release the JPEG compression object

A JPEG compression object holds parameters and working state for the JPEG library. We make creation/destruction of the object separate from starting or finishing compression of an image; the same object can be re-used for a series of image compression operations. This makes it easy to re-use the same parameter settings for a sequence of images. Re-use of a JPEG object also has important implications for processing abbreviated JPEG datastreams, as discussed later.

The image data to be compressed is supplied to jpeg_write_scanlines() from in-memory buffers. If the application is doing file-to-file compression, reading image data from the source file is the application's responsibility. The library emits compressed data by calling a "data destination manager", which typically will write the data into a file; but the application can provide its own destination manager to do something else.

Similarly, the rough outline of a JPEG decompression operation is:

Allocate and initialize a JPEG decompression object
Specify the source of the compressed data (eg, a file)
Call jpeg_read_header() to obtain image info
Set parameters for decompression
jpeg_start_decompress(...);
while (scan lines remain to be read)
jpeg_read_scanlines(...);
jpeg_finish_decompress(...);
Release the JPEG decompression object

This is comparable to the compression outline except that reading the datastream header is a separate step. This is helpful because information about the image's size, colorspace, etc is available when the application selects decompression parameters. For example, the application can choose an output scaling ratio that will fit the image into the available screen size.

The decompression library obtains compressed data by calling a data source
manager, which typically will read the data from a file; but other behaviors can be obtained with a custom source manager. Decompressed data is delivered into in-memory buffers passed to jpeg_read_scanlines().

It is possible to abort an incomplete compression or decompression operation by calling jpeg_abort(); or, if you do not need to retain the JPEG object, simply release it by calling jpeg_destroy().

JPEG compression and decompression objects are two separate struct types. However, they share some common fields, and certain routines such as jpeg_destroy() can work on either type of object.

The JPEG library has no static variables: all state is in the compression or decompression object. Therefore it is possible to process multiple compression and decompression operations concurrently, using multiple JPEG objects.

Both compression and decompression can be done in an incremental memory-to-memory fashion, if suitable source/destination managers are used. See the section on "I/O suspension" for more details.

BASIC LIBRARY USAGE
===================

Data formats
-------------

Before diving into procedural details, it is helpful to understand the image data format that the JPEG library expects or returns.

The standard input image format is a rectangular array of pixels, with each pixel having the same number of "component" or "sample" values (color channels). You must specify how many components there are and the colorspace interpretation of the components. Most applications will use RGB data (three components per pixel) or grayscale data (one component per pixel). PLEASE NOTE THAT RGB DATA IS THREE SAMPLES PER PIXEL, GRAYSCALE ONLY ONE. A remarkable number of people manage to miss this, only to find that their programs don't work with grayscale JPEG files.

There is no provision for colormapped input. JPEG files are always full-color or full grayscale (or sometimes another colorspace such as CMYK). You can feed in a colormapped image by expanding it to full-color format. However JPEG often doesn't work very well with source data that has been colormapped, because of dithering noise. This is discussed in more detail in the JPEG FAQ and the other references mentioned in the README file.

Pixels are stored by scanlines, with each scanline running from left to
right. The component values for each pixel are adjacent in the row; for example, R,G,B,R,G,B,R,G,B,... for 24-bit RGB color. Each scanline is an array of data type JSAMPLE --- which is typically "unsigned char", unless you've changed jmorecfg.h. (You can also change the RGB pixel layout, say to B,G,R order, by modifying jmorecfg.h. But see the restrictions listed in that file before doing so.)

A 2-D array of pixels is formed by making a list of pointers to the starts of scanlines; so the scanlines need not be physically adjacent in memory. Even if you process just one scanline at a time, you must make a one-element pointer array to conform to this structure. Pointers to JSAMPLE rows are of type JSAMPROW, and the pointer to the pointer array is of type JSAMPARRAY.

The library accepts or supplies one or more complete scanlines per call. It is not possible to process part of a row at a time. Scanlines are always processed top-to-bottom. You can process an entire image in one call if you have it all in memory, but usually it's simplest to process one scanline at a time.

For best results, source data values should have the precision specified by BITS_IN_JSAMPLE (normally 8 bits). For instance, if you choose to compress data that's only 6 bits/channel, you should left-justify each value in a byte before passing it to the compressor. If you need to compress data that has more than 8 bits/channel, compile with BITS_IN_JSAMPLE = 9 to 12. (See "Library compile-time options", later.)

The data format returned by the decompressor is the same in all details, except that colormapped output is supported. (Again, a JPEG file is never colormapped. But you can ask the decompressor to perform on-the-fly color quantization to deliver colormapped output.) If you request colormapped output then the returned data array contains a single JSAMPLE per pixel; its value is an index into a color map. The color map is represented as a 2-D JSAMPARRAY in which each row holds the values of one color component, that is, colormap[i][j] is the value of the i'th color component for pixel value (map index) j. Note that since the colormap indexes are stored in JSAMPLEs, the maximum number of colors is limited by the size of JSAMPLE (ie, at most 256 colors for an 8-bit JPEG library).

Compression details
-------------------

Here we revisit the JPEG compression outline given in the overview.

1. Allocate and initialize a JPEG compression object.

A JPEG compression object is a "struct jpeg_compress_struct". (It also has
a bunch of subsidiary structures which are allocated via malloc(), but the application doesn't control those directly.) This struct can be just a local variable in the calling routine, if a single routine is going to execute the whole JPEG compression sequence. Otherwise it can be static or allocated from malloc().

You will also need a structure representing a JPEG error handler. The part of this that the library cares about is a "struct jpeg_error_mgr". If you are providing your own error handler, you'll typically want to embed the jpeg_error_mgr struct in a larger structure; this is discussed later under "Error handling". For now we'll assume you are just using the default error handler. The default error handler will print JPEG error/warning messages on stderr, and it will call exit() if a fatal error occurs.

You must initialize the error handler structure, store a pointer to it into the JPEG object's "err" field, and then call jpeg_create_compress() to initialize the rest of the JPEG object.

Typical code for this step, if you are using the default error handler, is

```c
struct jpeg_compress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_compress(&cinfo);
```

jpeg_create_compress allocates a small amount of memory, so it could fail if you are out of memory. In that case it will exit via the error handler; that's why the error handler must be initialized first.

2. Specify the destination for the compressed data (eg, a file).

As previously mentioned, the JPEG library delivers compressed data to a "data destination" module. The library includes one data destination module which knows how to write to a stdio stream. You can use your own destination module if you want to do something else, as discussed later.

If you use the standard destination module, you must open the target stdio stream beforehand. Typical code for this step looks like:

```c
FILE * outfile;
...
if ((outfile = fopen(filename, "wb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_dest(&cinfo, outfile);
```
where the last line invokes the standard destination module.

WARNING: it is critical that the binary compressed data be delivered to the output file unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You can select the data destination after setting other parameters (step 3), if that's more convenient. You may not change the destination between calling jpeg_start_compress() and jpeg_finish_compress().

3. Set parameters for compression, including image size & colorspace.

You must supply information about the source image by setting the following fields in the JPEG object (cinfo structure):

- image_width: Width of image, in pixels
- image_height: Height of image, in pixels
- input_components: Number of color channels (samples per pixel)
- in_color_space: Color space of source image

The image dimensions are, hopefully, obvious. JPEG supports image dimensions of 1 to 64K pixels in either direction. The input color space is typically RGB or grayscale, and input_components is 3 or 1 accordingly. (See "Special color spaces", later, for more info.) The in_color_space field must be assigned one of the J_COLOR_SPACE enum constants, typically JCS_RGB or JCS_GRAYSCALE.

JPEG has a large number of compression parameters that determine how the image is encoded. Most applications don't need or want to know about all these parameters. You can set all the parameters to reasonable defaults by calling jpeg_set_defaults(); then, if there are particular values you want to change, you can do so after that. The "Compression parameter selection" section tells about all the parameters.

You must set in_color_space correctly before calling jpeg_set_defaults(), because the defaults depend on the source image colorspace. However the other three source image parameters need not be valid until you call jpeg_start_compress(). There's no harm in calling jpeg_set_defaults() more than once, if that happens to be convenient.

Typical code for a 24-bit RGB source image is

```c
int cinfo = { /* JPEG structure */ };

/* image width and height, in pixels */
cinfo.image_width = Width;
```
cinfo.image_height = Height;
cinfo.input_components = 3;/* # of color components per pixel */
cinfo.in_color_space = JCS_RGB; /* colorspace of input image */

jpeg_set_defaults(&cinfo);
/* Make optional parameter settings here */

4. jpeg_start_compress(...);

After you have established the data destination and set all the necessary
source image info and other parameters, call jpeg_start_compress() to begin
a compression cycle. This will initialize internal state, allocate working
storage, and emit the first few bytes of the JPEG datastream header.

Typical code:

jpeg_start_compress(&cinfo, TRUE);

The "TRUE" parameter ensures that a complete JPEG interchange datastream
will be written. This is appropriate in most cases. If you think you might
want to use an abbreviated datastream, read the section on abbreviated
datastreams, below.

Once you have called jpeg_start_compress(), you may not alter any JPEG
parameters or other fields of the JPEG object until you have completed
the compression cycle.

5. while (scan lines remain to be written)
jpeg_write_scanlines(...);

Now write all the required image data by calling jpeg_write_scanlines()
one or more times. You can pass one or more scanlines in each call, up
to the total image height. In most applications it is convenient to pass
just one or a few scanlines at a time. The expected format for the passed
data is discussed under "Data formats", above.

Image data should be written in top-to-bottom scanline order. The JPEG spec
contains some weasel wording about how top and bottom are application-defined
terms (a curious interpretation of the English language...) but if you want
your files to be compatible with everyone else's, you WILL use top-to-bottom
order. If the source data must be read in bottom-to-top order, you can use
the JPEG library's virtual array mechanism to invert the data efficiently.
Examples of this can be found in the sample application cjpeg.

The library maintains a count of the number of scanlines written so far
in the next_scanline field of the JPEG object. Usually you can just use
this variable as the loop counter, so that the loop test looks like
"while (cinfo.next_scanline < cinfo.image_height)".

Code for this step depends heavily on the way that you store the source data.
example.c shows the following code for the case of a full-size 2-D source
array containing 3-byte RGB pixels:

\begin{verbatim}
JSAMPROW row_pointer[1]; /* pointer to a single row */
int row_stride; /* physical row width in buffer */

row_stride = image_width * 3; /* JSAMPLEs per row in image_buffer */

while (cinfo.next_scanline < cinfo.image_height) {
  row_pointer[0] = & image_buffer[cinfo.next_scanline * row_stride];
  jpeg_write_scanlines(&cinfo, row_pointer, 1);
}
\end{verbatim}

\texttt{jpeg_write_scanlines()} returns the number of scanlines actually written.
This will normally be equal to the number passed in, so you can usually
ignore the return value.  It is different in just two cases:
* If you try to write more scanlines than the declared image height,
  the additional scanlines are ignored.
* If you use a suspending data destination manager, output buffer overrun
  will cause the compressor to return before accepting all the passed lines.
  This feature is discussed under "I/O suspension", below.  The normal
  stdio destination manager will NOT cause this to happen.
In any case, the return value is the same as the change in the value of
\texttt{next_scanline}.

6. \texttt{jpeg_finish_compress}(...);

After all the image data has been written, call \texttt{jpeg_finish_compress()} to
complete the compression cycle.  This step is ESSENTIAL to ensure that the
last bufferload of data is written to the data destination.
\texttt{jpeg_finish_compress()} also releases working memory associated with the JPEG
object.

Typical code:

\texttt{jpeg_finish_compress(&cinfo)};

If using the stdio destination manager, don't forget to close the output
stdio stream (if necessary) afterwards.

If you have requested a multi-pass operating mode, such as Huffman code
optimization, \texttt{jpeg_finish_compress()} will perform the additional passes using
data buffered by the first pass.  In this case \texttt{jpeg_finish_compress()} may take
quite a while to complete. With the default compression parameters, this will not happen.

It is an error to call jpeg_finish_compress() before writing the necessary total number of scanlines. If you wish to abort compression, call jpeg_abort() as discussed below.

After completing a compression cycle, you may dispose of the JPEG object as discussed next, or you may use it to compress another image. In that case return to step 2, 3, or 4 as appropriate. If you do not change the destination manager, the new datastream will be written to the same target. If you do not change any JPEG parameters, the new datastream will be written with the same parameters as before. Note that you can change the input image dimensions freely between cycles, but if you change the input colorspace, you should call jpeg_set_defaults() to adjust for the new colorspace; and then you'll need to repeat all of step 3.

7. Release the JPEG compression object.

When you are done with a JPEG compression object, destroy it by calling jpeg_destroy_compress(). This will free all subsidiary memory (regardless of the previous state of the object). Or you can call jpeg_destroy(), which works for either compression or decompression objects --- this may be more convenient if you are sharing code between compression and decompression cases. (Actually, these routines are equivalent except for the declared type of the passed pointer. To avoid gripes from ANSI C compilers, jpeg_destroy() should be passed a j_common_ptr.)

If you allocated the jpeg_compress_struct structure from malloc(), freeing it is your responsibility --- jpeg_destroy() won't. Ditto for the error handler structure.

Typical code:

jpeg_destroy_compress(&cinfo);

8. Aborting.

If you decide to abort a compression cycle before finishing, you can clean up in either of two ways:

* If you don't need the JPEG object any more, just call jpeg_destroy_compress() or jpeg_destroy() to release memory. This is legitimate at any point after calling jpeg_create_compress() --- in fact, it's safe even if jpeg_create_compress() fails.
* If you want to re-use the JPEG object, call jpeg_abort_compress(), or call jpeg_abort() which works on both compression and decompression objects. This will return the object to an idle state, releasing any working memory. jpeg_abort() is allowed at any time after successful object creation.

Note that cleaning up the data destination, if required, is your responsibility; neither of these routines will call term_destination(). (See "Compressed data handling", below, for more about that.)

ejpeg_destroy() and jpeg_abort() are the only safe calls to make on a JPEG object that has reported an error by calling error_exit (see "Error handling" for more info). The internal state of such an object is likely to be out of whack. Either of these two routines will return the object to a known state.

Decompression details
----------------------

Here we revisit the JPEG decompression outline given in the overview.

1. Allocate and initialize a JPEG decompression object.

This is just like initialization for compression, as discussed above, except that the object is a "struct jpeg_decompress_struct" and you call jpeg_create_decompress(). Error handling is exactly the same.

Typical code:

```c
struct jpeg_decompress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_decompress(&cinfo);
```

(Both here and in the IJG code, we usually use variable name "cinfo" for both compression and decompression objects.)

2. Specify the source of the compressed data (eg, a file).

As previously mentioned, the JPEG library reads compressed data from a "data source" module. The library includes one data source module which knows how to read from a stdio stream. You can use your own source module if you want to do something else, as discussed later.

If you use the standard source module, you must open the source stdio stream beforehand. Typical code for this step looks like:
FILE * infile;
...
if ((infile = fopen(filename, "rb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_src(&cinfo, infile);

where the last line invokes the standard source module.

WARNING: it is critical that the binary compressed data be read unchanged.
On non-Unix systems the stdio library may perform newline translation or
otherwise corrupt binary data. To suppress this behavior, you may need to use
a "b" option to fopen (as shown above), or use setmode() or another routine to
put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that
has been found to work on many systems.

You may not change the data source between calling jpeg_read_header() and
jpeg_finish_decompress(). If you wish to read a series of JPEG images from
a single source file, you should repeat the jpeg_read_header() to
jpeg_finish_decompress() sequence without reinitializing either the JPEG
object or the data source module; this prevents buffered input data from
being discarded.

3. Call jpeg_read_header() to obtain image info.

Typical code for this step is just

jpeg_read_header(&cinfo, TRUE);

This will read the source datastream header markers, up to the beginning
of the compressed data proper. On return, the image dimensions and other
info have been stored in the JPEG object. The application may wish to
consult this information before selecting decompression parameters.

More complex code is necessary if
* A suspending data source is used --- in that case jpeg_read_header()
  may return before it has read all the header data. See "I/O suspension",
  below. The normal stdio source manager will NOT cause this to happen.
* Abbreviated JPEG files are to be processed --- see the section on
  abbreviated datastreams. Standard applications that deal only in
  interchange JPEG files need not be concerned with this case either.

It is permissible to stop at this point if you just wanted to find out the
image dimensions and other header info for a JPEG file. In that case,
call jpeg_destroy() when you are done with the JPEG object, or call
jpeg_abort() to return it to an idle state before selecting a new data
source and reading another header.

4. Set parameters for decompression.

`jpeg_read_header()` sets appropriate default decompression parameters based on the properties of the image (in particular, its colorspace). However, you may well want to alter these defaults before beginning the decompression. For example, the default is to produce full color output from a color file. If you want colormapped output you must ask for it. Other options allow the returned image to be scaled and allow various speed/quality tradeoffs to be selected. "Decompression parameter selection", below, gives details.

If the defaults are appropriate, nothing need be done at this step.

Note that all default values are set by each call to `jpeg_read_header()`. If you reuse a decompression object, you cannot expect your parameter settings to be preserved across cycles, as you can for compression. You must set desired parameter values each time.

5. `jpeg_start_decompress(...);`

Once the parameter values are satisfactory, call `jpeg_start_decompress()` to begin decompression. This will initialize internal state, allocate working memory, and prepare for returning data.

Typical code is just

```c
jpeg_start_decompress(&cinfo);
```

If you have requested a multi-pass operating mode, such as 2-pass color quantization, `jpeg_start_decompress()` will do everything needed before data output can begin. In this case `jpeg_start_decompress()` may take quite a while to complete. With a single-scan (non progressive) JPEG file and default decompression parameters, this will not happen; `jpeg_start_decompress()` will return quickly.

After this call, the final output image dimensions, including any requested scaling, are available in the JPEG object; so is the selected colormap, if colormapped output has been requested. Useful fields include

- `output_width` image width and height, as scaled
- `output_height`
- `out_color_components`# of color components in `out_color_space`
- `output_components`# of color components returned per pixel
- `colormap` the selected colormap, if any
- `actual_number_of_colors` number of entries in colormap
output_components is 1 (a colormap index) when quantizing colors; otherwise it equals out_color_components. It is the number of JSAMPLE values that will be emitted per pixel in the output arrays.

Typically you will need to allocate data buffers to hold the incoming image. You will need output_width * output_components JSAMPLEs per scanline in your output buffer, and a total of output_height scanlines will be returned.

Note: if you are using the JPEG library's internal memory manager to allocate data buffers (as djpeg does), then the manager's protocol requires that you request large buffers *before* calling jpeg_start_decompress(). This is a little tricky since the output_XXX fields are not normally valid then. You can make them valid by calling jpeg_calc_output_dimensions() after setting the relevant parameters (scaling, output color space, and quantization flag).

6. while (scan lines remain to be read)
jpeg_read_scanlines(...);

Now you can read the decompressed image data by calling jpeg_read_scanlines() one or more times. At each call, you pass in the maximum number of scanlines to be read (ie, the height of your working buffer); jpeg_read_scanlines() will return up to that many lines. The return value is the number of lines actually read. The format of the returned data is discussed under "Data formats", above. Don't forget that grayscale and color JPEGs will return different data formats!

Image data is returned in top-to-bottom scanline order. If you must write out the image in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application djpeg.

The library maintains a count of the number of scanlines returned so far in the output_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.output_scanline < cinfo.output_height)". (Note that the test should NOT be against image_height, unless you never use scaling. The image_height field is the height of the original unscaled image.) The return value always equals the change in the value of output_scanline.

If you don't use a suspending data source, it is safe to assume that jpeg_read_scanlines() reads at least one scanline per call, until the bottom of the image has been reached.

If you use a buffer larger than one scanline, it is NOT safe to assume that jpeg_read_scanlines() fills it. (The current implementation returns only a few scanlines per call, no matter how large a buffer you pass.) So you must
always provide a loop that calls jpeg_read_scanlines() repeatedly until the whole image has been read.

7. jpeg_finish_decompress(...);

After all the image data has been read, call jpeg_finish_decompress() to complete the decompression cycle. This causes working memory associated with the JPEG object to be released.

Typical code:

jpeg_finish_decompress(&cinfo);

If using the stdio source manager, don't forget to close the source stdio stream if necessary.

It is an error to call jpeg_finish_decompress() before reading the correct total number of scanlines. If you wish to abort decompression, call jpeg_abort() as discussed below.

After completing a decompression cycle, you may dispose of the JPEG object as discussed next, or you may use it to decompress another image. In that case return to step 2 or 3 as appropriate. If you do not change the source manager, the next image will be read from the same source.

8. Release the JPEG decompression object.

When you are done with a JPEG decompression object, destroy it by calling jpeg_destroy_decompress() or jpeg_destroy(). The previous discussion of destroying compression objects applies here too.

Typical code:

jpeg_destroy_decompress(&cinfo);


You can abort a decompression cycle by calling jpeg_destroy_decompress() or jpeg_destroy() if you don't need the JPEG object any more, or jpeg_abort_decompress() or jpeg_abort() if you want to reuse the object. The previous discussion of aborting compression cycles applies here too.

Mechanics of usage: include files, linking, etc

-----------------------------------------------------------

Open Source Used In CSPC_Collector 2.9.1 8005
Applications using the JPEG library should include the header file jpeglib.h to obtain declarations of data types and routines. Before including jpeglib.h, include system headers that define at least the typedefs FILE and size_t. On ANSI-conforming systems, including <stdio.h> is sufficient; on older Unix systems, you may need <sys/types.h> to define size_t.

If the application needs to refer to individual JPEG library error codes, also include jerror.h to define those symbols.

jpeglib.h indirectly includes the files jconfig.h and jmorecfg.h. If you are installing the JPEG header files in a system directory, you will want to install all four files: jpeglib.h, jerror.h, jconfig.h, jmorecfg.h.

The most convenient way to include the JPEG code into your executable program is to prepare a library file (“libjpeg.a”, or a corresponding name on non-Unix machines) and reference it at your link step. If you use only half of the library (only compression or only decompression), only that much code will be included from the library, unless your linker is hopelessly brain-damaged. The supplied makefiles build libjpeg.a automatically (see install.txt).

While you can build the JPEG library as a shared library if the whim strikes you, we don't really recommend it. The trouble with shared libraries is that at some point you'll probably try to substitute a new version of the library without recompiling the calling applications. That generally doesn't work because the parameter struct declarations usually change with each new version. In other words, the library's API is *not* guaranteed binary compatible across versions; we only try to ensure source-code compatibility. (In hindsight, it might have been smarter to hide the parameter structs from applications and introduce a ton of access functions instead. Too late now, however.)

On some systems your application may need to set up a signal handler to ensure that temporary files are deleted if the program is interrupted. This is most critical if you are on MS-DOS and use the jmemdos.c memory manager back end; it will try to grab extended memory for temp files, and that space will NOT be freed automatically. See cjpeg.c or djpeg.c for an example signal handler.

It may be worth pointing out that the core JPEG library does not actually require the stdio library: only the default source/destination managers and error handler need it. You can use the library in a stdio-less environment if you replace those modules and use jmemnobs.c (or another memory manager of your own devising). More info about the minimum system library requirements may be found in jinclude.h.

ADVANCED FEATURES
=================
Compression parameter selection
--------------------------------------

This section describes all the optional parameters you can set for JPEG compression, as well as the "helper" routines provided to assist in this task. Proper setting of some parameters requires detailed understanding of the JPEG standard; if you don't know what a parameter is for, it's best not to mess with it! See REFERENCES in the README file for pointers to more info about JPEG.

It's a good idea to call jpeg_set_defaults() first, even if you plan to set all the parameters; that way your code is more likely to work with future JPEG libraries that have additional parameters. For the same reason, we recommend you use a helper routine where one is provided, in preference to twiddling cinfo fields directly.

The helper routines are:

jpeg_set_defaults (j_compress_ptr cinfo)
This routine sets all JPEG parameters to reasonable defaults, using only the input image's color space (field in_color_space, which must already be set in cinfo). Many applications will only need to use this routine and perhaps jpeg_set_quality().

jpeg_set_colorspace (j_compress_ptr cinfo, J_COLOR_SPACE colorspace)
Sets the JPEG file's colorspace (field jpeg_color_space) as specified, and sets other color-space-dependent parameters appropriately. See "Special color spaces", below, before using this. A large number of parameters, including all per-component parameters, are set by this routine; if you want to twiddle individual parameters you should call jpeg_set_colorspace() before rather than after.

jpeg_default_colorspace (j_compress_ptr cinfo)
Selects an appropriate JPEG colorspace based on cinfo->in_color_space, and calls jpeg_set_colorspace(). This is actually a subroutine of jpeg_set_defaults(). It's broken out in case you want to change just the colorspace-dependent JPEG parameters.

jpeg_set_quality (j_compress_ptr cinfo, int quality, boolean force_baseline)
Constructs JPEG quantization tables appropriate for the indicated quality setting. The quality value is expressed on the 0..100 scale recommended by IJG (cjpeg's "-quality" switch uses this routine). Note that the exact mapping from quality values to tables may change in future IJG releases as more is learned about DCT quantization. If the force_baseline parameter is TRUE, then the quantization table entries are constrained to the range 1..255 for full JPEG baseline compatibility. In the current implementation, this only makes a
difference for quality settings below 25, and it effectively prevents very small/low quality files from being generated. The IJG decoder is capable of reading the non-baseline files generated at low quality settings when force_baseline is FALSE, but other decoders may not be.

```c
jpeg_set_linear_quality (j_compress_ptr cinfo, int scale_factor, boolean force_baseline)
```
Same as jpeg_set_quality() except that the generated tables are the sample tables given in the JPEC spec section K.1, multiplied by the specified scale factor (which is expressed as a percentage; thus scale_factor = 100 reproduces the spec's tables). Note that larger scale factors give lower quality. This entry point is useful for conforming to the Adobe PostScript DCT conventions, but we do not recommend linear scaling as a user-visible quality scale otherwise. force_baseline again constrains the computed table entries to 1..255.

```c
int jpeg_quality_scaling (int quality)
```
Converts a value on the IJG-recommended quality scale to a linear scaling percentage. Note that this routine may change or go away in future releases --- IJG may choose to adopt a scaling method that can't be expressed as a simple scalar multiplier, in which case the premise of this routine collapses. Caveat user.

```c
jpeg_default_qtables (j_compress_ptr cinfo, boolean force_baseline)
```
Set default quantization tables with linear q_scale_factor[] values (see below).

```c
jpeg_add_quant_table (j_compress_ptr cinfo, int which_tbl, const unsigned int *basic_table, int scale_factor, boolean force_baseline)
```
Allows an arbitrary quantization table to be created. which_tbl indicates which table slot to fill. basic_table points to an array of 64 unsigned ints given in normal array order. These values are multiplied by scale_factor/100 and then clamped to the range 1..65535 (or to 1..255 if force_baseline is TRUE).

**CAUTION:** prior to library version 6a, jpeg_add_quant_table expected the basic table to be given in JPEG zigzag order. If you need to write code that works with either older or newer versions of this routine, you must check the library version number. Something like "#if JPEG_LIB_VERSION >= 61" is the right test.

```c
jpeg_simple_progression (j_compress_ptr cinfo)
```
Generates a default scan script for writing a progressive-JPEG file. This is the recommended method of creating a progressive file, unless you want to make a custom scan sequence. You must ensure that the JPEG color space is set correctly before calling this routine.
Compression parameters (cinfo fields) include:

boolean arith_code
If TRUE, use arithmetic coding.
If FALSE, use Huffman coding.

int block_size
Set DCT block size. All N from 1 to 16 are possible.
Default is 8 (baseline format).
Larger values produce higher compression,
smaller values produce higher quality.
An exact DCT stage is possible with 1 or 2.
With the default quality of 75 and default Luminance qtable
the DCT+Quantization stage is lossless for value 1.
Note that values other than 8 require a SmartScale capable decoder,
introduced with IJG JPEG 8. Setting the block_size parameter for
compression works with version 8c and later.

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are:
JDCT_ISLOW: slow but accurate integer algorithm
JDCT_IFAST: faster, less accurate integer method
JDCT_FLOAT: floating-point method
JDCT_DEFAULT: default method (normally JDCT_ISLOW)
JDCT_FASTEST: fastest method (normally JDCT_IFAST)
The FLOAT method is very slightly more accurate than the ISLOW method,
but may give different results on different machines due to varying
roundoff behavior. The integer methods should give the same results
on all machines. On machines with sufficiently fast FP hardware, the
floating-point method may also be the fastest. The IFAST method is
considerably less accurate than the other two; its use is not
recommended if high quality is a concern. JDCT_DEFAULT and
JDCT_FASTEST are macros configurable by each installation.

unsigned int scale_num, scale_denom
Scale the image by the fraction scale_num/scale_denom. Default is
1/1, or no scaling. Currently, the supported scaling ratios are
M/N with all N from 1 to 16, where M is the destination DCT size,
which is 8 by default (see block_size parameter above).
(The library design allows for arbitrary scaling ratios but this
is not likely to be implemented any time soon.)

J_COLOR_SPACE jpeg_color_space
int num_components
The JPEG color space and corresponding number of components; see
"Special color spaces", below, for more info. We recommend using
jpeg_set_colors() if you want to change these.
J_COLOR_TRANSFORM color_transform
Internal color transform identifier, writes LSE marker if nonzero
(requires decoder with inverse color transform support, introduced
with IJG JPEG 9).
Two values are currently possible: JCT_NONE and JCT_SUBTRACT_GREEN.
Set this value for lossless RGB application *before* calling
jpeg_set_colorspace(), because entropy table assignment in
jpeg_set_colorspace() depends on color_transform.

boolean optimize_coding
TRUE causes the compressor to compute optimal Huffman coding tables
for the image. This requires an extra pass over the data and
therefore costs a good deal of space and time. The default is
FALSE, which tells the compressor to use the supplied or default
Huffman tables. In most cases optimal tables save only a few percent
of file size compared to the default tables. Note that when this is
TRUE, you need not supply Huffman tables at all, and any you do
supply will be overwritten.

unsigned int restart_interval
int restart_in_rows
To emit restart markers in the JPEG file, set one of these nonzero.
Set restart_interval to specify the exact interval in MCU blocks.
Set restart_in_rows to specify the interval in MCU rows. (If
restart_in_rows is not 0, then restart_interval is set after the
image width in MCUs is computed.) Defaults are zero (no restarts).
One restart marker per MCU row is often a good choice.
NOTE: the overhead of restart markers is higher in grayscale JPEG
files than in color files, and MUCH higher in progressive JPEGs.
If you use restarts, you may want to use larger intervals in those
cases.

const jpeg_scan_info * scan_info
int num_scans
By default, scan_info is NULL; this causes the compressor to write a
single-scan sequential JPEG file. If not NULL, scan_info points to
an array of scan definition records of length num_scans. The
compressor will then write a JPEG file having one scan for each scan
definition record. This is used to generate noninterleaved or
progressive JPEG files. The library checks that the scan array
defines a valid JPEG scan sequence. (jpeg_simple_progression creates
a suitable scan definition array for progressive JPEG.) This is
discussed further under "Progressive JPEG support".

boolean do_fancy_downsampling
If TRUE, use direct DCT scaling with DCT size > 8 for downsampling
of chroma components.
If FALSE, use only DCT size <= 8 and simple separate downsampling.
Default is TRUE. For better image stability in multiple generation compression cycles it is preferable that this value matches the corresponding do_fancy_upsampling value in decompression.

int smoothing_factor
If non-zero, the input image is smoothed; the value should be 1 for minimal smoothing to 100 for maximum smoothing. Consult jcsample.c for details of the smoothing algorithm. The default is zero.

boolean write_JFIF_header
If TRUE, a JFIF APP0 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if a JFIF-legal JPEG color space (ie, YCbCr or grayscale) is selected, otherwise FALSE.

UINT8 JFIF_major_version
UINT8 JFIF_minor_version
The version number to be written into the JFIF marker. jpeg_set_defaults() initializes the version to 1.01 (major=minor=1). You should set it to 1.02 (major=1, minor=2) if you plan to write any JFIF 1.02 extension markers.

UINT8 density_unit
UINT16 X_density
UINT16 Y_density
The resolution information to be written into the JFIF marker; not used otherwise. density_unit may be 0 for unknown, 1 for dots/inch, or 2 for dots/cm. The default values are 0,1,1 indicating square pixels of unknown size.

boolean write_Adobe_marker
If TRUE, an Adobe APP14 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if JPEG color space RGB, CMYK, or YCCK is selected, otherwise FALSE. It is generally a bad idea to set both write_JFIF_header and write_Adobe_marker. In fact, you probably shouldn't change the default settings at all --- the default behavior ensures that the JPEG file's color space can be recognized by the decoder.

JQUANT_TBL * quant_tbl_ptrs[NUM_QUANT_TBLS]
Pointers to coefficient quantization tables, one per table slot, or NULL if no table is defined for a slot. Usually these should be set via one of the above helper routines; jpeg_add_quant_table() is general enough to define any quantization table. The other routines will set up table slot 0 for luminance quality and table slot 1 for chrominance.

int q_scale_factor[NUM_QUANT_TBLS]
Linear quantization scaling factors (percentage, initialized 100) for use with jpeg_default_qtables(). See rdswitch.c and cjpeg.c for an example of usage. Note that the q_scale_factor[] fields are the "linear" scales, so you have to convert from user-defined ratings via jpeg_quality_scaling(). Here is an example code which corresponds to cjpeg -quality 90,70:

```
jpeg_set_defaults(cinfo);

/* Set luminance quality 90. */
cinfo->q_scale_factor[0] = jpeg_quality_scaling(90);
/* Set chrominance quality 70. */
cinfo->q_scale_factor[1] = jpeg_quality_scaling(70);

jpeg_default_qtables(cinfo, force_baseline);
```

CAUTION: You must also set 1x1 subsampling for efficient separate color quality selection, since the default value used by library is 2x2:

```
cinfo->comp_info[0].v_samp_factor = 1;
cinfo->comp_info[0].h_samp_factor = 1;
```

```
JHUFF_TBL * dc_huff_tbl_ptrs[NUM_HUFF_TBLS]
JHUFF_TBL * ac_huff_tbl_ptrs[NUM_HUFF_TBLS]
```

Pointers to Huffman coding tables, one per table slot, or NULL if no table is defined for a slot. Slots 0 and 1 are filled with the JPEG sample tables by jpeg_set_defaults(). If you need to allocate more table structures, jpeg_alloc_huff_table() may be used.

Note that optimal Huffman tables can be computed for an image by setting optimize_coding, as discussed above; there's seldom any need to mess with providing your own Huffman tables.

The actual dimensions of the JPEG image that will be written to the file are given by the following fields. These are computed from the input image dimensions and the compression parameters by jpeg_start_compress(). You can also call jpeg_calc_jpeg_dimensions() to obtain the values that will result from the current parameter settings. This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size.

```
JDIMENSION jpeg_width
JDIMENSION jpeg_height
```

Per-component parameters are stored in the struct cinfo.comp_info[i] for component number i. Note that components here refer to components of the JPEG color space, *not* the source image color space. A suitably large
comp_info[] array is allocated by jpeg_set_defaults(); if you choose not to use that routine, it's up to you to allocate the array.

```
int component_id
The one-byte identifier code to be recorded in the JPEG file for this component. For the standard color spaces, we recommend you leave the default values alone.
```

```
int h_samp_factor
int v_samp_factor
Horizontal and vertical sampling factors for the component; must be 1..4 according to the JPEG standard. Note that larger sampling factors indicate a higher-resolution component; many people find this behavior quite unintuitive. The default values are 2,2 for luminance components and 1,1 for chrominance components, except for grayscale where 1,1 is used.
```

```
int quant_tbl_no
Quantization table number for component. The default value is 0 for luminance components and 1 for chrominance components.
```

```
int dc_tbl_no
int ac_tbl_no
DC and AC entropy coding table numbers. The default values are 0 for luminance components and 1 for chrominance components.
```

```
int component_index
Must equal the component's index in comp_info[]. (Beginning in release v6, the compressor library will fill this in automatically; you don’t have to.)
```

Decompression parameter selection
---------------------------------

Decompression parameter selection is somewhat simpler than compression parameter selection, since all of the JPEG internal parameters are recorded in the source file and need not be supplied by the application. (Unless you are working with abbreviated files, in which case see "Abbreviated datastreams", below.) Decompression parameters control the postprocessing done on the image to deliver it in a format suitable for the application's use. Many of the parameters control speed/quality tradeoffs, in which faster decompression may be obtained at the price of a poorer-quality image. The defaults select the highest quality (slowest) processing.

The following fields in the JPEG object are set by jpeg_read_header() and may be useful to the application in choosing decompression parameters:
The JPEG color space, unfortunately, is something of a guess since the JPEG standard proper does not provide a way to record it. In practice most files adhere to the JFIF or Adobe conventions, and the decoder will recognize these correctly. See "Special color spaces", below, for more info.

The decompression parameters that determine the basic properties of the returned image are:

**J_COLOR_SPACE out_color_space**
Output color space. `jpeg_read_header()` sets an appropriate default based on `jpeg_color_space`; typically it will be RGB or grayscale. The application can change this field to request output in a different colorspace. For example, set it to `JCS_GRAYSCALE` to get grayscale output from a color file. (This is useful for previewing: grayscale output is faster than full color since the color components need not be processed.) Note that not all possible color space transforms are currently implemented; you may need to extend `jdcolor.c` if you want an unusual conversion.

**unsigned int scale_num, scale_denom**
Scale the image by the fraction `scale_num/scale_denom`. Currently, the supported scaling ratios are M/N with all M from 1 to 16, where N is the source DCT size, which is 8 for baseline JPEG. (The library design allows for arbitrary scaling ratios but this is not likely to be implemented any time soon.) The values are initialized by `jpeg_read_header()` with the source DCT size. For baseline JPEG this is 8/8. If you change only the `scale_num` value while leaving the other unchanged, then this specifies the DCT scaled size to be applied on the given input. For baseline JPEG this is equivalent to M/8 scaling, since the source DCT size for baseline JPEG is 8. Smaller scaling ratios permit significantly faster decoding since fewer pixels need be processed and a simpler IDCT method can be used.
boolean quantize_colors
If set TRUE, colormapped output will be delivered. Default is FALSE, meaning that full-color output will be delivered.

The next three parameters are relevant only if quantize_colors is TRUE.

int desired_number_of_colors
Maximum number of colors to use in generating a library-supplied color map (the actual number of colors is returned in a different field). Default 256. Ignored when the application supplies its own color map.

boolean two_pass_quantize
If TRUE, an extra pass over the image is made to select a custom color map for the image. This usually looks a lot better than the one-size-fits-all colormap that is used otherwise. Default is TRUE. Ignored when the application supplies its own color map.

J_DITHER_MODE dither_mode
Selects color dithering method. Supported values are: J_DITHER_NONE no dithering: fast, very low quality J_DITHER_ORDERED ordered dither: moderate speed and quality J_DITHER_FS Floyd-Steinberg dither: slow, high quality Default is J_DITHER_FS. (At present, ordered dither is implemented only in the single-pass, standard-colormap case. If you ask for ordered dither when two_pass_quantize is TRUE or when you supply an external color map, you'll get F-S dithering.)

When quantize_colors is TRUE, the target color map is described by the next two fields. colormap is set to NULL by jpeg_read_header(). The application can supply a color map by setting colormap non-NULL and setting actual_number_of_colors to the map size. Otherwise, jpeg_start_decompress() selects a suitable color map and sets these two fields itself. [Implementation restriction: at present, an externally supplied colormap is only accepted for 3-component output color spaces.]

JSAMPARRAY colormap
The color map, represented as a 2-D pixel array of out_color_components rows and actual_number_of_colors columns. Ignored if not quantizing. CAUTION: if the JPEG library creates its own colormap, the storage pointed to by this field is released by jpeg_finish_decompress(). Copy the colormap somewhere else first, if you want to save it.

int actual_number_of_colors
The number of colors in the color map.

Additional decompression parameters that the application may set include:

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are the same as described above for compression.

boolean do_fancy_upsampling
If TRUE, use direct DCT scaling with DCT size > 8 for upsampling of chroma components. If FALSE, use only DCT size <= 8 and simple separate upsampling. Default is TRUE. For better image stability in multiple generation compression cycles it is preferable that this value matches the corresponding do_fancy_downsampling value in compression.

boolean do_block_smoothing
If TRUE, interblock smoothing is applied in early stages of decoding progressive JPEG files; if FALSE, not. Default is TRUE. Early progression stages look “fuzzy” with smoothing, ”blocky” without. In any case, block smoothing ceases to be applied after the first few AC coefficients are known to full accuracy, so it is relevant only when using buffered-image mode for progressive images.

boolean enable_1pass_quant
boolean enable_external_quant
boolean enable_2pass_quant
These are significant only in buffered-image mode, which is described in its own section below.

The output image dimensions are given by the following fields. These are computed from the source image dimensions and the decompression parameters by jpeg_start_decompress(). You can also call jpeg_calc_output_dimensions() to obtain the values that will result from the current parameter settings. This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size. It’s also important if you are using the JPEG library’s memory manager to allocate output buffer space, because you are supposed to request such buffers *before* jpeg_start_decompress().

JDIMENSION output_width Actual dimensions of output image.
JDIMENSION output_height
int out_color_components Number of color components in out_color_space.
int output_components Number of color components returned.
int rec_outbuf_height Recommended height of scanline buffer.

When quantizing colors, output_components is 1, indicating a single color map index per pixel. Otherwise it equals out_color_components. The output arrays are required to be output_width * output_components JSAMPLEs wide.

rec_outbuf_height is the recommended minimum height (in scanlines) of the buffer passed to jpeg_read_scanlines(). If the buffer is smaller, the
library will still work, but time will be wasted due to unnecessary data copying. In high-quality modes, rec_outbuf_height is always 1, but some faster, lower-quality modes set it to larger values (typically 2 to 4). If you are going to ask for a high-speed processing mode, you may as well go to the trouble of honoring rec_outbuf_height so as to avoid data copying. (An output buffer larger than rec_outbuf_height lines is OK, but won't provide any material speed improvement over that height.)

Special color spaces
---------------------

The JPEG standard itself is "color blind" and doesn't specify any particular color space. It is customary to convert color data to a luminance/chrominance color space before compressing, since this permits greater compression. The existing JPEG file interchange format standards specify YCbCr or GRAYSCALE data (JFIF version 1), GRAYSCALE, RGB, YCbCr, CMYK, or YCCK (Adobe), or BG_RGB or BG_YCC (big gamut color spaces, JFIF version 2). For special applications such as multispectral images, other color spaces can be used, but it must be understood that such files will be unportable.

The JPEG library can handle the most common colorspace conversions (namely RGB => YCbCr and CMYK => YCCK). It can also deal with data of an unknown color space, passing it through without conversion. If you deal extensively with an unusual color space, you can easily extend the library to understand additional color spaces and perform appropriate conversions.

For compression, the source data's color space is specified by field in_color_space. This is transformed to the JPEG file's color space given by jpeg_color_space. jpeg_setdefaults() chooses a reasonable JPEG color space depending on in_color_space, but you can override this by calling jpeg_set_colorspace(). Of course you must select a supported transformation. jccolor.c currently supports the following transformations:

RGB => YCbCr
RGB => GRAYSCALE
RGB => BG_YCC
YCbCr => GRAYSCALE
YCbCr => BG_YCC
CMYK => YCCK

plus the null transforms: GRAYSCALE => GRAYSCALE, RGB => RGB, BG_RGB => BG_RGB, YCbCr => YCbCr, BG_YCC => BG_YCC, CMYK => CMYK, YCCK => YCCK, and UNKNOWN => UNKNOWN.

The file interchange format standards (JFIF and Adobe) specify APPn markers that indicate the color space of the JPEG file. It is important to ensure that these are written correctly, or omitted if the JPEG file's color space is not one of the ones supported by the interchange standards. jpeg_set_colorspace() will set the compression parameters to include or omit
the APPn markers properly, so long as it is told the truth about the JPEG
color space. For example, if you are writing some random 3-component color
space without conversion, don't try to fake out the library by setting
in_color_space and jpeg_color_space to JCS_YCbCr; use JCS_UNKNOWN.
You may want to write an APPn marker of your own devising to identify
the colorspace --- see "Special markers", below.

When told that the color space is UNKNOWN, the library will default to using
luminance-quality compression parameters for all color components. You may
well want to change these parameters. See the source code for
jpeg_set_colorspace(), in jcparam.c, for details.

For decompression, the JPEG file's color space is given in jpeg_color_space,
and this is transformed to the output color space out_color_space.
jpeg_read_header's setting of jpeg_color_space can be relied on if the file
conforms to JFIF or Adobe conventions, but otherwise it is no better than a
guess. If you know the JPEG file's color space for certain, you can override
jpeg_read_header's guess by setting jpeg_color_space. jpeg_read_header also
selects a default output color space based on (its guess of) jpeg_color_space;
set out_color_space to override this. Again, you must select a supported
transformation. jdcolor.c currently supports
YCbCr => RGB
YCbCr => GRAYSCALE
BG_YCC => RGB
BG_YCC => GRAYSCALE
RGB => GRAYSCALE
GRAYSCALE => RGB
YCCK => CMYK
as well as the null transforms. (Since GRAYSCALE=>RGB is provided, an
application can force grayscale JPEGs to look like color JPEGs if it only
wants to handle one case.)

The two-pass color quantizer, jquant2.c, is specialized to handle RGB data
(it weights distances appropriately for RGB colors). You'll need to modify
the code if you want to use it for non-RGB output color spaces. Note that
jquant2.c is used to map to an application-supplied colormap as well as for
the normal two-pass colormap selection process.

CAUTION: it appears that Adobe Photoshop writes inverted data in CMYK JPEG
files: 0 represents 100% ink coverage, rather than 0% ink as you'd expect.
This is arguably a bug in Photoshop, but if you need to work with Photoshop
CMYK files, you will have to deal with it in your application. We cannot
“fix” this in the library by inverting the data during the CMYK<=>YCCK
transform, because that would break other applications, notably Ghostscript.
Photoshop versions prior to 3.0 write EPS files containing JPEG-encoded CMYK
data in the same inverted-YCCK representation used in bare JPEG files, but
the surrounding PostScript code performs an inversion using the PS image
operator. I am told that Photoshop 3.0 will write uninverted YCCK in
EPS/JPEG files, and will omit the PS-level inversion. (But the data polarity used in bare JPEG files will not change in 3.0.) In either case, the JPEG library must not invert the data itself, or else Ghostscript would read these EPS files incorrectly.

Error handling

When the default error handler is used, any error detected inside the JPEG routines will cause a message to be printed on stderr, followed by exit(). You can supply your own error handling routines to override this behavior and to control the treatment of nonfatal warnings and trace/debug messages. The file example.c illustrates the most common case, which is to have the application regain control after an error rather than exiting.

The JPEG library never writes any message directly; it always goes through the error handling routines. Three classes of messages are recognized:

* Fatal errors: the library cannot continue.
* Warnings: the library can continue, but the data is corrupt, and a damaged output image is likely to result.
* Trace/informational messages. These come with a trace level indicating the importance of the message; you can control the verbosity of the program by adjusting the maximum trace level that will be displayed.

You may, if you wish, simply replace the entire JPEG error handling module (jerror.c) with your own code. However, you can avoid code duplication by only replacing some of the routines depending on the behavior you need. This is accomplished by calling jpeg_std_error() as usual, but then overriding some of the method pointers in the jpeg_error_mgr struct, as illustrated by example.c.

All of the error handling routines will receive a pointer to the JPEG object (a j_common_ptr which points to either a jpeg_compress_struct or a jpeg_decompress_struct; if you need to tell which, test the is_decompressor field). This struct includes a pointer to the error manager struct in its "err" field. Frequently, custom error handler routines will need to access additional data which is not known to the JPEG library or the standard error handler. The most convenient way to do this is to embed either the JPEG object or the jpeg_error_mgr struct in a larger structure that contains additional fields; then casting the passed pointer provides access to the additional fields. Again, see example.c for one way to do it. (Beginning with IJG version 6b, there is also a void pointer "client_data" in each JPEG object, which the application can also use to find related data. The library does not touch client_data at all.)

The individual methods that you might wish to override are:
error_exit (j_common_ptr cinfo)
Receives control for a fatal error. Information sufficient to
generate the error message has been stored in cinfo->err; call
output_message to display it. Control must NOT return to the caller;
generally this routine will exit() or longjmp() somewhere.
Typically you would override this routine to get rid of the exit()
default behavior. Note that if you continue processing, you should
clean up the JPEG object with jpeg_abort() or jpeg_destroy().

output_message (j_common_ptr cinfo)
Actual output of any JPEG message. Override this to send messages
somewhere other than stderr. Note that this method does not know
how to generate a message, only where to send it.

format_message (j_common_ptr cinfo, char * buffer)
Constructs a readable error message string based on the error info
stored in cinfo->err. This method is called by output_message. Few
applications should need to override this method. One possible
reason for doing so is to implement dynamic switching of error message
language.

emit_message (j_common_ptr cinfo, int msg_level)
Decide whether or not to emit a warning or trace message; if so,
calls output_message. The main reason for overriding this method
would be to abort on warnings. msg_level is -1 for warnings,
0 and up for trace messages.

Only error_exit() and emit_message() are called from the rest of the JPEG
library; the other two are internal to the error handler.

The actual message texts are stored in an array of strings which is pointed to
by the field err->jpeg_message_table. The messages are numbered from 0 to
err->last_jpeg_message, and it is these code numbers that are used in the
JPEG library code. You could replace the message texts (for instance, with
messages in French or German) by changing the message table pointer. See
jerror.h for the default texts. CAUTION: this table will almost certainly
change or grow from one library version to the next.

It may be useful for an application to add its own message texts that are
handled by the same mechanism. The error handler supports a second "add-on"
message table for this purpose. To define an addon table, set the pointer
err->addon_message_table and the message numbers err->first_addon_message and
err->last_addon_message. If you number the addon messages beginning at 1000
or so, you won't have to worry about conflicts with the library's built-in
messages. See the sample applications cjpeg/djpeg for an example of using
addon messages (the addon messages are defined in cerror.h).

Actual invocation of the error handler is done via macros defined in jerror.h:
ERREXIT\text{n}(...) for fatal errors
WARNMS\text{n}(...) for corrupt-data warnings
TRACEMS\text{n}(...) for trace and informational messages.

These macros store the message code and any additional parameters into the error handler struct, then invoke the error\_exit() or emit\_message() method. The variants of each macro are for varying numbers of additional parameters. The additional parameters are inserted into the generated message using standard printf() format codes.

See jerror.h and jerror.c for further details.

Compressed data handling (source and destination managers)
-----------------------------------------------

The JPEG compression library sends its compressed data to a "destination manager" module. The default destination manager just writes the data to a memory buffer or to a stdio stream, but you can provide your own manager to do something else. Similarly, the decompression library calls a "source manager" to obtain the compressed data; you can provide your own source manager if you want the data to come from somewhere other than a memory buffer or a stdio stream.

In both cases, compressed data is processed a bufferload at a time: the destination or source manager provides a work buffer, and the library invokes the manager only when the buffer is filled or emptied. (You could define a one-character buffer to force the manager to be invoked for each byte, but that would be rather inefficient.) The buffer's size and location are controlled by the manager, not by the library. For example, the memory source manager just makes the buffer pointer and length point to the original data in memory. In this case the buffer-reload procedure will be invoked only if the decompressor ran off the end of the datastream, which would indicate an erroneous datastream.

The work buffer is defined as an array of datatype \texttt{JOCTET}, which is generally "char" or "unsigned char". On a machine where char is not exactly 8 bits wide, you must define \texttt{JOCTET} as a wider data type and then modify the data source and destination modules to transcribe the work arrays into 8-bit units on external storage.

A data destination manager struct contains a pointer and count defining the next byte to write in the work buffer and the remaining free space:

\texttt{JOCTET * next\_output\_byte; /* => next byte to write in buffer */ size\_t free\_in\_buffer; /* # of byte spaces remaining in buffer */}

The library increments the pointer and decrements the count until the buffer is filled. The manager's empty\_output\_buffer method must reset the pointer.
and count. The manager is expected to remember the buffer's starting address
and total size in private fields not visible to the library.

A data destination manager provides three methods:

init_destination (j_compress_ptr cinfo)
Initialize destination. This is called by jpeg_start_compress() before any data is actually written. It must initialize
next_output_byte and free_in_buffer. free_in_buffer must be
initialized to a positive value.

empty_output_buffer (j_compress_ptr cinfo)
This is called whenever the buffer has filled (free_in_buffer reaches zero). In typical applications, it should write out the
*entire* buffer (use the saved start address and buffer length; ignore the current state of next_output_byte and free_in_buffer).
Then reset the pointer & count to the start of the buffer, and return TRUE indicating that the buffer has been dumped.
free_in_buffer must be set to a positive value when TRUE is returned. A FALSE return should only be used when I/O suspension is desired (this operating mode is discussed in the next section).

term_destination (j_compress_ptr cinfo)
Terminate destination --- called by jpeg_finish_compress() after all data has been written. In most applications, this must flush any data remaining in the buffer. Use either next_output_byte or free_in_buffer to determine how much data is in the buffer.

term_destination() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the destination manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_destination_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "dest" field of the JPEG compression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the jpeg_stdio_dest() or jpeg_mem_dest() routines of the supplied destination managers.

Decompression source managers follow a parallel design, but with some additional frammishes. The source manager struct contains a pointer and count defining the next byte to read from the work buffer and the number of bytes remaining:

const OCTET * next_input_byte; /* => next byte to read from buffer */
size_t bytes_in_buffer; /* # of bytes remaining in buffer */

The library increments the pointer and decrements the count until the buffer
is emptied. The manager's fill_input_buffer method must reset the pointer and
count. In most applications, the manager must remember the buffer's starting
address and total size in private fields not visible to the library.

A data source manager provides five methods:

init_source (j_decompress_ptr cinfo)
Initialize source. This is called by jpeg_read_header() before any
data is actually read. Unlike init_destination(), it may leave
bytes_in_buffer set to 0 (in which case a fill_input_buffer() call
will occur immediately).

fill_input_buffer (j_decompress_ptr cinfo)
This is called whenever bytes_in_buffer has reached zero and more
data is wanted. In typical applications, it should read fresh data
into the buffer (ignoring the current state of next_input_byte and
bytes_in_buffer), reset the pointer & count to the start of the
buffer, and return TRUE indicating that the buffer has been reloaded.
It is not necessary to fill the buffer entirely, only to obtain at
least one more byte. bytes_in_buffer MUST be set to a positive value
if TRUE is returned. A FALSE return should only be used when I/O
suspension is desired (this mode is discussed in the next section).

skip_input_data (j_decompress_ptr cinfo, long num_bytes)
Skip num_bytes worth of data. The buffer pointer and count should
be advanced over num_bytes input bytes, refilling the buffer as
needed. This is used to skip over a potentially large amount of
uninteresting data (such as an APPn marker). In some applications
it may be possible to optimize away the reading of the skipped data,
but it's not clear that being smart is worth much trouble; large
skips are uncommon. bytes_in_buffer may be zero on return.
A zero or negative skip count should be treated as a no-op.

resync_to_restart (j_decompress_ptr cinfo, int desired)
This routine is called only when the decompressor has failed to find
a restart (RSTn) marker where one is expected. Its mission is to
find a suitable point for resuming decompression. For most
applications, we recommend that you just use the default resync
procedure, jpeg_resync_to_restart(). However, if you are able to back
up in the input data stream, or if you have a-priori knowledge about
the likely location of restart markers, you may be able to do better.
Read the read_restart_marker() and jpeg_resync_to_restart() routines
in jdmarker.c if you think you'd like to implement your own resync
procedure.

term_source (j_decompress_ptr cinfo)
Terminate source --- called by jpeg_finish_decompress() after all
data has been read. Often a no-op.
For both fill_input_buffer() and skip_input_data(), there is no such thing as an EOF return. If the end of the file has been reached, the routine has a choice of exiting via ERREXIT() or inserting fake data into the buffer. In most cases, generating a warning message and inserting a fake EOI marker is the best course of action --- this will allow the decompressor to output however much of the image is there. In pathological cases, the decompressor may swallow the EOI and again demand data ... just keep feeding it fake EOIs. jdatasrc.c illustrates the recommended error recovery behavior.

term_source() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the source manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_source_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "src" field of the JPEG decompression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the jpeg_stdio_src() or jpeg_mem_src() routines of the supplied source managers.

For more information, consult the memory and stdio source and destination managers in jdatasrc.c and jdatadst.c.

I/O suspension
---------------

Some applications need to use the JPEG library as an incremental memory-to-memory filter: when the compressed data buffer is filled or emptied, they want control to return to the outer loop, rather than expecting that the buffer can be emptied or reloaded within the data source/destination manager subroutine. The library supports this need by providing an "I/O suspension" mode, which we describe in this section.

The I/O suspension mode is not a panacea: nothing is guaranteed about the maximum amount of time spent in any one call to the library, so it will not eliminate response-time problems in single-threaded applications. If you need guaranteed response time, we suggest you "bite the bullet" and implement a real multi-tasking capability.

To use I/O suspension, cooperation is needed between the calling application and the data source or destination manager; you will always need a custom source/destination manager. (Please read the previous section if you haven't already.) The basic idea is that the empty_output_buffer() or fill_input_buffer() routine is a no-op, merely returning FALSE to indicate that it has done nothing. Upon seeing this, the JPEG library suspends operation and returns to its caller. The surrounding application is responsible for emptying or refilling the work buffer before calling the JPEG library again.
Compression suspension:

For compression suspension, use an empty_output_buffer() routine that returns FALSE; typically it will not do anything else. This will cause the compressor to return to the caller of jpeg_write_scanlines(), with the return value indicating that not all the supplied scanlines have been accepted. The application must make more room in the output buffer, adjust the output buffer pointer/count appropriately, and then call jpeg_write_scanlines() again, pointing to the first unconsumed scanline.

When forced to suspend, the compressor will backtrack to a convenient stopping point (usually the start of the current MCU); it will regenerate some output data when restarted. Therefore, although empty_output_buffer() is only called when the buffer is filled, you should NOT write out the entire buffer after a suspension. Write only the data up to the current position of next_output_byte/free_in_buffer. The data beyond that point will be regenerated after resumption.

Because of the backtracking behavior, a good-size output buffer is essential for efficiency; you don’t want the compressor to suspend often. (In fact, an overly small buffer could lead to infinite looping, if a single MCU required more data than would fit in the buffer.) We recommend a buffer of at least several Kbytes. You may want to insert explicit code to ensure that you don’t call jpeg_write_scanlines() unless there is a reasonable amount of space in the output buffer; in other words, flush the buffer before trying to compress more data.

The compressor does not allow suspension while it is trying to write JPEG markers at the beginning and end of the file. This means that:

* At the beginning of a compression operation, there must be enough free space in the output buffer to hold the header markers (typically 600 or so bytes). The recommended buffer size is bigger than this anyway, so this is not a problem as long as you start with an empty buffer. However, this restriction might catch you if you insert large special markers, such as a JFIF thumbnail image, without flushing the buffer afterwards.
* When you call jpeg_finish_compress(), there must be enough space in the output buffer to emit any buffered data and the final EOI marker. In the current implementation, half a dozen bytes should suffice for this, but for safety’s sake we recommend ensuring that at least 100 bytes are free before calling jpeg_finish_compress().

A more significant restriction is that jpeg_finish_compress() cannot suspend. This means you cannot use suspension with multi-pass operating modes, namely Huffman code optimization and multiple-scan output. Those modes write the whole file during jpeg_finish_compress(), which will certainly result in buffer overrun. (Note that this restriction applies only to compression, not decompression. The decompressor supports input suspension in all of its
Decompression suspension:

For decompression suspension, use a fill_input_buffer() routine that simply returns FALSE (except perhaps during error recovery, as discussed below). This will cause the decompressor to return to its caller with an indication that suspension has occurred. This can happen at four places:

* jpeg_read_header(): will return JPEG_SUSPENDED.
* jpeg_start_decompress(): will return FALSE, rather than its usual TRUE.
* jpeg_read_scanlines(): will return the number of scanlines already completed (possibly 0).
* jpeg_finish_decompress(): will return FALSE, rather than its usual TRUE.

The surrounding application must recognize these cases, load more data into the input buffer, and repeat the call. In the case of jpeg_read_scanlines(), increment the passed pointers past any scanlines successfully read.

Just as with compression, the decompressor will typically backtrack to a convenient restart point before suspending. When fill_input_buffer() is called, next_input_byte/bytes_in_buffer point to the current restart point, which is where the decompressor will backtrack to if FALSE is returned. The data beyond that position must NOT be discarded if you suspend; it needs to be re-read upon resumption. In most implementations, you'll need to shift this data down to the start of your work buffer and then load more data after it. Again, this behavior means that a several-Kbyte work buffer is essential for decent performance; furthermore, you should load a reasonable amount of new data before resuming decompression. (If you loaded, say, only one new byte each time around, you could waste a LOT of cycles.)

The skip_input_data() source manager routine requires special care in a suspension scenario. This routine is NOT granted the ability to suspend the decompressor; it can decrement bytes_in_buffer to zero, but no more. If the requested skip distance exceeds the amount of data currently in the input buffer, then skip_input_data() must set bytes_in_buffer to zero and record the additional skip distance somewhere else. The decompressor will immediately call fill_input_buffer(), which should return FALSE, which will cause a suspension return. The surrounding application must then arrange to discard the recorded number of bytes before it resumes loading the input buffer. (Yes, this design is rather baroque, but it avoids complexity in the far more common case where a non-suspending source manager is used.)

If the input data has been exhausted, we recommend that you emit a warning and insert dummy EOI markers just as a non-suspending data source manager would do. This can be handled either in the surrounding application logic or within fill_input_buffer(); the latter is probably more efficient. If fill_input_buffer() knows that no more data is available, it can set the pointer/count to point to a dummy EOI marker and then return TRUE just as though it had read more data in a non-suspending situation.
The decompressor does not attempt to suspend within standard JPEG markers; instead it will backtrack to the start of the marker and reprocess the whole marker next time. Hence the input buffer must be large enough to hold the longest standard marker in the file. Standard JPEG markers should normally not exceed a few hundred bytes each (DHT tables are typically the longest). We recommend at least a 2K buffer for performance reasons, which is much larger than any correct marker is likely to be. For robustness against damaged marker length counts, you may wish to insert a test in your application for the case that the input buffer is completely full and yet the decoder has suspended without consuming any data --- otherwise, if this situation did occur, it would lead to an endless loop. (The library can't provide this test since it has no idea whether "the buffer is full", or even whether there is a fixed-size input buffer.)

The input buffer would need to be 64K to allow for arbitrary COM or APPn markers, but these are handled specially: they are either saved into allocated memory, or skipped over by calling skip_input_data(). In the former case, suspension is handled correctly, and in the latter case, the problem of buffer overrun is placed on skip_input_data's shoulders, as explained above. Note that if you provide your own marker handling routine for large markers, you should consider how to deal with buffer overflow.

Multiple-buffer management:

In some applications it is desirable to store the compressed data in a linked list of buffer areas, so as to avoid data copying. This can be handled by having empty_output_buffer() or fill_input_buffer() set the pointer and count to reference the next available buffer; FALSE is returned only if no more buffers are available. Although seemingly straightforward, there is a pitfall in this approach: the backtrack that occurs when FALSE is returned could back up into an earlier buffer. For example, when fill_input_buffer() is called, the current pointer & count indicate the backtrack restart point. Since fill_input_buffer() will set the pointer and count to refer to a new buffer, the restart position must be saved somewhere else. Suppose a second call to fill_input_buffer() occurs in the same library call, and no additional input data is available, so fill_input_buffer must return FALSE. If the JPEG library has not moved the pointer/count forward in the current buffer, then *the correct restart point is the saved position in the prior buffer*. Prior buffers may be discarded only after the library establishes a restart point within a later buffer. Similar remarks apply for output into a chain of buffers.

The library will never attempt to backtrack over a skip_input_data() call, so any skipped data can be permanently discarded. You still have to deal with the case of skipping not-yet-received data, however.

It's much simpler to use only a single buffer; when fill_input_buffer() is
called, move any unconsumed data (beyond the current pointer/count) down to
the beginning of this buffer and then load new data into the remaining buffer
space. This approach requires a little more data copying but is far easier
to get right.

Progressive JPEG support
--------------------------

Progressive JPEG rearranges the stored data into a series of scans of
increasing quality. In situations where a JPEG file is transmitted across a
slow communications link, a decoder can generate a low-quality image very
quickly from the first scan, then gradually improve the displayed quality as
more scans are received. The final image after all scans are complete is
identical to that of a regular (sequential) JPEG file of the same quality
setting. Progressive JPEG files are often slightly smaller than equivalent
sequential JPEG files, but the possibility of incremental display is the main
reason for using progressive JPEG.

The IJG encoder library generates progressive JPEG files when given a
suitable "scan script" defining how to divide the data into scans.
Creation of progressive JPEG files is otherwise transparent to the encoder.
Progressive JPEG files can also be read transparently by the decoder library.
If the decoding application simply uses the library as defined above, it
will receive a final decoded image without any indication that the file was
progressive. Of course, this approach does not allow incremental display.
To perform incremental display, an application needs to use the decoder
library's "buffered-image" mode, in which it receives a decoded image
multiple times.

Each displayed scan requires about as much work to decode as a full JPEG
image of the same size, so the decoder must be fairly fast in relation to the
data transmission rate in order to make incremental display useful. However,
it is possible to skip displaying the image and simply add the incoming bits
to the decoder's coefficient buffer. This is fast because only Huffman
decoding need be done, not IDCT, upsampling, colorspace conversion, etc.
The IJG decoder library allows the application to switch dynamically between
displaying the image and simply absorbing the incoming bits. A properly
coded application can automatically adapt the number of display passes to
suit the time available as the image is received. Also, a final
higher-quality display cycle can be performed from the buffered data after
the end of the file is reached.

Progressive compression:

To create a progressive JPEG file (or a multiple-scan sequential JPEG file),
set the scan_info cinfo field to point to an array of scan descriptors, and
perform compression as usual. Instead of constructing your own scan list,
you can call the jpeg_simple_progression() helper routine to create a recommended progression sequence; this method should be used by all applications that don't want to get involved in the nitty-gritty of progressive scan sequence design. (If you want to provide user control of scan sequences, you may wish to borrow the scan script reading code found in rdswitch.c, so that you can read scan script files just like cjpeg's.) When scan_info is not NULL, the compression library will store DCT'd data into a buffer array as jpeg_write_scanlines() is called, and will emit all the requested scans during jpeg_finish_compress(). This implies that multiple-scan output cannot be created with a suspending data destination manager, since jpeg_finish_compress() does not support suspension. We should also note that the compressor currently forces Huffman optimization mode when creating a progressive JPEG file, because the default Huffman tables are unsuitable for progressive files.

Progressive decompression:

When buffered-image mode is not used, the decoder library will read all of a multi-scan file during jpeg_start_decompress(), so that it can provide a final decoded image. (Here "multi-scan" means either progressive or multi-scan sequential.) This makes multi-scan files transparent to the decoding application. However, existing applications that used suspending input with version 5 of the IJG library will need to be modified to check for a suspension return from jpeg_start_decompress().

To perform incremental display, an application must use the library's buffered-image mode. This is described in the next section.

Buffered-image mode

In buffered-image mode, the library stores the partially decoded image in a coefficient buffer, from which it can be read out as many times as desired. This mode is typically used for incremental display of progressive JPEG files, but it can be used with any JPEG file. Each scan of a progressive JPEG file adds more data (more detail) to the buffered image. The application can display in lockstep with the source file (one display pass per input scan), or it can allow input processing to outrun display processing. By making input and display processing run independently, it is possible for the application to adapt progressive display to a wide range of data transmission rates.

The basic control flow for buffered-image decoding is

jpeg_create_decompress()
set data source
jpeg_read_header()
This differs from ordinary unbuffered decoding in that there is an additional level of looping. The application can choose how many output passes to make and how to display each pass.

The simplest approach to displaying progressive images is to do one display pass for each scan appearing in the input file. In this case the outer loop condition is typically

while (! jpeg_input_complete(&cinfo))

and the start-output call should read

jpeg_start_output(&cinfo, cinfo.input_scan_number);

The second parameter to jpeg_start_output() indicates which scan of the input file is to be displayed; the scans are numbered starting at 1 for this purpose. (You can use a loop counter starting at 1 if you like, but using the library's input scan counter is easier.) The library automatically reads data as necessary to complete each requested scan, and jpeg_finish_output() advances to the next scan or end-of-image marker (hence input_scan_number will be incremented by the time control arrives back at jpeg_start_output()).

With this technique, data is read from the input file only as needed, and input and output processing run in lockstep.

After reading the final scan and reaching the end of the input file, the buffered image remains available; it can be read additional times by repeating the jpeg_start_output()/jpeg_read_scanlines()/jpeg_finish_output() sequence. For example, a useful technique is to use fast one-pass color quantization for display passes made while the image is arriving, followed by a final display pass using two-pass quantization for highest quality. This is done by changing the library parameters before the final output pass. Changing parameters between passes is discussed in detail below.

In general the last scan of a progressive file cannot be recognized as such until after it is read, so a post-input display pass is the best approach if you want special processing in the final pass.
When done with the image, be sure to call jpeg_finish_decompress() to release the buffered image (or just use jpeg_destroy_decompress()).

If input data arrives faster than it can be displayed, the application can cause the library to decode input data in advance of what's needed to produce output. This is done by calling the routine jpeg_consume_input().

The return value is one of the following:
- JPEG_REACHED_SOS: reached an SOS marker (the start of a new scan)
- JPEG_REACHED_EOI: reached the EOI marker (end of image)
- JPEG_ROW_COMPLETED: completed reading one MCU row of compressed data
- JPEG_SCAN_COMPLETED: completed reading last MCU row of current scan
- JPEG_SUSPENDED: suspended before completing any of the above

(JPEG_SUSPENDED can occur only if a suspending data source is used.) This routine can be called at any time after initializing the JPEG object. It reads some additional data and returns when one of the indicated significant events occurs. (If called after the EOI marker is reached, it will immediately return JPEG_REACHED_EOI without attempting to read more data.)

The library's output processing will automatically call jpeg_consume_input() whenever the output processing overtakes the input; thus, simple lockstep display requires no direct calls to jpeg_consume_input(). But by adding calls to jpeg_consume_input(), you can absorb data in advance of what is being displayed. This has two benefits:
* You can limit buildup of unprocessed data in your input buffer.
* You can eliminate extra display passes by paying attention to the state of the library's input processing.

The first of these benefits only requires interspersing calls to jpeg_consume_input() with your display operations and any other processing you may be doing. To avoid wasting cycles due to backtracking, it's best to call jpeg_consume_input() only after a hundred or so new bytes have arrived. This is discussed further under "I/O suspension", above. (Note: the JPEG library currently is not thread-safe. You must not call jpeg_consume_input() from one thread of control if a different library routine is working on the same JPEG object in another thread.)

When input arrives fast enough that more than one new scan is available before you start a new output pass, you may as well skip the output pass corresponding to the completed scan. This occurs for free if you pass cinfo.input_scan_number as the target scan number to jpeg_start_output(). The input_scan_number field is simply the index of the scan currently being consumed by the input processor. You can ensure that this is up-to-date by emptying the input buffer just before calling jpeg_start_output(): call jpeg_consume_input() repeatedly until it returns JPEG_SUSPENDED or JPEG_REACHED_EOI.

The target scan number passed to jpeg_start_output() is saved in the cinfo.output_scan_number field. The library's output processing calls
jpeg_consume_input() whenever the current input scan number and row within that scan is less than or equal to the current output scan number and row. Thus, input processing can "get ahead" of the output processing but is not allowed to "fall behind". You can achieve several different effects by manipulating this interlock rule. For example, if you pass a target scan number greater than the current input scan number, the output processor will wait until that scan starts to arrive before producing any output. (To avoid an infinite loop, the target scan number is automatically reset to the last scan number when the end of image is reached. Thus, if you specify a large target scan number, the library will just absorb the entire input file and then perform an output pass. This is effectively the same as what jpeg_start_decompress() does when you don't select buffered-image mode.)

When you pass a target scan number equal to the current input scan number, the image is displayed no faster than the current input scan arrives. The final possibility is to pass a target scan number less than the current input scan number; this disables the input/output interlock and causes the output processor to simply display whatever it finds in the image buffer, without waiting for input. (However, the library will not accept a target scan number less than one, so you can't avoid waiting for the first scan.)

When data is arriving faster than the output display processing can advance through the image, jpeg_consume_input() will store data into the buffered image beyond the point at which the output processing is reading data out again. If the input arrives fast enough, it may "wrap around" the buffer to the point where the input is more than one whole scan ahead of the output. If the output processing simply proceeds through its display pass without paying attention to the input, the effect seen on-screen is that the lower part of the image is one or more scans better in quality than the upper part. Then, when the next output scan is started, you have a choice of what target scan number to use. The recommended choice is to use the current input scan number at that time, which implies that you've skipped the output scans corresponding to the input scans that were completed while you processed the previous output scan. In this way, the decoder automatically adapts its speed to the arriving data, by skipping output scans as necessary to keep up with the arriving data.

When using this strategy, you'll want to be sure that you perform a final output pass after receiving all the data; otherwise your last display may not be full quality across the whole screen. So the right outer loop logic is something like this:

do {
    absorb any waiting input by calling jpeg_consume_input()
    final_pass = jpeg_input_complete(&cinfo);
    adjust output decompression parameters if required
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
} while (! final_pass);
rather than quitting as soon as jpeg_input_complete() returns TRUE. This arrangement makes it simple to use higher-quality decoding parameters for the final pass, but if you don’t want to use special parameters for the final pass, the right loop logic is like this:
for (;;) {
    absorb any waiting input by calling jpeg_consume_input()
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
    if (jpeg_input_complete(&cinfo) &&
        cinfo.input_scan_number == cinfo.output_scan_number)
        break;
}
In this case you don’t need to know in advance whether an output pass is to be the last one, so it’s not necessary to have reached EOF before starting the final output pass; rather, what you want to test is whether the output pass was performed in sync with the final input scan. This form of the loop will avoid an extra output pass whenever the decoder is able (or nearly able) to keep up with the incoming data.

When the data transmission speed is high, you might begin a display pass, then find that much or all of the file has arrived before you can complete the pass. (You can detect this by noting the JPEG_REACHED_EOI return code from jpeg_consume_input(), or equivalently by testing jpeg_input_complete().) In this situation you may wish to abort the current display pass and start a new one using the newly arrived information. To do so, just call jpeg_finish_output() and then start a new pass with jpeg_start_output().

A variant strategy is to abort and restart display if more than one complete scan arrives during an output pass; this can be detected by noting JPEG_REACHED_SOS returns and/or examining cinfo.input_scan_number. This idea should be employed with caution, however, since the display process might never get to the bottom of the image before being aborted, resulting in the lower part of the screen being several passes worse than the upper. In most cases it’s probably best to abort an output pass only if the whole file has arrived and you want to begin the final output pass immediately.

When receiving data across a communication link, we recommend always using the current input scan number for the output target scan number; if a higher-quality final pass is to be done, it should be started (aborting any incomplete output pass) as soon as the end of file is received. However, many other strategies are possible. For example, the application can examine the parameters of the current input scan and decide whether to display it or not. If the scan contains only chroma data, one might choose not to use it as the target scan, expecting that the scan will be small and will arrive quickly. To skip to the next scan, call jpeg_consume_input() until it returns JPEG_REACHED_SOS or JPEG_REACHED_EOI. Or just use the next higher number as the target scan for jpeg_start_output(); but that method doesn’t
let you inspect the next scan’s parameters before deciding to display it.

In buffered-image mode, jpeg_start_decompress() never performs input and thus never suspends. An application that uses input suspension with buffered-image mode must be prepared for suspension returns from these routines:
* jpeg_start_output() performs input only if you request 2-pass quantization and the target scan isn’t fully read yet. (This is discussed below.)
* jpeg_read_scanlines(), as always, returns the number of scanlines that it was able to produce before suspending.
* jpeg_finish_output() will read any markers following the target scan, up to the end of the file or the SOS marker that begins another scan. (But it reads no input if jpeg_consume_input() has already reached the end of the file or a SOS marker beyond the target output scan.)
* jpeg_finish_decompress() will read until the end of file, and thus can suspend if the end hasn’t already been reached (as can be tested by calling jpeg_input_complete()).

jpeg_start_output(), jpeg_finish_output(), and jpeg_finish_decompress() all return TRUE if they completed their tasks, FALSE if they had to suspend. In the event of a FALSE return, the application must load more input data and repeat the call. Applications that use non-suspending data sources need not check the return values of these three routines.

It is possible to change decoding parameters between output passes in the buffered-image mode. The decoder library currently supports only very limited changes of parameters. ONLY THE FOLLOWING parameter changes are allowed after jpeg_start_decompress() is called:
* dct_method can be changed before each call to jpeg_start_output(). For example, one could use a fast DCT method for early scans, changing to a higher quality method for the final scan.
* dither_mode can be changed before each call to jpeg_start_output(); of course this has no impact if not using color quantization. Typically one would use ordered dither for initial passes, then switch to Floyd-Steinberg dither for the final pass. Caution: changing dither mode can cause more memory to be allocated by the library. Although the amount of memory involved is not large (a scanline or so), it may cause the initial max_memory_to_use specification to be exceeded, which in the worst case would result in an out-of-memory failure.
* do_block_smoothing can be changed before each call to jpeg_start_output(). This setting is relevant only when decoding a progressive JPEG image. During the first DC-only scan, block smoothing provides a very “fuzzy” look instead of the very “blocky” look seen without it; which is better seems a matter of personal taste. But block smoothing is nearly always a win during later stages, especially when decoding a successive-approximation image: smoothing helps to hide the slight blockiness that otherwise shows up on smooth gradients until the lowest coefficient bits are sent.
* Color quantization mode can be changed under the rules described below. You *cannot* change between full-color and quantized output (because that would alter the required I/O buffer sizes), but you can change which quantization method is used.

When generating color-quantized output, changing quantization method is a very useful way of switching between high-speed and high-quality display. The library allows you to change among its three quantization methods:

1. Single-pass quantization to a fixed color cube.
   
   Selected by cinfo.two_pass_quantize = FALSE and cinfo.colormap = NULL.

2. Single-pass quantization to an application-supplied colormap.
   
   Selected by setting cinfo.colormap to point to the colormap (the value of two_pass_quantize is ignored); also set cinfo.actual_number_of_colors.

3. Two-pass quantization to a colormap chosen specifically for the image.
   
   Selected by cinfo.two_pass_quantize = TRUE and cinfo.colormap = NULL.

   (This is the default setting selected by jpeg_read_header, but it is probably NOT what you want for the first pass of progressive display!)

   These methods offer successively better quality and lesser speed. However, only the first method is available for quantizing in non-RGB color spaces.

   IMPORTANT: because the different quantizer methods have very different working-storage requirements, the library requires you to indicate which one(s) you intend to use before you call jpeg_start_decompress(). (If we did not require this, the max_memory_to_use setting would be a complete fiction.) You do this by setting one or more of these three cinfo fields to TRUE:

   - enable_1pass_quant = Fixed color cube colormap
   - enable_external_quant = Externally-supplied colormap
   - enable_2pass_quant = Two-pass custom colormap

   All three are initialized FALSE by jpeg_read_header(). But jpeg_start_decompress() automatically sets TRUE the one selected by the current two_pass_quantize and colormap settings, so you only need to set the enable flags for any other quantization methods you plan to change to later.

   After setting the enable flags correctly at jpeg_start_decompress() time, you can change to any enabled quantization method by setting two_pass_quantize and colormap properly just before calling jpeg_start_output(). The following special rules apply:

   1. You must explicitly set cinfo.colormap to NULL when switching to 1-pass or 2-pass mode from a different mode, or when you want the 2-pass quantizer to be re-run to generate a new colormap.

   2. To switch to an external colormap, or to change to a different external colormap than was used on the prior pass, you must call jpeg_new_colormap() after setting cinfo.colormap.

   NOTE: if you want to use the same colormap as was used in the prior pass, you should not do either of these things. This will save some nontrivial switchover costs.

   (These requirements exist because cinfo.colormap will always be non-NULL after completing a prior output pass, since both the 1-pass and 2-pass...
quantizers set it to point to their output colormaps. Thus you have to
do one of these two things to notify the library that something has changed.
Yup, it's a bit klugy, but it's necessary to do it this way for backwards
compatibility.)

Note that in buffered-image mode, the library generates any requested colormap
during jpeg_start_output(), not during jpeg_start_decompress().

When using two-pass quantization, jpeg_start_output() makes a pass over the
buffered image to determine the optimum color map; it therefore may take a
significant amount of time, whereas ordinarily it does little work. The
progress monitor hook is called during this pass, if defined. It is also
important to realize that if the specified target scan number is greater than
or equal to the current input scan number, jpeg_start_output() will attempt
to consume input as it makes this pass. If you use a suspending data source,
you need to check for a FALSE return from jpeg_start_output() under these
conditions. The combination of 2-pass quantization and a not-yet-fully-read
target scan is the only case in which jpeg_start_output() will consume input.

Application authors who support buffered-image mode may be tempted to use it
for all JPEG images, even single-scan ones. This will work, but it is
inefficient: there is no need to create an image-sized coefficient buffer for
single-scan images. Requesting buffered-image mode for such an image wastes
memory. Worse, it can cost time on large images, since the buffered data has
to be swapped out or written to a temporary file. If you are concerned about
maximum performance on baseline JPEG files, you should use buffered-image
mode only when the incoming file actually has multiple scans. This can be
tested by calling jpeg_has_multiple_scans(), which will return a correct
result at any time after jpeg_read_header() completes.

It is also worth noting that when you use jpeg_consume_input() to let input
processing get ahead of output processing, the resulting pattern of access to
the coefficient buffer is quite nonsequential. It's best to use the memory
manager jmemnobs.c if you can (ie, if you have enough real or virtual main
memory). If not, at least make sure that max_memory_to_use is set as high as
possible. If the JPEG memory manager has to use a temporary file, you will
probably see a lot of disk traffic and poor performance. (This could be
improved with additional work on the memory manager, but we haven't gotten
around to it yet.)

In some applications it may be convenient to use jpeg_consume_input() for all
input processing, including reading the initial markers; that is, you may
wish to call jpeg_consume_input() instead of jpeg_read_header() during
startup. This works, but note that you must check for JPEG_REACHED_SOS and
JPEG_REACHED_EOI return codes as the equivalent of jpeg_read_header's codes.
Once the first SOS marker has been reached, you must call
jpeg_start_decompress() before jpeg_consume_input() will consume more input;
it'll just keep returning JPEG_REACHED_SOS until you do. If you read a
Tables-only file this way, jpeg_consume_input() will return JPEG_REACHED_EOI
without ever returning JPEG_REACHED_SOS; be sure to check for this case.
If this happens, the decompressor will not read any more input until you call
jpeg_abort() to reset it. It is OK to call jpeg_consume_input() even when not
using buffered-image mode, but in that case it's basically a no-op after the
initial markers have been read: it will just return JPEG_SUSPENDED.

Abbreviated datastreams and multiple images

A JPEG compression or decompression object can be reused to process multiple
images. This saves a small amount of time per image by eliminating the
"create" and "destroy" operations, but that isn't the real purpose of the
feature. Rather, reuse of an object provides support for abbreviated JPEG
datastreams. Object reuse can also simplify processing a series of images in
a single input or output file. This section explains these features.

A JPEG file normally contains several hundred bytes worth of quantization
and Huffman tables. In a situation where many images will be stored or
transmitted with identical tables, this may represent an annoying overhead.
The JPEG standard therefore permits tables to be omitted. The standard
defines three classes of JPEG datastreams:
* "Interchange" datastreams contain an image and all tables needed to decode
  the image. These are the usual kind of JPEG file.
* "Abbreviated image" datastreams contain an image, but are missing some or
  all of the tables needed to decode that image.
* "Abbreviated table specification" (henceforth "tables-only") datastreams
  contain only table specifications.
To decode an abbreviated image, it is necessary to load the missing table(s)
into the decoder beforehand. This can be accomplished by reading a separate
tables-only file. A variant scheme uses a series of images in which the first
image is an interchange (complete) datastream, while subsequent ones are
abbreviated and rely on the tables loaded by the first image. It is assumed
that once the decoder has read a table, it will remember that table until a
new definition for the same table number is encountered.

It is the application designer's responsibility to figure out how to associate
the correct tables with an abbreviated image. While abbreviated datastreams
can be useful in a closed environment, their use is strongly discouraged in
any situation where data exchange with other applications might be needed.
Caveat designer.

The JPEG library provides support for reading and writing any combination of
tables-only datastreams and abbreviated images. In both compression and
decompression objects, a quantization or Huffman table will be retained for
the lifetime of the object, unless it is overwritten by a new table definition.
To create abbreviated image datastreams, it is only necessary to tell the compressor not to emit some or all of the tables it is using. Each quantization and Huffman table struct contains a boolean field “sent_table”, which normally is initialized to FALSE. For each table used by the image, the header-writing process emits the table and sets sent_table = TRUE unless it is already TRUE. (In normal usage, this prevents outputting the same table definition multiple times, as would otherwise occur because the chroma components typically share tables.) Thus, setting this field to TRUE before calling jpeg_start_compress() will prevent the table from being written at all.

If you want to create a "pure" abbreviated image file containing no tables, just call "jpeg_suppress_tables(&cinfo, TRUE)" after constructing all the tables. If you want to emit some but not all tables, you'll need to set the individual sent_table fields directly.

To create an abbreviated image, you must also call jpeg_start_compress() with a second parameter of FALSE, not TRUE. Otherwise jpeg_start_compress() will force all the sent_table fields to FALSE. (This is a safety feature to prevent abbreviated images from being created accidentally.)

To create a tables-only file, perform the same parameter setup that you normally would, but instead of calling jpeg_start_compress() and so on, call jpeg_write_tables(&cinfo). This will write an abbreviated datastream containing only SOI, DQT and/or DHT markers, and EOI. All the quantization and Huffman tables that are currently defined in the compression object will be emitted unless their sent_tables flag is already TRUE, and then all the sent_tables flags will be set TRUE.

A sure-fire way to create matching tables-only and abbreviated image files is to proceed as follows:

create JPEG compression object
set JPEG parameters
set destination to tables-only file
jpeg_write_tables(&cinfo);
set destination to image file
jpeg_start_compress(&cinfo, FALSE);
write data...
jpeg_finish_compress(&cinfo);

Since the JPEG parameters are not altered between writing the table file and the abbreviated image file, the same tables are sure to be used. Of course, you can repeat the jpeg_start_compress() ... jpeg_finish_compress() sequence many times to produce many abbreviated image files matching the table file.
You cannot suppress output of the computed Huffman tables when Huffman optimization is selected. (If you could, there'd be no way to decode the image...) Generally, you don't want to set optimize_coding = TRUE when you are trying to produce abbreviated files.

In some cases you might want to compress an image using tables which are not stored in the application, but are defined in an interchange or tables-only file readable by the application. This can be done by setting up a JPEG decompression object to read the specification file, then copying the tables into your compression object. See jpeg_copy_critical_parameters() for an example of copying quantization tables.

To read abbreviated image files, you simply need to load the proper tables into the decompression object before trying to read the abbreviated image. If the proper tables are stored in the application program, you can just allocate the table structs and fill in their contents directly. For example, to load a fixed quantization table into table slot "n":

```c
if (cinfo.quant_tbl_ptrs[n] == NULL)
    cinfo.quant_tbl_ptrs[n] = jpeg_alloc_quant_table((j_common_ptr *)&cinfo);
quant_ptr = cinfo.quant_tbl_ptrs[n]; /* quant_ptr is JQUANT_TBL*/
for (i = 0; i < 64; i++) {
    /* Qtable[] is desired quantization table, in natural array order */
    quant_ptr->quantval[i] = Qtable[i];
}
```

Code to load a fixed Huffman table is typically (for AC table "n"):

```c
if (cinfo.ac_huff_tbl_ptrs[n] == NULL)
    cinfo.ac_huff_tbl_ptrs[n] = jpeg_alloc_huff_table((j_common_ptr *)&cinfo);
huff_ptr = cinfo.ac_huff_tbl_ptrs[n]; /* huff_ptr is JHUFF_TBL*/
for (i = 1; i <= 16; i++) {
    /* counts[i] is number of Huffman codes of length i bits, i=1..16 */
    huff_ptr->bits[i] = counts[i];
}
for (i = 0; i < 256; i++) {
    /* symbols[] is the list of Huffman symbols, in code-length order */
    huff_ptr->huffval[i] = symbols[i];
}
```

(Note that trying to set cinfo.quant_tbl_ptrs[n] to point directly at a constant JQUANT_TBL object is not safe. If the incoming file happened to contain a quantization table definition, your master table would get overwritten! Instead allocate a working table copy and copy the master table into it, as illustrated above. Ditto for Huffman tables, of course.)

You might want to read the tables from a tables-only file, rather than
hard-wiring them into your application. The jpeg_read_header() call is sufficient to read a tables-only file. You must pass a second parameter of FALSE to indicate that you do not require an image to be present. Thus, the typical scenario is

create JPEG decompression object
set source to tables-only file
jpeg_read_header(&cinfo, FALSE);
set source to abbreviated image file
jpeg_read_header(&cinfo, TRUE);
set decompression parameters
jpeg_start_decompress(&cinfo);
read data...
jpeg_finish_decompress(&cinfo);

In some cases, you may want to read a file without knowing whether it contains an image or just tables. In that case, pass FALSE and check the return value from jpeg_read_header(): it will be JPEG_HEADER_OK if an image was found, JPEG_HEADER_TABLES_ONLY if only tables were found. (A third return value, JPEG_SUSPENDED, is possible when using a suspending data source manager.) Note that jpeg_read_header() will not complain if you read an abbreviated image for which you haven't loaded the missing tables; the missing-table check occurs later, in jpeg_start_decompress().

It is possible to read a series of images from a single source file by repeating the jpeg_read_header() ... jpeg_finish_decompress() sequence, without releasing/recreating the JPEG object or the data source module. (If you did reinitialize, any partial bufferload left in the data source buffer at the end of one image would be discarded, causing you to lose the start of the next image.) When you use this method, stored tables are automatically carried forward, so some of the images can be abbreviated images that depend on tables from earlier images.

If you intend to write a series of images into a single destination file, you might want to make a specialized data destination module that doesn't flush the output buffer at term_destination() time. This would speed things up by some trifling amount. Of course, you'd need to remember to flush the buffer after the last image. You can make the later images be abbreviated ones by passing FALSE to jpeg_start_compress().

Special markers
---------------

Some applications may need to insert or extract special data in the JPEG datastream. The JPEG standard provides marker types "COM" (comment) and "APP0" through "APP15" (application) to hold application-specific data.
Unfortunately, the use of these markers is not specified by the standard. COM markers are fairly widely used to hold user-supplied text. The JFIF file format spec uses APP0 markers with specified initial strings to hold certain data. Adobe applications use APP14 markers beginning with the string "Adobe" for miscellaneous data. Other APPn markers are rarely seen, but might contain almost anything.

If you wish to store user-supplied text, we recommend you use COM markers and place readable 7-bit ASCII text in them. Newline conventions are not standardized --- expect to find LF (Unix style), CR/LF (DOS style), or CR (Mac style). A robust COM reader should be able to cope with random binary garbage, including nulls, since some applications generate COM markers containing non-ASCII junk. (But yours should not be one of them.)

For program-supplied data, use an APPn marker, and be sure to begin it with an identifying string so that you can tell whether the marker is actually yours. It's probably best to avoid using APP0 or APP14 for any private markers. (NOTE: the upcoming SPIFF standard will use APP8 markers; we recommend you not use APP8 markers for any private purposes, either.)

Keep in mind that at most 65533 bytes can be put into one marker, but you can have as many markers as you like.

By default, the IJG compression library will write a JFIF APP0 marker if the selected JPEG colorspace is grayscale or YCbCr, or an Adobe APP14 marker if the selected colorspace is RGB, CMYK, or YCCK. You can disable this, but we don't recommend it. The decompression library will recognize JFIF and Adobe markers and will set the JPEG colorspace properly when one is found.

You can write special markers immediately following the datastream header by calling jpeg_write_marker() after jpeg_start_compress() and before the first call to jpeg_write_scanlines(). When you do this, the markers appear after the SOI and the JFIF APP0 and Adobe APP14 markers (if written), but before all else. Specify the marker type parameter as "JPEG_COM" for COM or "JPEG_APP0 + n" for APPn. (Actually, jpeg_write_marker will let you write any marker type, but we don't recommend writing any other kinds of marker.) For example, to write a user comment string pointed to by comment_text:

```
jpeg_write_marker(cinfo, JPEG_COM, comment_text, strlen(comment_text));
```

If it's not convenient to store all the marker data in memory at once, you can instead call jpeg_write_m_header() followed by multiple calls to jpeg_write_m_byte(). If you do it this way, it's your responsibility to call jpeg_write_m_byte() exactly the number of times given in the length parameter to jpeg_write_m_header(). (This method lets you empty the output buffer partway through a marker, which might be important when using a suspending data destination module. In any case, if you are using a suspending destination, you should flush its buffer after inserting
any special markers. See "I/O suspension".)

Or, if you prefer to synthesize the marker byte sequence yourself, you can just cram it straight into the data destination module.

If you are writing JFIF 1.02 extension markers (thumbnail images), don't forget to set cinfo.JFIF_minor_version = 2 so that the encoder will write the correct JFIF version number in the JFIF header marker. The library's default is to write version 1.01, but that's wrong if you insert any 1.02 extension markers. (We could probably get away with just defaulting to 1.02, but there used to be broken decoders that would complain about unknown minor version numbers. To reduce compatibility risks it's safest not to write 1.02 unless you are actually using 1.02 extensions.)

When reading, two methods of handling special markers are available:
1. You can ask the library to save the contents of COM and/or APPn markers into memory, and then examine them at your leisure afterwards.
2. You can supply your own routine to process COM and/or APPn markers on-the-fly as they are read.

The first method is simpler to use, especially if you are using a suspending data source; writing a marker processor that copes with input suspension is not easy (consider what happens if the marker is longer than your available input buffer). However, the second method conserves memory since the marker data need not be kept around after it's been processed.

For either method, you'd normally set up marker handling after creating a decompression object and before calling jpeg_read_header(), because the markers of interest will typically be near the head of the file and so will be scanned by jpeg_read_header. Once you've established a marker handling method, it will be used for the life of that decompression object (potentially many data streams), unless you change it. Marker handling is determined separately for COM markers and for each APPn marker code.

To save the contents of special markers in memory, call jpeg_save_markers(cinfo, marker_code, length_limit)
where marker_code is the marker type to save, JPEG_COM or JPEG_APP0+n.
(To arrange to save all the special marker types, you need to call this routine 17 times, for COM and APP0-APP15.) If the incoming marker is longer than length_limit data bytes, only length_limit bytes will be saved; this parameter allows you to avoid chewing up memory when you only need to see the first few bytes of a potentially large marker. If you want to save all the data, set length_limit to 0xFFFF; that is enough since marker lengths are only 16 bits. As a special case, setting length_limit to 0 prevents that marker type from being saved at all. (That is the default behavior, in fact.)

After jpeg_read_header() completes, you can examine the special markers by
following the cinfo->marker_list pointer chain. All the special markers in
the file appear in this list, in order of their occurrence in the file (but
omitting any markers of types you didn't ask for). Both the original data
length and the saved data length are recorded for each list entry; the latter
will not exceed length_limit for the particular marker type. Note that these
lengths exclude the marker length word, whereas the stored representation
within the JPEG file includes it. (Hence the maximum data length is really
only 65533.)

It is possible that additional special markers appear in the file beyond the
SOS marker at which jpeg_read_header stops; if so, the marker list will be
extended during reading of the rest of the file. This is not expected to be
common, however. If you are short on memory you may want to reset the length
limit to zero for all marker types after finishing jpeg_read_header, to
ensure that the max_memory_to_use setting cannot be exceeded due to addition
of later markers.

The marker list remains stored until you call jpeg_finish_decompress or
jpeg_abort, at which point the memory is freed and the list is set to empty.
(jpeg_destroy also releases the storage, of course.)

Note that the library is internally interested in APP0 and APP14 markers;
if you try to set a small nonzero length limit on these types, the library
will silently force the length up to the minimum it wants. (But you can set
a zero length limit to prevent them from being saved at all.) Also, in a
16-bit environment, the maximum length limit may be constrained to less than
65533 by malloc() limitations. It is therefore best not to assume that the
effective length limit is exactly what you set it to be.

If you want to supply your own marker-reading routine, you do it by calling
jpeg_set_marker_processor(). A marker processor routine must have the
signature

    boolean jpeg_marker_parser_method (j_decompress_ptr cinfo)

Although the marker code is not explicitly passed, the routine can find it
in cinfo->unread_marker. At the time of call, the marker proper has been
read from the data source module. The processor routine is responsible for
reading the marker length word and the remaining parameter bytes, if any.
Return TRUE to indicate success. (FALSE should be returned only if you are
using a suspending data source and it tells you to suspend. See the standard
marker processors in jdmarker.c for appropriate coding methods if you need to
use a suspending data source.)

If you override the default APP0 or APP14 processors, it is up to you to
recognize JFIF and Adobe markers if you want colorspace recognition to occur
properly. We recommend copying and extending the default processors if you
want to do that. (A better idea is to save these marker types for later
examination by calling jpeg_save_markers(); that method doesn't interfere
with the library's own processing of these markers.)

`jpeg_set_marker_processor()` and `jpeg_save_markers()` are mutually exclusive --- if you call one it overrides any previous call to the other, for the particular marker type specified.

A simple example of an external COM processor can be found in `djpeg.c`. Also, see `jpegtran.c` for an example of using `jpeg_save_markers`.

Raw (downsampled) image data
----------------------------

Some applications need to supply already-downsampled image data to the JPEG compressor, or to receive raw downsampled data from the decompressor. The library supports this requirement by allowing the application to write or read raw data, bypassing the normal preprocessing or postprocessing steps. The interface is different from the standard one and is somewhat harder to use. If your interest is merely in bypassing color conversion, we recommend that you use the standard interface and simply set `jpeg_color_space = in_color_space` (or `jpeg_color_space = out_color_space` for decompression).

The mechanism described in this section is necessary only to supply or receive downsampled image data, in which not all components have the same dimensions.

To compress raw data, you must supply the data in the colorspace to be used in the JPEG file (please read the earlier section on Special color spaces) and downsampled to the sampling factors specified in the JPEG parameters. You must supply the data in the format used internally by the JPEG library, namely a `JSAMPIMAGE` array. This is an array of pointers to two-dimensional arrays, each of type `JSAMPARRAY`. Each 2-D array holds the values for one color component. This structure is necessary since the components are of different sizes. If the image dimensions are not a multiple of the MCU size, you must also pad the data correctly (usually, this is done by replicating the last column and/or row). The data must be padded to a multiple of a DCT block in each component: that is, each downsampled row must contain a multiple of `DCT_h_scaled_size` valid samples, and there must be a multiple of `DCT_v_scaled_size` sample rows for each component. (For applications such as conversion of digital TV images, the standard image size is usually a multiple of the DCT block size, so that no padding need actually be done.)

The procedure for compression of raw data is basically the same as normal compression, except that you call `jpeg_write_raw_data()` in place of `jpeg_write_scanlines()`. Before calling `jpeg_start_compress()`, you must do the following:

* Set `cinfo->raw_data_in` to TRUE. (It is set FALSE by `jpeg_set_defaults()`.)

This notifies the library that you will be supplying raw data.
* Ensure jpeg_color_space is correct --- an explicit jpeg_set_colorspace() call is a good idea. Note that since color conversion is bypassed, in_color_space is ignored, except that jpeg_set_defaults() uses it to choose the default jpeg_color_space setting.
* Ensure the sampling factors, cinfo->comp_info[i].h_samp_factor and cinfo->comp_info[i].v_samp_factor, are correct. Since these indicate the dimensions of the data you are supplying, it's wise to set them explicitly, rather than assuming the library's defaults are what you want.

To pass raw data to the library, call jpeg_write_raw_data() in place of jpeg_write_scanlines(). The two routines work similarly except that jpeg_write_raw_data takes a JSAMPIMAGE data array rather than JSAMPARRAY. The scanlines count passed to and returned from jpeg_write_raw_data is measured in terms of the component with the largest v_samp_factor.

jpeg_write_raw_data() processes one MCU row per call, which is to say v_samp_factor*min_DCT_v_scaled_size sample rows of each component. The passed num_lines value must be at least max_v_samp_factor*min_DCT_v_scaled_size, and the return value will be exactly that amount (or possibly some multiple of that amount, in future library versions). This is true even on the last call at the bottom of the image; don't forget to pad your data as necessary.

The required dimensions of the supplied data can be computed for each component as

\[
cinfo->comp_info[i].width_in_blocks * cinfo->comp_info[i].DCT_h_scaled_size \text{ samples per row}
\]
\[
cinfo->comp_info[i].height_in_blocks * cinfo->comp_info[i].DCT_v_scaled_size \text{ rows in image}
\]

after jpeg_start_compress() has initialized those fields. If the valid data is smaller than this, it must be padded appropriately. For some sampling factors and image sizes, additional dummy DCT blocks are inserted to make the image a multiple of the MCU dimensions. The library creates such dummy blocks itself; it does not read them from your supplied data. Therefore you need never pad by more than DCT_scaled_size samples.

An example may help here. Assume 2h2v downsampling of YCbCr data, that is

\[
cinfo->comp_info[0].h_samp_factor = 2 \text{ for Y}
\]
\[
cinfo->comp_info[0].v_samp_factor = 2
\]
\[
cinfo->comp_info[1].h_samp_factor = 1 \text{ for Cb}
\]
\[
cinfo->comp_info[1].v_samp_factor = 1
\]
\[
cinfo->comp_info[2].h_samp_factor = 1 \text{ for Cr}
\]
\[
cinfo->comp_info[2].v_samp_factor = 1
\]

and suppose that the nominal image dimensions (cinfo->image_width and cinfo->image_height) are 101x101 pixels. Then jpeg_start_compress() will compute downsampled_width = 101 and width_in_blocks = 13 for Y, downsampled_width = 51 and width_in_blocks = 7 for Cb and Cr (and the same for the height fields). You must pad the Y data to at least 13*8 = 104 columns and rows, the Cb/Cr data to at least 7*8 = 56 columns and rows. The MCU height is max_v_samp_factor = 2 DCT rows so you must pass at least 16...
scanlines on each call to jpeg_write_raw_data(), which is to say 16 actual sample rows of Y and 8 each of Cb and Cr. A total of 7 MCU rows are needed, so you must pass a total of 7*16 = 112 "scanlines". The last DCT block row of Y data is dummy, so it doesn't matter what you pass for it in the data arrays, but the scanlines count must total up to 112 so that all of the Cb and Cr data gets passed.

Output suspension is supported with raw-data compression: if the data destination module suspends, jpeg_write_raw_data() will return 0. In this case the same data rows must be passed again on the next call.

Decompression with raw data output implies bypassing all postprocessing: you cannot ask for color quantization, for instance. More seriously, you must deal with the color space and sampling factors present in the incoming file. If your application only handles, say, 2h1v YCbCr data, you must check for and fail on other color spaces or other sampling factors. The library will not convert to a different color space for you.

To obtain raw data output, set cinfo->raw_data_out = TRUE before jpeg_start_decompress() (it is set FALSE by jpeg_read_header()). Be sure to verify that the color space and sampling factors are ones you can handle. Then call jpeg_read_raw_data() in place of jpeg_read_scanlines(). The decompression process is otherwise the same as usual.

jpeg_read_raw_data() returns one MCU row per call, and thus you must pass a buffer of at least max_v_samp_factor*min_DCT_v_scaled_size scanlines (scanline counting is the same as for raw-data compression). The buffer you pass must be large enough to hold the actual data plus padding to DCT-block boundaries. As with compression, any entirely dummy DCT blocks are not processed so you need not allocate space for them, but the total scanline count includes them. The above example of computing buffer dimensions for raw-data compression is equally valid for decompression.

Input suspension is supported with raw-data decompression: if the data source module suspends, jpeg_read_raw_data() will return 0. You can also use buffered-image mode to read raw data in multiple passes.

Really raw data: DCT coefficients
----------------------------------

It is possible to read or write the contents of a JPEG file as raw DCT coefficients. This facility is mainly intended for use in lossless transcoding between different JPEG file formats. Other possible applications include lossless cropping of a JPEG image, lossless reassembly of a multi-strip or multi-tile TIFF/JPEG file into a single JPEG datastream, etc.
To read the contents of a JPEG file as DCT coefficients, open the file and do jpeg_read_header() as usual. But instead of calling jpeg_start_decompress() and jpeg_read_scanlines(), call jpeg_read_coefficients(). This will read the entire image into a set of virtual coefficient-block arrays, one array per component. The return value is a pointer to an array of virtual-array descriptors. Each virtual array can be accessed directly using the JPEG memory manager's access_virt_barray method (see Memory management, below, and also read structure.txt's discussion of virtual array handling). Or, for simple transcoding to a different JPEG file format, the array list can just be handed directly to jpeg_write_coefficients().

Each block in the block arrays contains quantized coefficient values in normal array order (not JPEG zigzag order). The block arrays contain only DCT blocks containing real data; any entirely-dummy blocks added to fill out interleaved MCUs at the right or bottom edges of the image are discarded during reading and are not stored in the block arrays. (The size of each block array can be determined from the width_in_blocks and height_in_blocks fields of the component's comp_info entry.) This is also the data format expected by jpeg_write_coefficients().

When you are done using the virtual arrays, call jpeg_finish_decompress() to release the array storage and return the decompression object to an idle state; or just call jpeg_destroy() if you don't need to reuse the object.

If you use a suspending data source, jpeg_read_coefficients() will return NULL if it is forced to suspend; a non-NULL return value indicates successful completion. You need not test for a NULL return value when using a non-suspending data source.

It is also possible to call jpeg_read_coefficients() to obtain access to the decoder's coefficient arrays during a normal decode cycle in buffered-image mode. This frammish might be useful for progressively displaying an incoming image and then re-encoding it without loss. To do this, decode in buffered-image mode as discussed previously, then call jpeg_read_coefficients() after the last jpeg_finish_output() call. The arrays will be available for your use until you call jpeg_finish_decompress().

To write the contents of a JPEG file as DCT coefficients, you must provide the DCT coefficients stored in virtual block arrays. You can either pass block arrays read from an input JPEG file by jpeg_read_coefficients(), or allocate virtual arrays from the JPEG compression object and fill them yourself. In either case, jpeg_write_coefficients() is substituted for jpeg_start_compress() and jpeg_write_scanlines(). Thus the sequence is

* Create compression object
* Set all compression parameters as necessary
* Request virtual arrays if needed
* jpeg_write_coefficients()
* jpeg_finish_compress()
* Destroy or re-use compression object

jpeg_write_coefficients() is passed a pointer to an array of virtual block array descriptors; the number of arrays is equal to cinfo.num_components.

The virtual arrays need only have been requested, not realized, before jpeg_write_coefficients() is called. A side-effect of jpeg_write_coefficients() is to realize any virtual arrays that have been requested from the compression object's memory manager. Thus, when obtaining the virtual arrays from the compression object, you should fill the arrays after calling jpeg_write_coefficients(). The data is actually written out when you call jpeg_finish_compress(); jpeg_write_coefficients() only writes the file header.

When writing raw DCT coefficients, it is crucial that the JPEG quantization tables and sampling factors match the way the data was encoded, or the resulting file will be invalid. For transcoding from an existing JPEG file, we recommend using jpeg_copy_critical_parameters(). This routine initializes all the compression parameters to default values (like jpeg_set_defaults()), then copies the critical information from a source decompression object. The decompression object should have just been used to read the entire JPEG input file --- that is, it should be awaiting jpeg_finish_decompress().

jpeg_write_coefficients() marks all tables stored in the compression object as needing to be written to the output file (thus, it acts like jpeg_start_compress(cinfo, TRUE)). This is for safety's sake, to avoid emitting abbreviated JPEG files by accident. If you really want to emit an abbreviated JPEG file, call jpeg_suppress_tables(), or set the tables' individual sent_table flags, between calling jpeg_write_coefficients() and jpeg_finish_compress().

Progress monitoring
--------------------

Some applications may need to regain control from the JPEG library every so often. The typical use of this feature is to produce a percent-done bar or other progress display. (For a simple example, see cjpeg.c or djpeg.c.) Although you do get control back frequently during the data-transferring pass (the jpeg_read_scanlines or jpeg_write_scanlines loop), any additional passes will occur inside jpeg_finish_compress or jpeg_start_decompress; those routines may take a long time to execute, and you don't get control back until they are done.

You can define a progress-monitor routine which will be called periodically by the library. No guarantees are made about how often this call will occur, so we don't recommend you use it for mouse tracking or anything like that. At present, a call will occur once per MCU row, scanline, or sample row.
group, whichever unit is convenient for the current processing mode; so the
taller the image, the longer the time between calls. During the data
transferring pass, only one call occurs per call of jpeg_read_scanlines or
cjpeg_write_scanlines, so don’t pass a large number of scanlines at once if
you want fine resolution in the progress count. (If you really need to use
the callback mechanism for time-critical tasks like mouse tracking, you could
insert additional calls inside some of the library’s inner loops.)

To establish a progress-monitor callback, create a struct jpeg_progress_mgr,
fill in its progress_monitor field with a pointer to your callback routine,
and set cinfo->progress to point to the struct. The callback will be called
whenever cinfo->progress is non-NULL. (This pointer is set to NULL by
jpeg_create_compress or jpeg_create_decompress; the library will not change
it thereafter. So if you allocate dynamic storage for the progress struct,
make sure it will live as long as the JPEG object does. Allocating from the
JPEG memory manager with lifetime JPOOL_PERMANENT will work nicely.) You
can use the same callback routine for both compression and decompression.

The jpeg_progress_mgr struct contains four fields which are set by the library:
long pass_counter;/* work units completed in this pass */
long pass_limit;/* total number of work units in this pass */
int completed_passes;/* passes completed so far */
int total_passes;/* total number of passes expected */

During any one pass, pass_counter increases from 0 up to (not including)
pas limit; the step size is usually but not necessarily 1. The pass_limit
value may change from one pass to another. The expected total number of
passes is in total_passes, and the number of passes already completed is in
completed_passes. Thus the fraction of work completed may be estimated as
completed_passes + (pass_counter/pass_limit)

--------------------------------------------
total_passes

ignoring the fact that the passes may not be equal amounts of work.

When decompressing, pass_limit can even change within a pass, because it
depends on the number of scans in the JPEG file, which isn't always known in
advance. The computed fraction-of-work-done may jump suddenly (if the library
discovers it has overestimated the number of scans) or even decrease (in the
opposite case). It is not wise to put great faith in the work estimate.

When using the decompressor's buffered-image mode, the progress monitor work
estimate is likely to be completely unhelpful, because the library has no way
to know how many output passes will be demanded of it. Currently, the library
sets total_passes based on the assumption that there will be one more output
pass if the input file end hasn't yet been read (jpeg_input_complete() isn't
TRUE), but no more output passes if the file end has been reached when the
output pass is started. This means that total_passes will rise as additional
output passes are requested. If you have a way of determining the input file
size, estimating progress based on the fraction of the file that's been read
will probably be more useful than using the library's value.

Memory management
-------------------

This section covers some key facts about the JPEG library's built-in memory manager. For more info, please read structure.txt's section about the memory manager, and consult the source code if necessary.

All memory and temporary file allocation within the library is done via the memory manager. If necessary, you can replace the "back end" of the memory manager to control allocation yourself (for example, if you don't want the library to use malloc() and free() for some reason).

Some data is allocated "permanently" and will not be freed until the JPEG object is destroyed. Most data is allocated "per image" and is freed by jpeg_finish_compress, jpeg_finish_decompress, or jpeg_abort. You can call the memory manager yourself to allocate structures that will automatically be freed at these times. Typical code for this is

```
ptr = (*cinfo->mem->alloc_small) ((j_common_ptr) cinfo, JPOOL_IMAGE, size);
```

Use JPOOL_PERMANENT to get storage that lasts as long as the JPEG object. Use alloc_large instead of alloc_small for anything bigger than a few Kbytes.

There are also alloc_sarray and alloc_barray routines that automatically build 2-D sample or block arrays.

The library's minimum space requirements to process an image depend on the image's width, but not on its height, because the library ordinarily works with "strip" buffers that are as wide as the image but just a few rows high. Some operating modes (eg, two-pass color quantization) require full-image buffers. Such buffers are treated as "virtual arrays": only the current strip need be in memory, and the rest can be swapped out to a temporary file.

If you use the simplest memory manager back end (jmemnobs.c), then no temporary files are used; virtual arrays are simply malloc()'d. Images bigger than memory can be processed only if your system supports virtual memory. The other memory manager back ends support temporary files of various flavors and thus work in machines without virtual memory. They may also be useful on Unix machines if you need to process images that exceed available swap space.

When using temporary files, the library will make the in-memory buffers for its virtual arrays just big enough to stay within a "maximum memory" setting. Your application can set this limit by setting cinfo->mem->max_memory_to_use after creating the JPEG object. (Of course, there is still a minimum size for the buffers, so the max-memory setting is effective only if it is bigger than the minimum space needed.) If you allocate any large structures yourself, you must allocate them before jpeg_start_compress() or jpeg_start_decompress() in order to have them counted against the max memory limit. Also keep in mind
that space allocated with alloc_small() is ignored, on the assumption that it's too small to be worth worrying about; so a reasonable safety margin should be left when setting max_memory_to_use.

If you use the jmemname.c or jmemdos.c memory manager back end, it is important to clean up the JPEG object properly to ensure that the temporary files get deleted. (This is especially crucial with jmemdos.c, where the "temporary files" may be extended-memory segments; if they are not freed, DOS will require a reboot to recover the memory.) Thus, with these memory managers, it's a good idea to provide a signal handler that will trap any early exit from your program. The handler should call either jpeg_abort() or jpeg_destroy() for any active JPEG objects. A handler is not needed with jmemnobs.c, and shouldn't be necessary with jmemansi.c or jmemmac.c either, since the C library is supposed to take care of deleting files made with tmpfile().

Memory usage
-----------

Working memory requirements while performing compression or decompression depend on image dimensions, image characteristics (such as colorspace and JPEG process), and operating mode (application-selected options). As of v6b, the decompressor requires:

1. About 24K in more-or-less-fixed-size data. This varies a bit depending on operating mode and image characteristics (particularly color vs. grayscale), but it doesn't depend on image dimensions.
2. Strip buffers (of size proportional to the image width) for IDCT and upsampling results. The worst case for commonly used sampling factors is about 34 bytes * width in pixels for a color image. A grayscale image only needs about 8 bytes per pixel column.
3. A full-image DCT coefficient buffer is needed to decode a multi-scan JPEG file (including progressive JPEGs), or whenever you select buffered-image mode. This takes 2 bytes/coefficient. At typical 2x2 sampling, that's 3 bytes per pixel for a color image. Worst case (1x1 sampling) requires 6 bytes/pixel. For grayscale, figure 2 bytes/pixel.
4. To perform 2-pass color quantization, the decompressor also needs a 128K color lookup table and a full-image pixel buffer (3 bytes/pixel). This does not count any memory allocated by the application, such as a buffer to hold the final output image.

The above figures are valid for 8-bit JPEG data precision and a machine with 32-bit ints. For 9-bit to 12-bit JPEG data, double the size of the strip buffers and quantization pixel buffer. The "fixed-size" data will be somewhat smaller with 16-bit ints, larger with 64-bit ints. Also, CMYK or other unusual color spaces will require different amounts of space.
The full-image coefficient and pixel buffers, if needed at all, do not have to be fully RAM resident; you can have the library use temporary files instead when the total memory usage would exceed a limit you set. (But if your OS supports virtual memory, it's probably better to just use jmemnobs and let the OS do the swapping.)

The compressor's memory requirements are similar, except that it has no need for color quantization. Also, it needs a full-image DCT coefficient buffer if Huffman-table optimization is asked for, even if progressive mode is not requested.

If you need more detailed information about memory usage in a particular situation, you can enable the MEM_STATS code in jmemmgr.c.

Library compile-time options
----------------------------

A number of compile-time options are available by modifying jmorecfg.h.

The IJG code currently supports 8-bit to 12-bit sample data precision by defining BITS_IN_JSAMPLE as 8, 9, 10, 11, or 12. Note that a value larger than 8 causes JSAMPLE to be larger than a char, so it affects the surrounding application's image data. The sample applications cjpeg and djpeg can support deeper than 8-bit data only for PPM and GIF file formats; you must disable the other file formats to compile a 9-bit to 12-bit cjpeg or djpeg. (install.txt has more information about that.)

Run-time selection and conversion of data precision are currently not supported and may be added later. Exception: The transcoding part (jpegtran) supports all settings in a single instance, since it operates on the level of DCT coefficients and not sample values.

(If you need to include an 8-bit library and a 9-bit to 12-bit library for compression or decompression in a single application, you could probably do it by defining NEED_SHORT_EXTERNAL_NAMES for just one of the copies. You'd have to access the 8-bit and the 9-bit to 12-bit copies from separate application source files. This is untested ... if you try it, we'd like to hear whether it works!)

Note that the standard Huffman tables are only valid for 8-bit data precision. If you selected more than 8-bit data precision, cjpeg uses arithmetic coding by default. The Huffman encoder normally uses entropy optimization to compute usable tables for higher precision. Otherwise, you'll have to supply different default Huffman tables. You may also want to supply your own DCT quantization tables; the existing quality-scaling code has been developed for 8-bit use, and probably doesn't generate especially good tables for 9-bit to 12-bit.
The maximum number of components (color channels) in the image is determined
by MAX_COMPONENTS. The JPEG standard allows up to 255 components, but we
expect that few applications will need more than four or so.

On machines with unusual data type sizes, you may be able to improve
performance or reduce memory space by tweaking the various typedefs in
jmorecfg.h. In particular, on some RISC CPUs, access to arrays of "short"s
is quite slow; consider trading memory for speed by making JCOEF, INT16, and
UINT16 be "int" or "unsigned int". UINT8 is also a candidate to become int.
You probably don't want to make JSAMPLE be int unless you have lots of memory
to burn.

You can reduce the size of the library by compiling out various optional
functions. To do this, undefine xxx_SUPPORTED symbols as necessary.

You can also save a few K by not having text error messages in the library;
the standard error message table occupies about 5Kb. This is particularly
reasonable for embedded applications where there's no good way to display
a message anyway. To do this, remove the creation of the message table
(jpeg_std_message_table[]) from jerror.c, and alter format_message to do
something reasonable without it. You could output the numeric value of the
message code number, for example. If you do this, you can also save a couple
more K by modifying the TRACEMSN() macros in jerror.h to expand to nothing;
you don't need trace capability anyway, right?

Portability considerations
---------------------------

The JPEG library has been written to be extremely portable; the sample
applications cjpeg and djpeg are slightly less so. This section summarizes
the design goals in this area. (If you encounter any bugs that cause the
library to be less portable than is claimed here, we'd appreciate hearing
about them.)

The code works fine on ANSI C, C++, and pre-ANSI C compilers, using any of
the popular system include file setups, and some not-so-popular ones too.
See install.txt for configuration procedures.

The code is not dependent on the exact sizes of the C data types. As
distributed, we make the assumptions that
char is at least 8 bits wide
short is at least 16 bits wide
int is at least 16 bits wide
long is at least 32 bits wide
(These are the minimum requirements of the ANSI C standard.) Wider types will
work fine, although memory may be used inefficiently if char is much larger
than 8 bits or short is much bigger than 16 bits. The code should work equally well with 16- or 32-bit ints.

In a system where these assumptions are not met, you may be able to make the code work by modifying the typedefs in jmorecfg.h. However, you will probably have difficulty if int is less than 16 bits wide, since references to plain int abound in the code.

char can be either signed or unsigned, although the code runs faster if an unsigned char type is available. If char is wider than 8 bits, you will need to redefine JOCTET and/or provide custom data source/destination managers so that JOCTET represents exactly 8 bits of data on external storage.

The JPEG library proper does not assume ASCII representation of characters. But some of the image file I/O modules in cjpeg/djpeg do have ASCII dependencies in file-header manipulation; so does cjpeg's select_file_type() routine.

The JPEG library does not rely heavily on the C library. In particular, C stdio is used only by the data source/destination modules and the error handler, all of which are application-replaceable. (cjpeg/djpeg are more heavily dependent on stdio.) malloc and free are called only from the memory manager "back end" module, so you can use a different memory allocator by replacing that one file.

The code generally assumes that C names must be unique in the first 15 characters. However, global function names can be made unique in the first 6 characters by defining NEED_SHORT_EXTERNAL_NAMES.

More info about porting the code may be gleaned by reading jconfig.txt, jmorecfg.h, and jinclude.h.

Notes for MS-DOS implementors
--------------------------------

The IJG code is designed to work efficiently in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"; code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model (perhaps 10%-25%), and you should avoid "huge" model if at all possible.

The JPEG library typically needs 2Kb-3Kb of stack space. It will also malloc about 20K-30K of near heap space while executing (and lots of far heap, but that doesn't count in this calculation). This figure will vary
depending on selected operating mode, and to a lesser extent on image size. There is also about 5Kb-6Kb of constant data which will be allocated in the near data segment (about 4Kb of this is the error message table). Thus you have perhaps 20K available for other modules' static data and near heap space before you need to go to a larger memory model. The C library's static data will account for several K of this, but that still leaves a good deal for your needs. (If you are tight on space, you could reduce the sizes of the I/O buffers allocated by jdatasrc.c and jdatadst.c, say from 4K to 1K. Another possibility is to move the error message table to far memory; this should be doable with only localized hacking on jerror.c.)

About 2K of the near heap space is "permanent" memory that will not be released until you destroy the JPEG object. This is only an issue if you save a JPEG object between compression or decompression operations.

Far data space may also be a tight resource when you are dealing with large images. The most memory-intensive case is decompression with two-pass color quantization, or single-pass quantization to an externally supplied color map. This requires a 128Kb color lookup table plus strip buffers amounting to about 40 bytes per column for typical sampling ratios (eg, about 25600 bytes for a 640-pixel-wide image). You may not be able to process wide images if you have large data structures of your own.

Of course, all of these concerns vanish if you use a 32-bit flat-memory-model compiler, such as DJGPP or Watcom C. We highly recommend flat model if you can use it; the JPEG library is significantly faster in flat model.

Found in path(s):
* /opt/cola/permits/1103550007_160577850.47/0/jpegsrc-v9d-tar-gz/jpeg-9d/libjpeg.txt
No license file was found, but licenses were detected in source scan.

/*
 * jcinit.c
 * 
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * 
 * This file contains initialization logic for the JPEG compressor.
 * This routine is in charge of selecting the modules to be executed and 
 * making an initialization call to each one.
 * 
 * Logically, this code belongs in jcmaster.c. It's split out because 
 * linking this routine implies linking the entire compression library.
 * For a transcoding-only application, we want to be able to use jcmaster.c 
 * without linking in the whole library.
 */
/*
 * jcarith.c
 *
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains portable arithmetic entropy encoding routines for JPEG
 *
 * Both sequential and progressive modes are supported in this single module.
 *
 * Suspension is not currently supported in this module.
 */

1.748 rsyslog 8.1911.0 6.el8

1.748.1 Available under license:

Free Getopt
Copyright (c)2002-2003 Mark K. Kim
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in
  the documentation and/or other materials provided with the
  distribution.

* Neither the original author of this software nor the names of its
  contributors may be used to endorse or promote products derived
  from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked
Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are
based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the
object code and/or source code for the Application, including any data
and utility programs needed for reproducing the Combined Work from the
Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License
without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a
facility refers to a function or data to be supplied by an Application
that uses the facility (other than as an argument passed when the
facility is invoked), then you may convey a copy of the modified
version:

a) under this License, provided that you make a good faith effort to
ensure that, in the event an Application does not supply the
function or data, the facility still operates, and performs
whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of
this License applicable to that copy.


The object code form of an Application may incorporate material from
a header file that is part of the Library. You may convey such object
code under terms of your choice, provided that, if the incorporated
material is not limited to numerical parameters, data structure
layouts and accessors, or small macros, inline functions and templates
(ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the
Library is used in it and that the Library and its use are
covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license
document.


You may convey a Combined Work under terms of your choice that,
taken together, effectively do not restrict modification of the
portions of the Library contained in the Combined Work and reverse
engineering for debugging such modifications, if you also do each of
the following:
a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

   0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

   1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


   You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your
choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could
make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its
content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.
You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.
When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating
where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically
receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a
If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a
covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.  
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs.  If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library.  If this is what you want to do, use the GNU Lesser General Public License instead of this License.  But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

GNU GENERAL PUBLIC LICENSE  
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>  
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of
software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited
permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.
5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium
customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately.
under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you
must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.
Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to
sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.
THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read
NOTE: it is our intent to place new doc under the ASL 2.0 license. **However**
at the time of this writing, the files are under different license. Please
review the copyright section of each file to see which license applies.

Below is a copy of the ASL 2.0.

---

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and
attributions from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright {yyyy} {name of copyright owner}

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
 TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.
Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

PROTON SUBCOMPONENTS:

Proton includes freegetopt with a separate BSD license. Your use
of the source code for freegetopt is subject to the terms and
conditions of its license in the license file
c/tools/include/pncompat/internal/LICENSE.txt.

The setup scripts for the python bindings include files derived by
PyZMQ and are licensed with a separate Modified BSD license. Use of
the source code in these setup files are subject to the terms and
conditions in the license file python/setuputils/PYZMQ_LICENSE.BSD.
Apache Qpid Proton
Copyright 2012-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
PyZMQ is licensed under the terms of the Modified BSD License (also known as
New or Revised BSD), as follows:

Copyright (c) 2009-2012, Brian Granger, Min Ragan-Kelley

All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this
list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this
list of conditions and the following disclaimer in the documentation and/or
other materials provided with the distribution.
Neither the name of PyZMQ nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

1. You must give any other recipients of the Work or Derivative Works a copy of this License; and
2. You must cause any modified files to carry prominent notices stating that You changed the files; and
3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not
modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License. You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as “Not a Contribution.”

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.749 axiom-api 1.2.15

1.749.1 Available under license:

Axiom API
Copyright 2004-2014 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.750 spring-expression 4.3.30.RELEASE

1.750.1 Available under license :

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2014 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *  
 *      https://www.apache.org/licenses/LICENSE-2.0
 *  
 * Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/CompiledExpression.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2018 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License);
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
  */opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
  jar/org/springframework/expression/spel/ast/FunctionReference.java
  */opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
  jar/org/springframework/expression/BeanResolver.java
  */opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
  jar/org/springframework/expression/spel/support/SimpleEvaluationContext.java
  */opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
  jar/org/springframework/expression/spel/ast/OpPlus.java
  */opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
  jar/org/springframework/expression/spel/support/DataBindingPropertyAccessor.java
  */opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
  jar/org/springframework/expression/spel/standard/Tokenizer.java
  */opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
  jar/org/springframework/expression/spel/ast/TypeReference.java
  */opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
  jar/org/springframework/expression/spel/support/DataBindingMethodResolver.java

Open Source Used In CSPC_Collector 2.9.1 8112
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/ast/FormatHelper.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/ast/OpEQ.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/ast/OperatorMatches.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/ast/Elvis.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/ast/Assign.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/EvaluationContext.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/SpelEvaluationException.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/ast/StandardEvaluationContext.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/ast/ConstructorReference.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/SpelMessage.java

No license file was found, but licenses were detected in source scan.

/*
  * Copyright 2002-2013 the original author or authors.
  *
  * Licensed under the Apache License, Version 2.0 (the "License");
  * you may not use this file except in compliance with the License.
  * You may obtain a copy of the License at
  *
  *     https://www.apache.org/licenses/LICENSE-2.0
  *
  * Unless required by applicable law or agreed to in writing, software
  * distributed under the License is distributed on an "AS IS" BASIS,
  * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
  * See the License for the specific language governing permissions and
  * limitations under the License.
  */

Found in path(s):
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
Found in path(s):
  * /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-jar/org/springframework/expression/spel/ast/LongLiteral.java
  * /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-jar/org/springframework/expression/spel/SpelParseException.java

/*
 * Copyright 2002-2016 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *    https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
/*
 * Copyright 2002-2019 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/ast/Operator.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/ast/CompoundExpression.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/ast/ValueRef.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
jar/org/springframework/expression/spel/ast/InlineMap.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2017 the original author or authors.
 */
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
*    https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/spel/ast/PropertyOrFieldReference.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/common/TemplateAwareExpressionParser.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/AccessException.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/spel/ast/OpDec.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/spel/ast/OpAnd.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/common/CompositeStringExpression.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/common/LiteralExpression.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/spel/support/ReflectionHelper.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/spel/support/StandardTypeConverter.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/spel/SpelParserConfiguration.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/spel/StandardSpelExpressionParser.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/OperatorOverloader.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/Expression.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/spel/ast/Projection.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/spel/standard/SpelCompiler.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/spel/ast/OperatorInstanceof.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/spel/support/ReflectiveMethodExecutor.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2009 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1.jar/org/springframework/expression/ExpressionParser.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2020 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
Found in path(s):
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
  jar/org/springframework/expression/spel/standard/SpelExpression.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
  jar/org/springframework/expression/spel/ast/MethodReference.java
* /opt/cola/permits/1137268782_1614043207.64/0/spring-expression-4-3-30-release-sources-1-
  jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java

1.751 shim 239-31.el8_2.2

1.751.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.752 device-mapper-multipath 0.8.0 5.el8
1.752.1 Available under license:
GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.
To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.
"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of
copyright on the Program, and are irrevocable provided the stated
conditions are met. This License explicitly affirms your unlimited
permission to run the unmodified Program. The output from running a
covered work is covered by this License only if the output, given its
content, constitutes a covered work. This License acknowledges your
rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains
in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you
with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do
not control copyright. Those thus making or running the covered works
for you must do so exclusively on your behalf, under your direction
and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

   a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

   b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to
"keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:
a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or


d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under
this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the
Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, selling, or importing its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have
actual knowledge that, but for the patent license, your conveying the
covered work in a country, or your recipient's use of the covered work
in a country, would infringe one or more identifiable patents in that
country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or
arrangement, you convey, or propagate by procuring conveyance of, a
covered work, and grant a patent license to some of the parties
receiving the covered work authorizing them to use, propagate, modify
or convey a specific copy of the covered work, then the patent license
you grant is automatically extended to all recipients of the covered
work and works based on it.

A patent license is "discriminatory" if it does not include within
the scope of its coverage, prohibits the exercise of, or is
conditioned on the non-exercise of one or more of the rights that are
specifically granted under this License. You may not convey a covered
work if you are a party to an arrangement with a third party that is
in the business of distributing software, under which you make payment
to the third party based on the extent of your activity of conveying
the work, and under which the third party grants, to any of the
parties who would receive the covered work from you, a discriminatory
patent license (a) in connection with copies of the covered work
conveyed by you (or copies made from those copies), or (b) primarily
for and in connection with specific products or compilations that
contain the covered work, unless you entered into that arrangement,
or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting
any implied license or other defenses to infringement that may
otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot convey a
covered work so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you may
not convey it at all. For example, if you agree to terms that obligate you
to collect a royalty for further conveying from those to whom you convey
the Program, the only way you could satisfy both those terms and this
License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have
permission to link or combine any covered work with a work licensed
under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.
If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.753 jemalloc 10.1.14
1.753.1 Available under license:

Unless otherwise specified, files in the jemalloc source distribution are subject to the following license:

--------------------------------------------------------------------------------
Copyright (C) 2002-present Jason Evans <jasone@canonware.com>. All rights reserved.
Copyright (C) 2007-2012 Mozilla Foundation. All rights reserved.
Copyright (C) 2009-present Facebook, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice(s), this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice(s), this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER(S) "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER(S) BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.754 activemq-spring 5.16.1
1.754.1 Available under license:

ActiveMQ :: Spring
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.757 tar 1.30 4.el8

1.757.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/> Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers’ and authors’ protection, the GPL clearly explains...
that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without
permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of
copyright on the Program, and are irrevocable provided the stated
conditions are met. This License explicitly affirms your unlimited
permission to run the unmodified Program. The output from running a
covered work is covered by this License only if the output, given its
content, constitutes a covered work. This License acknowledges your
rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains
in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you
with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do
not control copyright. Those thus making or running the covered works
for you must do so exclusively on your behalf, under your direction
and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed; section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological
measure under any applicable law fulfilling obligations under article
11 of the WIPO copyright treaty adopted on 20 December 1996, or
similar laws prohibiting or restricting circumvention of such
measures.

When you convey a covered work, you waive any legal power to forbid
circumvention of technological measures to the extent such circumvention
is effected by exercising rights under this License with respect to
the covered work, and you disclaim any intention to limit operation or
modification of the work as a means of enforcing, against the work’s
users, your or third parties’ legal rights to forbid circumvention of
technological measures.


You may convey verbatim copies of the Program's source code as you
receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice;
keep intact all notices stating that this License and any
non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all
recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey,
and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the
terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified
   it, and giving a relevant date.

b) The work must carry prominent notices stating that it is
   released under this License and any conditions added under section
   7. This requirement modifies the requirement in section 4 to
   "keep intact all notices".

c) You must license the entire work, as a whole, under this
   License to anyone who comes into possession of a copy. This
   License will therefore apply, along with any applicable section 7
   additional terms, to the whole of the work, and all its parts,
   regardless of how they are packaged. This License gives no
   permission to license the work in any other way, but it does not
   invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display
   Appropriate Legal Notices; however, if the Program has interactive
   interfaces that do not display Appropriate Legal Notices, your
   work need not make them do so.

A compilation of a covered work with other separate and independent
works, which are not by their nature extensions of the covered work,
and which are not combined with it such as to form a larger program,
in or on a volume of a storage or distribution medium, is called an
"aggregate" if the compilation and its resulting copyright are not
used to limit the access or legal rights of the compilation's users
beyond what the individual works permit. Inclusion of a covered work
in an aggregate does not cause this License to apply to the other
parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms
of sections 4 and 5, provided that you also convey the
machine-readable Corresponding Source under the terms of this License,
in one of these ways:

a) Convey the object code in, or embodied in, a physical product
   (including a physical distribution medium), accompanied by the
   Corresponding Source fixed on a durable physical medium
   customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product
   (including a physical distribution medium), accompanied by a
   written offer, valid for at least three years and valid for as
   long as you offer spare parts or customer support for that product
   model, to give anyone who possesses the object code either (1) a
   copy of the Corresponding Source for all the software in the
   product that is covered by this License, on a durable physical
   medium customarily used for software interchange, for a price no
   more than your reasonable cost of physically performing this
   conveying of source, or (2) access to copy the
   Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
   written offer to provide the Corresponding Source. This
   alternative is allowed only occasionally and noncommercially, and
   only if you received the object code with such an offer, in accord
   with subsection 6b.

d) Convey the object code by offering access from a designated
   place (gratis or for a charge), and offer equivalent access to the
   Corresponding Source in the same way through the same place at no
   further charge. You need not require recipients to copy the
   Corresponding Source along with the object code. If the place to
   copy the object code is a network server, the Corresponding Source
   may be on a different server (operated by you or a third party)
   that supports equivalent copying facilities, provided you maintain
   clear directions next to the object code saying where to find the
   Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.
Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".
A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered
work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the
option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.
How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.
The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.758 openssl 1.1.1g 12.el8_3

1.758.1 Available under license:

LICENSE ISSUES
===============

The OpenSSL toolkit stays under a double license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts.

OpenSSL License
---------------

/* ====================================================================
 * Copyright (c) 1998-2019 The OpenSSL Project. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 *
 * 3. All advertising materials mentioning features or use of this
 *    software must display the following acknowledgment:
 *    "This product includes software developed by the OpenSSL Project
 *    for use in the OpenSSL Toolkit. (http://www.openssl.org/)"
 *
 * 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
 *    endorse or promote products derived from this software without
 *    prior written permission. For written permission, please contact
 *    openssl-core@openssl.org.
 *
 * 5. Products derived from this software may not be called "OpenSSL"
* nor may "OpenSSL" appear in their names without prior written
* permission of the OpenSSL Project.
*
* 6. Redistributions of any form whatsoever must retain the following
* acknowledgment:
* "This product includes software developed by the OpenSSL Project
* for use in the OpenSSL Toolkit (http://www.openssl.org/)
*
* THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY
* EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
* PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
* STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
* OF THE POSSIBILITY OF SUCH DAMAGE.
* ====================================================================
*
* This product includes cryptographic software written by Eric Young
* (eay@cryptsoft.com). This product includes software written by Tim
* Hudson (tjh@cryptsoft.com).
*
* /

Original SSLeay License
-----------------------

/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
 * All rights reserved.
 *
 * This package is an SSL implementation written
 * by Eric Young (eay@cryptsoft.com).
 * The implementation was written so as to conform with Netscapes SSL.
 *
 * This library is free for commercial and non-commercial use as long as
 * the following conditions are aheared to. The following conditions
 * apply to all code found in this distribution, be it the RC4, RSA,
 * Ihash, DES, etc., code; not just the SSL code. The SSL documentation
 * included with this distribution is covered by the same copyright terms
 * except that the holder is Tim Hudson (tjh@cryptsoft.com).
 *
 * Copyright remains Eric Young's, and as such any Copyright notices in
 * the code are not to be removed.
 * If this package is used in a product, Eric Young should be given attribution
* as the author of the parts of the library used.
* This can be in the form of a textual message at program startup or
* in documentation (online or textual) provided with the package.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the copyright
* that notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. All advertising materials mentioning features or use of this software
* must display the following acknowledgement:
*   "This product includes cryptographic software written by
*   Eric Young (eay@cryptsoft.com)"
* The word 'cryptographic' can be left out if the routines from the library
* being used are not cryptographic related :-).
* 4. If you include any Windows specific code (or a derivative thereof) from
* the apps directory (application code) you must include an acknowledgement:
*   "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"
*
* THIS SOFTWARE IS PROVIDED BY ERIC YOUNG \`AS IS\' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* The licence and distribution terms for any publically available version or
* derivative of this code cannot be changed. i.e. this code cannot simply be
* copied and put under another distribution licence
* [including the GNU Public Licence.]
*/

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

The "Artistic License"
Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the
following:

a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package’s interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this
Package. If such scripts or library files are aggregated with this
Package via the so-called "undump" or "unexec" methods of producing a
binary executable image, then distribution of such an image shall
neither be construed as a distribution of this Package nor shall it
fall under the restrictions of Paragraphs 3 and 4, provided that you do
not represent such an executable image as a Standard Version of this
Package.

7. C subroutines (or comparably compiled subroutines in other
languages) supplied by you and linked into this Package in order to
emulate subroutines and variables of the language defined by this
Package shall not be considered part of this Package, but are the
equivalent of input as in Paragraph 6, provided these subroutines do
not change the language in any way that would cause it to fail the
regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always
permitted provided that the use of this Package is embedded; that is,
when no overt attempt is made to make this Package's interfaces visible
to the end user of the commercial distribution. Such use shall not be
construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote
products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.759 ed 1.14.2 4.el8
1.759.1 Available under license :
GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents.
States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated
conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey,
and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the
Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent
that they are valid under applicable law. If additional permissions
apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.
If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.
10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party’s predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent
(such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.
THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read
@c The GNU Free Documentation License.
@center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
c@c hence no sectioning command or @node.

display
@uref{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies
PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document \textit{free} in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of ``\textit{copyleft}'', which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The ``Document'', below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as ``you''. You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A ``Modified Version'' of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A ``Secondary Section'' is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall
subject (or to related matters) and contains nothing that could fall
directly within that overall subject. (Thus, if the Document is in
part a textbook of mathematics, a Secondary Section may not explain
any mathematics.) The relationship could be a matter of historical
connection with the subject or with related matters, or of legal,
commercial, philosophical, ethical or political position regarding
them.

The "Invariant Sections" are certain Secondary Sections whose
titles are designated, as being those of Invariant Sections, in the notice
that says that the Document is released under this License. If a
section does not fit the above definition of Secondary then it is not
allowed to be designated as Invariant. The Document may contain zero
Invariant Sections. If the Document does not identify any Invariant
Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed,
as Front-Cover Texts or Back-Cover Texts, in the notice that says that
the Document is released under this License. A Front-Cover Text may
be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy,
represented in a format whose specification is available to the
general public, that is suitable for revising the document
straightforwardly with generic text editors or (for images composed of
pixels) generic paint programs or (for drawings) some widely available
drawing editor, and that is suitable for input to text formatters or
for automatic translation to a variety of formats suitable for input
to text formatters. A copy made in an otherwise Transparent file
format whose markup, or absence of markup, has been arranged to thwart
or discourage subsequent modification by readers is not Transparent.
An image format is not Transparent if used for any substantial amount
of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain
@sc{ascii} without markup, Texinfo input format, La@TeX{} input
format, @acronym{SGML} or @acronym{XML} using a publicly available
@acronym{DTD}, and standard-conforming simple @acronym{HTML},
PostScript or @acronym{PDF} designed for human modification. Examples
of transparent image formats include @acronym{PNG}, @acronym{XCF} and
@acronym{JPG}. Opaque formats include proprietary formats that can be
read and edited only by proprietary word processors, @acronym{SGML} or
@acronym{XML} for which the @acronym{DTD} and/or processing tools are
not generally available, and the machine-generated @acronym{HTML},
PostScript or @acronym{PDF} produced by some word processors for
output purposes only.

The "Title Page" means, for a printed book, the title page itself,
plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, “Title Page” means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The “publisher” means any person or entity that distributes copies of the Document to the public.

A section “Entitled XYZ” means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as “Acknowledgements”, “Dedications”, “Endorsements”, or “History”.) To “Preserve the Title” of such a section when you modify the Document means that it remains a section “Entitled XYZ” according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item

VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item

COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on
the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

A Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.
@item
List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled ``History'', Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled ``History'' in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the ``History'' section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.
@item
For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties---for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or
imply endorsement of any Modified Version.

@item
**COMBINING DOCUMENTS**

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item
**COLLECTIONS OF DOCUMENTS**

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item
**AGGREGATION WITH INDEPENDENT WORKS**

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights
of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item
TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled ``Acknowledgements'', ``Dedications'', or ``History'', the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item
TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.
Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License ``or any later version'' applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RELICENSING

``Massive Multiauthor Collaboration Site'' (or ``MMC Site'') means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A ``Massive Multiauthor Collaboration'' (or ``MMC'') contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA'' means the Creative Commons Attribution-Share Alike 3.0
license published by Creative Commons Corporation, a not-for-profit
corporation with a principal place of business in San Francisco,
California, as well as future copyleft versions of that license
published by that same organization.

``Incorporate'' means to publish or republish a Document, in whole or
in part, as part of another Document.

An MMC is ``eligible for relicensing'' if it is licensed under this
License, and if all works that were first published under this License
somewhere other than this MMC, and subsequently incorporated in whole
or in part into the MMC, (1) had no cover texts or invariant sections,
and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site
under CC-BY-SA on the same site at any time before August 1, 2009,
provided the MMC is eligible for relicensing.

@end enumerate

@end page

@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of
the License in the document and put the following copyright and
license notices just after the title page:

@smallexample
@group
Copyright (C) \var{year} \ var{your name}.
Permission is granted to copy, distribute and/or modify this document
under the terms of the GNU Free Documentation License, Version 1.3
or any later version published by the Free Software Foundation;
with no Invariant Sections, no Front-Cover Texts, and no Back-Cover
Texts. A copy of the license is included in the section entitled ``GNU
Free Documentation License''.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts,
replace the ``with\dots\]Texts.'' line with this:

@smallexample
@group
with the Invariant Sections being \var{list their titles}, with
the Front-Cover Texts being \var{list}, and with the Back-Cover Texts
being \var{list}.
@end group
If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@ Local Variables: 
@ispell-local-pdict: "ispell-dict"
@c End:

1.760 libssh 0.9.4 2.el8
1.760.1 Available under license:
MIT License

Copyright (c) 2017 Jan-Lukas Wynen

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Some parts are under the BSDv2 License:

Copyright (c) 2000 Markus Friedl. All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright

Open Source Used In CSPC_Collector 2.9.1 8196
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.
To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the
"Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Linking with OpenSSL

17. In addition, as a special exception, we give permission to link the code of its release of libssh with the OpenSSL project's "OpenSSL" library (or with modified versions of it that use the same license as the "OpenSSL" library), and distribute the linked executables. You must obey the GNU Lesser General Public License in all respects for all of the code used other than "OpenSSL". If you modify this file, you may extend this exception to your version of the
file, but you are not obligated to do so. If you do not wish to do so, delete
this exception statement from your version.

END OF TERMS AND CONDITIONS
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products
derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.761 linux-firmware 39.31.5.1-101.el8_3.1
1.761.1 Available under license :
GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU
General Public License is intended to guarantee your freedom to share and change free software—-to make sure the
software is free for all its users. This General Public License applies to most of the Free Software Foundation's
software and to any other program whose authors commit to using it. (Some other Free Software Foundation
software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or
binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

1.762 coreutils 8.30 7.el8_2.1
1.762.1 Available under license :
GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we
have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices"
to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice;
keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms
of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.
A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.
"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further
restriction, you may remove that term. If a license document contains
a further restriction but permits relicensing or conveying under this
License, you may add to a covered work material governed by the terms
of that license document, provided that the further restriction does
not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you
must place, in the relevant source files, a statement of the
additional terms that apply to those files, or a notice indicating
where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the
form of a separately written license, or stated as exceptions;
the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly
provided under this License. Any attempt otherwise to propagate or
modify it is void, and will automatically terminate your rights under
this License (including any patent licenses granted under the third
paragraph of section 11).

However, if you cease all violation of this License, then your
license from a particular copyright holder is reinstated (a)
provisionally, unless and until the copyright holder explicitly and
finally terminates your license, and (b) permanently, if the copyright
holder fails to notify you of the violation by some reasonable means
prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is
reinstated permanently if the copyright holder notifies you of the
violation by some reasonable means, this is the first time you have
received notice of violation of this License (for any work) from that
copyright holder, and you cure the violation prior to 30 days after
your receipt of the notice.

Termination of your rights under this section does not terminate the
licenses of parties who have received copies or rights from you under
this License. If your rights have been terminated and not permanently
reinstated, you do not qualify to receive new licenses for the same
material under section 10.


You are not required to accept this License in order to receive or
run a copy of the Program. Ancillary propagation of a covered work
occurring solely as a consequence of using peer-to-peer transmission
to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free
patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.
Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.
Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program.  If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License.  Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

1.763 openssl 1.1.1k
1.763.1 Notifications:
This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit
(http://www.openssl.org/)
This product includes software written by Tim Hudson (tjh@cryptsoft.com).
This product includes cryptographic software written by Eric Young (eay@cryptsoft.com).

1.763.2 Available under license:

LICENSE ISSUES
=============

The OpenSSL toolkit stays under a double license, i.e. both the conditions of
the OpenSSL License and the original SSLeay license apply to the toolkit.
See below for the actual license texts.

OpenSSL License
---------------

/* ====================================================================
 * Copyright (c) 1998-2019 The OpenSSL Project.  All rights reserved.
 * *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in
 *    the documentation and/or other materials provided with the
 *    distribution.
 * *
 * 3. All advertising materials mentioning features or use of this
 *    software must display the following acknowledgment:
 *    "This product includes software developed by the OpenSSL Project
 *    for use in the OpenSSL Toolkit. (http://www.openssl.org/)"
 * *
 * 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
 *    endorse or promote products derived from this software without
 *    prior written permission. For written permission, please contact
 *    openssl-core@openssl.org.
 * *
 * 5. Products derived from this software may not be called "OpenSSL"
 *    nor may "OpenSSL" appear in their names without prior written
 *    permission of the OpenSSL Project.
 * *
 * 6. Redistributions of any form whatsoever must retain the following
* acknowledgment:
* "This product includes software developed by the OpenSSL Project
* for use in the OpenSSL Toolkit (http://www.openssl.org/)
*
* THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY
* EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
* PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
* ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
* STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
* OF THE POSSIBILITY OF SUCH DAMAGE.
* ====================================================================
*
* This product includes cryptographic software written by Eric Young
* (eay@cryptsoft.com). This product includes software written by Tim
* Hudson (tjh@cryptsoft.com).
* *
* Original SSLeay License
* -----------------------
* /* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
* All rights reserved.
* *
* This package is an SSL implementation written
* by Eric Young (eay@cryptsoft.com).
* The implementation was written so as to conform with Netscapes SSL.
* *
* This library is free for commercial and non-commercial use as long as
* the following conditions are aheared to. The following conditions
* apply to all code found in this distribution, be it the RC4, RSA,
* lhash, DES, etc., code; not just the SSL code. The SSL documentation
* included with this distribution is covered by the same copyright terms
* except that the holder is Tim Hudson (tjh@cryptsoft.com).
* *
* Copyright remains Eric Young's, and as such any Copyright notices in
* the code are not to be removed.
* If this package is used in a product, Eric Young should be given attribution
* as the author of the parts of the library used.
* This can be in the form of a textual message at program startup or
* in documentation (online or textual) provided with the package.
* */
* Redistribution and use in source and binary forms, with or without
  * modification, are permitted provided that the following conditions
  * are met:
  * 1. Redistributions of source code must retain the copyright
  *    notice, this list of conditions and the following disclaimer.
  * 2. Redistributions in binary form must reproduce the above copyright
  *    notice, this list of conditions and the following disclaimer in the
  *    documentation and/or other materials provided with the distribution.
  * 3. All advertising materials mentioning features or use of this software
  *    must display the following acknowledgement:
  *    "This product includes cryptographic software written by
  *     Eric Young (eay@cryptsoft.com)"
  * The word 'cryptographic' can be left out if the rouines from the library
  * being used are not cryptographic related :-).
  * 4. If you include any Windows specific code (or a derivative thereof) from
  *    the apps directory (application code) you must include an acknowledgement:
  *    "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"
  *
  * THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND
  * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
  * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
  * ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
  * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
  * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
  * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
  * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
  * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
  * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
  * SUCH DAMAGE.
  *
  * The licence and distribution terms for any publically available version or
  * derivative of this code cannot be changed. i.e. this code cannot simply be
  * copied and put under another distribution licence
  * [including the GNU Public Licence.]
  */

1.764 mariadb-java-client 1.4.5

1.764.1 Available under license:

Found license 'GNU Lesser General Public License' in 'This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License; or (at your option) any later version. This library is distributed in the hope that it will be useful; but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along Redistribution and use in source and binary forms; with or without modification; are permitted provided that the following conditions are met:'
Redistributions of source code must retain the above copyright notice; this list of conditions and the following
disclaimer. Redistributions in binary form must reproduce the above copyright notice; this list of conditions and the
following disclaimer in the documentation and/or Neither the name of the driver nor the names of its contributors
may not be'

Found license 'GNU Lesser General Public License' in 'This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation;
either version 2.1 of the License, or (at your option) any later version. This library is distributed in the hope that it
will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY
or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You
should have received a copy of the GNU Lesser General Public License along Redistribution and use in source and
binary forms, with or without modification, are permitted provided that the following conditions are met:
Redistributions of source code must retain the above copyright notice, this list of conditions and the following
disclaimer. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the
following disclaimer in the documentation and/or Neither the name of the driver nor the names of its contributors
may not be'

1.765 websocket-api 9.4.11.v20180605

1.766 biosdevname 0.7.3-2.el8

1.766.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.767 kbd 2.0.4 8.el8

1.767.1 Available under license:

The file
kbdrate.c
is Copyright (C) 1992 Rickard E. Faith.

The files
dumpkeys.c loadkeys.y loadkeys.analyze.1 ksyms.c ksyms.h
showkey.c keymaps.5 loadkeys.1 dumpkeys.1 showkey.1
are Copyright (C) 1993 Risto Kankkunen.

The files
setfont.c setfont.8 mapscrn.c mapscrn.8
(and changes to loadkeys.y)
are Copyright (C) 1993 Eugene G. Crosser.

The files
psfaddtable.1 psfgettable.1 psfstriptable.1
are Copyright (C) 1994 H. Peter Anvin.

The files
chvt.c clrunimap.c deallocvt.c fgconsole.c findfile.c
getfd.c getkeycodes.c getunimap.c kbd_mode.c loadunimap.c
psffontop.c psfxtable.c resizecons.c screendump.c setkeycodes.c
setleds.c setmetamode.c setvesablank.c showconsolefont.c
spawn_console.c spawn_login.c
chvt.1 deallocvt.1 kbd_mode.1 setleds.1 setmetamode.1
getkeycodes.8 loadunimap.8 resizecons.8 setkeycodes.8
kbd.FAQ.*
(and changes to earlier mentioned programs)
are Copyright (C) 1994-1999 Andries E. Brouwer.

The file
openvt.c
is Copyright (C) 1994 by Jon Tombs <jon@gtex02.us.es>
portions also authors: Andries E. Brouwer <aeb@cwi.nl>
Joshua Spoerri <josh@cooper.edu>
Chuck Martin <cmartin@bigfoot.com>
Alexey Gladkov <gladkov.alexey@gmail.com>

The file
kbdinfo.c
is Copyright (C) 2011 Alexey Gladkov.

The file
setvtrgb.c
is Copyright (C) 2011 Alexey Gladkov,
portions also Copyright (C) 2011 Canonical Ltd.
Authors: Seth Forshee <seth.forshee@canonical.com>
Dustin Kirkland <kirkland@canonical.com>

The files
auth.c pam_auth.h pam.c parse.c screen.c username.c vlock.c vlock.h vt.c
is Copyright (C) 1994-1998 Michael K. Johnson <johnsonm@redhat.com>
Copyright (C) 2002-2006 Dmitry V. Levin <ldv@altlinux.org>

All files in this package may be freely copied under the terms
of the GNU General Public License (GPL), version 2, or at your
option any later version - except possibly for the restrictions
mentioned in the directory consolefonts.

1.768 mariadb-connector-c 3.1.11-2.el8_3
1.768.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.
We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.
In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.
This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
1.769 hk2-locator 2.4.0-b34
1.769.1 Available under license:
CDDL + GPLv2 with classpath exception
https://glassfish.java.net/nonav/public/CDDL+GPL_1_1.html
A business-friendly OSS license

1.770 jansson 2.11 3.el8
1.770.1 Available under license:
Copyright (c) 2009-2016 Petri Lehtinen <petri@digip.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of
this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.771 open-ldap 2.4.46-10.el8
1.771.1 Available under license:
Copyright 1998-2018 The OpenLDAP Foundation. All rights reserved.

COPYING RESTRICTIONS APPLY.

See COPYRIGHT and LICENSE files in the top-level directory of this distribution (i.e., ./COPYRIGHT and ./LICENSE, respectively).

OpenLDAP Public License

The OpenLDAP Public License

Redistribution and use of this software and associated documentation
("Software"), with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source form must retain copyright statements and notices,

2. Redistributions in binary form must reproduce applicable copyright statements and notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution, and

3. Redistributions must contain a verbatim copy of this document.

The OpenLDAP Foundation may revise this license from time to time. Each revision is distinguished by a version number. You may use this Software under terms of this license revision or under the terms of any subsequent revision of the license.

THIS SOFTWARE IS PROVIDED BY THE OPENLDAP FOUNDATION AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OPENLDAP FOUNDATION, ITS CONTRIBUTORS, OR THE AUTHOR(S) OR OWNER(S) OF THE SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The names of the authors and copyright holders must not be used in advertising or otherwise to promote the sale, use or other dealing in this Software without specific, written prior permission. Title to copyright in this Software shall at all times remain with copyright holders.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Copyright 1999-2003 The OpenLDAP Foundation, Redwood City, California, USA. All rights reserved. Permission to copy and distribute verbatim copies of this document is granted.

/**********************************************************************************
 *
 * Copyright (C) 2000 Pierangelo Masarati, <ando@sys-net.it>
 * All rights reserved.
 *
Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.

2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits should appear in the documentation.

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits should appear in the documentation.

4. This notice may not be removed or altered.

******************************************************************************/

Copyright 1998-2018 The OpenLDAP Foundation
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted only as authorized by the OpenLDAP Public License.

A copy of this license is available in the file LICENSE in the top-level directory of the distribution or, alternatively, at <http://www.OpenLDAP.org/license.html>.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Individual files and/or contributed packages may be copyright by other parties and/or subject to additional restrictions.

This work is derived from the University of Michigan LDAP v3.3 distribution. Information concerning this software is available at <http://www.umich.edu/~dirsvcs/ldap/ldap.html>.

This work also contains materials derived from public sources.

Additional information about OpenLDAP can be obtained at <http://www.openldap.org>.

---

Portions Copyright 2001-2006 IBM Corporation.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted only as authorized by the OpenLDAP Public License.

---

Portions Copyright 1999-2008 Symas Corporation.
Portions Copyright 2007-2011 Gavin Henry.
Portions Copyright 2007-2011 Suretec Systems Ltd.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that this notice is preserved. The names of the copyright holders may not be used to endorse or promote products derived from this software without their specific prior written permission. This software is provided `as is` without express or implied warranty.

---

Portions Copyright (c) 1992-1996 Regents of the University of Michigan.
All rights reserved.

Redistribution and use in source and binary forms are permitted provided that this notice is preserved and that due credit is given to the University of Michigan at Ann Arbor. The name of the University may not be used to endorse or promote products derived from this software without specific prior written permission. This software is provided `as is` without express or implied warranty. Copyright 1998-2018 The OpenLDAP Foundation. All rights reserved.

COPYING RESTRICTIONS APPLY.

See COPYRIGHT and LICENSE files in the top-level directory of this distribution (i.e., ../COPYRIGHT and ../LICENSE, respectively).

---


Copyright (c) 1998-1999 NeoSoft, Inc.
All Rights Reserved.

This software may be used, modified, copied, distributed, and sold, in both source and binary form provided that these copyrights are
retained and their terms are followed.

Under no circumstances are the authors or NeoSoft Inc. responsible for the proper functioning of this software, nor do the authors assume any liability for damages incurred with its use.

Redistribution and use in source and binary forms are permitted provided that this notice is preserved and that due credit is given to NeoSoft, Inc.

NeoSoft, Inc. may not be used to endorse or promote products derived from this software without specific prior written permission. This software is provided "as is" without express or implied warranty.

Requests for permission may be sent to NeoSoft Inc, 1770 St. James Place, Suite 500, Houston, TX, 77056.
Copyright 2011-2018 Howard Chu, Symas Corp.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted only as authorized by the OpenLDAP Public License.

A copy of this license is available in the file LICENSE in the top-level directory of the distribution or, alternatively, at <http://www.OpenLDAP.org/license.html>.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Individual files and/or contributed packages may be copyright by other parties and/or subject to additional restrictions.

This work also contains materials derived from public sources.

Additional information about OpenLDAP can be obtained at <http://www.openldap.org/>.
The OpenLDAP Public License
Version 2.8, 17 August 2003

Redistribution and use of this software and associated documentation ("Software"), with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source form must retain copyright statements and notices,

2. Redistributions in binary form must reproduce applicable copyright statements and notices, this list of conditions, and the following
disclaimer in the documentation and/or other materials provided with the distribution, and

3. Redistributions must contain a verbatim copy of this document.

The OpenLDAP Foundation may revise this license from time to time. Each revision is distinguished by a version number. You may use this Software under terms of this license revision or under the terms of any subsequent revision of the license.

THIS SOFTWARE IS PROVIDED BY THE OPENLDAP FOUNDATION AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OPENLDAP FOUNDATION, ITS CONTRIBUTORS, OR THE AUTHOR(S) OR OWNER(S) OF THE SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The names of the authors and copyright holders must not be used in advertising or otherwise to promote the sale, use or other dealing in this Software without specific, written prior permission. Title to copyright in this Software shall at all times remain with copyright holders.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Copyright 1999-2003 The OpenLDAP Foundation, Redwood City, California, USA. All Rights Reserved. Permission to copy and distribute verbatim copies of this document is granted.

1.772 tk 8.6.8-1.el8

1.772.1 Available under license:

This software is copyrighted by the Regents of the University of California, Sun Microsystems, Inc., Scriptics Corporation, ActiveState Corporation, Apple Inc. and other parties. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided
that existing copyright notices are retained in all copies and that this
notice is included verbatim in any distributions. No written agreement,
license, or royalty fee is required for any of the authorized uses.
Modifications to this software may be copyrighted by their authors
and need not follow the licensing terms described here, provided that
the new terms are clearly indicated on the first page of each file where
they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY
FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES
ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY
DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE
IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE
NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR
MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the
U.S. government, the Government shall have only "Restricted Rights"
in the software and related documentation as defined in the Federal
Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you
are acquiring the software on behalf of the Department of Defense, the
software shall be classified as "Commercial Computer Software" and the
Government shall have only "Restricted Rights" as defined in Clause
252.227-7013 (b) (3) of DFARs. Notwithstanding the foregoing, the
authors grant the U.S. Government and others acting in its behalf
permission to use and distribute the software in accordance with the
terms specified in this license.

1.773 websocket-server 9.4.11.v20180605

1.774 spring-jdbc 2.5.1
1.774.1 Available under license :
   Apache License
   Version 2.0, January 2004
   http://www.apache.org/licenses/

   TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

   1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License.

1.775 bouncy-castle 1.19

1.775.1 Available under license:

Copyright (c) 2000-2006 The Legion Of The Bouncy Castle (http://www.bouncycastle.org)
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.776 cryptsetup 2.2.0-2.el8

1.776.1 Available under license:

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS DOCUMENT DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER.

Statement of Purpose

The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work").

Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a commons of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon, modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further production of creative, cultural and scientific works, or to gain reputation or greater distribution for their Work in part through the use and efforts of others.
For these and/or other purposes and motivations, and without any expectation of additional consideration or compensation, the person associating CC0 with a Work (the "Affirmer"), to the extent that he or she is an owner of Copyright and Related Rights in the Work, voluntarily elects to apply CC0 to the Work and publicly distribute the Work under its terms, with knowledge of his or her Copyright and Related Rights in the Work and the meaning and intended legal effect of CC0 on those rights.

1. Copyright and Related Rights. A Work made available under CC0 may be protected by copyright and related or neighboring rights ("Copyright and Related Rights"). Copyright and Related Rights include, but are not limited to, the following:

- the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;
- moral rights retained by the original author(s) and/or performer(s);
- publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;
- rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;
- rights protecting the extraction, dissemination, use and reuse of data in a Work;
- database rights (such as those arising under Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, and under any national implementation thereof, including any amended or successor version of such directive); and
- other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.

2. Waiver. To the greatest extent permitted by, but not in contravention of, applicable law, Affirmer hereby overtly, fully, permanently, irrevocably and unconditionally waives, abandons, and surrenders all of Affirmer's Copyright and Related Rights and associated claims and causes of action, whether now known or unknown (including existing as well as future claims and causes of action), in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each member of the public at large and to the detriment of Affirmer's heirs and successors, fully intending that such Waiver shall not be subject to revocation, rescission, cancellation, termination, or any other legal or equitable action to disrupt the quiet enjoyment of the Work by the public as contemplated by Affirmer's express Statement of Purpose.

3. Public License Fallback. Should any part of the Waiver for any reason be judged legally invalid or ineffective under applicable law, then the Waiver shall be preserved to the maximum extent permitted taking into account Affirmer's express Statement of Purpose. In addition, to the extent the Waiver is so judged Affirmer hereby grants to each affected person a royalty-free, non transferable, non sublicensable, non exclusive, irrevocable and unconditional license to exercise Affirmer's Copyright and Related Rights in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "License"). The License shall be deemed effective as of the date CC0 was applied by Affirmer to the Work. Should any part of the License for any reason be judged legally invalid or ineffective under applicable law, such partial invalidity or ineffectiveness shall not invalidate the remainder of the License, and in such case Affirmer hereby affirms that he or she will not (i) exercise any of his or her remaining Copyright and Related Rights in the Work or (ii) assert any associated claims and causes of action with respect to the Work, in either case contrary to Affirmer's express Statement of Purpose.
4. Limitations and Disclaimers.

No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.

Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.

Affirmer disclaims responsibility for clearing rights of other persons that may apply to the Work or any use thereof, including without limitation any person's Copyright and Related Rights in the Work. Further, Affirmer disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the Work.

Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CC0 or use of the Work.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.
To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable “work that uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).
To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

-----
In addition, as a special exception, the copyright holders give permission to link the code of portions of this program with the OpenSSL library under certain conditions as described in each individual source file, and distribute linked combinations including the two.

You must obey the GNU Lesser General Public License in all respects for all of the code used other than OpenSSL. If you modify file(s) with this exception, you may extend this exception to your version of the file(s), but you are not obligated to do so. If you
do not wish to do so, delete this exception statement from your version. If you delete this exception statement from all source files in the program, then also delete it here.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

(signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

-----

In addition, as a special exception, the copyright holders give permission to link the code of portions of this program with the OpenSSL library under certain conditions as described in each individual source file, and distribute linked combinations including the two.

You must obey the GNU General Public License in all respects for all of the code used other than OpenSSL. If you modify file(s) with this exception, you may extend this exception to your version of the file(s), but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version. If you delete this exception statement from all source files in the program, then also delete it here.

1.777 commons-digester 2.1

1.777.1 Available under license :

Apache Commons Digester
Copyright 2001-2010 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.778 libyaml 0.1.7 5.el8
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Apache License
Version 2.0, January 2004
https://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

https://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.780 jcl-over-slf4j 1.7.30
1.780.1 Available under license:
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2001-2004 The Apache Software Foundation.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
* /

Found in path(s):
* /opt/cola/permits/1135880174_1613624046.95/0/jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/LogFactory.java
* /opt/cola/permits/1135880174_1613624046.95/0/jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/impl/SLF4JLogFactory.java
* /opt/cola/permits/1135880174_1613624046.95/0/jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/impl/SLF4JLocationAwareLog.java
* /opt/cola/permits/1135880174_1613624046.95/0/jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/impl/SLF4JLog.java
* /opt/cola/permits/1135880174_1613624046.95/0/jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/impl/SimpleLog.java
* /opt/cola/permits/1135880174_1613624046.95/0/jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/impl/NoOpLog.java

No license file was found, but licenses were detected in source scan.

<name>Apache License, Version 2.0</name>

Found in path(s):
* /opt/ cola/permits/1135880174_1613624046.95/0/jcl-over-slf4j-1-7-30-sources-1-jar/META-INF/maven/org.slf4j/jcl-over-slf4j/pom.xml

No license file was found, but licenses were detected in source scan.

2004 The Apache Software Foundation.

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.

Open Source Used In CSPC_Collector 2.9.1 8290
See the License for the specific language governing permissions and limitations under the License.

Found in path(s):
* /opt/cola/permits/1135880174_1613624046.95/0/jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/package.html

1.781 slf4j 1.7.2

1.781.1 Available under license :
No license file was found, but licenses were detected in source scan.

/**
 * Copyright (c) 2004-2011 QOS.ch
 * All rights reserved.
 *
 * Permission is hereby granted, free of charge, to any person obtaining
 * a copy of this software and associated documentation files (the
 * "Software"), to deal in the Software without restriction, including
 * without limitation the rights to use, copy, modify, merge, publish,
 * distribute, sublicense, and/or sell copies of the Software, and to
 * permit persons to whom the Software is furnished to do so, subject to
 * the following conditions:
 *
 * The above copyright notice and this permission notice shall be
 * included in all copies or substantial portions of the Software.
 *
 * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
 * EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
 * MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
 * NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
 * LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
 * OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
 * WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
 *
*/

Found in path(s):
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/impl/StaticMDCBinder.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/IMarkerFactory.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/helpers/BasicMarkerFactory.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/MarkerFactory.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/Marker.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/helpers/FormattingTuple.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/helpers/NOPMDCAdapter.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/helpers/BasicMarker.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/helpers/NOPLogger.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/helpers/NOPLoggerFactory.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/spi/MarkerFactoryBinder.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/helpers/NamedLoggerBase.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/spi/LocationAwareLogger.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/spi/LoggerFactoryBinder.java
* /opt/cola/permits/1126579441_1611704405.52/0/slf4j-api-1-7-2-sources-jar/org/slf4j/spi/MDCAdapter.java

1.782 jcifs 1.2.19

1.782.1 Available under license:

Found license 'GNU Lesser General Public License' in: * This library is free software; you can redistribute it and/or * modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either * version 2.1 of the License, or (at your option) any later version. * This library is distributed in the hope that it will be useful, * but WITHOUT ANY WARRANTY; without even the implied warranty of * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU * Lesser General Public License for more details. * You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA. * Alternatively, you can also purchase a commercial license from IBM at http://www.ibm.com/developerworks/library/os-jcifs/

Found license 'GNU Lesser General Public License' in: * This library is free software; you can redistribute it and/or * modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either * version 2.1 of the License, or (at your option) any later version. * This library is distributed in the hope that it will be useful, * but WITHOUT ANY WARRANTY; without even the implied warranty of * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU * Lesser General Public License for more details. * You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA. * Alternatively, you can also purchase a commercial license from IBM at http://www.ibm.com/developerworks/library/os-jcifs/
1.783 gssproxy 0.8.0 16.el8

1.783.1 Available under license:

GSS-PROXY

Copyright (C) 2011 Red Hat, Inc.
Copyright (C) 2011-2015 the GSS-PROXY contributors

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING
FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER
DEALINGS IN THE SOFTWARE.

1.784 nettle 3.4.1 1.el8

1.784.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the

GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.
0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.
1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you
received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.
Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.
A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
call those activities. However, it does not include the work’s
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of
copyright on the Program, and are irrevocable provided the stated
conditions are met. This License explicitly affirms your unlimited
permission to run the unmodified Program. The output from running a
covered work is covered by this License only if the output, given its
content, constitutes a covered work. This License acknowledges your
rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains
in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you
with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do
not control copyright. Those thus making or running the covered works
for you must do so exclusively on your behalf, under your direction
and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed; section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological
measure under any applicable law fulfilling obligations under article
11 of the WIPO copyright treaty adopted on 20 December 1996, or
similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive
interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).
The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the
violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.
A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.
A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <https://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".
You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <https://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <https://www.gnu.org/philosophy/why-not-lgpl.html>.

1.785 network-manager 1.26.0-9.el8_3

1.785.1 Available under license:

GNU Free Documentation License
Version 1.1, March 2000

Copyright (C) 2000 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other written document "free" in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.
1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you".

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (For example, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, whose contents can be viewed and edited directly and straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup has been designed to thwart or discourage subsequent modification by readers is not Transparent. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML designed for human modification. Opaque formats include
PostScript, PDF, proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

3. COPYING IN QUANTITY

If you publish printed copies of the Document numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.
If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a publicly-accessible computer-network location containing a complete Transparent copy of the Document, free of added material, which the general network-using public has access to download anonymously at no charge using public-standard network protocols. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

A. Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.
B. List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has less than five).
C. State on the Title page the name of the publisher of the Modified Version, as the publisher.
D. Preserve all the copyright notices of the Document.
E. Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.
F. Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.
G. Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.
H. Include an unaltered copy of this License.
I. Preserve the section entitled "History", and its title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.
J. Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.
K. In any section entitled "Acknowledgements" or "Dedications", preserve the section's title, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.
L. Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.
M. Delete any section entitled "Endorsements". Such a section may not be included in the Modified Version.
N. Do not retitle any existing section as "Endorsements" or to conflict in title with any Invariant Section.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit
permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections entitled "History" in the various original documents, forming one section entitled "History"; likewise combine any sections entitled "Acknowledgements", and any sections entitled "Dedications". You must delete all sections entitled "Endorsements."

6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

7. AGGREGATION WITH INDEPENDENT WORKS
A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, does not as a whole count as a Modified Version of the Document, provided no compilation copyright is claimed for the compilation. Such a compilation is called an "aggregate", and this License does not apply to the other self-contained works thus compiled with the Document, on account of their being thus compiled, if they are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one quarter of the entire aggregate, the Document's Cover Texts may be placed on covers that surround only the Document within the aggregate. Otherwise they must appear on covers around the whole aggregate.

8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License provided that you also include the original English version of this License. In case of a disagreement between the translation and the original English version of this License, the original English version will prevail.

9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided for under this License. Any other attempt to copy, modify, sublicense or distribute the Document is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See https://www.gnu.org/licenses/.
Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation.

ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (c) YEAR YOUR NAME.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.1 or any later version published by the Free Software Foundation; with the Invariant Sections being LIST THEIR TITLES, with the Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST. A copy of the license is included in the section entitled "GNU Free Documentation License".

If you have no Invariant Sections, write "with no Invariant Sections" instead of saying which ones are invariant. If you have no Front-Cover Texts, write "no Front-Cover Texts" instead of "Front-Cover Texts being LIST"; likewise for Back-Cover Texts.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a
restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and
modifications follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by

---

Open Source Used In CSPC_Collector 2.9.1 8339
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO operate WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.786 dnf-plugins-core 4.0.8-3.el8
1.786.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
      stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in
      whole or in part contains or is derived from the Program or any
      part thereof, to be licensed as a whole at no charge to all third
      parties under the terms of this License.

   c) If the modified program normally reads commands interactively
      when run, you must cause it, when started running for such
      interactive use in the most ordinary way, to print or display an
      announcement including an appropriate copyright notice and a
      notice that there is no warranty (or else, saying that you provide
      a warranty) and that users may redistribute the program under
      these conditions, and telling the user how to view a copy of this
      License.  (Exception: if the Program itself is interactive but
      does not normally print such an announcement, your work based
      on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.787 libuser 0.62 23.el8
1.787.1 Available under license :

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without
changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.
You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you...
may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.> Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.788 python36 3.6.8-
2.module_el8.1.0+245+c39af44f
1.788.1 Available under license :

A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

<table>
<thead>
<tr>
<th>Release</th>
<th>Derived from</th>
<th>Year</th>
<th>Owner</th>
<th>GPL-compatible? (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.9.0 thru 1.2</td>
<td></td>
<td>1991-1995</td>
<td>CWI</td>
<td>yes</td>
</tr>
<tr>
<td>1.3 thru 1.5.2</td>
<td>1.2</td>
<td>1995-1999</td>
<td>CNRI</td>
<td>yes</td>
</tr>
<tr>
<td>1.6</td>
<td>1.5.2</td>
<td>2000</td>
<td>CNRI</td>
<td>no</td>
</tr>
<tr>
<td>2.0</td>
<td>1.6</td>
<td>2000</td>
<td>BeOpen.com</td>
<td>no</td>
</tr>
<tr>
<td>1.6.1</td>
<td>1.6</td>
<td>2001</td>
<td>CNRI</td>
<td>yes (2)</td>
</tr>
<tr>
<td>2.1</td>
<td>2.0+1.6.1</td>
<td>2001</td>
<td>PSF</td>
<td>no</td>
</tr>
<tr>
<td>2.0.1</td>
<td>2.0+1.6.1</td>
<td>2001</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.1.1</td>
<td>2.1+2.0.1</td>
<td>2001</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.1.2</td>
<td>2.1.1</td>
<td>2002</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.1.3</td>
<td>2.1.2</td>
<td>2002</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.2 and above</td>
<td>2.1.1</td>
<td>2001-now</td>
<td>PSF</td>
<td>yes</td>
</tr>
</tbody>
</table>

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

===============================================================================

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

===============================================================================

Open Source Used In CSPC_Collector 2.9.1 8361
1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.


3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.
BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0
-------------------------------------------

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at http://www.pythonlabs.com/logos.html may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.
CNRI LICENSE AGREEMENT FOR PYTHON 1.6.1

---------------------------------------

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: http://hdl.handle.net/1895.22/1013".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia’s conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2
--------------------------------------------------

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
1.789 zlib 1.2.11

1.789.1 Available under license:

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.790 jaxen-jdom 1.0-FCS

1.790.1 Available under license:

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit)
alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and
You must cause any modified files to carry prominent notices stating that You changed the files; and
You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and where such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

1.791 tomcat-jdbc 8.5.63
1.791.1 Available under license :
   Apache Tomcat JDBC Pool
   Copyright 2008-2021 The Apache Software Foundation

   This product includes software developed at
   The Apache Software Foundation (http://www.apache.org/).
   Apache License
   Version 2.0, January 2004
   http://www.apache.org/licenses/

   TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.792 traceroute 2.1.0 6.el8

1.792.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot
effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a “work that uses the Library” with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable “work that
uses the Library”, as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library ‘Frob’ (a library for tweaking knobs) written by James Random Hacker.

signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.793 spring-ldap 1.3.1.RELEASE
1.793.1 Available under license:
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2007 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/transaction/compensating/manager/ContextSourceTransactionManagerDelegate.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/transaction/compensating/manager/ContextSourceAndDataSourceTransactionManager.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/transaction/compensating/manager/TransactionAwareDirContextInvocationHandler.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
/*
* Copyright 2005-2010 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
  jar/org/springframework/idap/core/simple/ContextMapperCallbackHandlerWithControls.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
  jar/org/springframework/idap/core/support/LdapContextSource.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
  jar/org/springframework/idap/filter/BinaryLogicalFilter.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
  jar/org/springframework/idap/transaction/compensating/NullOperationRecorder.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
  jar/org/springframework/idap/test/AttributeCheckContextMapper.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
  jar/org/springframework/idap/core/support/AbstractContextMapper.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
  jar/org/springframework/idap/support/LdapUtils.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
  jar/org/springframework/idap/control/SortControlDirContextProcessor.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
  jar/org/springframework/idap/core/SearchExecutor.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
  jar/org/springframework/idap/control/PagedResultsRequestControl.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
  jar/org/springframework/idap/pool/validation/DirContextValidator.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
  jar/org/springframework/transaction/compensating/support/CompensatingTransactionHolderSupport.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
  jar/org/springframework/idap/InsufficientResourcesException.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/core/simple/SimpleLdapOperations.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/ldif/support/SeparatorPolicy.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/CannotProceedException.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/NoPermissionException.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/test/LdapTestUtils.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/transaction/compensating/UnbindOperationExecutor.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/id/ldap/PagerResultsDirContextProcessor.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/id/ldap/InvalidRecordFormatException.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/core/DnParser.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/core/support/AggregateDirContextProcessor.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/id/ldap/CommunicationException.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/id/ldap/OperationNotSupportedException.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/id/ldap/BaseLdapPathAware.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/id/ldap/AttributeModificationsAware.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/id/ldap/Filter/LikeFilter.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/id/pool/DelegatingLdapContext.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/transaction/compensating/support/DefaultCompensatingTransactionOperationManager.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/id/ldap/schema/DefaultSchemaSpecification.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/id/ldap/schema/DefaultSchemaSpecification.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/id/ldap/schema/DefaultSchemaSpecification.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/id/ldap/schema/DefaultSchemaSpecification.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5.jar/org/springframework/ldap/id/ldap/schema/DefaultSchemaSpecification.java
java/jar/org/springframework/ldap/InvalidSearchFilterException.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/LinkException.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/core/support/BaseLdapPathContextSource.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/filter/AndFilter.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/transaction/compensating/RebindOperationExecutor.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/pool/validation/DefaultDirContextValidator.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/pool/factory/MutablePoolingContextSource.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/transaction/compensating/RenameOperationRecorder.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/pool/DelegatingContext.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/filter/AbstractFilter.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/pool/validation/NotContextException.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/InvalidAttributeIdentifierException.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/core/support/BaseLdapPathSource.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/pool/DelegatingContext.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/transaction/compensating/NullOperationExecutor.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/core/support/CollectingAuthenticationErrorCallback.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/core/LdapAttributes.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/pool/NotContextException.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/core/support/DigestMd5DirContextAuthenticationStrategy.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/core/support/DefaultTlsDirContextAuthenticationStrategy.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/core/support/DefaultTlsDirContextAuthenticationStrategy.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/core/support/CollectingAuthenticationErrorCallback.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/core/LdapAttributes.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/core/support/CollectingAuthenticationErrorCallback.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/core/support/BaseLdapPathSource.java
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-jar/org/springframework/ldap/core/support/CollectingAuthenticationErrorCallback.java

---

Open Source Used In CSPC_Collector 2.9.1 8397
No license file was found, but licenses were detected in source scan.

/*
  * Copyright 2002-2008 the original author or authors.
  *
  * Licensed under the Apache License, Version 2.0 (the "License");
  * you may not use this file except in compliance with the License.
  * You may obtain a copy of the License at
  *
  *      http://www.apache.org/licenses/LICENSE-2.0
  *
  * Unless required by applicable law or agreed to in writing, software
  * distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1147876728_1617157702.5/0/spring-ldap-1-3-1-release-sources-5-
jar/org/springframework/ldap/transaction/compensating/manager/ContextSourceAndHibernateTransactionManager.ja
va

1.794 trousers 0.3.14 4.el8

1.794.1 Available under license:
Copyright (c) 2013, TrouSerS Project
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
Neither the name of the TrouSerS Project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.795 javax-ws-rs-api 2.0.1

1.795.1 Available under license:
Found license 'General Public License 2.0' in
"Copyright (c) 2011-2013 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can designate this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License’
subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'
Found license 'General Public License 2.0' in * Copyright (c) 2012 Oracle and/or its affiliates. All rights reserved. *
The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL")
or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use
this file except in compliance with the License. You can * Oracle designates this particular file as subject to the
"Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'
Found license 'General Public License 2.0' in * Copyright (c) 2011-2014 Oracle and/or its affiliates. All rights
reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2
only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You
* may not use this file except in compliance with the License. You can * Oracle designates this particular file as
subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'

1.796 Openssh 8.0p1 5.el8

1.796.1 Available under license :

This file is part of the OpenSSH software.

The licences which components of this software fall under are as
follows. First, we will summarize and say that all components
are under a BSD licence, or a licence more free than that.

OpenSSH contains no GPL code.

1) *
   Copyright (c) 1995 Tatu Ylonen <ylo@cs.hut.fi>, Espoo, Finland
   *
   All rights reserved
   *
   As far as I am concerned, the code I have written for this software
   * can be used freely for any purpose. Any derived versions of this
   * software must be clearly marked as such, and if the derived work is
   * incompatible with the protocol description in the RFC file, it must be
   * called by a name other than "ssh" or "Secure Shell".

   [Tatu continues]
   *
   However, I am not implying to give any licenses to any patents or
   * copyrights held by third parties, and the software includes parts that
   * are not under my direct control. As far as I know, all included
   * source code is used in accordance with the relevant license agreements
   * and can be used freely for any purpose (the GNU license being the most
   * restrictive); see below for details.

   [However, none of that term is relevant at this point in time. All of
these restrictively licenced software components which he talks about
have been removed from OpenSSH, i.e.,

- RSA is no longer included, found in the OpenSSL library
- IDEA is no longer included, its use is deprecated
- DES is now external, in the OpenSSL library
- GMP is no longer used, and instead we call BN code from OpenSSL
- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
- TSS has been removed
- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
- Blowfish is now external, in the OpenSSL library

[The licence continues]

Note that any information and cryptographic algorithms used in this software are publicly available on the Internet and at any major bookstore, scientific library, and patent office worldwide. More information can be found e.g. at "http://www.cs.hut.fi/crypto".

The legal status of this program is some combination of all these permissions and restrictions. Use only at your own responsibility. You will be responsible for any legal consequences yourself; I am not making any claims whether possessing or using this is legal or not in your country, and I am not taking any responsibility on your behalf.

NO WARRANTY

BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

2) The 32-bit CRC compensation attack detector in deattack.c was contributed by CORE SDI S.A. under a BSD-style license.
* Cryptographic attack detector for ssh - source code

* Copyright (c) 1998 CORE SDI S.A., Buenos Aires, Argentina.

* All rights reserved. Redistribution and use in source and binary
* forms, with or without modification, are permitted provided that
* this copyright notice is retained.

* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESS OR IMPLIED
* WARRANTIES ARE DISCLAIMED. IN NO EVENT SHALL CORE SDI S.A. BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY OR
* CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR MISUSE OF THIS
* SOFTWARE.

* Ariel Futoransky <futo@core-sdi.com>
* <http://www.core-sdi.com>

3) ssh-keyscan was contributed by David Mazieres under a BSD-style
license.

* Copyright 1995, 1996 by David Mazieres <dm@lcs.mit.edu>.

* Modification and redistribution in source and binary forms is
* permitted provided that due credit is given to the author and the
* OpenBSD project by leaving this copyright notice intact.

4) The Rijndael implementation by Vincent Rijmen, Antoon Bosselaers
and Paulo Barreto is in the public domain and distributed
with the following license:

* @version 3.0 (December 2000)

* Optimised ANSI C code for the Rijndael cipher (now AES)

* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
* @author Paulo Barreto <paulo.barreto@terra.com.br>

* This code is hereby placed in the public domain.

* THIS SOFTWARE IS PROVIDED BY THE AUTHORS "AS IS" AND ANY EXPRESS
* OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
* BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,
* WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE
* OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE,
* EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

5) One component of the ssh source code is under a 3-clause BSD license, held by the University of California, since we pulled these parts from original Berkeley code.

* The Regents of the University of California. All rights reserved.
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. Neither the name of the University nor the names of its contributors
* may be used to endorse or promote products derived from this software
* without specific prior written permission.
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

6) Remaining components of the software are provided under a standard 2-term BSD licence with the following names as copyright holders:

Markus Friedl
Theo de Raadt
Niels Provos
Dug Song
Aaron Campbell
Portable OpenSSH additionally includes code from the following copyright
holders, also under the 2-term BSD license:

Ben Lindstrom
Tim Rice
Andre Lucas
Chris Adams
Corinna Vinschen
Cray Inc.
Denis Parker
Gert Doering
Jakob Schlyter
Jason Downs
Juha Yrjl
Michael Stone
Networks Associates Technology, Inc.
Solar Designer
Todd C. Miller
Wayne Schroeder
William Jones
Darren Tucker
Sun Microsystems
The SCO Group
Daniel Walsh

* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
*
* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
* IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
* IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
* INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

8) Portable OpenSSH contains the following additional licenses:

a) md5crypt.c, md5crypt.h

* "THE BEER-WARE LICENSE" (Revision 42):
* <phk@login.dknet.dk> wrote this file. As long as you retain this
* notice you can do whatever you want with this stuff. If we meet
* some day, and you think this stuff is worth it, you can buy me a
* beer in return.  Poul-Henning Kamp

b) snprintf replacement

* Copyright Patrick Powell 1995
* This code is based on code written by Patrick Powell
* (papowell@astart.com) It may be used for any purpose as long as this
* notice remains intact on all source code distributions

c) Compatibility code (openbsd-compat)

Apart from the previously mentioned licenses, various pieces of code
in the openbsd-compat/ subdirectory are licensed as follows:

Some code is licensed under a 3-term BSD license, to the following
copyright holders:

Todd C. Miller
Theo de Raadt
Damien Miller
Eric P. Allman
The Regents of the University of California
Constantin S. Svintsoff

* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. Neither the name of the University nor the names of its contributors
*    may be used to endorse or promote products derived from this software
*    without specific prior written permission.
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

Some code is licensed under an ISC-style license, to the following copyright holders:

Internet Software Consortium.
Todd C. Miller
Reyk Floeter
Chad Mynhier

* Permission to use, copy, modify, and distribute this software for any
* purpose with or without fee is hereby granted, provided that the above
* copyright notice and this permission notice appear in all copies.
*
* THE SOFTWARE IS PROVIDED "AS IS" AND TODD C. MILLER DISCLAIMS ALL
* WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL TODD C. MILLER BE LIABLE
* FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
* WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION
* OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN
* CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Some code is licensed under a MIT-style license to the following copyright holders:

Free Software Foundation, Inc.

* Permission is hereby granted, free of charge, to any person obtaining a *
* copy of this software and associated documentation files (the         *
* "Software"), to deal in the Software without restriction, including *
* without limitation the rights to use, copy, modify, merge, publish,   *
* distribute, distribute with modifications, sublicense, and/or sell  *
* copies of the Software, and to permit persons to whom the Software is *
* furnished to do so, subject to the following conditions:             *
*                 *
* The above copyright notice and this permission notice shall be included *
* in all copies or substantial portions of the Software.              *
* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS *
* OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF *
* MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. *
* IN NO EVENT SHALL THE ABOVE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, *
* DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR *
* OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR *
* THE USE OR OTHER DEALINGS IN THE SOFTWARE. *
* *
* Except as contained in this notice, the name(s) of the above copyright *
* holders shall not be used in advertising or otherwise to promote the *
* sale, use or other dealings in this Software without prior written *
* authorization. *
******************************************************************************/

-----
$OpenBSD: LICENCE,v 1.19 2004/08/30 09:18:08 markus Exp $
* Foremost, OpenSSH from which this project is derived.
* Jamie Beverly
* Rafael D'Halleweyn - 2011-06-05 18:56:24 EDT
* Jan-Pieter Cornet ( johnpc ) - 2012-03-23 03:25:52 PDT
* chrysn@fsfe.org
* dfberger@users.noreply.github.com
/* ====================================================================
* Copyright (c) 1998-2001 The OpenSSL Project. All rights reserved.
* *
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* *
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* *
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in
* the documentation and/or other materials provided with the
* distribution.
* *
* 3. All advertising materials mentioning features or use of this
* software must display the following acknowledgment:
* "This product includes software developed by the OpenSSL Project
* for use in the OpenSSL Toolkit. (http://www.openssl.org/)"
* *
* 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to
* endorse or promote products derived from this software without
* prior written permission. For written permission, please contact
* openssl-core@openssl.org.

Open Source Used In CSPC_Collector 2.9.1 8409
5. Products derived from this software may not be called "OpenSSL"
   nor may "OpenSSL" appear in their names without prior written
   permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following
   acknowledgment:
   "This product includes software developed by the OpenSSL Project
   for use in the OpenSSL Toolkit (http://www.openssl.org)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT \"AS IS\" AND ANY
EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR
ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.

Original SSLeay License
-----------------------

/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com)
   All rights reserved.

   This package is an SSL implementation written
   by Eric Young (eay@cryptsoft.com).
   The implementation was written so as to conform with Netscape's SSL.

   This library is free for commercial and non-commercial use as long as
   the following conditions are aheared to.  The following conditions
   apply to all code found in this distribution, be it the RC4, RSA,
   lhash, DES, etc., code; not just the SSL code.  The SSL documentation
   included with this distribution is covered by the same copyright terms
   except that the holder is Tim Hudson (tjh@cryptsoft.com).

   Copyright remains Eric Young's, and as such any Copyright notices in
* the code are not to be removed.
* If this package is used in a product, Eric Young should be given attribution
* as the author of the parts of the library used.
* This can be in the form of a textual message at program startup or
* in documentation (online or textual) provided with the package.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the copyright
   * notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
   * notice, this list of conditions and the following disclaimer in the
   * documentation and/or other materials provided with the distribution.
* 3. All advertising materials mentioning features or use of this software
   * must display the following acknowledgement:
   * "This product includes cryptographic software written by
   * Eric Young (eay@cryptsoft.com)"
   * The word 'cryptographic' can be left out if the routines from the library
   * being used are not cryptographic related :-).
* 4. If you include any Windows specific code (or a derivative thereof) from
   * the apps directory (application code) you must include an acknowledgement:
   * "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

* THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
* 
* The licence and distribution terms for any publically available version or
* derivative of this code cannot be changed. i.e. this code cannot simply be
* copied and put under another distribution licence
* [including the GNU Public Licence.]
*/

This file is part of the OpenSSH software.

The licences which components of this software fall under are as follows. First, we will summarize and say that all components
are under a BSD licence, or a licence more free than that.

OpenSSH contains no GPL code.
1) * Copyright (c) 1995 Tatu Ylonen <ylo@cs.hut.fi>, Espoo, Finland
   * All rights reserved
   *
   * As far as I am concerned, the code I have written for this software
   * can be used freely for any purpose. Any derived versions of this
   * software must be clearly marked as such, and if the derived work is
   * incompatible with the protocol description in the RFC file, it must be
   * called by a name other than "ssh" or "Secure Shell".

   [Tatu continues]
   * However, I am not implying to give any licenses to any patents or
   * copyrights held by third parties, and the software includes parts that
   * are not under my direct control. As far as I know, all included
   * source code is used in accordance with the relevant license agreements
   * and can be used freely for any purpose (the GNU license being the most
   * restrictive); see below for details.

   [However, none of that term is relevant at this point in time. All of
these restrictively licenced software components which he talks about
have been removed from OpenSSH, i.e.,

- RSA is no longer included, found in the OpenSSL library
- IDEA is no longer included, its use is deprecated
- DES is now external, in the OpenSSL library
- GMP is no longer used, and instead we call BN code from OpenSSL
- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
- TSS has been removed
- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
- Blowfish is now external, in the OpenSSL library

   [The licence continues]

Note that any information and cryptographic algorithms used in this
software are publicly available on the Internet and at any major
bookstore, scientific library, and patent office worldwide. More
information can be found e.g. at "http://www.cs.hut.fi/crypto".

The legal status of this program is some combination of all these
permissions and restrictions. Use only at your own responsibility.
You will be responsible for any legal consequences yourself; I am not
making any claims whether possessing or using this is legal or not in
your country, and I am not taking any responsibility on your behalf.
NO WARRANTY

BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

3) ssh-keyscan was contributed by David Mazieres under a BSD-style license.

* Copyright 1995, 1996 by David Mazieres <dm@lcs.mit.edu>.
* Modification and redistribution in source and binary forms is
* permitted provided that due credit is given to the author and the
* OpenBSD project by leaving this copyright notice intact.

4) The Rijndael implementation by Vincent Rijmen, Antoon Bosselaers
and Paulo Barreto is in the public domain and distributed
with the following license:

* @version 3.0 (December 2000)
* Optimised ANSI C code for the Rijndael cipher (now AES)
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
* @author Paulo Barreto <paulo.barreto@terra.com.br>
* This code is hereby placed in the public domain.
* THIS SOFTWARE IS PROVIDED BY THE AUTHORS "AS IS" AND ANY EXPRESS
* OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
* BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,
* WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE
* OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE,
* EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

5)
One component of the ssh source code is under a 3-clause BSD license, held by the University of California, since we pulled these parts from original Berkeley code.

* The Regents of the University of California. All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. Neither the name of the University nor the names of its contributors
*    may be used to endorse or promote products derived from this software
*    without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.

6)
Remaining components of the software are provided under a standard 2-term BSD licence with the following names as copyright holders:

Markus Friedl
Theo de Raadt
Niels Provos
Dug Song
Aaron Campbell
Damien Miller
Kevin Steves
Daniel Kouril
Wesley Griffin
Per Allansson
Niels Nordman
Simon Wilkinson

Portable OpenSSH additionally includes code from the following copyright holders, also under the 2-term BSD license:

Ben Lindstrom
Tim Rice
Andre Lucas
Chris Adams
Corinna Vinschen
Cray Inc.
Denis Parker
Gert Doering
Jakob Schlyter
Jason Downs
Juha Yrjl
Michael Stone
Networks Associates Technology, Inc.
Solar Designer
Todd C. Miller
Wayne Schroeder
William Jones
Darren Tucker
Sun Microsystems
The SCO Group
Daniel Walsh
Red Hat, Inc
Simon Vallet / Genoscope

* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
*
* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
* IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
* IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
* INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

8) Portable OpenSSH contains the following additional licenses:

a) md5crypt.c, md5crypt.h

* "THE BEER-WARE LICENSE" (Revision 42):
* <phk@login.dknet.dk> wrote this file. As long as you retain this
* notice you can do whatever you want with this stuff. If we meet
* some day, and you think this stuff is worth it, you can buy me a
* beer in return.   Poul-Henning Kamp

b) snprintf replacement

* Copyright Patrick Powell 1995
* This code is based on code written by Patrick Powell
* (papowell@astart.com) It may be used for any purpose as long as this
* notice remains intact on all source code distributions

c) Compatibility code (openbsd-compat)

Apart from the previously mentioned licenses, various pieces of code
in the openbsd-compat/ subdirectory are licensed as follows:

Some code is licensed under a 3-term BSD license, to the following
copyright holders:

Todd C. Miller
Theo de Raadt
Damien Miller
Eric P. Allman
The Regents of the University of California
Constantin S. Svintsoff

* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Some code is licensed under an ISC-style license, to the following copyright holders:

Internet Software Consortium.
Todd C. Miller
Reyk Floeter
Chad Mynhier

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND TODD C. MILLER DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL TODD C. MILLER BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Some code is licensed under a MIT-style license to the following copyright holders:

Free Software Foundation, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
* distribute, distribute with modifications, sublicense, and/or sell     *
* copies of the Software, and to permit persons to whom the Software is *
* furnished to do so, subject to the following conditions:            *
 *
* The above copyright notice and this permission notice shall be included *
* in all copies or substantial portions of the Software.              *
 *
* THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS *
* OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF          *
* MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. *
* IN NO EVENT SHALL THE ABOVE COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, *
* DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR *
* OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR *
* THE USE OR OTHER DEALINGS IN THE SOFTWARE.                           *
 *
* Except as contained in this notice, the name(s) of the above copyright *
* holders shall not be used in advertising or otherwise to promote the *
* sale, use or other dealings in this Software without prior written    *
* authorization.                                                        *
**************************************************************************/

------
$OpenBSD: LICENCE,v 1.20 2017/04/30 23:26:16 djm Exp $
This package was debianized by Jamie Beverly <soupboy@sourceforge.net> on
Wed, 13 Jan 2010 01:08:49 +0300.

It was downloaded from http://pamsshagentauth.sf.net/

Copyright:

Copyright (C) 2008 Jamie Beverly

License:

Copyright (c) 2008, Jamie Beverly.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are
permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of
   conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list
   of conditions and the following disclaimer in the documentation and/or other materials
   provided with the distribution.
THIS SOFTWARE IS PROVIDED BY Jamie Beverly ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL Jamie Beverly OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The views and conclusions contained in the software and documentation are those of the authors and should not be interpreted as representing official policies, either expressed or implied, of Jamie Beverly.

The Debian packaging is copyright 2010, Jamie Beverly <soupboy@sourceforge.net> and is licensed under the GPL, see `/usr/share/common-licenses/GPL-2'.

/*
 * All distribution files are
 * Copyright (c) 2010 Jamie Beverly. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 *
 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
 * IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
 * IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
 * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
 * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
 * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */
Apache License  
Version 2.0, January 2004  
http://www.apache.org/licenses/  

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION  

1. Definitions.  

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.  

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.  

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.  

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.  

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.  

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.  

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).  

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
    Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
    stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
    that You distribute, all copyright, patent, trademark, and
    attribution notices from the Source form of the Work,
    excluding those notices that do not pertain to any part of
    the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
    distribution, then any Derivative Works that You distribute must
    include a readable copy of the attribution notices contained
    within such NOTICE file, excluding those notices that do not
    pertain to any part of the Derivative Works, in at least one
    of the following places: within a NOTICE text file distributed
    as part of the Derivative Works; within the Source form or
    documentation, if provided along with the Derivative Works; or,
    within a display generated by the Derivative Works, if and
    wherever such third-party notices normally appear. The contents
    of the NOTICE file are for informational purposes only and
    do not modify the License. You may add Your own attribution
    notices within Derivative Works that You distribute, alongside
    or as an addendum to the NOTICE text from the Work, provided
    that such additional attribution notices cannot be construed
    as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.
Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.798 libaio 0.3.112 1.el8
1.798.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations
below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".
A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those
countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and
"any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.
Open Source Used In CSPC_Collector 2.9.1  8435

1.799 libunistring 0.9.9-3.el8
1.799.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked
Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are
based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the
object code and/or source code for the Application, including any data
and utility programs needed for reproducing the Combined Work from the
Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that
the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:
a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.
The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.
You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a
written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent 
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, 
procedures, authorization keys, or other information required to install 
and execute modified versions of a covered work in that User Product from 
a modified version of its Corresponding Source. The information must 
suffice to ensure that the continued functioning of the modified object 
code is in no case prevented or interfered with solely because 
modification has been made.

If you convey an object code work under this section in, or with, or 
specifically for use in, a User Product, and the conveying occurs as 
part of a transaction in which the right of possession and use of the 
User Product is transferred to the recipient in perpetuity or for a 
fixed term (regardless of how the transaction is characterized), the 
Corresponding Source conveyed under this section must be accompanied 
by the Installation Information. But this requirement does not apply 
if neither you nor any third party retains the ability to install 
modified object code on the User Product (for example, the work has 
been installed in ROM).

The requirement to provide Installation Information does not include a 
requirement to continue to provide support service, warranty, or updates 
for a work that has been modified or installed by the recipient, or for 
the User Product in which it has been modified or installed. Access to a 
network may be denied when the modification itself materially and 
adversely affects the operation of the network or violates the rules and 
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, 
in accord with this section must be in a format that is publicly 
documented (and with an implementation available to the public in 
source code form), and must require no special password or key for 
unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this 
License by making exceptions from one or more of its conditions. 
Additional permissions that are applicable to the entire Program shall 
be treated as though they were included in this License, to the extent 
that they are valid under applicable law. If additional permissions 
apply only to part of the Program, that part may be used separately 
under those permissions, but the entire Program remains governed by 
this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option
remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.
8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible
for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.
If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may
not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License “or any later version” applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty: and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read
@c The GNU General Public License.
@center Version 3, 29 June 2007
@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

@display
Copyright @copyright{} 2007 Free Software Foundation, Inc. @url{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies of this
license document, but changing it is not allowed.
@end display

@heading Preamble

The GNU General Public License is a free, copyleft license for
The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in
other domains, we stand ready to extend this provision to those
domains in future versions of the GPL, as needed to protect the
freedom of users.

Finally, every program is threatened constantly by software patents.
States should not allow patents to restrict development and use of
software on general-purpose computers, but in those that do, we wish
to avoid the special danger that patents applied to a free program
could make it effectively proprietary. To prevent this, the GPL
assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and
modification follow.

@heading TERMS AND CONDITIONS

@enumerate 0
@item Definitions.

``This License'' refers to version 3 of the GNU General Public License.
``Copyright'' also means copyright-like laws that apply to other kinds
of works, such as semiconductor masks.

``The Program'' refers to any copyrightable work licensed under this
License. Each licensee is addressed as ``you''. ``Licensees'' and
``recipients'' may be individuals or organizations.

To ``modify'' a work means to copy from or adapt all or part of the work
in a fashion requiring copyright permission, other than the making of
an exact copy. The resulting work is called a ``modified version'' of
the earlier work or a work ``based on'' the earlier work.

A ``covered work'' means either the unmodified Program or a work based
on the Program.

To ``propagate'' a work means to do anything with it that, without
permission, would make you directly or secondarily liable for
infringement under applicable copyright law, except executing it on a
computer or modifying a private copy. Propagation includes copying,
distribution (with or without modification), making available to the
public, and in some countries other activities as well.

To ``convey'' a work means any kind of propagation that enables other
parties to make or receive copies. Mere interaction with a user
through a computer network, with no transfer of a copy, is not
conveying.
An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

@item Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same
work.

@item Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

@item Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

@item Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice;
keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

@item Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

@enumerate
@item The work must carry prominent notices stating that you modified it, and giving a relevant date.
@item The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to ``keep intact all notices''.
@item You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
@item If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.
@end enumerate

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users
beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

@item Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

@enumerate
@item Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

@item Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

@item Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

@item Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain
obligated to ensure that it is available for as long as needed to satisfy these requirements.

@item
Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

@end enumerate

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).
The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

@item Additional Terms.

``Additional permissions`` are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

@enumerate a
@item Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
@item Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
@item
Prohibiting misrepresentation of the origin of that material, or
requiring that modified versions of such material be marked in
reasonable ways as different from the original version; or

@item
Limiting the use for publicity purposes of names of licensors or
authors of the material; or

@item
Declining to grant rights under trademark law for use of some trade
names, trademarks, or service marks; or

@item
Requiring indemnification of licensors and authors of that material by
anyone who conveys the material (or modified versions of it) with
contractual assumptions of liability to the recipient, for any
liability that these contractual assumptions directly impose on those
licensors and authors.
@end enumerate

All other non-permissive additional terms are considered ``further
restrictions'' within the meaning of section 10. If the Program as you
received it, or any part of it, contains a notice stating that it is
governed by this License along with a term that is a further
restriction, you may remove that term. If a license document contains
a further restriction but permits relicensing or conveying under this
License, you may add to a covered work material governed by the terms
of that license document, provided that the further restriction does
not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you
must place, in the relevant source files, a statement of the
additional terms that apply to those files, or a notice indicating
where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the
form of a separately written license, or stated as exceptions; the
above requirements apply either way.

@item Termination.

You may not propagate or modify a covered work except as expressly
provided under this License. Any attempt otherwise to propagate or
modify it is void, and will automatically terminate your rights under
this License (including any patent licenses granted under the third
paragraph of section 11).

However, if you cease all violation of this License, then your license
from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

@item Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

@item Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An ``entity transaction'' is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the
rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

@item Patents.

A ``contributor'' is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's ``contributor version''.

A contributor's ``essential patent claims'' are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, ``control'' includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a ``patent license'' is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To ``grant'' such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. ``Knowingly relying'' means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.
If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

@item No Surrender of Others' Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

@item Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work,
but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

@item Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License ``or any later version'' applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

@item Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM ``AS IS'' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

@item Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES
ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

@item Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

@end enumerate

@end enumerate

@heading END OF TERMS AND CONDITIONS

@heading How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the `copyright' line and a pointer to where the full notice is found.

@smallexample
@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{year} @var{name of author}

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see @url{http://www.gnu.org/licenses/}.
@end smallexample
Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

@smallexample
@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
This is free software, and you are welcome to redistribute it under certain conditions; type @samp{show c} for details.
@end smallexample

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an ``about box''.

You should also get your employer (if you work as a programmer) or school, if any, to sign a ``copyright disclaimer'' for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see @url{http://www.gnu.org/licenses/}.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read @url{http://www.gnu.org/philosophy/why-not-lgpl.html}.

@c The GNU Free Documentation License.
@c Version 1.3, 3 November 2008
@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

@display
@uref{http://fsf.org/}
@end display

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
@end display

@enumerate 0
@item
PREAMBLE
@end enumerate

The purpose of this License is to make a manual, textbook, or other
functional and useful document @dfn{free} in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondly, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of ´`copyleft´`, which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The ´`Document´`, below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as ´`you´`. You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A ´`Modified Version´` of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A ´`Secondary Section´` is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.
The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain sc{ascii} without markup, Texinfo input format, LaTeX{} input format, acronym{SGML} or acronym{XML} using a publicly available acronym{DTD}, and standard-conforming simple acronym{HTML}. PostScript or acronym{PDF} designed for human modification. Examples of transparent image formats include acronym{PNG}, acronym{XCF} and acronym{JPG}. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, acronym{SGML} or acronym{XML} for which the acronym{DTD} and/or processing tools are not generally available, and the machine-generated acronym{HTML}, PostScript or acronym{PDF} produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.
A section ``Entitled XYZ'' means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as ``Acknowledgements'', ``Dedications'', ``Endorsements'', or ``History''.) To ``Preserve the Title'' of such a section when you modify the Document means that it remains a section ``Entitled XYZ'' according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item

VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item

COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.
If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

@item
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate A
@item
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled ``History``, Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled ``History`` in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the ``History`` section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled ``Acknowledgements`` or ``Dedications``, Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document.
unaltered in their text and in their titles. Section numbers
or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled “Endorsements”. Such a section
may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled “Endorsements” or
to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or
appendices that qualify as Secondary Sections and contain no material
copied from the Document, you may at your option designate some or all
of these sections as invariant. To do this, add their titles to the
list of Invariant Sections in the Modified Version’s license notice.
These titles must be distinct from any other section titles.

You may add a section Entitled “Endorsements”, provided it contains
nothing but endorsements of your Modified Version by various
parties---for example, statements of peer review or that the text has
been approved by an organization as the authoritative definition of a
standard.

You may add a passage of up to five words as a Front-Cover Text, and a
passage of up to 25 words as a Back-Cover Text, to the end of the list
of Cover Texts in the Modified Version. Only one passage of
Front-Cover Text and one of Back-Cover Text may be added by (or
through arrangements made by) any one entity. If the Document already
includes a cover text for the same cover, previously added by you or
by arrangement made by the same entity you are acting on behalf of,
you may not add another; but you may replace the old one, on explicit
permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License
give permission to use their names for publicity for or to assert or
imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this
License, under the terms defined in section 4 above for modified
versions, provided that you include in the combination all of the
Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item

COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item

AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on
covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item
TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled ``Acknowledgements'', ``Dedications'', or ``History'', the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item
TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.
Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RELICENSING

``Massive Multiauthor Collaboration Site'' (or ``MMC Site'') means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A `"Massive Multiauthor Collaboration'' (or ``MMC'') contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA'' means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate'' means to publish or republish a Document, in whole or in part, as part of another Document.
An MMC is “eligible for relicensing” if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

```
@smallexample
@group
Copyright (C) @var{year}  @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled “GNU Free Documentation License”.
@end group
@end smallexample
```

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the “with@dots{}Texts.” line with this:

```
@smallexample
@group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample
```

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of
free software license, such as the GNU General Public License,
to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

1.800 xmlsec 1.2.25 4.el8

1.800.1 Available under license:
See Copyright file for information about the copyright
xmlsec, xmlsec-openssl, xmlsec-gnutls, xmlsec-gcrypt libraries

Copyright (C) 2002-2016 Aleksey Sanin <aleksey@aleksey.com>. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is fur-
nished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FIT-
NESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
ALEKSEY SANIN BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER
IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CON-
NECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of Aleksey Sanin shall not
be used in advertising or otherwise to promote the sale, use or other deal-
ings in this Software without prior written authorization from him.

xmlsec-nss library

Copyright (C) 2002-2016 Aleksey Sanin <aleksey@aleksey.com>. All Rights Reserved.
Copyright (c) 2003 America Online, Inc. All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is fur-
nished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

Portions of the Software were created using source code and/or APIs
governed by the Mozilla Public License (MPL). The MPL is available
at http://www.mozilla.org/MPL/MPL-1.1.html. The MPL permits such
portions to be distributed with code not governed by MPL, as long
as the requirements of MPL are fulfilled for such portions.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FIT-
NESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
ALEKSEY SANIN BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER
IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CON-
NECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of Aleksey Sanin shall not
be used in advertising or otherwise to promote the sale, use or other deal-
ings in this Software without prior written authorization from him.

xmlsec-mscrypto library

-----------------------------------------------------------------------------

Copyright (C) 2002-2016 Aleksey Sanin <aleksey@aleksey.com>. All Rights Reserved.
Copyright (C) 2003 Cordys R&D BV. All rights reserved.
Copyright (C) 2007 Roumen Petrov.
Copyright (c) 2005-2006 Cryptocom LTD (http://www.cryptocom.ru).

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is fur-
nished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FIT-
NESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
ALEKSEY SANIN BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER
IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CON-
Except as contained in this notice, the name of Aleksey Sanin shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from him.

References

- AOL
  http://www.alexey.com/pipermail/xmlsec/attachments/20030729/0e25648e/attachment.htm

- Cordys R&D BV

- Cryptocom LTD

1.801 postfix 3.3.1 9.el8

1.801.1 Available under license:

Author:

--------
- Postfix/TLS support was originally developed by Lutz Jaenicke of Brandenburg University of Technology, Cottbus, Germany.

License:

--------
- This software is free. You can do with it whatever you want.
  I would however kindly ask you to acknowledge the use of this package, if you are going use it in your software, which you might be going to distribute. I would also like to receive a note if you are a satisfied user :-) 

Acknowledgements:

------------------
- This package is based on the OpenSSL package as provided by the `OpenSSL Project`.

Disclaimer:

------------------
- This software is provided ``as is``. You are using it at your own risk.
  I will take no liability in any case.
- This software package uses strong cryptography, so even if it is created,
maintained and distributed from liberal countries in Europe (where it is legal to do this), it falls under certain export/import and/or use restrictions in some other parts of the world.

- PLEASE REMEMBER THAT EXPORT/IMPORT AND/OR USE OF STRONG CRYPTOGRAPHY SOFTWARE, PROVIDING CRYPTOGRAPHY HOOKS OR EVEN JUST COMMUNICATING TECHNICAL DETAILS ABOUT CRYPTOGRAPHY SOFTWARE IS ILLEGAL IN SOME PARTS OF THE WORLD. SO, WHEN YOU IMPORT THIS PACKAGE TO YOUR COUNTRY, RE-DISTRIBUTE IT FROM THERE OR EVEN JUST EMAIL TECHNICAL SUGGESTIONS OR EVEN SOURCE PATCHES TO THE AUTHOR OR OTHER PEOPLE YOU ARE STRONGLY ADVISED TO PAY CLOSE ATTENTION TO ANY EXPORT/IMPORT AND/OR USE LAWS WHICH APPLY TO YOU. THE AUTHOR OF PFIXTLS IS NOT LIABLE FOR ANY VIOLATIONS YOU MAKE HERE. SO BE CAREFULLY YOURSELF, IT IS YOUR RESPONSIBILITY.

LICENSE - SECURE MAILER

This software is dual-licensed under both the Eclipse Public License version 2.0 and the IBM Public License version 1.0, for those who are more comfortable continuing with that license. Recipients can choose to take the software under the license of their choice.

The remainder of this text contains a copy of each license.

Eclipse Public License - v 2.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial content
   Distributed under this Agreement, and

b) in the case of each subsequent Contributor:
   i) changes to the Program, and
   ii) additions to the Program;
where such changes and/or additions to the Program originate from and are Distributed by that particular Contributor. A Contribution "originates" from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include changes or additions to the Program that are not Modified Works.

"Contributor" means any person or entity that Distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which
are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions Distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement or any Secondary License (as applicable), including Contributors.

"Derivative Works" shall mean any work, whether in Source Code or other form, that is based on (or derived from) the Program and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

"Modified Works" shall mean any work in Source Code or other form that results from an addition to, deletion from, or modification of the contents of the Program, including, for purposes of clarity any new file in Source Code form that contains any contents of the Program. Modified Works shall not include works that contain only declarations, interfaces, types, classes, structures, or files of the Program solely in each case in order to link to, bind by name, or subclass the Program or Modified Works thereof.

"Distribute" means the acts of a) distributing or b) making available in any manner that enables the transfer of a copy.

"Source Code" means the form of a Program preferred for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Secondary License" means either the GNU General Public License, Version 2.0, or any later versions of that license, including any exceptions or additional permissions as identified by the initial Contributor.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, Distribute and sublicense the Contribution of such Contributor, if any, and such Derivative Works.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in Source Code or other form. This patent license shall
apply to the combination of the Contribution and the Program if, at
the time the Contribution is added by the Contributor, such addition
of the Contribution causes such combination to be covered by the
Licensed Patents. The patent license shall not apply to any other
combinations which include the Contribution. No hardware per se is
licensed hereunder.

c) Recipient understands that although each Contributor grants the
licenses to its Contributions set forth herein, no assurances are
provided by any Contributor that the Program does not infringe the
patent or other intellectual property rights of any other entity.
Each Contributor disclaims any liability to Recipient for claims
brought by any other entity based on infringement of intellectual
property rights or otherwise. As a condition to exercising the
rights and licenses granted hereunder, each Recipient hereby
assumes sole responsibility to secure any other intellectual
property rights needed, if any. For example, if a third party
patent license is required to allow Recipient to Distribute the
Program, it is Recipient's responsibility to acquire that license
before distributing the Program.

d) Each Contributor represents that to its knowledge it has
sufficient copyright rights in its Contribution, if any, to grant
the copyright license set forth in this Agreement.

e) Notwithstanding the terms of any Secondary License, no
Contributor makes additional grants to any Recipient (other than
those set forth in this Agreement) as a result of such Recipient's
receipt of the Program under the terms of a Secondary License
(if permitted under the terms of Section 3).

3. REQUIREMENTS

3.1 If a Contributor Distributes the Program in any form, then:

a) the Program must also be made available as Source Code, in
accordance with section 3.2, and the Contributor must accompany
the Program with a statement that the Source Code for the Program
is available under this Agreement, and informs Recipients how to
obtain it in a reasonable manner on or through a medium customarily
used for software exchange; and

b) the Contributor may Distribute the Program under a license
different than this Agreement, provided that such license:
   i) effectively disclaims on behalf of all other Contributors all
      warranties and conditions, express and implied, including
      warranties or conditions of title and non-infringement, and
      implied warranties or conditions of merchantability and fitness
for a particular purpose;

ii) effectively excludes on behalf of all other Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) does not attempt to limit or alter the recipients' rights in the Source Code under section 3.2; and

iv) requires any subsequent distribution of the Program by any party to be under a license that satisfies the requirements of this section 3.

3.2 When the Program is Distributed as Source Code:

a) it must be made available under this Agreement, or if the Program (i) is combined with other material in a separate file or files made available under a Secondary License, and (ii) the initial Contributor attached to the Source Code the notice described in Exhibit A of this Agreement, then the Program may be made available under the terms of such Secondary Licenses, and

b) a copy of this Agreement must be included with each copy of the Program.

3.3 Contributors may not remove or alter any copyright, patent, trademark, attribution notices, disclaimers of warranty, or limitations of liability ("notices") contained within the Program from any copy of the Program which they Distribute, provided that Contributors may add their own appropriate notices.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged
intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor’s responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of
the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be Distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to Distribute the Program (including its Contributions) under the new version.

Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved. Nothing in this Agreement is intended to be enforceable by any entity that is not a Contributor or Recipient. No third-party beneficiary rights are created under this Agreement.

Exhibit A - Form of Secondary Licenses Notice

"This Source Code may also be made available under the following Secondary Licenses when the conditions for such availability set forth in the Eclipse Public License, v. 2.0 are satisfied: {name license(s),
Simply including a copy of this Agreement, including this Exhibit A is not sufficient to license the Source Code under Secondary Licenses.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

IBM PUBLIC LICENSE VERSION 1.0 - SECURE MAILER

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS IBM PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:
   a) in the case of International Business Machines Corporation ("IBM"), the Original Program, and
   b) in the case of each Contributor,
      i) changes to the Program, and
      ii) additions to the Program;
         where such changes and/or additions to the Program originate from and are distributed by that particular Contributor.
         A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf.

Contributions do not include additions to the Program which:
   (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and
   (ii) are not derivative works of the Program.

"Contributor" means IBM and any other entity that distributes the Program.

"Licensed Patents " mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Original Program" means the original version of the software accompanying this Agreement as released by IBM, including source code, object code and documentation, if any.

"Program" means the Original Program and Contributions.
"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and
b) its license agreement:
i) effectively disclaims on behalf of all Contributors all
warranties and conditions, express and implied, including
warranties or conditions of title and non-infringement, and
implied warranties or conditions of merchantability and fitness
for a particular purpose;
ii) effectively excludes on behalf of all Contributors all
liability for damages, including direct, indirect, special,
incidental and consequential damages, such as lost profits;
iii) states that any provisions which differ from this Agreement
are offered by that Contributor alone and not by any other
party; and
iv) states that source code for the Program is available from
such Contributor, and informs licensees how to obtain it in a
reasonable manner on or through a medium customarily used for
software exchange.

When the Program is made available in source code form:
a) it must be made available under this Agreement; and
b) a copy of this Agreement must be included with each copy of the
Program.

Each Contributor must include the following in a conspicuous location
in the Program:

Copyright (c) 1997,1998,1999, International Business Machines
Corporation and others. All Rights Reserved.

In addition, each Contributor must identify itself as the originator of
its Contribution, if any, in a manner that reasonably allows subsequent
Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities
with respect to end users, business partners and the like. While this
license is intended to facilitate the commercial use of the Program, the
Contributor who includes the Program in a commercial product offering
should do so in a manner which does not create potential liability for
other Contributors. Therefore, if a Contributor includes the Program in
a commercial product offering, such Contributor ("Commercial Contributor")
hereby agrees to defend and indemnify every other Contributor
("Indemnified Contributor") against any losses, damages and costs
(collectively "Losses") arising from claims, lawsuits and other legal
actions brought by a third party against the Indemnified Contributor to
the extent caused by the acts or omissions of such Commercial Contributor
in connection with its distribution of the Program in a commercial
product offering. The obligations in this section do not apply to any
claims or Losses relating to any actual or alleged intellectual property
infringement. In order to qualify, an Indemnified Contributor must:
   a) promptly notify the Commercial Contributor in writing of such claim, and
   b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action
by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

IBM may publish new versions (including revisions) of this Agreement from time to time. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. No one other than IBM has the right to modify this Agreement. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation. Included for the use of the fix_strcasecmp.c module which works around a Solaris problem.

/ *
* Copyright (c) 1987, 1993
* The Regents of the University of California. All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. All advertising materials mentioning features or use of this software
* must display the following acknowledgement:
* This product includes software developed by the University of
* California, Berkeley and its contributors.
* 4. Neither the name of the University nor the names of its contributors
* may be used to endorse or promote products derived from this software
* without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/

1.802 jackson-mapper-asl 1.9.13

1.802.1 Available under license :
No license file was found, but licenses were detected in source scan.

/* Jackson JSON-processor.
 *
* Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi
 *
* Licensed under the License specified in file LICENSE, included with
* the source code and binary code bundles.
* You may not use this file except in compliance with the License.
 *
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1078286973_1597285663.32/0/jackson-mapper-asl-1-9-13-sources-2-jar/org/codehaus/jackson/map/MappingJsonFactory.java

## 1.803 perl-xml-namespacesupport 1.12-4.el8

### 1.803.1 Available under license:

This software is copyright (c) 2015 by Robin Berjon.

This is free software; you can redistribute it and/or modify it under the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 2015 by Robin Berjon.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.
When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any
other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,
c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to humanity, the best way to achieve this is to make it
free software which everyone can redistribute and change under these
terms.

To do so, attach the following notices to the program. It is safest to
attach them to the start of each source file to most effectively convey
the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 1, or (at your option)
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 2015 by Robin Berjon.

This is free software, licensed under:
The Artistic License 1.0

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your
modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.804 python-jinja 2.10.1-2.el8_0

1.804.1 Available under license :

Copyright (c) 2009 by the Jinja Team, see AUTHORS for more details.

Some rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2010 by Armin Ronacher.

Some rights reserved.

Redistribution and use in source and binary forms of the theme, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* The names of the contributors may not be used to endorse or promote products derived from this software without specific prior written permission.

We kindly ask you to only use these themes in an unmodified manner just for Flask and Flask-related products, not for unrelated projects. If you like the visual style and want to use it for your own projects, please consider making some larger changes to the themes (such as changing font faces, sizes, colors or margins).

THIS THEME IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS THEME, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.805 xpp 1.1.4.c

1.805.1 Available under license:

<OWNER> = Regents of the University of California
<ORGANIZATION> = University of California, Berkeley
<YEAR> = 1998

In the original BSD license, both occurrences of the phrase "COPYRIGHT HOLDERS AND CONTRIBUTORS" in the disclaimer read "REGENTS AND CONTRIBUTORS".

Here is the license template:

Copyright (c) <YEAR>, <OWNER>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the
following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
Neither the name of the <ORGANIZATION> nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.806 bzip2 1.0.6
1.806.1 Available under license:

This program, "bzip2" and associated library "libbzip2", are copyright (C) 1996-2002 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS
OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, Cambridge, UK.
jseward@acm.org
bzip2/libbz2 version 1.0.2 of 30 December 2001

/*
minibz2
   libbz2.dll test program.
   by Yoshioka Tsuneo (tsuneo@rr.iij4u.or.jp)
   This file is Public Domain. Welcome any email to me.

   usage: minibz2 [-d] [-{1,2,...9}] [[srcfilename] destfilename]
*/

%/CreationDate: Wed Dec 22 1999
% Copyright (URW)++,Copyright 1999 by (URW)++ Design & Development
% (URW)++,Copyright 1999 by (URW)++ Design & Development
% See the file COPYING (GNU General Public License) for license conditions.
% As a special exception, permission is granted to include this font
% program in a Postscript or PDF file that consists of a document that
% contains text to be displayed or printed using this font, regardless
% of the conditions or license applying to the document itself.

/Notice ((URW)++,Copyright 1999 by (URW)++ Design & Development. See the file COPYING (GNU General Public License) for license conditions. As a special exception, permission is granted to include this font program in a Postscript or PDF file that consists of a document that contains text to be displayed or printed using this font, regardless of the conditions or license applying to the document itself.) readonly def
/Copyright (Copyright (URW)++,Copyright 1999 by (URW)++ Design & Development) readonly def

1.807 junit 3.8.1
1.807.1 Available under license:

Common Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.
1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.
d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a)
promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NONINFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient’s rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of
such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

1.808 kmod 25-13.el8
1.808.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.
When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of
this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.
b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
      stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

LGPL
LGPL
LGPL

1.809 python-ply 3.9 7.el8

1.809.1 Available under license:

No license file was found, but licenses were detected in source scan.

# This work is hereby released into the Public Domain. To view a copy of
# the public domain dedication, visit

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018810393_1591907555.94/0/python-ply-3.9-7.el8.src.rpm-cosi-expand-archive-
  koFShgSj/ply-3.9.tar.gz-cosi-expand-archive-EHuCTkHG/ply-3.9/example/GardenSnake/GardenSnake.py
No license file was found, but licenses were detected in source scan.

PLY (Python Lex-Yacc) Version 3.9

Copyright (C) 2001-2016
David M. Beazley (Dabeaz LLC)
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

* Redistributions of source code must retain the above copyright notice,
  this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice,
  this list of conditions and the following disclaimer in the documentation
  and/or other materials provided with the distribution.
* Neither the name of the David Beazley or Dabeaz LLC may be used to
  endorse or promote products derived from this software without
  specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
Introduction
==============

PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc. If you know how to use these tools in C, you will find PLY to be similar.

- PLY provides *very* extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.

- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.

- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.

- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.

- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

How to Use
==========

PLY consists of two files : lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:
import ply.lex as lex
import ply.yacc as yacc

Alternatively, you can copy just the files lex.py and yacc.py individually and use them as modules. For example:

    import lex
    import yacc

The file setup.py can be used to install ply using distutils.

The file doc/ply.html contains complete documentation on how to use the system.

The example directory contains several different examples including a PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

Requirements
============
PLY requires the use of Python 2.6 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

Resources
=========  
More information about PLY can be obtained on the PLY webpage at:

    http://www.dabeaz.com/ply

For a detailed overview of parsing theory, consult the excellent book "Compilers : Principles, Techniques, and Tools" by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful.

The GitHub page for PLY can be found at:

    https://github.com/dabeaz/ply

An old and relatively inactive discussion group for PLY is found at:

    http://groups.google.com/group/ply-hack

Acknowledgments
================
A special thanks is in order for all of the students in CS326 who
suffered through about 25 different versions of these tools :-).

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

Special Note for PLY-3.0
========================
PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.6 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.

Example
=======
Here is a simple example showing a PLY implementation of a calculator with variables.

```python
# ------------------------------------------------------------------------------
# calc.py
# #
# # A simple calculator with variables.
# # ----------------------------------------------------------------------------

tokens = ( 'NAME','NUMBER',
            'PLUS','MINUS','TIMES','DIVIDE','EQUALS',
            'LPAREN','RPAREN',
            )

def t_NUMBER(t):
r\d+
t.value = int(t.value)
```
return t

# Ignored characters
t_ignore = " \
"

def t_newline(t):
    r'\n+'
    t.lexer.lineno += t.value.count("\n")

def t_error(t):
    print("Illegal character \"%s\" ", t.value[0])
    t.lexer.skip(1)

# Build the lexer
import ply.lex as lex
lex.lex()

# Precedence rules for the arithmetic operators
precedence = (
    ('left','PLUS','MINUS'),
    ('left','TIMES','DIVIDE'),
    ('right','UMINUS'),
)

# dictionary of names (for storing variables)
names = {}

def p_statement_assign(p):
    'statement : NAME EQUALS expression'
    names[p[1]] = p[3]

def p_statement_expr(p):
    'statement : expression'
    print(p[1])

def p_expression_binop(p):
    "expression : expression PLUS expression |
    expression MINUS expression |
    expression TIMES expression |
    expression DIVIDE expression"

def p_expression_uminus(p):
    'expression : MINUS expression %prec UMINUS'
    p[0] = -p[2]
def p_expression_group(p):
    'expression : LPAREN expression RPAREN'
    p[0] = p[2]

def p_expression_number(p):
    'expression : NUMBER'
    p[0] = p[1]

def p_expression_name(p):
    'expression : NAME'
    try:
        p[0] = names[p[1]]
    except LookupError:
        print("Undefined name '%s'" % p[1])
    p[0] = 0

def p_error(p):
    print("Syntax error at '%s'" % p.value)

import ply.yacc as yacc
yacc.yacc()

while True:
    try:
        s = raw_input('calc > ')   # use input() on Python 3
    except EOFError:
        break
    yacc.parse(s)

Bug Reports and Patches
=======================
My goal with PLY is to simply have a decent lex/yacc implementation
for Python. As a general rule, I don't spend huge amounts of time
working on it unless I receive very specific bug reports and/or
patches to fix problems. I also try to incorporate submitted feature
requests and enhancements into each new version. Please visit the PLY
github page at https://github.com/dabeaz/ply to submit issues and pull
requests. To contact me about bugs and/or new features, please send
email to dave@dabeaz.com.

-- Dave

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018810393_1591907555.94/0/python-ply-3.9-7.el8.src.rpm-cosi-expand-archive-
koFSkgSj/pla-3.9.tar.gz-cosi-expand-archive-EHuCTkHG/pla-3.9/README.md
No license file was found, but licenses were detected in source scan.

# All rights reserved

Found in path(s):
No license file was found, but licenses were detected in source scan.

# All rights reserved.
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are
# * Redistributions of source code must retain the above copyright notice,
#   this list of conditions and the following disclaimer.
# * Redistributions in binary form must reproduce the above copyright notice,
#   this list of conditions and the following disclaimer in the documentation
# * Neither the name of the David Beazley or Dabeaz LLC may be used to

Found in path(s):
No license file was found, but licenses were detected in source scan.

License: BSD

Found in path(s):
No license file was found, but licenses were detected in source scan.

License: BSD

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018810393_1591907555.94/0/python-ply-3.9-7.el8.src.rpm-cosi-expand-archive-koFShgSj/python-pl.spec

1.810 python-setuptools 39.2.0 5.el8

1.810.1 Available under license:
Copyright (C) 2016 Jason R Coombs <jaraco@jaraco.com>

Permission is hereby granted, free of charge, to any person obtaining a copy of
this software and associated documentation files (the “Software”), to deal in
the Software without restriction, including without limitation the rights to
use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies
of the Software, and to permit persons to whom the Software is furnished to do
so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all
copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.

1.811 jersey-guava 2.22.2

1.811.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 *
 * Copyright (C) 2010 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS-IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
 * /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/collect/GenericMapMaker.java
No license file was found, but licenses were detected in source scan.

/*
 *
 * Copyright (C) 2011 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not
 * use this file except in compliance with the License. You may obtain a copy of
jar/jersey/repackaged/com/google/common/io/CharSequenceReader.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2011 The Guava Authors
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
/*
 * This method was written by Doug Lea with assistance from members of JCP
 * JSR-166 Expert Group and released to the public domain, as explained at
 * http://creativecommons.org/licenses/publicdomain
 *
 * As of 2010/06/11, this method is identical to the (package private) hash
 * method in OpenJDK 7's java.util.HashMap class.
 */

Found in path(s):
*/
* Copyright (C) 2009 The Guava Authors
* Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except
* in compliance with the License. You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software distributed under the
* License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND,
* either express or implied. See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
jar/jersey/repackaged/com/google/common/collect/ForwardingMapEntry.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/collect/ReverseNaturalOrdering.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/base/FinalizableReferenceQueue.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/collect/EnumHashBiMap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/collect/RegularImmutableSet.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/collect/ClassToInstanceMap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/collect/ForwardingListIterator.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/primitives/Primitives.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/base/Function.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/io/OutputSupplier.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/io/CountingInputStream.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/base/Defaults.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/eventbus/AnnotatedSubscriberFinder.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/collect/NaturalOrdering.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/collect/AbstractSortedSetMultimap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/collect/Multimap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/base/FinalizableReference.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/io/LineReader.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/base/Objects.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/base/Supplier.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
jar/jersey/repackaged/com/google/common/collect/ExplicitOrdering.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2009 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/annotations/GwtCompatible.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/SingletonImmutableList.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/net/InternetDomainName.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/io/ByteArrayDataOutput.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/RegularImmutableList.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/cache/CacheBuilder.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/Service.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/base/Platform.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/DiscreteDomain.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/AbstractIndexOfedListIterator.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/ForwardingTable.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/io/ByteArrayDataInput.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/Callables.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/JdkFutureAdapters.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/RegularImmutableSortedSet.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/escape/ArrayBasedEscaperMap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/annotations/GwtIncompatible.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/ImmutableAsList.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/io/LineProcessor.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/ForwardingListenableFuture.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/xml/XmlEscapers.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collection/SingletonImmutableTable.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/primitives/UnsignedBytes.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/io/ByteProcessor.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collection/ImmutableSetMultimap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/net/UrlEscapers.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/escape/Escapers.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/reflect/TypeResolver.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/html/HtmlEscapers.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collection/ImmutableEnumSet.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collection/ImmutableSortedMap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collection/ComputationException.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/base/Splitter.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/cache/LocalCache.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collection/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/escape/Platform.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/AbstractIdleService.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/AbstractService.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/SettableFuture.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/net/HostSpecifier.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/primitives/SignedBytes.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collection/ImmutableTable.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright (C) 2013 The Guava Authors
* Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/base/VerifyException.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/base/Verify.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/base/Utf8.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/AbstractTable.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/FilteredMultimapValues.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/HashingInputStream.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright (C) 2008 The Guava Authors
* Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
*/
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
  */opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/collect/RegularImmutableMap.java

No license file was found, but licenses were detected in source scan.


/*

* Copyright (C) 2010 The Guava Authors
* 
* Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except
* in compliance with the License. You may obtain a copy of the License at
* 
*   http://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software distributed under the License
* is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express or implied. See the License for the specific language governing permissions and limitations under
* the License.
*/

Found in path(s):
  */opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/collect/ContiguousSet.java
  */opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/collect/SortedLists.java
  */opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/collect/ComputingConcurrentHashMap.java

No license file was found, but licenses were detected in source scan.


/*

* Copyright (C) 2008 The Guava Authors
* 
* Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*   http://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and limitations under the License.
*/
Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/base/internal/Finalizer.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2010 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/base/Strings.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/UncaughtExceptionHandlers.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/ListeningExecutorService.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/ForwardingListMultimap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/base/Equivalence.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/primitives/package-info.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/base/Ascii.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/ForwardingBlockingQueue.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/ForwardingSetMultimap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
/*
 * Copyright (C) 2012 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except
 * in compliance with the License. You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software distributed under the License
 * is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
 * express
 * or implied. See the License for the specific language governing permissions and limitations under
 * the License.
 */

No license file was found, but licenses were detected in source scan.

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/CartesianList.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/ChecksumHashFunction.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/SipHashFunction.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/ImmutableRangeMap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/FilteredKeyMultimap.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/RowSortedTable.java
jar/jersey/repackaged/com/google/common/collect/ImmutableRangeSet.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/io/GwtWorkarounds.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/io/BaseEncoding.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2011 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except
 * in compliance with the License. You may obtain a copy of the License at
 * *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software distributed under the License
 * is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
 * express
 * or implied. See the License for the specific language governing permissions and limitations
 * under the License.
 */

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/cache/Weigher.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/math/MathPreconditions.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2011 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not
 * use this file except in compliance with the License. You may obtain a copy
 * of the License at
 * *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS, WITHOUT
 * WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
 * License for the specific language governing permissions and limitations
 * under the License.
 */

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/base/FunctionalEquivalence.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2005 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/reflect/Reflection.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2011 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except
 * in compliance with the License. You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software distributed under the License
 * is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express
 * or implied. See the License for the specific language governing permissions and limitations under
 * the License.
 */

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/hash/Funnel.java
  /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/collect/Queues.java
  /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/collect/EmptyImmutableSortedMultiset.java
  /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/hash/HashingOutputStream.java
  /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/hash/HashingOutputStream.java
jar/jersey/repackaged/com/google/common/hash/Hashing.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/HashCode.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/BloomFilter.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/Funnels.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/HashCode.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/BloomFilterStrategies.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/AbstractSortedMultiset.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/Crc32cHashFunction.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/RegularContiguousSet.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/HashFunction.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/hash/Hasher.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/BoundType.java

No license file was found, but licenses were detected in source scan.

/*
* Written by Doug Lea with assistance from members of JCP JSR-166
* Expert Group and released to the public domain, as explained at
* http://creativecommons.org/publicdomain/zero/1.0/
*/

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/AtomicDoubleArray.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2009 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except
 * in compliance with the License. You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software distributed under the License
 * is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express
 * or implied. See the License for the specific language governing permissions and limitations under
 * the License.
 */

/*
 * Copyright (C) 2006 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 */
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/io/AppendableWriter.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/escape/CharEscaper.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/annotations/VisibleForTesting.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/reflect/TypeToken.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2012 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
* http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
* following header:
*
* MurmurHash3 was written by Austin Appleby, and is placed in the public domain. The author
* hereby disclaims copyright to this source code.
*/

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/base/SmallCharMatcher.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2007 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

/*
 * This following method is a modified version of one found in
 * http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
 * which contained the following notice:
 *
 * Written by Doug Lea with assistance from members of JCP JSR-166
 * Expert Group and released to the public domain, as explained at
 * http://creativecommons.org/publicdomain/zero/1.0/
 * Other contributors include Andrew Wright, Jeffrey Hayes,
 * Pat Fisher, Mike Judd.
 */

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/util/concurrent/MoreExecutors.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2011 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not
* use this file except in compliance with the License. You may obtain a copy of
* the License at
*
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS, WITHOUT
* WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
* License for the specific language governing permissions and limitations under
* the License.
*/

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/collection/SortedMultiset.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2011 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except
 * in compliance with the License. You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software distributed under the License
 * is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
 * express
 * or implied. See the License for the specific language governing permissions and limitations under
 * the License.
 */

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/collection/EmptyContiguousSet.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2008 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
*/
* Copyright (C) 2012 The Guava Authors
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collection/ForwardingNavigableSet.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collection/ForwardingImmutableSet.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collection/ForwardingImmutableList.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collection/FilteredSetMultimap.java

No license file was found, but licenses were detected in source scan.
Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/collect/Hashing.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2014 The Guava Authors
 * *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

/* This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
 * following header:
 *
 * MurmurHash3 was written by Austin Appleby, and is placed in the public domain. The author
 * hereby disclaims copyright to this source code.
 */
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/base/MoreObjects.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright (C) 2011 The Guava Authors
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/reflect/TypeParameter.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/cache/RemovalListeners.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/math/LongMath.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/base/Absent.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-jar/jersey/repackaged/com/google/common/cache/AbstractCache.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2007 The Guava Authors
 *
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS, WITHOUT
* WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
* License for the specific language governing permissions and limitations under
* the License.
*/

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/eventbus/SubscriberExceptionContext.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright (C) 2011 The Guava Authors
*
* Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except
* in compliance with the License. You may obtain a copy of the License at
*
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software distributed under the
* License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND,
either
* express or implied. See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/collect/Count.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/primitives/UnsignedInteger.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/collect/GeneralRange.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/primitives/ImmutableSortedMultiset.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/primitives/UnsignedInts.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/primitives/ParseRequest.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/primitives/UnsignedLongs.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
  jar/jersey/repackaged/com/google/common/collect/SortedIterables.java
* /opt/cola/permits/1136699690_1613864950.92/0/jersey-guava-2-22-2-sources-3-
1.812 libpcap 1.9.0

1.812.1 Available under license:
License: BSD

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The names of the authors may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED ``AS IS'' AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

1.813 jersey-media-multipart 2.27

1.814 biosdevname 0.7.3 2.el8
1.814.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.815 lzo 2.08 14.el8
1.815.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.816 libffi 3.1-21.el8
1.816.1 Available under license:
libffi - Copyright (c) 1996-2014 Anthony Green, Red Hat, Inc and others. See source files for details.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.817 asm 5.0.1.v201405080102
1.817.1 Available under license:
<OWNER> = Regents of the University of California
<ORGANIZATION> = University of California, Berkeley
.YEAR> = 1998
In the original BSD license, both occurrences of the phrase "COPYRIGHT HOLDERS AND CONTRIBUTORS" in the disclaimer read "REGENTS AND CONTRIBUTORS".

Here is the license template:

Copyright (c) <YEAR>, <OWNER>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
Neither the name of the <ORGANIZATION> nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.818 python-pip 9.0.3-18.el8
1.818.1 Available under license:

Copyright (c) 2007 Ian Bicking and Contributors
Copyright (c) 2009 Ian Bicking, The Open Planning Project
Copyright (c) 2011-2013 The virtualenv developers

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Contributors

* Alex Grnholm
* Alice Bevan-McGregor
* Arfrever Frehtes Taifersar Arahesis
* Christophe Combelles
* Daniel Stutzbach
* Daniel Holth
* Hanno Schlichting
* Jannis Leidel
* Jason R. Coombs
* Jim Fulton
* Jonathan Lange
* Justin Azoff
* Lennart Regebro
* Marc Abramowitz
* Martin von Lwis
* Noufal Ibrahim
* Pete Hollobon
* Philip Jenvey
* Reinout van Rees
* Robert Myers
* Stefan H. Holek
* Tarek Ziad
* Toshio Kuratomi

If you think you name is missing, please add it (alpha order by first name)

Contributors
* Alex Grnholm
* Alice Bevan-McGregor
* Arfrever Frehtes Taifersar Arahesis
* Christophe Combelles
* Daniel Stutzbach
* Daniel Holth
* Dirley Rodrigues
* Donald Stuft
* Grigory Petrov
* Hanno Schlichting
* Jannis Leidel
* Jason R. Coombs
* Jim Fulton
* Jonathan Lange
* Justin Azoff
* Lennart Regebro
* Marc Abramowitz
* Martin von Lwis
* Noufal Ibrahim
* Pete Hollobon
* Phillip J. Eby
* Philip Jenvey
* Philip Thiem
* Reinout van Rees
* Robert Myers
* Stefan H. Holek
* Tarek Ziad
* Toshio Kuratomi

If you think you name is missing, please add it (alpha order by first name)
Copyright (c) 2011 Agendaless Consulting and Contributors.
(http://www.agendaless.com), All Rights Reserved
License

A copyright notice accompanies this license document that identifies
the copyright holders.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

1. Redistributions in source code must retain the accompanying
copyright notice, this list of conditions, and the following
disclaimer.

2. Redistributions in binary form must reproduce the accompanying
copyright notice, this list of conditions, and the following
disclaimer in the documentation and/or other materials provided
with the distribution.

3. Names of the copyright holders must not be used to endorse or
promote products derived from this software without prior
written permission from the copyright holders.

4. If any files are modified, you must cause the modified files to
carry prominent notices stating that you changed the files and
the date of any change.

Disclaimer

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS ``AS IS'' AND
ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED
TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR
TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF
THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

Pylons Project Contributor Agreement
====================================
The submitter agrees by adding his or her name within the section below named
"Contributors" and submitting the resulting modified document to the
canonical shared repository location for this software project (whether
directly, as a user with "direct commit access", or via a "pull request"), he
or she is signing a contract electronically. The submitter becomes a
Contributor after a) he or she signs this document by adding their name
beneath the "Contributors" section below, and b) the resulting document is
accepted into the canonical version control repository.

Treatment of Account
---------------------
Contributor will not allow anyone other than the Contributor to use his or
her username or source repository login to submit code to a Pylons Project
source repository. Should Contributor become aware of any such use,
Contributor will immediately by notifying Agendaless Consulting.
Notification must be performed by sending an email to
webmaster@agendaless.com. Until such notice is received, Contributor will be
presumed to have taken all actions made through Contributor's account. If the
Contributor has direct commit access, Agendaless Consulting will have complete control and discretion over capabilities assigned to Contributor's account, and may disable Contributor's account for any reason at any time.

Legal Effect of Contribution
----------------------------

Upon submitting a change or new work to a Pylons Project source Repository (a "Contribution"), you agree to assign, and hereby do assign, a one-half interest of all right, title and interest in and to copyright and other intellectual property rights with respect to your new and original portions of the Contribution to Agendaless Consulting. You and Agendaless Consulting each agree that the other shall be free to exercise any and all exclusive rights in and to the Contribution, without accounting to one another, including without limitation, the right to license the Contribution to others under the Repoze Public License. This agreement shall run with title to the Contribution. Agendaless Consulting does not convey to you any right, title or interest in or to the Program or such portions of the Contribution that were taken from the Program. Your transmission of a submission to the Pylons Project source Repository and marks of identification concerning the Contribution itself constitute your intent to contribute and your assignment of the work in accordance with the provisions of this Agreement.

License Terms
-------------

Code committed to the Pylons Project source repository (Committed Code) must be governed by the Repoze Public License (http://repoze.org/LICENSE.txt, aka "the RPL") or another license acceptable to Agendaless Consulting. Until Agendaless Consulting declares in writing an acceptable license other than the RPL, only the RPL shall be used. A list of exceptions is detailed within the "Licensing Exceptions" section of this document, if one exists.

Representations, Warranty, and Indemnification
-------------------------------------------------

Contributor represents and warrants that the Committed Code does not violate the rights of any person or entity, and that the Contributor has legal authority to enter into this Agreement and legal authority over Contributed Code. Further, Contributor indemnifies Agendaless Consulting against violations.

Cryptography
------------

Contributor understands that cryptographic code may be subject to government regulations with which Agendaless Consulting and/or entities using Committed Code must comply. Any code which contains any of the items listed below must
not be checked-in until Agendaless Consulting staff has been notified and has approved such contribution in writing.

- Cryptographic capabilities or features

- Calls to cryptographic features

- User interface elements which provide context relating to cryptography

- Code which may, under casual inspection, appear to be cryptographic.

Notices
-------

Contributor confirms that any notices required will be included in any Committed Code.

Licensing Exceptions
====================

None.

List of Contributors
====================

The below-signed are contributors to a code repository that is part of the project named "Translationstring". Each below-signed contributor has read, understands and agrees to the terms above in the section within this document entitled "Pylons Project Contributor Agreement" as of the date beside his or her name.

Contributors
------------

- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

Copyright (c) 2008-2016 The pip developers (see AUTHORS.txt file)

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

<table>
<thead>
<tr>
<th>Release</th>
<th>Derived from</th>
<th>Year</th>
<th>Owner</th>
<th>GPL-compatible? (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.9.0 thru 1.2</td>
<td>1.2</td>
<td>1991-1995</td>
<td>CWI</td>
<td>yes</td>
</tr>
<tr>
<td>1.3 thru 1.5.2</td>
<td>1.2</td>
<td>1995-1999</td>
<td>CNRI</td>
<td>yes</td>
</tr>
<tr>
<td>1.6</td>
<td>1.5.2</td>
<td>2000</td>
<td>CNRI</td>
<td>no</td>
</tr>
<tr>
<td>2.0</td>
<td>1.6</td>
<td>2000</td>
<td>BeOpen.com</td>
<td>no</td>
</tr>
<tr>
<td>1.6.1</td>
<td>1.6</td>
<td>2001</td>
<td>CNRI</td>
<td>yes (2)</td>
</tr>
<tr>
<td>2.1</td>
<td>2.0+1.6.1</td>
<td>2001</td>
<td>PSF</td>
<td>no</td>
</tr>
<tr>
<td>2.0.1</td>
<td>2.0+1.6.1</td>
<td>2001</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.1.1</td>
<td>2.1+2.0.1</td>
<td>2001</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.2</td>
<td>2.1.1</td>
<td>2001</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.1.2</td>
<td>2.1.1</td>
<td>2002</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>Version</td>
<td>Date</td>
<td>License</td>
<td>PSF</td>
<td>Condition</td>
</tr>
<tr>
<td>---------</td>
<td>----------</td>
<td>---------</td>
<td>-----------</td>
<td>-----------</td>
</tr>
<tr>
<td>2.1.3</td>
<td>2002</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.2.1</td>
<td>2002</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.2.2</td>
<td>2002</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.2.3</td>
<td>2003</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.3</td>
<td>2002-2003</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.3.1</td>
<td>2002-2003</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.3.2</td>
<td>2002-2003</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.3.3</td>
<td>2002-2003</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.3.4</td>
<td>2004</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.4</td>
<td>2004</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.4.1</td>
<td>2005</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.4.2</td>
<td>2006</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.4.3</td>
<td>2006</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.5</td>
<td>2006</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.5.1</td>
<td>2007</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.5.2</td>
<td>2008</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.5.3</td>
<td>2008</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.6</td>
<td>2008</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.6.1</td>
<td>2009</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.6.2</td>
<td>2009</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.6.3</td>
<td>2009</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.6.4</td>
<td>2009</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.6.5</td>
<td>2010</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>2.7</td>
<td>2010</td>
<td>PSF</td>
<td>yes</td>
<td></td>
</tr>
</tbody>
</table>

Footnotes:

1. GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

2. According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

B. TERMS AND CONDITIONS FOR ACCESSING OR OTHERWISE USING PYTHON

==============================================================================

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

==============================================================================
1. This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, PSF hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python alone or in any derivative version, provided, however, that PSF's License Agreement and PSF's notice of copyright, i.e., "Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010 Python Software Foundation; All Rights Reserved" are retained in Python alone or in any derivative version prepared by Licensee.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.
BEOPEN.COM LICENSE AGREEMENT FOR PYTHON 2.0

BEOPEN PYTHON OPEN SOURCE LICENSE AGREEMENT VERSION 1

1. This LICENSE AGREEMENT is between BeOpen.com ("BeOpen"), having an office at 160 Saratoga Avenue, Santa Clara, CA 95051, and the Individual or Organization ("Licensee") accessing and otherwise using this software in source or binary form and its associated documentation ("the Software").

2. Subject to the terms and conditions of this BeOpen Python License Agreement, BeOpen hereby grants Licensee a non-exclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that the BeOpen Python License is retained in the Software, alone or in any derivative version prepared by Licensee.

3. BeOpen is making the Software available to Licensee on an "AS IS" basis. BEOPEN MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, BEOPEN MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

4. BEOPEN SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

5. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

6. This License Agreement shall be governed by and interpreted in all respects by the law of the State of California, excluding conflict of law provisions. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between BeOpen and Licensee. This License Agreement does not grant permission to use BeOpen trademarks or trade names in a trademark sense to endorse or promote products or services of Licensee, or any third party. As an exception, the "BeOpen Python" logos available at http://www.pythonlabs.com/logos.html may be used according to the permissions granted on that web page.

7. By copying, installing or otherwise using the software, Licensee agrees to be bound by the terms and conditions of this License Agreement.
1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 (“CNRI”), and the Individual or Organization (“Licensee”) accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright (c) 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: http://hdl.handle.net/1895.22/1013".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.
7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

CWI LICENSE AGREEMENT FOR PYTHON 0.9.0 THROUGH 1.2
--------------------------------------------------

Copyright (c) 1991 - 1995, Stichting Mathematisch Centrum Amsterdam, The Netherlands. All rights reserved.

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Stichting Mathematisch Centrum or CWI not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

STICHTING MATHEMATISCH CENTRUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL STICHTING MATHEMATISCH CENTRUM BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
Copyright (c) 2008-2013 The pip developers (see AUTHORS.txt file)

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE
LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

License for Bundle of CA Root Certificates (pip/cacert.pem)
=====================================================================

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA
02110-1301
argparse is (c) 2006-2009 Steven J. Bethard <steven.bethard@gmail.com>.

The argparse module was contributed to Python as of Python 2.7 and thus
was licensed under the Python license. Same license applies to all files in
the argparse package project.

For details about the Python License, please see doc/Python-License.txt.

History
Before (and including) argparse 1.1, the argparse package was licensed under Apache License v2.0.

After argparse 1.1, all project files from the argparse project were deleted due to license compatibility issues between Apache License 2.0 and GNU GPL v2.

The project repository then had a clean start with some files taken from Python 2.7.1, so definitely all files are under Python License now.

---

1.819 lshw B.02.18 21.el8

1.819.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.820 tomcat-api 8.5.3
1.820.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, public display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Apache Tomcat
Copyright 1999-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

1.821 perl-http-message 6.18-1.el8
1.821.1 Available under license :

# HTTP-MESSAGE CONTRIBUTORS #

This is the (likely incomplete) list of people who have helped make this distribution what it is, either via code contributions,
patches, bug reports, help with troubleshooting, etc. A huge 'thank you' to all of them.

* Adam Kennedy
* Adam Sjogren
* Alexey Tourbin
* Alex Kapranoff
* amire80
* Andreas J. Koenig
* Bill Mann
* Brendan Byrd
* Bron Gondwana
* Chase Whitener
* Christopher J. Madsen
* chromatic
* Daniel Hedlund
* David E. Wheeler
* DAVIDRW
* David Steinbrunner
* Father Chrysostomos
* Felipe Gasper
* FWILES
* Gavin Peters
* Gisle Aas
* Graeme Thompson
* Graham Knop
* Hans-H. Froehlich
* Ian Kilgore
* Jacob J
* jefflee
* Jerome Eteve
* john9art
* jonasbn
* Karen Etheridge
* Mark Overmeer
* Mark Stosberg
* Martin H. Sluka
* Mickey Nasriachi
* Mike Schilli
* murphy
* Olaf Alders
* Olivier Mengu
* Ondrej Hanak
* openstrike
* Peter Rabbitson
* phrstbrn
* Robert Rothenberg
* Robert Rothenberg
* Robert Stone
* Rolf Grossmann
* ruff
* sasao
* Saturday Walkers Club
* Sean M. Burke
* Slaven Rezic
* Spiros Denaxas
* Steve Hay
* Tatsuhiko Miyagawa
* Tatsuhiko Miyagawa
* Theo van Hoesel
* Tobias Leich
* Todd Lipcon
* tokuhirom
* Tom Hukins
* Tony Finch
* Toru Yamaguchi
* uid39246
* Ville Skytt
* Yuri Karaban
* Zefram

This software is copyright (c) 1994-2017 by Gisle Aas.

This is free software; you can redistribute it and/or modify it under the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 1994-2017 by Gisle Aas.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which
contains a notice placed by the copyright holder saying it may be
distributed under the terms of this General Public License. The
"Program", below, refers to any such program or work, and a "work based
on the Program" means either the Program or any work containing the
Program or a portion of it, either verbatim or with modifications. Each
licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source
code as you receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice and
disclaimer of warranty; keep intact all the notices that refer to this
General Public License and to the absence of any warranty; and give any
other recipients of the Program a copy of this General Public License
along with the Program. You may charge a fee for the physical act of
transferring a copy.

2. You may modify your copy or copies of the Program or any portion of
it, and copy and distribute such modifications under the terms of Paragraph
1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that
      you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that
      in whole or in part contains the Program or any part thereof, either
      with or without modifications, to be licensed at no charge to all
      third parties under the terms of this General Public License (except
      that you may choose to grant warranty protection to some or all
      third parties, at your option).

   c) If the modified program normally reads commands interactively when
      run, you must cause it, when started running for such interactive use
      in the simplest and most usual way, to print or display an announce-
it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 1994-2017 by Gisle Aas.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

I. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.
2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.
6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.822 coreutils 8.30

1.822.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.
To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.
"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of
copyright on the Program, and are irrevocable provided the stated
conditions are met. This License explicitly affirms your unlimited
permission to run the unmodified Program. The output from running a
covered work is covered by this License only if the output, given its
content, constitutes a covered work. This License acknowledges your
rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains
in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you
with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do
not control copyright. Those thus making or running the covered works
for you must do so exclusively on your behalf, under your direction.
and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed; section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological
measure under any applicable law fulfilling obligations under article
11 of the WIPO copyright treaty adopted on 20 December 1996, or
similar laws prohibiting or restricting circumvention of such
measures.

When you convey a covered work, you waive any legal power to forbid
circumvention of technological measures to the extent such circumvention
is effected by exercising rights under this License with respect to
the covered work, and you disclaim any intention to limit operation or
modification of the work as a means of enforcing, against the work's
users, your or third parties' legal rights to forbid circumvention of
technological measures.


You may convey verbatim copies of the Program's source code as you
receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice;
keep intact all notices stating that this License and any
non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all
recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey,
and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the
terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified
it, and giving a relevant date.

b) The work must carry prominent notices stating that it is
released under this License and any conditions added under section
7. This requirement modifies the requirement in section 4 to
"keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because
If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:
a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under
However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the
Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have
actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed
under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.
If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.823 commons-net 3.3
1.823.1 Available under license :
Apache Commons Net
Copyright 2001-2013 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

    Apache License
    Version 2.0, January 2004
    http://www.apache.org/licenses/

    TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.824 linux-firmware 20201217-
999.7.git7455a360.el7
1.824.1 Available under license:

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying
it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
   
   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
   
   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
   
   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
   
   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

   Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL,
SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

1.825 jsr311-api 1.1.1

1.825.1 Available under license:
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications
or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the
Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright
owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written
communication sent to the Licensor or its representatives, including but not limited to communication on electronic
mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously
marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been
received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to
You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce,
prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such
Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to
You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section)
patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such
license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was
submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit)
alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent
infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date
such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any
medium, with or without modifications, and in Source or Object form, provided that You meet the following
conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and

You must cause any modified files to carry prominent notices stating that You changed the files; and

You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark,
and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of
the Derivative Works; and

If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute
must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices
that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text
file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the
Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices
normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the
License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an
addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed
as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license
terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.826 javax-websocket-server-impl
9.4.11.v20180605

1.827 less 530 1.el8
1.827.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.
The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.
Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source
form of a work.

A "Standard Interface" means an interface that either is an official
standard defined by a recognized standards body, or, in the case of
interfaces specified for a particular programming language, one that
is widely used among developers working in that language.

The “System Libraries” of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.
All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.
You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:
a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does
not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a
covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.
In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.
15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

Less License

Less
Copyright (C) 1984-2016  Mark Nudelman

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.828 geronimo-activation-spec 1.0.1

1.828.1 Available under license:
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
Apache Geronimo
Copyright 2003-2006 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

1.829 perl-data-dumper 2.167-399.el8
1.829.1 Available under license:
No license file was found, but licenses were detected in source scan.

From 9f38b6c605086a67f0d92591f8e8de99bc1d9164 Mon Sep 17 00:00:00 2001
From: =?UTF-8?q?Petr=20P=C3=ADsa=C5=99?= <ppisar@redhat.com>
Date: Thu, 11 May 2017 09:25:35 +0200
Subject: [PATCH] Upgrade to 2.167
MIME-Version: 1.0
Content-Type: text/plain; charset=UTF-8
Content-Transfer-Encoding: 8bit

Unbundled from perl-5.25.12.

Signed-off-by: Petr Písa <ppisar@redhat.com>
---
Changes |  14 +++++
Dumper.pm |  47 ++++++++------
Dumper.xs | 167 +++++++++++++++++++++++++++++++++++++++++++++---------------
t/bugs.t |  37 ++++++++++++-
t/deparse.t | 22 +++---
5 files changed, 207 insertions(+), 80 deletions(-)

diff --git a/Changes b/Changes
index f9ea53f..a5430d5 100644
--- a/Changes
+++ b/Changes
@@ -6,6 +6,20 @@ Changes - public release history for Data::Dumper

+=item 2.166 (Nov 29 2016)
+
+Reduce memory usage by not importing from Carp
+Reduce memory usage by removing unused overload require.
+
+=item 2.165 (Nov 20 2016)
+
+Remove impediment to compiling under C++11.
+
+=item 2.164 (Nov 12 2016)
+
+The XS implementation now handles the C<Deparse> option, so using it no
+longer forces use of the pure-Perl version.
+
=item 2.161 (Jul 11 2016)

Perl 5.12 fix/workaround until fixed PPPort release.

diff --git a/Dumper.pm b/Dumper.pm
index c71ad35..00f6326 100644
--- a/Dumper.pm
+++ b/Dumper.pm
@@ -10,16 +10,15 @@ package Data::Dumper;

BEGIN {
-  $VERSION = '2.161'; # Don't forget to set version and release


+ $VERSION = '2.167'; # Don't forget to set version and release
}       # date in POD below!

#$| = 1;

use 5.006_001;
require Exporter;
-require overload;

-use Carp;
+use Carp ();

BEGIN {
   @ISA = qw(Exporter);
   @@ -70,7 +69,7 @@ $Maxrecurse = 1000      unless defined $Maxrecurse;
   sub new {
      my($c, $v, $n) = @_;

      - croak "Usage:  PACKAGE->new(ARRAYREF, [ARRAYREF])"
      + Carp::croak("Usage:  PACKAGE->new(ARRAYREF, [ARRAYREF])")
      unless (defined($v) && (ref($v) eq 'ARRAY'));
      $n = [] unless (defined($n) && (ref($n) eq 'ARRAY'));

      @@ -170,11 +169,11 @@ sub Seen {
           $s->{seen}{$id} = [$k, $v];
      }
      else {
           carp "Only refs supported, ignoring non-ref item \$\$k";
      +       Carp::carp("Only refs supported, ignoring non-ref item \$\$k");
      }
      }
      else {
           carp "Value of ref must be defined; ignoring undefined item \$\$k";
      +       Carp::carp("Value of ref must be defined; ignoring undefined item \$\$k");
      }
      }
      return $s;
     @@ -195,7 +194,7 @@ sub Values {
         return $s;
      }
      else {
         - croak "Argument to Values, if provided, must be array ref";
         + Carp::croak("Argument to Values, if provided, must be array ref");
      }
      }
      else {
         @@ -214,7 +213,7 @@ sub Names {
         return $s;
      }
else {
-      croak "Argument to Names, if provided, must be array ref";
+      Carp::croak("Argument to Names, if provided, must be array ref");
    }
  }
}
else {
@@ -227,7 +226,6 @@ sub DESTROY {}

@@ -439,7 +437,7 @@ sub _dump {
            carp "Sortkeys subroutine did not return ARRAYREF";
+          Carp::carp("Sortkeys subroutine did not return ARRAYREF");
            $keys = [];}
    }
  }
@@ -487,16 +485,16 @@ sub _dump {
              $sub =~ s/\n/$pad/gse;
          $out   .=  $sub;
    } else {
-        carp "Encountered CODE ref, using dummy placeholder" if $s->{purity};
+        Carp::carp("Encountered CODE ref, using dummy placeholder") if $s->{purity};
    }
  }
@@ -1212,9 +1210,10 @@ $Data::Dumper::Deparse  I<or>  $I<OBJ>-Deparse(I<[NEWVAL]>)

Can be set to a boolean value to control whether code references are
turned into perl source code. If set to a true value, C<B::Deparse>

Open Source Used In CSPC_Collector 2.9.1 8664
will be used to get the source of the code reference. Using this option
will force using the Perl implementation of the dumper, since the fast
XSUB implementation doesn't support it.
+ will be used to get the source of the code reference. In older versions,
+ using this option imposed a significant performance penalty when dumping
+ parts of a data structure other than code references, but that is no
+ longer the case.

Caution: use this option only if you know that your coderefs will be
properly reconstructed by C<B::Deparse>.
@@ -1435,15 +1434,9 @@ the C<Deparse> flag), an anonymous subroutine that
contains the string "DUMMY" will be inserted in its place, and a warning
will be printed if C<Purity> is set. You can C<eval> the result, but bear
in mind that the anonymous sub that gets created is just a placeholder.
-Someday, perl will have a switch to cache-on-demand the string
-representation of a compiled piece of code, I hope. If you have prior
-knowledge of all the code refs that your data structures are likely
-to have, you can use the C<Seen> method to pre-seed the internal reference
-table and make the dumped output point to them, instead. See L</EXAMPLES>
-above.
-
-The C<Deparse> flag makes Dump() run slower, since the XSUB
-implementation does not support it.
+Even using the C<Deparse> flag will in some cases produce results that
+ behave differently after being passed to C<eval>; see the documentation
+ for L<B::Deparse>.

SCALAR objects have the weirdest looking C<bless> workaround.
@@ -1466,13 +1459,13 @@ be to use the C<Sortkeys> filter of Data::Dumper.

Gurusamy Sarathy        gsar@activestate.com

-Copyright (c) 1996-2016 Gurusamy Sarathy. All rights reserved.
+Copyright (c) 1996-2017 Gurusamy Sarathy. All rights reserved.
This program is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

=head1 VERSION

-Version 2.161  (July 11 2016)
+Version 2.167  (January 4 2017)

=head1 SEE ALSO

diff --git a/Dumper.xs b/Dumper.xs
index b22088f..0e7142e 100644
--- a/Dumper.xs
typedef struct {
    I32 useqq;
    int use_sparse_seen_hash;
    int trailingcomma;
    int deparse;
} Style;

static STRLEN num_q (const char *s, STRLEN slen);

int esc_q_utf8(pTHX_ SV* sv, const char *src, STRLEN slen, I32 do_utf8, I32 useqq)
{
    UV k;
    if (do_utf8
        -        && ! isASCII(*s)
        +        && ! isASCII(*s)
    /* Exclude non-ASCII low ordinal controls. This should be
     * optimized out by the compiler on ASCII platforms; if not
     * could wrap it in a #ifdef EBCDIC, but better to avoid
     */
        -    sprintf(r, "\x{"UVxf "}, k);
        +    sprintf(r, "\x{"UVxf "}, k);
    r += strlen(r);
    /* my_sprintf is not supported by ppport.h */
    #else
        -    r = r + my_sprintf(r, "\x{"UVxf "}, k);
        +    r = r + my_sprintf(r, "\x{"UVxf "}, k);
    #endif
    continue;
}

int sv_x(pTHX_ SV *sv, const char *str, STRLEN len, I32 n)
{
    return sv;
}

+
static SV *
+deparsed_output(pTHX_ SV *val)
+
    SV *text;
    int n;
    dSP;
    +
    /* This is passed to load_module(), which decrements its ref count and
    * modifies it (so we also can't reuse it below) */
    +    SV *pkg = newSVpvs("B::Deparse");
    +
    + load_module(PERL_LOADMOD_NOIMPORT, pkg, 0);
+ SAVETMPS;
+ PUSHMARK(SP);
+ mXPUSHs(newSVpvs("B::Deparse"));
+ PUTBACK;
+ n = call_method("new", G_SCALAR);
+ SPAGAIN;
+ if (n != 1) {
+ croak("B::Deparse->new returned %d items, but expected exactly 1", n);
+ }
+ PUSHMARK(SP - n);
+ XPUSHs(val);
+ PUTBACK;
+ n = call_method("coderef2text", G_SCALAR);
+ SPAGAIN;
+ if (n != 1) {
+ croak("$b_deparse->coderef2text returned %d items, but expected exactly 1", n);
+ }
+ text = POPs;
+ SvREFCNT_inc(text); /* the caller will mortalise this */
+ FREETMPS;
+ PUTBACK;
+ return text;
+
+ /*
+ * This ought to be split into smaller functions. (it is one long function since
+ * it exactly parallels the perl version, which was one long thing for
+ */
+ i = perl_call_method(SvPVX_const(style->freezer), G_EVAL|G_VOID|G_DISCARD);
+ SPAGAIN;
+ if (SvTRUE(ERRSV))
+ -warn("WARNING(Freezer method call failed): %"SVf", ERRSV);
+ +warn("WARNING(Freezer method call failed): %" SVf, ERRSV);
+ PUTBACK; FREETMPS; LEAVE;
+}
ival = SvRV(val);
realtype = SvTYPE(ival);
#ifdef DD_USE_OLD_ID_FORMAT
    idlen = my_snprintf(id, sizeof(id), "0x" UVxf, PTR2UV(ival));
#else
    idlen = sizeof(id_buffer);
#endif
#ifndef DD_USE_OLD_ID_FORMAT
    id_buffer = PTR2UV(ival);
    idlen = sizeof(id_buffer);
#endif
@@ -630,7 +678,7 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV
*seenhv,
    #ifdef DD_USE_OLD_ID_FORMAT
    warn("ref name not found for %s", id);
    #else
    warn("ref name not found for 0x" UVxf, PTR2UV(ival));
    #endif
    return 0;
}
@@ -848,10 +896,10 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV
*seenhv,
    ilen = inamelen;
    sv_setiv(ixsv, ix);
    #if PERL_VERSION < 10
-        (void) sprintf(iname+ilen, "%"IVdf, (IV)ix);
+        (void) sprintf(iname+ilen, "%" IVdf, (IV)ix);
    ilen = strlen(iname);
    #else
-        ilen = ilen + my_sprintf(iname+ilen, "%"IVdf, (IV)ix);
+        ilen = ilen + my_sprintf(iname+ilen, "%" IVdf, (IV)ix);
    #endif
    iname[ilen++] = '\t'; iname[ilen] = '\0';
    if (style->indent >= 3) {
        ...
STRLEN nlen;
bool do_utf8 = FALSE;
@@ -1029,7 +1077,7 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV
*seenhv,
    if (style->quotekeys || key_needs_quote(key,keylen)) {
        if (do_utf8 || style->useqq) {
            STRLEN ocur = SvCUR(retval);
-                        nlen = esc_q_utf8(aTHX_ retval, key, klen, do_utf8, style->useqq);
+                        klen = nlen = esc_q_utf8(aTHX_ retval, key, klen, do_utf8, style->useqq);
            nkey = SvPVX(retval) + ocur;
        }
    } else {
@@ -1095,9 +1143,41 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV
        SvREFCNT_dec(totpad);
    }
} else if (realtype == SVt_PVCV) {
-    sv_catpvs(retval, "sub \"\"DUMMY\"\")
-    if (style->purity)
-        warn("Encountered CODE ref, using dummy placeholder");
+    if (style->deparse) {
+        SV *deparsed = sv_2mortal(deparsed_output(aTHX_ val));
+        SV *fullpad = sv_2mortal(newSVsv(style->sep));
+        const char *p;
+        STRLEN plen;
+        I32 i;
+        sv_catsv(fullpad, style->pad);
+        sv_catsv(fullpad, apad);
+        for (i = 0; i < level; i++) {
+            sv_catsv(fullpad, style->xpad);
+        }
+        sv_catpvs(retval, "sub ");
+        p = SvPV(deparsed, plen);
+        while (plen > 0) {
+            const char *nl = (const char *) memchr(p, '\n', plen);
+            if (!nl) {
+                sv_catpvn(retval, p, plen);
+                break;
+            }
+            else {
+                size_t n = nl - p;
+                sv_catpvn(retval, p, n);
+                sv_catsv(retval, fullpad);
+                p += n + 1;
+                plen -= n + 1;
+            }
+        }
+    }

+    } 
+  } 
+ else { 
+    sv_catpvs(retval, "sub \{ "DUMMY\} "); 
+    if (style->purity) 
+      warn("Encountered CODE ref, using dummy placeholder"); 
+  } 
} 
else { 
  warn("cannot handle ref type \%d", (int)realtype); 
@@ -1144,7 +1224,7 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV *seenhv, 

if (namelen) { 
  #ifdef DD_USE_OLD_ID_FORMAT 
  - idlen = my_snprintf(id, sizeof(id), "0x\%"UVxf, PTR2UV(val)); 
+ idlen = my_snprintf(id, sizeof(id), "0x\%" UVxf, PTR2UV(val)); 
  #else 
    id_buffer = PTR2UV(val); 
    idlen = sizeof(id_buffer); 
@@ -1184,9 +1264,9 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV *seenhv, 

if (DD_is_integer(val)) { 
  STRLEN len; 
  if (SvIsUV(val)) 
-    len = my_snprintf(tmpbuf, sizeof(tmpbuf), \"%\%"UVuf, SvUV(val)); 
+    len = my_snprintf(tmpbuf, sizeof(tmpbuf), \"%\%" UVuf, SvUV(val)); 
else 
-    len = my_snprintf(tmpbuf, sizeof(tmpbuf), \"%\%"IVdf, SvIV(val)); 
+    len = my_snprintf(tmpbuf, sizeof(tmpbuf), \"%\%" IVdf, SvIV(val)); 
  if (SvPOK(val)) { 
    /* Need to check to see if this is a string such as " 0". 
     I'm assuming from sprintf isn't going to clash with utf8. */ 
@@ -1412,53 +1492,55 @@ Data_Dumper_Dumpxs(href, ...) 

&& (hv = (HV*)SvRV((SV*)href)) 
&& SvTYPE(hv) == SVt_PVHV) 

@if ((svp = hv_fetch(hv, "seen", 4, FALSE)) && SvROK(*svp)) 
+if ((svp = hv_fetchs(hv, "seen", FALSE)) && SvROK(*svp)) 
  seenhv = (HV*)SvRV(*svp); 
else 
  style.use_sparse_seen_hash = 1; 
-@if ((svp = hv_fetch(hv, "noseen", 6, FALSE))) 
+if ((svp = hv_fetchs(hv, "noseen", FALSE))) 
    style.use_sparse_seen_hash = (SvOK(*svp) && SvIV(*svp) != 0); 
-@if ((svp = hv_fetch(hv, "todump", 6, FALSE))) && SvROK(*svp)) 
+if ((svp = hv_fetchs(hv, "todump", FALSE)) && SvROK(*svp)) 
  todumpav = (AV*)SvRV(*svp); 

-if ((svp = hv_fetch(hv, "names", 5, FALSE)) && SvROK(*svp))
+if ((svp = hv_fetchs(hv, "names", FALSE)) && SvROK(*svp))
    namesav = (AV*)SvRV(*svp);
-if ((svp = hv_fetch(hv, "indent", 6, FALSE)))
+if ((svp = hv_fetchs(hv, "indent", FALSE)))
    style.indent = SvIV(*svp);
-if ((svp = hv_fetch(hv, "purity", 6, FALSE)))
+if ((svp = hv_fetchs(hv, "purity", FALSE)))
    style.purity = SvIV(*svp);
-if ((svp = hv_fetch(hv, "terse", 5, FALSE)))
+if ((svp = hv_fetchs(hv, "terse", FALSE)))
    terse = SvTRUE(*svp);
-if ((svp = hv_fetch(hv, "useqq", 5, FALSE)))
+if ((svp = hv_fetchs(hv, "useqq", FALSE)))
    style.useqq = SvTRUE(*svp);
-if ((svp = hv_fetch(hv, "pad", 3, FALSE)))
+if ((svp = hv_fetchs(hv, "pad", FALSE)))
    style.pad = *svp;
-if ((svp = hv_fetch(hv, "xpad", 4, FALSE)))
+if ((svp = hv_fetchs(hv, "xpad", FALSE)))
    style.xpad = *svp;
-if ((svp = hv_fetch(hv, "apad", 4, FALSE)))
+if ((svp = hv_fetchs(hv, "apad", FALSE)))
    apad = *svp;
-if ((svp = hv_fetch(hv, "sep", 3, FALSE)))
+if ((svp = hv_fetchs(hv, "sep", FALSE)))
    style.sep = *svp;
-if ((svp = hv_fetch(hv, "pair", 4, FALSE)))
+if ((svp = hv_fetchs(hv, "pair", FALSE)))
    style.pair = *svp;
-if ((svp = hv_fetch(hv, "varname", 7, FALSE)))
+if ((svp = hv_fetchs(hv, "varname", FALSE)))
    varname = *svp;
-if ((svp = hv_fetch(hv, "freezer", 7, FALSE)))
+if ((svp = hv_fetchs(hv, "freezer", FALSE)))
    style.freezer = *svp;
-if ((svp = hv_fetch(hv, "toaster", 7, FALSE)))
+if ((svp = hv_fetchs(hv, "toaster", FALSE)))
    style.toaster = *svp;
-if ((svp = hv_fetch(hv, "deepcopy", 8, FALSE)))
+if ((svp = hv_fetchs(hv, "deepcopy", FALSE)))
    style.deepcopy = SvTRUE(*svp);
-if ((svp = hv_fetch(hv, "quotekeys", 9, FALSE)))
+if ((svp = hv_fetchs(hv, "quotekeys", FALSE)))
    style.quotekeys = SvTRUE(*svp);
-                if ((svp = hv_fetch(hv, "trailingcomma", 13, FALSE)))
+                if ((svp = hv_fetchs(hv, "trailingcomma", FALSE)))
        style.trailingcomma = SvTRUE(*svp);
-if ((svp = hv_fetch(hv, "bless", 5, FALSE)))
+    if ((svp = hv_fetchs(hv, "deparse", FALSE)))
       style.deparse = SvTRUE(*svp);
+if ((svp = hv_fetchs(hv, "bless", FALSE)))
       style.bless = *svp;
-if ((svp = hv_fetch(hv, "maxdepth", 8, FALSE)))
+   if ((svp = hv_fetchs(hv, "maxdepth", FALSE)))
       style.maxdepth = SvIV(*svp);
-if ((svp = hv_fetch(hv, "maxrecurse", 10, FALSE)))
+   if ((svp = hv_fetchs(hv, "maxrecurse", FALSE)))
       style.maxrecurse = SvIV(*svp);
-if ((svp = hv_fetch(hv, "sortkeys", 8, FALSE)) {  
+   if ((svp = hv_fetchs(hv, "sortkeys", FALSE))) {
       SV *sv = *svp;
       if (! SvTRUE(sv))
         style.sortkeys = NULL;
@@ -1525,9 +1607,10 @@ Data_DumperDumpxs(href, ...)
 } else {
 STRLEN nchars;
-sv_setpvn(name, "$", 1);
+sv_setpvs(name, "$");
 sv_catsv(name, varname);
-nchars = my_snprintf(tmpbuf, sizeof(tmpbuf), "%"IVdf, (IV)(i+1));
+  nchars = my_snprintf(tmpbuf, sizeof(tmpbuf), "%" IVdf, 
 +                       (IV)(i+1));
 sv_catpvn(name, tmpbuf, nchars);
 }
@@ -1575,7 +1658,7 @@ Data_DumperDumpxs(href, ...)
 sv_catpvs(retval, ";");
 sv_catsv(retval, style.sep);
 }
-   sv_setpvn(valstr, "", 0);
+   SvPVCLEAR(valstr);
   if (gimme == G_ARRAY) {
XPUSHs(sv_2mortal(retval));
if (i < imax)/* not the last time thro ? */
diff --git a/t/bugs.t b/t/bugs.t
index a440b0a..5db82da 100644
--- a/t/bugs.t
+++ b/t/bugs.t
@@ -12,7 +12,7 @@ BEGIN {
 }

 use strict;
-use Test::More tests => 15;
+use Test::More tests => 24;

Open Source Used In CSPC_Collector 2.9.1 8672
use Data::Dumper;

{
@@ -144,4 +144,39 @@ SKIP: {
     &$tests;
 }

+{ # https://rt.perl.org/Ticket/Display.html?id=128524
+   my $want;
+   my $runtime = "runtime";
+   my $requires = "requires";
+   utf8::upgrade(my $runtime = $runtime);
+   utf8::upgrade(my $requires = $requires);
+   for my $run ($runtime, $runtime) {
+     for my $req ($requires, $requires) {
+       my $data = { $run => { $req => { foo => "bar" } } };
+       local $Data::Dumper::Useperl = 1;
+       # we want them all the same
+       defined $want or $want = Dumper($data);
+       is(Dumper( $data ), $want, "utf-8 indents");
+     }
+   }
+}

# RT#130487 - stack management bug in XS deparse
+SKIP: {
+   skip "No XS available", 1 if !defined &Data::Dumper::Dumpxs;
+   sub rt130487_args { 0 + @_ }
+   my $code = sub { };
+   local $Data::Dumper::Useperl = 0;
+   local $Data::Dumper::Deparse = 1;
+   my $got = rt130487_args( Dumper($code) );
+   is($got, 1, "stack management in XS deparse works, rt 130487");
+ }
+
# EOF

use strict;

use Data::Dumper;
-use Test::More tests => 8;
+use Test::More tests => 16;
use lib qw( ./t/lib );
use Testing qw( _dumptostr );
@@ -24,7 +24,9 @@ use Testing qw( _dumptostr );

note("\$Data::Dumper::Deparse and Deparse()");

-{
+for my $useperl (0, 1) {
    local $Data::Dumper::Useperl = $useperl;
    my ($obj, %dumps, $deparse, $starting);
    use strict;
    my $struct = { foo => "bar\nbaz", quux =&gt; sub { "fleem" } };
+ "\$Data::Dumper::Deparse = 0 reports DUMMY instead of deparsing coderef (useperl=$useperl)";
    unlike($dumps{'dddtrue'},
        qr/quux.*?sub.*?DUMMY/s,
    - "\$Data::Dumper::Deparse = 1 does not report DUMMY";
+ "\$Data::Dumper::Deparse = 1 does not report DUMMY (useperl=$useperl)";
    like($dumps{'dddtrue'},
        qr/quux.*?sub.*?use\sstrict.*?fleem/s,
    - "\$Data::Dumper::Deparse = 1 deparses coderef";
+ "\$Data::Dumper::Deparse = 1 deparses coderef (useperl=$useperl)" ;}

-- 2.9.3

Found in path(s):
No license file was found, but licenses were detected in source scan.

---
abstract: unknown
author:
- unknown
build_requires:
  ExtUtils::MakeMaker: '0'
  Test::More: '0.98'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 0
generated_by: 'ExtUtils::MakeMaker version 7.0401, CPAN::Meta::Converter version 2.15001'
license: unknown
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: Data-Dumper
no_index:
directory:
- t
- inc
requires: {}
resources:
  MailingList: http://lists.cpan.org/showlist.cgi?name=perl5-porters
  bugtracker: http://rt.perl.org/perlbug/
  repository: 'git://perl5.git.perl.org/perl.git perl-git'
  version: '2.161'

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548090_1591903283.05/0/perl-Data-Dumper-2.167-399.el8.src.rpm-cosi-

No license file was found, but licenses were detected in source scan.

/*

ppport.h -- Perl/Pollution/Portability Version 3.31

Automatically created by Devel::PPPort running under perl 5.022001.

Do NOT edit this file directly! -- Edit PPPort_pm.PL and the includes in parts/inc/ instead.

Use 'perldoc ppport.h' to view the documentation below.

SKIP

=pod

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.31

=head1 SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help show short help

--version show version

--patch=file write one patch file with changes
--copy=suffix write changed copies with suffix
--diff=program use diff program and options

--compat-version=version provide compatibility with Perl version
--cplusplus accept C++ comments

--quiet don't output anything except fatal errors
--nodiag don't show diagnostics
--nohints don't show hints
--nochanges don't suggest changes
--nofilter don't filter input files
--strip strip all script and doc functionality from ppport.h

--list-provided list provided API
--list-unsupported list unsupported API
--api-info=name show Perl API portability information

=head1 COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.20.

=head1 OPTIONS

=head2 --help

Display a brief usage summary.

=head2 --version

Display the version of F<ppport.h>.

=head2 --patch=I<file>

If this option is given, a single patch file will be created if any changes are suggested. This requires a working diff program to be installed on your system.

=head2 --copy=I<suffix>

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs. Note that this does not automagically add a dot between the original filename and the suffix. If you want the dot, you have to include it in the option argument.

If neither C|--patch> or C|--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

=head2 --diff=I<program>

Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.
Tell `F<ppport.h>` to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003. You can use this option to reduce the output of `F<ppport.h>` if you intend to be backward compatible only down to a certain Perl version.

Usually, `F<ppport.h>` will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs `F<ppport.h>` to leave C++ comments untouched.

Be quiet. Don't print anything except fatal errors.

Don't output any diagnostic messages. Only portability alerts will be printed.

Don't output any hints. Hints often contain useful portability notes. Warnings will still be displayed.

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

Strip all script and documentation functionality from `F<ppport.h>`. This reduces the size of `F<ppport.h>` dramatically and may be useful if you want to include `F<ppport.h>` in smaller modules without increasing their distribution size too much.

The stripped `F<ppport.h>` will have a `C<-unstrip>` option that allows you to undo the stripping, but only if an appropriate `C<Devel::PPPort>`
module is installed.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.

=head2 --list-unsupported

Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching I<name>. If I<name> is surrounded by slashes, it is interpreted as a regular expression.

=head1 DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

=item *

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

perl ppport.h --list-provided

to see which API elements are provided by ppport.h.

=item *

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h> will provide wrappers for older Perl versions.

=item *

If you use one of a few functions or variables that were not present in
earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C\#define\s in your source code before the inclusion of F\ppport.h\.

These functions or variables will be marked C\explicit\ in the list shown by C\--list-provided\.

Depending on whether you module has a single or multiple files that use such functions or variables, you want either C\static\ or global variants.

For a C\static\ function or variable (used only in a single source file), use:

```
#define NEED_function
#define NEED_variable
```

For a global function or variable (used in multiple source files), use:

```
#define NEED_function_GLOBAL
#define NEED_variable_GLOBAL
```

Note that you mustn't have more than one global request for the same function or variable in your project.

<table>
<thead>
<tr>
<th>Function / Variable</th>
<th>Static Request</th>
<th>Global Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL_parser</td>
<td>NEED_PL_parser</td>
<td>NEED_PL_parser_GLOBAL</td>
</tr>
<tr>
<td>PL_signals</td>
<td>NEED_PL_signals</td>
<td>NEED_PL_signals_GLOBAL</td>
</tr>
<tr>
<td>caller_cx()</td>
<td>NEED_caller_cx</td>
<td>NEED_caller_cx_GLOBAL</td>
</tr>
<tr>
<td>eval_pv()</td>
<td>NEED_eval_pv</td>
<td>NEED_eval_pv_GLOBAL</td>
</tr>
<tr>
<td>grok_bin()</td>
<td>NEED_grok_bin</td>
<td>NEED_grok_bin_GLOBAL</td>
</tr>
<tr>
<td>grok_hex()</td>
<td>NEED_grok_hex</td>
<td>NEED_grok_hex_GLOBAL</td>
</tr>
<tr>
<td>grok_number()</td>
<td>NEED_grok_number</td>
<td>NEED_grok_number_GLOBAL</td>
</tr>
<tr>
<td>grok_numeric_radix()</td>
<td>NEED_grok_numeric_radix</td>
<td>NEED_grok_numeric_radix_GLOBAL</td>
</tr>
<tr>
<td>grok_oct()</td>
<td>NEED_grok_oct</td>
<td>NEED_grok_octGLOBAL</td>
</tr>
<tr>
<td>load_module()</td>
<td>NEED_load_module</td>
<td>NEED_load_module_GLOBAL</td>
</tr>
<tr>
<td>mg_findext()</td>
<td>NEED_mg_findext</td>
<td>NEED_mg_findext_GLOBAL</td>
</tr>
<tr>
<td>my_snprintf()</td>
<td>NEED_my_snprintf</td>
<td>NEED_my_snprintf_GLOBAL</td>
</tr>
<tr>
<td>my_sprintf()</td>
<td>NEED_my_sprintf</td>
<td>NEED_my_sprintf_GLOBAL</td>
</tr>
<tr>
<td>my_strlcat()</td>
<td>NEED_my_strlcat</td>
<td>NEED_my_strlcat_GLOBAL</td>
</tr>
<tr>
<td>my_strlcpy()</td>
<td>NEED_my_strlcpy</td>
<td>NEED_my_strlcpy_GLOBAL</td>
</tr>
<tr>
<td>newCONSTSUB()</td>
<td>NEED_newCONSTSUB</td>
<td>NEED_newCONSTSUB_GLOBAL</td>
</tr>
<tr>
<td>newRV_noinc()</td>
<td>NEED_newRV_noinc</td>
<td>NEED_newRV_noinc_GLOBAL</td>
</tr>
<tr>
<td>newSV_type()</td>
<td>NEED_newSV_type</td>
<td>NEED_newSV_type_GLOBAL</td>
</tr>
<tr>
<td>newSVpn_flags()</td>
<td>NEED_newSVpn_flags</td>
<td>NEED_newSVpn_flags_GLOBAL</td>
</tr>
<tr>
<td>newSVpn_share()</td>
<td>NEED_newSVpn_share</td>
<td>NEED_newSVpn_share_GLOBAL</td>
</tr>
</tbody>
</table>
To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the C<DPPP_NAMESPACE> macro. Just C<#define> the macro before including C<ppport.h>:

```c
#define DPPP_NAMESPACE MyOwnNamespace_
#include "ppport.h"
```

The default namespace is C<DPPP_>.

=back

The good thing is that most of the above can be checked by running F<ppport.h> on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether F<ppport.h> is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, F<ppport.h> can be run as a Perl script to check your source code. Simply say:

```
perl ppport.h
```

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:
perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff

If you only want your code to be scanned without any suggestions for changes, use:

perl ppport.h --nochanges

You can specify a different C<diff> program or options, using the C<--diff> option:

perl ppport.h --diff='diff -C 10'

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:

perl ppport.h --copy=.new

To display portability information for the C<newSVpvn> function, use:

perl ppport.h --api-info=newSVpvn

Since the argument to C<--api-info> can be a regular expression, you can use

perl ppport.h --api-info=/_nomg$/

to display portability information for all C<_nomg> functions or

perl ppport.h --api-info=/ /

to display information for all known API elements.

=head1 BUGS

If this version of F<ppport.h> is causing failure during the compilation of this module, please check if newer versions of either this module or C<Devel::PPPort> are available on CPAN before sending a bug report.

If F<ppport.h> was generated using the latest version of C<Devel::PPPort> and is causing failure of this module, please file a bug report here: L<https://github.com/mhx/Devel-PPPort/issues/>

Please include the following information:

=over 4

=head1

Open Source Used In CSPC_Collector 2.9.1 8682
=item 1.
The complete output from running "perl -V"

=item 2.
This file.

=item 3.
The name and version of the module you were trying to build.

=item 4.
A full log of the build that failed.

=item 5.
Any other information that you think could be relevant.

=back

For the latest version of this code, please get the C<Devel::PPPort> module from CPAN.

=head1 COPYRIGHT

Version 3.x, Copyright (c) 2004-2013, Marcus Holland-Moritz.

Version 2.x, Copyright (C) 2001, Paul Marquess.

Version 1.x, Copyright (C) 1999, Kenneth Albanowski.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

See L<Devel::PPPort>.

=cut

use strict;

# Disable broken TRIE-optimization
BEGIN { eval '($RE_TRIE_MAXBUF) = -1' if $] >= 5.009004 && $] <= 5.009005 }
my $VERSION = 3.31;

my %opt = (quiet => 0, diag => 1, hints => 1, changes => 1, cplusplus => 0, filter => 1, strip => 0, version => 0);

my($ppport) = $0 =~ /\([\w.]+\)$/;
my $LF = '(?:\r\n|\[\r\n\])'; # line feed
my $HS = '^[ ]$'; # horizontal whitespace

# Never use C comments in this file!
my $ccs = '/\*';
my $cce = '\*/';
my $rccs = quotemeta $ccs;
my $rcce = quotemeta $cce;

eval {
  require Getopt::Long;
  Getopt::Long::GetOptions(%opt, qw(
    help quiet diag! filter! hints! changes! cplusplus strip version
    patch=s copy=s diff=s compat-version=s
    list-provided list-unsupported api-info=s
  )) or usage();
};

if ($@ and grep /^-/, @ARGV) {
  usage() if "$ARGV" =~ /^--?h(?:elp)?$/;
  die "Getopt::Long not found. Please don't use any options.\n"
;
}

if ($opt{version}) {
  print "This is $0 $VERSION.\n"
  exit 0;
}

usage() if $opt{help};
strip() if $opt{strip};

if (exists $opt{'compat-version'}) {
  my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };
  if ($@) {
    usage() if $opt{help};
  }
}
die "Invalid version number format: 'opt{compat-version}'\n";
}
die "Only Perl 5 is supported\n" if $r != 5;
die "Invalid version number: 'opt{compat-version}'\n" if $v >= 1000 || $s >= 1000;
$opt{compat-version} = sprintf "%d.%03d%03d", $r, $v, $s;
}
else {
$opt{compat-version} = 5;
}

my %API = map { /^(\w+)\|([^\|]*)\|([^\|]*)\|([^\|]*)$/
  ? ($1 => {
    ($2                  ? ( base     => $2 ) : ()),
    ($3                  ? ( todo     => $3 ) : ()),
    (index($4, 'v') >= 0 ? ( varargs => 1 ) : ()),
    (index($4, 'p') >= 0 ? ( provided => 1 ) : ()),
    (index($4, 'n') >= 0 ? ( nothxarg => 1 ) : ())
  }
  : die "invalid spec: $_" } qw(
ASCII_TO_NEED|5.007001|n
AvFILL|p|5.004050|p
AvFILL||
BkDISABLE|5.021008|
BkENABLE|5.021008|
BkENTRY_set|5.021008|
BkENTRY||
BkFLAGS||
CALL_BLOCK_HOOKS||
CLASS||
CPERLscope|5.005000|p
CX_CURPAD_SAVE||
CX_CURPAD_SV||
CopFILEAV|5.006000|p
CopFILEGV_set|5.006000|p
CopFILEGV|5.006000|p
CopFILESV|5.006000|p
CopFILE_set|5.006000|p
CopFILE|5.006000|p
CopSTASHPV_set|5.006000|p
CopSTASHPV|5.006000|p
CopSTASH_eq|5.006000|p
CopSTASH_set|5.006000|p
CopSTASH|5.006000|p
CopyD|5.009002|5.004050|p
Copy||
CvPADLIST|5.008001|
CvSTASH||
CvWEAKOUTSIDE||

IN_PERL_COMPILETIME|5.008001|p
IS_NUMBER_GREATER_THAN_UV_MAX|5.007002|p
IS_NUMBER_INFINITY|5.007002|p
IS_NUMBER_IN_UV|5.007002|p
IS_NUMBER_NAN|5.007003|p
IS_NUMBER_NEG|5.007002|p
IS_NUMBER_NOT_INT|5.007002|p
IVSIZE|5.006000|p
IVTYPE|5.006000|p
IVdf|5.006000|p
LEAVE||
LINKLIST|5.013006|
LVRET||
MARK||
MULTICALL|5.021008|
MUTABLE_PTR|5.010001|p
MUTABLE_SV|5.010001|p
MY_CXT_CLONE|5.009002|p
MY_CXT_INIT|5.007003|p
MY_CXT|5.007003|p
MoveD|5.009002|5.004050|p
Move||
NATIVE_TO_NEED|5.007001|n
NOOP|5.005000|p
NUM2PTR|5.006000|p
NVTYPE|5.006000|p
NVef|5.006001|p
NVfr|5.006001|p
NVgf|5.006001|p
Newxc|5.009003|p
Newxz|5.009003|p
Newx|5.009003|p
Nullav||
Nullch||
Nullcv||
Nullhv||
Nullsv||
OP_CLASS|5.013007|
OP_DESC|5.007003|
OP_NAME|5.007003|
OP_TYPE_IS_OR_WAS|5.019010|
OP_TYPE_IS|5.019007|
ORIGMARK||
OpHAS_SIBLING|5.021007|
OpSIBLING|5.021007|
OpSIBLING_set|5.021007|
PAD_BASE_SV||
PAD_CLONE_VARS||
PL_opfreehook|5.011000|n
PL_parser|5.009005|p
PL_ppeepp|5.007003|n
PL_perl_destruct_level|5.004050|p
PL_perldb|5.004050|p
PL_ppaddr|5.006000|p
PL_rpeepp|5.013005|n
PL_rsfp_filters|5.021008|p
PL_rsfp|5.021008|p
PL_rs|n
PL_signals|5.008001|p
PL_stack_base|5.004050|p
PL_stack_sp|5.004050|p
PL_statcache|5.005000|p
PL_stdingv|5.004050|p
PL_sv_arenaroot|5.004050|p
PL_sv_no|5.004050|p
PL_sv_undef|5.004050|p
PL_sv_yes|5.004050|p
PL_tainted|5.004050|p
PL_tainting|5.004050|p
PL_tokenbuf|5.021008|p
POP_MULTICALL|5.021008|
POPi|n
POPl|n
POPn|n
POPPbyte|5.007001|n
POPPx|5.005030|n
POPP|n
POPs|n
PTR2IV|5.006000|p
PTR2NV|5.006000|p
PTR2UV|5.006000|p
PTR2nat|5.009003|p
PTR2ul|5.007001|p
PTRV|5.006000|p
PUSHMARK|
PUSH_MULTICALL|5.021008|
PUSHi|
PUSHmortal|5.009002|p
PUSHa|
PUSHp|
PUSHs|
PUSHu|5.004000|p
PUTBACK|
PadARRAY|5.021008|
PadMAX|5.021008|
PadlistARRAY|5.021008|
PadlistMAX[5.021008]
PadlistNAMESARRAY[5.021008]
PadlistNAMESMAX[5.021008]
PadlistNAMES[5.021008]
PadlistREFCNT[5.017004]
PadnameIsOUR[]
PadnameIsSTATE[]
PadnameLEN[5.021008]
PadnameOURSSTASH[]
PadnameOUTER[]
PadnamePV[5.021008]
PadnameREFCNT_dec[5.021008]
PadnameREFCNT[5.021008]
PadnameSV[5.021008]
PadnameTYPE[]
PadnameUTF8[5.021007]
PadnamelistARRAY[5.021008]
PadnamelistMAX[5.021008]
PadnamelistREFCNT_dec[5.021008]
PadnamelistREFCNT[5.021008]
PerlIO_clearerr[5.007003]
PerlIO_close[5.007003]
PerlIO_context_layers[5.009004]
PerlIO_eof[5.007003]
PerlIO_error[5.007003]
PerlIO_fileno[5.007003]
PerlIO_fill[5.007003]
PerlIO_flush[5.007003]
PerlIO_get_base[5.007003]
PerlIO_get_bufsiz[5.007003]
PerlIO_get_cnt[5.007003]
PerlIO_get_ptr[5.007003]
PerlIO_read[5.007003]
PerlIO_restore_errno[]
PerlIO_save_errno[]
PerlIO_seek[5.007003]
PerlIO_set_cnt[5.007003]
PerlIO_set_ptrcnt[5.007003]
PerlIO_setlinebuf[5.007003]
PerlIO_stderr[5.007003]
PerlIO_stdin[5.007003]
PerlIO_stdout[5.007003]
PerlIO_tell[5.007003]
PerlIO_unread[5.007003]
PerlIO_write[5.007003]
Perl_signbit[5.009005]
PoisonFree[5.009004]
PoisonNew[5.009004]
PoisonWith|5.009004||p
Poison|5.008000||p
READ_XDIGIT||5.017006|
RETVAL||n
Renewc||
Renew||
SAVECLEARSV||
SAVECOMPPAD||
SAVEPADSV||
SAVETMPS||
SAVE_DEF SV|5.004050||p
SPAGAIN||
START_EXTERN_C|5.005000||p
START_MY_CTX|5.007003||p
STMT_END||p
STMT_START||p
STR_WITH_LEN|5.009003||p
ST||
SV_CONST RETURN|5.009003||p
SV_COW_DROP_PV|5.008001||p
SV_COW_SHARED_HASH KEYS|5.009005||p
SV_GMAGIC|5.007002||p
SV_HAS_TRAILING_NUL|5.009004||p
SV_IMMEDIATE_UNREF|5.007001||p
SV_M UTABLE_RETURN|5.009003||p
SV_NOSTEAL|5.009002||p
SV_SMAGIC|5.009003||p
SV_UTF8_NO_ENCODING|5.008001||p
SVfARG|5.009005||p
SVf_UTF8|5.006000||p
SVf|5.006000||p
SVf_INV LIST|5.019002|
SVf_IV||
SVt_NULL||
SVt_NV||
SVt_PVAV||
SVt_PVCV||
SVt_PVFM||
SVt_PVGV||
SVt_PVHV||
SVt_PVIO||
SVt_PVI O||
SVt_PVIV||
SVt_PVLV||
SVt_PV MG||
SVt_PVN V||
SVt_PV||
SVt_REGEXP|5.011000|
aMY_CXT_|5.007003||p
aMY_CXT|5.007003||p
aTHXR_|5.021008||p
aTHXR|5.021008||p
aTHX_|5.006000||p
aTHX|5.006000||p
assign_common_vars|||
add_above_Latin1_folds|||
add_cp_to_invlist|||
add_data|||
add_multi_match|||
add_utf16_textfilter|||
adjust_size_and_find_bucket|||
advance_one_SB|||
advance_one_WB|||
alloc_maybe_populate_EXACT|||
allocopstash|||
allocmy|||
amagic_call|||
amagic_cmp_locale|||
amagic_cmp|||
amagic_deref_call|5.013007|
amagic_incmp|||
amagic_is_enabled|||
amagic_ncmp|||
anonymise_cv_maybe|||
any_dup|||
ao|||
append_utf8_from_native_byte|5.019004|n
apply_attr_my|||
apply_attr_string|5.006001|
apply_attrs|||
apply|||
assert_utf8_cache_coherent|||
assignment_type|||
atfork_lock|5.007003|n
atfork_unlock|5.007003|n
av_arylen_p|5.009003|
av_clear|||
av_create_and_push|5.009005|
av_create_and_unshift_one|5.009005|
av_delete|5.006000|
av_exists|5.006000|
av_extend_guts|||
av_extend|||
av_fetch|||
av_fill|||
av_iter_p|5.011000|
av_len
av_make
av_pop
av_push
av_reify
av_shift
av_store
av_tindex
av_top_index
av_undef
av_unshift
ax
backup_one_SB
backup_one_WB
bad_type_gv
bad_type_pv
bind_match
block_end
block_gimme
block_start
blockhook_register
boolSV
boot_core_PerlIO
boot_core_UNIVERSAL
boot_core_mro
bytes_cmp_utf8
bytes_from_utf8
bytes_to_utf8
call_argv
call_atexit
call_list
call_method
call_pv
call_sv
caller_cx
calloc
cando
cast_i32
cast_iv
cast_ulong
cast_uv
check_locale_boundary_crossing
check_type_and_open
check_uni
check_utf8_print
checkcomma
ckWARN
ck_entersub_args_core
ck_entersub_args_list|5.013006|
ck_entersub_args_proto_or_list|5.013006|
ck_entersub_args_proto|5.013006|
ck_warner|5.011001|
ck_warn_common||
ckwarn_d|5.009003|
ckwarn|5.009003|
clear_placeholders||
clear_special_blocks||
clone_params_del||
closest_cop||
cntrl_to_mnemonic
compute_EXACTish||
construct_ahocorasick_from_trie||
cop_fetch_label|5.015001|
cop_free||
copHints_2hv|5.013007|
cophints_fetch_pvn|5.013007|
cophints_fetch_pvs|5.013007|
cophints_fetch_pv|5.013007|
cophints_fetch_sv|5.013007|
cop_store_label|5.015001|
cophh_2hv|5.013007|
cophh_copy|5.013007|
cophh_delete_pvn|5.013007|
cophh_delete_pvs|5.013007|
cophh_delete_pv|5.013007|
cophh_delete_sv|5.013007|
cophh_fetch_pvn|5.013007|
cophh_fetch_pvs|5.013007|
cophh_fetch_pv|5.013007|
cophh_fetch_sv|5.013007|
cophh_free|5.013007|
cophh_new_empty|5.021008|
cophh_store_pvn|5.013007|
cophh_store_pvs|5.013007|
cophh_store_pv|5.013007|
cophh_store_sv|5.013007|
core_prototype||
corestub_op||
could_it_be_a_POSIX_class||
cr_textfilter||
create_eval_scope||
croak_memory_wrap|5.019003|
croak_no_mem||
croak_no_modify|5.013003|
do_magic_dump||5.006000|
do_mgscv||
do_msgsnd||
do_ncmp||
do_oddball||
do_op_dump||5.006000|
do_open6||
do_open9||5.006000|
do_open_raw||
do_openn||5.007001|
do_open||5.003070|
do_pmonop_dump||5.006000|
do_print||
do_readline||
do_seek||
do_semop||
do_shmio||
do_smartmatch||
do_spawn_nowait||
do_spawn||
do_sprintf||
do_sv_dump||5.006000|
do_sysseek||
do_tell||
do_trans_complex_utf8||
do_trans_complex||
do_trans_count_utf8||
do_trans_count||
do_trans_simple_utf8||
do_trans_simple||
do_trans||
do_vecget||
do_vecset||
do_vop||
docatch||
doeval||
dofile||
dofindlabel||
doform||
dooneliner||
doopen_pm||
doparseform||
dopoptoeval||
dopoptogiven||
dopoptolabel||
dopoptoloop||
dopoptosub_at||
dopoptowhen

doref[5.009003]
dounwind

dowantarray

drand48_init_r

drand48_r

dump_all_perl

dump_all[5.006000]
dump_c_backtrace

dump_eval[5.006000]
dump_exec_pos

dump_form[5.006000]
dump_indent[5.006000]
dump_mstats

dump_packsubs_perl

dump_packsubs[5.006000]
dump_sub_perl

dump_sub[5.006000]
dump_sv_child

dump_trie_interim_list

dump_trie_interim_table

dump_trie

dump_vindent[5.006000]
dumpuntil

dup_attrlist

evaluate_cop_io

eval_pv[5.006000]
eval_sv[5.006000]
exec_failed

expect_number

fbm_compile[5.005000]
fbm_instr[5.005000]
feature_is_enabled

filter_add

filter_del

filter_gets

filter_read

finalize_optree

finalize_op

find_and_forget_pmops

find_array_subscript

find_beginning

find_byclass

find_default_stash

find_hash_subscript

find_in_my_stash

find_lexical_cv

find_runcv_where
get_invlist_offset_addr
get_invlist_previous_index_addr
get_mstats
get_no_modify
get_num
get_op_descs
get_op_names
get_opargs
get_ppaddr
get_re_arg
get_sv
get_vtbl
getcwd_sv
getenv_len
glob_2number
glob_assign_glob
gp_dup
gp_free
gp_ref
grok_atoUV
grok_bin
grok_bslash_N
grok_bslash_c
grok_bslash_o
grok_bslash_x
grok_hex
grok_infnan
grok_number_flags
grok_number
grok_numeric_radix
grok_oct
group_end
gv_AVadd
gv_HVadd
gv_IOadd
gv_SVadd
gv_add_by_type
gv_autoload4
gv_autoload_pvn
gv_autoload_pv
gv_autoload_sv
gv_check
gv_const_sv
gv_dump
gv_efullname3
gv_efullname4
gv_efullname
gv_fetchfile_flags
gv_fetchfile
gv_fetchmeth_autoload[5.007003]
gv_fetchmeth_internal

gv_fetchmeth_pv_autoload[5.015004]
gv_fetchmeth_pvn_autoload[5.015004]
gv_fetchmeth_pvn[5.015004]
gv_fetchmeth_pv[5.015004]
gv_fetchmeth_sv_autoload[5.015004]
gv_fetchmeth_pv[5.015004]
gv_fetchmethod_autoload[5.004000]
gv_fetchmethod_pv_flags[5.015004]
gv_fetchmethod_pvn_flags[5.015004]
gv_fetchmethod_pvn[5.015004]
gv_fetchmethod_sv_flags[5.015004]
gv_fetchmethod[5.007003]

gv_fetchpvn_flags[5.009002]
gv_fetchpvs[5.009004]
gv_fetchpvn

gv_fetchsv[5.009002]
gv_fetchsv

gv_fetchmethod

handle_regex_sets
he_dup
hek_dup
hfree_next_entry
hsplit

Open Source Used In CSPC_Collector 2.9.1 8709
hv_auxinit_internal
hv_auxinit||
hv_backreferences_p||
hv_clear_placeholders|5.009001|
hv_clear||
hv_common_key_len|5.010000|
hv_common|5.010000|
hv_copy_hints_hv|5.009004|
hv_delayfree_ent|5.004000|
hv_delete_common||
hv_delete_ent|5.003070|
hv_delete||
hv_eiter_p|5.009003|
hv_eiter_set|5.009003|
hv_ename_add||
hv_ename_delete||
hv_exists_ent|5.003070|
hv_exists||
hv_fetch_ent|5.003070|
hv_fetchs|5.009003|p
hv_fetch||
hv_fill|5.013002|
hv_free_ent_ret||
hv_free_ent|5.004000|
hv_iterinit||
hv_iterkeysv|5.003070|
hv_iterkey||
hv_iternext_flags|5.008000|
hv_iternextsv||
hv_iternext||
hv_iterval||
hv_kill_backrefs||
hv_ksplit|5.003070|
hv_magic_check||n
hv_magic||
hv_name_set|5.009003|
hv_notallowed||
hv_placeholders_get|5.009003|
hv_placeholders_p||
hv_placeholders_set|5.009003|
hv_rand_set|5.018000|
hv_riter_p|5.009003|
hv_riter_set|5.009003|
hv_scalar|5.009001|
hv_store_ent|5.003070|
hv_store_flags|5.008000|
hv_stores|5.009004|p
hv_store||
hv_undef_flags
hv_undef
ibcmp_locale|5.004000|
ibcmp_utf8|5.007003|
ibcmp
incline
incpush_if_exists
incpush_use_sep
incpush
ingroup
init_argv_symbols
init_constants
init_dbargs
init_debugger
init_global_struct
init_i18n10n|5.006000|
init_i18n14n|5.006000|
inplace_aassign
intro_my|5.004000|
intuit_method
intuit_more
invert
invlist_array
invlist_clone
invlist_extend
invlist_highest
invlist_is_iterating
invlist_iterfinish
invlist_iterinit
invlist_iternext
invlist_max
invlist_previous_index
invlist_set_len
invlist_set_previous_index
invlist_trim
invoke_exception_hook
io_close
isALNUMC|5.006000|
isALNUM_lazy|5.021001|
isALPHANUMERIC||5.017008|
isALPHA||
isASCII[5.006000]|p
isBLANK[5.006001]|p
isCNTRL[5.006000]|p
isDIGIT||
isFOO_lc||
isFOO_ut8_lc||
isGCB||n
isGRAPH[5.006000]|p
isGV_with_GP[5.009004]|p
isIDCONT[5.017008]
isIDFIRST_lazy[5.021001]
isIDFIRST||
isLOWER||
isOCTAL[5.013005]
isPRINT[5.004000]|p
isPSXSPC[5.006001]|p
isPUNCT[5.006000]|p
isSB||
isSPACE||
isUPPER||
isUTF8_CHAR[5.021001]
isWB||
isWORDCHAR[5.013006]
isXDIGIT[5.006000]|p
is_an_int||
is_ascii_string[5.011000]
is_handle_constructor||n
is_invariant_string[5.021007]|n
is_lvalue_sub[5.007001]
is_safe_syscall[5.019004]
is_ssc_worth_it||n
is_uni_alnum_lc[5.006000]
is_uni_alnumc_lc[5.017007]
is_uni_alnumc[5.017007]
is_uni_alnum[5.006000]
is_uni_alpha_lc[5.006000]
is_uni_alpha[5.006000]
is_uni_asciicle[5.006000]
is_uni_asciic[5.006000]
is_uni_blank_lc[5.017002]
is_uni_blank[5.017002]
is_uni_cntrl_lc[5.006000]
is_uni_cntrl[5.006000]
is_uni_digit_lc[5.006000]
is_uni_digit[5.006000]
is_uni_graph_lc[5.006000]
is_uni_graph[5.006000]
jmaybe|||
join_exact|||
keyword_plugin_standard|||
keyword|||
leave_common|||
leave_scope|||
lex_bufut8||5.011002|
lex_discard_to|5.011002|
lex_grow_linestr|5.011002|
lex_next_chunk|5.011002|
lex_peek_unichar|5.011002|
lex_read_space|5.011002|
lex_read_to|5.011002|
lex_read_unichar|5.011002|
lex_start|5.009005|
lex_stuff_pvn|5.011002|
lex_stuff_pvs|5.013005|
lex_stuff_pv|5.013006|
lex_stuff_sv|5.011002|
lex_unstuff|5.011002|
listkids|||
list|||
load_module_nocontext|vn
load_module|5.006000|pv
localize|||
looks_like_bool|||
looks_like_number|||
lop|||
mPUSHi|5.009002|p
mPUSHn|5.009002|p
mPUSHp|5.009002|p
mPUSHs|5.010001|p
mPUSHu|5.009002|p
mXPUSHi|5.009002|p
mXPUSHn|5.009002|p
mXPUSHp|5.009002|p
mXPUSHs|5.010001|p
mXPUSHu|5.009002|p
magic_clear_all_env|||
magic_cleararylen_p|||
magic_clearenv|||
magic_clearhinds|||
magic_clearhint|||
magic_clearisa|||
magic_clearpack|||
magic_clearsig|||
magic_copycallchecker|||
magic_dump|5.006000|
make_matcher
make_trie
malloc_good_size
malloced_size
malloc[5.007002]
markstack_grow[5.021001]
matcher_matches_sv
maybe_multimagic_gv
maybe_relocate
measure_struct
memEQs[5.009005]
memEQ[5.004000]
memNES[5.009005]
memNE[5.004000]
mem_collxfrm
mem_log_common
mess_alloc
mess_nocontext
mess_sv[5.013001]
mess[5.006000]
mfree[5.007002]
mg_clear
mg_copy
mg_dup
mg_find_mglob
mg_findext[5.013008]
mg_find
mg_free_type[5.013006]
mg_free
mg_get
mg_length[5.005000]
mg_localize
mg_magical
mg_set
mg_size[5.005000]
mini_mktime[5.007002]
minus_v
missingterm
mode_from_discipline
modkids
more_bodies
more_sv
moreswitches
move_proto_attr
mro_clean_isarev
mro_gather_and_rename
mro_get_from_name[5.010001]
mro_get_linear_isa_dfs
mro_get_linear_isa|5.009005|
mro_get_private_data|5.010001|
mro_isa_changed_in||
mro_meta_dup||
mro_meta_init||
mro_method_changed_in|5.009005|
mro_package_moved||
mro_register|5.010001|
mro_set_mro|5.010001|
mro_set_private_data|5.010001|
mul128||
mulexp10||n
multideref_stringify||
my_atof2|5.007002|
my_atof|5.006000|
my_attrs||
my_bcopy||n
my_bytes_to_utf8||n
my_bzero||n
my_chsize||
my_clearenv||
my_cxt_index||
my_cxt_init||
my_dirfd|5.009005|n
my_exit_jump||
my_exit||
my_failure_exit|5.004000|
my_fflush_all|5.006000|
my_fork|5.007003|n
my kid||
my_lstat_flags||
my_lstat|5.021008|
my_memcmp||n
my_memset||n
my_pclose|5.003070|
my_popen_list|5.007001|
my_popen|5.003070|
my_setenv||
my_setlocale||
my_snprintf|5.009004||pvn
my_socketpair|5.007003|n
my_sprintf|5.009003||pvn
my_stat_flags||
my_stat|5.021008|
my_strerror||
my_strerror|5.021001|
my_strftime||
my_strlcat|5.009004||pn
my_strlcpy|5.009004||pn
my_unexec
my_vsnprintf[5.009004]
need_utf8[5.0]
newANONATTRSUB[5.006000]
newANONHASH[5.006000]
newANONLIST[5.006000]
newANONSUB[5.006000]
newASSIGNOP[5.006000]
newATTRSUB_x[5.006000]
newATTRSUB[5.006000]
newAV[5.006000]
newAVREF[5.006000]
newBINOP[5.006000]
newCONDOP[5.006000]
newCONSTSUB_flags[5.015006]
newCONSTSUB[5.004050][p
newCVREF[5.015006]
newDEFSVOP[5.021006]
newFORM[5.015006]
newFOROP[5.013007]
newGIVN[5.009003]
newGIVWHENOP[5.009003]
newG[5.009003]
newGVOP[5.009003]
newGVREF[5.009003]
newGVgen_flags[5.015004]
newGVgen[5.015004]
newHVREF[5.005000]
newHV[5.005000]
newIO[5.005000]
newL[5.005000]
newLSTOP[5.005000]
newLOGOP[5.005000]
newLOOPEX[5.005000]
newLOOPOP[5.005000]
newMETHOP_internal[5.005000]
newMETHOP_named[5.021005]
newMETHOP[5.021005]
newMYSUB[5.017004]
newNULLLIST[5.017004]
newOP[5.017004]
newPADNAMELIST[5.021007]
newPADNAMEouter[5.021007]
newPADNAMEpvn[5.021007]
newPADOP[5.021007]
newPMOP[5.021007]
newPROG[5.021007]
newPVOP[5.021007]
new_warnings_bitfield
next_symbol
nextargv
nextchar
ninstr
no_bareword_allowed
no_fh_allowed
no_op
noperl_die
not_a_number
not_incrementable
nothreadhook
nuke_stacks
num_overflow
oopsAV
oopsHV
op_append_elem
op_append_list
op_clear
op_contextualize
op_convert_list
op_dump
op_free
op_integerize
op_linklist
op_lvalue_flags
op_lvalue
op_null
op_parent
op_prepend_elem
op_refcnt_dec
op_refcnt_inc
op_refcnt_lock
op_refcnt_unlock
op_relocate_sv
op_scope
op_sibling_splice
op_std_init
op_unscope
open_script
openn_cleanup
openn_setup
opmethod_stash
opslab_force_free
opslab_free
opslab_free_nopad
pMY_CXT
pMY_CXT
Open Source Used In CSPC_Collector 2.9.1  8720
pTHX_[5.006000]p
pTHX[5.006000]p
packWARN[5.007003]p
pack_cat[5.007003]
pack_rec||
package_version||
package||
packlist||5.008001|
pad_add_anon[5.008001]
pad_add_name_pvn[5.015001]
pad_add_name_pvs[5.015001]
pad_add_name_pv[5.015001]
pad_add_name_sv[5.015001]
pad_add_weakref||
pad_alloc_name||
pad_alloc||
pad_block_start||
pad_check_dup||
pad_compname_type[5.009003]
pad_findlex||
pad_findmy_pvn[5.015001]
pad_findmy_pvs[5.015001]
pad_findmy_pv[5.015001]
pad_findmy_sv[5.015001]
pad_fixup_inner_anons||
pad_free||
pad_leavemy||
pad_new[5.008001]
pad_push||
pad_reset||
pad_setsv||
pad_sv||
pad_swipe||
pad_tidy[5.008001]
padlist_dup||
padlist_store||
padname_dup||
padname_free||
padnamelist_dup||
padnamelist_fetch[5.021007]n
padnamelist_free||
padnamelist_store[5.021007]
parse_arithexpr[5.013008]
parse_barestmt[5.013007]
parse_block[5.013007]
parse_body||
parse_fullexpr[5.013008]
parse_fullstmt[5.013005]
parse_gv_stash_name
parse_ident
parse_label
parse_listexpr
parse_lparen_question_flags
parse_stmtseq
parse_subsignature
parse_termexpr
parse_unicode_opts
parser_dup
parser_free_nexttoke_ops
parser_free
path_is_searchable
peep
pending_ident
perl_alloc_using
perl_alloc
perl_clone_using
perl_clone
perl_construct
perl_destruct
perl_free
perl_parse
perl_run
pidgone
pm_description
pmop_dump
pmruntime
pmtrans
pop_scope
populate_ANYOF_from_invlist
populate_isa
pregcomp
pregexec
pregfree2
pregfree
prescan_version
printbuf
printf_nocontext
process_special_blocks
ptr_hash
ptr_table_clear
ptr_table_fetch
ptr_table_find
ptr_table_free
ptr_table_new
ptr_table_split
ptr_table_store
push_scope
put_charclass_bitmap_innards
put_code_point
put_range
pv_display
pv_escape
pv_pretty
pv_uni_display
qerror
qsortsvu
quadmath_format_needed
quadmath_format_single
re_compile
re_croak2
re_dup_guts
re_intuit_start
re_intuit_string
re_op_compile
realloc
reentrant_free
reentrant_init
reentrant_retry
reentrant_size
ref_array_or_hash
refcounted_he_chain_2hv
refcounted_he_fetch_pvn
refcounted_he_fetch_pvs
refcounted_he_fetch_pv
refcounted_he_fetch_sv
refcounted_he_free
refcounted_he_inc
refcounted_he_new_pvn
refcounted_he_new_pvs
refcounted_he_new_pv
refcounted_he_new_sv
refcounted_he_value
refto
ref
reg2Lanode
reg_check_named_buff_matched
reg_named_buff_all
reg_named_buff_exists
reg_named_buff_fetch
reg_named_buff_firstkey
reg_named_buff_iter
reg_named_buff_nextkey
reg_named_buff_scalar
save_hints\[5.010001\]
save_hptr||
save_int||
save_item||
save_iv\[5.005000\]
save_lines||
save_list||
save_long||
save_magic_flags||
save_mortalizesv\[5.007001\]
save_nogy||
save_op\[5.005000\]
save_padsv_and_mortalize\[5.010001\]
save_pptr||
save_pushi32ptr\[5.010001\]
save_pushptr32ptr||
save_pushptrptr\[5.010001\]
save_pushptr\[5.010001\]
save_re_context\[5.006000\]
save_scalar_at||
save_scalar||
save_set_svflags\[5.009000\]
save_shared_pvrref\[5.007003\]
save_pptr||
save_strlen||
save_svrref||
save_vptr\[5.006000\]
savepvn||
savepvs\[5.009003\]
savepv||
savesharedpvn\[5.009005\]
savesharedpvs\[5.013006\]
savesharedpv\[5.007003\]
savesharedsvp\[5.013006\]
savestack_grow_cnt\[5.008001\]
savestack_grow||
savesvpv\[5.009002\]
sawparens||
scalar_mod_type||
scalarboolean||
scalarkids||
scalarme_seq||
scalarvoid||
scalar||
scan_bin\[5.006000\]
scan_commit||
scan_const||
scan_formline||
scan_heredoc
scan_hex
scan_ident
scan_inputsymbol
scan_num[5.007001]
scan_oct
scan_pat
scan_str
scan_subst
scan_trans
scan_version[5.009001]
scan_vstring[5.009005]
scan_word
search_const
seed[5.008001]
sequence_num
set_ANYOF_arg
set_caret_X
set_context[5.006000]
set_numeric_local[5.006000]
set_numeric_radix[5.006000]
set_numeric_standard[5.006000]
set_padlist
setdefout
share_hek Flags
share_hek[5.004000]
should_warn nl
si_dup
sighandler
simplify_sort
skipspace_flags
softref2xv
sortcv_stacked
sortcv_xsub
sortcv
sortsv_flags[5.009003]
sorts[5.007003]
space_join_names_mortal
ss_dup
ssc_add_range
ssc_and
sscAnything
ssc_clear_locale
ssc_cp_and
ssc_finalize
ssc_init
ssc_intersection
ssc_is_anything

---

Open Source Used in CSPC_Collector 2.9.1 8727
sv_dup_common
sv_dup_inc_multiple
sv_dup_inc
sv_dup
sv_eq_flags
sv_eq
sv_exp_grow
sv_force_normal_flags
sv_force_normal
sv_free2
sv_free_arenas
sv_free
sv_get_backrefs
sv_gets
sv_grow
sv_incmp
sv_inc_nomg
sv_inc
sv_insert_flags
sv_insert
sv_isa
sv_isobject
sv_iv
sv_kill_backrefs
sv_len_utf8_nomg
sv_len_utf8
sv_len
sv_magic_portable
sv_magicext_mglob
sv_magicext
sv_magic
sv_mortalcopy_flags
sv_mortalcopy
sv_ncmp
sv_newmortal
sv_newref
sv_nolocking
sv_nosharing
sv_nounlocking
sv_nv
sv_only_taint_gmagic
sv_or_pv_pos_u2b
sv.peek
sv_pos_b2u_flags
sv_pos_b2u_midway
sv_pos_b2u
sv_pos_u2b_cached
sv_pos_u2b_flags
sv_pos_u2b_forwards
sv_pos_u2b_midway
sv_pos_u2b
sv_pvbyten_force
sv_pvbyten
sv_pvbyte
sv_pvn_force
sv_pvn_force
sv_pvn_nomg
sv_pvn
sv_pvutf8n_force
sv_pvutf8n
sv_pvutf8
sv_pv
sv_recode_to_utf8
sv_ref
sv_release_COW
sv_replace
sv_report_used
sv_resetpvn
sv_rvweaken
sv_sethek
sv_setiv
sv_setiv_mg
sv_setiv
sv_setnv
sv_setnv_mg
sv_setnv
sv_setpv
sv_setpv_mg
sv_setpvf
sv_setpvf_mg_nocontext
sv_setpvf
sv_setpvf
sv_setpviv
sv_setpviv_mg
sv_setpvn
sv_setpvn_mg
sv_setpvs
sv_setpvs_mg
sv_setpvn
sv_setref
sv_setref_iv
sv_setref_nv
sv_setref_pvn
sv_setref_pvs
sv_setref_pv
sv_setref_uv
sv_setsv_cow
sv_setsv_flags

Open Source Used In CSPC_Collector 2.9.1 8731
if (exists $opt{'list-unsupported'}) {
  my $f;
  for $f (sort { lc $a cmp lc $b } keys %API) {
    next unless $API{$f}{todo};
    print "$f ", '.'x(40-length($f)), " ", format_version($API{$f}{todo}), "\n";
  }
  exit 0;
}

# Scan for possible replacement candidates

my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;
my($hint, $define, $function);

sub find_api
{
  my $code = shift;
  $code =~ s{
/ (?: \*[^\*]*\*+(?:[^$ccs]\[^*]*\*+)* / | \[/^\r\n\]*/
| "[^"]\*\*(?<!\\.[^\*\*])\*"

  if (exists $opt{'list-unsupported'}) {
    my $f;
    for $f (sort { lc $a cmp lc $b } keys %API) {
      next unless $API{$f}{todo};
      print "$f ", '.'x(40-length($f)), " ", format_version($API{$f}{todo}), "\n";
    }
    exit 0;
  }

  # Scan for possible replacement candidates

  my(%replace, %need, %hints, %warnings, %depends);
  my $replace = 0;
  my($hint, $define, $function);

  sub find_api
  {
| '[^'\\]*(?:\\.[^'\\]*)*' }{}egsx;
grep { exists $API{$_} } $code =~ /(\w+)/mg;
}
while (<DATA>) {
if ($hint) {
my $h = $hint->[0] eq 'Hint' ? \%hints : \%warnings;
if (m{^\s*\*\s(.*?)\s*$}) {
for (@{$hint->[1]}) {
$h->{$_} ||= ''; # suppress warning with older perls
$h->{$_} .= "$1\n";
}
}
else { undef $hint }
}
$hint = [$1, [split /,?\s+/, $2]]
if m{^\s*$rccs\s+(Hint|Warning):\s+(\w+(?:,?\s+\w+)*)\s*$};
if ($define) {
if ($define->[1] =~ /\\$/) {
$define->[1] .= $_;
}
else {
if (exists $API{$define->[0]} && $define->[1] !~ /^DPPP_\(/) {
my @n = find_api($define->[1]);
push @{$depends{$define->[0]}}, @n if @n
}
undef $define;
}
}
$define = [$1, $2] if m{^\s*#\s*define\s+(\w+)(?:\([^)]*\))?\s+(.*)};
if ($function) {
if (/^}/) {
if (exists $API{$function->[0]}) {
my @n = find_api($function->[1]);
push @{$depends{$function->[0]}}, @n if @n
}
undef $function;
}
else {
$function->[1] .= $_;
}
}
$function = [$1, ''] if m{^DPPP_\(my_(\w+)\)};

Open Source Used In CSPC_Collector 2.9.1 8736


Replace = $1 if m{'^s*$rccs\s+Replace: \s+(\d+)\s+$rcce\s*$'};
Replace{$2} = $1 if $replace and m{'^s*$#s*define\s+\(\w+\)\(\?!\(\!\)\)?\w+\(\w+\)};
Replace{$2} = $1 if m{'^s*$#s*define\s+\(\w+\)\(\?!\(\!\)\)?\w+\(\w+\).*rccs\s+Replace\s+$rcce\s*$'};
Replace{$1} = $2 if m{'^s*$rccs\s+Replace \(\w+\) with \(\w+\)\s+$rcce\s*$'};

if (m{'^s*$rccs\s+\(\w+\)\(\?!\(\!\)\)?\w+\(\w+\)\s+depends\s+on\s+\(\w+\)\(\?!\(\!\)\)?\w+\(\w+\)\s+rccs\s+$rcce\s*$'}) {
    my @deps = map { s/\s+//g; S_ } split ',', $3;
    my $d;
    for $d (map { s/\s+//g; S_ } split ',', $1) {
        push @{$depends{$d}}, @deps;
    }
}

$need{$1} = 1 if m{'^#if\s+defined\(\!NEED\(_\(\w+\)\(?!_\GLOBAL\)\)?\)'};

for (values %depends) {
    my %s;
    $s_ = [sort grep !$s{$_}++, @$_];
}

if (exists $opt{'api-info'}) {
    my $f;
    my $count = 0;
    my $match = $opt{'api-info'} =~ m!^/(.*)/$! ? $1 : "$\QSopt\{api-info\}\QE$";
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $f =~ /$match/;
        print "\n=== $f ===
\n";
        my $info = 0;
        if ($API{$f}{base} || $API{$f}{todo}) {
            my $base = format_version($API{$f}{base} || $API{$f}{todo});
            print "Supported at least starting from perl-$base:\n";
            $info++;
        }
        if ($API{$f}{provided}) {
            my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";
            print "Support by $ppport provided back to perl-$todo:\n";
            print "Support needs to be explicitly requested by NEED_$f\n" if exists $need{$f};
            print "Depends on: \(join\(’, ’, @$dependencies\)\), \"\n" if exists $dependencies{$f};
            print "\nShints\{f\}" if exists $shints{$f};
            print "WARNING\:\n\$warnings\{f\}" if exists $warnings{$f};
            $info++;
        }
        print "No portability information available:\n" unless $info;
        $count++;
    }
    $count or print "Found no API matching \$opt\{'api-info\}'\.";
if (exists $opt{'list-provided'}) {
    my @flags;
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $API{$f}{provided};
        push @flags, 'explicit' if exists $need{$f};
        push @flags, 'depend'  if exists $depends{$f};
        push @flags, 'hint'    if exists $hints{$f};
        push @flags, 'warning' if exists $warnings{$f};
        my $flags = @flags ? '  [' . join(', ', @flags) . ']' : ' ';
        print "$f$flags
";
    }
    exit 0;
}

my @files;
my @srcext = qw( .xs .c .h .cc .cpp .c.inc .xs.inc );
my $srcext = join '|', map { quotemeta $_ } @srcext;

if (@ARGV) {
    my %seen;
    for (@ARGV) {
        if (-e) {
            if (-f) {
                push @files, $_ unless $seen{$_}++;
            }
        } else { warn "$_ is not a file\n" }
    }
    else {
        my @new = grep { -f } glob $_
        or warn "$_ does not exist\n";
        push @files, grep { !$seen{$_}++ } @new;
    }
} else {
    eval {
        require File::Find;
        File::Find::find(sub {
            $File::Find::name =~ /($srcext)/i
            and push @files, $File::Find::name;
        }, '.');
    }
}
@files = map { glob "*$_" } @srcext;
}
}
if (!@ARGV || $opt{filter}) {
my(@in, @out);
my %xsc = map { /(.*)\.xs$/ ? ("$1.c" => 1, "$1.cc" => 1) : () } @files;
for (@files) {
my $out = exists $xsc{$_} || /\b\Q$ppport\E$/i || !/($srcext)$/i;
push @{ $out ? \@out : \@in }, $_;
}
if (@ARGV && @out) {
warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
}
@files = @in;
}
die "No input files given!\n" unless @files;
my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;
for $filename (@files) {
unless (open IN, "<$filename") {
warn "Unable to read from $filename: $!\n";
next;
}
info("Scanning $filename ...");
my $c = do { local $/; <IN> };
close IN;
my %file = (orig => $c, changes => 0);
# Temporarily remove C/XS comments and strings from the code
my @ccom;
$c =~ s{
( ^$HS*\#$HS*include\b[^\r\n]+\b(?:\Q$ppport\E|XSUB\.h)\b[^\r\n]*
| ^$HS*\#$HS*(?:define|elif|if(?:def)?)\b[^\r\n]* )
| ( ^$HS*\#[^\r\n]*
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^'\\]*(?:\\.[^'\\]*)*'
| / (?: \*[^*]*\*+(?:[^$ccs][^*]*\*+)* / | /[^\r\n]* ) )
}{ defined $2 and push @ccom, $2;

Open Source Used In CSPC_Collector 2.9.1 8739


defined $1 ? $1 : "$ccs#$ccom$ccce" }mgsex;

$file{com} = \@com;
$file{code} = $c;
$file{has_inc_ppport} = $c =~ /\^SHS*$SHS*include[^\r\n]+\bQ$ppport\b/; 

my $func;

for $func (keys %API) {
    my $match = $func;
    $match .= " |$revreplace{$func}" if exists $revreplace{$func};
    if ($c =~ /Ab\(?:Perl\_)?$match\)/) {
        $file{uses_replace}{$1}++ if exists $revreplace{$func} && $1 eq $revreplace{$func};
        $file{uses_Perl}{$func}++ if $c =~ /AbPerl_$func\/;
        if (exists $API{$func}{provided}) {
            $file{uses_provided}{$func}++;
            if (!exists $API{$func}{base} || $API{$func}{base} > $opt{'compat-version'}) {
                $file{uses}{$func}++;
            }
        }
        @deps = rec_depend($func);
        if (@deps) {
            $file{uses_deps}{$func} = \@deps;
            for (@deps) {
                $file{uses}{$_} = 0 unless exists $file{uses}{$_};
            }
        }
        for ($func, @deps) {
            $file{needs}{$_} = 'static' if exists $need{$_};
        }
    }
    if (exists $API{$func}{todo} && $API{$func}{todo} > $opt{'compat-version'}) {
        if ($c =~ /$func/) {
            $file{uses_todo}{$func}++;
        }
    }
}

while ($c =~ /\^SHS*$SHS*define$SHS+(NEED_\(\w+\)?(_GLOBAL)?)\b/mg) {
    if (exists $need{$2}) {
        $file{defined $3 ? 'needed_global' : 'needed_static'}{$2}++;
    } else { warning("Possibly wrong #define $1 in $filename") }
}

for (qw(uses needs uses_todo needed_global needed_static)) {
    for $func (keys %{$file{$_}}) {
        push @{$global{$_}{$func}}, $filename;
    }
}
for $filename (@files) {
    exists $files{$filename} or next;

    info("=== Analyzing $filename ===");

    my %file = %{$files{$filename}};
    my $func;
    my $c = $file{code};
    my $warnings = 0;

    for $func (sort keys %{$file{uses_Perl}}) {
        if ($API{$func}{varargs}) {
            unless ($API{$func}{nothxarg}) {
                my $changes = ($c =~ s{\(\$func\s*\(\)?(?!aTHX_?)\(.*\)\(.*\)\s*)\s*(.*)}{ $1 . ($2 eq ')' ? 'aTHX' : 'aTHX_ ' ) . $2 }ge);
                if ($changes) {
                    warning("Doesn't pass interpreter argument aTHX to Perl_$func");
                    $file{changes} += $changes;
                }
            }
        }
        else {
            warning("Uses Perl_$func instead of $func");
            $file{changes} += ($c =~ s{\(\$func\s*\(\)?(?!aTHX_?)\(.*\)\(.*\)\s*)\s*(.*)}{ $func$1 }g);
        }
    }
}
for $func (sort keys %{$file{uses_replace}}) {
    warning("Uses $func instead of $replace{$func}");
    $file{changes} += ($c =~ s/$func/$replace{$func}/g);
}

for $func (sort keys %{$file{uses_provided}}) {
    if ($file{uses}{$func}) {
        if (exists $file{uses_deps}{$func}) {
            diag("Uses $func, which depends on ", join(', ', @{$file{uses_deps}{$func}}));
        } else {
            diag("Uses $func");
        }
    }
    $warnings += hint($func);
}

unless ($opt{quiet}) {
    for $func (sort keys %{$file{uses_todo}}) {
        print "*** WARNING: Uses $func, which may not be portable below perl ",
            format_version($API{$func}{todo}), ", even with '$ppport\n";
        $warnings++;
    }
}

for $func (sort keys %{$file{needed_static}}) {
    my $message = ";
    if (not exists $file{uses}{$func}) {
        $message = "No need to define NEED_$func if $func is never used";
    } elsif (exists $file{needs}{$func} & & $file{needs}{$func} ne 'static') {
        $message = "No need to define NEED_$func when already needed globally";
    } if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^$HS*$HS*define$HS+NEED_$func\b.*$LF//mg);
    }
}

for $func (sort keys %{$file{needed_global}}) {
    my $message = ";
    if (not exists $global{uses}{$func}) {
        $message = "No need to define NEED_$func\_GLOBAL if $func is never used";
    } elsif (exists $file{needs}{$func}) {

if ($file{needs}->{$func} eq 'extern') {
    $message = "$no need to define NEED_${func}_GLOBAL when already needed globally";
} elsif ($file{needs}->{$func} eq 'static') {
    $message = "$no need to define NEED_${func}_GLOBAL when only used in this file";
}

if ($message) {
    diag($message);
    $file{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_${func}_GLOBAL:\b.*$LF//mg);
}

$file{needs_inc_ppport} = keys %{$file{uses}};

if ($file{needs_inc_ppport}) {
    my $pp = ";

    for $func (sort keys %{$file{needs}})) {
        my $type = $file{needs}->{$func};
        next if $type eq 'extern';
        my $suffix = $type eq 'global' ? '_GLOBAL' : '';
        unless (exists $file{"needed$_type"}->{$func}) {
            if ($type eq 'global') {
                diag("Files [@{$global{needs}{$func}}] need $func, adding global request");
            } else {
                diag("File needs $func, adding static request");
            }
            $pp .= "#define NEED_$func$suffix
";
        }
    }

    if ($pp && ($c =~ s/^(?=$HS*#$HS*define$HS+NEED_\w+\+?)/$pp/m)) {
        $pp = "";
        $file{changes}++;
    }

    unless ($file{has_inc_ppport}) {
        diag("Needs to include '$ppport'");
        $pp .= qq(#include "$ppport"
);    
    }

    if ($pp) {
        $file{changes} += ($c =~ s/^($HS*#$HS*define$HS+NEED_\w+\+?)/$1$pp/ms)
                       || ($c =~ s/^(?=.*$HS*\Q$ppport\E)/$pp/m)
                       || ($c =~ s/^(?=.*$HS*include.*XSUB.*\s*?)/$1$pp/m)
                       || ($c =~ s/^/$pp/);
else {
    if ($file{has_inc_ppport}) {
        diag("No need to include '$ppport'");
        $file{changes} += ($c =~ s/^$HS*?#$HS*include.*\Q$ppport\E.*?$LF//m);
    }
}

# put back in our C comments
my $ix;
my $cppc = 0;
my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
    if (!$opt{cplusplus} && $ccom[$ix] =~ s!^//!!) {
        $cppc++;
        $file{changes} += $c =~ s/$rccs$ix$rcce/$ccs$ccom[$ix] $cce/;
    } else {
        $c =~ s/$rccs$ix$rcce/$ccom[$ix]/;
    }
}

if ($cppc) {
    my $s = $cppc != 1 ? 's' : ';
    warning("Uses $cppc C++ style comment$s, which is not portable");
}

my $s = $warnings != 1 ? 's' : ';
my $warn = $warnings ? " ($warnings warning$s)" : ";
info("Analysis completed$warn");

if ($file{changes}) {
    if (exists $opt{copy}) {
        my $newfile = "$filename$opt{copy}";
        if (-e $newfile) {
            error("'$newfile' already exists, refusing to write copy of '$filename'");
        } else {
            local *F;
            if (open F, ">$newfile") {
                info("Writing copy of '$filename' with changes to '$newfile'");
                print F $c;
                close F;
            } else {
                error("Cannot open '$newfile' for writing: "$!");
            }
        }
    }
}
elsif (exists $opt{patch} || $opt{changes}) {
    if (exists $opt{patch}) {
        unless ($patch_opened) {
            if (open PATCH, ">$opt{patch}") {
                $patch_opened = 1;
            } else {
                error("Cannot open '$opt{patch}' for writing: $!");
                delete $opt{patch};
                $opt{changes} = 1;
                goto fallback;
            }
        }
        mydiff(*PATCH, $filename, $c);
    } else {
        fallback:
        info("Suggested changes:");
        mydiff(*STDOUT, $filename, $c);
    } else {
        my $s = $file{changes} == 1 ? '' : 's';
        info("$file{changes} potentially required change$s detected");
    } else {
        info("Looks good");
    }
}

close PATCH if $patch_opened;

exit 0;

sub try_use { eval "use @_;"; return @{$@ eq ""} }

sub mydiff
{
    local *F = shift;
    my($file, $str) = @_;
    my $diff;

    if (exists $opt{diff}) {
        $diff = run_diff($opt{diff}, $file, $str);
    }

    mydiff(*STDOUT, $filename, $c);
}
if (!defined $diff and try_use('Text::Diff')) {
    $diff = Text::Diff::diff($file, $str, { STYLE => 'Unified' });
    $diff = <<HEADER . $diff;
--- $file
+++ $file.patched
HEADER
}

if (!defined $diff) {
    $diff = run_diff('diff -u', $file, $str);
}

if (!defined $diff) {
    $diff = run_diff('diff', $file, $str);
}

if (!defined $diff) {
    error("Cannot generate a diff. Please install Text::Diff or use --copy.");
    return;
}

print F $diff;

sub run_diff {
    my($prog, $file, $str) = @_; 
    my $tmp = 'dppptemp';
    my $suf = 'aaa';
    my $diff = ";
    local *F;

    while (-e "$tmp.$suf") { $suf++ }
    $tmp = "$tmp.$suf";

    if (open F, ">$tmp") {
        print F $str;
        close F;

        if (open F, "$prog $file $tmp") {
            while (<F>) {
                s/AQ$tmp\E/$file.patched/;
                $diff .= ";
            }
            close F;
            unlink $tmp;
	}
return $diff;
}

unlink $tmp;
}
else {
    error("Cannot open '$tmp' for writing: $!");
}
return undef;
}

sub rec_depend
{
    my($func, $seen) = @_; 
    return () unless exists $depends{$func}; 
    $seen = {%{$seen||{}}};
    return () if $seen->{$func}++;
    my %s;
    grep !$s{$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}}; 
}

sub parse_version
{
    my $ver = shift;

    if ($ver =~ /^\d+.(\d+).\d+$/) {
        return ($1, $2, $3);
    }
    elsif ($ver !~ /^\d+.\[\d_]+$/) {
        die "cannot parse version "$ver"
    }

    $ver =~ s/_//g;
    $ver =~ s/$/000000/;

    my($r,$v,$s) = $ver =~ /\d+(\d+)(\d+)/;

    $r = int $r;
    $v = int $v;
    $s = int $s;

    if ($r < 5 || ($r == 5 && $v < 6)) {
        if ($s % 10) {
            die "cannot parse version "$ver"
        }
    }

    return ($r, $v, $s);
sub format_version
{
    my $ver = shift;

    $ver =~ s/$/000000/;
    my($r,$v,$s) = $ver =~ /\d+\.(\d{3})(\d{3})/;

    $v = int $v;
    $s = int $s;

    if ($r < 5 || ($r == 5 && $v < 6)) {
        if ($s % 10) {
            die "invalid version $ver\n";
        }
        $s /= 10;

        $ver = sprintf "%d.%03d", $r, $v;
        $s > 0 and $ver .= sprintf "_%02d", $s;

        return $ver;
    }

    return sprintf "%d.%d.%d", $r, $v, $s;
}

sub info
{
    $opt{quiet} and return;
    print @_, "\n";
}

sub diag
{
    $opt{quiet} and return;
    $opt{diag} and print @_, "\n";
}

sub warning
{
    $opt{quiet} and return;
    print "*** \", @_, "\n";
}

sub error
{
    print "*** ERROR: \", @_, "\n";
}
my %given_hints;
my %given_warnings;
sub hint
{
    $opt{quiet} and return;
    my $func = shift;
    my $rv = 0;
    if (exists $warnings->{$func} && !$given_warnings->{$func}++) {
        my $warn = $warnings->{$func};
        $warn =~ s!^!*** !mg;
        print "*** WARNING: $func\n", $warn;
        $rv++;
    }
    if ($opt{hints} && exists $hints->{$func} && !$given_hints->{$func}++) {
        my $hint = $hints->{$func};
        $hint =~ s/^/   /mg;
        print "   --- hint for $func ---\n", $hint;
    }
    $rv;
}

sub usage
{
    my($usage) = do { local(@ARGV,$/)=(0); <> } =~ /^=head\d$HS+SYNOPSIS\s*^(.*?)\s*^=/ms;
    my %M = ( 'I' => '*' );
    $usage =~ s/\s*perl\s+\S+/$^X $0/;
    $usage =~ s/([A-Z])<([^>]\n>)/$M{\1}$2$M{\1}/g;
    print <<ENDUSAGE;
Usage: $usage
See perldoc $0 for details.
ENDUSAGE
exit 2;
}

sub strip
{
    my $self = do { local(@ARGV,$/)=(0); <> ];
    my($copy) = $self =~ /^=head\d\s+COPYRIGHT\s*^(.*?)^=\w+/ms;
    my %M = ( 'I' => '*' );
    $usage =~ s/\s*$\s*perl\s+\S+/$^X $0/;
    $usage =~ s/([A-Z])<([^>]\n>)/$M{\1}$/g;
    $copy =~ s/\s*$\s+Do NOT edit.*?(?=^-)/SKIP
print <<ENDUSAGE;
if (@ARGV && $ARGV[0] eq '--unstrip') {
  eval { require Devel::PPPort; }
  @ARGV and die "Cannot require Devel::PPPort, please install.\n";
  if (eval $Devel::PPPort::VERSION < $VERSION) {
    die "$0 was originally generated with Devel::PPPort $VERSION.\n"
    . "Your Devel::PPPort is only version $Devel::PPPort::VERSION.\n"
    . "Please install a newer version, or --unstrip will not work.\n";
  }
  Devel::PPPort::WriteFile($0);
  exit 0;
}
print <<END;
Sorry, but this is a stripped version of $0.
To be able to use its original script and doc functionality,
please try to regenerate this file using:

\$^X $0 --unstrip
END
/open Source Used In CSPC_Collector 2.9.1  8750
*/
Found in path(s):
No license file was found, but licenses were detected in source scan.

=head1 NAME
=head1 SYNOPSIS

use Data::Dumper;

# simple procedural interface
print Dumper($foo, $bar);

# extended usage with names
print Data::Dumper->Dump([$foo, $bar], [qw(foo *ary)]);

# configuration variables
{  
  local $Data::Dumper::Purity = 1;
  eval Data::Dumper->Dump([$foo, $bar], [qw(foo *ary)]);
}

# OO usage
$d = Data::Dumper->new([$foo, $bar], [qw(foo *ary)]);
...
print $d->Dump;
...
$d->Purity(1)->Terse(1)->Deepcopy(1);
eval $d->Dump;

=head1 DESCRIPTION

Given a list of scalars or reference variables, writes out their contents in perl syntax. The references can also be objects. The content of each variable is output in a single Perl statement. Handles self-referential structures correctly.

The return value can be C<eval>ed to get back an identical copy of the original reference structure. (Please do consider the security implications of eval’ing code from untrusted sources!)

Any references that are the same as one of those passed in will be named C<$VAR>1<n> (where I<n> is a numeric suffix), and other duplicate references to substructures within C<$VAR>1<n> will be appropriately labeled using arrow notation. You can specify names for individual values to be dumped if you use the C<Dump()> method, or you can change the default C<$VAR> prefix to something else. See C<$Data::Dumper::Varname> and C<$Data::Dumper::Terse> below.

The default output of self-referential structures can be C<eval>ed, but the
nested references to \$VAR\n will be undefined, since a recursive
structure cannot be constructed using one Perl statement. You should set the
\$Purity flag to 1 to get additional statements that will correctly fill in
these references. Moreover, if eval\ed when strictures are in effect,
you need to ensure that any variables it accesses are previously declared.

In the extended usage form, the references to be dumped can be given
user-specified names. If a name begins with a \$*, the output will
describe the dereferenced type of the supplied reference for hashes and
arrays, and coderefs. Output of names will be avoided where possible if
the \$Terse flag is set.

In many cases, methods that are used to set the internal state of the
object will return the object itself, so method calls can be conveniently
chained together.

Several styles of output are possible, all controlled by setting
the \$Indent flag. See L<Configuration Variables or Methods> below
for details.

=head2 Methods

=over 4

=item \$PACKAGE->new(ARRAYREF [>, ARRAYREF])

Returns a newly created \$Data::Dumper object. The first argument is an
anonymous array of values to be dumped. The optional second argument is an
anonymous array of names for the values. The names need not have a leading
\$ sign, and must be comprised of alphanumeric characters. You can begin
a name with a \$* to specify that the dereferenced type must be dumped
instead of the reference itself, for ARRAY and HASH references.

The prefix specified by \$Data::Dumper::Varname will be used with a
numeric suffix if the name for a value is undefined.

Data::Dumper will catalog all references encountered while dumping the
values. Cross-references (in the form of names of substructures in perl
syntax) will be inserted at all possible points, preserving any structural
interdependencies in the original set of values. Structure traversal is
depth-first, and proceeds in order from the first supplied value to
the last.

=item \$OBJ->Dump  \$PACKAGE->Dump(ARRAYREF [>, ARRAYREF])

Returns the stringified form of the values stored in the object (preserving
the order in which they were supplied to \$new), subject to the
configuration options below. In a list context, it returns a list
of strings corresponding to the supplied values.

The second form, for convenience, simply calls the C<new> method on its
arguments before dumping the object immediately.

=item I<$OBJ>->Seen(I<[HASHREF]>)

Queries or adds to the internal table of already encountered references.
You must use C<Reset> to explicitly clear the table if needed. Such
references are not dumped; instead, their names are inserted wherever they
are encountered subsequently. This is useful especially for properly
dumping subroutine references.

Expects an anonymous hash of name => value pairs. Same rules apply for names
as in C<new>. If no argument is supplied, will return the "seen" list of
name => value pairs, in a list context. Otherwise, returns the object
itself.

=item I<$OBJ>->Values(I<[ARRAYREF]>)

Queries or replaces the internal array of values that will be dumped. When
called without arguments, returns the values as a list. When called with a
reference to an array of replacement values, returns the object itself. When
called with any other type of argument, dies.

=item I<$OBJ>->Names(I<[ARRAYREF]>)

Queries or replaces the internal array of user supplied names for the values
that will be dumped. When called without arguments, returns the names. When
called with an array of replacement names, returns the object itself. If the
number of replacement names exceeds the number of values to be named, the
excess names will not be used. If the number of replacement names falls short
of the number of values to be named, the list of replacement names will be
exhausted and remaining values will not be renamed. When
called with any other type of argument, dies.

=item I<$OBJ>->Reset

Clears the internal table of "seen" references and returns the object
itself.

=back

=head2 Functions

=over 4
=item Dumper(I<LIST>)

Returns the stringified form of the values in the list, subject to the configuration options below. The values will be named C<$VAR>I<n> in the output, where I<n> is a numeric suffix. Will return a list of strings in a list context.

=back

=head2 Configuration Variables or Methods

Several configuration variables can be used to control the kind of output generated when using the procedural interface. These variables are usually C<local>ized in a block so that other parts of the code are not affected by the change.

These variables determine the default state of the object created by calling the C<new> method, but cannot be used to alter the state of the object thereafter. The equivalent method names should be used instead to query or set the internal state of the object.

The method forms return the object itself when called with arguments, so that they can be chained together nicely.

=over 4

=item *

$Data::Dumper::Indent I<or> I<$OBJ>-Inden(I<[NEWVAL]>)

Controls the style of indentation. It can be set to 0, 1, 2 or 3. Style 0 spews output without any newlines, indentation, or spaces between list items. It is the most compact format possible that can still be called valid perl. Style 1 outputs a readable form with newlines but no fancy indentation (each level in the structure is simply indented by a fixed amount of whitespace). Style 2 (the default) outputs a very readable form which takes into account the length of hash keys (so the hash value lines up). Style 3 is like style 2, but also annotates the elements of arrays with their index (but the comment is on its own line, so array output consumes twice the number of lines). Style 2 is the default.

=item *

$Data::Dumper::Trailingcomma I<or> I<$OBJ>-Trailingcomma(I<[NEWVAL]>)

Controls whether a comma is added after the last element of an array or hash. Even when true, no comma is added between the last element of an array or hash and a closing bracket when they appear on the same line. The default
is false.

=item *

$Data::Dumper::Purity  I<or>  I<$OBJ>->Purity(I<NEWVAL>)

Controls the degree to which the output can be \texttt{eval}ed to recreate the supplied reference structures. Setting it to 1 will output additional perl statements that will correctly recreate nested references. The default is 0.

=item *

$Data::Dumper::Pad  I<or>  I<$OBJ>->Pad(I<NEWVAL>)

Specifies the string that will be prefixed to every line of the output. Empty string by default.

=item *

$Data::Dumper::Varname  I<or>  I<$OBJ>->Varname(I<NEWVAL>)

Contains the prefix to use for tagging variable names in the output. The default is "VAR".

=item *

$Data::Dumper::Useqq  I<or>  I<$OBJ>->Useqq(I<NEWVAL>)

When set, enables the use of double quotes for representing string values. Whitespace other than space will be represented as \texttt{\{\textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbackslash \textbacklash}
Data::Dumper will invoke that method via the object before attempting to stringify it. This method can alter the contents of the object (if, for instance, it contains data allocated from C), and even rebless it in a different package. The client is responsible for making sure the specified method can be called via the object, and that the object ends up containing only perl data types after the method has been called. Defaults to an empty string.

If an object does not support the method specified (determined using UNIVERSAL::can()) then the call will be skipped. If the method dies a warning will be generated.

=item *

$Data::Dumper::Toaster  I<or>  $I<OBJ>-Toaster(I<NEWVAL>)

Can be set to a method name, or to an empty string to disable the feature. Data::Dumper will emit a method call for any objects that are to be dumped using the syntax C<bless(DATA, CLASS)-METHOD()>. Note that this means that the method specified will have to perform any modifications required on the object (like creating new state within it, and/or reblessing it in a different package) and then return it. The client is responsible for making sure the method can be called via the object, and that it returns a valid object. Defaults to an empty string.

=item *

$Data::Dumper::Deepcopy  I<or>  $I<OBJ>-Deepcopy(I<NEWVAL>)

Can be set to a boolean value to enable deep copies of structures. Cross-referencing will then only be done when absolutely essential (i.e., to break reference cycles). Default is 0.

=item *

$Data::Dumper::Quotekeys  I<or>  $I<OBJ>-Quotekeys(I<NEWVAL>)

Can be set to a boolean value to control whether hash keys are quoted. A defined false value will avoid quoting hash keys when it looks like a simple string. Default is 1, which will always enclose hash keys in quotes.

=item *

$Data::Dumper::Bless  I<or>  $I<OBJ>-Bless(I<NEWVAL>)

Can be set to a string that specifies an alternative to the C<bless> builtin operator used to create objects. A function with the specified name should exist, and should accept the same arguments as the builtin.
Default is `bless`.

- \$Data::Dumper::Pair \$OBJ->Pair(NEWVAL)

Can be set to a string that specifies the separator between hash keys and values. To dump nested hash, array and scalar values to JavaScript, use: `Data::Dumper::Pair = ': ':'. Implementing `bless` in JavaScript is left as an exercise for the reader.

A function with the specified name exists, and accepts the same arguments as the builtin.

Default is: `->gt`.

- \$Data::Dumper::Maxdepth \$OBJ->Maxdepth(NEWVAL)

Can be set to a positive integer that specifies the depth beyond which we don't venture into a structure. Has no effect when `Data::Dumper::Purity` is set. (Useful in debugger when we often don't want to see more than enough). Default is 0, which means there is no maximum depth.

- \$Data::Dumper::Maxrecurse \$OBJ->Maxrecurse(NEWVAL)

Can be set to a positive integer that specifies the depth beyond which recursion into a structure will throw an exception. This is intended as a security measure to prevent perl running out of stack space when dumping an excessively deep structure. Can be set to 0 to remove the limit. Default is 1000.

- \$Data::Dumper::Useperl \$OBJ->Useperl(NEWVAL)

Can be set to a boolean value which controls whether the pure Perl implementation of `Data::Dumper` is used. The `Data::Dumper` module is a dual implementation, with almost all functionality written in both pure Perl and also in XS ('C'). Since the XS version is much faster, it will always be used if possible. This option lets you override the default behavior, usually for testing purposes only. Default is 0, which means the XS implementation will be used if possible.
Can be set to a boolean value to control whether hash keys are dumped in sorted order. A true value will cause the keys of all hashes to be dumped in Perl's default sort order. Can also be set to a subroutine reference which will be called for each hash that is dumped. In this case `Data::Dumper` will call the subroutine once for each hash, passing it the reference of the hash. The purpose of the subroutine is to return a reference to an array of the keys that will be dumped, in the order that they should be dumped. Using this feature, you can control both the order of the keys, and which keys are actually used. In other words, this subroutine acts as a filter by which you can exclude certain keys from being dumped. Default is 0, which means that hash keys are not sorted.

```
=item *

$Data::Dumper::Deparse  I<or>  $I<OBJ>->Deparse(I<[NEWVAL]>)
```

Can be set to a boolean value to control whether code references are turned into perl source code. If set to a true value, `B::Deparse` will be used to get the source of the code reference. Using this option will force using the Perl implementation of the dumper, since the fast XSUB implementation doesn't support it.

Caution: use this option only if you know that your coderefs will be properly reconstructed by `B::Deparse`.

```
=item *

$Data::Dumper::Sparseseen  I<or>  $I<OBJ>->Sparseseen(I<[NEWVAL]>)
```

By default, `Data::Dumper` builds up the "seen" hash of scalars that it has encountered during serialization. This is very expensive. This seen hash is necessary to support and even just detect circular references. It is exposed to the user via the `C<Seen()>` call both for writing and reading.

If you, as a user, do not need explicit access to the "seen" hash, then you can set the `C<Sparseseen>` option to allow `Data::Dumper` to eschew building the "seen" hash for scalars that are known not to possess more than one reference. This speeds up serialization considerably if you use the XS implementation.

Note: If you turn on `C<Sparseseen>`, then you must not rely on the content of the seen hash since its contents will be an implementation detail!
EXAMPLES

Run these code snippets to get a quick feel for the behavior of this module. When you are through with these examples, you may want to add or change the various configuration variables described above, to see their behavior. (See the testsuite in the Data::Dumper distribution for more examples.)

use Data::Dumper;

package Foo;
sub new {bless {a => 1, b => sub { return "foo" }}, $_[0]};

package Fuz;                       # a weird REF-REF-SCALAR object
sub new {bless \($_ = \"fu\"z\"\), $_[0]};

package main;
$foo = Foo->new;
$fuz = Fuz->new;
$boo = [ 1, [], "abcd", \"foo,
    [ 1 => 'a', 023 => 'b', 0x45 => 'c'],
    \"p\q\'r", $foo, $fuz];

####
# simple usage
####

$bar = eval(Dumper($boo));
print($@) if $@;
print Dumper($boo), Dumper($bar);  # pretty print (no array indices)

$Data::Dumper::Terse = 1;       # don't output names where feasible
$Data::Dumper::Indent = 0;       # turn off all pretty print
print Dumper($boo), "\n";

$Data::Dumper::Indent = 1;       # mild pretty print
print Dumper($boo);

$Data::Dumper::Indent = 3;       # pretty print with array indices
print Dumper($boo);

$Data::Dumper::Useqq = 1;        # print strings in double quotes
print Dumper($boo);

$Data::Dumper::Pair = " : ";    # specify hash key/value separator
print Dumper($boo);

########
# recursive structures
########

@c = ('c');
$e = @c;
$b = [ ];
$a = [1, $b, $e];
$b->{a} = $a;
$b->{b} = $a->[1];
$b->{c} = $a->[2];
print Data::Dumper->Dump([$a,$b,$c], [qw(a b c)]);

$Data::Dumper::Purity = 1;       # fill in the holes for eval
print Data::Dumper->Dump([$a, $b], [qw(*a b)]); # print as @a
print Data::Dumper->Dump([$b, $a], [qw(*b a)]); # print as %b

$Data::Dumper::Deepcopy = 1;     # avoid cross-refs
print Data::Dumper->Dump([$b, $a], [qw(*b a)]);

$Data::Dumper::Purity = 0;       # avoid cross-refs
print Data::Dumper->Dump([$b, $a], [qw(*b a)]);

########
# deep structures
########

$a = "pearl";
$b = [ $a ];
$c = { 'b' => $b };  
$d = [ $c ];
$e = { 'd' => $d };  
$f = { 'e' => $e };  

print Data::Dumper->Dump([$f], [qw(f)]);

$data::Dumper::Maxdepth = 3;       # no deeper than 3 refs down
print Data::Dumper->Dump([$f], [qw(f)]);

########
# object-oriented usage
########

$d = Data::Dumper->new([$a,$b], [qw(a b)]);
$d->Seen({"c" => $c});       # stash a ref without printing it
$d->Indent(3);
print $d->Dump;
$d->Reset->Purity(0);         # empty the seen cache
print join "----
", $d->Dump;

########
# persistence
########

package Foo;
sub new { bless { state => 'awake' }, shift }
sub Freeze {
    my $s = shift;
    print STDERR "preparing to sleep\n";
    $s->{state} = 'asleep';
    return bless $s, 'Foo::ZZZ';
}

package Foo::ZZZ;
sub Thaw {
    my $s = shift;
    print STDERR "waking up\n";
    $s->{state} = 'awake';
    return bless $s, 'Foo';
}

package main;
use Data::Dumper;
$a = Foo->new;
$b = Data::Dumper->new([$a], ['c']);
$b->Freezer('Freeze');
$b->Toaster('Thaw');
$c = $b->Dump;
print $c;
$d = eval $c;
print Data::Dumper->Dump([$d], ['d']);

########
# symbol substitution (useful for recreating CODE refs)
########
sub foo { print "foo speaking\n" }
*other = \&foo;
$bar = [ \&other ];
$d = Data::Dumper->new([\&other,$bar],['*other','bar']);
$d->Seen({'*foo' => \&foo });
print $d->Dump;

########
# sorting and filtering hash keys
########
$Data::Dumper::Sortkeys = \&my_filter;
my $foo = { map { (ord, "$_$_$_") } 'I'..'Q' };  
my $bar = { %$foo };  
my $baz = { reverse %$foo };  
print Dumper [ $foo, $bar, $baz ];

sub my_filter {
  my ($hash) = @_;  
  # return an array ref containing the hash keys to dump  
  # in the order that you want them to be dumped  
  return [
    # Sort the keys of %$foo in reverse numeric order  
    $hash eq $foo ? (sort {$b <=> $a} keys %$hash) :
    # Only dump the odd number keys of %$bar  
    $hash eq $bar ? (grep {$_ % 2} keys %$hash) :
    # Sort keys in default order for all other hashes  
    (sort keys %$hash)
  ];
}

=head1 BUGS

Due to limitations of Perl subroutine call semantics, you cannot pass an array or hash. Prepend it with a C<\> to pass its reference instead. This will be remedied in time, now that Perl has subroutine prototypes. For now, you need to use the extended usage form, and prepend the name with a C<* > to output it as a hash or array.

C<Data::Dumper> cheats with CODE references. If a code reference is
encountered in the structure being processed (and if you haven't set the \texttt{C<Deparse>} flag), an anonymous subroutine that contains the string "DUMMY" will be inserted in its place, and a warning will be printed if \texttt{C<Purity>} is set. You can \texttt{C<eval>} the result, but bear in mind that the anonymous sub that gets created is just a placeholder. Someday, perl will have a switch to cache-on-demand the string representation of a compiled piece of code, I hope. If you have prior knowledge of all the code refs that your data structures are likely to have, you can use the \texttt{C<Seen>} method to pre-seed the internal reference table and make the dumped output point to them, instead. See \texttt{L</EXAMPLES>} above.

The \texttt{C<Deparse>} flag makes \texttt{Dump()} run slower, since the XSUB implementation does not support it.

SCALAR objects have the weirdest looking \texttt{C<bless>} workaround.

Pure Perl version of \texttt{C<Data::Dumper>} escapes UTF-8 strings correctly only in Perl 5.8.0 and later.

=head2 NOTE

Starting from Perl 5.8.1 different runs of Perl will have different ordering of hash keys. The change was done for greater security, see \texttt{L<perlsec/"Algorithmic Complexity Attacks">}. This means that different runs of Perl will have different \texttt{Data::Dumper} outputs if the data contains hashes. If you need to have identical \texttt{Data::Dumper} outputs from different runs of Perl, use the environment variable \texttt{PERL_HASH_SEED}, see \texttt{L<perlrun/PERL_HASH_SEED>}. Using this restores the old (platform-specific) ordering: an even prettier solution might be to use the \texttt{C<Sortkeys>} filter of \texttt{Data::Dumper}.

=head1 AUTHOR

Gurusamy Sarathy \ gsar@activestate.com

Copyright (c) 1996-2016 Gurusamy Sarathy. All rights reserved. This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 VERSION

Version 2.161  (July 11 2016)

=head1 SEE ALSO

perl(1)
Found in path(s):
No license file was found, but licenses were detected in source scan.

License:        GPL+ or Artistic

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548090_1591903283.05/0/perl-Data-Dumper-2.167-399.el8.src.rpm-cosi-expand-archive-lxnDj2VA/perl-Data-Dumper.spec

1.830 derbylocale-ru 10.14.2.0

1.830.1 Available under license :

===========================================================================
== NOTICE file corresponding to section 4(d) of the Apache License,  
== Version 2.0, in this case for the Apache Derby distribution. 
== 
== DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED 
== BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE. 
== 
===========================================================================

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

===========================================================================

Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
"Software Grant and Corporate Contribution License Agreement",
informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code
with which this file is now or was at one time distributed
and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.
The portion of the functionTests under 'nist' was originally developed by the National Institute of Standards and Technology (NIST), an agency of the United States Department of Commerce, and adapted by International Business Machines Corporation in accordance with the NIST Software Acknowledgment and Redistribution document at http://www.itl.nist.gov/div897/ctg/sql_form.htm

The Derby build relies on source files supplied by the Apache Felix project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
Open Source Used In CSPC_Collector 2.9.1 8766

- Apache License 2.0
- BSD License

========================================================================

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects,
including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license
and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such
as the Unicode Character Database. See http://unicode.org/copyright.html for more
details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were
automatically generated with the moman/finenight FSA library, created by
Jean-Philippe Barrette-LaPierre. This library is available under an MIT license,
see http://sites.google.com/site/rettesite/moman and
http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from
the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0.
See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0
See http://junit.sourceforge.net/cpl-v10.html
This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin
g Package (jaspell): http://jaspell.sourceforge.net/
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
    analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
    analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
    http://snowball.tartarus.org/

The KStem stemmer in
    analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic, Persian, Romanian, Bulgarian, and Hindi analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
    analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
    analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
    analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
    analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil,
and Edmond Nolan.

The Polish analyzer (stempel) comes with a default
stopword list that is BSD-licensed created by the Carrot2 project. The file resides

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST), the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and fitness, in no event shall NAIST be liable for any special, indirect or consequential damages or any damages
whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortuous action, arising out of or in connection with the use or performance of this software.

A large portion of the dictionary entries originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the
production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

=========================================================================

The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/. The JSON simple jar file is licensed under the Apache 2.0 License. No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of Your accepting any such warranty or additional liability.
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.831 libffi 3.1 21.el8

1.831.1 Available under license:

libffi - Copyright (c) 1996-2014 Anthony Green, Red Hat, Inc and others. See source files for details.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
1.832 axiom-impl 1.2.15

1.832.1 Available under license:

Apache Axiom

Copyright 2004-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License” shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor” shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity” shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control” means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You” (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source” form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object” form shall mean any form resulting from mechanical transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of Your accepting any such warranty or additional liability.
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.833 multipath-tools 0.8.0-5.el8

1.834 glibc 2.28

1.834.1 Available under license :

/* _setjmp is implemented in setjmp.S */
@c The GNU Lesser General Public License.
@center Version 2.1, February 1999

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

@display
Copyright @copyright{} 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software---to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software---typically libraries---of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know
that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the @dfn{Lesser} General Public License because it does @emph{Less} to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a `work based on the library` and a `work that uses the library`. The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

@subheading TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@enumerate 0
@item
This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called `this License`). Each licensee is addressed as `you`.

A `library` means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The `Library`, below, refers to any such software library or work which has been distributed under these terms. A `work based on the Library` means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term `modification`.)

`Source code` for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.
@item
You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

@item
You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

@enumerate
@item
The modified work must itself be a software library.

@item
You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

@item
You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

@item
If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
@end enumerate
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

@item
A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

@item
As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

@enumerate a
@item
Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable `work that
uses the Library`, as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

@item
Use a suitable shared library mechanism for linking with the Library. A
suitable mechanism is one that (1) uses at runtime a copy of the
library already present on the user's computer system, rather than
copying library functions into the executable, and (2) will operate
properly with a modified version of the library, if the user installs
one, as long as the modified version is interface-compatible with the
version that the work was made with.

@item
Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

@item
If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

@item
Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.
@end enumerate

For an executable, the required form of the `work that uses the
Library` must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

@item
You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

@enumerate
@item
Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
@item
Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
@end enumerate

@item
You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

@item
You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

@item
Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

@item
If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

@item
If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

@item
The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and ``any later version'', you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

@item
If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

@center @b{NO WARRANTY}

@item
BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY ``AS IS'' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

@item
IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.
@end enumerate

@end subheading END OF TERMS AND CONDITIONS

@subheading How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
`copyright` line and a pointer to where the full notice is found.

@smallexample
@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year}  @var{name of author}

This library is free software; you can redistribute it and/or modify it
under the terms of the GNU Lesser General Public License as published by
the Free Software Foundation; either version 2.1 of the License, or (at
your option) any later version.

This library is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301,
USA.
@end smallexample

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a `copyright disclaimer` for the library, if
necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

Ty Coon, President of Vice

That's all there is to it!

Copyright 1992, 1993, 1994, 1997 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.

2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.

4. This notice may not be removed or altered.

/* setjmp is implemented in setjmp.S */

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The
former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

   These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

   Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

   In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This file contains the copying permission notices for various files in the
GNU C Library distribution that have copyright owners other than the Free
Software Foundation. These notices all require that a copy of the notice
be included in the accompanying documentation and be distributed with
binary distributions of the code, so be sure to include this file along
with any binary distributions derived from the GNU C Library.

All code incorporated from 4.4 BSD is distributed under the following
license:

Copyright (C) 1991 Regents of the University of California.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. [This condition was removed.]
4. Neither the name of the University nor the names of its contributors
may be used to endorse or promote products derived from this software
without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

The DNS resolver code, taken from BIND 4.9.5, is copyrighted by UC
Berkeley, by Digital Equipment Corporation and by Internet Software Consortium. The DEC portions are under the following license:

Portions Copyright (C) 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The ISC portions are under the following license:

Portions Copyright (c) 1996-1999 by Internet Software Consortium.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The Sun RPC support (from rpcsrc-4.0) is covered by the following license:

Copyright (c) 2010, Oracle America, Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.  
* Redistributions in binary form must reproduce the above 
copyright notice, this list of conditions and the following 
disclaimer in the documentation and/or other materials 
provided with the distribution.  
* Neither the name of the "Oracle America, Inc." nor the names of its 
contributors may be used to endorse or promote products derived 
from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS 
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT 
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS 
FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE 
COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, 
INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL 
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE 
GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS 
INTERUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, 
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING 
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE 
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following CMU license covers some of the support code for Mach, 
derived from Mach 3.0:

Mach Operating System  
All Rights Reserved.

Permission to use, copy, modify and distribute this software and its 
documentation is hereby granted, provided that both the copyright 
notice and this permission notice appear in all copies of the 
software, derivative works or modified versions, and any portions 
thereof, and that both notices appear in supporting documentation.

CARNEGIE MELLON ALLOWS FREE USE OF THIS SOFTWARE IN ITS ``AS IS'' 
CONDITION. CARNEGIE MELLON DISCLAIMS ANY LIABILITY OF ANY KIND FOR 
ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

Carnegie Mellon requests users of this software to return to

Software Distribution Coordinator  
School of Computer Science  
Carnegie Mellon University  
Pittsburgh PA 15213-3890

or Software.Distribution@CS.CMU.EDU any improvements or
extensions that they make and grant Carnegie Mellon the rights to redistribute these changes.

The file if_ppp.h is under the following CMU license:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY CARNEGIE MELLON UNIVERSITY AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE UNIVERSITY OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following license covers the files from Intel's "Highly Optimized Mathematical Functions for Itanium" collection:

Intel License Agreement

Copyright (c) 2000, Intel Corporation

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

* The name of Intel Corporation may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The files inet/getnameinfo.c and sysdeps/posix/getaddrinfo.c are copyright (C) by Craig Metz and are distributed under the following license:

/* The Inner Net License, Version 2.00

The author(s) grant permission for redistribution and use in source and binary forms, with or without modification, of the software and documentation provided that the following conditions are met:

0. If you receive a version of the software that is specifically labelled as not being for redistribution (check the version message and/or README), you are not permitted to redistribute that version of the software in any way or form.

1. All terms of the all other applicable copyrights and licenses must be followed.

2. Redistributions of source code must retain the authors' copyright notice(s), this list of conditions, and the following disclaimer.

3. Redistributions in binary form must reproduce the authors' copyright notice(s), this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.

4. [The copyright holder has authorized the removal of this clause.]

5. Neither the name(s) of the author(s) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ITS AUTHORS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

If these license terms cause you a real problem, contact the author. */

The file sunrpc/des_impl.c is copyright Eric Young:

Copyright (C) 1992 Eric Young
Collected from libdes and modified for SECURE RPC by Martin Kuck 1994
This file is distributed under the terms of the GNU Lesser General
Public License, version 2.1 or later - see the file COPYING.LIB for details.
If you did not receive a copy of the license with this program, please
see <http://www.gnu.org/licenses/> to obtain a copy.

The file inet/rcmd.c is under a UCB copyright and the following:

Copyright (C) 1998 WIDE Project.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors
may be used to endorse or promote products derived from this software
without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

The file posix/runtests.c is copyright Tom Lord:
Copyright 1995 by Tom Lord

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its
documentation for any purpose and without fee is hereby granted,
provided that the above copyright notice appear in all copies and that
both that copyright notice and this permission notice appear in
supporting documentation, and that the name of the copyright holder not be
used in advertising or publicity pertaining to distribution of the
software without specific, written prior permission.

Tom Lord DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,
INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO
EVENT SHALL TOM LORD BE LIABLE FOR ANY SPECIAL, INDIRECT OR
CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF
USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR
OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THIS SOFTWARE.

The posix/rxspencer tests are copyright Henry Spencer:

Copyright 1992, 1993, 1994, 1997 Henry Spencer. All rights reserved.
This software is not subject to any license of the American Telephone
and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on
any computer system, and to alter it and redistribute it, subject
to the following restrictions:

1. The author is not responsible for the consequences of use of this
software, no matter how awful, even if they arise from flaws in it.

2. The origin of this software must not be misrepresented, either by
explicit claim or by omission. Since few users ever read sources,
credits must appear in the documentation.

3. Altered versions must be plainly marked as such, and must not be
misrepresented as being the original software. Since few users
ever read sources, credits must appear in the documentation.

4. This notice may not be removed or altered.

The file posix/PCRE.tests is copyright University of Cambridge:

Copyright (c) 1997-2003 University of Cambridge

Permission is granted to anyone to use this software for any purpose on any
computer system, and to redistribute it freely, subject to the following restrictions:

1. This software is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

2. The origin of this software must not be misrepresented, either by explicit claim or by omission. In practice, this means that if you use PCRE in software that you distribute to others, commercially or otherwise, you must put a sentence like this somewhere reasonably visible in your documentation and in any relevant files or online help data or similar. A reference to the ftp site for the source, that is, to

ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre/

should also be given in the documentation. However, this condition is not intended to apply to whole chains of software. If package A includes PCRE, it must acknowledge it, but if package B is software that includes package A, the condition is not imposed on package B (unless it uses PCRE independently).

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software.

4. If PCRE is embedded in any software that is released under the GNU General Purpose Licence (GPL), or Lesser General Purpose Licence (LGPL), then the terms of that licence shall supersede any condition above with which it is incompatible.

Files from Sun fdlibm are copyright Sun Microsystems, Inc.:

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business. Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

Various long double libm functions are copyright Stephen L. Moshier:

Copyright 2001 by Stephen L. Moshier <moshier@na-net.orl.gov>
This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, see <http://www.gnu.org/licenses/>. */

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories http://www.unicode.org/Public/, http://www.unicode.org/reports/, and http://www.unicode.org/cldr/data/. Unicode Data Files do not include PDF online code charts under the directory http://www.unicode.org/Public/.


NOTICE TO USER: Carefully read the following legal agreement. BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright 1991-2013 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or
software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY
KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD
PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN
THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL
DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR
PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS
ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE
DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall
not be used in advertising or otherwise to promote the sale, use or other
dealings in these Data Files or Software without prior written authorization
of the copyright holder.
@c The GNU Free Documentation License.
@center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

@display
@uref{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
@end display

@enumerate 0
@item
PREAMBLE

The purpose of this License is to make a manual, textbook, or other
functional and useful document @dfn{free} in the sense of freedom: to
assure everyone the effective freedom to copy and redistribute it,
with or without modifying it, either commercially or noncommercially.
Secondarily, this License preserves for the author and publisher a way
to get credit for their work, while not being considered responsible
for modifications made by others.

This License is a kind of ``copyleft'', which means that derivative
works of the document must themselves be free in the same sense. It
complements the GNU General Public License, which is a copyleft
license designed for free software.

We have designed this License in order to use it for manuals for free
software, because free software needs free documentation: a free
program should come with manuals providing the same freedoms that the
software does. But this License is not limited to software manuals;
it can be used for any textual work, regardless of subject matter or
whether it is published as a printed book. We recommend this License
principally for works whose purpose is instruction or reference.

@item
APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that
contains a notice placed by the copyright holder saying it can be
distributed under the terms of this License. Such a notice grants a
world-wide, royalty-free license, unlimited in duration, to use that
work under the conditions stated herein. The "Document", below,
refers to any such manual or work. Any member of the public is a
licensee, and is addressed as "you". You accept the license if you
copy, modify or distribute the work in a way requiring permission
under copyright law.

A "Modified Version" of the Document means any work containing the
Document or a portion of it, either copied verbatim, or with
modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section
of the Document that deals exclusively with the relationship of the
publishers or authors of the Document to the Document's overall
subject (or to related matters) and contains nothing that could fall
directly within that overall subject. (Thus, if the Document is in
part a textbook of mathematics, a Secondary Section may not explain
any mathematics.) The relationship could be a matter of historical
connection with the subject or with related matters, or of legal,
commercial, philosophical, ethical or political position regarding
them.

The "Invariant Sections" are certain Secondary Sections whose titles
are designated, as being those of Invariant Sections, in the notice
that says that the Document is released under this License. If a
section does not fit the above definition of Secondary then it is not
allowed to be designated as Invariant. The Document may contain zero
Invariant Sections. If the Document does not identify any Invariant
Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed,
as Front-Cover Texts or Back-Cover Texts, in the notice that says that
the Document is released under this License. A Front-Cover Text may
be at most 5 words, and a Back-Cover Text may be at most 25 words.
A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, \LaTeX{} input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other
implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

Verbatim Copying

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

Copying in Quantity

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure
that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

A
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

State on the Title page the name of the publisher of the Modified Version, as the publisher.

Preserve all the copyright notices of the Document.

Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the
terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled ``History'', Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled ``History'' in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the ``History'' section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled ``Acknowledgements'' or ``Dedications'', Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled ``Endorsements''. Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled ``Endorsements'' or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.
In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item
TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the
original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

**TERMINATION**

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

**FUTURE REVISIONS OF THIS LICENSE**

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See
Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

RELICENSING

’’Massive Multiauthor Collaboration Site” (or ’’MMC Site”) means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A ’’Massive Multiauthor Collaboration” (or ”MMC”) contained in the site means any set of copyrightable works thus published on the MMC site.

’’CC-BY-SA” means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

’’Incorporate” means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is ’’eligible for relicensing” if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.
ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

```
@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".
@end group
@end smallexample
```

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with@dots{}Texts." line with this:

```
@smallexample
@group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample
```

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
1.835.1 Available under license:

GNU Free Documentation License
Version 1.3, 3 November 2008

<http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other
functional and useful document “free” in the sense of freedom: to
assure everyone the effective freedom to copy and redistribute it,
with or without modifying it, either commercially or noncommercially.
Secondarily, this License preserves for the author and publisher a way
to get credit for their work, while not being considered responsible
for modifications made by others.

This License is a kind of "copyleft", which means that derivative
works of the document must themselves be free in the same sense. It
complements the GNU General Public License, which is a copyleft
license designed for free software.

We have designed this License in order to use it for manuals for free
software, because free software needs free documentation: a free
program should come with manuals providing the same freedoms that the
software does. But this License is not limited to software manuals;
it can be used for any textual work, regardless of subject matter or
whether it is published as a printed book. We recommend this License
principally for works whose purpose is instruction or reference.

1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that
contains a notice placed by the copyright holder saying it can be
distributed under the terms of this License. Such a notice grants a
world-wide, royalty-free license, unlimited in duration, to use that
work under the conditions stated herein. The "Document", below,
refers to any such manual or work. Any member of the public is a
licensee, and is addressed as "you". You accept the license if you
copy, modify or distribute the work in a way requiring permission
under copyright law.

A "Modified Version" of the Document means any work containing the
Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A “Transparent” copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the
machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

3. COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the
Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

A. Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version.
if the original publisher of that version gives permission.
B. List on the Title Page, as authors, one or more persons or entities
responsible for authorship of the modifications in the Modified
Version, together with at least five of the principal authors of the
Document (all of its principal authors, if it has fewer than five),
unless they release you from this requirement.
C. State on the Title page the name of the publisher of the
Modified Version, as the publisher.
D. Preserve all the copyright notices of the Document.
E. Add an appropriate copyright notice for your modifications
adjacent to the other copyright notices.
F. Include, immediately after the copyright notices, a license notice
giving the public permission to use the Modified Version under the
terms of this License, in the form shown in the Addendum below.
G. Preserve in that license notice the full lists of Invariant Sections
and required Cover Texts given in the Document's license notice.
H. Include an unaltered copy of this License.
I. Preserve the section Entitled “History”, Preserve its Title, and add
to it an item stating at least the title, year, new authors, and
publisher of the Modified Version as given on the Title Page. If
there is no section Entitled “History” in the Document, create one
stating the title, year, authors, and publisher of the Document as
given on its Title Page, then add an item describing the Modified
Version as stated in the previous sentence.
J. Preserve the network location, if any, given in the Document for
public access to a Transparent copy of the Document, and likewise
the network locations given in the Document for previous versions
it was based on. These may be placed in the "History" section.
You may omit a network location for a work that was published at
least four years before the Document itself, or if the original
publisher of the version it refers to gives permission.
K. For any section Entitled "Acknowledgements" or "Dedications",
Preserve the Title of the section, and preserve in the section all
the substance and tone of each of the contributor acknowledgements
and/or dedications given therein.
L. Preserve all the Invariant Sections of the Document,
unaltered in their text and in their titles. Section numbers
or the equivalent are not considered part of the section titles.
M. Delete any section Entitled "Endorsements". Such a section
may not be included in the Modified Version.
N. Do not retitle any existing section to be Entitled "Endorsements"
or to conflict in title with any Invariant Section.
O. Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or
appendices that qualify as Secondary Sections and contain no material
copied from the Document, you may at your option designate some or all
of these sections as invariant. To do this, add their titles to the
list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements".
6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an “aggregate” if the copyright resulting from the compilation is not used to limit the legal rights of the compilation’s users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions
of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See http://www.gnu.org/copyleft/.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this
License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

11. RELICENSEING

"Massive Multiauthor Collaboration Site" (or "MMC Site") means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A "Massive Multiauthor Collaboration" (or "MMC") contained in the site means any set of copyrightable works thus published on the MMC site.

"CC-BY-SA" means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

"Incorporate" means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is "eligible for relicensing" if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (c) YEAR YOUR NAME.
Permission is granted to copy, distribute and/or modify this document
under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled “GNU Free Documentation License”.

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the “with...Texts.” line with this:

with the Invariant Sections being LIST THEIR TITLES, with the Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.
To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.
"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product,
theft cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.
If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:
a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third
However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if
the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the
covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single
combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read
@c The GNU Free Documentation License.
center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
c hence no sectioning command or @node.

display
@url{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
@end display

@enumerate 0
@item
PREAMBLE

The purpose of this License is to make a manual, textbook, or other
functional and useful document @dfn{free} in the sense of freedom: to
assure everyone the effective freedom to copy and redistribute it,
with or without modifying it, either commercially or noncommercially.
Secondarily, this License preserves for the author and publisher a way
to get credit for their work, while not being considered responsible
for modifications made by others.
This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.
The ``Cover Texts'' are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A ``Transparent'' copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not ``Transparent'' is called ``Opaque''.

Examples of suitable formats for Transparent copies include plain @sc{ascii} without markup, Texinfo input format, La@TeX{} input format, @acronym{SGML} or @acronym{XML} using a publicly available @acronym{DTD}, and standard-conforming simple @acronym{HTML}. PostScript or @acronym{PDF} designed for human modification. Examples of transparent image formats include @acronym{PNG}, @acronym{XCF} and @acronym{JPG}. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, @acronym{SGML} or @acronym{XML} for which the @acronym{DTD} and/or processing tools are not generally available, and the machine-generated @acronym{HTML}, PostScript or @acronym{PDF} produced by some word processors for output purposes only.

The ``Title Page'' means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, ``Title Page'' means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The ``publisher'' means any person or entity that distributes copies of the Document to the public.

A section ``Entitled XYZ'' means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as ``Acknowledgements'', ``Dedications'', ``Endorsements'', or ``History''.) To ``Preserve the Title'' of such a section when you modify the Document means that it remains a
section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item VERBATIM COPYING
You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item COPYING IN QUANTITY
If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent
copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

@item
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate
@item
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications
adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice
giving the public permission to use the Modified Version under the
terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections
and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled ``History'', Preserve its Title, and add
to it an item stating at least the title, year, new authors, and
publisher of the Modified Version as given on the Title Page. If
there is no section Entitled ``History'' in the Document, create one
stating the title, year, authors, and publisher of the Document as
given on its Title Page, then add an item describing the Modified
Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for
public access to a Transparent copy of the Document, and likewise
the network locations given in the Document for previous versions
it was based on. These may be placed in the ``History'' section.
You may omit a network location for a work that was published at
least four years before the Document itself, or if the original
publisher of the version it refers to gives permission.

@item
For any section Entitled ``Acknowledgements'' or ``Dedications'', Preserve
the Title of the section, and preserve in the section all the
substance and tone of each of the contributor acknowledgements and/or
dedications given therein.

@item
Preserve all the Invariant Sections of the Document,
unaltered in their text and in their titles. Section numbers
or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled ``Endorsements''. Such a section
may not be included in the Modified Version.
@item
Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but
different contents, make the title of each such section unique by
adding at the end of it, in parentheses, the name of the original
author or publisher of that section if known, or else a unique number.
Make the same adjustment to the section titles in the list of
Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled `"History"
in the various original documents, forming one section Entitled
"History"; likewise combine any sections Entitled `"Acknowledgements",
and any sections Entitled `"Dedications". You must delete all
sections Entitled `"Endorsements."

@item	COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents
released under this License, and replace the individual copies of this
License in the various documents with a single copy that is included in
the collection, provided that you follow the rules of this License for
verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute
it individually under this License, provided you insert a copy of this
License into the extracted document, and follow this License in all
other respects regarding verbatim copying of that document.

@item	AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate
and independent documents or works, in or on a volume of a storage or
distribution medium, is called an `"aggregate" if the copyright
resulting from the compilation is not used to limit the legal rights
of the compilation's users beyond what the individual works permit.
When the Document is included in an aggregate, this License does not
apply to the other works in the aggregate which are not themselves
derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these
copies of the Document, then if the Document is less than one half of
the entire aggregate, the Document's Cover Texts may be placed on
covers that bracket the Document within the aggregate, or the
electronic equivalent of covers if the Document is in electronic form.
Otherwise they must appear on printed covers that bracket the whole
aggregate.

@item	TRANSLATION
Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

RELICENSING

``Massive Multiauthor Collaboration Site” (or `"MMC Site”) means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A `"Massive Multiauthor Collaboration” (or `"MMC”) contained in the site means any set of copyrightable works thus published on the MMC site.

`"CC-BY-SA” means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

`"Incorporate” means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is `"eligible for relicensing” if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site
under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page
@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the `\`with@dots{}Texts." line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

See the file COPYING in the bash distribution root directory for copying and usage restrictions.

The file ifs-posix.tests is Copyright (C) 2005 Glen Fowler.

1.836 cglib 2.2.2

1.836.1 Available under license:

========================================================================
== NOTICE file corresponding to the section 4 d of ==
== the Apache License, Version 2.0, ==
== in this case for the Apache Ant distribution. ==
========================================================================

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

This product includes also software developed by:
- the W3C consortium (http://www.w3c.org),
- the SAX project (http://www.saxproject.org)

Please read the different LICENSE files present in the root directory of
this distribution.

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0//EN">
<html>
<head>
<title>Common Public License - v 1.0</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head>

<body bgcolor="#FFFFFF" vlink="#800000">

<p align="center"><b>Common Public License - v 1.0</b></p>
<p>THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.</p>
<p>1. DEFINITIONS</p>
`````
<UL><FONT SIZE="2">a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and<BR CLEAR="LEFT">b) in the case of each subsequent Contributor:</FONT></UL>

<UL><FONT SIZE="2">i) changes to the Program, and</FONT></UL>

<UL><FONT SIZE="2">ii) additions to the Program;</FONT></UL>

<UL><FONT SIZE="2">where such changes and/or additions to the Program originate from and are distributed by that particular Contributor.  </FONT><FONT SIZE="2">A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf.  </FONT><FONT SIZE="2">Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.  </FONT></UL>

<P><FONT SIZE="2"></FONT>

<P><FONT SIZE="2"></FONT><FONT SIZE="2">"Contributor" means any person or entity that distributes the Program.</FONT>

<P><FONT SIZE="2"></FONT><FONT SIZE="2">"Licensed Patents " mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.  </FONT>

<P><FONT SIZE="2"></FONT><FONT SIZE="2">"Program" means the Contributions distributed in accordance with this Agreement.  </FONT>

<P><FONT SIZE="2"></FONT><FONT SIZE="2">"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.  </FONT>

<P><FONT SIZE="2"></FONT><FONT SIZE="2">2. GRANT OF RIGHTS</FONT>

<UL><FONT SIZE="2">a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.  </FONT></UL>

<UL><FONT SIZE="2">b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and
object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the
time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be
covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the
Contribution. No hardware per se is licensed hereunder.  </font></UL>

<UL><FONT SIZE="2"></FONT></UL>

<UL><FONT SIZE="2">c)Recipient understands that although each Contributor grants the licenses to its
Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the
patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient
for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a
condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility
to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required
to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing
the Program. </font></UL>

<UL><FONT SIZE="2"></FONT></UL>

<UL><FONT SIZE="2">d)Each Contributor represents that to its knowledge it has sufficient copyright rights in its
Contribution, if any, to grant the copyright license set forth in this Agreement. </font></UL>

<UL><FONT SIZE="2"></FONT></UL>

<UL><FONT SIZE="2"><P><FONT SIZE="2"><B>3. REQUIREMENTS</B></FONT></UL>

<A Contributor may choose to distribute the Program in object code form under its
own license agreement, provided that:</font></A>

<UL><FONT SIZE="2">a)it complies with the terms and conditions of this Agreement; and</font></UL>

<UL><FONT SIZE="2">b)its license agreement:</font></UL>

<UL><FONT SIZE="2">i)effectively disclaims</font><FONT SIZE="2"> on behalf of all Contributors all
warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and
implied warranties or conditions of merchantability and fitness for a particular purpose; </font></UL>

<UL><FONT SIZE="2">ii) effectively excludes on behalf of all Contributors all liability for damages, including
direct, indirect, special, incidental and consequential damages, such as lost profits; </font></UL>

<UL><FONT SIZE="2">iii)states that any provisions which differ from this
<UL><FONT SIZE="2" COLOR="#0000FF" COLOR="#FF0000"></font></UL>

<UL><FONT SIZE="2" COLOR="#FF0000"></font></UL>

<UL><FONT SIZE="2">a) it must be made available under this Agreement; and</FONT></UL>

<UL><FONT SIZE="2">b) a copy of this Agreement must be included with each copy of the Program.</FONT></UL>

<UL><FONT SIZE="2"><P>Contributors may not remove or alter any copyright notices contained within the Program.</P></FONT></UL>

<UL><FONT SIZE="2"><P>Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.</P></FONT></UL>

<UL><FONT SIZE="2"><P><B>4. COMMERCIAL DISTRIBUTION</B></P></FONT></UL>

<UL><FONT SIZE="2"><P>Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.</P></FONT></UL>

<UL><FONT SIZE="2"><P>For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.</P></FONT></UL>
5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable. If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed. All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions.
Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.
getActionsmatches(Ljava/security/Permission;)ZpermLjava/security/Permission;assizeIparseActions#(Ljava/lang/Str
ing;);Ljava/util/Set;resultLjava/util/StringTokenizer;itemtoString
SourceFilePermissions.java./z{;()*)+)|}HI,-~>;*@;F}java/util/HashSetjava/util/StringTokenizer,.;java/lang/StringBufferPermission:  ("","")N;1org/apache/tools/ant/types/Permissions$Permissionjava/lang/Objectjava/lang/Stringtrimlength()Ljava/lang/Class;java/lang/Classequals(Ljava/lang/Object;)ZendsWith(Ljava/lang/String;)Zjava/security/Permission
substring(II)Ljava/lang/String;
startsWith
java/util/Set	removeAll(Ljava/util/Collection;)Z'(Ljava/lang/String;Ljava/lang/String;)V	nextTokenadd
hasMoreTokens()Zappend,(Ljava/lang/String;)Ljava/lang/StringBuffer;,(Ljava/lang/Object;)Ljava/lang/StringBuffer
;org/apache/tools/ant/types/Permissions!&'()*)+),./0/*1236780A*+1
2369):(0/*1236<80A*+1
236=>:0/*1236?80V*+++*+1236,)@;0/*1236AB0*+
*<*
+*d*++++M,>*W,1>&ACQ S%Z&c'j(u)+/2*36CDcE-jFGHI0;YMY+N-;W-,1"789;)<299?24;36;;3J-(KLM)N;0^4Y * ! * " #S %1F24360P5
&w4
ASM: a very small and fast Java bytecode manipulation framework
Copyright (c) 2000,2002,2003 INRIA, France Telecom
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holders nor the names of its
contributors may be used to endorse or promote products derived from
this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
THE POSSIBILITY OF SUCH DAMAGE.
/*
 * Apache License
 * Version 2.0, January 2004

Open Source Used In CSPC_Collector 2.9.1  8869
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation, source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally

http://www.apache.org/licenses/
* submitted to Licensor for inclusion in the Work by the copyright owner
* or by an individual or Legal Entity authorized to submit on behalf of
* the copyright owner. For the purposes of this definition, "submitted"
* means any form of electronic, verbal, or written communication sent
* to the Licensor or its representatives, including but not limited to
* communication on electronic mailing lists, source code control systems,
* and issue tracking systems that are managed by, or on behalf of, the
* Licensor for the purpose of discussing and improving the Work, but
* excluding communication that is conspicuously marked or otherwise
* designated in writing by the copyright owner as "Not a Contribution."

* "Contributor" shall mean Licensor and any individual or Legal Entity
* on behalf of whom a Contribution has been received by Licensor and
* subsequently incorporated within the Work.

* 2. Grant of Copyright License. Subject to the terms and conditions of
* this License, each Contributor hereby grants to You a perpetual,
* worldwide, non-exclusive, no-charge, royalty-free, irrevocable
* copyright license to reproduce, prepare Derivative Works of,
* publicly display, publicly perform, sublicense, and distribute the
* Work and such Derivative Works in Source or Object form.

* 3. Grant of Patent License. Subject to the terms and conditions of
* this License, each Contributor hereby grants to You a perpetual,
* worldwide, non-exclusive, no-charge, royalty-free, irrevocable
* (except as stated in this section) patent license to make, have made,
* use, offer to sell, sell, import, and otherwise transfer the Work,
* where such license applies only to those patent claims licensable
* by such Contributor that are necessarily infringed by their
* Contribution(s) alone or by combination of their Contribution(s)
* with the Work to which such Contribution(s) was submitted. If You
* institute patent litigation against any entity (including a
* cross-claim or counterclaim in a lawsuit) alleging that the Work
* or a Contribution incorporated within the Work constitutes direct
* or contributory patent infringement, then any patent licenses
* granted to You under this License for that Work shall terminate
* as of the date such litigation is filed.

* 4. Redistribution. You may reproduce and distribute copies of the
* Work or Derivative Works thereof in any medium, with or without
* modifications, and in Source or Object form, provided that You
* meet the following conditions:

* (a) You must give any other recipients of the Work or
* Derivative Works a copy of this License; and

* (b) You must cause any modified files to carry prominent notices
* stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS,

WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "["]
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at
 TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

1.837 perl 1.38-416.el8

1.837.1 Available under license :

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written
permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\n  Module-Build mailing list at <module-build@perl.org>.'
buildRequires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
version: 3

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a
Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or
an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called "undump" or "unexec" methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it
fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.

7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package's interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make
sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.
2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

   d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

   a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

   b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

   c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is
allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA  02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the
commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your
program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!
This software is copyright (c) 2017 by Ken Williams.

This is free software; you can redistribute it and/or modify it under
the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free
   Software Foundation; either version 1, or (at your option) any
   later version, or
b) the "Artistic License"
--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 2017 by Ken Williams.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an
announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties
remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 2017 by Ken Williams.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for
the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media
cost, duplication charges, time of people involved, and so on. (You will
not be required to justify it to the Copyright Holder, but only to the
computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though
there may be fees involved in handling the item. It also means that
recipients of the item may redistribute it under the same conditions they
received it.

1. You may make and give away verbatim copies of the source form of the
Standard Version of this Package without restriction, provided that you
duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived
from the Public Domain or from the Copyright Holder. A Package modified in such
a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that
you insert a prominent notice in each changed file stating how and when you
changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them
      Freely Available, such as by posting said modifications to Usenet or an
equivalent medium, or placing the modifications on a major archive site
such as ftp.uu.net, or by allowing the Copyright Holder to include your
modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with
      standard executables, which must also be provided, and provide a separate
      manual page for each non-standard executable that clearly documents how it
differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable
form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files,
      together with instructions (in the manual page or equivalent) on where to
get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package
with your modifications.
c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End
#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.
use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "
    my $copyright_msg = <$readme>

    my ($year) = $copyright_msg =~ /.*\d{4,}/s
    or die "Year not found in README copyright message $copyright_msg";

    $year;
}
sub v_year
# returns the latest copyright year shown in perl -v
{
my $output = runperl switches => ['-v'];
my ($year) = $output =~ /copyright 1987.*\d{4,}$/i
or die "Copyright statement not found in perl -v output '$output'";
$year;
}

1.838 jersey-common 2.22.2
1.838.1 Available under license:
CDDL+GPL License
http://glassfish.java.net/public/CDDL+GPL_1_1.html

1.839 perl-unicode-normalize 1.25 396.el8
1.839.1 Available under license:
Terms of Perl itself
a) the GNU General Public License as published by the Free
   Software Foundation; either version 1, or (at your option) any
   later version, or
b) the "Artistic License"

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.
Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.
d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End
This program is free software; you may redistribute and/or modify it under the terms of either:

a) the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version,

or

b) the "BSD-style License" included below.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See either the GNU General Public License or the BSD-style License below for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

The BSD-style License is as follows:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain this LICENSE.FlashPoint file, without modification, this list of conditions, and the following disclaimer. The following copyright notice must appear immediately at the beginning of all source files:

   Copyright 1995-1996 by Mylex Corporation. All Rights Reserved

   This file is available under both the GNU General Public License and a BSD-style copyright; see LICENSE.FlashPoint for details.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of Mylex Corporation may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY MYLEX CORP. "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2009-2013 QLogic Corporation
QLogic Linux qlcnic NIC Driver

You may modify and redistribute the device driver code under the GNU General Public License (a copy of which is attached hereto as Exhibit A) published by the Free Software Foundation (version 2).

EXHIBIT A

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".

Open Source Used In CSPC_Collector 2.9.1 8909
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year  name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w` and `show c` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w` and `show c`; they could even be mouse-clicks or menu items—whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision` (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

Valid-License-Identifier: BSD-3-Clause
SPDX-URL: https://spdx.org/licenses/BSD-3-Clause.html
Usage-Guide:
To use the BSD 3-clause "New" or "Revised" License put the following SPDX tag/value pair into a comment according to the placement guidelines in the licensing rules documentation:
   SPDX-License-Identifier: BSD-3-Clause
License-Text:

Copyright (c) <year> <owner> . All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
Copyright (C) 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some
specially designated Free Software Foundation software, and to any
other libraries whose authors decide to use it. You can use it for
your libraries, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if
you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link a program with the library, you must provide
complete object files to the recipients so that they can relink them
with the library, after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright
the library, and (2) offer you this license which gives you legal
permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain
that everyone understands that there is no warranty for this free
library. If the library is modified by someone else and passed on, we
want its recipients to know that what they have is not the original
version, so that any problems introduced by others will not reflect on
the original authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that companies distributing free
software will individually obtain patent licenses, thus in effect
transforming the program into proprietary software. To prevent this,
we have made it clear that any patent must be licensed for everyone's
free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary
GNU General Public License, which was designed for utility programs. This
license, the GNU Library General Public License, applies to certain
designated libraries. This license is quite different from the ordinary
one; be sure to read it in full, and don't assume that anything in it is
the same as in the ordinary license.

The reason we have a separate public license for some libraries is that
they blur the distinction we usually make between modifying or adding to a
program and simply using it. Linking a program with a library, without
changing the library, is in some sense simply using the library, and is
analogous to running a utility program or application program. However, in
a textual and legal sense, the linked executable is a combined work, a
derivative of the original library, and the ordinary General Public License
treats it as such.

Because of this blurred distinction, using the ordinary General
Public License for libraries did not effectively promote software
sharing, because most developers did not use the libraries. We
concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the
users of those programs of all benefit from the free status of the
libraries themselves. This Library General Public License is intended to
permit developers of non-free programs to use free libraries, while
preserving your freedom as a user of such programs to change the free
libraries that are incorporated in them. (We have not seen how to achieve
this as regards changes in header files, but we have achieved it as regards
changes in the actual functions of the Library.) The hope is that this
will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and
modification follow. Pay close attention to the difference between a
"work based on the library" and a "work that uses the library". The
former contains code derived from the library, while the latter only
works together with the library.

Note that it is possible for a library to be covered by the ordinary
General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above
specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991
Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA  02111-1307  USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

  Gnomovision version 69, Copyright (C) year name of author
  Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
  This is free software, and you are welcome to redistribute it
  under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

  Yoyodyne, Inc., hereby disclaims all copyright interest in the program
  `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General Public License instead of this License.

Copyright (c) 2003-2013 QLogic Corporation

QLogic Linux iSCSI Driver

This program includes a device driver for Linux 3.x.
You may modify and redistribute the device driver code under the GNU General Public License (a copy of which is attached hereto as Exhibit A) published by the Free Software Foundation (version 2).

EXHIBIT A

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * 
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 *interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 *and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 *loss of link, and correctly re-enable PHY when link is
 *re-established. (put back CFG_PHYIE)
 * 
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 * 
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 * 
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 * 
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
 * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 * Fix is simple: make large buffers large enough to hold entire
 * SDU, and leave <small_buffer_data> bytes empty at the start. Then
 * copy small buffer contents to head of large buffer.
 * Trick is to avoid fragmenting Linux, due to need for a lot of large
 * buffers. This is done by 2 things:
 * 1) skb->destructor / skb->atm.recycle_buffer
 * combined, allow nicstar_free_rx_skb to be called to
 * recycle large data buffers
 * 2) skb_clone of received buffers
 * See nicstar_free_rx_skb and linearize_buffer for implementation
 * details.
 * 
 * Copyright (c) 1996 University of Cambridge Computer Laboratory
 * 
 * This program is free software; you can redistribute it and/or modify
 * it under the terms of the GNU General Public License as published by
* the Free Software Foundation; either version 2 of the License, or
* (at your option) any later version.
*
* This program is distributed in the hope that it will be useful,
* but WITHOUT ANY WARRANTY; without even the implied warranty of
* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
* GNU General Public License for more details.
*
* You should have received a copy of the GNU General Public License
* along with this program; if not, write to the Free Software
* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
*
* M. Welsh, 6 July 1996
*
*
*/

Code in this directory written at the IDA Supercomputing Research Center carries the following copyright and license.

Copyright 1993 United States Government as represented by the Director, National Security Agency. This software may be used and distributed according to the terms of the GNU General Public License, incorporated herein by reference.

In addition to the disclaimers in the GPL, SRC expressly disclaims any and all warranties, expressed or implied, concerning the enclosed software. This software was developed at SRC for use in internal research, and the intent in sharing this software is to promote the productive interchange of ideas throughout the research community. All software is furnished on an "as-is" basis. No further updates to this software should be expected. Although updates may occur, no commitment exists.

This software program is licensed subject to the GNU General Public License (GPL). Version 2, June 1991, available at <http:

GNU General Public License

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place - Suite 330, Boston, MA 02111-1307, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is included without limitation in the term "modification".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

* a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

* b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

* c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such
an announcement, your work based on the Program is not required to
print an announcement.)

These requirements apply to the modified work as a whole. If identifiable
sections of that work are not derived from the Program, and can be
reasonably considered independent and separate works in themselves, then
this License, and its terms, do not apply to those sections when you
distribute them as separate works. But when you distribute the same
sections as part of a whole which is a work based on the Program, the
distribution of the whole must be on the terms of this License, whose
permissions for other licensees extend to the entire whole, and thus to
each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of a
storage or distribution medium does not bring the other work under the
scope of this License.

3. You may copy and distribute the Program (or a work based on it, under
Section 2) in object code or executable form under the terms of Sections
1 and 2 above provided that you also do one of the following:

* a) Accompany it with the complete corresponding machine-readable source
code, which must be distributed under the terms of Sections 1 and 2
above on a medium customarily used for software interchange; or,

* b) Accompany it with a written offer, valid for at least three years,
to give any third party, for a charge no more than your cost of
physically performing source distribution, a complete machine-
readable copy of the corresponding source code, to be distributed
under the terms of Sections 1 and 2 above on a medium customarily
used for software interchange; or,

* c) Accompany it with the information you received as to the offer to
distribute corresponding source code. (This alternative is allowed
only for noncommercial distribution and only if you received the
program in object code or executable form with such an offer, in
accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source code
means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to control
compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from
distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the program's name and an idea of what it does.
Copyright (C) yyyy name of author

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.
You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'. This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

Copyright (c) 2003-2006, Marvell International Ltd.
All Rights Reserved

This program is free software; you can redistribute it and/or modify it under the terms of version 2 of the GNU General Public License as published by the Free Software Foundation.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59
QLogic Linux Networking HBA Driver

This program includes a device driver for Linux 2.6 that may be distributed with QLogic hardware specific firmware binary file. You may modify and redistribute the device driver code under the GNU General Public License as published by the Free Software Foundation (version 2 or a later version).

You may redistribute the hardware specific firmware binary file under the following terms:

1. Redistribution of source code (only if applicable), must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistribution in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of QLogic Corporation may not be used to endorse or promote products derived from this software without specific prior written permission.

REGARDLESS OF WHAT LICENSING MECHANISM IS USED OR APPLICABLE, THIS PROGRAM IS PROVIDED BY QLOGIC CORPORATION "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

USER ACKNOWLEDGES AND AGREES THAT USE OF THIS PROGRAM WILL NOT CREATE OR GIVE GROUNDS FOR A LICENSE BY IMPLICATION, ESTOPPEL, OR OTHERWISE IN ANY INTELLECTUAL PROPERTY RIGHTS (PATENT, COPYRIGHT, TRADE SECRET, MASK WORK, OR OTHER PROPRIETARY RIGHT) EMBODIED IN ANY OTHER QLOGIC HARDWARE OR SOFTWARE EITHER SOLELY OR IN COMBINATION WITH THIS PROGRAM.

The Linux Kernel is provided under:
SPDX-License-Identifier: GPL-2.0 WITH Linux-syscall-note

Being under the terms of the GNU General Public License version 2 only, according with:

LICENSES/preferred/GPL-2.0

With an explicit syscall exception, as stated at:

LICENSES/exceptions/Linux-syscall-note

In addition, other licenses may also apply. Please see:

Documentation/process/license-rules.rst

for more details.
The files in this directory and elsewhere which refer to this LICENCE file are part of JFFS2, the Journalling Flash File System v2.

Copyright 2001-2007 Red Hat, Inc. and others

JFFS2 is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 or (at your option) any later version.

JFFS2 is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with JFFS2; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA.

As a special exception, if other files instantiate templates or use macros or inline functions from these files, or you compile these files and link them with other works to produce a work based on these files, these files do not by themselves cause the resulting work to be covered by the GNU General Public License. However the source code for these files must still be made available in accordance with section (3) of the GNU General Public License.

This exception does not invalidate any other reasons why a work based on this file might be covered by the GNU General Public License.

Valid-License-Identifier: MIT

SPDX-URL: https://spdx.org/licenses/MIT.html
Usage-Guide:
To use the MIT License put the following SPDX tag/value pair into a comment according to the placement guidelines in the licensing rules documentation:
SPDX-License-Identifier: MIT
License-Text:

MIT License

Copyright (c) <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Valid-License-Identifier: BSD-2-Clause
SPDX-URL: https://spdx.org/licenses/BSD-2-Clause.html
Usage-Guide:
To use the BSD 2-clause "Simplified" License put the following SPDX tag/value pair into a comment according to the placement guidelines in the licensing rules documentation:
SPDX-License-Identifier: BSD-2-Clause
License-Text:

Copyright (c) <year> <owner> . All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

SPDX-Exception-Identifier: Linux-syscall-note
SPDX-URL: https://spdx.org/licenses/Linux-syscall-note.html
SPDX-Licenses: GPL-2.0, GPL-2.0+, GPL-1.0+, LGPL-2.0, LGPL-2.0+, LGPL-2.1, LGPL-2.1+, GPL-2.0-only,
GPL-2.0-or-later
Usage-Guide:
This exception is used together with one of the above SPDX-Licenses
to mark user space API (uapi) header files so they can be included
into non GPL compliant user space application code.
To use this exception add it with the keyword WITH to one of the
identifiers in the SPDX-Licenses tag:
   SPDX-License-Identifier: <SPDX-License> WITH Linux-syscall-note
License-Text:

NOTE! This copyright does *not* cover user programs that use kernel
services by normal system calls - this is merely considered normal use
of the kernel, and does *not* fall under the heading of "derived work".
Also note that the GPL below is copyrighted by the Free Software
Foundation, but the instance of code that it refers to (the Linux
kernel) is copyrighted by me and others who actually wrote it.

Also note that the only valid version of the GPL as far as the kernel
is concerned is _this_ particular version of the license (ie v2, not
v2.2 or v3.x or whatever), unless explicitly otherwise stated.

Linus Torvalds
Valid-License-Identifier: BSD-3-Clause-Clear
SPDX-URL: https://spdx.org/licenses/BSD-3-Clause-Clear.html
Usage-Guide:
To use the BSD 3-clause "Clear" License put the following SPDX
tag/value pair into a comment according to the placement guidelines in
the licensing rules documentation:
   SPDX-License-Identifier: BSD-3-Clause-Clear
License-Text:

The Clear BSD License

Copyright (c) [xxxx]-[xxxx] [Owner Organization]
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted (subject to the limitations in the disclaimer below) provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of [Owner Organization] nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

NO EXPRESS OR IMPLIED LICENSES TO ANY PARTY’S PATENT RIGHTS ARE GRANTED BY THIS LICENSE. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS “AS IS” AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2003-2014 QLogic Corporation
QLogic Linux FC-FCoE Driver

This program includes a device driver for Linux 3.x.
You may modify and redistribute the device driver code under the GNU General Public License (a copy of which is attached hereto as Exhibit A) published by the Free Software Foundation (version 2).

EXHIBIT A

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.
The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Copyright (c) 2003-2011 QLogic Corporation
QLogic Linux qlge NIC Driver

You may modify and redistribute the device driver code under the GNU General Public License (a copy of which is attached hereto as Exhibit A) published by the Free Software Foundation (version 2).

EXHIBIT A

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.
The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Valid-License-Identifier: Linux-OpenIB
SPDX-URL: https://spdx.org/licenses/Linux-OpenIB.html
Usage-Guide:
To use the Linux Kernel Variant of OpenIB.org license put the following SPDX tag/value pair into a comment according to the placement guidelines in the licensing rules documentation:
   SPDX-License-Identifier: Linux-OpenIB
License-Text:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.841 libsvolv 0.7.11 1.el8

1.841.1 Available under license:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of Novell nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

All files for the Windows compatibility layer are taken from musl, except for unistd.h and fnmopen.c.

MUSL

musl as a whole is licensed under the following standard MIT license:
Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to
the following conditions:

The above copyright notice and this permission notice shall be
included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

TRE (tre.h, tre-mem.c)

The TRE regular expression implementation (reg* and
tre*) is Copyright 2001-2008 Ville Laurikari and licensed
under a 2-clause BSD license (license text in the source files). The
included version has been heavily modified by Rich Felker in 2012, in
the interests of size, simplicity, and namespace cleanliness.

This is the license, copyright notice, and disclaimer for TRE, a regex
matching package (library and tools) with support for approximate
matching.

Copyright (c) 2001-2009 Ville Laurikari <vl@iki.fi>
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.842 popt 1.16 14.el8

1.842.1 Available under license:
Copyright (c) 1998 Red Hat Software

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN
AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be
used in advertising or otherwise to promote the sale, use or other dealings
in this Software without prior written authorization from the X Consortium.

1.843 glibc 2.28 127.el8
1.843.1 Available under license:
@c The GNU Lesser General Public License.
@center Version 2.1, February 1999
@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

display
Copyright © 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence the
version number 2.1.]
@end display

@subheading Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software---to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software---typically libraries---of the Free
Software Foundation and other authors who decide to use it. You can use
it too, but we suggest you first think carefully about whether this
license or the ordinary General Public License is the better strategy to
use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of it
in new free programs; and that you are informed that you can do these
things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the **Lesser** General Public License because it does **Less** to protect the user's freedom than the ordinary General Public License. It also provides other free software developers **Less** of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a ``work based on the library'' and a ``work that uses the library''. The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

@subheading TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@enumerate 0
@item
This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called ``this License''). Each licensee is addressed as ``you''.

A ``library'' means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The ``Library'', below, refers to any such software library or work which has been distributed under these terms. A ``work based on the Library'' means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term ``modification''.)

``Source code'' for a work means the preferred form of the work for
making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- The modified work must itself be a software library.
- You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.
This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

@item
You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

@item
A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

- Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

- Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

- If distribution of the work is made by offering access to copy...
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

- Item
  Verify that the user has already received a copy of these
  materials or that you have already sent this user a copy.
  @end enumerate

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies the
executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

- Item
  You may place library facilities that are a work based on the
  Library side-by-side in a single library together with other library
  facilities not covered by this License, and distribute such a combined
  library, provided that the separate distribution of the work based on
  the Library and of the other library facilities is otherwise
  permitted, and provided that you do these two things:

  @enumerate a
  @item
  Accompany the combined library with a copy of the same work
  based on the Library, uncombined with any other library
  facilities. This must be distributed under the terms of the
  Sections above.
  @item
  Give prominent notice with the combined library of the fact
  that part of it is a work based on the Library, and explaining
  where to find the accompanying uncombined form of the same work.
  @end enumerate

- Item
  You may not copy, modify, sublicense, link with, or distribute
  the Library except as expressly provided under this License. Any
  attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

@item
You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

@item
Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

@item
If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

@item If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

@item The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

@item If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

@center @b{NO WARRANTY}

@item BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY ``AS IS'' WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the `copyright' line and a pointer to where the full notice is found.

``copyright' line and a pointer to where the full notice is found.

Example

Copyright (C) [year] [name of author]

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.
You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301,
USA.
@end smallexample

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a ``copyright disclaimer'' for the library, if
necessary. Here is a sample; alter the names:

@end smallexample

Yoyodyne, Inc., hereby disclaims all copyright interest in the library
`Frob' (a library for tweaking knobs) written by James Random Hacker.

@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample

That's all there is to it!

Copyright 1992, 1993, 1994, 1997 Henry Spencer. All rights reserved.
This software is not subject to any license of the American Telephone
and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on
any computer system, and to alter it and redistribute it, subject
to the following restrictions:

1. The author is not responsible for the consequences of use of this
software, no matter how awful, even if they arise from flaws in it.

2. The origin of this software must not be misrepresented, either by
explicit claim or by omission. Since few users ever read sources,
credits must appear in the documentation.

3. Altered versions must be plainly marked as such, and must not be
misrepresented as being the original software. Since few users
ever read sources, credits must appear in the documentation.

4. This notice may not be removed or altered.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies

Open Source Used In CSPC_Collector 2.9.1 8986
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.
The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>
This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

   Gnomovision version 69, Copyright (C) year name of author
   Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
   This is free software, and you are welcome to redistribute it
   under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

   Yoyodyne, Inc., hereby disclaims all copyright interest in the program
   `Gnomovision' (which makes passes at compilers) written by James Hacker.

   <signature of Ty Coon>, 1 April 1989
   Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
   Version 2.1, February 1999
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.
To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in
non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users’ freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library’s complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

This file contains the copying permission notices for various files in the GNU C Library distribution that have copyright owners other than the Free Software Foundation. These notices all require that a copy of the notice be included in the accompanying documentation and be distributed with binary distributions of the code, so be sure to include this file along with any binary distributions derived from the GNU C Library.

All code incorporated from 4.4 BSD is distributed under the following license:

Copyright (C) 1991 Regents of the University of California.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. [This condition was removed.]  
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE 
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE 
ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE 
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL 
 DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS 
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) 
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT 
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY 
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF 
SUCH DAMAGE.

The DNS resolver code, taken from BIND 4.9.5, is copyrighted by UC 
Berkeley, by Digital Equipment Corporation and by Internet Software 
Consortium. The DEC portions are under the following license:

Portions Copyright (C) 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any 
purpose with or without fee is hereby granted, provided that the above 
copyright notice and this permission notice appear in all copies, and 
that the name of Digital Equipment Corporation not be used in 
advertising or publicity pertaining to distribution of the document or 
software without specific, written prior permission.

THE SOFTWARE IS PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. 
DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL 
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL 
DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, 
INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING 
FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, 
NEGligence OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION 
WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The ISC portions are under the following license:

Portions Copyright (c) 1996-1999 by Internet Software Consortium.

Permission to use, copy, modify, and distribute this software for any 
purpose with or without fee is hereby granted, provided that the above 
copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS 
ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES 
OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE 
CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL 
 DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR 
PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS 
ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS
SOFTWARE.

The Sun RPC support (from rpcsrc-4.0) is covered by the following license:

Copyright (c) 2010, Oracle America, Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of the "Oracle America, Inc." nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following CMU license covers some of the support code for Mach, derived from Mach 3.0:

Mach Operating System
All Rights Reserved.

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof, and that both notices appear in supporting documentation.
CARNEGIE MELLON ALLOWS FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION. CARNEGIE MELLON DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

Carnegie Mellon requests users of this software to return to

Software Distribution Coordinator
School of Computer Science
Carnegie Mellon University
Pittsburgh PA 15213-3890

or Software.Distribution@CS.CMU.EDU any improvements or extensions that they make and grant Carnegie Mellon the rights to redistribute these changes.

The file if_ppp.h is under the following CMU license:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY CARNEGIE MELLON UNIVERSITY AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE UNIVERSITY OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following license covers the files from Intel's "Highly Optimized Mathematical Functions for Itanium" collection:

Intel License Agreement

Copyright (c) 2000, Intel Corporation
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* The name of Intel Corporation may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The files inet/getnameinfo.c and sysdeps/posix/getaddrinfo.c are copyright (C) by Craig Metz and are distributed under the following license:

/* The Inner Net License, Version 2.00

The author(s) grant permission for redistribution and use in source and binary forms, with or without modification, of the software and documentation provided that the following conditions are met:

0. If you receive a version of the software that is specifically labelled as not being for redistribution (check the version message and/or README), you are not permitted to redistribute that version of the software in any way or form.
1. All terms of the all other applicable copyrights and licenses must be followed.
2. Redistributions of source code must retain the authors' copyright notice(s), this list of conditions, and the following disclaimer.
3. Redistributions in binary form must reproduce the authors' copyright
notice(s), this list of conditions, and the following disclaimer in the
documentation and/or other materials provided with the distribution.
4. [The copyright holder has authorized the removal of this clause.]
5. Neither the name(s) of the author(s) nor the names of its contributors
may be used to endorse or promote products derived from this software
without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ITS AUTHORS AND CONTRIBUTORS ``AS IS'' AND ANY
EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE LIABLE FOR ANY
DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

If these license terms cause you a real problem, contact the author. */

The file sunrpc/des_impl.c is copyright Eric Young:

Copyright (C) 1992 Eric Young
Collected from libdes and modified for SECURE RPC by Martin Kuck 1994
This file is distributed under the terms of the GNU Lesser General
Public License, version 2.1 or later - see the file COPYING.LIB for details.
If you did not receive a copy of the license with this program, please
see <http://www.gnu.org/licenses/> to obtain a copy.

The file inet/rcmd.c is under a UCB copyright and the following:

Copyright (C) 1998 WIDE Project.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors
may be used to endorse or promote products derived from this software
without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The file posix/runtests.c is copyright Tom Lord:

Copyright 1995 by Tom Lord

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holder not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

Tom Lord DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL TOM LORD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The posix/rxspencer tests are copyright Henry Spencer:

Copyright 1992, 1993, 1994, 1997 Henry Spencer. All rights reserved. This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.

2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.

4. This notice may not be removed or altered.

The file posix/PCRE.tests is copyright University of Cambridge:

Copyright (c) 1997-2003 University of Cambridge

Permission is granted to anyone to use this software for any purpose on any computer system, and to redistribute it freely, subject to the following restrictions:

1. This software is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

2. The origin of this software must not be misrepresented, either by explicit claim or by omission. In practice, this means that if you use PCRE in software that you distribute to others, commercially or otherwise, you must put a sentence like this

   Regular expression support is provided by the PCRE library package, which is open source software, written by Philip Hazel, and copyright by the University of Cambridge, England.

   somewhere reasonably visible in your documentation and in any relevant files or online help data or similar. A reference to the ftp site for the source, that is, to

   ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre/

   should also be given in the documentation. However, this condition is not intended to apply to whole chains of software. If package A includes PCRE, it must acknowledge it, but if package B is software that includes package A, the condition is not imposed on package B (unless it uses PCRE independently).

3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software.

4. If PCRE is embedded in any software that is released under the GNU General Purpose Licence (GPL), or Lesser General Purpose Licence (LGPL), then the terms of that licence shall supersede any condition above with which it is incompatible.
Files from Sun fdlibm are copyright Sun Microsystems, Inc.:

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business.
Permission to use, copy, modify, and distribute this
software is freely granted, provided that this notice
is preserved.

Various long double libm functions are copyright Stephen L. Moshier:

Copyright 2001 by Stephen L. Moshier <moshier@na-net.ornl.gov>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, see
<http://www.gnu.org/licenses/>. */

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

Unicode Data Files include all data files under the directories
http://www.unicode.org/Public/, http://www.unicode.org/reports/, and
http://www.unicode.org/cldr/data/. Unicode Data Files do not include PDF
online code charts under the directory http://www.unicode.org/Public/.
Software includes any source code published in the Unicode Standard or under

NOTICE TO USER: Carefully read the following legal agreement. BY
DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S DATA FILES
("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND
AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF
YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA
FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright 1991-2013 Unicode, Inc. All rights reserved. Distributed under
the Terms of Use in http://www.unicode.org/copyright.html.
Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

@c The GNU Free Documentation License.
@center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

@display
@uref{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
@end display

@enumerate 0
@item

PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document @dfn{free} in the sense of freedom: to
assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item
APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles
are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The ``Cover Texts'' are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A ``Transparent'' copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not ``Transparent'' is called ``Opaque''.

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The ``Title Page'' means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, ``Title Page'' means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The ``publisher'' means any person or entity that distributes copies of the Document to the public.
A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit
legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

@item MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate A
@item Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.
@item List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.
@item State on the Title page the name of the publisher of the
Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications
adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice
giving the public permission to use the Modified Version under the
terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections
and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled \"History\", Preserve its Title, and add
to it an item stating at least the title, year, new authors, and
publisher of the Modified Version as given on the Title Page. If
there is no section Entitled \"History\" in the Document, create one
stating the title, year, authors, and publisher of the Document as
given on its Title Page, then add an item describing the Modified
Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for
public access to a Transparent copy of the Document, and likewise
the network locations given in the Document for previous versions
it was based on. These may be placed in the \"History\" section.
You may omit a network location for a work that was published at
least four years before the Document itself, or if the original
publisher of the version it refers to gives permission.

@item
For any section Entitled \"Acknowledgements\" or \"Dedications\", Preserve
the Title of the section, and preserve in the section all the
substance and tone of each of the contributor acknowledgements and/or
dedications given therein.

@item
Preserve all the Invariant Sections of the Document,
unaltered in their text and in their titles. Section numbers
or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties---for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and
list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the
electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item

TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled ``Acknowledgements'', ``Dedications'', or ``History'', the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item

TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the
licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RELICENSING

``Massive Multiauthor Collaboration Site” (or ``MMC Site”) means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A ``Massive Multiauthor Collaboration” (or ``MMC”) contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA” means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate” means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is ``eligible for relicensing” if it is licensed under this
License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page
@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the `\`with@dots{ ]Texts."@: line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License,
to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

1.844 nghttp2 1.33.0
1.844.1 Available under license:

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.845 perl-version 0.99.24-1.el8
1.845.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*

***********************************************************************************************

ppport.h -- Perl/Pollution/Portability Version 3.19_02

Automatically created by Devel::PPPort running under perl 5.012000.

Do NOT edit this file directly! -- Edit PPport_pm.PL and the includes in parts/inc/ instead.

Use 'perldoc ppport.h' to view the documentation below.

***********************************************************************************************

SKIP

=pod
NAME

ppport.h - Perl/Pollution/Portability version 3.19_02

SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help           show short help

--version        show version

--patch=file     write one patch file with changes
--copy=suffix    write changed copies with suffix
--diff=program  use diff program and options

--compat-version=version  provide compatibility with Perl version
--cplusplus       accept C++ comments

--quiet          don't output anything except fatal errors
--nodiag         don't show diagnostics
--nohints        don't show hints
--nochanges      don't suggest changes
--nofilter       don't filter input files

--strip          strip all script and doc functionality from
                 ppport.h

--list-provided  list provided API
--list-unsupported list unsupported API
--api-info=name  show Perl API portability information

COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl
installations back to 5.003, and has been tested up to 5.11.5.

OPTIONS

--help

Display a brief usage summary.

--version
Display the version of F<ppport.h>.

=head2 --patch=I<file>

If this option is given, a single patch file will be created if any changes are suggested. This requires a working diff program to be installed on your system.

=head2 --copy=I<suffix>

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs. Note that this does not automagically add a dot between the original filename and the suffix. If you want the dot, you have to include it in the option argument.

If neither C|--patch> or C|--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

=head2 --diff=I<program>

Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.

=head2 --compat-version=I<version>

Tell F<ppport.h> to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003. You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.

=head2 --cplusplus

Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.

=head2 --quiet

Be quiet. Don't print anything except fatal errors.

=head2 --nodiag
Don't output any diagnostic messages. Only portability alerts will be printed.

=head2 --nohints

Don't output any hints. Hints often contain useful portability notes. Warnings will still be displayed.

=head2 --nochanges

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>. This reduces the size of F<ppport.h> dramatically and may be useful if you want to include F<ppport.h> in smaller modules without increasing their distribution size too much.

The stripped F<ppport.h> will have a C<--unstrip> option that allows you to undo the stripping, but only if an appropriate C<Devel::PPPort> module is installed.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.

=head2 --list-unsupported

Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching I<name>. If I<name> is surrounded by slashes, it is interpreted as a regular expression.

=head1 DESCRIPTION
In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

=item *

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

perl ppport.h --list-provided

to see which API elements are provided by ppport.h.

=item *

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h> will provide wrappers for older Perl versions.

=item *

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define> s in your source code before the inclusion of F<ppport.h>.

These functions or variables will be marked C<explicit> in the list shown by C<--list-provided>.

Depending on whether you module has a single or multiple files that use such functions or variables, you want either C<static> or global variants.

For a C<static> function or variable (used only in a single source file), use:

#define NEED_function
#define NEED_variable

For a global function or variable (used in multiple source files), use:

#define NEED_function_GLOBAL
Note that you mustn't have more than one global request for the same function or variable in your project.

<table>
<thead>
<tr>
<th>Function / Variable</th>
<th>Static Request</th>
<th>Global Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL_parser</td>
<td>NEED_PL_parser</td>
<td>NEED_PL_parser_GLOBAL</td>
</tr>
<tr>
<td>PL_signals</td>
<td>NEED_PL_signals</td>
<td>NEED_PL_signals_GLOBAL</td>
</tr>
<tr>
<td>eval_pv()</td>
<td>NEED_eval_pv</td>
<td>NEED_eval_pv_GLOBAL</td>
</tr>
<tr>
<td>grok_bin()</td>
<td>NEED_grok_bin</td>
<td>NEED_grok_bin_GLOBAL</td>
</tr>
<tr>
<td>grok_hex()</td>
<td>NEED_grok_hex</td>
<td>NEED_grok_hex_GLOBAL</td>
</tr>
<tr>
<td>grok_number()</td>
<td>NEED_grok_number</td>
<td>NEED_grok_number_GLOBAL</td>
</tr>
<tr>
<td>grok_numeric_radix()</td>
<td>NEED_grok_numeric_radix</td>
<td>NEED_grok_numeric_radix_GLOBAL</td>
</tr>
<tr>
<td>grok_oct()</td>
<td>NEED_grok_oct</td>
<td>NEED_grok_oct_GLOBAL</td>
</tr>
<tr>
<td>load_module()</td>
<td>NEED_load_module</td>
<td>NEED_load_module_GLOBAL</td>
</tr>
<tr>
<td>my_snprintf()</td>
<td>NEED_my_snprintf</td>
<td>NEED_my_snprintf_GLOBAL</td>
</tr>
<tr>
<td>my_sprintf()</td>
<td>NEED_my_sprintf</td>
<td>NEED_my_sprintf_GLOBAL</td>
</tr>
<tr>
<td>my_strlcat()</td>
<td>NEED_my_strlcat</td>
<td>NEED_my_strlcat_GLOBAL</td>
</tr>
<tr>
<td>my_strlcpy()</td>
<td>NEED_my_strlcpy</td>
<td>NEED_my_strlcpy_GLOBAL</td>
</tr>
<tr>
<td>newCONSTSUB()</td>
<td>NEED_newCONSTSUB</td>
<td>NEED_newCONSTSUB_GLOBAL</td>
</tr>
<tr>
<td>newRV_noenc()</td>
<td>NEED_newRV_noenc</td>
<td>NEED_newRV_noenc_GLOBAL</td>
</tr>
<tr>
<td>newSV_type()</td>
<td>NEED_newSV_type</td>
<td>NEED_newSV_type_GLOBAL</td>
</tr>
<tr>
<td>newSVpvn_flags()</td>
<td>NEED_newSVpvn_flags</td>
<td>NEED_newSVpvn_flags_GLOBAL</td>
</tr>
<tr>
<td>newSVpvn_share()</td>
<td>NEED_newSVpvn_share</td>
<td>NEED_newSVpvn_share_GLOBAL</td>
</tr>
<tr>
<td>pv_display()</td>
<td>NEED_pv_display</td>
<td>NEED_pv_display_GLOBAL</td>
</tr>
<tr>
<td>pv_escape()</td>
<td>NEED_pv_escape</td>
<td>NEED_pv_escape_GLOBAL</td>
</tr>
<tr>
<td>pv_pretty()</td>
<td>NEED_pv_pretty</td>
<td>NEED_pv_pretty_GLOBAL</td>
</tr>
<tr>
<td>sv_2pv_flags()</td>
<td>NEED_sv_2pv_flags</td>
<td>NEED_sv_2pv_flags_GLOBAL</td>
</tr>
<tr>
<td>sv_2pvbyte()</td>
<td>NEED_sv_2pvbyte</td>
<td>NEED_sv_2pvbyte_GLOBAL</td>
</tr>
<tr>
<td>sv_catpvf_mg()</td>
<td>NEED_sv_catpvf_mg</td>
<td>NEED_sv_catpvf_mg_Global</td>
</tr>
<tr>
<td>sv_catpvf_mg_nocontext()</td>
<td>NEED_sv_catpvf_mg_nocontext</td>
<td>NEED_sv_catpvf_mg_nocontext_GLOBAL</td>
</tr>
<tr>
<td>sv_pvn_force_flags()</td>
<td>NEED_sv_pvn_force_flags</td>
<td>NEED_sv_pvn_force_flags_GLOBAL</td>
</tr>
<tr>
<td>sv_setpvf_mg()</td>
<td>NEED_sv_setpvf_mg</td>
<td>NEED_sv_setpvf_mg_GLOBAL</td>
</tr>
<tr>
<td>sv_setpvf_mg_nocontext()</td>
<td>NEED_sv_setpvf_mg_nocontext</td>
<td>NEED_sv_setpvf_mg_nocontext_GLOBAL</td>
</tr>
<tr>
<td>vload_module()</td>
<td>NEED_vload_module</td>
<td>NEED_vload_module_GLOBAL</td>
</tr>
<tr>
<td>vnewSVpvf()</td>
<td>NEED_vnewSVpvf</td>
<td>NEED_vnewSVpvf_GLOBAL</td>
</tr>
<tr>
<td>warner()</td>
<td>NEED_warner</td>
<td>NEED_warner_GLOBAL</td>
</tr>
</tbody>
</table>

To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the C<DPPP_NAMESPACE> macro. Just C<#define> the macro before including C<ppport.h>:

```c
#define DPPP_NAMESPACE MyOwnNamespace
#include "ppport.h"
```

The default namespace is C<DPPP >.
The good thing is that most of the above can be checked by running F<ppport.h> on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether F<ppport.h> is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, F<ppport.h> can be run as a Perl script to check your source code. Simply say:

perl ppport.h

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff

If you only want your code to be scanned without any suggestions for changes, use:

perl ppport.h --nochanges

You can specify a different C<diff> program or options, using the C<--diff> option:

perl ppport.h --diff='diff -C 10'

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:

perl ppport.h --copy=.new

To display portability information for the C<newSVpvn> function, use:

perl ppport.h --api-info=newSVpvn

Since the argument to C<--api-info> can be a regular expression,
you can use

    perl ppport.h --api-info=/_nomg$/

to display portability information for all C<_nomg> functions or

    perl ppport.h --api-info=/.

to display information for all known API elements.

=head1 BUGS

If this version of F<ppport.h> is causing failure during
the compilation of this module, please check if newer versions
of either this module or C<Devel::PPPort> are available on CPAN
before sending a bug report.

If F<ppport.h> was generated using the latest version of
C<Devel::PPPort> and is causing failure of this module, please
file a bug report using the CPAN Request Tracker at L<http://rt.cpan.org/>.

Please include the following information:

=over 4

=item 1.

The complete output from running "perl -V"

=item 2.

This file.

=item 3.

The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.

=item 5.

Any other information that you think could be relevant.

=back

For the latest version of this code, please get the C<Devel::PPPort>
module from CPAN.
=head1 COPYRIGHT
Version 3.x, Copyright (c) 2004-2010, Marcus Holland-Moritz.
Version 2.x, Copyright (C) 2001, Paul Marquess.
Version 1.x, Copyright (C) 1999, Kenneth Albanowski.
This program is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.
=head1 SEE ALSO
See L<Devel::PPPort>.
=cut
use strict;
# Disable broken TRIE-optimization
BEGIN { eval '${^RE_TRIE_MAXBUF} = -1' if $] >= 5.009004 && $] <= 5.009005 }
my $VERSION = 3.19_02;
my %opt = (
quiet => 0,
diag
=> 1,
hints => 1,
changes => 1,
cplusplus => 0,
filter => 1,
strip => 0,
version => 0,
);
my($ppport) = $0 =~ /([\w.]+)$/;
my $LF = '(?:\r\n|[\r\n])'; # line feed
my $HS = "[ \t]";
# horizontal whitespace
# Never use C comments in this file!
my $ccs = '/'.'*';
my $cce = '*'.'/';
my $rccs = quotemeta $ccs;
my $rcce = quotemeta $cce;
eval {

Open Source Used In CSPC_Collector 2.9.1 9032


require Getopt::Long;
Getopt::Long::GetOptions(%opt, qw(
    help quiet diag! filter! hints! changes! cplusplus strip version 
    patch=s copy=s diff=s compat-version=s 
    list-provided list-unsupported api-info=s 
)) or usage();
;
if ($@ and grep /^-/, @ARGV) { 
    usage() if "@ARGV" =~ /^--?h(?:elp)?$/;
    die "Getopt::Long not found. Please don’t use any options.
";
}

if ($opt{version}) {
    print "This is $0 $VERSION.
";
    exit 0;
}

usage() if $opt{help};
strip() if $opt{strip};

if (exists $opt{'compat-version'}) {
    my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };
    if ($@) {
        die "Invalid version number format: $opt{'compat-version'}";
    }
    die "Only Perl 5 is supported" if $r != 5;
    die "Invalid version number: $opt{'compat-version'}" if $v >= 1000 || $s >= 1000;
    $opt{'compat-version'} = sprintf "%d.%03d%03d", $r, $v, $s;
} else {
    $opt{'compat-version'} = 5;
}

my %API = map { /^([\w]+)|([^\|]*)|([^\|]*)|\w*/?
    ? ( $1 => {
        ($2                  ? ( base     => $2 ) : ()),
        ($3                  ? ( todo     => $3 ) : ()),
        (index($4, 'v') >= 0 ? ( varargs => 1 ) : ()),
        (index($4, 'p') >= 0 ? ( provided => 1 ) : ()),
        (index($4, 'n') >= 0 ? ( nothxarg => 1 ) : ()
    )
    )
    : die "invalid spec: $_" } qw(
AvFILLp|5.004050||p
AvFILL|||
CLASS||n
CPERLScope|5.005000||p
CX_CURPAD_SAVE|||
PAD_COMPNAME_OURSTASH||
PAD_COMPNAME_PV||
PAD_COMPNAME_TYPE||
PAD_DUP||
PAD_RESTORE_LOCAL||
PAD_SAVE_LOCAL||
PAD_SAVE_SETNULLPAD||
PAD_SETSV||
PAD_SET_CUR_NOSAVE||
PAD_SET_CUR||
PAD_SV||
PERLIO_FUNCS_CAST|5.009003||p
PERLIO_FUNCS_DECL|5.009003||p
PERL_ABS|5.008001||p
PERL_BCDVERSION|5.011004||p
PERL_GCC_BRACE_GROUPS_FORBIDDEN|5.008001||p
PERL_HASH|5.004000||p
PERL_INT_MAX|5.004000||p
PERL_INT_MIN|5.004000||p
PERL_LONG_MAX|5.004000||p
PERL_LONG_MIN|5.004000||p
PERL_MAGIC_arylen|5.007002||p
PERL_MAGIC_backref|5.007002||p
PERL_MAGIC_bmp|5.007002||p
PERL_MAGIC_collxfrm|5.007002||p
PERL_MAGIC_dbfile|5.007002||p
PERL_MAGIC_dbline|5.007002||p
PERL_MAGIC_defelem|5.007002||p
PERL_MAGIC_envelem|5.007002||p
PERL_MAGIC_env|5.007002||p
PERL_MAGIC_ext|5.007002||p
PERL_MAGIC_fm|5.007002||p
PERL_MAGIC_glob|5.011004||p
PERL_MAGIC_isaelem|5.007002||p
PERL_MAGIC_isa|5.007002||p
PERL_MAGIC_mutex|5.011004||p
PERL_MAGIC_nkeys|5.007002||p
PERL_MAGIC_overload_elem|5.007002||p
PERL_MAGIC_overload_table|5.007002||p
PERL_MAGIC_overload|5.007002||p
PERL_MAGIC_pos|5.007002||p
PERL_MAGIC_qr|5.007002||p
PERL_MAGIC_regdata|5.007002||p
PERL_MAGIC_regdatum|5.007002||p
PERL_MAGIC_regex_global|5.007002||p
PERL_MAGIC_shared_scalar|5.007003||p
PERL_MAGIC_shared|5.007003||p
PERL_UNUSED_CONTEXT|5.009004|p
PERL_UNUSEDDECL|5.007002|p
PERL_UNUSEDVAR|5.007002|p
PERLUQUAD_MAX|5.004000|p
PERLUQUAD_MIN|5.004000|p
PERL_USE_GCC_BRACE_GROUPS|5.009004|p
PERL_USHORT_MAX|5.004000|p
PERL_USHORT_MIN|5.004000|p
PERL_VERSION|5.006000|p
PL_DBsignal|5.005000|p
PL_DBsingleton|p
PL_DBsub|p
PL_DBtrace|p
PL_Sv|5.005000|p
PL_bufend|5.011004|p
PL_bufptr|5.011004|p
PL_compiling|5.004050|p
PL_copline|5.011004|p
PL_curcop|5.004050|p
PL_curstash|5.004050|p
PL_debstash|5.004050|p
PL_defgv|5.004050|p
PL_diehook|5.004050|p
PL_dirty|5.004050|p
PL_dowarn|p
PL_errgv|5.004050|p
PL_error_count|5.011004|p
PL_expect|5.011004|p
PL_hexdigit|5.005000|p
PL_hints|5.005000|p
PL_in_my_stash|5.011004|p
PL_in_my|5.011004|p
PL_keyword_plugin|5.011002|p
PL_last_in_gv|p
PL_laststatval|5.005000|p
PL_lex_state|5.011004|p
PL_lex_stuff|5.011004|p
PL_linestr|5.011004|p
PL_modglobal|5.005000|n
PL_nal|5.004050|p
PL_no_modify|5.006000|p
PL_ofsgv|n
PL_opfreehook|5.011000|n
PL_parser|5.009005|5.009005|p
PL_perl_destruct_level|5.004050|p
PL_perldb|5.004050|p
PL_ppaddr|5.006000|p
PL_rsfp_filters|5.004050|p
PL_rsfp|5.004050|p
PL_rs|ln
PL_signals|5.008001|p
PL_stack_base|5.004050|p
PL_stack_sp|5.004050|p
PL_statche|5.005000|p
PL_stdating|5.004050|p
PL_sv_arenaroot|5.004050|p
PL_sv_no|5.004050|pn
PL_sv_undef|5.004050|pn
PL_sv_yes|5.004050|pn
PL_tainted|5.004050|p
PL_tainting|5.004050|p
PL_tokenbuf|5.011004|p
POP_MULTICALL|5.011005|
POPi|ln
POPl|ln
POPn|ln
POPphytext|5.007001|n
POPopx|5.005030|n
POPp|ln
POPs|ln
PTR2V|5.006000|p
PTR2NV|5.006000|p
PTR2UV|5.006000|p
PTR2nat|5.009003|p
PTR2ul|5.007001|p
PTRV|5.006000|p
PUSHMARK||
PUSH_MULTICALL|5.011005|
PUSHi||
PUSHmortal|5.009002|p
PUSHn||
PUSHp||
PUSHs||
PUSHu|5.004000|p
PUTBACK||
PerlIO_clearerr|5.007003|
PerlIO_close|5.007003|
PerlIO_context_layers|5.009004|
PerlIO_eof|5.007003|
PerlIO_error|5.007003|
PerlIO_fileno|5.007003|
PerlIO_fill|5.007003|
PerlIO_flush|5.007003|
PerlIO_get_base|5.007003|
PerlIO_get bufsize|5.007003|
PerlIO_get cnt|5.007003|
<table>
<thead>
<tr>
<th>Variable</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SvOOK_offset</td>
<td>5.011000</td>
</tr>
<tr>
<td>SvOOK</td>
<td></td>
</tr>
<tr>
<td>SvPOK_off</td>
<td></td>
</tr>
<tr>
<td>SvPOK_only=UTF8</td>
<td>5.006000</td>
</tr>
<tr>
<td>SvPOK_only</td>
<td></td>
</tr>
<tr>
<td>SvPOK_on</td>
<td></td>
</tr>
<tr>
<td>SvPOKp</td>
<td></td>
</tr>
<tr>
<td>SvPOK</td>
<td></td>
</tr>
<tr>
<td>SvPVX_const</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVX.mutable</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVX</td>
<td></td>
</tr>
<tr>
<td>SvPVX CONST</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVXFlags_const</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVX_FLAGS_CONST</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVX_FLAGS_MUTABLE</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVX_FLAGS</td>
<td>5.007002</td>
</tr>
<tr>
<td>SvPVXForceFlags_nolen</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVXFORCEFLAGS</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVX_FORCEFLAGS</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVX_FORCE</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVX FORCE</td>
<td></td>
</tr>
<tr>
<td>SvPVX_nolen</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVX_nolen_CONST</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVX NOMGCONST_NOLEN</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVX NOMGCONST</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVX NOMG</td>
<td>5.007002</td>
</tr>
<tr>
<td>SvPVX renew</td>
<td>5.009003</td>
</tr>
<tr>
<td>SvPVX set</td>
<td></td>
</tr>
<tr>
<td>SvPVXbyte_force</td>
<td>5.009002</td>
</tr>
<tr>
<td>SvPVXbyte_nolen</td>
<td>5.006000</td>
</tr>
<tr>
<td>SvPVXBYTES_FORCE</td>
<td>5.006000</td>
</tr>
<tr>
<td>SvPVXBYTES</td>
<td>5.006000</td>
</tr>
<tr>
<td>SvPVXbyte</td>
<td>5.006000</td>
</tr>
<tr>
<td>SvPVXUTF8 FORCE</td>
<td>5.006000</td>
</tr>
<tr>
<td>SvPVXUTF8 NOLEN</td>
<td>5.006000</td>
</tr>
<tr>
<td>SvPVXUTF8 FORCE</td>
<td>5.006000</td>
</tr>
<tr>
<td>SvPVXUTF8</td>
<td>5.006000</td>
</tr>
<tr>
<td>SvPVX</td>
<td></td>
</tr>
<tr>
<td>SvREFCNT_dec</td>
<td></td>
</tr>
<tr>
<td>SvREFCNT inc_NN</td>
<td>5.009004</td>
</tr>
<tr>
<td>SvREFCNT inc_simple_NN</td>
<td>5.009004</td>
</tr>
<tr>
<td>SvREFCNT inc_simple_VOID_NN</td>
<td>5.009004</td>
</tr>
</tbody>
</table>
call_argv[5.006000]|p
call_atexit[5.006000]
call_list[5.004000]
call_method[5.006000]|p
call_pv[5.006000]|p
call_sv[5.006000]|p
calloc[5.007002]|n
cando[]
cast_i32[5.006000]
cast_iu[5.006000]
cast_ulong[5.006000]
cast_uv[5.006000]
check_type_and_open[]
check_uni[]
checkcomma[]
checkposixcc[]
ckWARN[5.006000]|p
ck_anoncode[]
ck_bitop[]
ck_concat[]
ck_defined[]
ck_delete[]
ck_die[]
ck_each[]
ck_eof[]
ck_eval[]
ck_exec[]
ck_exists[]
ck_exit[]
ck_ftst[]
ck_funs[]
ck_glob[]
ck_grep[]
ck_index[]
ck_join[]
ck_fun[]
ck_listio[]
ck_match[]
ck_method[]
ck_null[]
ck_open[]
ck_readline[]
ck_repeat[]
ck_require[]
ck_return[]
ck_rfun[]
ck_rvconst[]
ck_sassign[]
dMY_CXT|5.007003||p
dNOOP|5.006000||p
dORIGMARK||
dSP||
dTHR|5.004050||p
dTHXR|5.011004||p
dTHXa|5.006000||p
dTHXoa|5.006000||p
dTHX|5.006000||p
dUNDERBAR|5.009002||p
dVAR|5.009003||p
dXCPT|5.009002||p
dXSARGS||
dXSI32||
dxSTARG|5.006000||p
deb_curcv||
deb_nocontext||vn
deb_stack_all||
deb_stack_n||
debop|5.005000|
debprofdump|5.005000|
deprof||
debstackptrs|5.007003|
debstack|5.007003|
deb_start_match||
deb|5.007003|v
del_sv||
delete_eval_scope||
delimcpy|5.004000||n
deprecate_commaless_var_list||
despatch_signals|5.007001|
destroy_matcher||
die_nocontext||vn
die_where||
die||v
dirp_dup||
div128||
djSP||
do_aexec5||
do_aexec||
do_aspawn||
do_binmode|5.004050|
do_chomp||
do_chop||
do_close||
do_delete_local||
do_dump_pad||
do_eof||
doing_taint|5.008001|

doone||
doopen_pm||
doparseform||
dopoptoeval||
dopoptogiven||
dopoptolabel||
dopoptoloop||
dopoptosub_at||
dopoptowhen||
doref|5.009003|
downwind||
dowantarray||
dump_all_perl||
dump_all|5.006000|
dump_eval|5.006000|
dump_exec_pos||
dump_fds||
dump_form|5.006000|
dump_indent|5.006000|v
dump_mstats||
dump_packsubs_perl||
dump_packsubs|5.006000|
dump_sub_perl||
dump_sub|5.006000|
dump_sv_child||
dump_trie_interim_list||
dump_trie_interim_table||
dump_trie||
dump_vindent|5.006000|
dumpuntil||
dup_attrlist||
emulate_cop_io||
eval_pv|5.006000|p
eval_sv|5.006000|p
eexec_failed||
expect_number||
fbm_compile|5.005000|
fbm_instr|5.005000|
feature_is_enabled||
fetch_cop_label|5.011000|
filter_add||
filter_del||
filter_gets||
filter_read||
find_and_forget_pmops||
find_array_subscript||
find_beginning||
getenv_len
glob_2number
glob_assign_glob
glob_assign_ref
gp_dup
gp_free
gp_ref
grok_bin7
5.007003
p
grok_hex7
5.007003
p
grok_number7
5.007002
p
grok_numeric_radix7
5.007002
p
grok_oct7
5.007003
p
group_end

gv_AVadd

gv_HVadd

gv_IOadd

gv_SVadd

gv_add_by_type7
5.011000

gv_autoload47
5.004000

gv_check

gv_const_sv7
5.009003

gv_dump7
5.006000

gv_efullname37
5.004000

gv_efullname47
5.006001

gv_efullname

gv_enamel

gv_fetchfile_flags7
5.009005

gv_fetchfile

gv_fetchmeth_autoload7
5.007003

gv_fetchmethod_autoload7
5.004000

gv_fetchmethod_flags7
5.011000

gv_fetchmethod

gv_fetchpvn_flags7
5.009002
p
gv_fetchpvs7
5.009004
p
gv_fetchpv

gv_fetchsv7
5.009002
p
gv_fullname37
5.004000

gv_fullname47
5.006001

gv_fullname

gv_get_super_pkg

gv_handler7
5.007001

gv_init_sv

gv_init

gv_name_set7
5.009004

gv_stashpvn7
5.004000
p
gv_stashpvs7
5.009003
p
gv_stashpv

hv_store||
hv_UNDEF||
ibcmp Locale[5.004000]|n
ibcmpUtf8[5.007003]
ibcmp|[n
incline][
incpush_if_exists][
incpush_use_sep][
incpush][
ingroup][
init_argv_symbols][
ininit_debugger][
ininit_global_struct][
ininit_i18n10n[5.006000]
ininit_i18n14n[5.006000]
ininit_ids][
ininit_interp][
ininit_main_stash][
ininit_perllib][
ininit_postdump_symbols][
ininit_predump_symbols][
ininit_stacks[5.005000]
ininit_tm[5.007002]
instr|[n
intro_my][
intuit_method][
intuit_more][
invert][
io_close][
isALNUMC[5.006000][p
isALNUM][
isALPHA][
isASCII[5.006000][p
isBLANK[5.006001][p
isCNTRL[5.006000][p
isDIGIT][
isGRAPH[5.006000][p
isGV_with_GP[5.009004][p
isLOWER][
isPRINT[5.004000][p
isPSXSPC[5.006001][p
isPUNCT[5.006000][p
isSPACE][
isUPPER][
isXDIGIT[5.006000][p
is_an_int][
is_ascii_string[5.011000]|n
is_gv_magical_sv[|}
mPUSHp|5.009002||p
mPUSHs|5.010001||p
mPUSHu|5.009002||p
mXPUSHi|5.009002||p
mXPUSHn|5.009002||p
mXPUSHp|5.009002||p
mXPUSHs|5.010001||p
mXPUSHu|5.009002||p
mad_free|||
madlex|||
madparse|||
magic_clear_all_env|||
magic_clearenv|||
magic_clearhints|||
magic_clearhint|||
magic_clearisa|||
magic_clearpack|||
magic_clearsig|||
magic_dump|5.006000|
magic_existspack|||
magic_freearylen_p|||
magic_freeovrl|||
magic_getarylen|||
magic_getdefelem|||
magic_getnkeys|||
magic_getpack|||
magic_getpos|||
magic_getsig|||
magic_getsubstr|||
magic_gettaint|||
magic_getuvar|||
magic_getvec|||
magic_get|||
magic_killbackrefs|||
magic_len|||
magic_methcall|||
magic_methpack|||
magic_nextpack|||
magic_regdata_cnt|||
magic_regdatum_get|||
magic_regdatum_set|||
magic_scalarpack|||
magic_set_all_env|||
magic_setamagic|||
magic_setarylen|||
magic_setcollxfrm|||
magic_setdbline|||
magic_setdefelem|||
magic_setenv
magic_sethint
magic_setisa
magic_setm glob
magic_setkeys
magic_setpos
magic_setregexp
magic_setsig
magic_setsubstr
magic_settain t
magic_setutf8
magic_setuvar
magic_setvec
magic_set
magic_sizepack
magic_wipepack
make_matcher
make_trie_failtable
make_trie
malloc_good_size
malloced_size
malloc[5.007002]
markstack_grow
matcher_matches_sv
measure_struct
memEQs[5.009005]
memEQ[5.004000]
memNEs[5.009005]
memNE[5.004000]
mem_coll xfrm
mem_log_common
mess_alloc
mess_nocontext
mess[5.006000]
method_common
mfree[5.007002]
mg_clear
mg_copy
mg_dup
mg_find
mg_free
mg_get
mg_length[5.005000]
mg_localize
mg_magical
mg_set
mg_size[5.005000]
newFOROP
newGIVENOP[5.009003]
newGIVWHENOP
newGP
newGVOP
newGVREF
newGVgen
newHVREF
newHVhv[5.005000]
newHV
newIO
newLISTOP
newLOGOP
newLOOPEX
newLOOPOP
newMADPROP
newMADsv
newMYSUB
newNULLLIST
newOP
newPADOP
newPMOP
newPROG
newPVOP
newRANGE
newRV_inc[5.004000]
newRV_noinc[5.004000]
newRV
newSLICEOP
newSTATEOP
newSUB
newSVOP
newSVREF
newSV_type[5.009005]
newSVhek[5.009003]
newSViv
newSVnv
newSVpvf_nocontext
newSVpf[5.004000]
newSVpvn_flags[5.010000]
newSVpvn_share[5.007000]
newSVpvn_utf8[5.010000]
newSVpvn[5.004050]
newSVpvs_flags[5.010000]
newSVpvs_share[5.009003]
newSVpvs[5.009003]
newSVpv
newSVrv
pMY_CXT|5.007003||p
pTHX|5.006000||p
pTHX|5.006000||p
packWARN|5.007003||p
pack_cat|5.007003|
pack_rec||
package_version||
package||
packlist|5.008001|
pad_add_anon||
pad_add_name_sv||
pad_add_name||
pad_alloc||
pad_block_start||
pad_check_dup||
pad_comppname_type||
pad_findlex||
pad_findmy|5.011002|
pad_fixup_inner_anons||
pad_free||
pad_leavemy||
pad_new||
pad_peg||n
pad_push||
pad_reset||
pad_setsv||
pad_sv||
pad_swipe||
pad_tidy||
pad_undef||
parse_body||
parse_unicode_opts||
parser_dup||
parser_free||
path_is_absolute||n
peep||
pending_Slabs_to_ro||
perl_alloc_using||n
perl_alloc||n
perl_clone_using||n
perl_clone||n
perl_construct||n
perl_destruct|5.007003|n
perl_free||n
perl_parse|5.006000|n
perl_run||n
pidgone||
pm_description||
refcounted_he_value
refkids
refto
ref[5.011005]
reg_check_named_buff_matched
reg_named_buff_all[5.009005]
reg_named_buff_exists[5.009005]
reg_named_buff_fetch[5.009005]
reg_named_buff_firstkey[5.009005]
reg_named_buff_iter
reg_named_buff_nextkey[5.009005]
reg_named_buff_scalar[5.009005]
reg_named_buff
reg_namedseq
reg_node
reg_numbered_buff_fetch
reg_numbered_buff_length
reg_numbered_buff_store
reg_qr_package
reg_recode
reg_scan_name
reg_skipcomment
reg_temp_copy
reganode
regatom
regbranch
regclass_swash[5.009004]
regclass
regcppop
regcppush
regcurly
regdump_extflags
regdump[5.005000]
regdupe_internal
regexec_flags[5.005000]
regfree_internal[5.009005]
reghop3
reghop4
reghopmaybe3
reginclass
regininitcolors[5.006000]
regininsert
regmatch
regnext[5.005000]
regpiece
regposixcc
regprop
grepeat
regtail_study
regtail
regtry
reguni
regwhite
reg
repeatcpy
report_evil_fh
report_uninit
require_pv
require_tie_mod
restore_magic
rinstr
rsignal_restore
rsignal_save
rsignal_state
rsignal
run_body
run_user_filter
runops_debug
runops_standard
rvpv_dup
rxres_free
rxres_restore
rxres_save
safesyscalloc
safesysfree
safesysmalloc
safesysrealloc
same_dirent
save_116
save_132
save_18
save_adelete
save_aelem_flags
save_aelem
save_alloc
save_aptr
save_ary
save_bool
save_clearsv
save_delete
saveDestructor_x
saveDestructor
save_freeop
save_freepv
save_freesv
save_generic_pvref
save_generic_svref[5.005030]
save_gp[5.004000]
save_hash
save_hdelete[5.011000]
save_hek_flags
save_helem_flags[5.011000]
save_helem[5.004050]
save_hints
save_hptr
save_int
save_item
save_iv[5.005000]
save_lines
save_list
save_magic
save_mortalizesv[5.007001]
save_nogv
save_op
save_padsv_and_mortalize[5.010001]
save_pptr
save_pushi32ptr
save_pushptri32ptr
save_pushptrptr
save_pushptr[5.010001]
save_re_context[5.006000]
save_scalar_at
save_scalar
save_set_svflags[5.009000]
save_shared_pvref[5.007003]
save_sptr
save_svref
save_vptr[5.006000]
savepvn
savepvs[5.009003]
savepv
savesharedpv[5.009005]
savesharedpv[5.007003]
savestack_grow_cnt[5.008001]
savestack_grow
savestack_grow
savestack_grow
sawparens
scalar_mod_type
scalarboolean
 scalarkids
 scalarseq
 scalarvoid
 scalar
xmldump_eval|||
xmldump_form|||
xmldump_indent|||v
xmldump_packsubs_perl|||
xmldump_packsubs|||
xmldump_sub_perl|||
xmldump_sub|||
xmldump_vindent|||
yyerror|||
yylex|||
yyparse|||
yywarn|||
);
if (exists $opt{'list-unsupported'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{todo};
print "$f ", '.'x(40-length($f)), " ", format_version($API{$f}{todo}), "\n";
}
exit 0;
}
# Scan for possible replacement candidates
my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;
my($hint, $define, $function);
sub find_api
{
my $code = shift;
$code =~ s{
/ (?: \*[^*]*\*+(?:[^$ccs][^*]*\*+)* / | /[^\r\n]*)
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^'\\]*(?:\\.[^'\\]*)*' }{}egsx;
grep { exists $API{$_} } $code =~ /(\w+)/mg;
}
while (<DATA>) {
if ($hint) {
my $h = $hint->[0] eq 'Hint' ? \%hints : \%warnings;
if (m{^\s*\*\s(.*?)\s*$}) {
for (@{$hint->[1]}) {
$h->{$_} ||= ''; # suppress warning with older perls
$h->{$_} .= "$1\n";
}
}

Open Source Used In CSPC_Collector 2.9.1 9076


else { undef $hint }
}

$hint = [S1, [split /,?s+/, S2]]
    if m{^s*srcs+s+(Hint|Warning):s++(\w+(?:\w+)*)s*$};

if ($define) {
    if ($define->[1] =~ /\$/) {
        $define->[1] = $_;
    }
    else {
        if (exists $API{$define->[0]} && $define->[1] !~ /^DPPP_/) {
            my @n = find_api($define->[1]);
            push @{$depends{$define->[0]}}, @n if @n
        }
        undef $define;
    }
}

$define = [S1, S2] if m{^s*#s*define\s+(\w+)(?:\(\[^\)]*\))\s+(.*)};

if ($function) {
    if (/^}$/) {
        if (exists $API{$function->[0]}) {
            my @n = find_api($function->[1]);
            push @{$depends{$function->[0]}}, @n if @n
        }
        undef $function;
    } else {
        $function->[1] .= $_;
    }
} else {
    $function->[1] = '';
}

$function = [S1, '] if m{^DPPP_\(my_(\w+))};

$replace = S1 if m{^s*srcs+s+Replace:\s+(\d+)s+s+srcce\s*$};
$replace{S2} = S1 if $replace and m{^s*#s*define\s+(\w+)(?:\(\[^\)]*\))\s+(\w+)};
$replace{S2} = S1 if m{^s*#s*define\s+(\w+)(?:\(\[^\)]*\))\s+(\w+).*$srcs+s+Replace\s+srcce\s*$};
$replace{S1} = S2 if m{^s*srcs+s+Replace \(\w+\) with (\w+)s+s+srcce\s*$};

if (m{^s*srcs+s+(\w+(\w*+(\w+))*\w+)+depends\s+on\s+(\w+(\w*+(\w+))*\w+)s+s+srcce\s*$}) {
    my @deps = map { s/\s+/g; S_ } split //g, S3;
    my $d;
    for $d (map { s/\s+/g; S_ } split //g, S1) {
        push @{$depends{$d}}, @deps;
    }
}
$need{$1} = 1 if m{'^if\s+defined\((NEED\_\w+)(?:_GLOBAL)?\)\};
}

for (values %depends) {
    my %s;
    $$_ = [sort grep !$s{$_}++, @$_]
}

if (exists $opt{'api-info'}) {
    my $f;
    my $count = 0;
    my $match = $opt{'api-info'} =~ m!^/(.*)/$! ? $1 : "^Q$opt{'api-info'}\E$";
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $f =~ /$match/;
        print "\n=== $f ===\n\n";
        my $info = 0;
        if ($API{$f}{base} || $API{$f}{todo}) {
            my $base = format_version($API{$f}{base} || $API{$f}{todo});
            print "Supported at least starting from perl-$base\n";
            $info++;
        } else if ($API{$f}{provided}) {
            my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";
            print "Support by $ppport provided back to perl-$todo\n";
            print "Support needs to be explicitly requested by NEED_$f\n" if exists $need{$f};
            print "Depends on: \njoin(', ', @$depends{$f})), \n" if exists $depends{$f};
            print "\nShints{$f}" if exists $shints{$f};
            print "\nWARNING: $warnings{$f}" if exists $warnings{$f};
            $info++;
        }
        print "No portability information available\n" unless $info;
        $count++;
    }
    $count or print "Found no API matching '$opt{'api-info'}'.";
    print "\n";
    exit 0;
}

if (exists $opt{'list-provided'}) {
    my $f;
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $API{$f}{provided};
        my @flags;
        push @flags, 'explicit' if exists $need{$f};
        push @flags, 'depend' if exists $depends{$f};
        push @flags, 'hint' if exists $shints{$f};
        push @flags, 'warning' if exists $warnings{$f};
        print $f;
my $flags = @flags ? ' ['.join(', ', @flags).']' : '';
print "$f$flags\n";
}
exit 0;
}
my @files;
my @srcext = qw( .xs .c .h .cc .cpp -c.inc -xs.inc );
my $srcext = join '|', map { quotemeta $_ } @srcext;
if (@ARGV) {
my %seen;
for (@ARGV) {
if (-e) {
if (-f) {
push @files, $_ unless $seen{$_}++;
}
else { warn "'$_' is not a file.\n" }
}
else {
my @new = grep { -f } glob $_
or warn "'$_' does not exist.\n";
push @files, grep { !$seen{$_}++ } @new;
}
}
}
else {
eval {
require File::Find;
File::Find::find(sub {
$File::Find::name =~ /($srcext)$/i
and push @files, $File::Find::name;
}, '.');
};
if ($@) {
@files = map { glob "*$_" } @srcext;
}
}
if (!@ARGV || $opt{filter}) {
my(@in, @out);
my %xsc = map { /(.*)\.xs$/ ? ("$1.c" => 1, "$1.cc" => 1) : () } @files;
for (@files) {
my $out = exists $xsc{$_} || /\b\Q$ppport\E$/i || !/($srcext)$/i;
push @{ $out ? \@out : \@in }, $_;
}
if (@ARGV && @out) {
warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);

Open Source Used In CSPC_Collector 2.9.1 9079


}
@files = @in;
}
die "No input files given!\n" unless @files;
my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;
for $filename (@files) {
unless (open IN, "<$filename") {
warn "Unable to read from $filename: $!\n";
next;
}
info("Scanning $filename ...");
my $c = do { local $/; <IN> };
close IN;
my %file = (orig => $c, changes => 0);
# Temporarily remove C/XS comments and strings from the code
my @ccom;
$c =~ s{
( ^$HS*\#$HS*include\b[^\r\n]+\b(?:\Q$ppport\E|XSUB\.h)\b[^\r\n]*
| ^$HS*\#$HS*(?:define|elif|if(?:def)?)\b[^\r\n]* )
| ( ^$HS*\#[^\r\n]*
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^'\\]*(?:\\.[^'\\]*)*'
| / (?: \*[^*]*\*+(?:[^$ccs][^*]*\*+)* / | /[^\r\n]* ) )
}{ defined $2 and push @ccom, $2;
defined $1 ? $1 : "$ccs$#ccom$cce" }mgsex;
$file{ccom} = \@ccom;
$file{code} = $c;
$file{has_inc_ppport} = $c =~ /^$HS*#$HS*include[^\r\n]+\b\Q$ppport\E\b/m;
my $func;
for $func (keys %API) {
my $match = $func;
$match .= "|$revreplace{$func}" if exists $revreplace{$func};
if ($c =~ /\b(?:Perl_)?($match)\b/) {
$file{uses_replace}{$1}++ if exists $revreplace{$func} && $1 eq $revreplace{$func};

Open Source Used In CSPC_Collector 2.9.1 9080


\$file{uses_Perl}{$func}++ if $c =~ /\bPerl_$func\b/;
if (exists $API{$func}{provided}) {
    \$file{uses_provided}{$func}++;
    if (!exists $API{$func}{base} || $API{$func}{base} > $opt{\'compat-version\'}) {
        \$file{uses}{$func}++;
        my @deps = rec_depend($func);
        if (@deps) {
            \$file{uses_deps}{$func} = \@deps;
            for (@deps) {
                \$file{uses}{$_} = 0 unless exists \$file{uses}{$_};
            }
        }
        for ($func, @deps) {
            \$file{needs}{$_} = \'static\' if exists \$need{$_};
        }
    }
}
if (exists $API{$func}{todo} && $API{$func}{todo} > $opt{\'compat-version\'}) {
    if ($c =~ /\b$func\b/) {
        \$file{uses_todo}{$func}++;
    }
}
}
while ($c =~ /\$HS*#\$HS*define\$HS+(NEED_(\w+?)(_GLOBAL)?)\b/mg) {
    if (exists \$need{$2}) {
        \$file{defined $3 ? \'needed_global\' : \'needed_static\'}{$2}++;
    } else { warning("Possibly wrong \#define $1 in $filename") }
}
for qw(uses needs uses_todo needed_global needed_static) {
    for $func (keys \%{$file{$_}}) {
        push \@{\$global{$_}[$func]}, $filename;
    }
}
\$files{$filename} = \%\$file;
}

# Globally resolve NEED_\_'s
my \$need;
for \$need (keys \%{$global{needs}}) {
    if (@{$global{needs}{$need}}) > 1) {
        my @targets = @{$global{needs}{$need}};
        my @t = grep \$files{$_} \{ needed_global \} \$need, @targets;
        @targets = @t if @t;
for $filename (@files) {
    exists $files{$filename} or next;

    info("=== Analyzing $filename ===");

    my %file = %{$files{$filename}};
    my $func;
    my $c = $file{code};
    my $warnings = 0;

    for $func (sort keys %{$file{uses_Perl}}) {
        if ($API{$func}{varargs}) {
            unless ($API{$func}{nothxarg}) {
                my $changes = ($c =~ s{\b(Perl_$func\s+\(\s*)?!aTHX_?)(?!([aA]THX_?)[^\s])\s+\} \1 . ($2 eq ') ? 'aTHX' : 'aTHX_' . $2 \}ge);
                if ($changes) {
                    warning("Doesn't pass interpreter argument aTHX to Perl_$func");
                    $file{changes} += $changes;
                }
            }
        } else {
            warning("Uses Perl_$func instead of $func");
            $file{changes} += ($c =~ s{\bPerl_$func\s+\(\s*)?!aTHX_?)(?!([aA]THX_?)[^\s])\s+\} \1 . ($2 eq ') ? 'aTHX' : 'aTHX_' . $2 \}ge);
        }
    }

    for $func (sort keys %{$file{uses_replace}}) {
        warning("Uses $func instead of $replace{$func}");
        $file{changes} += ($c =~ s{\b$func\s+\(\s*)?!aTHX_?)(?!([aA]THX_?)[^\s])\s+\} \1 . ($2 eq ') ? 'aTHX' : 'aTHX_' . $2 \}ge);
    }

    for $func (sort keys %{$file{uses_provided}}) {
        if ($file{uses}{$func}) {
            if (exists $file{usesdeps}{$func}) {
                diag("Uses $func, which depends on ", join(', ', @{$file{usesdeps}{$func}}));
            }
        }
    }
}
else {
    diag("Uses $func");
}

$warnings += hint($func);

unless ($opt{quiet}) {
    for $func (sort keys %{$file{uses_todo}}) {
        print "*** WARNING: Uses $func, which may not be portable below perl ",
            format_version($API{$func}{todo}), ", even with 'ppport'un";
        $warnings++;
    }
}

for $func (sort keys %{$file{needed_static}}) {
    my $message = ";
    if (not exists $file{uses}{$func}) {
        $message = "No need to define NEED_$func if $func is never used";
    }
    elsif (exists $file{needs}{$func} && $file{needs}{$func} ne 'static') {
        $message = "No need to define NEED_$func when already needed globally";
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_$func\b.*$LF//mg);
    }
}

for $func (sort keys %{$file{needed_global}}) {
    my $message = ";
    if (not exists $global{uses}{$func}) {
        $message = "No need to define NEED_$func\GLOBAL if $func is never used";
    }
    elsif (exists $file{needs}{$func}) {
        if ($file{needs}{$func} eq 'extern') {
            $message = "No need to define NEED_$func\GLOBAL when already needed globally";
        }
        elsif ($file{needs}{$func} eq 'static') {
            $message = "No need to define NEED_$func\GLOBAL when only used in this file";
        }
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_$func\GLOBAL\b.*$LF//mg);
    }
}
if ($file{needs_inc_ppport}) {
    my $pp = "
    
    for $func (sort keys %{$file{needs}}) {
        my $type = $file{needs}{$func};
        my $suffix = $type eq 'global' ? '_GLOBAL' : '';
        unless (exists $file{"needed_$type"}{$func}) {
            if ($type eq 'global') {
                diag("Files [@ {$global{needs}{$func}}] need $func, adding global request");
            } else {
                diag("File needs $func, adding static request");
            }
            $pp .= "#define NEED_$func$suffix\n";
        }
    }

    if ($pp && ($c =~ s/^(?=$HS*#$HS*define$HS+NEED_\w+)/$pp/m)) {
        $pp = "
        $file{changes}++;
    }

    unless ($file{has_inc_ppport}) {
        diag("Needs to include '$ppport'");
        $pp .= qq(#include "$ppport\n")
    }

    if ($pp) {
        $file{changes} += ($c =~ s/^($HS*#$HS*define$HS+NEED_\w+.*)$/\1$pp/ms) || ($c =~ s/^(?=$HS*#include.*\Q$ppport\E.*?$LF//m) || ($c =~ s/^($HS*#include.*XSUB.*\s*?)$/\1$pp/m) || ($c =~ s/^/$pp/);
    } else {
        if ($file{has_inc_ppport}) {
            diag("No need to include '$ppport'");
            $file{changes} += ($c =~ s/^/$1$ppport\E.*?$LF//m);
        } else {
            if ($file{has_inc_ppport}) {
                diag("No need to include '$ppport'");
                $file{changes} += ($c =~ s/^/$1$ppport\E.*?$LF//m);
            }
        }
    }

    # put back in our C comments
    my $ix;
    my $cppc = 0;
    my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
    if (!($opt{cplusplus} && $ccom[$ix] =~ s!^//!!)) {
        $cppc++;
        $file{changes} += $c =~ s/$rccs$ix$rcce/$ccs$ccom[$ix] $cce/;
    } else {
        $c =~ s/$rccs$ix$rcce/$ccom[$ix]/;
    } } }

if ($cppc) {
    my $s = $cppc != 1 ? 's' : '';
    warning("Uses $cppc C++ style comment$s, which is not portable");
}

my $s = $warnings != 1 ? 's' : ''; my $warn = $warnings ? " ($warnings warning$s)" : ''; info("Analysis completed$warn");

if ($file{changes}) {
    if (exists $opt{copy}) {
        my $newfile = "$filename$opt{copy}";
        if (-e $newfile) {
            error("$newfile' already exists, refusing to write copy of '$filename'");
        } else {
            local *F;
            if (open F, ">$newfile") {
                info("Writing copy of '$filename' with changes to '$newfile'");
                print F $c;
                close F;
            } else {
                error("Cannot open '$newfile' for writing: $!'");
            }
        } } elsif (exists $opt{patch} || $opt{changes}) {
        if (exists $opt{patch}) {
            unless ($patch_opened) {
                if (open PATCH, ">$opt{patch}") {
                    $patch_opened = 1;
                } else {
                    error("Cannot open '$opt{patch}' for writing: $!'");
                    delete $opt{patch};
                    $opt{changes} = 1;
                    goto fallback;
                }
            }
        } else {
            error("Cannot open '$opt{patch}' for writing: $!'");
            delete $opt{patch};
            $opt{changes} = 1;
            goto fallback;
        }
    } else {  // $opt{changes} is not set
        my $bc = 0;
        foreach ($line, @lines) {
            if ($line =~ m/

mydiff(
  \*PATCH, $filename, $c);
} else {
  fallback:
    info("Suggested changes:");
    mydiff(\*STDOUT, $filename, $c);
} } else {
  my $s = $file{changes} == 1 ? '' : 's';
  info("$file{changes} potentially required change$s detected");
} } else {
  info("Looks good");
} }
}

close PATCH if $patch_opened;

exit 0;

sub try_use { eval "use @_;"; return $@ eq "" }

sub mydiff {
  local *F = shift;
  my($file, $str) = @_; 
  my $diff;

  if (exists $opt{diff}) {
    $diff = run_diff($opt{diff}, $file, $str);
  }

  if (!defined $diff and try_use('Text::Diff')) {
    $diff = Text::Diff::diff($file, $str, { STYLE => 'Unified' });
    $diff = "--- $file
+++ $file.patched
HEADERT
HEADER"
  }

  if (!defined $diff) {
    $diff = run_diff('diff -u', $file, $str);
  }
if (!defined $diff) {
    $diff = run_diff('diff', $file, $str);
}

if (!defined $diff) {
    error("Cannot generate a diff. Please install Text::Diff or use --copy.");
    return;
}

print F $diff;
}

sub run_diff
{
    my($prog, $file, $str) = @_;  
    my $tmp = 'dppptemp';
    my $suf = 'aaa';
    my $diff = "
    local *F;

    while (-e "$tmp.$suf") { $suf++ }
    $tmp = "$tmp.$suf";

    if (open F, ">$tmp") {
        print F $str;
        close F;

        if (open F, "$prog $file $tmp |") {
            while (<F>) {
                s/Q$tmp\E/$file.patched/;
                $diff .= $_;
            }
            close F;
            unlink $tmp;
            return $diff;
        }
        else {
            error("Cannot open '$tmp' for writing: $!");
        }
    }
    else {
        error("Cannot open '$tmp' for writing: $!");
    }
    return undef;
}

sub rec_depend
my($func, $seen) = @_;  
return () unless exists $depends{$func};  
$seen = {%{$seen||{}}};  
return () if $seen->{$func}++;  
my %s;  
grep !s{$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}};  
}

sub parse_version  
{
  my $ver = shift;  

  if ($ver =~ /(/d+)/.(\d+)/.(\d+)/) {  
    return ($1, $2, $3);  
  }
  elsif ($ver !~ /^\d+\.[\d_]+$/) {  
    die "cannot parse version '$ver'\n";  
  }

  $ver =~ s/_//g;  
  $ver =~ s/$/000000/;  
  my($r,$v,$s) = $ver =~ /(/d+)/.(\d\{3\})(\d\{3\})/;  

  $v = int $v;  
  $s = int $s;  

  if ($r < 5 || ($r == 5 && $v < 6)) {  
    if ($s % 10) {  
      die "cannot parse version '$ver'\n";  
    }
  }

  return ($r, $v, $s);  
}

sub format_version  
{
  my $ver = shift;  

  $ver =~ s/$/000000/;  
  my($r,$v,$s) = $ver =~ /(/d+)/.(\d\{3\})(\d\{3\})/;  

  $v = int $v;  
  $s = int $s;  

  if ($r < 5 || ($r == 5 && $v < 6)) {  

if ($s % 10) {
  die "invalid version $ver\n";
}
$s /= 10;

$ver = sprintf "%d.%03d", $r, $v;
$s > 0 and $ver .= sprintf "._%02d", $s;

return $ver;
}

return sprintf "%d.%d.%d", $r, $v, $s;
}

sub info
{
  $opt{quiet} and return;
  print @_, "\n";
}

sub diag
{
  $opt{quiet} and return;
  $opt{diag} and print @_, "\n";
}

sub warning
{
  $opt{quiet} and return;
  print "*** ", @_, "\n";
}

sub error
{
  print "*** ERROR: ", @_, "\n";
}

my %given_hints;
my %given_warnings;
sub hint
{
  $opt{quiet} and return;
  my $func = shift;
  my $rv = 0;
  if (exists $warnings{$func} && !$given_warnings{$func}++) {
    my $warn = $warnings{$func};
    $warn =~ s!^!*** !mg;
    print "*** WARNING: $func\n", $warn;
$rv++;
}
if ($opt{hints} && exists $hints{$func} && !$given_hints{$func}++) {
    my $hint = $hints{$func};
    $hint =~ s/^/   /mg;
    print "   --- hint for $func ---\n", $hint;
}
$rv;
}

sub usage {
    my($usage) = do { local(@ARGV,$/)=($0); <> } =~ /^=head\d$HS+SYNOPSIS\s*^(.*?)\s*^=/ms;
    my %M = ( 'I' => '*' );
    $usage =~ s/\s*perl\s+\S+/ $^X $0/;
    $usage =~ s/(\[A-Z\])<\[^>]+>/ $M{$1}$2$M{$1}/g;
    print <<ENDUSAGE;
Usage: $usage
See perldoc $0 for details.
ENDUSAGE
    exit 2;
}

sub strip {
    my $self = do { local(@ARGV,$/)=($0); <> };  
    my($copy) = $self =~ /^=head\d+COPYRIGHT\s*^(.*?)$\w+/ms;
    $copy =~ s/^(?=$S+)/    /gms;
    $self =~ s/^$HS+Do NOT edit.*?(?=^-)/$copy/ms;
    $self =~ s/^SKIP.*(?=^__DATA__)/SKIP if (@ARGV && $ARGV[0] eq '--unstrip') {
        eval { require Devel::PPPort };  
        $@ and die "Cannot require Devel::PPPort, please install.\n";
        if (eval $Devel::PPPort::VERSION < $VERSION) {
            die "$0 was originally generated with Devel::PPPort $VERSION,\n" .  "Your Devel::PPPort is only version $Devel::PPPort::VERSION,\n" .  "Please install a newer version, or --unstrip will not work.\n";
        }
        Devel::PPPort::WriteFile($0);
        exit 0;
    }
    print <<END;
Sorry, but this is a stripped version of \$0.

To be able to use its original script and doc functionality, please try to regenerate this file using:

\$\texttt{^X \$0 --unstrip}\n
END

open OUT, ">$0" or die "cannot strip \$0: $!\n"

exit 0;

__DATA__

*/

Found in path(s):
* /opt/cola/permits/1125845412_1611461012.39/0/perl-version-0.99.24-1.el8-1.src.rpm-cosi-expand-archive-7Oca4SMD/version-0.9924.tar.gz-cosi-expand-archive-xflW0bmC/version-0.9924/vutil/ppport.h

No license file was found, but licenses were detected in source scan.

version 0.9924

==================================

Object oriented versions for all Perl releases from 5.6.2 onward. Replaces the core version code for all Perl releases from 5.10.0 onwards.

Although this code has been fully integrated into the latest Perl release itself (e.g. bleadperl), the CPAN release is considered upstream. The source code itself is available from:

https://github.com/JohnPeacock/version.pm.git

and a bug queue here:
Patches welcomed.

IMPORTANT NOTE - 0.9906 is the last release that fully supports Perl releases prior to 5.6.2. It is just too much trouble to continue to fight to maintain full backward compatibility.

YOU SHOULD INSTALL THIS RELEASE WHEN USING VERSION OBJECTS IN PERL 5.10.0. There was a bug caused by objects serialized by YAML that will cause Perl 5.10.0 to segfault. As long as some module calls 'use version', then the replacement code will take effect and Perl will not crash.

Please read the POD documentation for usage/details. See the CHANGES file for full details of all changes to the module behavior.

INSTALLATION

To install this module type the following:

$ perl Makefile.PL
$ make
$ make test
# make install

This release includes an optional pure Perl implementation (in case you don't have a C-compiler or if some reason you want your code to be much slower). You can test it by replacing the first line above with:

$ perl Makefile.PL --perl_only

and it will install the Perl only version.

DEPENDENCIES

The same C compiler used to build Perl (or not).

COPYRIGHT AND LICENCE

This module can be distributed under the same terms as Perl.

Copyright (C) 2004-2018 John Peacock

Found in path(s):
* /opt/cola/permits/1125845412_1611461012.39/0/perl-version-0.99.24-1.el8-1.src.rpm-cosi-expand-archive-7Oca4SMD/version-0.9924.tar.gz-cosi-expand-archive-xIW0bmC/version-0.9924/README
No license file was found, but licenses were detected in source scan.

---
abstract: 'Structured version objects'
author:
  - 'John Peacock <jpeacock@cpan.org>'
build_requires:
  ExtUtils::MakeMaker: '0'
  File::Temp: '0.13'
  Test::More: '0.45'
  parent: '0.221'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: version
no_index:
directory:
  - t
  - inc
package:
  - charstar
requires:
  perl: '5.006002'
resources:
  bugtracker: https://rt.cpan.org/Public/Dist/Display.html?Name=version
  repository: git://github.com/JohnPeacock/version.pm.git
  version: '0.9924'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):
  /opt/cola/permits/1125845412_1611461012.39/0/perl-version-0.99.24-1.el8-1.src.rpm-cosi-expand-archive-7Oca4SMD/version-0.9924.tar.gz-cosi-expand-archive-xfIW0bmC/version-0.9924/META.yml
No license file was found, but licenses were detected in source scan.

=head1 NAME

version::Internals - Perl extension for Version Objects

=head1 DESCRIPTION

Overloaded version objects for all modern versions of Perl. This documents
the internal data representation and underlying code for version.pm. See
F<version.pod> for daily usage. This document is only useful for users
interested in the gory details.

=head1 WHAT IS A VERSION?

For the purposes of this module, a version "number" is a sequence of positive integer values separated by one or more decimal points and optionally a single underscore. This corresponds to what Perl itself uses for a version, as well as extending the "version as number" that is discussed in the various editions of the Camel book.

There are actually two distinct kinds of version objects:

=over 4

=item Decimal versions

Any version which "looks like a number", see L<Decimal Versions>. This also includes versions with a single decimal point and a single embedded underscore, see L<Alpha Versions>, even though these must be quoted to preserve the underscore formatting.

=item Dotted-Decimal versions

Also referred to as "Dotted-Integer", these contains more than one decimal point and may have an optional embedded underscore, see L<Dotted-Decimal Versions>. This is what is commonly used in most open source software as the "external" version (the one used as part of the tag or tarfile name). A leading 'v' character is now required and will warn if it missing.

=back

Both of these methods will produce similar version objects, in that the default stringification will yield the version L<Normal Form> only if required:

```
$v  = version->new(1.002);     # 1.002, but compares like 1.2.0
$v  = version->new(1.002003); # 1.002003
$v2 = version->new("v1.2.3"); # v1.2.3
```

In specific, version numbers initialized as L<Decimal Versions> will stringify as they were originally created (i.e. the same string that was passed to C<new>). Version numbers initialized as L<Dotted-Decimal Versions> will be stringified as L<Normal Form>.

=head2 Decimal Versions

These correspond to historical versions of Perl itself prior to 5.6.0, as well as all other modules which follow the Camel rules for the
$VERSION scalar. A Decimal version is initialized with what looks like a floating point number. Leading zeros are significant and trailing zeros are implied so that a minimum of three places is maintained between subversions. What this means is that any subversion (digits to the right of the decimal place) that contains less than three digits will have trailing zeros added to make up the difference, but only for purposes of comparison with other version objects. For example:

```
# Prints     Equivalent to
$v = version->new(  1.2);    # 1.2        v1.200.0
$v = version->new(  1.02);    # 1.02       v1.20.0
$v = version->new(  1.002);   # 1.002      v1.2.0
$v = version->new(  1.0023);  # 1.0023     v1.2.300
$v = version->new(  1.00203); # 1.00203    v1.2.30
$v = version->new(  1.002003);# 1.002003   v1.2.3
```

All of the preceding examples are true whether or not the input value is quoted. The important feature is that the input value contains only a single decimal. See also L<Alpha Versions>.

IMPORTANT NOTE: As shown above, if your Decimal version contains more than 3 significant digits after the decimal place, it will be split on each multiple of 3, so 1.0003 is equivalent to v1.0.300, due to the need to remain compatible with Perl's own 5.005_03 == 5.5.30 interpretation. Any trailing zeros are ignored for mathematical comparison purposes.

=head2 Dotted-Decimal Versions

These are the newest form of versions, and correspond to Perl's own version style beginning with 5.6.0. Starting with Perl 5.10.0, and most likely Perl 6, this is likely to be the preferred form. This method normally requires that the input parameter be quoted, although Perl's after 5.8.1 can use v-strings as a special form of quoting, but this is highly discouraged.

Unlike L<Decimal Versions>, Dotted-Decimal Versions have more than a single decimal point, e.g.:

```
# Prints
$v = version->new("v1.200"); # v1.200.0
$v = version->new("v1.20.0"); # v1.20.0
$v = qv("v1.2.3");            # v1.2.3
$v = qv("1.2.3");            # v1.2.3
$v = qv("1.20");             # v1.20.0
```

In general, Dotted-Decimal Versions permit the greatest amount of freedom to specify a version, whereas Decimal Versions enforce a certain uniformity.
Just like L</Decimal Versions>, Dotted-Decimal Versions can be used as L</Alpha Versions>.

=head2 Alpha Versions

For module authors using CPAN, the convention has been to note unstable releases with an underscore in the version string. (See L<CPAN>.) version.pm follows this convention and alpha releases will test as being newer than the more recent stable release, and less than the next stable release. Only the last element may be separated by an underscore:

# Declaring
use version 0.77; our $VERSION = version->declare("v1.2_3");

# Parsing
$v1 = version->parse("v1.2_3");
$v1 = version->parse("1.002_003");

Note that you B<must> quote the version when writing an alpha Decimal version. The stringified form of Decimal versions will always be the same string that was used to initialize the version object.

=head2 Regular Expressions for Version Parsing

A formalized definition of the legal forms for version strings is included in the C<version::regex> class. Primitives are included for common elements, although they are scoped to the file so they are useful for reference purposes only. There are two publicly accessible scalars that can be used in other code (not exported):

=over 4

=item C<$version::LAX>

This regexp covers all of the legal forms allowed under the current version string parser. This is not to say that all of these forms are recommended, and some of them can only be used when quoted.

For dotted decimals:

v1.2
1.2345.6
v1.23_4

The leading 'v' is optional if two or more decimals appear. If only a single decimal is included, then the leading 'v' is required to trigger the dotted-decimal parsing. A leading zero is permitted,
though not recommended except when quoted, because of the risk that Perl will treat the number as octal. A trailing underscore plus one or more digits denotes an alpha or development release (and must be quoted to be parsed properly).

For decimal versions:

```
1.2345
1.2345_01
```

an integer portion, an optional decimal point, and optionally one or more digits to the right of the decimal are all required. A trailing underscore is permitted and a leading zero is permitted. Just like the lax dotted-decimal version, quoting the values is required for alpha/development forms to be parsed correctly.

=item C<$version::STRICT>

This regexp covers a much more limited set of formats and constitutes the best practices for initializing version objects. Whether you choose to employ decimal or dotted-decimal for is a personal preference however.

=over 4

=item v1.234.5

For dotted-decimal versions, a leading 'v' is required, with three or more sub-versions of no more than three digits. A leading 0 (zero) before the first sub-version (in the above example, '1') is also prohibited.

=item 2.3456

For decimal versions, an integer portion (no leading 0), a decimal point, and one or more digits to the right of the decimal are all required.

=back

Both of the provided scalars are already compiled as regular expressions and do not contain either anchors or implicit groupings, so they can be included in your own regular expressions freely. For example, consider the following code:

```perl
($pkg, $ver) =~ /
^\[ \t\]*
```
use \s+($PKGNAME)\s*(?:\s+($version::STRICT))\s*;$
/x;

This would match a line of the form:

use Foo::Bar::Baz v1.2.3;  # legal only in Perl 5.8.1+

where C<$PKGNAME> is another regular expression that defines the legal forms for package names.

=head1 IMPLEMENTATION DETAILS

=head2 Equivalence between Decimal and Dotted-Decimal Versions

When Perl 5.6.0 was released, the decision was made to provide a transformation between the old-style decimal versions and new-style dotted-decimal versions:

5.6.0    == 5.006000
5.005_04 == 5.5.40

The floating point number is taken and split first on the single decimal place, then each group of three digits to the right of the decimal makes up the next digit, and so on until the number of significant digits is exhausted, B<plus> enough trailing zeros to reach the next multiple of three.

This was the method that version.pm adopted as well. Some examples may be helpful:

<table>
<thead>
<tr>
<th>equivalent</th>
<th>zero-padded</th>
<th>dotted-decimal</th>
</tr>
</thead>
<tbody>
<tr>
<td>decimal</td>
<td>zero-padded</td>
<td>dotted-decimal</td>
</tr>
<tr>
<td>-------</td>
<td>-----------</td>
<td>---------------</td>
</tr>
<tr>
<td>1.2</td>
<td>1.200</td>
<td>v1.200.0</td>
</tr>
<tr>
<td>1.02</td>
<td>1.020</td>
<td>v1.20.0</td>
</tr>
<tr>
<td>1.002</td>
<td>1.002</td>
<td>v1.2.0</td>
</tr>
<tr>
<td>1.0023</td>
<td>1.002300</td>
<td>v1.2.300</td>
</tr>
<tr>
<td>1.00203</td>
<td>1.002030</td>
<td>v1.2.30</td>
</tr>
<tr>
<td>1.002003</td>
<td>1.002003</td>
<td>v1.2.3</td>
</tr>
</tbody>
</table>

=head2 Quoting Rules

Because of the nature of the Perl parsing and tokenizing routines, certain initialization values B<must> be quoted in order to correctly parse as the intended version, especially when using the C<declare> or L</qv()> methods. While you do not have to quote decimal numbers when creating version objects, it is always safe to quote B<all> initial values.
when using version.pm methods, as this will ensure that what you type is what is used.

Additionally, if you quote your initializer, then the quoted value that goes B<in> will be exactly what comes B<out> when your $VERSION is printed (stringified). If you do not quote your value, Perl's normal numeric handling comes into play and you may not get back what you were expecting.

If you use a mathematic formula that resolves to a floating point number, you are dependent on Perl's conversion routines to yield the version you expect. You are pretty safe by dividing by a power of 10, for example, but other operations are not likely to be what you intend. For example:

```perl
.VERSION = version->new((qw$Revision: 1.4))[1]/10;
print $VERSION;       # yields 0.14
$V2 = version->new(100/9);  # Integer overflow in decimal number
print $V2;           # yields something like 11.111.111.100
```

Perl 5.8.1 and beyond are able to automatically quote v-strings but that is not possible in earlier versions of Perl. In other words:

```perl
.VERSION = version->new("v2.5.4");  # legal in all versions of Perl
$newver = version->new(v2.5.4);  # legal only in Perl >= 5.8.1
```

=head2 What about v-strings?

There are two ways to enter v-strings: a bare number with two or more decimal points, or a bare number with one or more decimal points and a leading 'v' character (also bare). For example:

```perl
$vs1 = 1.2.3;  # encoded as \1\2\3
$vs2 = v1.2;   # encoded as \1\2
```

However, the use of bare v-strings to initialize version objects is B<strongly> discouraged in all circumstances. Also, bare v-strings are not completely supported in any version of Perl prior to 5.8.1.

If you insist on using bare v-strings with Perl > 5.6.0, be aware of the following limitations:

1) For Perl releases 5.6.0 through 5.8.0, the v-string code merely guesses, based on some characteristics of v-strings. You B<must> use a three part version, e.g. 1.2.3 or v1.2.3 in order for this heuristic to be successful;

2) For Perl releases 5.8.1 and later, v-strings have changed in the Perl core to be magical, which means that the version.pm code can automatically determine whether the v-string encoding was used.
3) In all cases, a version created using v-strings will have a stringified form that has a leading 'v' character, for the simple reason that sometimes it is impossible to tell whether one was present initially.

=head2 Version Object Internals

version.pm provides an overloaded version object that is designed to both encapsulate the author's intended $VERSION assignment as well as make it completely natural to use those objects as if they were numbers (e.g. for comparisons). To do this, a version object contains both the original representation as typed by the author, as well as a parsed representation to ease comparisons. Version objects employ L<overload> methods to simplify code that needs to compare, print, etc the objects.

The internal structure of version objects is a blessed hash with several components:

bless( {
    'original' => 'v1.2.3_4',
    'alpha' => 1,
    'qv' => 1,
    'version' => [1, 2, 3, 4],
}, 'version' );

=item original

A faithful representation of the value used to initialize this version object. The only time this will not be precisely the same characters that exist in the source file is if a short dotted-decimal version like v1.2 was used (in which case it will contain 'v1.2'). This form is B<STRONGLY> discouraged, in that it will confuse you and your users.

=item qv

A boolean that denotes whether this is a decimal or dotted-decimal version. See L<version/is_qv()>.

=item alpha

A boolean that denotes whether this is an alpha version. NOTE: that the
underscore can only appear in the last position. See L<version/is_alpha()>.

=item version

An array of non-negative integers that is used for comparison purposes with other version objects.

=back

=head2 Replacement UNIVERSAL::VERSION

In addition to the version objects, this module replaces the core UNIVERSAL::VERSION function with one that uses version objects for its comparisons. The return from this operator is always the stringified form as a simple scalar (i.e. not an object), but the warning message generated includes either the stringified form or the normal form, depending on how it was called.

For example:

    package Foo;
    $VERSION = 1.2;

    package Bar;
    $VERSION = "v1.3.5"; # works with all Perl's (since it is quoted)

    package main;
    use version;

    print $Foo::VERSION; # prints 1.2
    print $Bar::VERSION; # prints 1.003005

    eval "use foo 10";
    print $@; # prints "foo version 10 required..."
    eval "use foo 1.3.5; # work in Perl 5.6.1 or better
    print $@; # prints "foo version 1.3.5 required..."

    eval "use bar 1.3.6";
    print $@; # prints "bar version 1.3.6 required..."
    eval "use bar 1.004"; # note Decimal version
    print $@; # prints "bar version 1.004 required..."

IMPORTANT NOTE: This may mean that code which searches for a specific string (to determine whether a given module is available) may need to be changed. It is always better to use the built-in comparison implicit in C<use> or C<require>, rather than manually poking at C<< class->VERSION >>
and then doing a comparison yourself.

The replacement UNIVERSAL::VERSION, when used as a function, like this:

\[ \text{print } \text{module->VERSION; } \]

will also exclusively return the stringified form. See L</Stringification> for more details.

=head1 USAGE DETAILS

=head2 Using modules that use version.pm

As much as possible, the version.pm module remains compatible with all current code. However, if your module is using a module that has defined \$VERSION using the version class, there are a couple of things to be aware of. For purposes of discussion, we will assume that we have the following module installed:

```perl
package Example;
use version;  \$VERSION = qv('1.2.2');
...module code here...
1;
```

=item Decimal versions always work

Code of the form:

```perl
use Example 1.002003;
```

will always work correctly. The use will perform an automatic \$VERSION comparison using the floating point number given as the first term after the module name (e.g. above 1.002.003). In this case, the installed module is too old for the requested line, so you would see an error like:

Example version 1.002003 (v1.2.3) required--this is only version 1.002002 (v1.2.2)...

=item Dotted-Decimal version work sometimes

With Perl >= 5.6.2, you can also use a line like this:

```perl
use Example 1.2.3;
```

and it will again work (i.e. give the error message as above), even with releases of Perl which do not normally support v-strings (see L</What about v-strings?> above). This has to do with
that fact that C<use> only checks
to see if the second term I<looks like a number> and passes that to the
replacement L<UNIVERSAL::VERSION>UNIVERSAL/VERSION>. This is not true in Perl 5.005_04,
however, so you are B<strongly encouraged> to always use a Decimal version
in your code, even for those versions of Perl which support the Dotted-Decimal
version.

=back

=head2 Object Methods

=over 4

=item new()

Like many OO interfaces, the new() method is used to initialize version
objects. If two arguments are passed to C<new()>, the B<second> one will be
used as if it were prefixed with "v". This is to support historical use of the
C<qw> operator with the CVS variable $Revision, which is automatically
incremented by CVS every time the file is committed to the repository.

In order to facilitate this feature, the following
code can be employed:

$VERSION = version->new(qw$Revision: 2.7 $);

and the version object will be created as if the following code
were used:

$VERSION = version->new("v2.7");

In other words, the version will be automatically parsed out of the
string, and it will be quoted to preserve the meaning CVS normally
carries for versions. The CVS $Revision$ increments differently from
Decimal versions (i.e. 1.10 follows 1.9), so it must be handled as if
it were a Dotted-Decimal Version.

A new version object can be created as a copy of an existing version
object, either as a class method:

$v1 = version->new(12.3);
$v2 = version->new($v1);

or as an object method:

$v1 = version->new(12.3);
$v2 = $v1->new(12.3);
and in each case, \$v1 and \$v2 will be identical. NOTE: if you create
a new object using an existing object like this:

\$
v2 = \$v1->new();

the new object \textit{will not} be a clone of the existing object. In the
example case, \$v2 will be an empty object of the same type as \$v1.

=back

=over 4

=item qv()

An alternate way to create a new version object is through the exported
qv() sub. This is not strictly like other q? operators (like qq, qw),
in that the only delimiters supported are parentheses (or spaces). It is
the best way to initialize a short version without triggering the floating
point interpretation. For example:

\$
v1 = qv(1.2); \quad \# \text{v1.2.0}
\$
v2 = qv("1.2"); \quad \# \text{also v1.2.0}

As you can see, either a bare number or a quoted string can usually
be used interchangeably, except in the case of a trailing zero, which
must be quoted to be converted properly. For this reason, it is strongly
recommended that all initializers to qv() be quoted strings instead of
bare numbers.

To prevent the C<qv()> function from being exported to the caller's namespace,
either use version with a null parameter:

use version ();

or just require version, like this:

require version;

Both methods will prevent the import() method from firing and exporting the
C<qv()> sub.

=back

For the subsequent examples, the following three objects will be used:

\$
ver = version->new("1.2.3.4"); \# see "Quoting Rules"
\$alpha = version->new("1.2.3_4"); \# see "Alpha Versions"
\$nver = version->new(1.002); \quad \# see "Decimal Versions"
Item Normal Form

For any version object which is initialized with multiple decimal places (either quoted or if possible v-string), or initialized using the L<qv()> operator, the stringified representation is returned in a normalized or reduced form (no extraneous zeros), and with a leading 'v':

print $ver->normal;         # prints as v1.2.3.4
print $ver->stringify;      # ditto
print $ver;                 # ditto
print $nver->normal;        # prints as v1.2.0
print $nver->stringify;     # prints as 1.002,
    # see "Stringification"

In order to preserve the meaning of the processed version, the normalized representation will always contain at least three sub terms. In other words, the following is guaranteed to always be true:

my $newver = version->new($ver->stringify);
if ($newver eq $ver ) # always true
    {...}

Item Numification

Although all mathematical operations on version objects are forbidden by default, it is possible to retrieve a number which corresponds to the version object through the use of the $obj->numify method. For formatting purposes, when displaying a number which corresponds a version object, all sub versions are assumed to have three decimal places. So for example:

print $ver->numify;         # prints 1.002003004
print $nver->numify;        # prints 1.002

Unlike the stringification operator, there is never any need to append trailing zeros to preserve the correct version value.
=item Stringification

The default stringification for version objects returns exactly the same string as was used to create it, whether you used C<new()> or C<qv()>, with one exception. The sole exception is if the object was created using C<qv()> and the initializer did not have two decimal places or a leading 'v' (both optional), then the stringified form will have a leading 'v' prepended, in order to support round-trip processing.

For example:

<table>
<thead>
<tr>
<th>Initialized as</th>
<th>Stringifies to</th>
</tr>
</thead>
<tbody>
<tr>
<td>version-&gt;new(&quot;1.2&quot;)</td>
<td>1.2</td>
</tr>
<tr>
<td>version-&gt;new(&quot;v1.2&quot;)</td>
<td>v1.2</td>
</tr>
<tr>
<td>qv(&quot;1.2.3&quot;)</td>
<td>1.2.3</td>
</tr>
<tr>
<td>qv(&quot;v1.3.5&quot;)</td>
<td>v1.3.5</td>
</tr>
<tr>
<td>qv(&quot;1.2&quot;)</td>
<td>v1.2</td>
</tr>
</tbody>
</table>

### exceptional case

See also L<UNIVERSAL::VERSION|UNIVERSAL/VERSION>, as this also returns the stringified form when used as a class method.

IMPORTANT NOTE: There is one exceptional case shown in the above table where the "initializer" is not stringwise equivalent to the stringified representation. If you use the C<qv()> operator on a version without a leading 'v' B<and> with only a single decimal place, the stringified output will have a leading 'v', to preserve the sense. See the L</qv()> operator for more details.

IMPORTANT NOTE 2: Attempting to bypass the normal stringification rules by manually applying L<numify()|version/numify()> and L<normal()|version/normal()> will sometimes yield surprising results:

```perl
print version->new(version->new("v1.0")->numify)->normal; # v1.0.0
```

The reason for this is that the L<numify()|version/numify()> operator will turn "v1.0" into the equivalent string "1.000000". Forcing the outer version object to L<normal()|version/normal()> form will display the mathematically equivalent "v1.0.0".

As the example in L</new()> shows, you can always create a copy of an existing version object with the same value by the very compact:

```perl
$v2 = $v1->new($v1);
```

and be assured that both C<$v1> and C<$v2> will be completely equivalent, down to the same internal representation as well as stringification.

=back
Comparison operators

Both `C<cmp>` and `C<lt>=E<gt>>` operators perform the same comparison between terms (upgrading to a version object automatically). Perl automatically generates all of the other comparison operators based on those two. In addition to the obvious equalities listed below, appending a single trailing 0 term does not change the value of a version for comparison purposes. In other words "v1.2" and "1.2.0" will compare as identical.

For example, the following relations hold:

<table>
<thead>
<tr>
<th>As Number</th>
<th>As String</th>
<th>Truth Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ver &gt; 1.0</td>
<td>$ver gt &quot;1.0&quot;</td>
<td>true</td>
</tr>
<tr>
<td>$ver &lt; 2.5</td>
<td>$ver lt</td>
<td>true</td>
</tr>
<tr>
<td>$ver != 1.3</td>
<td>$ver ne &quot;1.3&quot;</td>
<td>true</td>
</tr>
<tr>
<td>$ver == 1.2</td>
<td>$ver eq &quot;1.2&quot;</td>
<td>false</td>
</tr>
<tr>
<td>$ver == 1.2.3.4</td>
<td>$ver eq &quot;1.2.3.4&quot;</td>
<td>see discussion below</td>
</tr>
</tbody>
</table>

It is probably best to choose either the Decimal notation or the string notation and stick with it, to reduce confusion. Perl6 version objects B<may> only support Decimal comparisons. See also L<Quoting Rules>.

WARNING: Comparing version with unequal numbers of decimal points (whether explicitly or implicitly initialized), may yield unexpected results at first glance. For example, the following inequalities hold:

```
version->new(0.96)  > version->new(0.95); # 0.960.0 > 0.950.0
version->new("0.96.1") < version->new(0.95); # 0.096.1 < 0.950.0
```

For this reason, it is best to use either exclusively L<Decimal Versions> or L<Dotted-Decimal Versions> with multiple decimal points.

Logical Operators

If you need to test whether a version object has been initialized, you can simply test it directly:

```
$vobj = version->new($something);
if ( $vobj ) # true only if $something was non-blank
```
You can also test whether a version object is an alpha version, for example to prevent the use of some feature not present in the main release:

```perl
$vobj = version->new("1.2_3"); # MUST QUOTE
...later...
if ( $vobj->is_alpha )  # True
```

=head1 AUTHOR

John Peacock E<lt>jpeacock@cpan.orgE<gt>

=head1 SEE ALSO

L<perl>:

=cut

Found in path(s):
* /opt/cola/permits/1125845412_1611461012.39/0/perl-version-0.99.24-1.el8-1.src.rpm-cosi-expand-archive-7Oca4SMD/version-0.9924.tar.gz-cosi-expand-archive-xffW0bmcC/version-0.9924/lib/version/Internals.pod
No license file was found, but licenses were detected in source scan.

License:   GPL+ or Artistic

Found in path(s):
* /opt/cola/permits/1125845412_1611461012.39/0/perl-version-0.99.24-1.el8-1.src.rpm-cosi-expand-archive-7Oca4SMD/perl-version.spec

1.846 geronimo-stax-api 1.0.1

1.847 hk2-utils 2.4.0-b34

1.847.1 Available under license:

CDDL + GPLv2 with classpath exception
https://glassfish.java.net/nonav/public/CDDL+GPL_1_1.html
A business-friendly OSS license

1.848 libedit 3.1 23.20170329cvs.el8
1.848.1 Available under license:

Copyright (c) 1992, 1993
The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by
Christos Zoulas of Cornell University.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors
may be used to endorse or promote products derived from this software
without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

1.849 avahi 0.7 19.el8

1.849.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of
any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License
may add an explicit geographical distribution limitation excluding those
countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and
"any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms
of the ordinary General Public License).

To apply these terms, attach the following notices to the library.
It is safest to attach them to the start of each source file to most
effectively convey the exclusion of warranty; and each file should
have at least the "copyright" line and a pointer to where the full
notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.850 jetty 9.4.11.v20180605

1.851 tink 1.2.1

1.852 plymouth 0.9.3-15.el8
1.852.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it.
either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable
      source code, which must be distributed under the terms of Sections
      1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three
      years, to give any third party, for a charge no more than your
      cost of physically performing source distribution, a complete
      machine-readable copy of the corresponding source code, to be
      distributed under the terms of Sections 1 and 2 above on a medium
      customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANT
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.853 libnftnl 1.1.5 4.el8
1.853.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a
notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) 19yy name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the program
    `Gnomovision' (which makes passes at compilers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.854 spring-beans 2.5.6
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.
"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
    Derivative Works a copy of this License; and
(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS.
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[ ]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.855 perl-pathtools 3.74-1.el8

1.855.1 Available under license:

No license file was found, but licenses were detected in source scan.

=head1 NAME

File::Spec::Functions - portably perform operations on file names

=head1 SYNOPSIS

use File::Spec::Functions;
$x = catfile('a','b');

=head1 DESCRIPTION

This module exports convenience functions for all of the class methods provided by File::Spec.

For a reference of available functions, please consult L<File::Spec::Unix>, which contains the entire set, and which is inherited by the modules for other platforms. For further information, please see L<File::Spec::Mac>, L<File::Spec::OS2>, L<File::Spec::Win32>, or L<File::Spec::VMS>.

=head2 Exports

The following functions are exported by default.

canonpath
catdir
catfile
curdir
rootdir
updir
no_upwards
file_name_is_absolute
The following functions are exported only by request.

devnull
tmpdir
splitpath
splitdir
catpath
abs2rel
rel2abs
case_tolerant

All the functions may be imported using the C<:ALL> tag.

=head1 COPYRIGHT

Copyright (c) 2004 by the Perl 5 Porters. All rights reserved.

This program is free software; you can redistribute it and/or modify
it under the same terms as Perl itself.

=head1 SEE ALSO

File::Spec, File::Spec::Unix, File::Spec::Mac, File::Spec::OS2,
File::Spec::Win32, File::Spec::VMS, ExtUtils::MakeMaker

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/lib/File/Spec/Functions.pm
No license file was found, but licenses were detected in source scan.

/* See
 * for the details of why the BSD license is compatible with the
 * AL/GPL standard perl license.
 */
/*
 * Copyright (c) 2003 Constantin S. Svitsoff <kostik@iclub.nsu.ru>
 * *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The names of the authors may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/Cwd.xs

No license file was found, but licenses were detected in source scan.

/*

---------------------------------------------------------------------

ppport.h -- Perl/Pollution/Portability Version 3.39

Automatically created by Devel::PPPort running under perl 5.027009.

Do NOT edit this file directly! -- Edit PPPort_pm.PL and the includes in parts/inc/ instead.

Use 'perldoc ppport.h' to view the documentation below.

---------------------------------------------------------------------

SKIP

=pod

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.39
SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help  show short help
--version  show version
--patch=file  write one patch file with changes
--copy=suffix  write changed copies with suffix
--diff=program  use diff program and options
--compat-version=version  provide compatibility with Perl version
--cplusplus  accept C++ comments
--quiet  don't output anything except fatal errors
--nodiag  don't show diagnostics
--nohints  don't show hints
--nochanges  don't suggest changes
--nofilter  don't filter input files
--strip  strip all script and doc functionality from ppport.h
--list-provided  list provided API
--list-unsupported  list unsupported API
--api-info=name  show Perl API portability information

COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.20.

OPTIONS

-help
Display a brief usage summary.

-version
Display the version of F<ppport.h>.

-patch=I<file>
If this option is given, a single patch file will be created if
any changes are suggested. This requires a working diff program to be installed on your system.

=head2 --copy=I<suffix>

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs. Note that this does not automagically add a dot between the original filename and the suffix. If you want the dot, you have to include it in the option argument.

If neither C<--patch> or C<--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

=head2 --diff=I<program>

Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.

=head2 --compat-version=I<version>

Tell F<ppport.h> to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003. You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.

=head2 --cplusplus

Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.

=head2 --quiet

Be quiet. Don't print anything except fatal errors.

=head2 --nodiag

Don't output any diagnostic messages. Only portability alerts will be printed.
Don't output any hints. Hints often contain useful portability notes. Warnings will still be displayed.

=head2 --nochanges

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>. This reduces the size of F<ppport.h> dramatically and may be useful if you want to include F<ppport.h> in smaller modules without increasing their distribution size too much.

The stripped F<ppport.h> will have a C<--unstrip> option that allows you to undo the stripping, but only if an appropriate C<Devel::PPPort> module is installed.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.

=head2 --list-unsupported

Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching I<name>. If I<name> is surrounded by slashes, it is interpreted as a regular expression.

=head1 DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

=over 4
Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

    perl ppport.h --list-provided

to see which API elements are provided by ppport.h.

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h> will provide wrappers for older Perl versions.

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define>s in your source code before the inclusion of F<ppport.h>.

These functions or variables will be marked C<explicit> in the list shown by C<--list-provided>.

Depending on whether you module has a single or multiple files that use such functions or variables, you want either C<static> or global variants.

For a C<static> function or variable (used only in a single source file), use:

    #define NEED_function
    #define NEED_variable

For a global function or variable (used in multiple source files), use:

    #define NEED_function_GLOBAL
    #define NEED_variable_GLOBAL

Note that you mustn't have more than one global request for the same function or variable in your project.
<table>
<thead>
<tr>
<th>Function / Variable</th>
<th>Static Request</th>
<th>Global Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL_parser</td>
<td>NEED_PL_parser</td>
<td>NEED_PL_parser_GLOBAL</td>
</tr>
<tr>
<td>PL_signals</td>
<td>NEED_PL_signals</td>
<td>NEED_PL_signals_GLOBAL</td>
</tr>
<tr>
<td>SvRX()</td>
<td>NEED_SvRX</td>
<td>NEED_SvRX_GLOBAL</td>
</tr>
<tr>
<td>caller_cx()</td>
<td>NEED_caller_cx</td>
<td>NEED_caller_cx_GLOBAL</td>
</tr>
<tr>
<td>croak_xs_usage()</td>
<td>NEED_croak_xs_usage</td>
<td>NEED_croak_xs_usage_GLOBAL</td>
</tr>
<tr>
<td>die_sv()</td>
<td>NEED_die_sv</td>
<td>NEED_die_sv_GLOBAL</td>
</tr>
<tr>
<td>eval_pv()</td>
<td>NEED_eval_pv</td>
<td>NEED_eval_pv_GLOBAL</td>
</tr>
<tr>
<td>grok_bin()</td>
<td>NEED_grok_bin</td>
<td>NEED_grok_bin_GLOBAL</td>
</tr>
<tr>
<td>grok_hex()</td>
<td>NEED_grok_hex</td>
<td>NEED_grok_hex_GLOBAL</td>
</tr>
<tr>
<td>grok_number()</td>
<td>NEED_grok_number</td>
<td>NEED_grok_number_GLOBAL</td>
</tr>
<tr>
<td>grok_numeric_radix()</td>
<td>NEED_grok_numeric_radix</td>
<td>NEED_grok_numeric_radix_GLOBAL</td>
</tr>
<tr>
<td>grok_oct()</td>
<td>NEED_grok_oct</td>
<td>NEED_grok_oct_GLOBAL</td>
</tr>
<tr>
<td>gv_fetchpvn_flags()</td>
<td>NEED_gv_fetchpvn_flags</td>
<td>NEED_gv_fetchpvn_flags_GLOBAL</td>
</tr>
<tr>
<td>load_module()</td>
<td>NEED_load_module</td>
<td>NEED_load_module_GLOBAL</td>
</tr>
<tr>
<td>mess()</td>
<td>NEED_mess</td>
<td>NEED_mess_GLOBAL</td>
</tr>
<tr>
<td>mess_noccontext()</td>
<td>NEED_mess_noccontext</td>
<td>NEED_mess_noccontext_GLOBAL</td>
</tr>
<tr>
<td>mg_findext()</td>
<td>NEED_mg_findext</td>
<td>NEED_mg_findext_GLOBAL</td>
</tr>
<tr>
<td>my_snprintf()</td>
<td>NEED_my_snprintf</td>
<td>NEED_my_snprintf_GLOBAL</td>
</tr>
<tr>
<td>my_sprintf()</td>
<td>NEED_my_sprintf</td>
<td>NEED_my_sprintf_GLOBAL</td>
</tr>
<tr>
<td>my_strlcat()</td>
<td>NEED_my_strlcat</td>
<td>NEED_my_strlcat_GLOBAL</td>
</tr>
<tr>
<td>my_strlcpy()</td>
<td>NEED_my_strlcpy</td>
<td>NEED_my_strlcpy_GLOBAL</td>
</tr>
<tr>
<td>newCONSTSUB()</td>
<td>NEED_newCONSTSUB</td>
<td>NEED_newCONSTSUB_GLOBAL</td>
</tr>
<tr>
<td>newRV_noinc()</td>
<td>NEED_newRV_noinc</td>
<td>NEED_newRV_noinc_GLOBAL</td>
</tr>
<tr>
<td>newSV_type()</td>
<td>NEED_newSV_type</td>
<td>NEED_newSV_type_GLOBAL</td>
</tr>
<tr>
<td>newSVpvn_flags()</td>
<td>NEED_newSVpvn_flags</td>
<td>NEED_newSVpvn_flags_GLOBAL</td>
</tr>
<tr>
<td>newSVpvn_share()</td>
<td>NEED_newSVpvn_share</td>
<td>NEED_newSVpvn_share_GLOBAL</td>
</tr>
<tr>
<td>pv_display()</td>
<td>NEED_pv_display</td>
<td>NEED_pv_display_GLOBAL</td>
</tr>
<tr>
<td>pv_escape()</td>
<td>NEED_pv_escape</td>
<td>NEED_pv_escape_GLOBAL</td>
</tr>
<tr>
<td>pv_pretty()</td>
<td>NEED_pv_pretty</td>
<td>NEED_pv_pretty_GLOBAL</td>
</tr>
<tr>
<td>sv_2pv_flags()</td>
<td>NEED_sv_2pv_flags</td>
<td>NEED_sv_2pv_flags_GLOBAL</td>
</tr>
<tr>
<td>sv_2pvbyte()</td>
<td>NEED_sv_2pvbyte</td>
<td>NEED_sv_2pvbyte_GLOBAL</td>
</tr>
<tr>
<td>sv_catpvsf_mg()</td>
<td>NEED_sv_catpvsf_mg</td>
<td>NEED_sv_catpvsf_mg_GLOBAL</td>
</tr>
<tr>
<td>sv_catpvsf_mg_nocntxt()</td>
<td>NEED_sv_catpvsf_mg_nocntxt</td>
<td>NEED_sv_catpvsf_mg_nocntxt_GLOBAL</td>
</tr>
<tr>
<td>sv_pvn_force_flags()</td>
<td>NEED_sv_pvn_force_flags</td>
<td>NEED_sv_pvn_force_flags_GLOBAL</td>
</tr>
<tr>
<td>sv_setpvsf_mg()</td>
<td>NEED_sv_setpvsf_mg</td>
<td>NEED_sv_setpvsf_mg_GLOBAL</td>
</tr>
<tr>
<td>sv_setpvsf_mg_nocntxt()</td>
<td>NEED_sv_setpvsf_mg_nocntxt</td>
<td>NEED_sv_setpvsf_mg_nocntxt_GLOBAL</td>
</tr>
<tr>
<td>sv_unmagicext()</td>
<td>NEED_sv_unmagicext</td>
<td>NEED_sv_unmagicext_GLOBAL</td>
</tr>
<tr>
<td>vload_module()</td>
<td>NEED_vload_module</td>
<td>NEED_vload_module_GLOBAL</td>
</tr>
<tr>
<td>vmess()</td>
<td>NEED_vmess</td>
<td>NEED_vmess_GLOBAL</td>
</tr>
<tr>
<td>vnewSVpvsf()</td>
<td>NEED_vnewSVpvsf</td>
<td>NEED_vnewSVpvsf_GLOBAL</td>
</tr>
<tr>
<td>worner()</td>
<td>NEED_warner</td>
<td>NEED_warner_GLOBAL</td>
</tr>
</tbody>
</table>

To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the C<DPPP_NAMESPACE> macro. Just C<#define> the macro before including C<ppport.h>:
#define DPPP_NAMESPACE MyOwnNamespace_
#include "ppport.h"

The default namespace is C<DPPP_>.

=back

The good thing is that most of the above can be checked by running F<ppport.h> on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether F<ppport.h> is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, F<ppport.h> can be run as a Perl script to check your source code. Simply say:

perl ppport.h

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff

If you only want your code to be scanned without any suggestions for changes, use:

perl ppport.h --nochanges

You can specify a different C<diff> program or options, using the C<--diff> option:

perl ppport.h --diff='diff -C 10'

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:

perl ppport.h --copy=.new
To display portability information for the C<newSVpvn> function, use:

    perl ppport.h --api-info=newSVpvn

Since the argument to C<--api-info> can be a regular expression, you can use

    perl ppport.h --api-info=/_nomg$/

to display portability information for all C<_nomg> functions or

    perl ppport.h --api-info=/./

to display information for all known API elements.

=head1 BUGS

If this version of F<ppport.h> is causing failure during the compilation of this module, please check if newer versions of either this module or C<Devel::PPPort> are available on CPAN before sending a bug report.

If F<ppport.h> was generated using the latest version of C<Devel::PPPort> and is causing failure of this module, please file a bug report here: L<https://github.com/mhx/Devel-PPPort/issues/>

Please include the following information:

=over 4

=item 1.

The complete output from running "perl -V"

=item 2.

This file.

=item 3.

The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.

=item 5.
Any other information that you think could be relevant.

=back

For the latest version of this code, please get the C<Devel::PPPort> module from CPAN.

=head1 COPYRIGHT

Version 3.x, Copyright (c) 2004-2013, Marcus Holland-Moritz.

Version 2.x, Copyright (C) 2001, Paul Marquess.

Version 1.x, Copyright (C) 1999, Kenneth Albanowski.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

See L<Devel::PPPort>.

=cut

use strict;

# Disable broken TRIE-optimization
BEGIN { eval "{$^RE_TRIE_MAXBUF} = -1' if $> >= 5.009004 && $< <= 5.009005 };

my $VERSION = 3.39;

my %opt = (
quiet => 0,
diag   => 1,
hints  => 1,
changes=> 1,
ceplusplus=> 0,
filter => 1,
strip  => 0,
version=> 0,
);

my($ppport) = $0 =~ /\([\w.]+)\)/;

my $LF = '(?:\r\n|\[\r\n\])'; # line feed
my $HS = "[ \t\]";        # horizontal whitespace

# Never use C comments in this file!
my $ccs = '/\.*';
my $cce = '\*=/';
my $rccs = quotemeta $ccs;
my $rcce = quotemeta $cce;

eval {
    require Getopt::Long;
    Getopt::Long::GetOptions(%opt, qw(
        help quiet diag! filter! hints! changes! cplusplus strip version
        patch=s copy=s diff=s compat-version=s
        list-provided list-unsupported api-info=s
    )) or usage();
};

if ($@ and grep /^-/, @ARGV) {
    usage() if "$ARGV" =~ /^--?help$/;
    die "Getopt::Long not found. Please don't use any options.
";
}

if (exists $opt{'compat-version'}) {
    my ($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };
    if ($@) {
        die "Invalid version number format: '$opt{'compat-version'}'\n";
    }
    die "Only Perl 5 is supported\n" if $r !< 5;
    die "Invalid version number: $opt{'compat-version'}\n" if $v >= 1000 || $s >= 1000;
    $opt{'compat-version'} = sprintf "%d.%03d%03d", $r, $v, $s;
} else {
    $opt{'compat-version'} = 5;
}

my %API = map { /^\w+\|([^\|]*)\|([^\|]*)\|([^\|]*)$/ ? ($1 => ( ($2 ? ( base => $2 ) : () ),
        ($3 ? ( todo => $3 ) : () ),
        (index($4, 'v') >= 0 ? ( varargs => 1 ) : () ),
        (index($4, 'p') >= 0 ? ( provided => 1 ) : () ),
        (index($4, 'n') >= 0 ? ( nothxarg => 1 ) : () ) ) )

G_EVAL||
G_METHOD|5.006001||p
G_NOARGS||
G_SCALAR||
G_VOID|5.004000|
GetVars||
GvAV||
GvCV||
GvHV||
GvSV||
Gv_AMupdate|5.011000|
HEf_SVKEY|5.003070||p
HeHASH|5.003070|
HeKEY|5.003070|
HeKLEN|5.003070|
HePV|5.004000|
HeSVKEY_force|5.003070|
HeSVKEY_set|5.004000|
HeSVKEY|5.003070|
HeUTF8|5.010001|5.008000||p
HeVAL|5.003070|
HvENAMELEN|5.015004|
HvENAMEUTF8|5.015004|
HvENAME|5.013007|
HvNAMELEN_get|5.009003||p
HvNAMELEN|5.015004|
HvNAMEUTF8|5.015004|
HvNAME_get|5.009003||p
HvNAME||
INT2PTR|5.006000||p
IN_LOCALE_COMPILETIME|5.007002||p
IN_LOCALE_RUNTIME|5.007002||p
IN_LOCALE|5.007002||p
IN_PERL_COMPILETIME|5.008001||p
IS_NUMBER_GREATER_THAN_UV_MAX|5.007002||p
IS_NUMBER_INFINITY|5.007002||p
IS_NUMBER_IN_UV|5.007002||p
IS_NUMBER_NAN|5.007003||p
IS_NUMBER_NEG|5.007002||p
IS_NUMBER_NOT_INT|5.007002||p
IVSIZE|5.006000||p
IVTYPE|5.006000||p
IVdf|5.006000||p
LEAVE||
LINKLIST|5.013006|
LVRET||
MARK||
MULTICALL|5.024000|
MUTABLE_PTR|5.010001||p
MUTABLE_SV|5.010001||p
MY_CXT_CLONE|5.009002||p
MY_CXT_INIT|5.007003||p
MY_CXT|5.007003||p
MoveD|5.009002|5.004050||p
Move||
NATIVE_TO_NEED|5.007001||n
NOOP|5.005000||p
NUM2PTR|5.006000||p
NVTYPE|5.006000||p
NVef|5.006001||p
NVff|5.006001||p
NVgf|5.006001||p
Newxc|5.009003||p
Newxz|5.009003||p
Newx|5.009003||p
Nullav||
Nullch||
Nullcv||
Nullhv||
Nullsv||
OP_CLASS|5.013007||
OP_DESC|5.007003||
OP_NAME|5.007003||
OP_TYPE_IS_OR_WAS|5.019010||
OP_TYPE_IS|5.019007||
ORIGMARK||
OpHAS_SIBLING|5.021007||p
OpLASTSIB_set|5.021011||p
OpMAYBESIB_set|5.021011||p
OpMORESIB_set|5.021011||p
OpSIBLING|5.021007||p
PAD_BASE_SV||
PAD_CLONE_VARS||
PAD_COMPNAME_FLAGS||
PAD_COMPNAME_GEN_set||
PAD_COMPNAME_GEN||
PAD_COMPNAME_OURSTASH||
PAD_COMPNAME_PV||
PAD_COMPNAME_TYPE||
PAD_RESTORE_LOCAL||
PAD_SAVE_LOCAL||
PAD_SAVE_SETNULLPAD||
PAD_SETSV||
PAD_SET_CUR_NOSAVE||
PAD_SET_CUR||
PAD_SV||
PAD_SV
PERLIO_FUNCS_CAST[5.009003]
PERLIO_FUNCS_DECL[5.009003]
PERL_ABS[5.008001]
PERL_ARGS_ASSERT_CROAK_XS_USAGE
PERL_GCC_BRACE_GROUPS_FORBIDDEN[5.008001]
PERL_HASH[5.003070]
PERL_INT_MAX[5.003070]
PERL_INT_MIN[5.003070]
PERL_LONG_MAX[5.003070]
PERL_LONG_MIN[5.003070]
PERL_MAGIC_arylen[5.007002]
PERL_MAGIC_backref[5.007002]
PERL_MAGIC_bmi[5.007002]
PERL_MAGIC_collxfrm[5.007002]
PERL_MAGIC_dbfile[5.007002]
PERL_MAGIC_dbline[5.007002]
PERL_MAGIC_defelem[5.007002]
PERL_MAGIC_envelem[5.007002]
PERL_MAGIC_env[5.007002]
PERL_MAGIC_ext[5.007002]
PERL_MAGIC_fm[5.007002]
PERL_MAGIC_glob[5.024000]
PERL_MAGIC_isaelem[5.007002]
PERL_MAGIC_isa[5.007002]
PERL_MAGIC_mutex[5.024000]
PERL_MAGIC_nkeys[5.007002]
PERL_MAGIC_overload_elem[5.024000]
PERL_MAGIC_overload_table[5.007002]
PERL_MAGIC_overload[5.024000]
PERL_MAGIC_pos[5.007002]
PERL_MAGIC_qr[5.007002]
PERL_MAGIC_regdata[5.007002]
PERL_MAGIC_regdatum[5.007002]
PERL_MAGIC_regex_global[5.007002]
PERL_MAGIC_shared_scalar[5.007003]
PERL_MAGIC_shared[5.007003]
PERL_MAGIC_sigelem[5.007002]
PERL_MAGIC_sigelem[5.007002]
PERL_MAGIC_subscr[5.007002]
PERL_MAGIC_sv[5.007002]
PERL_MAGIC_taint[5.007002]
PERL_MAGIC_tiedelem[5.007002]
PERL_MAGIC_tiedscalar[5.007002]
PERL_MAGIC_tie[5.007002]
PERL_MAGIC_utf8[5.008001]
PERL_MAGIC_uvar_elem[5.007003]
PL_DBsignal\|5.005000\|p
PL_DBsingle\|\|pn
PL_DBsub\|\|pn
PL_DBtrace\|\|pn
PL_Sv\|5.005000\|p
PL_bufend\|5.024000\|p
PL_bufptr\|5.024000\|p
PL_check\|5.006000\|
PL_compiling\|5.004050\|p
PL_comppad_name\|5.017004|
PL_comppad\|5.008001|
PL_copline\|5.024000\|p
PL_curcop\|5.004050\|p
PL_curpad\|5.005000|
PL_curstash\|5.004050\|p
PL_debstash\|5.004050\|p
PL_defgv\|5.004050\|p
PL_diehook\|5.004050\|p
PL_dirty\|5.004050\|p
PL_dowarn\|\|pn
PL_errogy\|5.004050\|p
PL_error_count\|5.024000\|p
PL_expect\|5.024000\|p
PL_hexdigit\|5.005000\|p
PL_hints\|5.005000\|p
PL_in_my_stash\|5.024000\|p
PL_in_my\|5.024000\|p
PL_keyword_plugin\|5.011002|
PL_last_in_gv\|\|n
PL_laststatval\|5.005000\|p
PL_lex_state\|5.024000\|p
PL_lex_stuff\|5.024000\|p
PL_linestr\|5.024000\|p
PL_modglobal\|5.005000\|n
PL_na\|5.004050\|pn
PL_no_modify\|5.006000\|p
PL_ofsgv\|\|n
PL_opfreehook\|5.011000\|n
PL_parser\|5.009005\|p
PL_ppeepp\|5.007003\|n
PL_perl_destruct_level\|5.004050\|p
PL_perldb\|5.004050\|p
PL_ppaddr\|5.006000\|p
PL_rpeepp\|5.013005\|n
PL_rsfp_filters\|5.024000\|p
PL_rsfp\|5.024000\|p
PL_rs\|\|n
PL_signals\|5.008001\|p
PadnameOUTER
PadnamePV[5.024000]
PadnameREFCNT_dec[5.024000]
PadnameREFCNT[5.024000]
PadnameSV[5.024000]
PadnameTYPE
PadnameUTF8[5.021007]
PadnamelistARRAY[5.024000]
PadnamelistMAX[5.024000]
PadnamelistREFCNT_dec[5.024000]
PadnamelistREFCNT[5.024000]
PerlIO_clearerr[5.007003]
PerlIO_close[5.007003]
PerlIO_context_layers[5.009004]
PerlIO_eof[5.007003]
PerlIO_error[5.007003]
PerlIO_fileno[5.007003]
PerlIO_fill[5.007003]
PerlIO_flush[5.007003]
PerlIO_get_base[5.007003]
PerlIO_get_bufsiz[5.007003]
PerlIO_get_cnt[5.007003]
PerlIO_get_ptr[5.007003]
PerlIO_read[5.007003]
PerlIO_restore_errno
PerlIO_save_errno
PerlIO_seek[5.007003]
PerlIO_set_cnt[5.007003]
PerlIO_set_prcnt[5.007003]
PerlIO_setlinebuf[5.007003]
PerlIO_stderr[5.007003]
PerlIO_stdin[5.007003]
PerlIO_stdout[5.007003]
PerlIO_tell[5.007003]
PerlIO_unread[5.007003]
PerlIO_write[5.007003]
Perl_signbit[5.009005]
PoisonFree[5.009004]
PoisonNew[5.009004]
PoisonWith[5.009004]
Poison[5.008000]
READ_XDIGIT[5.017006]
RESTORE_LC_NUMERIC[5.024000]
RETVALL
Renewc
Renew
SAVECLEARSV
SAVECOMMPAD

Open Source Used In CSPC_Collector 2.9.1 9158
SvCUR_set
SvCUR
SvEND
SvGAMAGIC|5.006001|
SvGETMAGIC|5.004050|
SvGROW
SvIOK_UV|5.006000|
SvIOK_notUV|5.006000|
SvIOK_off
SvIOK_only_UV|5.006000|
SvIOK_only
SvIOK_on
SvIOKp
SvIOK
SvIVX
SvIV_nomg|5.009001|
SvIV_set
SvIVx
SvIV
SvIsCOW_shared_hash|5.008003|
SvIsCOW|5.008003|
SvLEN_set
SvLEN
SvLOCK|5.007003|
SvMAGIC_set|5.009003|
SvNIOK_off
SvNIOKp
SvNIOK
SvNOK_off
SvNOK_only
SvNOK_on
SvNOKp
SvNOK
SvNVX
SvNV_nomg|5.013002|
SvNV_set
SvNVx
SvNV
SvOK
SvOOK_offset|5.011000|
SvOOK
SvPOK_off
SvPOK_only_UTF8|5.006000|
SvPOK_only
SvPOK_on
SvPOKp
SvPOK
SvPVX_const|5.009003|
SvPVX_mutable|5.009003||p
SvPVX||
SvPV_const|5.009003||p
SvPV_flags_const_nolen|5.009003||p
SvPV_flags_const|5.009003||p
SvPV_flags_mutable|5.009003||p
SvPV_flags|5.007002||p
SvPV_force_flags_mutable|5.009003||p
SvPV_force_flags_nolen|5.009003||p
SvPV_force_flags|5.007002||p
SvPV_force_nomg_nolen|5.009003||p
SvPV_force_nomg|5.009003||p
SvPV_force_nolen|5.009003||p
SvPV_force||p
SvPV_mutable|5.009003||p
SvPV_nolen_const|5.009003||p
SvPV_nolen|5.006000||p
SvPV_nomg_const_nolen|5.009003||p
SvPV_nomg_const|5.009003||p
SvPV_nomg_nolen|5.013007||p
SvPV_nomg|5.007002||p
SvPV_renew|5.009003||p
SvPV_set||
SvPVbyte_force|5.009002|
SvPVbyte_nolen|5.006000|
SvPVbyte_x_force|5.006000|
SvPVbyte|5.006000||p
SvPVutf8_force|5.006000|
SvPVutf8_nolen|5.006000|
SvPVutf8_x_force|5.006000|
SvPVutf8x|5.006000|
SvPVutf8|5.006000|
SvPVx||
SvPV||
SvREFCNT_dec_NN|5.017007|
SvREFCNT_dec||
SvREFCNT_inc_NN|5.009004||p
SvREFCNT_inc_simple_NN|5.009004||p
SvREFCNT_inc_simple_void_NN|5.009004||p
SvREFCNT_inc_simple_void|5.009004||p
SvREFCNT_inc_simple|5.009004||p
SvREFCNT_inc_void_NN|5.009004||p
SvREFCNT_inc_void|5.009004||p
SvREFCNT_inc||p
SvREFCNT||
SvROK_off||
SvROK_on||
SvROK||
SvRV_set|5.009003||p
SvRV||
SvRXOK|5.009005||p
SvRX|5.009005||p
SvSETMAGIC||
SvSHARE_HASH|5.009003||p
SvSHARE||5.007003|
SvSTASH_set|5.009003||p
SvSTASH||
SvSetMagicSV_nosteal|5.004000|
SvSetMagicSV|5.004000|
SvSetSV_nosteal|5.004000|
SvSetSV||
SvTAINTED_off|5.004000|
SvTAINTED_on|5.004000|
SvTAINTED|5.004000|
SvTAINT||
SvTHINKFIRST||
SvTRUE_nomg|5.013006|
SvTRUE||
SvTYPE||
SvUNLOCK|5.007003|
SvUOK|5.007001|5.006000||p
SvUPGRADE||
SvUTF8_off|5.006000|
SvUTF8_on|5.006000|
SvUTF8|5.006000|
SvUVXx|5.004000||p
SvUVX|5.004000||p
SvUV_nomg|5.009001||p
SvUV_set|5.009003||p
SvUVx|5.004000||p
SvUV|5.004000||p
SvVOK|5.008001|
SvVSTRING_mg|5.009004||p
THIS||n
UNDERBAR|5.009002||p
UTF8_SKIP|5.006000|
UTF8_MAXBYTES|5.009002||p
UVCHR_SKIP|5.022000|
UVSIZE|5.006000||p
UVTYPE|5.006000||p
UVX|5.007001||p
UVof|5.006000||p
UVuf|5.006000||p
UVxf|5.006000||p
WARN_ALL|5.006000||p
WARN_AMBIGUOUS|5.006000||p
WARN_ASSERTIONS|5.024000||p
WARN_BAREWORD|5.006000||p
WARN_CLOSED|5.006000||p
WARN_CLOSURE|5.006000||p
WARN_DEBUGGING|5.006000||p
WARN_DEPRECATED|5.006000||p
WARN_DIGIT|5.006000||p
WARN_EXEC|5.006000||p
WARN_EXITING|5.006000||p
WARN_GLOB|5.006000||p
WARN_INPLACE|5.006000||p
WARN_INTERNAL|5.006000||p
WARN_IO|5.006000||p
WARN_LAYER|5.008000||p
WARN_MALLOC|5.006000||p
WARN_MISC|5.006000||p
WARN_NEWLINE|5.006000||p
WARN_NUMERIC|5.006000||p
WARN_ONCE|5.006000||p
WARN_OVERFLOW|5.006000||p
WARN_PACK|5.006000||p
WARN_PARENTHESIS|5.006000||p
WARN_PIPE|5.006000||p
WARN_PORTABLE|5.006000||p
WARN_PRECEDENCE|5.006000||p
WARN_PRINTF|5.006000||p
WARN_PROTOTYPE|5.006000||p
WARN_QW|5.006000||p
WARN_RECURSION|5.006000||p
WARN_REDEFINE|5.006000||p
WARN_REGEXP|5.006000||p
WARN_RESERVED|5.006000||p
WARN_SEMICOLON|5.006000||p
WARN_SEVERE|5.006000||p
WARN_SIGNAL|5.006000||p
WARN_SUBSTR|5.006000||p
WARN_SYNTAX|5.006000||p
WARN_TAINT|5.006000||p
WARN_THREADS|5.008000||p
WARN_UNINITIALIZED|5.006000||p
WARN_UNOPENED|5.006000||p
WARN_UNPACK|5.006000||p
WARN_UNTIE|5.006000||p
WARN_UTF8|5.006000||p
WARN_VOID|5.006000||p
WIDEST_UTYPE|5.015004||p
XCPT_CATCH[5.009002]|p
XCPT_RETHROW[5.009002]|p
XCPT_TRY_END[5.009002]|p
XCPT_TRY_START[5.009002]|p
XPUSHi||
XPUSHmortal[5.009002]|p
XPUSHa||
XPUSHp||
XPUSHs||
XPUSHu[5.004000]|p
XSPROTO[5.010000]|p
XSRETURN_EMPTY||
XSRETURN_IV||
XSRETURN_NO||
XSRETURN_NV||
XSRETURN_PV||
XSRETURN_UNDEF||
XSRETURN_UV[5.008001]|p
XSRETURN_YES||
XSRETURN|||p
XST_mIV||
XST_mNO||
XST_mNV||
XST_mPV||
XST_mUNDEF||
XST_mUV[5.008001]|p
XST_mYES||
XS_APIVERSION_BOOTCHECK[5.024000]
XS_EXTERNAL[5.024000]
XS_INTERNAL[5.024000]
XS_VERSION_BOOTCHECK[5.024000]
XS_VERSION||
XSprePUSH[5.006000]|p
XS||
XopDISABLE[5.024000]
XopENABLE[5.024000]
XopENTRYCUSTOM[5.024000]
XopENTRY_set[5.024000]
XopENTRY[5.024000]
XopFLAGS[5.013007]
ZeroD[5.009002]|p
Zero||
_aMY_CXT[5.007003]|p
_add_range_to_invlist||
_append_range_to_invlist||
_core_swash_init||
_get_encoding||
_get_regclass_nonbitmap_data||
_get_swash_invlist||
_invlistEQ||
_invlist_array_init||n
_invlist_contains_cp||n
_invlist_dump||
_invlist_intersection_maybe_complement_2nd||
_invlist_intersection||
_invlist_invert||
_invlist_len||n
_invlist_populate_swatch||n
_invlist_search||n
_invlist_subtract||
_invlist_union_maybe_complement_2nd||
_invlist_union||
_is_cur_LC_category_utf8||]
_is_in_locale_category||5.021001|
_is_uni_FOO||5.017008|
_is_uni_perl_idcont||5.017008|
_is_uni_perl_idstart||5.017007|
_is_utf8_FOO||5.017008|
_is_utf8_char_slow||5.021001|
_is_utf8_idcont||5.021001|
_is_utf8_idstart||5.021001|
_is_utf8_mark||5.017008|
_is_utf8_perl_idcont||5.017008|
_is_utf8_perl_idstart||5.017007|
_is_utf8_xidcont||5.021001|
_is_utf8_xidstart||5.021001|
_load_PL_utf8_foldclosures||
_make_exactf_invlist||
_new_invlist_C_array||
_new_invlist||
pMY_CXT||5.007003||p
_setlocale_debug_string||n
_setup_canned_invlist||
_swash_inversion_hash||
_swash_to_invlist||
_to_fold_latin1||
_to_uni_fold_flags||5.014000|
_to_upper_title_latin1||
_to_utf8_case||
_to_utf8_fold_flags||5.019009|
_to_utf8_lower_flags||5.019009|
_to_utf8_title_flags||5.019009|
_to_utf8_upper_flags||5.019009|
_warn_problematic_locale||n
aMY_CXT|5.007003|p
aMY_CXT|5.007003|p
aTHXR_|5.024000||p
aTHXR|5.024000||p
aTHX_|5.006000||p
aTHX|5.006000||p
add_above_Latin1_folds||
add_cp_to_invlist||
add_data||n
add_multi_match||
add_utf16_textfilter||
adjust_size_and_find_bucket||n
advance_one_LB||
advance_one_SB||
advance_one_WB||
alloc_maybe_populate_EXACT||
allocacopstash||
allocmy||
amagic_call||
amagic_cmp_locale||
amagic_cmp||
amagic_deref_call|5.013007|
amagic_i_ncmp||
amagic_is_enabled||
amagic_ncmp||
anonymise_cv_maybe||
any_dup||
ao||
append_utf8_from_native_byte|5.019004|n
apply_attrs_my||
apply_attrs_string|5.006001|
apply_attrs||
apply||
assert_utf8_cache_coherent||
assignment_type||
atfork_lock|5.007003|n
atfork_unlock|5.007003|n
av_arylen_p|5.009003|
av_clear||
av_create_and_push|5.009005|
av_create_and_unshift_one|5.009005|
av_delete|5.006000|
av_exists|5.006000|
av_extend_guts||
av_extend||
av_fetch||
av_fill||
av_iter_p|5.011000|
av_len||
av_make||
ck_entersub_args_list
ck_entersub_args_proto_or_list
ck_entersub_args_proto
ck_warner_d
ck_warner
ckwarn_common
ckwarn_d
ckwarn
clear_defarray
clearplaceholders
clear_special_blocks
clone_params_del
clone_params_new
closest_cop
cntrl_to_mnemonic
compute_EXACTish
construct_ahocorasick_from_trie
cop_fetch_label
cop_free
cop_hints_2hv
cop_hints_fetch_pvn
cop_hints_fetch_pvs
cop_hints_fetch_pv
cop_hints_fetch_sv
cop_store_label
cophh_2hv
cophh_copy
cophh_delete_pvn
cophh_delete_pvs
cophh_delete_pv
cophh_delete_sv
cophh_fetch_pvn
cophh_fetch_pvs
cophh_fetch_pv
cophh_fetch_sv
cophh_free
cophh_new_empty
cophh_store_pvn
cophh_store_pvs
cophh_store_pv
cophh_store_sv
core_prototype
coresub_op
cr_textfilter
create_eval_scope
croak_memory_wrap
croak_no_mem
croak_no_modify
do_aexec5||
do_aexec||
do_aspawn||
do_binmode[5.004050]
do_chomp||
do_close||
do_delete_local||
do_dump_pad||
do_eof||
do_exec3||
do_execf||
do_exec||
do_gv_dump[5.006000]
do_gvgv_dump[5.006000]
do_hv_dump[5.006000]
do_ipcctl||
do_ipcget||
do_join||
do_magic_dump[5.006000]
do_msgrecv||
do_msgsnd||
do_ncmp||
do_oddball||
do_op_dump[5.006000]
do_open6||
do_open9[5.006000]
do_open_raw||
do_openn[5.007001]
do_open[5.003070]
do_pmop_dump[5.006000]
do_print||
do_readline||
do_seek||
do_semop||
do_shmio||
do_smartmatch||
do_spawn_nowait||
do_spawn||
do_sprintf||
do_sv_dump[5.006000]
do_sysseek||
do_tell||
do_trans_complex_utf8||
do_trans_complex||
do_trans_count_utf8||
do_trans_count||
do_trans_simple_utf8||
do_trans_simple||
isUPPER||
isUTF8_CHAR|5.021001|
isWB||
isWORDCHAR|5.013006|
isXDIGIT|5.006000|
is_an_int||
is_ascii_string|5.011000|
is_handle_constructor||n
is_invariant_string|5.021007|
is_Ivalue_sub|5.007001|
is_safe_syscall|5.019004|
is_ssc_worth_it||n
is_uni_alnum_le|5.006000|
is_uni_alnumc_le|5.017007|
is_uni_alnum|5.017007|
is_uni_alnum|5.006000|
is_uni_alpha_le|5.006000|
is_uni_alpha|5.006000|
is_uni_ascii_le|5.006000|
is_uni_ascii|5.006000|
is_uni_blank_le|5.017002|
is_uni_blank|5.017002|
is_uni_cntrl_le|5.006000|
is_uni_cntrl|5.006000|
is_uni_digit_le|5.006000|
is_uni_digit|5.006000|
is_uni_graph_le|5.006000|
is_uni_graph|5.006000|
is_uni_idfirst_le|5.006000|
is_uni_idfirst|5.006000|
is_uni_lower_le|5.006000|
is_uni_lower|5.006000|
is_uni_print_le|5.006000|
is_uni_print|5.006000|
is_uni_punct_le|5.006000|
is_uni_punct|5.006000|
is_uni_space_le|5.006000|
is_uni_space|5.006000|
is_uni_upper_le|5.006000|
is_uni_upper|5.006000|
is_uni_xdigit_le|5.006000|
is_uni_xdigit|5.006000|
is_utf8_alnumc|5.017007|
is_utf8_alnum|5.006000|
is_utf8_alpha|5.006000|
is_utf8_ascii|5.006000|
is_utf8_blank|5.017002|
is_utf8_char_buf|5.015008|

Open Source Used In CSWC_Collector 2.9.1 9179
list
load_module_nocontext
load_module
localize
looks_like_bool
looks_like_number
lop
mPUSHi
mPUSHn
mPUSHp
mPUSHs
mPUSHu
mXPUSHi
mXPUSHn
mXPUSHp
mXPUSHs
mXPUSHu
magic_clear_all_env
magic_cleararylen_p
magic_clearenv
magic_clearhints
magic_clearhint
magic_clearisa
magic_clearpack
magic_clearsig
magic_copycallchecker
magic_dump
magic_existspack
magic_freearylen_p
magic_freeovrld
magic_getarylen
magic_getdebugvar
magic_getdefelem
magic_getnkeys
magic_getpack
magic_getpos
magic_getsig
magic_getsubstr
magic_gettaint
magic_getuvar
magic_getvec
magic_killbackrefs
magic_methcall1
magic_methcall
magic_methpack
magic_nextpack
magic_regdata_cnt
magic_regdatum_get
magic_regdatum_set
magic_scalarpack
magic_set_all_env
magic_setarylen
magic_setcollxfrm
magic_setdbline
magic_setdebugvar
magic_setdefelem
magic_setenv
magic_sethint
magic_setisal
magic_setlvref
magic_setmglob
magic_setnkeys
magic_setpack
magic_setpos
magic_setregexp
magic_setsig
magic_setsubstr
magic_settaint
magic_setutf8
magic_setuvar
magic_setvec
magic_set
magic_sizepack
magic_wipepack
make_matcher
make_trie
malloc_good_size
malloced_size
malloc[5.007002]
markstack_grow[5.021001]
matcher_matches_sv
maybe_multimagic_gv
maybe_relocate
measure_struct
memEQs[5.009005]
memEQ[5.004000]
memNEs[5.009005]
memNE[5.004000]
mem_collxfrm
mem_log_alloc
mem_log_common
mem_log_free
mem_log_realloc
mess_alloc
mess_nocontext
mess_sv|5.013001||p
mess|5.006000||pv
mfree|5.007002||n
mg_clear||
mg_copy||
mg_dup||
mg_find_mglob||
mg_findext|5.013008||pn
mg_find||n
mg_free_type|5.013006|
mg_free||
mg_get||
mg_length|5.005000|
mg_localize||
mg_magical||n
mg_set||
mg_size|5.005000|
mini_mktime|5.007002||n
minus_v||
missingterm||
mode_from_discipline||
modkids||
more_bodies||
more_sv||
moreswitches||
move_proto_attr||
mro_clean_isarev||
mro_gather_and_rename||
mro_get_from_name|5.010001|
mro_get_linear_isa_dfs||
mro_get_linear_isa|5.009005|
mro_get_private_data|5.010001|
mro_isa_changed_in||
mro_meta_dup||
mro_meta_init||
mro_method_changed_in|5.009005|
mro_package_moved||
mro_register|5.010001|
mro_set_mro|5.010001|
mro_set_private_data|5.010001|
mul128||
mulexp10||n
multideref_stringify||
my_atof2|5.007002|
my_atof|5.006000|
my_attrs||
my_bcopy|5.004050||n
my_bytes_to_utf8||n
my_bzero
my_chsize
my_clearenv
my_cxt_index
my_cxt_init
my_dirfd[5.009005]
my_exit_jump
my_exit
my_failure_exit[5.004000]
my_fflush_all[5.006000]
my_fork[5.007003]
my_kid
my_lstat_flags
my_lstat[5.024000]
my_memcmp
my_memset
my_pclose[5.003070]
my_popen_list[5.007001]
my_popen[5.003070]
my_setenv
my_setlocale
my_snprintf[5.009004]
my_socketpair[5.007003]
my_sprintf[5.009003]
my_stat_flags
my_stat[5.024000]
my_strerror
my_strftime
my_strlcat
my_strlcpy
my_unexec
my_vsnprintf[5.009004]
need_utf8
newANONATTRSUB[5.006000]
newANONHASH
newANONLIST
newANONSUB
newASSIGNOP
newATTRSUB_x
newATTRSUB[5.006000]
newAVREF
newAV
newBINOP
newCONDOP
newCONSTSUB_flags[5.015006]
newCONSTSUB[5.004050]
newCVREF
newDEFSVOP[5.021006]
newSVpvf||5.004000|v
newSVpvn_flags||5.010001|p
newSVpvn_share||5.007001|p
newSVpvn_utf8||5.010001|p
newSVpvn||5.004050|p
newSVpvs_flags||5.010001|p
newSVpvs_share||5.009003|p
newSVpvs||5.009003|p
newSVpvv|||
newSVrvv|||
newSVsvv|||
newSVuvv||5.006000|p
newSVv|||
newUNOP_AUX||5.021007|
newUNOPv|||p
newWHENOP||5.009003|
newWHILEOP||5.013007|
newXS_deffilev|||
newXS_flagsv||5.009004|
newXS_len_flagsv|||
newXSprotov||5.006000|
newXSv||5.006000|
new_collatev||5.006000|
new_constantv|||
new_ctypev||5.006000|
new_hae|||
new_logopv|||
new_numericv||5.006000|
new_stackinfov||5.005000|
new_versionv||5.009000|
new_warnings_bitfieldv|||
next_symbolv|||
nextargvv|||
nextcharv|||
ninstrv|||
no_bareword_allowedv|||
no_fh_allowedv|||
no_opv|||
opendir_diev||vn
not_a_numberv|||
not_incrementablev|||
oothreadhookv||5.008000|
nuke_stacksv|||
um_overflowv|||
oopsAVv|||
oopsHVv|||
op_append_elemv||5.013006|
op_append_listv||5.013006|
perl_clone_using
perl_clone
perl_construct
perl_destruct
perl_free
perl_parse
perl_run
pidgone
pm_description
pmop_dump
pmrun
pmruntime
pmtrans
pop_scope
populate_ANYOF_from_invlist
populate_isa
pregcomp
pregexec
pregfree2
pregfree
prescan_version
printf_nocontext
process_special_blocks
ptr_hash
ptr_table_clear
ptr_table_fetch
ptr_table_find
ptr_table_free
ptr_table_new
ptr_table_split
ptr_table_store
push_scope
put_charclass_bitmap_innards_common
put_charclass_bitmap_innards_invlist
put_charclass_bitmap_innards
put_code_point
put_range
pv_display
pv_escape
pv_pretty
pv_uni_display
qerror
qsortsvu
quadmath_format_needed
quadmath_format_single
re_compile
re_croak2
re_dup_guts
rvpv_dup
rvres_free
rvres_restore
rvres_save
safesyscalloc
safesysfree
safesysmalloc
safesysrealloc
same_dirent
save_116
save_132
save_18
save_adelete
save_aelem_flags
save_aelem
save_alloc
save_aptr
save_ary
save_bool
save_clearsv
save_delete
save_destructor_x
save_destructor
save_freeop
save_freepv
save_freesv
save_generic_pvref
save_generic_svref
save_gp
save_hash
save_hdelete
save_hek_flags
save_helem_flags
save_helem
save_hints
save_hptr
save_int
save_item
save_iv
save_lines
save_list
save_long
save_magic_flags
save_mortalizesv
save_nogv
save_op
save_padv_and_mortalize
save_pptr
save_pushi32ptr[5.010001]
save_pushptr32ptr
save_pushptrptr[5.010001]
save_pushptr[5.010001]
save_re_context[5.006000]
save_scalar_at||
save_scalar||
save_set_svflags[5.009000]
save_shared_pvref[5.007003]
save_sptr||
save_strlen||
save_svref||
save_vptr[5.006000]
savepvn||
savepv[5.009003]
savepv||
savesharedpvn[5.009005]
savesharedpv[5.013006]
savesharedpv[5.007003]
savesharedpv[5.013006]
savestack_grow_cnt[5.008001]
savestack_grow||
savesvpv[5.009002]
savetmps[5.023008]
sawparens||
scalar_mod_type||n
scalarboolean||
scalarseq||
scalarvoid||
scalar
scan_bin[5.006000]
scan_commit||
scan_const||
scan_formline||
scan_heredoc||
scan_hex||
scan_ident||
scan_inputsymbol||
scan_num[5.007001]
scan_oct||
scan_pat||
scan_str||
scan_subst||
scan_trans||
scan_version[5.009001]
scan_vstring[5.009005]
scan_word||
sv_get_backrefs||5.021008|n
sv_gets||5.003070|
sv_grow|||
sv_incmp|||
sv_inc_nomg||5.013002|
sv_inc|||
sv_insert_flags||5.010001|
sv_insert|||
sv_isa|||
sv_isobject|||
sv_iv||5.005000|
sv_kill_backrefs|||
sv_len_utf8_nomg|||
sv_len_utf8||5.006000|
sv_len|||
sv_magic_portable||5.024000|5.004000|p
sv_magicext_mglob|||
sv_magicext||5.007003|
sv_magic|||
sv_mortalcopy_flags|||
sv_mortalcopy|||
sv_ncmp|||
sv_newmortal|||
sv_newref|||
sv_nolocking||5.007003|
sv_nosharing||5.007003|
sv_nounlocking|||
sv_nv|5.005000|
sv_only_taint_gmagic||n
sv_or_pv_pos_u2b|||
sv_peek|5.005000|
sv_pos_b2u_flags|5.019003|n
sv_pos_b2u midterm|||
sv_pos_b2u|5.006000|
sv_pos_u2b_cached|||
sv_pos_u2b_flags|5.011005|
sv_pos_u2b_forwards||n
sv_pos_u2b midterm||n
sv_pos_u2b|5.006000|
sv_pvbytes_force|5.006000|
sv_pvbyte|5.006000|
sv_pvn_forced|5.007002|p
sv_pvn_forced|||
sv_pvn_nomg|5.007003|5.005000|p
sv_pvn|5.005000|
sv_pvutf8n_forced|5.006000|
sv_pvutf8n|5.006000|

Open Source Used In CSPC_Collector 2.9.1 9197
utf8_to_bytes||5.006001|
utf8_to_uvchr_buf||5.015009|
utf8_to_uvchr||5.007001|
utf8_to_uvuni_buf||5.015009|
utf8_to_uvuni||5.007001|
utf8n_to_uvchr||5.007001|
utf8n_to_uvuni||5.007001|
utilize||
uvchr_to_utf8_flags||5.007003|
uvchr_to_utf8||5.007001|
uvoffuni_to_utf8_flags||5.019004|
uvuni_to_utf8_flags||5.007003|
uvuni_to_utf8||5.007001|
valid_utf8_to_uvchr||5.015009|
valid_utf8_to_uvuni||5.015009|
validate_proto||
validate_suid||
varname||
vcmp||5.009000|
v croak||5.006000|
vdeb||5.007003|
vform||5.006000|
visit||
vivify_defelem||
vivify_ref||
vload_module||5.006000|p
vmess||5.006000|p
vnewSVpvf||5.006000|5.004000|p
vnormal||5.009002|
vnumify||5.009000|
vstringify||5.009000|
vverify||5.009003|
vwarner||5.006000|
vwarn||5.006000|
wait4pid||
warn_nocontext||pv
warn sv||5.013001|p
warner_nocontext||v
warner||5.006000|5.004000|pv
warn||v
was_Ivalue_sub||
watch||
whichsig_pvn||5.015004|
whichsig_pv||5.015004|
whichsig_sv||5.015004|
whichsig||
win32_croak_not_implemented||n
with_queued_errors||
wrap_op_checker||5.015008|
write_to_stderr|||
xs_boot_epilog|||
xs_handshake|||vn
xs_version_bootcheck|||
yyerror_pvn|||
yyerror_pv|||
yyerror|||
yylex|||
yyparse|||
yyunlex|||
yywarn|||
);
if (exists $opt{'list-unsupported'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{todo};
print "$f ", '.'x(40-length($f)), " ", format_version($API{$f}{todo}), "\n";
}
exit 0;
}
# Scan for possible replacement candidates
my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;
my($hint, $define, $function);
sub find_api
{
my $code = shift;
$code =~ s{
/ (?: \*[^*]*\*+(?:[^$ccs][^*]*\*+)* / | /[^\r\n]*)
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^'\\]*(?:\\.[^'\\]*)*' }{}egsx;
grep { exists $API{$_} } $code =~ /(\w+)/mg;
}
while (<DATA>) {
if ($hint) {
my $h = $hint->[0] eq 'Hint' ? \%hints : \%warnings;
if (m{^\s*\*\s(.*?)\s*$}) {
for (@{$hint->[1]}) {
$h->{$_} ||= ''; # suppress warning with older perls
$h->{$_} .= "$1\n";
}
}

Open Source Used In CSPC_Collector 2.9.1 9202


else { undef $hint }
}

$hint = [S1, split /,ativa, S2]]
if m{^\s*src\s+((Hint|Warning):\s+\(.*\))\s+.*$};

if ($define) {
if ($define->[1] =~ /\$/) {
$define->[1] = $_;
}
else {
if (exists $API{$define->[0]} & & $define->[1] !~ /^DPPP_\$/) {
  my @n = find_api($define->[1]);
  push @{$depends{$define->[0]}}, @n if @n
}
  undef $define;
}
}

$define = [S1, S2] if m{^\s*#\s*define\s+\(\w+\)\(.*\)$};

if ($function) {
if (/\$/) {
if (exists $API{$function->[0]} & & $function->[1] !~ /\$/) {
  my @n = find_api($function->[1]);
  push @{$depends{$function->[0]}}, @n if @n
}
  undef $function;
}
else {
$function->[1] .= $_;
}
}

$function = [S1, "] if m{^DPPP_\(my_\(\w+\)\)$};

$replace = S1 if m{^\s*src\s+Replace\:\s+\(.*\)\s+.*$};
$replace{S2} = S1 if $replace and m{^\s*#\s*define\s+\(\w+\)\(.*\)$};
$replace{S2} = S1 if m{^\s*#\s*define\s+\(\w+\)\(.*\)$};
$replace{S1} = S2 if m{^\s*src\s+Replace\(\w+\) with \(.*\)$};

if (m{^\s*src\s+\(\w+\)\(.*\)$}) {
  my @deps = map { s/\s+//g; S\_ } split //, S3;
  my $d;
  for $d (map { s/\s+//g; S\_ } split //, S1) {
    push @{$depends{$d}}, @deps;
  }
}
$need{$1} = 1 if m{[^#if]s+defined\((NEED_\(\w+)(?:_GLOBAL)?\))};
}

for (values %depends) {
    my %s;
    $_= [sort grep !$s{$_}++, @$_];
}

if (exists $opt{'api-info'}) {
    my $f;
    my $count = 0;
    my $match = $opt{'api-info'} =~ m!^/(.*)./\$! ? $1 : "^Q$opt{'api-info'}/E\$";
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $f =~ /$match/;
        print "unt=== $f ===unt\n";
        my $info = 0;
        if (SAPI[$f]{base} || SAPI[$f]{todo}) {
            my $base = format_version(SAPI[$f]{base} || SAPI[$f]{todo});
            print "Supported at least starting from perl-$base\n";
            $info++;
        }
        if (SAPI[$f]{provided}) {
            my $todo = SAPI[$f]{todo} ? format_version(SAPI[$f]{todo}) : "5.003";
            print "Support by $ppport provided back to perl-$todo\n";
            print "Support needs to be explicitly requested by NEED_$f\n" if exists $need{$f};
            print "Depends on: ", join(’,’, @{$depends{$f}}), ",\n" if exists $depends{$f};
            print "unShints[$f]" if exists $hints{$f};
            print "unWARNING\n$warnings[$f]" if exists $warnings{$f};
            $info++;
        }
        print "No portability information available\n" unless $info;
        $count++;
    }
    $count or print "Found no API matching '$opt{'api-info'}'\n";
    print "unt"
    exit 0;
}

if (exists $opt{'list-provided'}) {
    my $f;
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless SAPI[$f]{provided};
        my @flags;
        push @flags, 'explicit' if exists $need{$f};
        push @flags, 'depend' if exists $depends{$f};
        push @flags, 'hint' if exists $hints{$f};
        push @flags, 'warning' if exists $warnings{$f};

my $flags = @flags ? '['.join(', ', @flags).']' : ''; 
print "$flags
";
exit 0;
}

my @files;
my @srcext = qw( .xs .c .h .cc .cpp -c.inc -xs.inc );
my $srcext = join '|', map { quotemeta $_ } @srcext;

if (@ARGV) {
  my %seen;
  for (@ARGV) {
    if (-e) {
      if (-f) {
        push @files, $_ unless $seen{$_}++;
      }
      else { warn "$_ is not a file\n" }
    }
    else {
      my @new = grep { -f } glob $_
      or warn "$_ does not exist\n;
      push @files, grep { !$seen{$_}++ } @new;
    }
  }
}
else {
  eval {
    require File::Find;
    File::Find::find(sub {
      $File::Find::name =~ /($srcext)/i
      and push @files, $File::Find::name;
    }, '.');
    if ($@) {
      @files = map { glob "*$_" } @srcext;
    }
  }
}

if (!@ARGV || $opt{filter}) {
  my (@in, @out);
  my %xsc = map { /(^\).*xs/ ? ($1.c => 1, "$1.cc" => 1) : () } @files;
  for (@files) {
    my $out = exists $xsc{$_} || /\Q$ppport\E$/i || !($srcext)$i;
    push @out, if $out ? \@out : \\@in , $_;
  }
  if (@ARGV && @out) {
    warning("Skipping the following files (use --nofilter to avoid this):
| ", join "\n| ", @out);
}
@files = @in;
}
die "No input files given!\n" unless @files;
my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;
for $filename (@files) {
unless (open IN, "<$filename") {
warn "Unable to read from $filename: $!\n";
next;
}
info("Scanning $filename ...");
my $c = do { local $/; <IN> };
close IN;
my %file = (orig => $c, changes => 0);
# Temporarily remove C/XS comments and strings from the code
my @ccom;
$c =~ s{
( ^$HS*\#$HS*include\b[^\r\n]+\b(?:\Q$ppport\E|XSUB\.h)\b[^\r\n]*
| ^$HS*\#$HS*(?:define|elif|if(?:def)?)\b[^\r\n]* )
| ( ^$HS*\#[^\r\n]*
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^'\\]*(?:\\.[^'\\]*)*'
| / (?: \*[^*]*\*+(?:[^$ccs][^*]*\*+)* / | /[^\r\n]* ) )
}{ defined $2 and push @ccom, $2;
defined $1 ? $1 : "$ccs$#ccom$cce" }mgsex;
$file{ccom} = \@ccom;
$file{code} = $c;
$file{has_inc_ppport} = $c =~ /^$HS*#$HS*include[^\r\n]+\b\Q$ppport\E\b/m;
my $func;
for $func (keys %API) {
my $match = $func;
$match .= "|$revreplace{$func}" if exists $revreplace{$func};
if ($c =~ /\b(?:Perl_)?($match)\b/) {
$file{uses_replace}{$1}++ if exists $revreplace{$func} && $1 eq $revreplace{$func};

Open Source Used In CSPC_Collector 2.9.1 9206


$file{uses_Perl}{$func}++ if $c =~ /\bPerl_$func\b/;
if (exists $API{func}{provided}) {
    $file{uses_provided}{$func}++;
    if (!exists $API{func}{base} || $API{func}{base} > $opt{compat-version}) {
        $file{uses}{$func}++;
    }
    my @deps = rec_depend($func);
    if (@deps) {
        $file{uses_deps}{$func} = \@deps;
        for (@deps) {
            $file{uses}{$_} = 0 unless exists $file{uses}{$_};
        }
    }
    for ($func, @deps) {
        $file{needs}{$_} = 'static' if exists $need{$_};
    }
}
if (exists $API{func}{todo} && $API{func}{todo} > $opt{compat-version}) {
    if ($c =~ /\b$func\b/) {
        $file{uses_todo}{$func}++;
    }
}
while ($c =~ /\$HS*#$HS*define$HS+(NEED_(\w+?)(_GLOBAL)?)\b/mg) {
    if (exists $need{$2}) {
        $file{defined $3 ? 'needed_global' : 'needed_static'}{$2}++;
    } else { warning("Possibly wrong #define $1 in $filename") }
}
for (qw(uses needs uses_todo needed_global needed_static)) {
    for $func (keys %{$file{$_}}) {
        push @{$global{$_}{$func}}, $filename;
    }
}
$files{$filename} = \%file;

# Globally resolve NEED_''s
my $need;
for $need (keys %{$global{needs}}) {
    if (@{$global{needs}{$need}} > 1) {
        my @targets = @{$global{needs}{$need}};
        my @t = grep $files{$_}{'needed_global'}{$need}, @targets;
        @targets = @t if @t;
@t = grep /\.xs$/i, @targets;
@targets = @t if @t;
my $target = shift @targets;
$files{$target}{needs}{$need} = 'global';
for (@{$global{needs}{$need}}) {
$files{$_}{needs}{$need} = 'extern' if $_ ne $target;
}
}
}
for $filename (@files) {
exists $files{$filename} or next;
info("=== Analyzing $filename ===");
my %file = %{$files{$filename}};
my $func;
my $c = $file{code};
my $warnings = 0;
for $func (sort keys %{$file{uses_Perl}}) {
if ($API{$func}{varargs}) {
unless ($API{$func}{nothxarg}) {
my $changes = ($c =~ s{\b(Perl_$func\s*\(\s*)(?!aTHX_?)(\)|[^\s)]*\))}
{ $1 . ($2 eq ')' ? 'aTHX' : 'aTHX_ ') . $2 }ge);
if ($changes) {
warning("Doesn't pass interpreter argument aTHX to Perl_$func");
$file{changes} += $changes;
}
}
}
else {
warning("Uses Perl_$func instead of $func");
$file{changes} += ($c =~ s{\bPerl_$func(\s*)\((\s*aTHX_?)?\s*}
{$func$1(}g);
}
}
for $func (sort keys %{$file{uses_replace}}) {
warning("Uses $func instead of $replace{$func}");
$file{changes} += ($c =~ s/\b$func\b/$replace{$func}/g);
}
for $func (sort keys %{$file{uses_provided}}) {
if ($file{uses}{$func}) {
if (exists $file{uses_deps}{$func}) {
diag("Uses $func, which depends on ", join(', ', @{$file{uses_deps}{$func}}));
}

Open Source Used In CSPC_Collector 2.9.1 9208


else {
    diag("Uses $func");
}

$warnings += hint($func);

}

unless ($opt{quiet}) {
    for $func (sort keys %{$file{uses_todo}})) {
        print "*** WARNING: Uses $func, which may not be portable below perl ",
            format_version($API{$func}{todo}), ", even with '\$ppport'\'n";
        $warnings++;
    }
}

for $func (sort keys %{$file{needed_static}})) {
    my $message = ";
    if (not exists $file{uses}($func)) {
        $message = "No need to define NEED_\$func if $func is never used";
    }
    elsif (exists $file{needs}(\$func) && $file{needs}($func) ne 'static') {
        $message = "No need to define NEED_\$func when already needed globally";
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^\$HS*#\$HS*define\$HS+NEED_\$func\b.*\$LF//mg);
    }
}

for $func (sort keys %{$file{needed_global}})) {
    my $message = ";
    if (not exists $global{uses}($func)) {
        $message = "No need to define NEED_$func\_GLOBAL if $func is never used";
    }
    elsif (exists $file{needs}($func)) {
        if (\$file{needs}($func) eq 'extern') {
            $message = "No need to define NEED_$func\_GLOBAL when already needed globally";
        }
        elsif (\$file{needs}($func) eq 'static') {
            $message = "No need to define NEED_$func\_GLOBAL when only used in this file";
        }
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^\$HS*#\$HS*define\$HS+\$func\_GLOBAL\b.*\$LF//mg);
    }
}
$file{needs_inc_ppport} = keys %{$file{uses}};

if ($file{needs_inc_ppport}) {
    my $pp = "\n
for $func (sort keys %{$file{needs}})) {
    my $type = $file{needs}[$func];
    next if $type eq 'extern';
    my $suffix = $type eq 'global' ? '_GLOBAL' : '';
    unless (exists $file{needed_#{type}}[$func]) {
        if ($type eq 'global') {
            diag("Files [@{global{needs}[$func]}] need $func, adding global request");
        } else {
            diag("File needs $func, adding static request");
        }
        $pp .= "#define NEED_${func}$suffix\n";
    }
}

if ($pp && ($c =~ s/^(?=$HS*#$HS*define$HS+NEED_\w+\+?)/$pp/m)) {
    $pp = "\n    $file{changes}++;
}

unless ($file{has_inc_ppport}) {
    diag("Needs to include \'$ppport\'");
    $pp .= qq(#include "$ppport\n")
}

if ($pp) {
    $file{changes} += ($c =~ s/^(?=$HS*#\$HS*define\$HS+NEED_\w+\+?)/$1$pp/ms)
        || ($c =~ s/^(?=\$HS*#\$HS*include.*\Q$ppport\E)\$/pp/m)
        || ($c =~ s/^(?=\$HS*#\$HS*include.*XSUB.\w+\+?)/$1$pp/m)
        || ($c =~ s/\$/\$pp/);
} else {
    if ($file{has_inc_ppport}) {
        diag("No need to include \'$ppport\'");
        $file{changes} += ($c =~ s/\$/\$cppc=0;\$/;)
    } else {
        diag("No need to include \'$ppport\'");
        $file{changes} += ($c =~ s/\$/\$cppc=0;\$/;)
    }
}

# put back in our C comments
my $ix;
my $cppc = 0;
my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
    if (!$opt{cplusplus} && $ccom[$ix] =~ s!^//!!) {
        $cppc++;
        $file{changes} =~ s/$rccs$ix$rcce/$ccs$ccom[$ix] $cce/;
    } else {
        $c =~ s/$rccs$ix$rcce/$ccom[$ix]/;
    }
}

if ($cppc) {
    my $s = $cppc != 1 ? 's' : ';
    warning("Uses $cppc C++ style comment$s, which is not portable");
}

my $s = $warnings != 1 ? 's' : ';
my $warn = $warnings ? " ($warnings warning$s)" : "
info("Analysis completed$warn");

if ($file{changes}) {
    if (exists $opt{copy}) {
        my $newfile = "$filename$opt{copy}";
        if (-e $newfile) {
            error("$newfile' already exists, refusing to write copy of 'filename'");
        } else {
            local *F;
            if (open F, ">$newfile") {
                info("Writing copy of 'filename' with changes to 'newfile'");
                print F $c;
                close F;
            } else {
                error("Cannot open '$newfile' for writing: $!";
            }
        }
    } elsif (exists $opt{patch} || $opt{changes}) {
        if (exists $opt{patch}) {
            unless ($patch_opened) {
                if (open PATCH, ">$opt{patch}") {
                    $patch_opened = 1;
                } else {
                    error("Cannot open '$opt{patch}' for writing: $!";
                }
            } else {
                error("Cannot open '$opt{patch}' for writing: $!");
            }
        }
    }
} elseif (exists $opt{patch} || $opt{changes}) {
    if (exists $opt{patch}) {
        unless ($patch_opened) {
            if (open PATCH, ">$opt{patch}") {
                $patch_opened = 1;
            } else {
                error("Cannot open '$opt{patch}' for writing: $!";
            }
        } else {
            error("Cannot open '$opt{patch}' for writing: $!");
        }
    } else {
        delete $opt{patch};
        $opt{changes} = 1;
        goto fallback;
mydiff($*PATCH, $filename, $c);
}

else {
  fallback:
    info("Suggested changes: ");
    mydiff($*STDOUT, $filename, $c);
  }
}

else {
  my $s = $file{changes} == 1 ? '' : 's';
  info("$file{changes} potentially required change$s detected");
}
}

else {
  info("Looks good");
}
}

close PATCH if $patch_opened;

exit 0;

sub try_use { eval "use @_;"; return $@ eq " " }

sub mydiff
{
  local *F = shift;
  my($file, $str) = @_; 
  my $diff;

  if (exists $opt{diff}) {
    $diff = run_diff($opt{diff}, $file, $str);
  } 

  if (!defined $diff and try_use('Text::Diff')) {
    $diff = Text::Diff::diff($file, $str, { STYLE => 'Unified' });
    $diff = <<HEADER . $diff;
    --- $file
    +++ $file.patched
    HEADER
  }

  if (!defined $diff) {
    $diff = run_diff('diff -u', $file, $str);
  }
}
if (!defined $diff) {
    $diff = run_diff('diff', $file, $str);
}

if (!defined $diff) {
    error("Cannot generate a diff. Please install Text::Diff or use --copy.");
    return;
}

print F $diff;
}

sub run_diff
{
  my($prog, $file, $str) = @_;;
  my $tmp = 'dppptemp';
  my $suf = 'aaa';
  my $diff = ";
  local *F;

  while (-e "$tmp.$suf") { $suf++ }
  $tmp = "$tmp.$suf"
  if (open F, ">$tmp") {
    print F $str;
    close F;
    if (open F, "$prog $file $tmp |") {
      while (<F>) {
        s/\Q$tmp\E/$file.patched/;
        $diff .= $_;
      }
      close F;
      unlink $tmp;
    return $diff;
    }
    else {
      error("Cannot open '$tmp' for writing: $!");
    }
  }
  unlink $tmp;
}
else {
    error("Cannot open '$tmp' for writing: $!");
}

return undef;
}

sub rec_depend
my($func, $seen) = @_; return () unless exists $depends{$func};
$seen = {%{$seen||{}}}; return () if $seen->{$func}++;
my %s;
grep !s{$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}};
}

sub parse_version
{
  my $ver = shift;

  if ($ver =~ /^\d+\.\d+\.\d+$/) {
    return ($1, $2, $3);
  }
  elsif ($ver !~ /^\d+\.[\d_]+$/) {
    die "cannot parse version '$ver\n";
  }
  $ver =~ s/_//g;
  $ver =~ s/$/000000/;
  my($r,$v,$s) = $ver =~ /\d+\.\d{3}.\d{3}/;
  $v = int $v;
  $s = int $s;

  if ($r < 5 || ($r == 5 && $v < 6)) {
    if ($s % 10) {
      die "cannot parse version '$ver\n";
    }
  }
  return ($r, $v, $s);
}

sub format_version
{
  my $ver = shift;
  $ver =~ s/$/000000/;
  my($r,$v,$s) = $ver =~ /\d+\.\d{3}.\d{3}/;
  $v = int $v;
  $s = int $s;

  if ($r < 5 || ($r == 5 && $v < 6)) {
    return ($r, $v, $s);
  }
if ($s % 10) {
    die "invalid version \$ver\n";
}
$s /= 10;

$ver = sprintf "%d.%03d", $r, $v;
$s > 0 and $ver .= sprintf "._%02d", $s;

return $ver;
}

return sprintf "%d.%d.%d", $r, $v, $s;
}

sub info {
    $opt{quiet} and return;
    print @_, "\n";
}

sub diag {
    $opt{quiet} and return;
    $opt{diag} and print @_, "\n";
}

sub warning {
    $opt{quiet} and return;
    print "*** \", @_, "\n";
}

sub error {
    print "*** ERROR: \", @_, "\n";
}

my %given_hints;
my %given_warnings;
sub hint {
    $opt{quiet} and return;
    my $func = shift;
    my $rv = 0;
    if (exists $warnings{$func} && !$given_warnings{$func}++) {
        my $warn = $warnings{$func};
        $warn =~ s!^!*** !mg;
        print "*** WARNING: $func\n", $warn;
    }
```perl
$rv++;  
}
if ($opt{hints} && exists $hints{$func} && !given_hints{$func}++)  
    my $hint = $hints{$func};
    $hint =~ s/^/   /mg;
    print "   --- hint for $func ---\n", $hint;
}
$rv;

sub usage  
{
    my($usage) = do { local(@ARGV,$/)=($0); <> } =~ /^=head\d$HS+SYNOPSIS\s*^(.*?)\s*^=/ms;
    my %M = ( 'I' => '*' );
    $usage =~ s/\^s*perl\^s*+$S^X$0/;
    $usage =~ s/([^A-Z])<([^>]*)>/\$M{$1}$2$M{$1}/g;
    print <<ENDUSAGE;
Usage: $usage
See perldoc $0 for details.
ENDUSAGE
exit 2;

sub strip  
{
    my $self = do { local(@ARGV,$/)=($0); <> }; my($copy) = $self =~ /^=head\d\s+COPYRIGHT\s*^(.*?)^=\w+/ms;
    $copy =~ s/^(?!\S+)/    /gms;
    $self =~ s/$HS+Do NOT edit.*?(?=^-)/$copy/ms;
    $self =~ s/$HS+SKIP.*(?=\^__DATA__)/SKIP
    if (@ARGV && $ARGV[0] eq '--unstrip')  
        eval { require Devel::PPPort };  
        \$@ and die "Cannot require Devel::PPPort, please install.\n";
    if (eval \$Devel::PPPort::VERSION < \$VERSION)  
        die "$0 was originally generated with Devel::PPPort $VERSION.\n";
        "Your Devel::PPPort is only version \$Devel::PPPort::VERSION.\n"
        "Please install a newer version, or --unstrip will not work.\n";
    Devel::PPPort::WriteFile($0);
    exit 0;
}
print <<<END;
```
Found in path(s):
  */opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/ppport.h
No license file was found, but licenses were detected in source scan.

=head1 NAME

File::Spec - portably perform operations on file names

=head1 SYNOPSIS

use File::Spec;

$x=
File::Spec->catfile('a', 'b', 'c');

which returns 'a/b/c' under Unix. Or:

use File::Spec::Functions;
$x = \text{catfile}(\text{'a'}, \text{'b'}, \text{'c'}); \text{\textbackslash n}

\textbf{DESCRIPTION} \text{\textbackslash n}

This module is designed to support operations commonly performed on file specifications (usually called "file names", but not to be confused with the contents of a file, or Perl's file handles), such as concatenating several directory and file names into a single path, or determining whether a path is rooted. It is based on code directly taken from MakeMaker 5.17, code written by Andreas KE\"o\uml{n}ig, Andy Dougherty, Charles Bailey, Ilya Zakharevich, Paul Schinder, and others.

Since these functions are different for most operating systems, each set of OS specific routines is available in a separate module, including:

- File::Spec::Unix
- File::Spec::Mac
- File::Spec::OS2
- File::Spec::Win32
- File::Spec::VMS

The module appropriate for the current OS is automatically loaded by File::Spec. Since some modules (like VMS) make use of facilities available only under that OS, it may not be possible to load all modules under all operating systems.

Since File::Spec is object oriented, subroutines should not be called directly, as in:

- \text{File::Spec::catfile(\text{'a'}, \text{'b'});} \text{\textbackslash n}

but rather as class methods:

- \text{File::Spec->catfile(\text{'a'}, \text{'b'});} \text{\textbackslash n}

For simple uses, \text{L<File::Spec::Functions> provides convenient functional forms of these methods.} \text{\textbackslash n}

\textbf{METHODS} \text{\textbackslash n}

\textbf{METHODS} \text{\textbackslash n}

- \textbf{canonpath} \text{\textbackslash n}

No physical check on the filesystem, but a logical cleanup of a path.
$cpath = File::Spec->canonpath($path);

Note that this does *not* collapse F<x../y> sections into F<y>. This is by design. If F</foo> on your system is a symlink to F</bar/baz>, then F</foo/../quux> is actually F</bar/quux>, not F</quux> as a naive F<x../>-removal would give you. If you want to do this kind of processing, you probably want C<Cwd>'s C<realpath()> function to actually traverse the filesystem cleaning up paths like this.

=item catdir
X<catdir>

Concatenate two or more directory names to form a complete path ending with a directory. But remove the trailing slash from the resulting string, because it doesn't look good, isn't necessary and confuses OS/2. Of course, if this is the root directory, don't cut off the trailing slash ;-)  

$path = File::Spec->catdir(@directories);

=item catfile
X<catfile>

Concatenate one or more directory names and a filename to form a complete path ending with a filename

$path = File::Spec->catfile(@directories, $filename);

=item curdir
X<curdir>

Returns a string representation of the current directory.

$curdir = File::Spec->curdir();

=item devnull
X<devnull>

Returns a string representation of the null device.

$devnull = File::Spec->devnull();

=item rootdir
X<rootdir>

Returns a string representation of the root directory.

$rootdir = File::Spec->rootdir();
=item tmpdir
X<tmpdir>

Returns a string representation of the first writable directory from a list of possible temporary directories. Returns the current directory if no writable temporary directories are found. The list of directories checked depends on the platform; e.g. File::Spec::Unix checks C<$ENV{TMPDIR}>(unless taint is on) and F</tmp>.

$tmpdir = File::Spec-&gt;tmpdir();

=item updir
X<updir>

Returns a string representation of the parent directory.

$updir = File::Spec-&gt;updir();

=item no_upwards

Given a list of files in a directory (such as from C&lt;readdir()&gt;), strip out C&lt;'.'&gt; and C&lt;'..'&gt;.

B&lt;SECURITY NOTE:&gt; This does NOT filter paths containing C&lt;'..'&gt;, like C&lt;'..//etc/passwd'&gt;, only literal matches to C&lt;'.'&gt; and C&lt;'..'&gt.;

@paths = File::Spec-&gt;no_upwards( readdir $dirhandle );

=item case_tolerant

Returns a true or false value indicating, respectively, that alphabetic case is not or is significant when comparing file specifications. Cygwin and Win32 accept an optional drive argument.

$is_case_tolerant = File::Spec-&gt;case_tolerant();

=item file_name_is_absolute

Takes as its argument a path, and returns true if it is an absolute path.

$is_absolute = File::Spec-&gt;file_name_is_absolute( $path );

This does not consult the local filesystem on Unix, Win32, OS/2, or Mac OS (Classic). It does consult the working environment for VMS (see L&lt;File::Spec::VMS/file_name_is_absolute&gt;).

=item path
Takes no argument. Returns the environment variable C<PATH> (or the local platform's equivalent) as a list.

@PATH = File::Spec->path();

join is the same as catfile.

join is the same as catfile.

Splits a path into volume, directory, and filename portions. On systems with no concept of volume, returns "" for volume.

($volume,$directories,$file) =
    File::Spec->splitpath( $path );

For systems with no syntax differentiating filenames from directories, assumes that the last file is a path unless C<$no_file> is true or a trailing separator or F</.> or F</..> is present. On Unix, this means that C<$no_file> true makes this return (", $path, " ).

The directory portion may or may not be returned with a trailing '/'.

The results can be passed to L</catpath()> to get back a path equivalent to (usually identical to) the original path.

The opposite of L</catdir/>. 

C<$directories> must be only the directory portion of the path on systems that have the concept of a volume or that have path syntax that differentiates files from directories.

Unlike just splitting the directories on the separator, empty directory names (C<"">) can be returned, because these are significant on some OSes.
=item catpath()

Takes volume, directory and file portions and returns an entire path. Under Unix, C<$volume> is ignored, and directory and file are concatenated. A '/' is inserted if need be. On other OSes, C<$volume> is significant.

```perl
$full_path = File::Spec->catpath( $volume, $directory, $file );
```

=item abs2rel

X<abs2rel> X<absolute, path> X<relative, path>

Takes a destination path and an optional base path returns a relative path from the base path to the destination path:

```perl
$rel_path = File::Spec->abs2rel( $path ) ;
$rel_path = File::Spec->abs2rel( $path, $base ) ;
```

If C<$base> is not present or ", then L<Cwd::cwd()> is used. If C<$base> is relative, then it is converted to absolute form using L</rel2abs()> . This means that it is taken to be relative to L<Cwd::cwd()> .

On systems with the concept of volume, if C<$path> and C<$base> appear to be on two different volumes, we will not attempt to resolve the two paths, and we will instead simply return C<$path> . Note that previous versions of this module ignored the volume of C<$base> , which resulted in garbage results part of the time.

On systems that have a grammar that indicates filenames, this ignores the C<$base> filename as well. Otherwise all path components are assumed to be directories.

If C<$path> is relative, it is converted to absolute form using L</rel2abs()> . This means that it is taken to be relative to L<Cwd::cwd()> .

No checks against the filesystem are made. On VMS, there is interaction with the working environment, as logicals and macros are expanded.

Based on code written by Shigio Yamaguchi.

=item rel2abs()

X<rel2abs> X<absolute, path> X<relative, path>

Converts a relative path to an absolute path.

```perl
$abs_path = File::Spec->rel2abs( $path ) ;
$abs_path = File::Spec->rel2abs( $path, $base ) ;
```
If $base$ is not present or ", then $\text{Cwd::cwd()}$ is used. If $base$ is relative, then it is converted to absolute form using $\text{/rel2abs()}$. This means that it is taken to be relative to $\text{Cwd::cwd()}$.

On systems with the concept of volume, if $path$ and $base$ appear to be on two different volumes, we will not attempt to resolve the two paths, and we will instead simply return $path$. Note that previous versions of this module ignored the volume of $base$, which resulted in garbage results part of the time.

On systems that have a grammar that indicates filenames, this ignores the $base$ filename as well. Otherwise all path components are assumed to be directories.

If $path$ is absolute, it is cleaned up and returned using $\text{/canonpath}$.

No checks against the filesystem are made. On VMS, there is interaction with the working environment, as logica and macros are expanded.

Based on code written by Shigio Yamaguchi.

=back

For further information, please see $\text{File::Spec::Unix}$, $\text{File::Spec::Mac}$, $\text{File::Spec::OS2}$, $\text{File::Spec::Win32}$, or $\text{File::Spec::VMS}$.

=head1 SEE ALSO

$\text{File::Spec::Unix}$, $\text{File::Spec::Mac}$, $\text{File::Spec::OS2}$, $\text{File::Spec::Win32}$, $\text{File::Spec::VMS}$, $\text{File::Spec::Functions}$, $\text{ExtUtils::MakeMaker}$

=head1 AUTHOR

Currently maintained by Ken Williams $\text{<KWILLIAMS@cpan.org>}$.

The vast majority of the code was written by
Kenneth Albanowski $\text{<kjahds@kjahds.com>}$,
Andy Dougherty $\text{<doughera@lafayette.edu>}$,
Andreas KEouml;nig $\text{<A.Koenig@franz.wv.TU-Berlin.DE>}$,
Tim Bunce $\text{<Tim.Bunce@ig.co.uk>}$,
VMS support by Charles Bailey $\text{<bailey@newman.upenn.edu>}$,
OS/2 support by Ilya Zakharevich $\text{<iilya@math.ohio-state.edu>}$,
Mac support by Paul Schinder $\text{<schinder@pobox.com>}$, and
Thomas Wegner $\text{<wegner_thomas@yahoo.com>}$.
Copyright (c) 2004-2013 by the Perl 5 Porters. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

No license file was found, but licenses were detected in source scan.

---
abstract: 'Tools for working with directory and file names'
author:
  - 'Perl 5 Porters'
buildRequires:
  ExtUtils::MakeMaker: '0'
configureRequires:
  ExtUtils::MakeMaker: '0'
dynamicConfig: 1
generatedBy: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: perl
metaSpec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: PathTools
noIndex:
  directory:
    - t
    - inc
requires:
  Carp: '0'
  File::Basename: '0'
  Scalar::Util: '0'
  Test::More: '0.88'
resources:
  bugtracker: https://rt.perl.org/rt3/
  homepage: http://dev.perl.org/
  repository: git://perl5.git.perl.org/perl.git
  version: '3.74'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'
COPYRIGHT

Copyright (c) 2004 by the Perl 5 Porters. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Please submit bug reports and patches to perlbug@perl.org.

SEE ALSO

L<File::Spec>

NAME

File::Spec::OS2 - methods for OS/2 file specs

SYNOPSIS

require File::Spec::OS2; # Done internally by File::Spec if needed

DESCRIPTION

See L<File::Spec> and L<File::Spec::Unix>. This package overrides the implementation of these methods, not the semantics.

Amongst the changes made for OS/2 are...

ITEM tmpdir

Modifies the list of places temp directory information is looked for.
$ENV{TMPDIR}
$ENV{TEMP}
$ENV{TMP}
/tmp
/

=item splitpath

Volumes can be drive letters or UNC sharenames (\server\share).

=back

=head1 COPYRIGHT

Copyright (c) 2004 by the Perl 5 Porters. All rights reserved.

This program is free software; you can redistribute it and/or modify
it under the same terms as Perl itself.

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/lib/File/Spec/OS2.pm
No license file was found, but licenses were detected in source scan.

=back

=head1 AUTHORS

See the authors list in I<File::Spec>. Mac OS support by Paul Schinder
<schinder@pobox.com> and Thomas Wegner <wegner_thomas@yahoo.com>.

=head1 COPYRIGHT

Copyright (c) 2004 by the Perl 5 Porters. All rights reserved.

This program is free software; you can redistribute it and/or modify
it under the same terms as Perl itself.

=head1 SEE ALSO

See L<File::Spec> and L<File::Spec::Unix>. This package overrides the
implementation of these methods, not the semantics.

=cut
Cwd - get pathname of current working directory

SYNOPSIS

use Cwd;
my $dir = getcwd;

use Cwd 'abs_path';
my $abs_path = abs_path($file);

DESCRIPTION

This module provides functions for determining the pathname of the current working directory. It is recommended that getcwd (or another *cwd() function) be used in all code to ensure portability.

By default, it exports the functions cwd(), getcwd(), fastcwd(), and fastgetcwd() (and, on Win32, getdcwd()) into the caller’s namespace.

getcwd and friends

Each of these functions are called without arguments and return the absolute path of the current working directory.

getcwd

my $cwd = getcwd();

Returns the current working directory. On error returns undef, with $! set to indicate the error.

Exposes the POSIX function getcwd(3) or re-implements it if it’s not available.

cwd

my $cwd = cwd();
The $cwd() is the most natural form for the current architecture. For most systems it is identical to `pwd` (but without the trailing line terminator).

=item fastcwd

    my $cwd = fastcwd();

A more dangerous version of getcwd(), but potentially faster.

It might conceivably chdir() you out of a directory that it can't chdir() you back into. If fastcwd encounters a problem it will return undef but will probably leave you in a different directory. For a measure of extra security, if everything appears to have worked, the fastcwd() function will check that it leaves you in the same directory that it started in. If it has changed it will C<die> with the message "Unstable directory path, current directory changed unexpectedly". That should never happen.

=item fastgetcwd

    my $cwd = fastgetcwd();

The fastgetcwd() function is provided as a synonym for cwd().

=item getdcwd

    my $cwd = getdcwd();
    my $cwd = getdcwd('C:');

The getdcwd() function is also provided on Win32 to get the current working directory on the specified drive, since Windows maintains a separate current working directory for each drive. If no drive is specified then the current drive is assumed.

This function simply calls the Microsoft C library _getdcwd() function.

=back

=head2 abs_path and friends

These functions are exported only on request. They each take a single argument and return the absolute pathname for it. If no argument is given they'll use the current working directory.

=over 4
=item abs_path

```perl
my $abs_path = abs_path($file);
```

Uses the same algorithm as getcwd(). Symbolic links and relative-path components ("." and ".") are resolved to return the canonical pathname, just like realpath(3). On error returns C<undef>, with C<$!> set to indicate the error.

=item realpath

```perl
my $abs_path = realpath($file);
```

A synonym for abs_path().

=item fast_abs_path

```perl
my $abs_path = fast_abs_path($file);
```

A more dangerous, but potentially faster version of abs_path.

=back

=head2 $ENV{PWD}

If you ask to override your chdir() built-in function,

use Cwd qw(chdir);

then your PWD environment variable will be kept up to date. Note that it will only be kept up to date if all packages which use chdir import it from Cwd.

=head1 NOTES

=over 4

=item *

Since the path separators are different on some operating systems ('/' on Unix, ':' on MacPerl, etc...) we recommend you use the File::Spec modules wherever portability is a concern.

=item *

Actually, on Mac OS, the C<getcwd()> function is all aliases for the C<cwd()> function, which, on Mac OS,
calls `pwd`. Likewise, the C<abs_path()> function is an alias for C<fast_abs_path()>.

=head1 AUTHOR

Originally by the perl5-porters.

Maintained by Ken Williams <KWILLIAMS@cpan.org>

=head1 COPYRIGHT

Copyright (c) 2004 by the Perl 5 Porters. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Portions of the C code in this library are copyright (c) 1994 by the Regents of the University of California. All rights reserved. The license on this code is compatible with the licensing of the rest of the distribution - please see the source code in F<Cwd.xs> for the details.

=head1 SEE ALSO

L<File::chdir>

=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/Cwd.pm
No license file was found, but licenses were detected in source scan.

=back

=head2 Note For File::Spec::Win32 Maintainers

Novell NetWare inherits its File::Spec behaviour from File::Spec::Win32.

=head1 COPYRIGHT

Copyright (c) 2004,2007 by the Perl 5 Porters. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
=head1 SEE ALSO

See L<File::Spec> and L<File::Spec::Unix>. This package overrides the implementation of these methods, not the semantics.
=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/lib/File/Spec/Win32.pm
No license file was found, but licenses were detected in source scan.

=back

=head1 COPYRIGHT

Copyright (c) 2004-14 by the Perl 5 Porters. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

See L<File::Spec> and L<File::Spec::Unix>. This package overrides the implementation of these methods, not the semantics.

An explanation of VMS file specs can be found at L<http://h71000.www7.hp.com/doc/731FINAL/4506/4506pro_014.html#apps_locating_naming_files>.
=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/lib/File/Spec/VMS.pm
No license file was found, but licenses were detected in source scan.

=back

=head1 COPYRIGHT

Copyright (c) 2004,2007 by the Perl 5 Porters. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):
=pod

=head1 AUTHOR

o.flebbe@gmx.de

=head1 COPYRIGHT

Copyright (c) 2004 by the Perl 5 Porters. All rights reserved.

This program is free software; you can redistribute it and/or modify
it under the same terms as Perl itself.

=head1 SEE ALSO

See L<File::Spec> and L<File::Spec::Unix>. This package overrides the
implementation of these methods, not the semantics.

=cut

Found in path(s):
No license file was found, but licenses were detected in source scan.

License: (GPL+ or Artistic) and BSD

Found in path(s):
No license file was found, but licenses were detected in source scan.

=head1 NAME

Digest - Modules that calculate message digests

1.856 scrypt 1.4.0

1.857 perl-digest 1.17-395.el8

1.857.1 Available under license:

No license file was found, but licenses were detected in source scan.

=head1 NAME

Digest - Modules that calculate message digests
SYNOPSIS

$md5  = Digest->new("MD5");
$sha1 = Digest->new("SHA-1");
$sha256 = Digest->new("SHA-256");
$sha384 = Digest->new("SHA-384");
$sha512 = Digest->new("SHA-512");

$hmac = Digest->HMAC_MD5($key);

DESCRIPTION

The C<Digest::> modules calculate digests, also called "fingerprints" or "hashes", of some data, called a message. The digest is (usually) some small/fixed size string. The actual size of the digest depend of the algorithm used. The message is simply a sequence of arbitrary bytes or bits.

An important property of the digest algorithms is that the digest is I<likely> to change if the message change in some way. Another property is that digest functions are one-way functions, that is it should be I<hard> to find a message that correspond to some given digest. Algorithms differ in how "likely" and how "hard", as well as how efficient they are to compute.

Note that the properties of the algorithms change over time, as the algorithms are analyzed and machines grow faster. If your application for instance depends on it being "impossible" to generate the same digest for a different message it is wise to make it easy to plug in stronger algorithms as the one used grow weaker. Using the interface documented here should make it easy to change algorithms later.

All C<Digest::> modules provide the same programming interface. A functional interface for simple use, as well as an object oriented interface that can handle messages of arbitrary length and which can read files directly.

The digest can be delivered in three formats:

=over 8
=item I<binary>

This is the most compact form, but it is not well suited for printing or embedding in places that can't handle arbitrary data.

=item I<hex>
A twice as long string of lowercase hexadecimal digits.

=item I<base64>

A string of portable printable characters. This is the base64 encoded representation of the digest with any trailing padding removed. The string will be about 30% longer than the binary version. L<MIME::Base64> tells you more about this encoding.

=back

The functional interface is simply importable functions with the same name as the algorithm. The functions take the message as argument and return the digest. Example:

use Digest::MD5 qw(md5);
$digest = md5($message);

There are also versions of the functions with "_hex" or "_base64" appended to the name, which returns the digest in the indicated form.

=head1 OO INTERFACE

The following methods are available for all C<Digest::> modules:

=over 4

=item $ctx = Digest->XXX($arg,...)

=item $ctx = Digest->new(XXX => $arg,...)

=item $ctx = Digest::XXX->new($arg,...)

The constructor returns some object that encapsulate the state of the message-digest algorithm. You can add data to the object and finally ask for the digest. The "XXX" should of course be replaced by the proper name of the digest algorithm you want to use.

The two first forms are simply syntactic sugar which automatically load the right module on first use. The second form allow you to use algorithm names which contains letters which are not legal perl identifiers, e.g. "SHA-1". If no implementation for the given algorithm can be found, then an exception is raised.

If new() is called as an instance method (i.e. $ctx->new) it will just reset the state the object to the state of a newly created object. No
new object is created in this case, and the return value is the reference to the object (i.e. $ctx).

=item $other_ctx = $ctx->clone

The clone method creates a copy of the digest state object and returns a reference to the copy.

=item $ctx->reset

This is just an alias for $ctx->new.

=item $ctx->add( $data )

=item $ctx->add( $chunk1, $chunk2, ... )

The string value of the $data provided as argument is appended to the message we calculate the digest for. The return value is the $ctx object itself.

If more arguments are provided then they are all appended to the message, thus all these lines will have the same effect on the state of the $ctx object:

$ctx->add("a"); $ctx->add("b"); $ctx->add("c");
$ctx->add("a")->add("b")->add("c");
$ctx->add("a", "b", "c");
$ctx->add("abc");

Most algorithms are only defined for strings of bytes and this method might therefore croak if the provided arguments contain chars with ordinal number above 255.

=item $ctx->addfile( $io_handle )

The $io_handle is read until EOF and the content is appended to the message we calculate the digest for. The return value is the $ctx object itself.

The addfile() method will croak() if it fails reading data for some reason. If it croaks it is unpredictable what the state of the $ctx object will be in. The addfile() method might have been able to read the file partially before it failed. It is probably wise to discard or reset the $ctx object if this occurs.

In most cases you want to make sure that the $io_handle is in "binmode" before you pass it as argument to the addfile() method.
=item $ctx->add_bits( $data, $nbits )

=item $ctx->add_bits( $bitstring )

The add_bits() method is an alternative to add() that allow partial bytes to be appended to the message. Most users should just ignore this method as partial bytes is very unlikely to be of any practical use.

The two argument form of add_bits() will add the first $nbits bits from $data. For the last potentially partial byte only the high order $nbits % 8 >> bits are used. If $nbits is greater than $ctx->add($data), then this method would do the same as $ctx->add($data).

The one argument form of add_bits() takes a $bitstring of "1" and "0" chars as argument. It's a shorthand for $ctx->add_bits(pack("B*", $bitstring), length($bitstring))

The return value is the $ctx object itself.

This example shows two calls that should have the same effect:

$ctx->add_bits("111100001010");
$ctx->add_bits("xF0xA0", 12);

Most digest algorithms are byte based and for these it is not possible to add bits that are not a multiple of 8, and the add_bits() method will croak if you try.

=item $ctx->digest

Return the binary digest for the message.

Note that the $ctx->digest operation is effectively a destructive, read-once operation. Once it has been performed, the $ctx object is automatically $ctx->reset and can be used to calculate another digest value. Call $ctx->clone->digest if you want to calculate the digest without resetting the digest state.

=item $ctx->hexdigest

Same as $ctx->digest, but will return the digest in hexadecimal form.

=item $ctx->b64digest

Same as $ctx->digest, but will return the digest as a base64 encoded string.
This table should give some indication on the relative speed of different algorithms. It is sorted by throughput based on a benchmark done with of some implementations of this API:

<table>
<thead>
<tr>
<th>Algorithm</th>
<th>Size</th>
<th>Implementation</th>
<th>MB/s</th>
</tr>
</thead>
<tbody>
<tr>
<td>MD4</td>
<td>128</td>
<td>Digest::MD4 v1.3</td>
<td>165.0</td>
</tr>
<tr>
<td>MD5</td>
<td>128</td>
<td>Digest::MD5 v2.33</td>
<td>98.8</td>
</tr>
<tr>
<td>SHA-256</td>
<td>256</td>
<td>Digest::SHA2 v1.1.0</td>
<td>66.7</td>
</tr>
<tr>
<td>SHA-1</td>
<td>160</td>
<td>Digest::SHA v4.3.1</td>
<td>58.9</td>
</tr>
<tr>
<td>SHA-256</td>
<td>256</td>
<td>Digest::SHA1 v2.10</td>
<td>48.8</td>
</tr>
<tr>
<td>Haval-256</td>
<td>256</td>
<td>Digest::Haval256 v1.0.4</td>
<td>41.3</td>
</tr>
<tr>
<td>SHA-384</td>
<td>384</td>
<td>Digest::SHA2 v1.1.0</td>
<td>19.6</td>
</tr>
<tr>
<td>SHA-512</td>
<td>512</td>
<td>Digest::SHA2 v1.1.0</td>
<td>19.3</td>
</tr>
<tr>
<td>SHA-384</td>
<td>384</td>
<td>Digest::SHA v4.3.1</td>
<td>19.2</td>
</tr>
<tr>
<td>SHA-512</td>
<td>512</td>
<td>Digest::SHA v4.3.1</td>
<td>19.2</td>
</tr>
<tr>
<td>Whirlpool</td>
<td>512</td>
<td>Digest::Whirlpool v1.0.2</td>
<td>13.0</td>
</tr>
<tr>
<td>MD2</td>
<td>128</td>
<td>Digest::MD2 v2.03</td>
<td>9.5</td>
</tr>
<tr>
<td>Adler-32</td>
<td>32</td>
<td>Digest::Adler32 v0.03</td>
<td>1.3</td>
</tr>
<tr>
<td>CRC-16</td>
<td>16</td>
<td>Digest::CRC v0.05</td>
<td>1.1</td>
</tr>
<tr>
<td>CRC-32</td>
<td>32</td>
<td>Digest::CRC v0.05</td>
<td>1.1</td>
</tr>
<tr>
<td>MD5</td>
<td>128</td>
<td>Digest::Perl::MD5 v1.5</td>
<td>1.0</td>
</tr>
<tr>
<td>CRC-CCITT</td>
<td>16</td>
<td>Digest::CRC v0.05</td>
<td>0.8</td>
</tr>
</tbody>
</table>

These numbers was achieved Apr 2004 with ActivePerl-5.8.3 running under Linux on a P4 2.8 GHz CPU. The last 5 entries differ by being pure perl implementations of the algorithms, which explains why they are so slow.

**SEE ALSO**
L<Digest::Adler32>, L<Digest::CRC>, L<Digest::Haval256>,
L<Digest::HMAC>, L<Digest::MD2>, L<Digest::MD4>, L<Digest::MD5>,
L<Digest::SHA>, L<Digest::SHA1>, L<Digest::SHA2>, L<Digest::Whirlpool>

New digest implementations should consider subclassing from L<Digest::base>.

L<MIME::Base64>

http://en.wikipedia.org/wiki/Cryptographic_hash_function
The C<Digest::> interface is based on the interface originally developed by Neil Winton for his C<MD5> module.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Copyright 1998-2006 Gisle Aas.

This is just a simple frontend module for autoloading of various Digest:: modules. It also provide documentation of the interface that all Digest:: modules should provide.

You will need perl version 5.004 or better to install this module.

Copyright 1998-2006 Gisle Aas.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
1.858 activemq-amqp 5.15.14
1.858.1 Available under license:

ActiveMQ :: AMQP
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.
To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.859 commons-io 2.3

1.859.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of, 
publicly display, publicly perform, sublicense, and distribute the 
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of 
this License, each Contributor hereby grants to You a perpetual, 
worldwide, non-exclusive, no-charge, royalty-free, irrevocable 
(except as stated in this section) patent license to make, have made, 
use, offer to sell, sell, import, and otherwise transfer the Work, 
where such license applies only to those patent claims licensable 
by such Contributor that are necessarily infringed by their 
Contribution(s) alone or by combination of their Contribution(s) 
with the Work to which such Contribution(s) was submitted. If You 
institute patent litigation against any entity (including a 
cross-claim or counterclaim in a lawsuit) alleging that the Work 
or a Contribution incorporated within the Work constitutes direct 
or contributory patent infringement, then any patent licenses 
granted to You under this License for that Work shall terminate 
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the 
Work or Derivative Works thereof in any medium, with or without 
modifications, and in Source or Object form, provided that You 
meet the following conditions:

(a) You must give any other recipients of the Work or 
    Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices 
    stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works 
    that You distribute, all copyright, patent, trademark, and 
    attribution notices from the Source form of the Work, 
    excluding those notices that do not pertain to any part of 
    the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its 
    distribution, then any Derivative Works that You distribute must 
    include a readable copy of the attribution notices contained 
    within such NOTICE file, excluding those notices that do not 
    pertain to any part of the Derivative Works, in at least one 
    of the following places: within a NOTICE text file distributed 
    as part of the Derivative Works; within the Source form or 
    documentation, if provided along with the Derivative Works; or, 
    within a display generated by the Derivative Works, if and 
    wherever such third-party notices normally appear. The contents 
    of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[[]]
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Apache Commons IO
Copyright 2002-2012 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

1.860 axiom-impl 1.2.6
1.860.1 Available under license:

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).
Portions Copyright 2006 International Business Machines Corp.

Please read the different LICENSE files present in the licenses directory of
this distribution.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.
"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution.”

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

---

Open Source Used In CSPC_Collector 2.9.1 9251
To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.861 screen 4.6.2-11.epel8.playground

1.861.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and
TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.
A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:
a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product.
model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product". which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.
"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own
removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions;
the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.
An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party’s predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone
to copy, free of charge and under the terms of this License, through a
publicly available network server or other readily accessible means,
then you must either (1) cause the Corresponding Source to be so
available, or (2) arrange to deprive yourself of the benefit of the
patent license for this particular work, or (3) arrange, in a manner
consistent with the requirements of this License, to extend the patent
license to downstream recipients. "Knowingly relying" means you have
actual knowledge that, but for the patent license, your conveying the
covered work in a country, or your recipient's use of the covered work
in a country, would infringe one or more identifiable patents in that
country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or
arrangement, you convey, or propagate by procuring conveyance of, a
covered work, and grant a patent license to some of the parties
receiving the covered work authorizing them to use, propagate, modify
or convey a specific copy of the covered work, then the patent license
you grant is automatically extended to all recipients of the covered
work and works based on it.

A patent license is "discriminatory" if it does not include within
the scope of its coverage, prohibits the exercise of, or is
conditioned on the non-exercise of one or more of the rights that are
specifically granted under this License. You may not convey a covered
work if you are a party to an arrangement with a third party that is
in the business of distributing software, under which you make payment
to the third party based on the extent of your activity of conveying
the work, and under which the third party grants, to any of the
parties who would receive the covered work from you, a discriminatory
patent license (a) in connection with copies of the covered work
conveyed by you (or copies made from those copies), or (b) primarily
for and in connection with specific products or compilations that
contain the covered work, unless you entered into that arrangement,
or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting
any implied license or other defenses to infringement that may
otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot convey a
covered work so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you may
not convey it at all. For example, if you agree to terms that obligate you
to collect a royalty for further conveying from those to whom you convey

---

Open Source Used In CSPC_Collector 2.9.1 9263
the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.862 commons-codec 2.0-SNAPSHOT

1.862.1 Available under license:
Apache Commons Codec
Copyright 2002-2013 The Apache Software Foundation

This product includes software developed at The Apache Software Foundation (http://www.apache.org/).

Copyright (C) 2002 Kevin Atkinson (kevina@gnu.org)

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.863 api-common 1.0.0

1.864 wget 1.19.5-8.el8_1.1
1.864.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <https://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.
For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains
that there is no warranty for this free software. For both users' and
authors' sake, the GPL requires that modified versions be marked as
changed, so that their problems will not be attributed erroneously to
authors of previous versions.

Some devices are designed to deny users access to install or run
modified versions of the software inside them, although the manufacturer
can do so. This is fundamentally incompatible with the aim of
protecting users' freedom to change the software. The systematic
pattern of such abuse occurs in the area of products for individuals to
use, which is precisely where it is most unacceptable. Therefore, we
have designed this version of the GPL to prohibit the practice for those
products. If such problems arise substantially in other domains, we
stand ready to extend this provision to those domains in future versions
of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents.
States should not allow patents to restrict development and use of
software on general-purpose computers, but in those that do, we wish to
avoid the special danger that patents applied to a free program could
make it effectively proprietary. To prevent this, the GPL assures that
patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and
modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of
works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this
License. Each licensee is addressed as "you". "Licensees" and
"recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.
3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts.
regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

Open Source Used In CSPC_Collector 2.9.1 9276
d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal
Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and
finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of
rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or
arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.
14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <https://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c` for details.

The hypothetical commands `show w` and `show c` should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <https://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <https://www.gnu.org/philosophy/why-not-lgpl.html>.

1.865 dmidecode 3.5

1.865.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is
implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.866 jre 1.8.0u281
1.866.1 Available under license:

## ASM Bytecode Manipulation Framework v7.0

### ASM License

<pre>
Copyright (c) 2000-2011 France Tlcom
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
</pre>
3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

</pre>
## c-libutl 20160225
### c-libutl License
```
This software is distributed under the terms of the BSD license.

== BSD LICENSE ===============================================================
(C) 2009 by Remo Dentato (rdentato@gmail.com)

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
```
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

http://opensource.org/licenses/bsd-license.php

```bash
The GIFLIB distribution is Copyright (c) 1997 Eric S. Raymond

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
THE SOFTWARE.
```
wherever such third-party acknowledgments normally appear.

4. The names "Graz University of Technology" and "IAIK of Graz University of Technology" must not be used to endorse or promote products derived from this software without prior written permission.

5. Products derived from this software may not be called "IAIK PKCS Wrapper", nor may "IAIK" appear in their name, without prior written permission of Graz University of Technology.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE LICENSOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY OWNERSHIP RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. OASIS AND ITS MEMBERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THIS DOCUMENT OR ANY PART THEREOF.

```
## International Components for Unicode (ICU4J) v64.2

### ICU4J License
```

COPYRIGHT AND PERMISSION NOTICE (ICU 58 and later)

Copyright 1991-2019 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in https://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either (a) this copyright and permission notice appear with all copies of the Data Files or Software, or (b) this copyright and permission notice appear in associated Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.
Third-Party Software Licenses

This section contains third-party software notices and/or additional terms for licensed third-party software components included within ICU libraries.

1. ICU License - ICU 1.8.1 to ICU 57.1

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2016 International Business Machines Corporation and others
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.


# The Google Chrome software developed by Google is licensed under
# the BSD license. Other software included in this distribution is
# The BSD License
# http://opensource.org/licenses/bsd-license.php
# Copyright (C) 2006-2008, Google Inc.
#
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are met:
#
# Redistributions of source code must retain the above copyright notice,
# this list of conditions and the following disclaimer.
# Redistributions in binary form must reproduce the above
# copyright notice, this list of conditions and the following
# disclaimer in the documentation and/or other materials provided with
# the distribution.
# Neither the name of Google Inc. nor the names of its
# contributors may be used to endorse or promote products derived from
# this software without specific prior written permission.
#
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
# CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
# LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
# CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
# SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
# BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
# LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
# NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
# SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
#
# The word list in cjdict.txt are generated by combining three word lists
# listed below with further processing for compound word breaking. The
# frequency is generated with an iterative training against Google web
# corpora.
#
# * Libtabe (Chinese)
#   - https://sourceforge.net/project/?group_id=1519
#   - Its license terms and conditions are shown below.
#
# * IPADIC (Japanese)
#   - http://chasen.aist-nara.ac.jp/chasen/distribution.html
#   - Its license terms and conditions are shown below.
# # ---------COPYING.libtabe ---- BEGIN-------------------
#
# /*
# * Copyright (c) 1999 TaBE Project.
# * Copyright (c) 1999 Pai-Hsiang Hsiao.
# * All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * Redistributions in binary form must reproduce the above copyright
# * notice, this list of conditions and the following disclaimer in
# * the documentation and/or other materials provided with the
# * distribution.
# * Neither the name of the TaBE Project nor the names of its
# * contributors may be used to endorse or promote products derived
# * from this software without specific prior written permission.
# *
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
#
# /*
# * Copyright (c) 1999 Computer Systems and Communication Lab,
# * Institute of Information Science, Academia Sinica. All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * Redistributions in binary form must reproduce the above copyright
A large portion of the dictionary entries originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from
# any person, organization or entity other than ICOT, unless it makes or
# grants independently of ICOT any specific warranty to the user in
# writing, such person, organization or entity, will also be exempted
# from and not be held liable to the user for any such damages as noted
# above as far as the program is concerned.
#
# ---------------COPYING.ipadic-----END------------------------------

3. Lao Word Break Dictionary Data (laodict.txt)

# Copyright (c) 2013 International Business Machines Corporation
# and others. All Rights Reserved.
#
# Project: http://code.google.com/p/lao-dictionary/
# License: http://lao-dictionary.googlecode.com/git/Lao-Dictionary-LICENSE.txt
#          (copied below)
#
# This file is derived from the above dictionary, with slight
# modifications.
# -----------------------------------------------
# Copyright (C) 2013 Brian Eugene Wilson, Robert Martin Campbell.
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification,
# are permitted provided that the following conditions are met:
#
# Redistributions of source code must retain the above copyright notice, this
# list of conditions and the following disclaimer. Redistributions in
# binary form must reproduce the above copyright notice, this list of
# conditions and the following disclaimer in the documentation and/or
# other materials provided with the distribution.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
# INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# OF THE POSSIBILITY OF SUCH DAMAGE.
4. Burmese Word Break Dictionary Data (burmesedict.txt)

# Copyright (c) 2014 International Business Machines Corporation
# and others. All Rights Reserved.
#
# This list is part of a project hosted at:
# github.com/kanyawtech/myanmar-karen-word-lists
#
# Copyright (c) 2013, LeRoy Benjamin Sharon
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions
# are met: Redistributions of source code must retain the above
# copyright notice, this list of conditions and the following
# disclaimer. Redistributions in binary form must reproduce the
# above copyright notice, this list of conditions and the following
# disclaimer in the documentation and/or other materials provided
# with the distribution.
#
# Neither the name Myanmar Karen Word Lists, nor the names of its
# contributors may be used to endorse or promote products derived
# from this software without specific prior written permission.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
# CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS
# BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
# EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED
# TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
# DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
# ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR
# TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF
# THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
# SUCH DAMAGE.
#
# Time Zone Database

ICU uses the public domain data and code derived from Time Zone
Database for its time zone support. The ownership of the TZ database
is explained in BCP 175: Procedure for Maintaining the Time Zone
Database section 7.
# 7. Database Ownership

# The TZ database itself is not an IETF Contribution or an IETF document. Rather it is a pre-existing and regularly updated work that is in the public domain, and is intended to remain in the public domain. Therefore, BCPs 78 [RFC5378] and 79 [RFC3979] do not apply to the TZ Database or contributions that individuals make to it. Should any claims be made and substantiated against the TZ Database, the organization that is providing the IANA Considerations defined in this RFC, under the memorandum of understanding with the IETF, currently ICANN, may act in accordance with all competent court orders. No ownership claims will be made by ICANN or the IETF Trust on the database or the code. Any person making a contribution to the database or code waives all rights to future claims in that contribution or in the TZ Database.

```
### Mozilla Public Suffix List

#### Public Suffix Notice

You are receiving a copy of the Mozilla Public Suffix List in the following file: `<java-home>/lib/security/public_suffix_list.dat`. The terms of the Oracle license do NOT apply to this file; it is licensed under the Mozilla Public License 2.0, separately from the Oracle programs you receive. If you do not wish to use the Public Suffix List, you may remove the `<java-home>/lib/security/public_suffix_list.dat` file.

The Source Code of this file is available under the Mozilla Public License, v. 2.0 and is located at https://raw.githubusercontent.com/publicsuffix/list/33c1c788decfed1052089fa27e3005fe4088dec3/public_suffix_list.dat.

If a copy of the MPL was not distributed with this file, you can obtain one at https://mozilla.org/MPL/2.0/.

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

```
### MPL v2.0

Mozilla Public License Version 2.0
==================================
1. Definitions

----------------
1.1. "Contributor"
means each individual or legal entity that creates, contributes to
the creation of, or owns Covered Software.

1.2. "Contributor Version"
means the combination of the Contributions of others (if any) used
by a Contributor and that particular Contributor's Contribution.

1.3. "Contribution"
means Covered Software of a particular Contributor.

1.4. "Covered Software"
means Source Code Form to which the initial Contributor has attached
the notice in Exhibit A, the Executable Form of such Source Code
Form, and Modifications of such Source Code Form, in each case
including portions thereof.

1.5. "Incompatible With Secondary Licenses"
means

(a) that the initial Contributor has attached the notice described
    in Exhibit B to the Covered Software; or

(b) that the Covered Software was made available under the terms of
    version 1.1 or earlier of the License, but not also under the
terms of a Secondary License.

1.6. "Executable Form"
means any form of the work other than Source Code Form.

1.7. "Larger Work"
means a work that combines Covered Software with other material, in
a separate file or files, that is not Covered Software.

1.8. "License"
means this document.

1.9. "Licensable"
means having the right to grant, to the maximum extent possible,
whether at the time of the initial grant or subsequently, any and
all of the rights conveyed by this License.

1.10. "Modifications"
means any of the following:

(a) any file in Source Code Form that results from an addition to,
deletion from, or modification of the contents of Covered
1.11. "Patent Claims" of a Contributor means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License" means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form" means the form of the work preferred for making modifications.

1.14. "You" (or "Your") means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions
-----------------------------------

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

(b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its
2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

(a) for any code that a Contributor has removed from Covered Software; or

(b) for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

(c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other
equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

(a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

(b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).
3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License.
from such Contributor, and You become compliant prior to 30 days after
Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent
infringement claim (excluding declaratory judgment actions,
counter-claims, and cross-claims) alleging that a Contributor Version
directly or indirectly infringes any patent, then the rights granted to
You by any and all Contributors for the Covered Software under Section
2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all
end user license agreements (excluding distributors and resellers) which
have been validly granted by You or Your distributors under this License
prior to termination shall survive termination.

************************************************************************
*                                                                      *
*  6. Disclaimer of Warranty                                           *
*  -------------------------                                           *
*                                                                      *
*  Covered Software is provided under this License on an "as is"        *
*  basis, without warranty of any kind, either expressed, implied, or  *
*  statutory, including, without limitation, warranties that the        *
*  Covered Software is free of defects, merchantable, fit for a         *
*  particular purpose or non-infringing. The entire risk as to the      *
*  quality and performance of the Covered Software is with You.         *
*  Should any Covered Software prove defective in any respect, You      *
*  (not any Contributor) assume the cost of any necessary servicing,   *
*  repair, or correction. This disclaimer of warranty constitutes an     *
*  essential part of this License. No use of any Covered Software is    *
*  authorized under this License except under this disclaimer.         *
*                                                                      *
************************************************************************
************************************************************************
*                                                                      *
*  7. Limitation of Liability                                          *
*  --------------------------                                          *
*                                                                      *
*  Under no circumstances and under no legal theory, whether tort       *
*  (including negligence), contract, or otherwise, shall any            *
*  Contributor, or anyone who distributes Covered Software as           *
*  permitted above, be liable to You for any direct, indirect,          *
*  special, incidental, or consequential damages of any character       *
*  including, without limitation, damages for lost profits, loss of    *
*  goodwill, work stoppage, computer failure or malfunction, or any    *
*  and all other commercial damages or losses, even if such party        *
*  shall have been informed of the possibility of such damages. This    *
*
8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions
If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice
-------------------------------------------
This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at https://mozilla.org/MPL/2.0/.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice
---------------------------------------------------------
This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

```
Copyright 2006-2011, the V8 project authors. All rights reserved.
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

* Redistributions of source code must retain the above copyright
  notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above
  copyright notice, this list of conditions and the following
  disclaimer in the documentation and/or other materials provided
  with the distribution.
* Neither the name of Google Inc. nor the names of its
  contributors may be used to endorse or promote products derived
  from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

</pre>
Copyright (c) %YEARS% Oracle and/or its affiliates. All rights reserved.
DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS FILE HEADER.

This code is free software; you can redistribute it and/or modify it
under the terms of the GNU General Public License version 2 only, as
published by the Free Software Foundation. Oracle designates this
particular file as subject to the "Classpath" exception as provided
by Oracle in the LICENSE file that accompanied this code.

This code is distributed in the hope that it will be useful, but WITHOUT
ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or
FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License
version 2 for more details (a copy is included in the LICENSE file that
accompanied this code).

You should have received a copy of the GNU General Public License version
2 along with this work; if not, write to the Free Software Foundation,
Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA.

Please contact Oracle, 500 Oracle Parkway, Redwood Shores, CA 94065 USA
or visit www.oracle.com if you need additional information or have any questions.

### The FreeType Project: Freetype v2.10.1

#### FreeType Notice

---

FreeType comes with two licenses from which you can choose the one which fits your needs best.

The FreeType License (FTL) is the most commonly used one. It is a BSD-style license with a credit clause and thus compatible with the GNU Public License (GPL) version 3, but not with the GPL version 2.

The GNU General Public License (GPL), version 2. Use it for all projects which use the GPLv2 also, or which need a license compatible to the GPLv2.

---

#### FreeType License

---

The FreeType Project LICENSE
--------------------------------

2006-Jan-27

Copyright 1996-2002, 2006 by
David Turner, Robert Wilhelm, and Werner Lemberg

Introduction
=============

The FreeType Project is distributed in several archive packages; some of them may contain, in addition to the FreeType font engine, various tools and contributions which rely on, or relate to, the FreeType Project.

This license applies to all files found in such packages, and which do not fall under their own explicit license. The license affects thus the FreeType font engine, the test programs, documentation and makefiles, at the very least.

This license was inspired by the BSD, Artistic, and IJG
(Independent JPEG Group) licenses, which all encourage inclusion and use of free software in commercial and freeware products alike. As a consequence, its main points are that:

- We don’t promise that this software works. However, we will be interested in any kind of bug reports. (‘as is’ distribution)

- You can use this software for whatever you want, in parts or full form, without having to pay us. (‘royalty-free’ usage)

- You may not pretend that you wrote this software. If you use it, or only parts of it, in a program, you must acknowledge somewhere in your documentation that you have used the FreeType code. (‘credits’)

We specifically permit and encourage the inclusion of this software, with or without modifications, in commercial products. We disclaim all warranties covering The FreeType Project and assume no liability related to The FreeType Project.

Finally, many people asked us for a preferred form for a credit/disclaimer to use in compliance with this license. We thus encourage you to use the following text:

```
... Portions of this software are copyright <year> The FreeType Project (www.freetype.org). All rights reserved.
...```

Please replace <year> with the value from the FreeType version you actually use.

Legal Terms
============

0. Definitions
-------------

Throughout this license, the terms ‘package’, ‘FreeType Project’, and ‘FreeType archive’ refer to the set of files originally distributed by the authors (David Turner, Robert Wilhelm, and Werner Lemberg) as the ‘FreeType Project’, be they named as alpha, beta or final release.

‘You’ refers to the licensee, or person using the project, where ‘using’ is a generic term including compiling the project’s source
code as well as linking it to form a `program' or `executable'.
This program is referred to as `a program using the FreeType engine'.

This license applies to all files distributed in the original
FreeType Project, including all source code, binaries and
documentation, unless otherwise stated in the file in its
original, unmodified form as distributed in the original archive.
If you are unsure whether or not a particular file is covered by
this license, you must contact us to verify this.

The FreeType Project is copyright (C) 1996-2000 by David Turner,
Robert Wilhelm, and Werner Lemberg. All rights reserved except as
specified below.

1. No Warranty

THE FREETYPE PROJECT IS PROVIDED `AS IS' WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. IN NO EVENT WILL ANY OF THE AUTHORS OR COPYRIGHT HOLDERS
BE LIABLE FOR ANY DAMAGES CAUSED BY THE USE OR THE INABILITY TO
USE, OF THE FREETYPE PROJECT.

2. Redistribution

This license grants a worldwide, royalty-free, perpetual and
irrevocable right and license to use, execute, perform, compile,
display, copy, create derivative works of, distribute and
sublicense the FreeType Project (in both source and object code
forms) and derivative works thereof for any purpose; and to
authorize others to exercise some or all of the rights granted
herein, subject to the following conditions:

o Redistribution of source code must retain this license file
  (`FTL.TXT') unaltered; any additions, deletions or changes to
  the original files must be clearly indicated in accompanying
documentation. The copyright notices of the unaltered,
original files must be preserved in all copies of source
files.

o Redistribution in binary form must provide a disclaimer that
  states that the software is based in part of the work of the
  FreeType Team, in the distribution documentation. We also
  encourage you to put an URL to the FreeType web page in your
documentation, though this isn't mandatory.
These conditions apply to any software derived from or based on the FreeType Project, not just the unmodified files. If you use our work, you must acknowledge us. However, no fee need be paid to us.

3. Advertising

Neither the FreeType authors and contributors nor you shall use the name of the other for commercial, advertising, or promotional purposes without specific prior written permission.

We suggest, but do not require, that you use one or more of the following phrases to refer to this software in your documentation or advertising materials: `FreeType Project', `FreeType Engine', `FreeType library', or `FreeType Distribution'.

As you have not signed this license, you are not required to accept it. However, as the FreeType Project is copyrighted material, only this license, or another one contracted with the authors, grants you the right to use, distribute, and modify it. Therefore, by using, distributing, or modifying the FreeType Project, you indicate that you understand and accept all the terms of this license.

4. Contacts

There are two mailing lists related to FreeType:

o freetype@nongnu.org

   Discusses general use and applications of FreeType, as well as future and wanted additions to the library and distribution. If you are looking for support, start in this list if you haven't found anything to help you in the documentation.

o freetype-devel@nongnu.org

   Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc.

Our home page can be found at

   http://www.freetype.org

---
### GPL v2

```
 GNU GENERAL PUBLIC LICENSE
 Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
```
software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

--- fthash.c and fthash.h are covered by the following notices ---

/*
 * Copyright 2000 Computing Research Labs, New Mexico State University
 * Copyright 2001-2015
 * Francesco Zappa Nardelli
 * Permission is hereby granted, free of charge, to any person obtaining a
 * copy of this software and associated documentation files (the "Software"),
 * to deal in the Software without restriction, including without limitation
 * the rights to use, copy, modify, merge, publish, distribute, sublicense,
 * and/or sell copies of the Software, and to permit persons to whom the
 * Software is furnished to do so, subject to the following conditions:
 * The above copyright notice and this permission notice shall be included in
 * all copies or substantial portions of the Software.
 * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
 * IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
 * FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
 * THE COMPUTING RESEARCH LAB OR NEW MEXICO STATE UNIVERSITY BE LIABLE FOR ANY
 * CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT
 * OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR
 * THE USE OR OTHER DEALINGS IN THE SOFTWARE.
 */

/* This file is based on code from bdf.c,v 1.22 2000/03/16 20:08:50
 * taken from Mark Leisher's xmbdfd package
 */

This software, and all works of authorship, whether in source or object code form as indicated by the copyright notice(s) included herein (collectively, the "Work") is made available, and may only be used, modified, and distributed under the FreeType Project License, LICENSE.TXT. Additionally, subject to the terms and conditions of the FreeType Project License, each contributor to the Work hereby grants to any individual or legal entity exercising permissions granted by the FreeType Project License and this section (hereafter, "You" or "Your") a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such contributor that are necessarily infringed by their contribution(s) alone or by combination of their contribution(s) with the Work to which such contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

By using, modifying, or distributing the Work you indicate that you have read and understood the terms and conditions of the FreeType Project License as well as those provided in this section, and you accept them fully.

#########################################################################
```
## Apache Xalan v2.7.2
### Apache Xalan Notice
<pre>
==================================================================================
====
==  NOTICE file corresponding to the section 4d of the Apache License, Version 2.0, ==
==  in this case for the Apache Xalan distribution.                            ==
==================================================================================
====

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).
```
Specifically, we only include the XSLTC portion of the source from the Xalan distribution. The Xalan project has two processors: an interpretive one (Xalan Interpretive) and a compiled one (The XSLT Compiler (XSLTC)). We *only* use the XSLTC part of Xalan; We use the source from the packages that are part of the XSLTC sources.

Portions of this software was originally based on the following:

- voluntary contributions made by Ovidiu Predescu (ovidiu@cup.hp.com) on behalf of the Apache Software Foundation and was originally developed at Hewlett Packard Company.

</pre>

### Apache 2.0 License

<pre>
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason
END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

JLEX COPYRIGHT NOTICE, LICENSE AND DISCLAIMER.
Copyright 1996-2003 by Elliot Joel Berk and C. Scott Ananian
Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the name of the authors or their employers not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.
The authors and their employers disclaim all warranties with regard to this software, including all implied warranties of merchantability and fitness. In no event shall the authors or their employers be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortious action, arising out of or in connection with the use or performance of this software. The portions of JLex output which are hard-coded into the JLex source code are (naturally)
covered by this same license.

</pre>
## jopt-simple v5.0.4
### MIT License
<pre>
Copyright (c) 2004-2015 Paul R. Holser, Jr.

Permission is hereby granted, free of charge, to any person obtaining a copy of
this software and associated documentation files (the "Software"), to deal in the Software
without restriction, including without limitation the rights to use, copy, modify,
merge, publish, distribute, sublicense, and/or sell copies of the Software, and to
permit persons to whom the Software is furnished to do so, subject to the
following conditions:

The above copyright notice and this permission notice shall be included in all copies
or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED,
INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A
PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT
HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION
OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE
SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
</pre>
## DOM Level 3 Core Specification v1.0
### W3C License
<pre>
W3C SOFTWARE NOTICE AND LICENSE

http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This work (and included software, documentation such as READMEs, or other related
items) is being provided by the copyright holders under the following license. By
obtaining, using and/or copying this work, you (the licensee) agree that you have
read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its
documentation, with or without modification, for any purpose and without fee
or royalty is hereby granted, provided that you include the following on ALL
copies of the software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.

2. Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.

3. Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION. The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.

</pre>
COPYRIGHT NOTICE, DISCLAIMER, and LICENSE

==========================================

PNG Reference Library License version 2
* Copyright (c) 1995-2019 The PNG Reference Library Authors.
* Copyright (c) 2018-2019 Cosmin Truta.
* Copyright (c) 1996-1997 Andreas Dilger.
* Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

The software is supplied "as is", without warranty of any kind, express or implied, including, without limitation, the warranties of merchantability, fitness for a particular purpose, title, and non-infringement. In no event shall the Copyright owners, or anyone distributing the software, be liable for any damages or other liability, whether in contract, tort or otherwise, arising from, out of, or in connection with the software, or the use or other dealings in the software, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this software, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated, but is not required.

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

3. This Copyright notice may not be removed or altered from any source or altered source distribution.

PNG Reference Library License version 1 (for libpng 0.5 through 1.6.35)

libpng versions 1.0.7, July 1, 2000, through 1.6.35, July 15, 2018 are Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson, are derived from libpng-1.0.6, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals added to the list of Contributing Authors:

Simon-Pierre Cadieux
Eric S. Raymond
Mans Rullgard
Cosmin Truta
Gilles Vollant
and with the following additions to the disclaimer:

There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

Some files in the "contrib" directory and some configure-generated files that are distributed with libpng have other copyright owners, and are released under other open source licenses.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998-2000 Glenn Randers-Pehrson, are derived from libpng-0.96, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

   Tom Lane
   Glenn Randers-Pehrson
   Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are Copyright (c) 1996-1997 Andreas Dilger, are derived from libpng-0.88, and are distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors:

   John Bowler
   Kevin Bracey
   Sam Bushell
   Magnus Holmgren
   Greg Roelofs
   Tom Tanner

Some files in the "scripts" directory have other copyright owners, but are released under this license.

libpng versions 0.5, May 1995, through 0.88, January 1996, are Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors"
is defined as the following set of individuals:

Andreas Dilger  
Dave Martindale  
Guy Eric Schalnat  
Paul Schmidt  
Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this source code must not be misrepresented.

2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.

3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

The GNU General Public License (GPL)

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.  
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to
guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program
or work, and a "work based on the Program" means either the Program or any
derivative work under copyright law: that is to say, a work containing the
Program or a portion of it, either verbatim or with modifications and/or
translated into another language. (Hereinafter, translation is included
without limitation in the term "modification".) Each licensee is addressed as
"you".

Activities other than copying, distribution and modification are not covered by
this License; they are outside its scope. The act of running the Program is
not restricted, and the output from the Program is covered only if its contents
constitute a work based on the Program (independent of having been made by
running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as
you receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice and
disclaimer of warranty; keep intact all the notices that refer to this License
and to the absence of any warranty; and give any other recipients of the
Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may
at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus
forming a work based on the Program, and copy and distribute such modifications
or work under the terms of Section 1 above, provided that you also meet all of
these conditions:

a) You must cause the modified files to carry prominent notices stating
that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or
in part contains or is derived from the Program or any part thereof, to be
licensed as a whole at no charge to all third parties under the terms of
this License.

c) If the modified program normally reads commands interactively when run,
you must cause it, when started running for such interactive use in the
most ordinary way, to print or display an announcement including an
appropriate copyright notice and a notice that there is no warranty (or
else, saying that you provide a warranty) and that users may redistribute
the program under these conditions, and telling the user how to view a copy
of this License. (Exception: if the Program itself is interactive but does
not normally print such an announcement, your work based on the Program is
not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable
sections of that work are not derived from the Program, and can be reasonably
considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing to
distribute software through any other system and a licensee cannot impose that
choice.

This section is intended to make thoroughly clear what is believed to be a
consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain
countries either by patents or by copyrighted interfaces, the original
copyright holder who places the Program under this License may add an explicit
geographical distribution limitation excluding those countries, so that
distribution is permitted only in or among countries not thus excluded. In
such case, this License incorporates the limitation as if written in the body
of this License.

9. The Free Software Foundation may publish revised and/or new versions of the
General Public License from time to time. Such new versions will be similar in
spirit to the present version, but may differ in detail to address new problems
or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any later
version", you have the option of following the terms and conditions either of
that version or of any later version published by the Free Software Foundation.
If the Program does not specify a version number of this License, you may
choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs
whose distribution conditions are different, write to the author to ask for
permission. For software which is copyrighted by the Free Software Foundation,
write to the Free Software Foundation; we sometimes make exceptions for this.
Our decision will be guided by the two goals of preserving the free status of
all derivatives of our free software and of promoting the sharing and reuse of
software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR
THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE
STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE
PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND
PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE,
YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL
ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'. This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.
The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989

Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL

Certain source files distributed by Oracle America and/or its affiliates are subject to the following clarification and special exception to the GPL, but only where Oracle has expressly included in the particular source file's header the words "Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the LICENSE file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

## Dynalink v.5
### Dynalink License

Copyright (c) 2009-2013, Attila Szegedi

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of the copyright holder nor the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) %YEARS% Oracle and/or its affiliates. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

- Neither the name of Oracle nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS
IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

## JSZip v3.2.1

### MIT License

Copyright (c) 2009-2016 Stuart Knightley, David Duponchel, Franz Buchinger, Antnio Afonso

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

******************************************

The JSZip JavaScript Library v3.2.1 also includes pako

pako includes the following license:

(The MIT License)

Copyright (C) 2014-2017 by Vitaly Puzrin and Andrei Tuputcyn

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

**************************************************************************

Copyright (C) 1991-1998, Thomas G. Lane.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge’ Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-1998, Thomas G. Lane. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:
(1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.

(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".

(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that "The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

*****************************************************************************

```

```
### PC/SC Lite License

Copyright (c) 1999-2003 David Corcoran <corcoran@linuxnet.com>
Copyright (c) 2001-2011 Ludovic Rousseau <ludovic.rousseau@free.fr>
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

Changes to this license can be made only by the copyright author with explicit written consent.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote products
derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Some files are under GNU GPL v3 or any later version
- doc/example/pcsc_demo.c
- the files in src/spy/
- the files in UnitaryTests/

Copyright (C) 2003-2014 Ludovic Rousseau

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Files src/auth.c and src/auth.h are:
* Copyright (C) 2013 Red Hat
* All rights reserved.
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
*
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

* Author: Nikos Mavrogiannopoulos <nmav@redhat.com>

Files src/simclist.c and src/simclist.h are:

* Copyright (c) 2007, 2008, 2009, 2010, 2011 Mij <mij@bitchx.it>

* Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

* THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

## Little Color Management System (LCMS) v2.9

### LCMS License

Little Color Management System
Copyright (c) 1998-2011 Marti Maria Saguer

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

## Mozilla Elliptic Curve Cryptography (ECC)

### Mozilla ECC Notice

This notice is provided with respect to Elliptic Curve Cryptography, which is included with JRE, JDK, and OpenJDK.

You are receiving a [copy](http://hg.openjdk.java.net/jdk9/jdk9/jdk/file/tip/src/jdk.crypto.ec/share/native/libsunec/impl) of the Elliptic Curve Cryptography library in source form with the JDK and OpenJDK source distributions, and as object code in the JRE & JDK runtimes.

In the case of the JRE & JDK runtimes, the terms of the Oracle license do NOT apply to the Elliptic Curve Cryptography library; it is licensed under the following license, separately from Oracle's JDK & JRE. If you do not wish to install the Elliptic Curve Cryptography library, you may delete the Elliptic Curve Cryptography library:

- On Solaris and Linux systems: delete $(JAVA_HOME)/lib/libsunec.so
- On Mac OSX systems: delete $(JAVA_HOME)/lib/libsunec.dylib
- On Windows systems: delete $(JAVA_HOME)/bin/sunec.dll

### Written Offer for Source Code

For third party technology that you receive from Oracle in binary form which is licensed under an open source license that gives you the right to receive the source code for that binary, you can obtain a copy of the applicable source code from this page:

http://hg.openjdk.java.net/jdk9/jdk9/jdk/file/tip/src/jdk.crypto.ec/share/native/libsunec/impl

If the source code for the technology was not provided to you with the binary, you can also receive a copy of the source code on physical
media by submitting a written request to:

Oracle America, Inc.
Attn: Associate General Counsel,
Development and Engineering Legal
500 Oracle Parkway, 10th Floor
Redwood Shores, CA 94065

Or, you may send an email to Oracle using the form at:

http://www.oracle.com/goto/opensourcecode/request

Your request should include:

- The name of the component or binary file(s) for which you are requesting the source code
- The name and version number of the Oracle product containing the binary
- The date you received the Oracle product
- Your name
- Your company name (if applicable)
- Your return mailing address and email and
- A telephone number in the event we need to reach you.

We may charge you a fee to cover the cost of physical media and processing.
Your request must be sent (i) within three (3) years of the date you received the Oracle product that included the component or binary file(s) that are the subject of your request, or (ii) in the case of code licensed under the GPL v3, for as long as Oracle offers spare parts or customer support for that product model.

</pre>

### LGPL 2.1

<pre>

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

---

Open Source Used In CSPC_Collector 2.9.1 9352
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be
introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user’s freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the
users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License: they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.> Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.
Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

</pre>
# This file contains a list of people who've made non-trivial
# contribution to the Google C++ Mocking Framework project. People
# who commit code to the project are encouraged to add their names
# here. Please keep the list sorted by first names.

Benoit Sigoure <tsuna@google.com>
Bogdan Piloca <boo@google.com>
Chandler Carruth <chandlerc@google.com>
Dave MacLachlan <dmaclach@gmail.com>
David Anderson <danderson@google.com>
Dean Sturtevant
Gene Volovich <gv@cite.com>
Hal Burch <gmock@hburch.com>
Jeffrey Yasskin <jyasskin@google.com>
Jim Keller <jimkeller@google.com>
Joe Walnes <joe@truemesh.com>
Jon Wray <jwray@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith-ray@gmail.com>
Kostya Serebryany <kcc@google.com>
Lev Makhlis
Manuel Klimek <klimek@google.com>
Mario Tanev <radix@gmail.com>
Mark Paskin
Markus Heule <markus.heule@gmail.com>
Matthew Simmons <simmonmt@acm.org>
Mike Bland <mbland@google.com>
Neal Norwitz <nnorwitz@gmail.com>
Nermin Ozkiranartli <nermin@google.com>
Owen Carlsen <ocarlsen@google.com>
Paneendra Ba <paneendra@google.com>
Paul Menage <menage@google.com>
Piotr Kaminski <piotrk@google.com>
Russ Rufer <russ@pentad.com>
Sverre Sundsdal <sundsdal@gmail.com>
Takeshi Yoshino <tyoshino@google.com>
Vadim Berman <vadimb@google.com>
Vlad Losev <vladl@google.com>
Wolfgang Klier <wklier@google.com>
Zhanyong Wan <wan@google.com>

## xwd v1.0.7

### xwd utility

This is the copyright for the files in src/java.desktop/unix/native/libawt_xawt:
list.h, multiVis.h, wsutils.h, list.c, multiVis.c

Copyright 1994 Hewlett-Packard Co.
Copyright 1996, 1998 The Open Group

Permission to use, copy, modify, distribute, and sell this software and its
documentation for any purpose is hereby granted without fee, provided that
the above copyright notice appear in all copies and that both that
copyright notice and this permission notice appear in supporting
documentation.

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR
OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE,
ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR
DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of The Open Group shall
not be used in advertising or otherwise to promote the sale, use or
other dealings in this Software without prior written authorization
from The Open Group.

</pre>

### zlib v1.2.11

#### zlib License

Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler
This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

## Apache Xerces v2.12.0

### Apache Xerces Notice

Apache Xerces Java
Copyright 1999-2018 The Apache Software Foundation
This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Portions of this software were originally based on the following:
- voluntary contributions made by Paul Eng on behalf of the
  Apache Software Foundation that were originally developed at iClick, Inc.,
  software copyright (c) 1999.

### Apache 2.0 License

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

</pre>

## CUP Parser Generator for Java v 0.11b

### CUP Parser Generator License
<pre>
Copyright 1996-2015 by Scott Hudson, Frank Flannery, C. Scott Ananian, Michael Petter

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the names of the authors or their employers not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

The authors and their employers disclaim all warranties with regard to this software, including all implied warranties of merchantability and fitness. In no event shall the authors or their employers be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortious action, arising out of or in connection with the use or performance of this software.
</pre>

This is the copyright file

### Harfbuzz v2.3.1

### Harfbuzz License

http://cgit.freedesktop.org/harfbuzz/tree/COPYING

HarfBuzz is licensed under the so-called "Old MIT" license. Details follow. For parts of HarfBuzz that are licensed under different licenses see individual files names COPYING in subdirectories where applicable.

Copyright 2012 Mozilla Foundation
Copyright 2011 Codethink Limited
Copyright 2008,2010 Nokia Corporation and/or its subsidiary(-ies)
Copyright 2009 Keith Stribley
Copyright 2009 Martin Hosken and SIL International
Copyright 2007 Chris Wilson
Copyright 2006 Behdad Esfahbod
Copyright 2005 David Turner
Copyright 1998-2004 David Turner and Werner Lemberg

For full copyright notices consult the individual files in the package.

Permission is hereby granted, without written agreement and without license or royalty fees, to use, copy, modify, and distribute this software and its documentation for any purpose, provided that the above copyright notice and the following two paragraphs appear in all copies of this software.

IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE COPYRIGHT HOLDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE COPYRIGHT HOLDER SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE COPYRIGHT HOLDER HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

All source code, except for one section, is licensed as above. The one exception is licensed with a slightly different MIT variant:
The contents of this directory are licensed under the following terms:

Copyright (C) 2012 Grigori Goronzy <greg@kinoho.net>

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
Copyright 2008, Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

### JLine v3.12.1

```

### JLine License

Copyright (c) 2002-2018, the original author or authors.
All rights reserved.

https://opensource.org/licenses/BSD-3-Clause

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer
```
in the documentation and/or other materials provided with
the distribution.

Neither the name of JLine nor the names of its contributors
may be used to endorse or promote products derived from this
software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING,
BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO
EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY,
OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED
AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING
IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
OF THE POSSIBILITY OF SUCH DAMAGE.

</pre>

All images in this directory are copyright 1995 by Jeff Dinkins.
Unauthorized reproduction is prohibited.

For more information about Jeff's photographs, please see:
  http://www.theFixx.org/Jeff
jpackage test license file (just some sample text).
## Thai Dictionary
### Thai Dictionary License
<pre>
Copyright (C) 1982 The Royal Institute, Thai Royal Government.

Copyright (C) 1998 National Electronics and Computer Technology Center,
National Science and Technology Development Agency,
Ministry of Science Technology and Environment,
Thai Royal Government.

Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/

Files: *
Copyright: APPLICATION_COPYRIGHT
License: APPLICATION_LICENSE_TEXT

# This file contains a list of people who've made non-trivial
# contribution to the Google C++ Testing Framework project. People
# who commit code to the project are encouraged to add their names
# here. Please keep the list sorted by first names.

Ajay Joshi <jaj@google.com>
Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
Dan Egnor <egnor@google.com>
Eric Roman <eroman@chromium.org>
Hady Zalek <hady.zalek@gmail.com>
Jeffrey Yasskin <jyasskin@gmail.com>
Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith.ray@gmail.com>
Kenton Varda <kenton@google.com>
Manuel Klimek <klimek@google.com>
Markus Heule <markus.heule@gmail.com>
Mika Raento <mikie@iki.fi>
Mikls Fazekas <mfazekas@szemafor.com>
Pasi Valminen <pasi.valminen@gmail.com>
Patrick Hanna <phanna@gmail.com>
Patrick Riley <spr@google.com>
Peter Kaminski <piotrk@google.com>
Preston Jackson <preston.a.jackson@gmail.com>
Rainer Klaffenboeck <rainer.klaffenboeck@dynatrace.com>
Russ Cox <rsc@google.com>
Russ Rufer <russ@pentad.com>
Certain files distributed by Oracle America, Inc. and/or its affiliates are subject to the following clarification and special exception to the GPLv2, based on the GNU Project exception for its Classpath libraries, known as the GNU Classpath Exception.

Note that Oracle includes multiple, independent programs in this software package. Some of those programs are provided under licenses deemed incompatible with the GPLv2 by the Free Software Foundation and others. For example, the package includes programs licensed under the Apache License, Version 2.0 and may include FreeType. Such programs are licensed to you under their original licenses.

Oracle facilitates your further distribution of this package by adding the Classpath Exception to the necessary parts of its GPLv2 code, which permits you to use that code in combination with other independent modules not licensed under the GPLv2. However, note that this would not permit you to commingle code under an incompatible license with Oracle's GPLv2 licensed code by, for example, cutting and pasting such code into a file also containing Oracle's GPLv2 licensed code and then distributing the result.

Additionally, if you were to remove the Classpath Exception from any of the files to which it applies and distribute the result, you would likely be required to license some or all of the other code in that distribution under the GPLv2 as well, and since the GPLv2 is incompatible with the license terms of some items included in the distribution by Oracle, removing the Classpath Exception could therefore effectively compromise your ability to further distribute the package.

Failing to distribute notices associated with some files may also create unexpected legal consequences.

Proceed with caution and we recommend that you obtain the advice of a lawyer skilled in open source matters before removing the Classpath Exception or making modifications to this package which may subsequently be redistributed and/or involve the use of third party software.

## Apache Commons Byte Code Engineering Library (BCEL) Version 6.3.1

### Apache Commons BCEL Notice
This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

### Apache 2.0 License

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

**TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION**

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.
"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.
To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

</pre>

## Cryptix AES v3.2.0

### Cryptix General License

Copyright (c) 1995-2005 The Cryptix Foundation Limited.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

1. Redistributions of source code must retain the copyright notice,
   this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in
   the documentation and/or other materials provided with the
distribution.

THIS SOFTWARE IS PROVIDED BY THE CRYPTIX FOUNDATION LIMITED AND
CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE CRYPTIX FOUNDATION LIMITED OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

</pre>

### Mesa License

Copyright (C) 1999-2007 Brian Paul  All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Attention, Contributors

When contributing to the Mesa project you must agree to the licensing terms of the component to which you're contributing. The following section lists the primary components of the Mesa distribution and their respective licenses.

Mesa Component Licenses
<table>
<thead>
<tr>
<th>Component</th>
<th>Location</th>
<th>License</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Mesa code</td>
<td>src/mesa/</td>
<td>MIT</td>
</tr>
<tr>
<td>Device drivers</td>
<td>src/mesa/drivers/*</td>
<td>MIT, generally</td>
</tr>
<tr>
<td>Gallium code</td>
<td>src/gallium/</td>
<td>MIT</td>
</tr>
<tr>
<td>Ext headers</td>
<td>GL/glext.h</td>
<td>Khronos</td>
</tr>
<tr>
<td></td>
<td>GL/glxext.h</td>
<td>Khronos</td>
</tr>
<tr>
<td></td>
<td>GL/wglext.h</td>
<td>Khronos</td>
</tr>
<tr>
<td></td>
<td>KHR/khrplatform.h</td>
<td>Khronos</td>
</tr>
</tbody>
</table>

---

class/Makefile :  

Mesa 3-D graphics library

Copyright (C) 1999-2006  Brian Paul  All Rights Reserved.
Copyright (C) 2009  VMware, Inc.  All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.  IN NO EVENT SHALL
THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR
OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE,
 ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR
OTHER DEALINGS IN THE SOFTWARE.

---

class/GL/glext.h  
class/GL/glxext.h  
class/GL/wglext.h :
Copyright (c) 2013 - 2018 The Khronos Group Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials.

THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS.

******************************************************************************

----

include/KHR/khrplatform.h :

Copyright (c) 2008 - 2018 The Khronos Group Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or associated documentation files (the "Materials"), to deal in the Materials without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Materials, and to permit persons to whom the Materials are furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Materials.

THE MATERIALS ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR OTHER DEALINGS IN THE MATERIALS.
## Apache Santuario v2.1.4

### Apache Santuario Notice

```
Apache Santuario - XML Security for Java
Copyright 1999-2019 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

It was originally based on software copyright (c) 2001, Institute for

The development of this software was partly funded by the European
Commission in the <WebSig> project in the ISIS Programme.
```

### Apache 2.0 License

```
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
```
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

</pre>

### JRuby Joni v2.1.16

### MIT License

Copyright (c) 2017 JRuby Team

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

All images in this directory are copyright 1995 by Jeff Dinkins.

### GIFLIB License

The GIFLIB distribution is Copyright (c) 1997  Eric S. Raymond

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

https://sourceforge.net/p/giflib/code/ci/master/tree/openbsd-reallocarray.c

Copyright (c) 2008 Otto Moerbeek <otto@drijf.net>
SPDX-License-Identifier: MIT

## libpng v1.6.37
COPYRIGHT NOTICE, DISCLAIMER, and LICENSE

PNG Reference Library License version 2

---

* Copyright (c) 1995-2019 The PNG Reference Library Authors.
* Copyright (c) 2018-2019 Cosmin Truta.
* Copyright (c) 1996-1997 Andreas Dilger.
* Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

The software is supplied "as is", without warranty of any kind, express or implied, including, without limitation, the warranties of merchantability, fitness for a particular purpose, title, and non-infringement. In no event shall the Copyright owners, or anyone distributing the software, be liable for any damages or other liability, whether in contract, tort or otherwise, arising from, out of, or in connection with the software, or the use or other dealings in the software, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this software, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated, but is not required.

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

3. This Copyright notice may not be removed or altered from any source or altered source distribution.

PNG Reference Library License version 1 (for libpng 0.5 through 1.6.35)

---

libpng versions 1.0.7, July 1, 2000, through 1.6.35, July 15, 2018 are Copyright (c) 2000-2002, 2004, 2006-2018 Glenn Randers-Pehrson, are derived from libpng-1.0.6, and are distributed according to the same disclaimer and license as libpng-1.0.6 with the following individuals
added to the list of Contributing Authors:

Simon-Pierre Cadieux
Eric S. Raymond
Mans Rullgard
Cosmin Truta
Gilles Vollant
James Yu
Mandar Sahasrabuddhe
Google Inc.
Vadim Barkov

and with the following additions to the disclaimer:

There is no warranty against interference with your enjoyment of the library or against infringement. There is no warranty that our efforts or the library will fulfill any of your particular purposes or needs. This library is provided with all faults, and the entire risk of satisfactory quality, performance, accuracy, and effort is with the user.

Some files in the "contrib" directory and some configure-generated files that are distributed with libpng have other copyright owners, and are released under other open source licenses.

libpng versions 0.97, January 1998, through 1.0.6, March 20, 2000, are Copyright (c) 1998-2000 Glenn Randers-Pehrson, are derived from libpng-0.96, and are distributed according to the same disclaimer and license as libpng-0.96, with the following individuals added to the list of Contributing Authors:

    Tom Lane
    Glenn Randers-Pehrson
    Willem van Schaik

libpng versions 0.89, June 1996, through 0.96, May 1997, are Copyright (c) 1996-1997 Andreas Dilger, are derived from libpng-0.88, and are distributed according to the same disclaimer and license as libpng-0.88, with the following individuals added to the list of Contributing Authors:

    John Bowler
    Kevin Bracey
    Sam Bushell
    Magnus Holmgren
    Greg Roelofs
    Tom Tanner
Some files in the "scripts" directory have other copyright owners, but are released under this license.

libpng versions 0.5, May 1995, through 0.88, January 1996, are Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.

For the purposes of this copyright and license, "Contributing Authors" is defined as the following set of individuals:

Andreas Dilger
Dave Martindale
Guy Eric Schalnat
Paul Schmidt
Tim Wegner

The PNG Reference Library is supplied "AS IS". The Contributing Authors and Group 42, Inc. disclaim all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose. The Contributing Authors and Group 42, Inc. assume no liability for direct, indirect, incidental, special, exemplary, or consequential damages, which may result from the use of the PNG Reference Library, even if advised of the possibility of such damage.

Permission is hereby granted to use, copy, modify, and distribute this source code, or portions hereof, for any purpose, without fee, subject to the following restrictions:

1. The origin of this source code must not be misrepresented.

2. Altered versions must be plainly marked as such and must not be misrepresented as being the original source.

3. This Copyright notice may not be removed or altered from any source or altered source distribution.

The Contributing Authors and Group 42, Inc. specifically permit, without fee, and encourage the use of this source code as a component to supporting the PNG file format in commercial products. If you use this source code in a product, acknowledgment is not required but would be appreciated.

```
Copyright JS Foundation and other contributors, https://js.foundation/

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

************************************************

The jQuery JavaScript Library v3.4.1 also includes Sizzle.js

Sizzle.js includes the following license:

Copyright JS Foundation and other contributors, https://js.foundation/

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at https://github.com/jquery/sizzle

The following license applies to all parts of this software except as documented below:

=====

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

====

All files located in the node_modules and external directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

********************

```
## The Unicode Standard, Unicode Character Database, Version 12.1.0

### Unicode Character Database

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

See Terms of Use for definitions of Unicode Inc.’s Data Files and Software.

NOTICE TO USER: Carefully read the following legal agreement.
BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.’S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT.
IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright 1991-2019 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in https://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of
the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either
(a) this copyright and permission notice appear with all copies of the Data Files or Software, or
(b) this copyright and permission notice appear in associated Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

```---
## jQuery UI v1.12.1
### jQuery UI License
```---

Copyright jQuery Foundation and other contributors, https://jquery.org/

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at https://github.com/jquery/jquery-ui

The following license applies to all parts of this software except as documented below:

```===
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

=====

Copyright and related rights for sample code are waived via CC0. Sample code is defined as all source code contained within the demos directory.

CC0: http://creativecommons.org/publicdomain/zero/1.0/

=====

All files located in the node_modules and external directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

```
Copyright (c) %YEARS% Oracle and/or its affiliates. All rights reserved.
DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS FILE HEADER.

This code is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License version 2 only, as published by the Free Software Foundation.

This code is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License version 2 for more details (a copy is included in the LICENSE file that accompanied this code).

You should have received a copy of the GNU General Public License version 2 along with this work; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA.

Please contact Oracle, 500 Oracle Parkway, Redwood Shores, CA 94065 USA or visit www.oracle.com if you need additional information or have any questions.
```

### Unicode Common Local Data Repository (CLDR) v36

#### CLDR License
UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

See Terms of Use for definitions of Unicode Inc.’s
Data Files and Software.

NOTICE TO USER: Carefully read the following legal agreement.
BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.’S
DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"),
YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE
TERMS AND CONDITIONS OF THIS AGREEMENT.
IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE
THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright 1991-2019 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in https://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining
a copy of the Unicode data files and any associated documentation
(the "Data Files") or Unicode software and any associated documentation
(the "Software") to deal in the Data Files or Software
without restriction, including without limitation the rights to use,
copy, modify, merge, publish, distribute, and/or sell copies of
the Data Files or Software, and to permit persons to whom the Data Files
or Software are furnished to do so, provided that either
(a) this copyright and permission notice appear with all copies
of the Data Files or Software, or
(b) this copyright and permission notice appear in associated
Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF
ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS
NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL
DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder
shall not be used in advertising or otherwise to promote the sale,
use or other dealings in these Data Files or Software without prior
written authorization of the copyright holder.

---

UNICODE, INC. LICENSE AGREEMENT - DATA FILES AND SOFTWARE

See Terms of Use for definitions of Unicode Inc.’s Data Files and Software.

NOTICE TO USER: Carefully read the following legal agreement.
BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.’S DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"), YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT.
IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright 1991-2019 Unicode, Inc. All rights reserved.
Distributed under the Terms of Use in https://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software") to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data Files or Software are furnished to do so, provided that either (a) this copyright and permission notice appear with all copies of the Data Files or Software, or (b) this copyright and permission notice appear in associated Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior
written authorization of the copyright holder.

1.867 mailcap 2.1.48 3.el8

1.867.1 Available under license:
Red Hat disclaims any copyright on the "mailcap" and "mime-types" files and places them in the public domain.
You are free to do whatever you wish with these files.

The mailcap.4 man page is under an MIT license:

Copyright (c) 1991 Bell Communications Research, Inc. (Bellcore)

Permission to use, copy, modify, and distribute this material for any purpose and without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Bellcore not be used in advertising or publicity pertaining to this material without the specific, prior written permission of an authorized representative of Bellcore.  BELLCORE MAKES NO REPRESENTATIONS ABOUT THE ACCURACY OR SUITABILITY OF THIS MATERIAL FOR ANY PURPOSE. IT IS PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES.

Tom Callaway, Fedora Legal, Red Hat
Thu Sep 17, 2009

1.868 rng-tools 6.6-2.el8

1.868.1 Available under license:
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

Copyright (C) 2017 - 2018, Stephan Mueller <smueller@chronox.de>

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, and the entire permission notice in its entirety,
   including the disclaimer of warranties.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. The name of the author may not be used to endorse or promote
   products derived from this software without specific prior
   written permission.

ALTERNATIVELY, this product may be distributed under the terms of
the GNU General Public License, in which case the provisions of the GPL2
are required INSTEAD OF the above restrictions. (This clause is
necessary due to a potential bad interaction between the GPL and
the restrictions contained in a BSD-style copyright.)

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF
WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
1.869 python-decorator 4.2.1 2.el8

1.869.1 Available under license:
Copyright (c) 2005-2017, Michele Simionato
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
Redistributions in bytecode form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.870 libxft 2.3.2-10.el8

1.870.1 Available under license:
Copyright 2001,2003 Keith Packard

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Keith Packard not be used in advertising or publicity pertaining to distribution of the software without
specific, written prior permission. Keith Packard makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

KEITH PACKARD DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL KEITH PACKARD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

1.871 elfutils 0.176 5.el8

1.871.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of
works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A “Major Component”, in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The “Corresponding Source” for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.
Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work’s users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

   a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

   b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.
If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the
terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or 
author attributions in that material or in the Appropriate Legal 
Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or 
requiring that modified versions of such material be marked in 
reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or 
authors of the material; or

e) Declining to grant rights under trademark law for use of some 
trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that 
material by anyone who conveys the material (or modified versions of 
it) with contractual assumptions of liability to the recipient, for 
any liability that these contractual assumptions directly impose on 
those licensors and authors.

All other non-permissive additional terms are considered “further 
restrictions” within the meaning of section 10. If the Program as you 
received it, or any part of it, contains a notice stating that it is 
governed by this License along with a term that is a further 
restriction, you may remove that term. If a license document contains 
a further restriction but permits relicensing or conveying under this 
License, you may add to a covered work material governed by the terms 
of that license document, provided that the further restriction does 
not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you 
must place, in the relevant source files, a statement of the 
additional terms that apply to those files, or a notice indicating 
where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the 
form of a separately written license, or stated as exceptions; 
the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly 
provided under this License. Any attempt otherwise to propagate or 
modify it is void, and will automatically terminate your rights under 
this License (including any patent licenses granted under the third 
paragraph of section 11).
However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.
You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work
in a country, would infringe one or more identifiable patents in that
country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or
arrangement, you convey, or propagate by procuring conveyance of, a
covered work, and grant a patent license to some of the parties
receiving the covered work authorizing them to use, propagate, modify
or convey a specific copy of the covered work, then the patent license
you grant is automatically extended to all recipients of the covered
work and works based on it.

A patent license is "discriminatory" if it does not include within
the scope of its coverage, prohibits the exercise of, or is
conditioned on the non-exercise of one or more of the rights that are
specifically granted under this License. You may not convey a covered
work if you are a party to an arrangement with a third party that is
in the business of distributing software, under which you make payment
to the third party based on the extent of your activity of conveying
the work, and under which the third party grants, to any of the
parties who would receive the covered work from you, a discriminatory
patent license (a) in connection with copies of the covered work
conveyed by you (or copies made from those copies), or (b) primarily
for and in connection with specific products or compilations that
contain the covered work, unless you entered into that arrangement,
or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting
any implied license or other defenses to infringement that may
otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot convey a
covered work so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you may
not convey it at all. For example, if you agree to terms that obligate you
to collect a royalty for further conveying from those to whom you convey
the Program, the only way you could satisfy both those terms and this
License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have
permission to link or combine any covered work with a work licensed
under version 3 of the GNU Affero General Public License into a single
combined work, and to convey the resulting work. The terms of this
License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.
b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application
Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

1.872 javax-transaction 1.2
1.872.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2013 Atteo.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *     http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1135901897_1613627750.64/0/jta-1-2-sources-1-jar/org/atteo/moonshine/jta/JtaService.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2012 Atteo.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *     http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1135901897_1613627750.64/0/jta-1-2-sources-1-jar/org/atteo/moonshine/jta/TransactionalFilter.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2011 Atteo.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
*    http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1135901897_1613627750.64/0/jta-1-2-sources-1-jar/org/atteo/moonshine/jta/TransactionalInterceptor.java
* /opt/cola/permits/1135901897_1613627750.64/0/jta-1-2-sources-1-jar/org/atteo/moonshine/jta/Transaction.java
* /opt/cola/permits/1135901897_1613627750.64/0/jta-1-2-sources-1-jar/org/atteo/moonshine/jta/Transactional.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2014 Atteo.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *    http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1135901897_1613627750.64/0/jta-1-2-sources-1-jar/org/atteo/moonshine/jta/OptimisticLockExceptionPolicy.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2011 Atteo.
 *
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except
 * in compliance with the License. You may obtain a copy of the License at
 *
 *    http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1135901897_1613627750.64/0/jta-1-2-sources-1-jar/org/atteo/moonshine/jta/OptimisticLockExceptionPolicy.java
No license file was found, but licenses were detected in source scan.
* Unless required by applicable law or agreed to in writing, software distributed under the License
* is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express
* or implied. See the License for the specific language governing permissions and limitations under
* the License.
*/

Found in path(s):
* /opt/cola/permits/1135901897_1613627750.64/0/jta-1-2-sources-1-jar/org/atteo/moonshine/jta/PoolOptions.java
* /opt/cola/permits/1135901897_1613627750.64/0/jta-1-2-sources-1-jar/org/atteo/moonshine/jta/JtaConnectionFactoryWrapper.java
* /opt/cola/permits/1135901897_1613627750.64/0/jta-1-2-sources-1-jar/org/atteo/moonshine/jta/TransactionalService.java
* /opt/cola/permits/1135901897_1613627750.64/0/jta-1-2-sources-1-jar/org/atteo/moonshine/jta/JtaDataSourceWrapper.java

1.873 firefox 60.9.0

1.873.1 Available under license :

Mozilla Public License
Version 2.0
1. Definitions
1.1. “Contributor”
means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. “Contributor Version”
means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor’s
Contribution.

1.3. “Contribution”
means Covered Software of a particular Contributor.

1.4. “Covered Software”
means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form
of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. “Incompatible With Secondary Licenses”
means
that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or

that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also
under the terms of a Secondary License.

1.6. “Executable Form”
means any form of the work other than Source Code Form.
1.7. “Larger Work” means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. “License” means this document.

1.9. “Licensable” means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. “Modifications” means any of the following:

any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

any new file in Source Code Form that contains any Covered Software.

1.11. “Patent Claims” of a Contributor means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. “Secondary License” means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. “Source Code Form” means the form of the work preferred for making modifications.

1.14. “You” (or “Your”) means an individual or a legal entity exercising rights under this License. For legal entities, “You” includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, “control” means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions

2.1. Grants Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.
2.2. Effective Date
The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope
The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

for any code that a Contributor has removed from Covered Software; or

for infringements caused by: (i) Your and any other third party’s modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses
No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation
Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use
This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions
Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form
All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients’ rights in the Source Code Form.

3.2. Distribution of Executable Form
If You distribute Covered Software in Executable Form then:

such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable
You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients’ rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work
You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices
You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms
You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation
If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination
5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under
Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

6. Disclaimer of Warranty
Covered Software is provided under this License on an “as is” basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.

7. Limitation of Liability
Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any character including, without limitation, damages for lost profits, loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party’s negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

8. Litigation
Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party’s ability to bring cross-claims or counter-claims.

9. Miscellaneous
This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License
10.1. New Versions
Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions
You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

Open Source Used In CSPC_Collector 2.9.1 9447
If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses
If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice
This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at https://mozilla.org/MPL/2.0/.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - “Incompatible With Secondary Licenses” Notice
This Source Code Form is “Incompatible With Secondary Licenses”, as defined by the Mozilla Public License, v. 2.0.

1.874 sudo 1.8.29 6.el8_3.1
1.874.1 Available under license:
Sudo is distributed under the following license:

Copyright (c) 1994-1996, 1998-2019
   Todd C. Miller <Todd.Miller@sudo.ws>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Sponsored in part by the Defense Advanced Research Projects Agency (DARPA) and Air Force Research Laboratory, Air Force Materiel Command, USAF, under agreement number F39502-99-1-0512.

The file redblack.c bears the following license:
Copyright (c) 2001 Emin Martinian

Redistribution and use in source and binary forms, with or without modification, are permitted provided that neither the name of Emin Martinian nor the names of any contributors are be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The file reallocarray.c bears the following license:

Copyright (c) 2008 Otto Moerbeek <otto@drijf.net>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The files getcwd.c, glob.c, glob.h, snprintf.c and sudo_queue.h bear the following license:

Copyright (c) 1989, 1990, 1991, 1993
The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors
may be used to endorse or promote products derived from this software
without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

The file fnmatch.c bears the following license:

Copyright (c) 2011, VMware, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:
  * Redistributions of source code must retain the above copyright
    notice, this list of conditions and the following disclaimer.
  * Redistributions in binary form must reproduce the above copyright
    notice, this list of conditions and the following disclaimer in the
    documentation and/or other materials provided with the distribution.
  * Neither the name of the VMware, Inc. nor the names of its contributors
    may be used to endorse or promote products derived from this software
    without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL VMware, Inc. OR CONTRIBUTORS BE LIABLE FOR
ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The file getopt_long.c bears the following license:

Copyright (c) 2000 The NetBSD Foundation, Inc.
All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Dieter Baron and Thomas Klausner.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The file inet_pton.c bears the following license:

Copyright (c) 1996 by Internet Software Consortium.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The file arc4random.c bears the following license:

Copyright (c) 1996, David Mazieres <dm@uun.org>
Copyright (c) 2008, Damien Miller <djm@openbsd.org>
Copyright (c) 2013, Markus Friedl <markus@openbsd.org>
Open Source Used in CSPC_Collector 2.9.1 9452

Copyright (c) 2014, Theo de Raadt <deraadt@openbsd.org>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The file arc4random_uniform.c bears the following license:

Copyright (c) 2008, Damien Miller <djm@openbsd.org>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The file getentropy.c bears the following license:

Copyright (c) 2014 Theo de Raadt <deraadt@openbsd.org>
Copyright (c) 2014 Bob Beck <beck@obtuse.com>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The embedded copy of zlib bears the following license:
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bos, Sander
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
The following people have worked to translate sudo into other languages as part of the Translation Project, see https://translationproject.org for more details.

Albuquerque, Pedro
Blttermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hantrais, Frédric
Hein, Jochen
Hufthammer, Karl Ove
Jerovek, Damir
Karvonen, Jorma
Kazik, Duan
Kelemen, Gbor
Keeci, Mehmet
Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Krznar, Tomislav
Marchal, Frédric
Margeviuus, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
Nylander, Daniel
Psa, Petr
Puente, Enol
1.875 net-tools 2.0 0.51.20160912git.el8

1.875.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

**GNU GENERAL PUBLIC LICENSE**

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.
1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

   These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

   Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

   The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

   If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.
12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

---

**1.876 httpclient 4.5.2**

**1.876.1 Available under license:**

Apache HttpClient

Copyright 1999-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
    Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
    stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
    that You distribute, all copyright, patent, trademark, and
    attribution notices from the Source form of the Work,
    excluding those notices that do not pertain to any part of
    the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.877 css-parser 0.9.24
1.877.1 Available under license:

No license file was found, but licenses were detected in source scan.

<name>Apache License, Version 2.0</name>
<url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>

Found in path(s):
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1-jar/META-INF/maven/net.sourceforge.cssparser/cssparser/cssparser/pom.xml

No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 1999-2017 David Schweinsberg.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1-jar/com/steadystate/css/parser/ParserUtils.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1-jar/com/steadystate/css/dom/CSSFontFaceRuleImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1-jar/com/steadystate/css/parser/selectors/ElementSelectorImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1-jar/com/steadystate/css/userdata/UserDataConstants.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1-jar/com/steadystate/css/parser/Locatable.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1-jar/com/steadystate/css/parser/AbstractSACParser.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1-jar/com/steadystate/css/parser/selectors/SubstringAttributeConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1-jar/com/steadystate/css/parser/selectors/DescendantSelectorImpl.java
jar/com/steadystate/css/format/CSSFormat.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/dom/CSSStyleSheetListImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/dom/CSSRuleListImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser/selectors/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser/selectors/ConditionalSelectorImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser/selectors/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser/selectors/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser/selectors/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permits/1117245112_1608154402.51/0/cssparser-0-9-24-sources-1.jar/com/steadystate/css/parser_SELECTORS/IdConditionImpl.java
* /opt/cola/permit...
1.878 shadow-utils 4.6 8.el8

1.878.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable
      source code, which must be distributed under the terms of Sections
      1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three
      years, to give any third party, for a charge no more than your
      cost of physically performing source distribution, a complete
      machine-readable copy of the corresponding source code, to be
      distributed under the terms of Sections 1 and 2 above on a medium
      customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer
      to distribute corresponding source code. (This alternative is
      allowed only for noncommercial distribution and only if you
      received the program in object code or executable form with such
      an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.
5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
HOW TO APPLY THESE TERMS TO YOUR NEW PROGRAMS

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

/*
 * Copyright (c) 1990 - 1994, Julianne Frances Haugh
 * Copyright (c) 1996 - 2000, Marek Michakiewicz
 * Copyright (c) 2000 - 2006, Tomasz Koczko
 * Copyright (c) 2007 - 2011, Nicolas Francois
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 * 3. The name of the copyright holders or contributors may not be used to
 *    endorse or promote products derived from this software without
 *    specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
 * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
 * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
 * PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
 * HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
 * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
 * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
 * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
 * OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/
NOTE:
This license has been obsoleted by the change to the BSD-style copyright.
You may continue to use this license if you wish, but you are under no
obligation to do so.

(*
This document is freely plagiarised from the ’Artistic Licence’,
distributed as part of the Perl v4.0 kit by Larry Wall, which is
available from most major archive sites. I stole it from CrackLib.

$Id$
*)

This document's purpose is to state the conditions under which this
Package (see definition below) viz: "Shadow", the Shadow Password Suite
which is held by Julianne Frances Haugh, may be copied, such that the
copyright holder maintains some semblance of artistic control over the
development of the package, while giving the users of the package the
right to use and distribute the Package in a more-or-less customary
fashion, plus the right to make reasonable modifications.

So there.

***************************************************************************
Definitions:

A "Package" refers to the collection of files distributed by the
Copyright Holder, and derivatives of that collection of files created
textually modified, or segments thereof.

"Standard Version" refers to such a Package if it has not been modified,
or has been modified in accordance with the wishes of the Copyright
Holder.

"Copyright Holder" is whoever is named in the copyright or copyrights
for the package.

"You” is you, if you're thinking about copying or distributing this
Package.

"Reasonable copying fee” is whatever you can justify on the basis of
media cost, duplication charges, time of people involved, and so on.
(You will not be required to justify it to the Copyright Holder, but
only to the computing community at large as a market that must bear the
fee.)
"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when AND WHY you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide separate documentation for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual
pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. YOU MAY NOT CHARGE A FEE FOR THIS PACKAGE ITSELF. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that YOU DO NOT ADVERTISE this package as a product of your own.

6. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

7. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is
implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

1.879 geronimoj2eemanagement 1.0.1

1.879.1 Available under license:

Apache Geronimo
Copyright 2003-2008 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.880 datatype 1.4.01

1.881 axis 1.4
1.881.1 Available under license :
   Apache License
   Version 2.0, January 2004
   http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties of MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

Copyright 2006 Envoi Solutions LLC

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
Common Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC
LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM
CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.
1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and
b) in the case of each subsequent Contributor:
i) changes to the Program, and
ii) additions to the Program;
where such changes and/or additions to the Program originate from and are distributed by that particular
Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself
or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are
separate modules of software distributed in conjunction with the Program under their own license agreement, and
(ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents " mean patent claims licensable by a Contributor which are necessarily infringed by the use or
sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide,
royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform,
distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and
object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide,
royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the
Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the
combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such
addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall
not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no
assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual
property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any
other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights
and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual
property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute
the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to
grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and
b) its license agreement:
   i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
   ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
   iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and
   iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and
b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or
offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN “AS IS” BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient’s patent(s), then such Recipient’s rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient’s rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient’s rights under this Agreement terminate, Recipient agrees to cease use and
distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

Acknowledgements:
backport-util-concurrent is based in large part on the public domain sources from:
   1) JSR166,
   2) package dl.util.concurrent,
   3) Doug Lea's "collections" package.

This software is released to the public domain ( http://creativecommons.org/licenses/publicdomain ) in the spirit of the original code written by Doug Lea. The code can be used for any purpose, modified, and redistributed without acknowledgment. No warranty is provided, either express or implied.

Following is a copy of http://creativecommons.org/licenses/publicdomain

Creative Commons Public Domain
Copyright-Only Dedication (based on United States law) or Public Domain Certification

The person or persons who have associated work with this document (the "Dedicator" or "Certifier") hereby either (a) certifies that, to the best of his knowledge, the work of authorship identified is in the public domain of the country from which the work is published, or (b) hereby dedicates whatever copyright the dedicatores holds in the work of authorship identified below (the "Work") to the public domain. A certifier, moreover, dedicates any copyright interest he may have in the associated work, and for these purposes, is described as a "dedicator"
A certifier has taken reasonable steps to verify the copyright status of this work. Certifier recognizes that his good faith efforts may not shield him from liability if in fact the work certified is not in the public domain.

Dedicator makes this dedication for the benefit of the public at large and to the detriment of the Dedicator's heirs and successors. Dedicator intends this dedication to be an overt act of relinquishment in perpetuity of all present and future rights under copyright law, whether vested or contingent, in the Work. Dedicator understands that such relinquishment of all rights includes the relinquishment of all rights to enforce (by lawsuit or otherwise) those copyrights in the Work.

Dedicator recognizes that, once placed in the public domain, the Work may be freely reproduced, distributed, transmitted, used, modified, built upon, or otherwise exploited by anyone for any purpose, commercial or non-commercial, and in any way, including by methods that have not yet been invented or conceived.

=========================================================================  == NOTICE file corresponding to the section 4 d of ==  == the Apache License, Version 2.0, ==  == in this case for the Apache Axis2 distribution. ==  ==========================================================

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).
Portions Copyright 2006 International Business Machines Corp.
Portions Copyright 2005-2007 WSO2, Inc.

This product also includes schemas and specification developed by:
- the W3C consortium (http://www.w3c.org)

This product also includes WS-* schemas developed by International
Business Machines Corporation, Microsoft Corporation, BEA Systems,
TIBCO Software, SAP AG, Sonic Software, and VeriSign

This product also includes a WSDL developed by salesforce.com
- Copyright 1999-2006 salesforce.com, inc.

Portions of the included xmlbeans library were originally based on the following:

Please read the different LICENSE files present in the lib directory of this distribution.

Apache License
Version 2.0, January 2004
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and
(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

<?xml version="1.0" encoding="iso-8859-1" ?>

<!-- $Id$ -->

<title>The Jalopy BSD License</title>

<indexterm><primary>Software License</primary></indexterm>
<indexterm><primary>Licenses</primary><secondary>BSD</secondary></indexterm>

<para>
Copyright (c) 2001-2004, Marco Hunsicker. All rights reserved.
</para>

<para>
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
</para>

<itemizedlist>
<listitem>
<para>
Redistributions of source code must retain the above copyright notice, this list of conditions and the following
disclaimer.
</para>
</listitem>

<listitem>
<para>
Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials provided with the distribution.
</para>
</listitem>

<listitem>
<para>
Neither the name of the Jalopy Group nor the names of its contributors may be used to endorse or promote products
derived from this software without specific prior written permission.
</para>
</listitem>

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable means the Covered Software in any form other than Source Code.

1.5. Initial Developer means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License means this document.

1.8. Licensable means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software means the Source Code and Executable form of computer software code that is originally
1.11. Patent Claims means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You (or Your) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, You includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, control means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.
Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:
(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and
(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).
(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.
(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.
Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:
(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and
(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).
(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.
(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications.
made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipients rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.


You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.
4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN AS IS BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if
within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item, as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and commercial computer software documentation as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdictions conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.
10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)
The GlassFish code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

/*
Std: LICENSE.txt,v 1.5 2006/02/05 21:49:04 elharo Exp $

Copyright 2003-2006 The Werken Company. All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Jaxen Project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

*/

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0
1. Definitions.

1.1. "Contributor" means each individual or entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. "Covered Software" means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. "Executable" means the Covered Software in any form other than Source Code.

1.5. "Initial Developer" means the individual or entity that first makes Original Software available under this License.

1.6. "Larger Work" means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. "License" means this document.

1.8. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means the Source Code and Executable form of any of the following:

   A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

   B. Any new file that contains any part of the Original Software or previous Modification; or

   C. Any new file that is contributed or otherwise made available under the terms of this License.
1.10. "Original Software" means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. "Source Code" means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first
distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the
combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on
behalf of the Initial Developer or any Contributor. You
must make it absolutely clear that any such warranty,
support, indemnity or liability obligation is offered by
You alone, and You hereby agree to indemnify the Initial
Developer and every Contributor for any liability incurred
by the Initial Developer or such Contributor as a result of
warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered
Software under the terms of this License or under the terms
of a license of Your choice, which may contain terms
different from this License, provided that You are in
compliance with the terms of this License and that the
license for the Executable form does not attempt to limit
or alter the recipients rights in the Source Code form
from the rights set forth in this License. If You
distribute the Covered Software in Executable form under a
different license, You must make it absolutely clear that
any terms which differ from this License are offered by You
alone, not by the Initial Developer or Contributor. You
hereby agree to indemnify the Initial Developer and every
Contributor for any liability incurred by the Initial
Developer or such Contributor as a result of any such terms
You offer.


You may create a Larger Work by combining Covered Software
with other code not governed by the terms of this License
and distribute the Larger Work as a single product. In such
a case, You must make sure the requirements of this License
are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Sun Microsystems, Inc. is the initial license steward and
may publish revised and/or new versions of this License
from time to time. Each version will be given a
distinguishing version number. Except as provided in
Section 4.3, no one other than the license steward has the
right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of
this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as "Participant") alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.
The Covered Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdictions conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

Copyright (c) 2003-2007, Dennis M. Sosnoski
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of JiBX nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.882 http2-common 9.4.11.v20180605

1.883 perl-term-ansicolor 4.06 396.el8

1.883.1 Available under license:

Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Comment: This file documents the copyright statements and licenses for every file in this package in a machine-readable format. For a less detailed, higher-level overview, see README.

For any copyright year range specified as YYYY-ZZZZ in this file, the
range specifies every single year in that closed interval.

Files: *
Copyright: 1996 Zenin
1996-2002, 2005-2006, 2008-2016 Russ Allbery <rra@cpan.org>
2011 Revilo Reegiles
2012 Kurt Starsinic <kstarsinic@gmail.com>
2012 Stephen Thirlwall
License: Perl
This program is free software; you may redistribute it and/or modify it
under the same terms as Perl itself. This means that you may choose
between the two licenses that Perl is released under: the GNU GPL and the
Artistic License. Please see your Perl distribution for the details and
copies of the licenses.

Files: t/data/perlcriticrc t/docs/pod-coverage.t t/docs/pod-spelling.t
t/docs/pod.t t/docs/synopsis.t t/docs/urls.t t/lib/Test/RRA.pm
t/lib/Test/RRA/Config.pm t/style/coverage.t t/style/critic.t
t/style/minimum-version.t t/style/strict.t
Copyright: 2011-2014
The Board of Trustees of the Leland Stanford Junior University
2015-2016 Russ Allbery <eagle@eyrie.org>
License: Expat
Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the
"Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to permit
persons to whom the Software is furnished to do so, subject to the
following conditions:

The above copyright notice and this permission notice shall be included
in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS
OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT
OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR
THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.884 activemq-pool 5.16.1
1.884.1 Available under license:

ActiveMQ :: Pool
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.885 open-vm-tools 11.1.0 2.el8

1.885.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.
When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".
A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

**GNU GENERAL PUBLIC LICENSE**

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.
This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

  Gnomovision version 69, Copyright (C) year name of author
  Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
  This is free software, and you are welcome to redistribute it
  under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

  Yoyodyne, Inc., hereby disclaims all copyright interest in the program
  `Gnomovision' (which makes passes at compilers) written by James Hacker.

  <signature of Ty Coon>, 1 April 1989
  Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.
LICENSE

Open-vm-tools v10.3.0

The Linux kernel modules are released under the GPL v2, a majority of the user level components are released under the LGPL v2.1, and the SVGA and mouse drivers are released under the X11 license.

Copyright 2007-2018 VMware, Inc. All rights reserved.

=========================================================================  
GNU GENERAL PUBLIC LICENSE  
Version 2, June 1991  

Copyright (C) 1989, 1991 Free Software Foundation, Inc.  
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA  

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering
equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

=========

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over
competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users’ freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
   a) The modified work must itself be a software library.
   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above
on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING...
RNDFERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

=========

X11 License

Copyright (c) <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

=========

Open-vm-tools v10.3.0 includes a number of subcomponents with separate copyright notices and license terms. Your use of the source code for these subcomponents is subject to the terms and conditions of the following licenses.

SECTION 1: BSD-STYLE, MIT-STYLE, OR SIMILAR STYLE LICENSES

```bash
>>> freebsd-base64-4.8
>>> unicode-5.0
```

-------------------- SECTION 1: BSD-STYLE, MIT-STYLE, OR SIMILAR STYLE LICENSES --------------------

BSD-STYLE, MIT-STYLE, OR SIMILAR STYLE LICENSES are applicable to the following component(s).

```bash
>>> freebsd-base64-4.8
```

base64.c -- routines to encode/decode base64 data
Copyright 1998-2006 The OpenLDAP Foundation.
Portions Copyright 1995 IBM Corporation.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted only as authorized by the OpenLDAP
Public License.

A copy of this license is available in the file LICENSE in the
top-level directory of the distribution or, alternatively, at
The OpenLDAP Public License
Version 2.8, 17 August 2003

Redistribution and use of this software and associated documentation
("Software"), with or without modification, are permitted provided
that the following conditions are met:

1. Redistributions in source form must retain copyright statements
and notices,

2. Redistributions in binary form must reproduce applicable copyright
statements and notices, this list of conditions, and the following
disclaimer in the documentation and/or other materials provided
with the distribution, and

3. Redistributions must contain a verbatim copy of this document.

The OpenLDAP Foundation may revise this license from time to time.
Each revision is distinguished by a version number. You may use
this Software under terms of this license revision or under the
terms of any subsequent revision of the license.

THIS SOFTWARE IS PROVIDED BY THE OPENLDAP FOUNDATION AND ITS
CONTRIBUTORS "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT
SHALL THE OPENLDAP FOUNDATION, ITS CONTRIBUTORS, OR THE AUTHOR(S)
OR OWNER(S) OF THE SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING,
BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN
ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

The names of the authors and copyright holders must not be used in
advertising or otherwise to promote the sale, use or other dealing
in this Software without specific, written prior permission. Title
to copyright in this Software shall at all times remain with copyright
holders.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Copyright 1999-2003 The OpenLDAP Foundation, Redwood City,
California, USA. All Rights Reserved. Permission to copy and
distribute verbatim copies of this document is granted.

ADDITIONAL LICENSE INFORMATION:

Portions Copyright (c) 1996, 1998 by Internet Software Consortium.

Permission to use, copy, modify, and distribute this software for any
purpose with or without fee is hereby granted, provided that the above
copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS
ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE
CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL
DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR
PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS
ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS
SOFTWARE.

This work is based upon Base64 routines (developed by IBM) found
Berkeley Internet Name Daemon (BIND) as distributed by ISC. They
were adapted for inclusion in OpenLDAP Software by Kurt D. Zeilenga.

>>> unicode-5.0

Copyright (c) 2008 VMware, Inc. All rights reserved.

Copyright (c) 1991-2007 Unicode, Inc. All rights reserved. Distributed under the Terms of Use in
http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining a copy of the Unicode data files and any
associated documentation (the "Data Files") or Unicode software and any associated documentation (the "Software")
to deal in the Data Files or Software without restriction, including without limitation the rights to use, copy, modify,
merge, publish, distribute, and/or sell copies of the Data Files or Software, and to permit persons to whom the Data
Files or Software are furnished to do so, provided that (a) the above copyright notice(s) and this permission notice appear with all copies of the Data Files or Software, (b) both the above copyright notice(s) and this permission notice appear in associated documentation, and (c) there is clear notice in each modified Data File or in the Software as well as in the documentation associated with the Data File(s) or Software that the data or software has been modified.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in these Data Files or Software without prior written authorization of the copyright holder.

[OPENVMTOOLS1030GANV061518]

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. "Contributor" means each individual or entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. "Covered Software" means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. "Executable" means the Covered Software in any form other than Source Code.

1.5. "Initial Developer" means the individual or entity that first makes Original Software available under this License.

1.6. "Larger Work" means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. "License" means this document.
1.8. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means the Source Code and Executable form of any of the following:

   A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

   B. Any new file that contains any part of the Original Software or previous Modifications; or

   C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. "Original Software" means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. "Source Code" means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and
subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of:
(1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices
contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients’ rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.


You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.
6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as "Participant") alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.
8. U.S. GOVERNMENT END USERS.

The Covered Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS \"AS IS\" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.886.1 Available under license:

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS DOCUMENT DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN \"AS-IS\" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER.

Statement of Purpose

The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work").

Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a commons of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon, modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further production of creative, cultural and scientific works, or to gain reputation or greater distribution for their Work in part through the use and efforts of others.

For these and/or other purposes and motivations, and without any expectation of additional consideration or
compensation, the person associating CC0 with a Work (the "Affirmer"), to the extent that he or she is an owner of Copyright and Related Rights in the Work, voluntarily elects to apply CC0 to the Work and publicly distribute the Work under its terms, with knowledge of his or her Copyright and Related Rights in the Work and the meaning and intended legal effect of CC0 on those rights.

1. Copyright and Related Rights. A Work made available under CC0 may be protected by copyright and related or neighboring rights ("Copyright and Related Rights"). Copyright and Related Rights include, but are not limited to, the following:

   - the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;
   - moral rights retained by the original author(s) and/or performer(s);
   - publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;
   - rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;
   - rights protecting the extraction, dissemination, use and reuse of data in a Work;
   - database rights (such as those arising under Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, and under any national implementation thereof, including any amended or successor version of such directive); and
   - other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.

2. Waiver. To the greatest extent permitted by, but not in contravention of, applicable law, Affirmer hereby overtly, fully, permanently, irrevocably and unconditionally waives, abandons, and surrenders all of Affirmer's Copyright and Related Rights and associated claims and causes of action, whether now known or unknown (including existing as well as future claims and causes of action), in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each member of the public at large and to the detriment of Affirmer's heirs and successors, fully intending that such Waiver shall not be subject to revocation, rescission, cancellation, termination, or any other legal or equitable action to disrupt the quiet enjoyment of the Work by the public as contemplated by Affirmer's express Statement of Purpose.

3. Public License Fallback. Should any part of the Waiver for any reason be judged legally invalid or ineffective under applicable law, then the Waiver shall be preserved to the maximum extent permitted taking into account Affirmer's express Statement of Purpose. In addition, to the extent the Waiver is so judged Affirmer hereby grants to each affected person a royalty-free, non transferable, non sublicensable, non exclusive, irrevocable and unconditional license to exercise Affirmer's Copyright and Related Rights in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "License"). The License shall be deemed effective as of the date CC0 was applied by Affirmer to the Work. Should any part of the License for any reason be judged legally invalid or ineffective under applicable law, such partial invalidity or ineffectiveness shall not invalidate the remainder of the License, and in such case Affirmer hereby affirms that he or she will not (i) exercise any of his or her remaining Copyright and Related Rights in the Work or (ii) assert any associated claims and causes of action with respect to the Work, in either case contrary to Affirmer's express Statement of Purpose.

4. Limitations and Disclaimers.
No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.

Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.

Affirmer disclaims responsibility for clearing rights of other persons that may apply to the Work or any use thereof, including without limitation any person's Copyright and Related Rights in the Work. Further, Affirmer disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the Work.

Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CC0 or use of the Work.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with
11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and
"any later version", you have the option of following the terms and conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).
To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

-----

In addition, as a special exception, the copyright holders give permission to link the code of portions of this program with the OpenSSL library under certain conditions as described in each individual source file, and distribute linked combinations including the two.

You must obey the GNU Lesser General Public License in all respects for all of the code used other than OpenSSL. If you modify file(s) with this exception, you may extend this exception to your version of the file(s), but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your
version. If you delete this exception statement from all source files in the program, then also delete it here.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conscientiously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

-----

In addition, as a special exception, the copyright holders give permission to link the code of portions of this program with the OpenSSL library under certain conditions as described in each individual source file, and distribute linked combinations including the two.

You must obey the GNU General Public License in all respects for all of the code used other than OpenSSL. If you modify file(s) with this exception, you may extend this exception to your version of the file(s), but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version. If you delete this exception statement from all source files in the program, then also delete it here.

1.887 tomcat-extras-juli-adapters 8.0.23
1.887.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Apache Tomcat
Copyright 1999-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

1.888 perl-ntlm 1.09-17.el8
1.888.1 Available under license :
GNU GENERAL PUBLIC LICENSE
Version 1, February 1989
Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE

---

Open Source Used In CSPC_Collector 2.9.1 9596
0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

   d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring
the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

   a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

   b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

   c) accompany it with the information you received as to where the corresponding source code may be obtained.  (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it.  For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License.  Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License.  However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions.  You may not impose any further restrictions on the recipients' exercise of the rights granted herein.
7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program 'Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!
The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.
2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within
an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called "undump" or "unexec" methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.

7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package's interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.889 bouncy-castle 1.60
1.889.1 Available under license :

   11)+/(V<clinit><init>[Copyright (c) 2000-2017 The Legion of the Bouncy Castle Inc. (http://www.bouncycastle.org) DEALINGS IN THE SOFTWARE.XINCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR|LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR

Open Source Used In CSPC_Collector 2.9.1 9603
Various portions of the libsecret tests are licensed under different open source licenses. See the top of the file/test in question for the exact license that applies. The full text of the various applicable licenses are listed here as required by those licenses:

--------------------------------------------------------------------------

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "["] replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Copyleft (C) 2000-2010 Julian Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE
GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEG LiGENCE OR OTHERwiSE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

------------------------------------------------------------------------

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages
are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above,

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.
11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.892 junit 4.12
1.892.1 Available under license :
JUnit

Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC
LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM
CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS
“Contribution” means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution ‘originates’ from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

“Contributor” means any person or entity that distributes the Program.

“Licensed Patents ” mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

“Program” means the Contributions distributed in accordance with this Agreement.

“Recipient” means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.
c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

   i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

   ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

   iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

   iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.
Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor (“Commercial Contributor”) hereby agrees to defend and indemnify every other Contributor (“Indemnified Contributor”) against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise
of rights under this Agreement, including but not limited to the risks and
costs of program errors, compliance with applicable laws, damage to or loss of
data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY
CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST
PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY
WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS
GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable
law, it shall not affect the validity or enforceability of the remainder of the
terms of this Agreement, and without further action by the parties hereto, such
provision shall be reformed to the minimum extent necessary to make such
provision valid and enforceable.

If Recipient institutes patent litigation against any
entity (including a cross-claim or counterclaim in a lawsuit) alleging that the
Program itself (excluding combinations of the Program with other software or
hardware) infringes such Recipient's patent(s), then such Recipient's rights
granted under Section 2(b) shall terminate as of the date such litigation is
filed.

All Recipient's rights under this Agreement shall terminate if it fails to
comply with any of the material terms or conditions of this Agreement and does
not cure such failure in a reasonable period of time after becoming aware of
such noncompliance. If all Recipient's rights under this Agreement terminate,
Recipient agrees to cease use and distribution of the Program as soon as
reasonably practicable. However, Recipient's obligations under this Agreement
and any licenses granted by Recipient relating to the Program shall continue
and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in
order to avoid inconsistency the Agreement is copyrighted and may only be
modified in the following manner. The Agreement Steward reserves the right to
publish new versions (including revisions) of this Agreement from time to time.
No one other than the Agreement Steward has the right to modify this Agreement.
The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to
serve as the Agreement Steward to a suitable separate entity. Each new version
of the Agreement will be given a distinguishing version number. The Program
(including Contributions) may always be distributed subject to the version of
the Agreement under which it was received. In addition, after a new version of
the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

1.893 libgcrypt 1.8.5 4.el8

1.893.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
      stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in
      whole or in part contains or is derived from the Program or any
      part thereof, to be licensed as a whole at no charge to all third
      parties under the terms of this License.

   c) If the modified program normally reads commands interactively
      when run, you must cause it, when started running for such
      interactive use in the most ordinary way, to print or display an
      announcement including an appropriate copyright notice and a
      notice that there is no warranty (or else, saying that you provide
      a warranty) and that users may redistribute the program under
      these conditions, and telling the user how to view a copy of this
      License.  (Exception: if the Program itself is interactive but
      does not normally print such an announcement, your work based
      on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole.  If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works.  But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year  name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.
When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least
three years, to give the same user the materials specified in
Subsection 6a, above, for a charge no more than the cost of
performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those
countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and
"any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.
END OF TERMS AND CONDITIONS

^L

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!

Additional license notices for Libgcrypt.

This file contains the copying permission notices for various files in the Libgcrypt distribution which are not covered by the GNU Lesser General Public License (LGPL) or the GNU General Public License (GPL).

These notices all require that a copy of the notice be included in the accompanying documentation and be distributed with binary distributions of the code, so be sure to include this file along with any binary distributions derived from the GNU C Library.

* BSD_3Clause

For files:
- cipher/sha256-avx-amd64.S
- cipher/sha256-avx2-bmi2-amd64.S
- cipher/sha256-ssse3-amd64.S
- cipher/sha512-avx-amd64.S
- cipher/sha512-avx2-bmi2-amd64.S
- cipher/sha512-ssse3-amd64.S

#+begin_quote
Copyright (c) 2012, Intel Corporation

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Intel Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY INTEL CORPORATION "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL CORPORATION OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

For files:
- random/jitterentropy-base.c
- random/jitterentropy.h
- random/rndjent.c (plus common Libgcrypt copyright holders)

* Copyright Stephan Mueller <smueller@chronox.de>, 2013
* License
* ========
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, and the entire permission notice in its entirety,
* including the disclaimer of warranties.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. The name of the author may not be used to endorse or promote
* products derived from this software without specific prior
* written permission.
* ALTERNATIVELY, this product may be distributed under the terms of
* the GNU General Public License, in which case the provisions of the GPL are
* required INSTEAD OF the above restrictions. (This clause is
* necessary due to a potential bad interaction between the GPL and
* the restrictions contained in a BSD-style copyright.)
* THIS SOFTWARE IS PROVIDED `AS IS" AND ANY EXPRESS OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF
* WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
* OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
* BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
* LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE
* USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH
* DAMAGE.

#+end_quote

* X License

For files:
- install.sh

#+begin_quote
Copyright (C) 1994 X Consortium

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

#+end_quote

* Public domain

For files:
- cipher/arcfour-amd64.S

#+begin_quote
Author: Marc Bevand <bevand_m (at) epita.fr>
Licence: I hereby disclaim the copyright on this code and place it in the public domain.

#+end_quote
* OCB license 1

For files:
- cipher/cipher-ocb.c

#begin_quote
OCB is covered by several patents but may be used freely by most software. See http://web.cs.ucdavis.edu/~rogaway/ocb/license.htm. In particular license 1 is suitable for Libgcrypt: See http://web.cs.ucdavis.edu/~rogaway/ocb/license1.pdf for the full license document; it basically says:

License 1 License for Open-Source Software Implementations of OCB
(Jan 9, 2013)

Under this license, you are authorized to make, use, and distribute open-source software implementations of OCB. This license terminates for you if you sue someone over their open-source software implementation of OCB claiming that you have a patent covering their implementation.

License for Open Source Software Implementations of OCB
January 9, 2013

1 Definitions

1.1 Licensor means Phillip Rogaway.


1.3 Use means any practice of any invention claimed in the Licensed Patents.

1.4 Software Implementation means any practice of any invention claimed in the Licensed Patents that takes the form of software executing on a user-programmable, general-purpose computer or that takes the form of a computer-readable medium storing such software. Software Implementation does not include, for example, application-specific integrated circuits (ASICs), field-programmable gate arrays (FPGAs), embedded systems, or IP cores.
1.5 Open Source Software means software whose source code is published and made available for inspection and use by anyone because either (a) the source code is subject to a license that permits recipients to copy, modify, and distribute the source code without payment of fees or royalties, or (b) the source code is in the public domain, including code released for public use through a CC0 waiver. All licenses certified by the Open Source Initiative at opensource.org as of January 9, 2013 and all Creative Commons licenses identified on the creativecommons.org website as of January 9, 2013, including the Public License Fallback of the CC0 waiver, satisfy these requirements for the purposes of this license.

1.6 Open Source Software Implementation means a Software Implementation in which the software implicating the Licensed Patents is Open Source Software. Open Source Software Implementation does not include any Software Implementation in which the software implicating the Licensed Patents is combined, so as to form a larger program, with software that is not Open Source Software.

2 License Grant

2.1 License. Subject to your compliance with the terms of this license, including the restriction set forth in Section 2.2, Licensor hereby grants to you a perpetual, worldwide, non-exclusive, non-transferable, non-sublicensable, no-charge, royalty-free, irrevocable license to practice any invention claimed in the Licensed Patents in any Open Source Software Implementation.

2.2 Restriction. If you or your affiliates institute patent litigation (including, but not limited to, a cross-claim or counterclaim in a lawsuit) against any entity alleging that any Use authorized by this license infringes another patent, then any rights granted to you under this license automatically terminate as of the date such litigation is filed.

3 Disclaimer

YOUR USE OF THE LICENSED PATENTS IS AT YOUR OWN RISK AND UNLESS REQUIRED BY APPLICABLE LAW, LICENSOR MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE LICENSED PATENTS OR ANY PRODUCT EMBODYING ANY LICENSED PATENT, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. IN NO EVENT WILL LICENSOR BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM OR RELATED TO ANY USE OF THE LICENSED PATENTS, INCLUDING, WITHOUT LIMITATION, DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR SPECIAL DAMAGES, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES PRIOR TO SUCH AN OCCURRENCE.

#end_quote
1.894 words 3.0 28.el8

1.894.1 Available under license:

No license file was found, but licenses were detected in source scan.

&c
'd
'em
'il
'm
'mid
'midst
'mongst
'prentice
're
's
'sblood
'sbodikins
'sdeath
'sfoot
'sheart
'shun
'slid
'slife
'slight
'snails
'strethew
't
'til
'tis
'twas
'tween
'twere
'twill
'twixt
'twould
'un
've
1080
10th
1st
2
2nd
3rd
4th
5th
abacot
abacterial
abacinal
abactinally
abaction
abactor
abaculi
abacus
abacuses
abada
abaddon
abadejo
abadengo
abadia
abaff
abaf
abaisance
abaised
abaiser
abaisse
abaissered
abaka
abakas
abalation
abalienate
abalienated
abalienating
abalienation
abalane
abalones
abamp
abampere
abampere
abamps
aband
abandon
abandonable
abandoned
abandonedly
abandonedly
abandonee
abandoner
abandoners
abandoning
abandonment
abandonments
abandons
abandum
abanet
abanga
abannition
abapical
abaptiston
abaptistum
abarthrosis
abarticular
abarticulation
abas
abase
abased
abasedly
abasedness
abasement
abasements
abaser
abasers
abases
abash
abashed
abashedly
abashedness
abashes
abashing
abashless
abashlessly
abashment
abashments
abasia
abasias
abasic
abasing
abasio
abask
abassi
abastard
abastardize
abastral
abatable
abatage
abate
abated
abatement
abatements
abater
abaters
abates
abatic
abating
abatis
abatised
abatises
abatjour
abatjours
abaton
abator
abators
abattage
abattis
abattised
abattises
abattoir
abattoirs
abattu
abattue
abature
abaue
abave
abaxial
abaxile
abay
abayah
abaze
abb
abba
abbacies
abbacomes
abbacy
abbandono
abbas
abbasi
abbasid
abbassi
abbate
abbatial
abbbatical
abbatie
abbaye
abbe
abbes
abbes
abbess
abbesses
abbest
abbevillian
abbey
abdicating
abdications
abdicative
abdicator
abditive
abditory
abdom
abdomen
abdomen's
abdomens
abdomina
abdominal
abdominales
abdominalia
abdominalian
abdominally
abdominals
abdominoanterior
abdominocardiac
abdominocentesis
abdominocystic
abdominogenital
abdominohysterectomy
abdominohysterotomy
abdominoposterior
abdominoscope
abdominoscopy
abdominotheracic
abdominous
abdominovaginal
abdominovesical
abduce
abuced
abducens
abducent
abducentes
abduces
abducing
abduct
abducted
abducting
abduction
abduction's
abductions
abductor
abductor's
abductores
abductors
abducts
abeam
abear
abearance
abecedaire
abecedaria
abecedarian
abecedarians
abecedaries
abecedarium
abecedarius
abecedary
abed
abede
abedge
abegge
abeigh
abel
abele
abeles
abelian
abelite
abelmosk
abelmosks
abelmusk
abeltree
abend
abends
abenteric
abepithymia
aberdivine
aberdeen
aberdevine
aberdvine
abernethy
aberr
aberrance
aberrancies
aberrancy
aberrant
aberrantly
aberrants
aberrate
aberrated
aberrating
aberration
aberrational
aberrations
aberrative
aberrator
aberrometer
aberroscope
aberruncate
aberruncator
abessee
abessive
abet
abettment
abetments
abets
abettal
abettals
abetted
abeter
abetters
abetting
abettor
abettors
abevacuation
abey
abeyance
abeyances
abeyancies
abeyancy
abeyant
abfarad
abfarads
abhenries
abhenry
abhenrys
abhinaya
abhiseka
abhominable
abhors
abiogenist
abiogenous
abiogeny
abiological
abiologically
abiology
abies
abiosis
abiotic
abiotical
abiotically
abiotrophic
abiotrophy
abir
abirritant
abirritate
abirritated
abirritating
abirritation
abirritative
abiston
abit
abjuret
abject
abjectedness
abjection
abjections
abjective
abjectly
abjectness
abjoint
abjudge
abjudged
abjudging
abjudicate
abjudicated
abjudicating
abjudication
abjudicator
abjugate
abjunct
abjunction
abjunctive
abjuration
abjurations
abjuratory
abjure
abjured
abjurement
abjurer
abjurers
abjures
abjuring
abkar
abkari
abkary
abl
ablach
ablactate
ablactated
ablactating
ablactation
ablaqueate
ablare
ablastemic
ablustin
abloustous
able
ablative
ablative
ablatively
ablatives
ablator
ablaut
ablauts
ablaze
able
ablezeze
ablegate
ablegates
ablegation
abblend
ableness
ablepharia
ablepharon
ablepharous
ablepsia
ablepsy
ableptical
ableptically
abolitionise
abolitionised
abolitionising
abolitionism
abolitionist
abolitionists
abolitionize
abolitionized
abolitionizing
abolla
abollae
aboma
abomas
abomas
abomasal
abomas
abomasit
abomasum
abomasus
abomasusi
abominability
abominable
abominableness
abominably
abominate
abominate
abominate
abominates
abominating
abomination
abominations
abominator
abominators
abomine
abondance
abonne
abonnement
aboorn
aborad
aboral
aborally
aboral
aboriginal
aboriginality
aboriginally
aboriginals
aboriginary
aborigine
aborigine's
aborigines
aborning
aborsement
aborsive
abort
aborted
aborter
aborters
aborticide
abortient
abortifacient
abortin
aborting
abortion
abortion's
abortional
abortionist
abortionists
abortions
abortive
abortively
abortiveness
abortogenic
aborts
abortus
abortuses
abos
abote
abouchement
aboudikro
abought
aboulia
aboulias
aboulic
abound
abounded
abounder
abounding
aboundingly
abounds
about
abouts
above
aboveboard
abovedeck
aboveground
aboveground
aboveground
aboveproof
aboves
abovesaid
abovestairs
abow
abox
ahp
abr
abracadabra
abrahia
abrahias
abradable
abradant
abradants
abrade
abraded
abrader
abraders
abrades
abrading
abraham
abraid
abranchial
abranchialism
abranchian
abranchiate
abranchious
abrasax
abraser
abrash
abrasing
abrasiometer
abrasion
abrasions
abrasive
abrasively
abrasiveness
abrasives
abrostol
abraum
abraxas
abray
abrazite
abrazitic
abrazo
abrazos
abreact
abreacted
abreacting
abreaction
abreactions
abreacts
abreast
abreed
abrege
abreid
abrenounce
abrenuncia
abrenunciation
abreaction
abrept
abrept
abreuvoir
abri
abrico
abricock
abricot
abridgable
abridge
abridgeable
abridged
abridgedly
abridgement
abridgements
abridger
abridgers
abridges
abridging
abridgment
abridgments
abrim
abrin
abrine
abris
abristle
abroach
abroad
abrocome
abrogable
abrogate
abrogated
abrogates
abrogating
abrogation
abrogations
abrogative
abrogator
abrogators
abronia
abrood
abrook
abrosis
abrosisas
abrotanum
abrotin
abrotine
abrupt
abruptedly
abrupter
abruptest
abruptio
abruption
abruptiones
abruptly
abruptness
abs
absampere
absarokite
absacam
abscess
abscessed
abscesses
abscessing
abscession
abscessroot
abscind
abscise
abscised
abscises
abscising
abscisins
abscision
absciss
abscissa
abscissa's
abscissae
abscissas
abscisse
abscissin
abscission
abscissions
absconce
abscond
absconded
abstentions
abstentious
absterge
absterged
abstergent
absters
defining
absterging
absterse
abstersion
abstersive
abstersional
abstersons
abstertion
abstinence
abstineny
abstinent
abstination
abstinently
abstort
abstr
abstract
abstractable
abstracted
abstractedly
abstractedness
abstracter
abstraction
abstraction's
ablactional
abstractionism
abstractionist
abstractionists
abstractions
abstractionitious
abtractive
abtractively
abtractiveness
abstractly
abstractionness
abstracter
abstracter's
abstractioners
abstractioners
abstract
abstracted
abstractedly
abstractedness
abstracter
abstracter's
abstractioners
abstract
abstracted
abstracted
abstractive
abtractively
abtractiveness
abstractly
abstractionness
abstracter
abstracter's
abstractioners
abstract
abstracted
abstracted
abstricting
abstriction
abstricts
abstrude
abstruse
abstrusely
abstruseness
abstrusenesses
abstruser
abstrusest
abstrusion
abstrusities
abstrusity
absume
absumption
aburd
aburder
absurdest
absurdism
absurdist
absurdities
absurdity
absurdity's
absurdly
absurdness
absurds
absurdum
absvolt
abt
abterminal
abthain
abthainrie
abthainry
abthane
abtruse
abu
abubble
abucco
abuilding
abuleia
abulia
abulias
abulic
abulomania
abulyeit
abumbral
abumbral
abuna
abwab
abwatt
abwatts
aby
abye
abyes
abying
abys
abyss
abyssal
abyssally
abyssm
abyssmally
abyssms
abys
abys's
abyssa
abyssal
abysses
abyssinia
abyssinian
abyssinians
abyssobenthonic
abyssolith
abyssopelagic
abyssus
ac
acacatechin
acacatechol
acacetin
acacia
acacias
acaciin
acacin
acacine
acad
academe
academes
academia
academial
academian
academias
academic
academical
academically
academicals
academician
academicians
academicianship
academicism
academics
academie
academies
academise
academised
academising
academism
academist
academite
academization
academize
academized
academizing
academy
academy's
acadia
acadialite
acadian
acaena
acajou
acajous
acalculia
acle
acaleph
acalepha
acalephae
acalephan
acalephe
acalephes
acalephoid
acalephs
acalycal
acalyicine
acalycinous
acalyculate
acalyprate
acampsia
acana
acanaceous
acanonical
acanth
acantha
acanthaceous
acanthad
acanthi
acanthial
acanthin
acanthine
acanthion
acanthite
acanthocarpous
acanthocephalan
acanthocephalous
acanthocladous
acanthodean
acanthodian
acanthoid
acanthological
acanthology
acantholysis
acanthoma
acanthomas
acanthon
acanthophorous
acanthopod
acanthopodous
acanthopomatous
acanthopore
acanthopteran
acanthopterous
acanthopterygian
acanthoses
acanthosis
acanthotic
acanthous
acanthus
acanthuses
acanthuthi
acapnia
acapnial
acapnias
acappella
acapsular
acapu
acapulco
acara
acarari
acardia
acardiac
acardite
acari
acarian
acarisis
acariatre
acaricidal
acaricide
acarid
acaridae
acaridan
acaridans
acaridean
acaridomatia
acaridomatiun
acarids
acariform
acarine
acarines
acarinosis
acarocecidia
acarocecidium
acarodermatitis
acaroid
acarol
acarologist
acarology
acarophilous
acarophobia
acarotoxic
acarpellous
acarpelous
acarpous
acarus
acast
acatalectic
acatalepsia
acatalepsy
acataleptic
acatallactic
acatamathesia
acataphasia
acatasposis
acatastasia
acatastatic
acate
acategorical
acater
acattery
acates
acatharsia
acatharsy
acatholic
acatholic
acaudal
acaudate
acaudelescent
acaulescence
acaulescent
acauleine
acauleose
acauleous
ace
acca
accable
accademia
accadian
ace
accede
acceded
accedence
acceder
acceders
accedes
acceding
accel
accelerable
accelerando
accelerant
accelerate
accelerated
acceleratedly
accelerates
accelerating
acceleratingly
acceleration
accelerations
accelerative
accelerator
acceleratorh
accelerators
acceleratory
accelerograph
accelerometer
accelerometer's
accelerometers
accend
accendibility
accendible
accensed
accension
accensor
accent
accented
accenting
accentless
accensor
accentors
accents
accentuable
accentual
accentuality
accentually
accentuate
accentuated
accentuates
accentuating
accentuation
accentuator
accentus
accept
acceptability
acceptable
acceptableness
acceptably
acceptance
acceptance's
acceptances
acceptancies
acceptancy
acceptant
acceptation
acceptavit
accepted
acceptedly
acceptee
acceptees
accepter
accepters
acceptilate
acceptilated
acceptilating
acceptilation
accepting
acceptingly
acceptingness
action
active
active's
activates
activating
activator
accepts
accerse
accerstion
accersitor
access
accessability
accessible
accessable
accessarily
accessariness
accessary
accessaryship
accessed
accesses
accessibility
accessible
accessibleness
accessibly
accessing
accession
accession's
accessional
accessioned
accessioner
accessioning
accessions
accessit
accessive
accessively
accessless
accessor
accessor's
accessorial
accessories
accessorii
accessorily
accessoriness
accessorius
accessoriusorii
accessorize
accessorized
accessorizing
accessors
accessory
accessory's
acciaccatura
acciaccaturas
acciaccature
accidence
accidencies
accidency
accident
accidental
accidentalism
accidentalist
accidentality
accidentally
accidentalness
accidentals
accidentarily
accidentary
accidented
accidental
accidentality
accidently
accidents
accidia
accidie
accidies
accinge
accinged
accinging
accipenser
accipient
accipiter
accipitral
accipitrary
accipitrine
accipter
accise
accismus
accite
acclaim
acclaimable
acclaimed
acclaimer
acclaimers
acclaiming
acclaims
acclamation
acclamations
acclamator
acclamatory
acclimatable
acclimatation
acclimate
acclimated
acclimatement
acclimates
acclimating
acclimation
acclimatisable
acclimatisation
acclimatised
acclimatiser
acclimatising
acclimatizable
acclimatization
acclimatize
acclimatized
acclimatizer
acclimatizes
acclimatizing
acclimatature
acclinal
acclimate
acclivities
acclivitous
acclivity
acclivous
accloy
accoast
accoil
accolade
accoladed
accolades
accolated
accolent
accoll
accolle
accolled
accollee
accombination
accommodable
accommodableness
accommodate
accommodated
accommodately
accommodateness
accommodates
accommodating
accommodatingly
accommodatingness
accommodation
accrimate
accroach
accroached
accroaching
accroachment
accroides
accruable
accrual
accruals
acerue
acrued
accruement
accruer
accrues
accruing
acet
accts
accubation
accubita
accubitum
accubitus
accueil
accultural
acculturate
acculturated
acculturates
acculturating
acculturation
acculturational
acculturationist
acculturative
acculturize
acculturized
acculturizing
accum
accumb
accumbency
accumbent
accumber
accumulable
accumulate
accumulated
accumulates
accumulating
accumulation
accumulations
accumulativ
accumulative
accusive
accusor
accustom
accustomation
accustomed
accustomedly
accustomedness
accustoming
accustomize
accustomed
accustoming
accustoms
ace
ace's
aceacenaphthene
aceanthrene
aceanthrenequinone
acecaffin
acecaffeine
aceconitic
aced
acedia
acediamin
acediamine
acedias
acediast
acedy
aceite
acetuna
aceldama
aceldamas
acellular
acemila
acenaphthene
acenaphthenyl
acenaphthylene
acesthesia
acensuada
acensuador
acentric
acentrous
aceologic
aceology
acephal
acephala
acephalan
acephali
acephalia
acephaline
acephalism
acephalist
acephalocyst
acephalous
acephalus
acepots
acequia
acequiador
acequias
aceraceous
acerate
acerated
acerathere
aceratosis
acerb
acerbate
acerbated
acerbates
acerbating
acerber
acerbest
acerbic
acerbically
acerbities
acerbitude
acerbity
acerbityacerose
acerbly
acerbophobia
acerbol
aceric
acerin
acerli
acerola
acerolas
acerose
acerous
acerra
acertannin
acerval
acervate
acervately
acervatim
acervation
acervative
acervose
acervuli
acervuline
acervulus
aces
acescence
acescence
acescent
acescents
aceship
acesodyne
acesodynous
acestoma
aceta
acetable
acetabula
acetabular
acetabularia
acetabuliferous
acetabuliform
acetabulous
acetabulum
acetabulums
acetacetic
acetal
acetaldehyde
acetaldehydase
acetaldehyde
acetaldehydrase
acetaldol
acetalization
acetalize
acetals
acetamid
acetamide
acetamidin
acetamidine
acetamido
acetamids
acetaminol
acetaminophen
acetanilid
acetanilide
acetanion
acetaniside
acetanisidide
acetanisidine
acetamin
acetarious
acetars
acetarsone
acetary
acetate
acetated
acetates
acetation
acetazolamide
acetbromamide
acetenyl
acethylhydrazide
acetiam
acetic
acetification
acetified
acetifier
acetifies
acetify
acetifying
acetimeter
acetimetric
acetimetry
acetin
acetine
acetins
acetite
acetize
aceta
acetmethylanilide
acetnaphthalide
acetoacetanilide
acetoacetate
acetoacetic
acetoamidophenol
acetoarsenite
acetobacter
acetobenzoic
acetobromanilide
acetochloral
acetocinnamene
acetoin
acetyl
acetol
acetolysis
acetoletic
acetometer
acetometric
acetometrical
acetometrically
acetometry
acetomorphin
acetomorphine
acetonaemia
acetonaemic
acetonaphthone
acetonate
acetonation
acetone
acetonemia
acetonic
acetones
acetonic
acetonitrile
acetonization
acetonize
acetonuria
acetonurometer
acetyl
acetonylacetone
acetonylidene
acetophenetide
acetophenetidin
acetophenetidine
acetophenin
acetophenine
acetophenone
acetopiperone
acetopyrin
acetopyrine
acetosalicylic
acetose
acetosity
acetosoluble
acetostearin
acetothienone
acetotoluid
acetotoluidide
acetotoluidine
acetous
acetoveratrone
acetoxim
acetoxime
acetoxyl
acetoxyls
acetoxymphthalide
acetphenetid
acetphenetidin
acettract
acettoluide
acetum
aceturic
acetyl
acetylanonates
acetylacetone
acetylamine
acetylaninobenzene
acetylamine
acetylasalicylic
acetyl
acetylated
acetyating
acetylation
acetylate
acetylative
acetylator
acetylbenzene
acetylenzoate
acetylenzoic
acetyliuret
acetylene
acetylene
carbazole
acetylene
acetylene
diurein
acetylenic
acetylenogen
acetylenyl
acetyfluoride
acetylglycin
acetylglycerin
acetylglycine
acetyhydrazine
acetylic
acetylid
acetylide
acetyliodide
acetylizable
acetylation
acetylate
acetylated
acetyling
acetylates
acetylism
acetylmethylcarbinol
acetylsalicylic
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetyleno
acetylsalicylate
cacodylate
acetylsalicylic
acetylsalol
acetyltannin
acetyllstearic
acetyltropeine
acetylyurea
ach
achaenocarp
achaetous
achafer
achage
achalasia
achare
acharet
achareache
acharent
acharya
achate
achates
achatour
ache
acheat
achech
acheck
ached
acheer
achelary
acheilia
acheilous
acheiria
acheirous
acheirus
achene
achen
achenia
achenial
achenium
achenocarp
achenodax
achenode
achenoida
achenodium
acher
acheron
acheronian
achromatope
achromatophil
achromatophile
achromatophilia
achromatophobia
achromatopsia
achromatopsy
achromatosis
achromatous
achromatics
achromaturia
achromia
achromatic
achromobacter
achromoderma
achromophilous
achromotrichia
achromous
achronical
achronism
achronychous
achroodextrin
achroodextrinase
achroous
achropsia
achtelhalber
achtel
achtelthaler
achten
achteveld
achuete
achy
achylia
achylous
achyria
achymous
acichlorid
acichloride
acicula
aciculae
aciculae
aciculae
aciculae
acicula
aciculate
aciculated
aciculum
aciculum
acid
acidaemia
acidanthera
acidemia
acidemias
acider
acidhead
acidheads
acidic
acidiferous
acidifiable
acidifiant
acidic
acidification
acidified
acidifier
acidifiers
acidifies
acidify
acidifying
acidimeter
acidimetric
acidimetical
acidimetrically
acidimetry
acidite
acidities
acidity
acidize
acidized
acidizing
acidly
acidness
acidnesses
acidogenic
acidoid
acidology
acidolysis
acidometer
acidometry
acidophil
acidophile
acidophilic
acidophilous
acidophilus
acidoproteolytic
acidoses
acidosis
acidosteophyte
acidotic
acidproof
acids
acidulant
acidulate
acidulated
acidulates
acidulating
acidulation
acidulent
acidulous
acidulously
acidulousness
aciduria
acidurias
aciduric
acidy
acidy
acier
acierage
acierate
acierated
acierates
acierating
acieration
acies
aciform
aciliate
aciliated
acinaceous
acinaces
acinacifoliate
acinacifolious
acinaciform
acinacious
acinacity
acinar
acinarous
acinary
acinetae
acinetan
acinetarian
acinetan
acinetiform
acinetinan
acing
aclu
acylades
acylys
acmaesthesia
acmatic
acme
acmes
acmesthesia
acmic
acmite
acne
acned
acneform
acneiform
acnemia
acnes
acnodal
acnode
acnodes
acoasm
acoasma
acocantherin
acock
acockbill
acocotl
acoelemate
acoelematous
acoelemous
acoeous
acoeaesthesia
acoin
acoline
acold
acologic
acology
acolous
acoluthic
acolyctine
acolyte
acolytes
acolyth
acolythate
acolytus
acoma
acomia
acomous
aconative
acondyleose
acondyious
acone
aconelline
aconic
aconin
aconine
aconital
aconite
aconites
aconitia
aconitic
aconitin
aconitine
aconitum
aconitums
acontia
acontium
aconuresis
acool
acop
acopic
acopon
acopyrin
acopyrine
acor
acorea
acoria
acorn
acorn's
acorned
acorns
acorus
acosmic
acosmism
acosmist
acosmistic
acost
acotyledon
acotyledonous
acouas
acouchi
acouchy
acoumeter
acoumetry
acounter
acouometer
acouophonia
acoup
acritical
acritochromacy
acritol
acritude
acritude
acroaesthesia
acroama
acroamata
acroamatic
acroamatical
acroamatics
acroanesthesia
acroarthritis
acroasis
acroasphyxia
acroataxia
acroatic
acrobacies
acrobacy
acrobot
acrobot's
acrobatholithic
acrobatic
acrobatical
acrobatically
acrobatics
acrobatism
acrobats
acroblast
acrobryous
acrobystitis
acrocarpous
acrocentric
acrocephalia
acrocephalic
acrocephalous
acrocephaly
acrochordon
acrock
acroconidium
acrocontracture
acrocoracoid
acrocyanosis
acrocyst
acrodactyla
acrodactylum
acrodematitis
acrodont
acrodontism
acrodonts
acrodrome
acrodromous
acrodynia
acroesthesia
acrogonous
acrogamy
acrogen
acrogenic
acrogenous
acrogenously
acrogens
acrography
acrogynae
acrogynous
acrolein
acroleins
acrolith
acrolithan
acrolithic
acroliths
acrologic
acrologically
acrologies
acrologism
acrologue
acrology
acromanial
acromastitis
acromegalial
acromegalic
acromegalies
acromegaly
acromelalgia
acrometer
acromia
acromial
acromicria
acromimia
acromioclavicular
acromiocoracoid
acromiodeltoid
acromiohumeral
acromiohyoid
acromion
acromioscapular
acromiosternal
acromiothoracic
acromonogrammatic
acromphalus
acromyodian
acromyodic
acromyodous
acromyotonia
acromyotonus
acron
acronal
acronarcotic
acroneurosis
acronic
acronical
acronically
acronichal
acronichally
acronomy
acronyc
acronycal
acronyclically
acronych
acronychal
acronychally
acronychous
acronyctous
acronym
acronym's
acronymic
acronymically
acronymize
acronymized
acronymizing
acronymous
acronyms
acronyx
acrook
acroparalysis
acroparesthesia
acropathology
acropathy
acropetal
acropetally
acrophobia
acrophonetic
acrophonic
acrophonically
acrophonies
acrophony
acropodia
acropodium
acropoleis
acropolis
acropolises
acropolitan
acropole
acrorhagus
acrorrhoea
acrosarca
acrosarc
acrosarcum
acroscleriasis
acroscleroderma
acroscoptic
acrose
acrosome
acrosomes
acrosphaceus
acrosphere
acrospired
acrospiring
acrosphere
acrosporous
across
acrostic
acrostical
acrostically
acrostichal
acrostichic
acrostichoid
acrosticism
acrostics
acrostolia
acrostolion
acrostolium
acrotarsial
acrotarsium
acroteleutic
acrotus
acrotus
acrotus
acrotus
acrotus
acrotus
acrotus
acrotic
acrotism
acrotisms
acrotomous
acrotrophic
acrotrophoneurosis
acryl
acrylaldehyde
acrylate
acrylates
acrylic
acrylics
acrylonitrile
acrylyl
act
acta
actability
actable
actaeon
acted
actg
actification
actifier
actify
actin
actinal
actinally
actinautographic
actinautography
actine
actinenchyma
acting
actings
actinia
actiniae
actinian
actinians
actiniarian
actinias
actinic
actinical
actinically
actinide
actinides
actiniferous
actiniform
actinine
actinochrome
actiniohematin
actinism
actinisms
actinium
actiniums
actinobaccilli
actinobacilli
actinobacillosis
actinobacillotic
actinobacillus
actinoblast
actinobranch
actinobranchia
actinocarp
actinocarpic
actinocarpous
actinochemical
actinochemistry
actinocrinid
actinocrinite
actinocutitis
actinodermatitis
actinodielectric
actinodrome
actinodromous
actinoelectric
actinoelectrically
actinoelectricity
actinogonidiate
actinogram
actinograph
actinographic
actinography
actinoid
actinoids
actinolite
actinolitic
actinologous
actinologue
actinology
actinomere
actinomeric
actinometer
actinometers
actinometric
actinometrical
actinometricly
actinometry
actinometry
actinomorphic
actinomorphous
actinomorphy
actinomyces
actinomycese
actinomycesous
actinomycesal
actinomyce
t
actinomycetous
actinomycin
actinomycoma
actinomycosis
actinomycosistic
actinomycotic
actinon
actinoneuritis
actinos
actinophone
actinophonic
actinophore
actinophorous
actinophyran
actinopod
actinopraxis
actinopteran
actinopterous
actinopterygian
actinopterygious
actinoscopy
actinosoma
actinosome
actinost
actinostereoscopy
actinostomal
actinostome
actinotherapeutic
actinotherapeutics
actinotherapy
actin toxemia
actinotrichium
actinotrocha
actinouranium
actinozoal
actinozoan
actinozoon
actins
actinula
actinulae
action
action's
actionability
actionable
actionably
actional
actionary
actioner
actiones
actionist
actionize
actionized
actionizing
actionless
actions
actious
activable
activate
activated
activates
activating
activation
activations
activator
activator's
activators
active
actively
activeness
actives
activin
activism
activisms
activist
activist's
activistic
activists
activital
activities
activity
activity's
activize
activized
activizing
actless
actomyosin
acton
actor
actor's
actorish
actors
actorship
actory
actos
actress
actress's
actresses
actressy
acts
actu
actual
actualisation
actualise
actualised
actualising
actualism
actualist
actualistic
actualities
actuality
actualization
actualize
actualized
actualizes
actualizing
actually
actualness
actuals
actuarial
actuarially
actuarian
actuaries
actuary
actuaryship
actuate
actuated
actuates
actuating
actuation
actuator
actuator's
actuators
actuose
acture
acturience
acushla
acustom
acutance
acutancess
acutangular
acutate
acute
acutely
acutenaculum
acuteness
acuter
acutes
acutest
acutitator
acutifoliate
acutilingual
acutilobate
acutilplantar
acutish
acutograve
acutonodose
acutorsion
acxoyatl
acy
acyanoblepsia
acyanopsia
acyclic
acyclically
acyesis
acyetic
acyl
acylal
acylamido
acylamidobenzene
acylamino
acylase
acylate
acylated
acylates
acylating
acylation
acylogen
acyloin
acyloins
acyloxy
acyloxymethane
acyls
acyrological
adaptability
adaptable
adaptableness
adaptably
adaptation
adaptation's
adaptational
adaptationally
adaptations
adaptative
adapted
adaptedness
adapter
adapters
adapting
adaption
adaptional
adaptionism
adaptionism
adapting
adaptitude
adaptive
adaptively
adaptiveness
adaptivity
adaptometer
adapter
adaptorial
adaptors
adapts
adar
adarbitrium
adarme
adarticulation
adat
adati
adatis
adatom
adaty
adaunt
adaw
adawe
adawlut
adawn
adaxial
aday
adays
adazzle
adc
adcon
adcons
adcraft
add
adda
addability
addable
addax
addaxes
addda
addebted
added
addedly
adeem
addend
addenda
addends
addendum
addendums
adder
adderbolt
adderfish
adders
adderspit
adderwort
addibility
addible
addice
addicent
addict
addicted
addictedness
addicting
addiction
addiction's
addictions
addictive
addictively
addictiveness
addictives
addicts
addiment
adding
addio
addis
addison
addita
additament
additamentary
additiment
addition
addition's
additional
additionally
additionary
additionist
additions
addititious
additive
additive's
additively
additives
additivy
additory
additum
additur
addle
addlebrain
addlebrained
addled
addlehead
addleheaded
addleheadedly
addleheadedness
addlement
addleness
addlepate
addlepated
addlepatedness
addleplot
addles
addling
addlings
addlins
addn
addnl
addoom
addursed
addossed
addr
address
addressability
addressable
addressed
addressee
addressee's
<table>
<thead>
<tr>
<th>Word</th>
</tr>
</thead>
<tbody>
<tr>
<td>addressees</td>
</tr>
<tr>
<td>addresser</td>
</tr>
<tr>
<td>addressers</td>
</tr>
<tr>
<td>addresses</td>
</tr>
<tr>
<td>addressful</td>
</tr>
<tr>
<td>addressing</td>
</tr>
<tr>
<td>addressor</td>
</tr>
<tr>
<td>addrest</td>
</tr>
<tr>
<td>adds</td>
</tr>
<tr>
<td>adduce</td>
</tr>
<tr>
<td>adduceable</td>
</tr>
<tr>
<td>adduced</td>
</tr>
<tr>
<td>adduent</td>
</tr>
<tr>
<td>adducer</td>
</tr>
<tr>
<td>adducers</td>
</tr>
<tr>
<td>adduces</td>
</tr>
<tr>
<td>adducible</td>
</tr>
<tr>
<td>adducing</td>
</tr>
<tr>
<td>adduct</td>
</tr>
<tr>
<td>adducted</td>
</tr>
<tr>
<td>adducting</td>
</tr>
<tr>
<td>adduction</td>
</tr>
<tr>
<td>adductive</td>
</tr>
<tr>
<td>adductor</td>
</tr>
<tr>
<td>adductors</td>
</tr>
<tr>
<td>adducts</td>
</tr>
<tr>
<td>addulce</td>
</tr>
<tr>
<td>ade</td>
</tr>
<tr>
<td>adead</td>
</tr>
<tr>
<td>adeem</td>
</tr>
<tr>
<td>adeemed</td>
</tr>
<tr>
<td>adeeming</td>
</tr>
<tr>
<td>adeems</td>
</tr>
<tr>
<td>adeep</td>
</tr>
<tr>
<td>adelantado</td>
</tr>
<tr>
<td>adelantados</td>
</tr>
<tr>
<td>adelante</td>
</tr>
<tr>
<td>adelarthrosomatous</td>
</tr>
<tr>
<td>adelaster</td>
</tr>
<tr>
<td>adelating</td>
</tr>
<tr>
<td>adelite</td>
</tr>
<tr>
<td>adelocerous</td>
</tr>
<tr>
<td>adelocodonic</td>
</tr>
<tr>
<td>adelomorphic</td>
</tr>
<tr>
<td>adelomorphous</td>
</tr>
<tr>
<td>adelopod</td>
</tr>
<tr>
<td>adelphic</td>
</tr>
<tr>
<td>adelphogamy</td>
</tr>
</tbody>
</table>
adelpholite
adelpophagy
adelphous
ademonist
adempt
adempted
ademption
aden
adenalgia
adenalty
adenase
adenasthenia
adendric
adendritic
adenectomies
adenectomy
adenectopia
adenectopic
adenemphractic
adenemphraxis
adenia
adeniform
adenin
adenine
adenines
adenitis
adenitises
adenization
adenoacanthoma
adenoblast
adenocarcinoid
adenocarcinoma
adenocarcinomas
adenocarcinomata
adenocarcinomatous
adenocele
adenocellulitis
adenochondroma
adenochondrosarcoma
adenochrome
adenocyst
adenocystoma
adenocystomatous
adenodermia
adenodiastasis
adenodynia
adenofibroma
adenofibrosis
adenogenesis
adenogenous
adenographer
adenographic
adenographical
adenography
adenohypersthenia
adenohypophyseal
adenohypophysial
adenohypophysis
adenoid
adenoidal
adenoidectomies
adenoidectomy
adenoidism
adenoiditis
adenoids
adenoliomyofibroma
adenolipoma
adenolipomatosis
adenologaditis
adenological
adenology
adenolymphocele
adenolymphoma
adenoma
adenomalacia
adenomas
adenomata
adenomatome
adenomatous
adenomeningeal
adenometritis
adenomycosis
adenomyofibroma
adenomyoma
adenomyxoma
adenomyxosarcoma
adenoncus
adenoneural
adenoneure
adenopathy
adenopharyngeal
adenopharyngitis
adenophlegmon
adenophore
adenophoreus
adenophorous
adenophthalmia
adenophyllous
adenophyma
adenopodous
adenosarcoma
adenosarcomas
adenosarcomata
adenosclerosis
adenose
adenoses
adenosine
adenosis
adenostemonous
adenotime
adenotomic
adenotomy
adenotyphoid
adenotyphus
adenous
adenoviral
adenovirus
adenoviruses
adenyl
adenylic
adenylpyrophosphate
adenyls
adephyga
adephygan
adephygia
adephygous
adeps
adep
adepeter
adepetest
adepition
adepthly
adeptness
adepts
adeptship
adequacies
adequacy
adequate
adequately
adequateness
adequation
adequative
adermia
adermin
adermine
adesmy
adespota
adespoton
adessenarian
adessive
adeste
adet
adeuism
adevism
adfected
adffroze
adffrozen
adffiliate
adfix
adfluxion
adfreeze
adfreezing
adfroze
adfrozen
adglutinate
adhaka
adhamanant
adharma
adherent
adhere
adhered
adherence
adherences
adherency
adherend
adherends
adherent
adherent's
adherently
adherents
adherer
adherers
adheres
adherescence
adherescent
adhering
adhesion
adhesional
adhesions
adhesive
adhesive's
adhesively
adhesivemeter
adhesiveness
adhesives
adhibit
adhibited
adhibiting
adhibition
adhibits
adhocracy
adhort
adiabat
adiabatic
adiabatically
adiabolist
adiactinic
adiadochokinesia
adiadochokinesis
adiadokokinesi
adiadokokinesia
adiagnostic
adiamorphic
adiamorphism
adiantiform
adiantum
adiaphanous
adiaphanousness
adiaphon
adiaphophon
adiaphora
adiaphoral
adiaphoresis
adiaphoretic
adiaphorism
adiaphorist
adiaphoristic
adiaphorite
adiaphoron
adiaphorous
adiaphory
adiapneustia
adiate
adiated
adiathermal
adiathermancy
adiathermanous
adiathermic
adiathetic
adiating
adilation
adibasi
adicity
adience
adient
adieu
adieus
adieux
adighe
adight
adigranth
adinidan
adinole
adinvention
adion
adios
adipate
adipescent
adiphenine
adipic
adipinic
adipocele
adipocellulose
adipocere
adipoceriform
adipocerite
adipocerous
adipocyte
adipofibroma
adipogenic
adipogenous
adipoid
adipolysis
adipolytic
adipoma
adipomata
adipomatous
adipometer
adiponitrile
adipopectic
adipopexia
adipopexic
adipopexis
adipose
adiposeness
adiposes
adiposis
adiposities
adjourning
adjournment
adjournments
adjourns
adjoust
adjt
adjudge
adjudgeable
adjudged
adjudger
adjudges
adjudging
adjudgment
adjudicata
adjudicate
adjudicated
adjudicates
adjudicating
adjudication
adjudication's
adjudications
adjudicative
adjudicator
adjudicators
adjudicatory
adjudicature
adjugate
adjument
adjunct
adjunct's
adjunction
adjunctive
adjunctively
adjunctly
adjuncts
adjuration
adjurations
adjuratory
adjure
adjured
adjurer
adjurers
adjures
adjuring
adjuror
adjurors
adjust
adjustability
admass
admaxillary
admeasure
admeasured
admeasurement
admeasurer
admeasuring
admedial
admedian
admen
admensuration
admerveylle
admetus
admin
adminicle
adminicula
adminicular
adminiculary
adminiculate
adminiculation
adminiculum
administer
administered
administered
administering
administerings
administrers
administrable
administrant
administrants
administrate
administrated
administrates
administrating
administration
administration's
administrational
administrationist
administrations
administrative
administratively
administrator
administrator's
administrators
administratorship
administratress
administratrices
administratrix
adminstration
admirability
admirable
admireabilityness
admirably
admiral
admiral's
admirals
admiralship
admiralships
admiralties
admiralty
admiration
admirations
admirative
admiratively
admirator
admiere
admired
admiredly
admirer
admirers
admiere
admires
admiring
admiringly
admissability
admissible
admissable
admissibility
admissible
admissibleness
admissibly
admission
admission's
admissions
admissive
admissively
admissory
admit
admits
admittable
admittance
admittances
admittatur
admitted
admittedly

Open Source Used In CSPC_Collector 2.9.1 9738
admittee
admitter
admitters
admittible
admitting
admitty
admix
admixed
admixes
admixing
admixt
admixtion
admixture
admixtures
admonish
admonished
admonisher
admonishes
admonishing
admonishingly
admonishment
admonishment's
admonishments
admonition
admonition's
admonitioner
admonitionist
admonitions
admonitive
admonitively
admonitor
admonitorial
admonitorily
admonitory
admonitrix
admortization
admov
admove
admrx
adnascence
adnascent
adnate
adnation
adnations
adnephrine
adneral
adnescent
adneural
adoptable
adoptant
adoptative
adopted
adoptedly
adopteel
adopteelss
adopter
adopters
adoptian
adoptianism
adoptianist
adopting
adoption
adoption's
adoptional
adoptionalism
adoptionalist
adoptions
adoptious
adoptive
adoptively
adopts
ador
adorability
adorable
adorableness
adorably
adoral
adorally
adorant
adoration
adoratory
adore
adored
adorer
adorers
adores
adoring
adoringly
adorn
adornment
adornment
adornment's
adornments
adorno
adornos
adorns
adorsed
ados
adosculation
adossed
adossee
adoulie
adown
adoxaceous
adoxies
adoxography
adoxy
adoze
adp
adpao
adposition
adpress
adpromise
adpromission
adpromissor
adrad
adradial
adradially
adradius
adread
adream
adreamed
adreamt
adrectal
adrenal
adrenalcortical
adrenalectomies
adrenalectomize
adrenalectomized
adrenalectomizing
adrenalectomy
adrenalin
adrenaline
adrenalize
adrenally
adrenalone
adrenals
adrench
adrenergic
adrenin
adrenine
adrenitis
adreno
adrenochrome
adrenocortical
adrenocorticosteroid
adrenocorticotropic
adrenolysis
adrenolytic
adrenomedullary
adrenosterone
adrenotrophin
adrenotropic
adrent
adret
adriatic
adrift
adrip
adrogate
adroit
adroiter
adroitest
adroitly
adroitness
adroop
adrop
adroostal
adrostral
adrowse
adrue
adry
ads
adsbud
adscendent
adscititious
adscitiously
adscript
adscripted
adscription
adscriptitious
adscriptitive
adscripts
adsessor
adsheart
adsignification
aduncous
adure
adurent
adusk
adust
adustion
adustiosis
adustive
adv
advance
advanceable
advanced
advancedness
advancement
advancement's
advancements
advancer
advancers
advances
advancing
advancingly
advancive
advantage
advantaged
advantageous
advantageously
advantageousness
advantages
advantaging
advect
advected
advecting
advection
advectitious
advective
advects
advehent
advena
advenae
advene
advencience
advenient
advent
advential
adventism
adventist
adventists
adventitia
adventitial
adventitious
adventitiously
adventitiousness
adventive
adventively
adventry
ad vents
ad ventual
ad venture
ad ventured
ad ventureful
ad venturement
ad venturer
ad venturers
ad ventures
ad ventureship
ad venturesome
ad venture somely
ad venturesomeness
ad venturesomes
ad venturess
ad venturesses
ad venturing
ad venturish
ad venturism
ad venturist
ad venturistic
ad venturous
ad venturously
ad venturousness
adverb
adverb's
adverbial
adverbiality
adverbialize
adverbially
adverbiation
adverbless
adverbs
adversa
adversant
adversaria
adversarial
adversaries
adversariness
adversarious
adversary
aedilic
aedilitian
aedilities
aedility
aedine
aedoeagi
aedoeagus
aedoeology
aefald
aefaldness
aefaldy
aefauld
aegagri
aegagropila
aegagropilae
aegagropile
aegagropiles
aegagrus
aegean
aegemony
aeger
aegerian
aegeriid
aegicrania
aegilops
aegir
aegirine
aegirinolite
aegirite
aegis
aegises
aegisthus
aegithognathism
aegithognathous
aegophony
aegritude
aegrotant
aegrotat
aegyptilla
aegyrite
aeipathy
aeipodic
aeiroid
aelurophobe
aelurophobia
aeluropodous
aenach
aenean
aeneas
aeneid
aeneolithic
aeneous
aeneus
aenigma
aenigmatite
aeolharmonica
aeolian
aeolic
aeolid
aeolight
aeolina
aeoline
aeolipile
aeolipyle
aeolist
aeolistic
aeolodicon
aeolodion
aeolomelodicon
aeolopantalon
aeolotropic
aeolotropism
aeolotropy
aeolsklavier
aeolus
aeon
aeonial
aeonian
aeonic
aeonicaeonist
aeonist
aeons
aepyornis
aeq
aequor
aequoreal
aequrorin
aequrorins
aer
aerage
aeraria
aerarian
aerarium
aerate
aerated
aerates
aerating
aeration
aerations
aerator
aerators
aerenchyma
aerenterectasia
aerial
aerial's
aerialist
aerialists
aeriality
aerially
aerialness
aerials
aeric
aerial
aerides
aerie
aered
aerier
aeries
aeriest
aerifaction
aeriferous
aerification
aerified
aerifies
aeriform
aerify
aerifying
aerily
aeriness
aero
aeroacoustic
aerobacter
aerobacteriological
aerobacteriologically
aerobacteriologist
aerobacteriology
aerobacters
aeroballistic
aeroballistics
aerobate
aerobated
aerobatic
aerobatics
aerobating
aerobe  
aerobee  
aerobes  
aerobia  
aerobian  
aerobic  
aerobically  
aerobics  
aerobiologic  
aerobiological  
aerobiologically  
aerobiologist  
aerobiology  
aerobion  
aerobiont  
aerobioscope  
aerobiosis  
aerbiotic  
aerobiologically  
aerobious  
aerobium  
aeroboot  
aerobranchiate  
aerobus  
aerocamera  
aerocar  
aerocartograph  
aerocartography  
aerocolpos  
aerocraft  
aerocurve  
aerocyst  
aerodermectasia  
aerodone  
aerodonetic  
aerodonetics  
aerodontalgia  
aerodontia  
aerodontic  
aerodrome  
aerodromes  
aerodromics  
aeroduct  
aerducts  
aerodynamic  
aerodynamical  
aerodynamically  
aerodynamicist
aerodynamics
aerodyne
aerodynes
aeroelastic
aeroelasticity
aeroelastics
aeroembolism
aeroenterectasia
aerofoil
aerofoils
aerogel
aerogels
aerogen
aerogene
aerogenes
aerogenesis
aerogenic
aerogenically
aerogenous
aerogeography
aerogeologist
aerogeology
aerognosy
aerogram
aerogramme
aerograms
aerograph
aerographer
aerographic
aerographical
aerographics
aerographies
aerography
aerogun
aerohydrodynamic
aerohydropathy
aerohydroplane
aerohydrotherapy
aerohydrous
aeroides
aerolite
aerolites
aerolith
aerolithology
aeroliths
aerolitic
aerolitics
aerologic
aerological
eaerologies
aerologist
aerologists
aerology
aeromaechanic
aeromagnetic
aeromancer
aeromancy
aeromantic
aeromarine
aeromechanic
aeromechanical
aeromechanics
aeromedical
aeromedicine
aerometeorograph
eaerometer
aerometric
aerometry
aeromotor
aeron
aeronat
aeronaut
aeronautic
aeronautical
aeronautically
aeronautics
aeronautism
aeronaunts
aeronef
aeroneurosis
aeronomer
aeronomic
aeronomical
aeronomics
aeronomies
aeronomist
aeronomy
aeropathy
aeropause
aeroperitoneum
aeroperitonitis
aerophagia
aerophagist
aerophagy
aerophage
aerophilatelic
aerophilatelist
aerophilately
aerophile
aerophilia
aerophilic
aerophilous
aerophobia
aerophobic
aerophone
aerophor
aerophore
aerophoto
aerophotography
aerophotos
aerophysical
aerophysicist
aerophysics
aerophyte
aeroplane
aeroplaner
aeroplanes
aeroplanist
aeroplankton
aeropleustic
aeroporotomy
aerpulse
aerosat
aerosats
aerosepsis
aeroscepsy
aeroscope
aeroscopic
aeroscopically
aeroscopy
aerose
aerosiderite
aerosiderolite
aerosinusitis
aerosol
aerosolization
aerosolize
aerosolized
aerosolizing
aerosols
aerospace
aerosphere
aerosporin
aerostat
aerostatic
aerostatical
aerostatics
aerostation
aerostats
aerosteam
aerotactic
aerotaxis
aerotechnical
aerotechnics
aerotherapeutics
aerotherapy
aerothermodynamic
aerothermodynamics
aerotonometer
aerotonometric
aerotonometry
aerotow
aerotropic
aerotropism
aeroview
aeroyacht
aeruginous
aerugo
aerugos
aery
aes
aesc
aeschylean
aeschylus
aeschynite
aeschnomenous
aesculaceous
aesculapian
aesculapius
aesculetin
aesculin
aesir
aesop
aesopian
aesthetic
aesthesia
aesthesics
aesthesis
aesthesodic
aesthete
aesthetes
aesthetic
aesthetic's
aesthetical
aesthetically
aesthetician
aestheticism
aestheticist
aestheticize
aesthetics
aesthiology
aesthophysiology
aestival
aestivate
aestivated
aestivates
aestivating
aestivation
aestivator
aestive
aestuary
aestuate
aestuation
aestuous
aesture
aestus
aet
aetat
aethalia
aenthaloid
aenthalium
aetheling
aetheogam
aetheogamic
aetheogamous
aether
aethereal
aethered
atheric
aethers
aethogen
aethon
aethrioscope
aetiogenic
aetiological
aetiologically
aetiologies
aetiological
aetiological
aetiology
aetiophyllin
aetiotropic
aetiotropically
aetites
aetosaur
aetosaurian
aettekees
aevia
aeviternal
aevum
af
aface
afaced
afacing
afaint
afar
afara
afars
atb
afd
afdecho
afear
afeard
afeared
afebrile
afer
afernan
afetal
aff
affa
affability
affable
affableness
affably
affabrous
affair
affair's
affaire
affaires
affairs
affaite
affamish
affatuate
affect
affectability
affectable
affectate
affectation
affectation's
affectationist
affectations
affected
affectedly
affectedness
afferter
affeetors
affectibility
affectible
affecting
affectingly
afection
afection's
affectional
affectonally
affectonate
affectonately
afectionateness
afectioned
affectonless
affectious
affective
affectively
affectivity
affectless
affectlessness
afferter
affects
affectual
affectum
affectuous
affectus
afseeble
affeer
affeerer
affeerment
affeeror
affeir
affenpinscher
affenspalte
affere
afferent
afferently
affettuoso
affettuosos
affiance
affrication
affricative
affriend
affright
affrighted
affrightedly
affrighter
affrightful
affrightfully
affrighting
affrightingly
affrightment
affrights
affront
affronted
affrontedly
affrontedness
affrontee
affronter
affronting
affrontingly
affrontingness
affrontive
affrontiveness
affrontment
affronts
affronty
aft
affuse
affusedaffusing
affusion
affusions
affy
affydavy
affying
afghan
afghanets
afghani
afghanis
afghanistan
afghans
afgod
afibrinogenemia
aficionada
aficionadas
aficionado
aficionados
afield
afright
afrikaans
afrikaner
afrit
afrite
afrits
afro
afront
afrormosia
afros
afrown
aft
aftaba
after
afteract
afterage
afterattack
afterband
afterbay
afterbeat
afterbirth
afterbirths
afterblow
afterbodies
afterbody
afterbrain
afterbreach
afterbreast
afterburner
afterburners
afterburning
aftercare
aftercareer
aftercast
aftercataract
aftercause
afterchance
afterchrome
afterchurch
afterclap
afterclause
aftercome
aftercomer
aftercoming
aftercooler
aftercost
aftercourse
aftercrop
aftercure
afterdamp
afterdate
afterdated
afterdays
afterdeal
afterdeath
afterdeck
afterdecks
afterdinner
afterdischarge
afterdrain
afterdrops
aftereffect
aftereffects
afterend
aftereye
afterfall
afterfame
afterfeed
afterfermentation
afterform
afterfriend
afterfruits
afterfuture
aftergame
aftergas
afterglide
afterglow
afterglows
aftergo
aftergood
aftergrass
aftergrave
aftergrief
aftergrind
aftergrowth
afterguard
afterguns
afterhand
afterharm
afterhatch
afterheat
afterhelp
afterhend
afterhold
afterhope
afterhours
afterimage
afterimages
afterimpression
afterings
afterking
afterknowledge
afterlife
afterlifetime
afterlight
afterlives
afterloss
afterlove
aftermark
aftermarket
aftermarriage
aftermass
aftermast
aftermath
aftermasts
aftermatter
aftermeal
aftermilk
aftermost
afternight
afternoon
afternoon's
afternoons
afternose
afternote
afteroar
afterpain
afterpains
afterpart
afterpast
afterpeak
afterpiece
afterplanting
afterplay
afterpotential
afterpressure
afterproof
afterrake
afterreckoning
afterrider
afterripening
afterroll
afters
afterschool
aftersend
aftersensation
aftershafth
aftershafted
aftershave
aftershaves
aftershine
aftership
aftershock
aftershocks
aftersong
aftersound
afterspeech
afterspring
afterstain
afterstate
afterstorm
afterstrain
afterstretch
afterstudy
aftersupper
afterswarm
afterswarming
afterswell
aftertan
aftertask
aftertaste
aftertastes
aftertax
afterthinker
afterthought
afterthoughted
afterthoughts
afterthrift
aftertime
aftertimes
aftertouch
aftertreatment
aftertrial
afterturn
aftervision
afterwale
afterwar
afterward
afterwards
afterwash
afterwhile
afterwisdom
afterwise
afterwit
afterwitted
afterword
afterwork
afterworking
afterworld
afterwort
afterwrath
afterwrist
afteryears
aftmost
aftosa
aftosas
aftward
aftwards
afunction
afunctional
afwillite
ag
aga
agabanee
agacant
agacante
agacella
agacerie
agad
agada
agadic
again
againbuy
againaysay
against
againstand
againward
agal
agalactia
agalactic
agalactous
agalawood
agalaxia
agalaxy
agalite
agalloch
agallochs
agallochum
agallop
agalma
agaricin
agaricine
agaricinic
agaricoid
agarics
agarita
agaroid
agarose
agaroses
agars
agarwal
agas
agasp
agast
agastric
agastreneur
agata
agate
agatelike
agates
agateware
agathin
agathism
agathist
agathodaemon
agathodaemonic
agathodemon
agathokakological
agathology
agatiforous
agatiformal
agatine
agatize
agatized
agatizes
agatizing
agatoid
agaty
agave
agaves
agavose
agaze
agazed
agba
agcy
age
ageable
aged
agentries
agentry
agents
agentship
ageometrical
ager
agerasia
ageratum
ageratums
agers
ages
aget
agete
ageusia
ageusic
ageustia
aggadic
aggelation
aggenerate
agger
aggerate
aggeration
aggerose
aggers
aggest
aggie
aggies
aggiornamenti
aggiornamento
agglomerant
agglomerate
agglomerated
agglomerates
agglomeratic
agglomerating
agglomeration
agglomeration
agglomerative
agglomerator
agglutinability
agglutinable
agglutinant
agglutinate
agglutinated
agglutinates
agglutinating
agglutination
agglutinationist
agglutinations
agglutinative
agglutinatively
agglutinator
agglutinin
agglutinins
agglutinize
agglutinogen
agglutinogenic
agglutinoid
agglutinoscope
agglutogenic
aggrace
aggradation
aggradational
aggrade
aggraded
aggrades
aggrading
aggrammatism
aggrandise
aggrandised
aggrandisement
aggrandiser
aggrandising
aggrandizable
aggrandize
aggrandized
aggrandizement
aggrandizements
aggrandizer
aggrandizers
aggrandizes
aggrandizing
agrate
aggravable
aggravate
aggravated
aggravates
aggravating
aggravatingly
aggravation
aggravations
aggravative
aggravator
aggregate
aggregable
aggregant
aggregate
agnates
agnathia
agnathic
agnathostomatous
agnathous
agnatic
agnatical
agnatically
agnation
agnations
agnean
agneau
agneaux
agnel
agnification
agnition
agnize
agnized
agnizes
agnizing
agnoiology
agnoites
agomen
agomens
agnomical
agomnia
agnostical
agnominal
agnomination
agnosia
agnosias
agnosis
agnostic
agnostic's
agnostical
agnostically
agnosticism
agnostics
agnosy
agnus
agnuses
ago
agog
agogue
agogic
agogics
agoho
agoing
agomensin
agomphiasis
agomphious
agomphosis
agon
agonal
agone
agones
agonia
agoniada
agoniadin
agoniatite
agonic
agonied
agonies
agonise
agonised
agonises
agonising
agonisingly
agonist
agonistarch
agonistic
agonistical
agonistically
agonistics
agonists
agonium
agonize
agonized
agonizedly
agonizer
agonizes
agonizing
agonizingly
agonizingness
agonothet
agonothete
agonothetic
agons
agony
agora
agorae
agoramania
agoranome
agoranomus
agoraphobia
agoraphobic
agoras
agorot
agoroth
agos
agostadero
agouara
agouta
agouti
agouties
agoutis
agouty
agpaite
agpaitic
agr
agrace
agrafe
agrafes
agraffe
agraffee
agraffes
agrah
agral
agramed
agrammaphasia
agrammatica
agrammatical
agrammatism
agrammatologia
agranulocyte
agranulocytosis
agranuloplastic
agrapha
agraphia
agraphias
agraphic
agraria
agarian
agrarianism
agrarianize
agarianly
agarians
agriver
agre
agreat
agreation
agreations
agree
agreeability
agrimony
agrimotor
agrin
agriological
agriologist
agriology
agrioid
agriot
agriotype
agrise
agrised
agrising
agrito
agritos
agroan
agrobacterium
agrobiologic
agrobiological
agrobiologically
agrobiologist
agrobiology
agrodolce
agrogeological
agrogeologically
agrogeology
agrologic
agrological
agrologically
agrologies
agrologist
agrology
agrom
agromania
agromyzid
agron
agronome
agronomial
agronomic
agronomical
agronomically
agronomics
agronomies
agronomist
agronomists
agronomy
agroof
agropes
agrosteral
agrosterol
agrostis
agrostogapher
agrostographic
agrostographical
agrostographies
agrostography
agrostologic
agrostological
agrostologist
agrostology
agrote
agrotechny
agrotpe
aground
agrufe
agruif
agrypnia
agrypniai
agrypniyas
agrypnode
agrypnotic
agsam
agt
agt
agubasic
agua
aguacate
aguada
aguador
aguaji
aguamas
aguamiel
aguara
aguardiente
aguavina
ague
ague-like
agueproof
agues
agueweed
agueweeds
aguey
aguglia
aguilarite
aguilarwood
aguilt
aguinaldo
ailurophobia
ailurophobic
ailweed
aim
aimable
aimak
aimara
aimed
aimer
aimers
aimful
aimfully
aiming
aimless
aimlessly
aimlessness
aims
aimworthiness
ain
ain't
ainaleh
aine
ainee
ainhum
ainoi
ains
ainsell
ainsells
aint
ainu
ainus
aioli
aiolis
aion
aional
air
airable
airampo
airan
airbag
airbags
airbill
airbills
airboat
airboats
airborn
airborne
airbound
airbrained
airbrasive
airbrick
airbrush
airbrushed
airbrushes
airbrushing
airburst
airbursts
airbus
airbuses
airbusses
aircheck
airchecks
aircoach
aircoaches
aircraft
aircraftman
aircraftmen
aircrafts
aircraftsman
aircraftsmen
aircraftswoman
aircraftswomen
aircraftwoman
aircrew
aircrewman
aircrews
aircrews
airdate
airdates
airdock
airdrome
airdromes
airdrop
airdropped
airdropping
airdrops
aire
aired
airedale
airedales
airer
airers
airest
airfare
airfares
airfield
airfield's
airfields
airflow
airflows
airfoil
airfoils
airframe
airframes
airfreight
airfreighter
airglow
airglows
airgraph
airgraphics
airhead
airheads
airier
airiest
airiferous
airified
airify
airily
airiness
airinesses
airing
airings
airish
airless
airlessly
airlessness
airlift
airlift's
airlifted
airlifting
airlifts
airlight
airlike
airline
airliner
airliners
airlines
airling
airlock
airlock's
airlocks
airmailed
airmailing
airmails
airman
airmanship
airmark
airmarker
airmass
airmen
airmobile
airmonger
airn
airns
airohydrogen
airometer
airpark
airparks
airphobia
airplane
airplane's
airplaned
airplaner
airplanes
airplaning
airplanist
airplay
airplays
airplot
airport
airport's
airports
airpost
airposts
airproof
airproofed
airproofing
airproofs
airs
airscape
airscapes
airscrew
airscrews
airshed
airsheds
airsheet
airship
airship's
airships
airsick
airsickness
airsome
airspace
airspaces
airspeed
airspeeds
airstream
airstrip
airstrip's
airstrips
air
aired
airth
airthed
airthing
airths
airtight
airtightly
airtightness
airtime
airtimes
airting
airts
airview
airward
airwards
airwash
airwave
airwaves
airway
airway's
airwaybill
airwayman
airways
airwise
airwoman
airwomen
airworthier
airworthiest
airworthiness
airworthy
airy
ais
aischrolatreia
aiseweedit
aisle
aisle
aired
aisleless
aisles
aisling
aisteoir
aistopod
ait
aitch
aitchbone
aitches
aitchless
aitchpiece
aitesis
aith
aithochroi
aitiology
aition
aitiotropic
aitis
aits
aiver
aivers
aivr
aiwain
aiwan
aizle
aizoaceous
ajaja
ajangle
ajar
ajari
ajava
ajax
ajee
ajenjo
ajhar
ajeimez
ajitter
ajiva
ajivas
ajivika
ajivika
ajog
ajoint
ajonjoli
ajoure
ajourse
ajowan
ajowans
ajuga
ajugas
ajutment
ak
aka
akaakai
akala
akalimba
akamai
akamatsu
akan
akaroa
akasa
akasha
akazga
akazgin
akazgine
akcheh
ake
akeake
akebi
aked
akee
akees
akehorne
akeki
akela
akelas
akeley
akemboll
akenbold
akene
akenes
akenobeite
akepiro
akepiros
aker
akerite
aketon
akey
akhara
akhoond
akahrot
akhund
akhundzada
akhyana
akia
akimbo
akin
akindle
akinesia
akinesic
akinesis
akinete
akinetic
aking
akkadian
akmite
akmudar
akmuddar
aknee
aknow
ako
akoasm
akoasma
akolouthia
akoluthia
akonge
akov
akpek
akra
akre
akroasis
akrochordite
akron
akroter
akroteria
akroterial
akroterion
akrteria
aktiebolag
aku
akuammin
akuammine
akule
akund
akvavit
akvavits
al
ala
alabama
alabamian
alabamians
alabamide
alabamine
alabandine
alabandite
alabarch
alabaster
alabastoi
alabastos
alabastra
alabastrian
alabastrine
alabastrites
alabastron
alabastrons
alabastrum
alabastrums
alablaster
alacha
alachah
alack
alackaday
alacran
alacreatine
alacreatinin
alacreatinine
alacrify
alacrionous
alacriously
alacrites
alacritous
alacrities
alacrity
alada
aladdin
alae
alagao
alagarto
alagau
alahee
alai
alaihi
alaite
alala
alalia
alalite
alaloi
alalonga
alalunga
alalus
alambique
alameda
alamedas
alamiqui
alamire
alamo
alamodality
alamode
alamodes
alamonti
alamort
alamos
alamosite
alamoth
alan
aland
alands
alane
alang
alange
alangin
alangine
alani
alanin
alanine
alanines
alanins
alannah
alans
alant
alantic
alantin
alantol
alantolactone
alantolic
alants
alanyl
alanyls
alap
alapa
alar
alares
alarge
alarm
alarmable
alarmclock
alarmed
alarmedly
alarming
alarmingly
alarmigness
alarmism
alarmisms
alarmist
alarmists
alarms
alarum
alarumed
alaruming
alarums
alary
alas
alasas
alaska
alaskaite
alaskan
alaskans
alaskas
alaskite
alastor
alastors
alastrim
alate
alated
alatern
alatermus
alation
alations
alaudine
alaund
alaunt
alay
alazor
alb
alba
albacea
albacora
albacore
albacores
albahaca
alban
albania
albanian
albanians
albanite
albany
albarco
albardine
albarelli
albarello
albarellos
albarium
albas
albspidin
albata
albatas
albation
albatross
albatrosses
albe
albedo
albedograph
albedometer
albedos
albee
albeit
alberca
albergatricc
alberge
alberghi
albergo
alberich
albert
alberta
albertin
albertite
alberttype
albertustaler
albertype
albescence
albescent
albespine
albespyne
albeston
albetad
albicans
albicant
albication
albicore
albicores
albiculi
albifloration
albificative
albified
albiflorous
albify
albifying
albigenses
albin
albinal
albumeniser
albumenising
albumenization
albumenize
albumenized
albumenizer
albumenizing
albumenoid
albumens
albumimeter
albumin
albuminate
albuminaturia
albuminiferous
albuminiform
albuminimeter
albuminimetry
albuminiparous
albuminise
albuminised
albuminising
albuminization
albuminize
albuminized
albuminizing
albuminocholia
albuminofibrin
albuminogenous
albuminoid
albuminoidal
albuminolysis
albuminometer
albuminometry
albuminone
albuminorrhea
albuminoscope
albuminose
albuminosis
albuminous
albuminousness
albumins
albuminuria
albuminuric
albuminuropobia
albumoid
albumoscope
albumose
albumoses
alchemical
alchemically
alchemies
alchemise
alchemised
alchemising
alchemist
alchemister
alchemistic
alchemistical
alchemistry
alchemists
alchemize
alchemized
alchemizing
alchemy
alchera
alcheringa
alchimy
alchitran
alchochoden
alchornea
alchymies
alchymy
alciabiades
alcid
alcidine
alcids
alcine
alclad
alcmene
alco
alcoate
alcogel
alcogene
alcoholate
alcohol
alcohol's
alcoholate
alcoholature
alcoholidom
alcoholemia
alcoholic
alcoholic's
alcoholicically
alcoholicity
alcoholics
alcoholimetre
alcoholisation
alcoholise
alcoholised
alcoholising
alcoholism
alcoholist
alcoholizable
alcoholization
alcoholize
alcoholized
alcoholizing
alcoholometer
alcoholmetric
alcoholomania
alcoholometer
alcoholometric
alcoholometrical
alcoholometry
alcoholophilia
alcohols
alcoholuria
alcoholysis
alcoholytic
alconde
alcothionic
alcoran
alcornoco
alcornoque
alcosol
alcove
alcove's
alcoved
alcoves
alcovinometer
alcumy
alcyon
alcyonacean
alcyonarian
alcyone
alcyonic
alcyoniform
alcyonium
alcyonoid
ald
aldamin
aldamine
aldane
alday
aldoketene
aldol
aldolase
aldolases
aldolization
aldolize
aldolized
aldolizing
aldols
aldononose
aldopentose
aldose
aldoses
aldoside
aldosterone
aldosteronism
aldoxime
aldrin
aldrins
ale
aleak
aleatoric
aleatory
alebench
aleberry
alebush
alec
alecithal
alecithic
alecize
aleconner
alecost
alecs
alectoria
alectoriae
alectoridine
alectorioid
alectoromachy
alectoromancy
alectoromorphous
alectoropodus
alectryomachy
alectryomancy
alectryon
alecup
alee
alef
alefnul
alefs
aleft
alefzero
alegar
alegars
aleger
alehoof
alehouse
alehouses
aleikoum
aleikum
aleiptes
aleiptic
aleknighth
alem
alemana
alemannic
alembic
alembicate
alembicated
alembics
alembroth
alemite
alemmal
alemonger
alen
alencon
alencons
alenge
alenget
alentours
alenu
aleph
alephs
alephzero
alepidote
alepine
alepole
alepot
alerce
alerion
alerse
alert
alerta
alerted
alertedly
alerter
alerters
alertest
alerting
alertly
alertness
alerts
ales
alesan
aleshot
alestage
aletap
aletaster
alethic
alethiologic
alethiological
alethiologist
alethiology
alethopteis
alethopteroid
alethoscope
aletocyte
allete
aleucaemic
aleucemic
aleukaemic
aleukemic
aleuritic
aleuromancy
aleurometer
aleuron
aleuronat
aleurone
aleurones
aleuronic
aleurons
aleuroscope
aleut
aleutian
aleutians
aleutite
alevin
alevins
alew
alewhap
alewife
alewives
alexander
alexanders
alexandria
alexandrian
alexadrine
alexadrines
alexandrite
alexia
alexias
alexic
alexin
alexine
alexines
alexinic
alexins
alexipharmacon
alexiphamacum
alexipharmonic
alexipharmaical
alexipyretic
alexiteric
alexiterical
aleyard
aleyrodid
alezan
alf
alfa
alfaje
alfaki
alfakis
alfalfa
alfalfas
alfaqi
alfaquin
alfaquins
alfaquis
alfarga
alfas
alfenide
alferes
alferez
alfet
alfilaria
alfileria
alfilerilla
alfilerillo
alfin
alfiona
alfione
alfoncino
alfonsin
alfonso
alforge
alforja
alforjas
alfred
alfresco
alfridaric
alfridary
alg
alga
algae
algaeicide
algaeological
algaeologist
algaeology
algaesthesia
algaesthesis
algal
algalia
algarad
algarde
algaroba
algarobas
algarot
algarroba
algarrobilla
algarrobin
algas
algate
algates
algazel
algebra
algebra's
algebraic
algebraical
algebraically
algebraist
algebraists
algebraization
algebraize
algebraized
algebraizing
algebras
algebrization
algedo
algedonic
algedonics
algefacient
algeria
algerian
algerians
algerienne
algerine
algerines
algerita
algerite
algesia
algesic
algesimeter
algesiometer
algesireceptor
algesis
algesthesis
algetic
algic
algicidal
algicide
algicides
algid
algidities
algidity
algidness
algiers
algific
algin
alginate
alginates
algine
alginic
algins
alginuresis
algiomuscular
algist
algivorous
algocyan
algodon
algodoncillo
algodonite
algoesthesiometer
algogenic
algoid
algol
algolagnia
algolagnic
algolagnist
algolagny
alia
aliamenta
alias
aliased
aliases
aliasing
alibangbang
alibi
alibi's
alibied
alibies
alibiing
alibility
alibis
alible
alican
alice
alichel
alicoche
alictisal
alicula
aliculae
alicyclic
alidad
alidada
alidade
alidades
alidads
alien
alien's
alienabilities
alienability
alienable
alienage
alienages
alienate
alienated
alienates
alienating
alienation
alienator
aliency
aliene
alienee
alienees
alienener
alieneners
aliptteria
aliquant
aliquid
aliquot
aliquots
alisanders
aliseptal
alish
alisier
alisma
alismaceeous
alismad
alismal
alismoid
aliso
alison
alisonite
alisos
alisp
alispheño
alispheñoid
alispheñoidal
alist
alit
alite
aliter
alitrunk
aliturgic
aliturgical
ality
aliunde
alive
aliveness
alives
alivincular
aliya
aliyah
aliyahaliyahs
aliyas
aliyos
aliyoth
alizarate
alizari
alizarin
alizarine
alizarins
aljama
aljamado
aljamia
aljamiado
aljamiah
aljoba
aljofaina
alk
alkahest
alkahestic
alkahestica
alkahestical
alkahests
alkalamide
alkalemia
alkalescence
alkalescency
alkalescent
alkali
alkali's
alkalic
alkalies
alkaliferous
alkalifiable
alkalified
alkalifies
alkalify
alkalifying
alkaligen
alkaligenous
alkalimeter
alkalimetric
alkalimetrical
alkalimetrically
alkalimetry
alkalin
alkaline
alkalinisation
alkalinise
alkalinised
alkalinising
alkalinities
alkalinity
alkalinization
alkalinize
alkalinized
alkalinizes
alkalinizing
alkalinuria
alkalis
alkalisable
alkalisation
alkalise
alkalised
alkaliser
alkalis
alkalising
alkalizable
alkalizate
alkalization
alkalize
alkalized
alkalizer
alkalizes
alkalizing
alkaloid
alkaloid's
alkaloidal
alkaloids
alkalometry
alkalosis
alkalous
alkamin
alkamine
alkanal
alkane
alkanes
alkanet
alkanethiol
alkanets
alkanna
alkannin
alkanol
alkapton
alkaptone
alkaptonuria
alkaptonuric
alkargen
alkarsin
alkarsine
alkatively
alkedavy
alkekengi
alkene
alkenes
alkkenna
alkenyl
alkermes
allalinite
allamonti
allamoth
allamotti
allan
allanite
allanites
allanitic
allantiasis
allantochorion
allantioic
allantoid
allantoidal
allantoidean
allantoides
allantoidian
allantoin
allantoinase
allantoinuria
allantois
allantoxaidin
allantaric
allargando
allassotonic
allative
allatrate
allay
allayed
allayer
allayers
allaying
allayment
allays
allbone
allecret
allect
allectory
allegata
allegate
allegation
allegation's
allegations
allegator
allegatum
allege
allegeable
alleged
allegedly
allelocatalytic
allelomorph
allelomorphic
allelomorphism
allelopathy
allelotropic
allelotropism
allelotropy
alleluia
alleluiah
alleluias
alleluiastic
alleluja
allelvia
allemand
allemande
allemandes
allemands
allemontite
allen
allendarly
allene
alleniate
allentando
allentato
aller
allergen
allergenic
allergenicity
allergens
allergia
allergic
allergies
allergin
allergins
allergist
allergists
allergology
allergy
allergy's
allerion
allesthesia
allethrin
alleve
alleviant
alleviate
alleviated
alleviater
allocating
allocation
allocations
allocator
allocator's
allocators
allocatur
allocheiria
allochetia
allochetite
allochezia
allochiral
allochirally
allochiria
allochlotophyll
allochroic
allochroite
allochromatic
allochroous
allochthon
allochthonous
allochthonic
allocinamic
alloclase
alloclasite
allocochick
allocrotonic
allocryptic
allocrotonous
allocate
allocation
allocutive
allocyanine
allod
allodelphite
allodesmism
allodge
allodia
allodial
allodialism
allodialist
allodiality
allodialy
allodian
allodiaries
allodiary
allodies
allodification
allodium
allods
allody
alloeosis
alloeostropha
alloeotic
alloerotic
alloerotism
allogamies
allogamous
allogamy
allogene
allogeneic
allogeneity
allogeneous
allogenic
allogenically
allograft
allographic
alloimmune
alloiogenisis
alloiometric
alloiometry
alloisomer
alloisomeric
alloisomerism
alloisomeric
alloisomerism
allokinesis
allokinetic
allokurtic
allolalia
allolalic
allomerism
allomerization
allomerize
allomerized
allomerizing
allomerous
allometric
allometry
allomorph
allomorphic
allomorphism
allomorphite
allomucic
allonge
allonges
allonomous
allonym
allonymous
allonymously
allonyms
alloo
allopalladium
allopatic
allopasthetically
allopatic
allopatically
allopatries
allopasthetist
allopats
allopathy
allopatic
allopatrially
allopatriy
allopelagic
allopinanid
allophanamide
allopianate
allopianates
allophane
allophanic
allophtite
allophone
allophones
allophonic
allophonically
allophore
allophyle
allophytian
allopholic
allophytoid
alloplasm
alloplasmatic
alloplasmic
alloplast
alloplastic
alloplasty
alloplody
allopolyploid
allopolyploidy
allopsychic
allopurinol
alloquial
alloquialism
alloquy
allorhythmia
allorrhythmia
allorrhythmic
allosaur
allose
allosematic
allosome
alosteric
alostERICally
alosyndesis
alosyndetic
allot
alloted
allotee
allotelluric
allotheism
allotheist
allotheistic
allothigene
allothigenetic
allothigenetically
allothigenic
allothigenous
allothimorph
allothimorphic
allothogenic
allothogenous
allotment
allotment's
allotments
allotransplant
allotransplantation
allotriodontia
allotriomorph
allotriomorphIC
allotriophagia
allotriophagy
allotriuria
allotrope
allotropes
allotrophic
allotropic
allotropical
allotropically
allotropicity
allotropies
allotropism
allotropize
allotropous
allotropy
allotrylic
allots
allottable
allotted
allottee
allottees
allotter
allotters
allottery
allotting
allotype
allotypes
allotypic
allotypical
allotypically
allotypies
allotypy
allower
allovers
allow
allowable
allowableness
allowably
allowance
allowance's
allowanced
allowances
allowancing
allowed
allowedly
allower
allowing
allows
alloxan
alloxanate
alloxanic
alloxans
alloxantin
alloxuraemia
alloxuremia
alloxuric
alloxy
alloxyproteic
alloy
alloy's
alloyage
alloyed
alloying
alloys
allozoooid
allround
alls
allseed
allseeds
allspice
allspices
althing
allthorn
altud
allude
alluded
alludes
alluding
allumette
allumine
alluminor
allurance
allure
allured
allurement
allurements
allurer
allurers
allures
alluring
alluringly
alluringness
allusion
allusion's
allusions
allusive
allusively
allusiveness
allusory
allutterly
alluvia
alluvial
alluvials
alluviate
alluviation
alluvio
alluvion
alluvions
alluvious
alluvium
alluviums
alluvivia
alluviviums
allwhere
allwhither
allwork
ally
allyc
allying
allyl
allylamine
allylate
allylation
allylene
allylic
allyls
allylthiourea
allyou
alma
almacantar
almacen
almacenista
almaciga
almacigo
almadia
almadie
almagest
almagests
almagra
almah
almahs
almain
almaine
almanac
almanac's
almanacs
almander
almandine
almandines
almandite
almanner
almas
alme
almeh
almehs
almehidena
almemar
almemars
almemor
almendro
almendon
almeries
almerite
almery
almes
almice
almicore
almight
almightily
almightiness
almighty
almique
almirah
almistry
almner
almners
almochoden
almocrebe
almogavar
almohad
almoign
almoin
almon
almonage
almond
almond's
almondlike
almonds
almondy
almoner
almoners
almonership
almoning
almonries
almonry
almose
almost
almous
alms
almsdeed
almsfolk
almsful
almsgiver
almsgiving
almshouse
almshouses
almsman
almsmen
almsmoney
almswoman
almswomen
almucantar
almuce
almuces
almud
almude
almudes
almuds
almuerzo
almug
almugs
almury
almuten
aln
alnage
alnager
alnagership
alnath
alnein
alnico
alnicas
alniresinol
alniviridol
alnoite
alnuin
alnus
alo
alocasia
alochia
alod
aloddia
alodia
alodial
alodialism
alodialist
alodiality
alodially
alodialty
alodian
alodiaries
alodiary
alodies
alodification
alodium
alody
aloe
aloed
aloedary
aloelike
aloemodin
aloeroot
aloes
aloesol
aloeswood
aloetic
aloetical
aloewood
aloft
alogia
alogian
alogical
alogically
alogism
alogotrophy
alogy
aloha
alohas
aloid
aloin
aloins
aloisiite
aloma
alomancy
alone
alonely
aloneness
along
alongships
alongshore
alongshoreman
alongside
alongst
aloof
aloofe
aloofly
aloofness
aloose
alop
alopathic
alopecia
alopecias
alopecic
alphabetiser
alphabetising
alphabetism
alphabetist
alphabetization
alphabetize
alphabetized
alphabetizer
alphabetizers
alphabetizes
alphabetizing
alphabetology
alphabets
alphabetic
alphameric
alphamerical
alphamerically
alphanumeric
alphanumerical
alphanumerically
alphanumerics
alphas
alphatoluic
alphenic
alpheus
alpin
alpitomancy
alpitomorphous
alpol
alphonsin
alphonsine
alphorn
alphorns
alphos
alphosis
alphosises
alphy
alphyrs
alphy
alphy
alpine
alpinely
alpinery
alpines
alpinesque
alpinia
alpinism
alpinisms
altazimuth
alter
alterability
alterable
alterableness
alterably
alterant
alterants
alterate
alteration
alteration's
alterations
alterative
alteratively
altercate
altercated
altercating
altercation
altercation's
altercations
altercative
altered
alteregoism
alteregoistic
alterer
alterers
altering
alterity
alterius
alterman
altern
alternacy
alternamente
alternance
alternant
alternariose
alternat
alternate
alternated
alternately
alternateness
alternater
alternates
alternating
alternatingly
alternation
alternationist
alternations
alingiaceous
altininck
altiplanicie
altiplano
altiscope
altisonant
altisonous
altissimo
altitonant
altitude
altitudes
altitudinal
altitudinarian
altitudinous
alto
alto's
altocumulus
altogether
altogetherness
altoist
altimeter
altos
altostratus
altoun
altrices
altricial
altropathy
altrose
altruism
altruism
altruistic
altruistically
altruists
alts
altschin
altumal
altun
alture
altus
aludel
aludels
alula
alulae
alular
alulet
alum
alumbloom
alumnae
alumnal
alumni
alumniate
alumnus
alumhydrocalcite
alumroot
alumroots
alums
alumstone
alundum
aluniferous
alunite
alunites
alunogen
alupag
alure
alurgite
alushtite
aluta
alutaceous
alvar
alvearies
alvearium
alveary
alveated
alvelos
alveloz
alveola
alveolae
alveolar
alveolariform
alveolarly
alveolars
alveolary
alveolate
alveolated
alveolation
alveole
alveolectomy
alveoli
alveoliform
alveolite
alveolitis
alveoloclasia
alveolocondylean
alveolodental
alveololabial
alveololingual
alveolonasal
alveolosubnasal
alveolotomy
alveolus
alveus
alvia
alviducous
alvine
alvite
alvus
alw
alway
always
alwise
alwite
aly
alycompaine
alympnia
alymphopotent
alypin
alypine
alypum
alysson
alyssum
alyssums
alytarch
alzheimer
am
ama
amaas
amabile
amability
amable
amacratic
amacrinal
amacrine
amadan
amadavat
amadavats
amadelphous
amadou
amadous
amaga
amah
amahs
amain
amaine
amaist
amaister
amakebe
amal
amala
amalaita
amalaka
amalekite
amalett
amalg
amalgam
amalgam's
amalgamable
amalgamate
amalgamated
amalgamater
amalgamates
amalgamating
amalgamation
amalgamationist
amalgamations
amalgamative
amalgamatize
amalgamator
amalgamators
amalgamist
amalgamationization
amalgamize
amalgams
amalic
amaltas
amamau
amande
amandin
amandine
amang
amani
amania
amanita
amanitas
amanitin
amanitine
amanitins
amanori
amanous
aman
amantadine
amante
amantillo
amanuenses
amanuensis
amapa
amar
amaracus
amarant
amarantaceous
amaranth
amaranthaceous
amaranthine
amaranthoid
amaranth
amarantine
amarantine
amarele
amareles
amarettos
amarevole
amargosa
amargoso
amargosos
amarillo
amarillos
amarin
amarine
amaritude
amarity
amarna
amaroid
amaroidal
amarthritic
amarem
amaryllid
amaryllidaceous
amaryllideous
amaryllis
amaryllises
amas
amasesis
amass
amassable
amassed
amasser
amassers
amasses
amassette
amassing
amassment
amassments
amastrhenic
amastria
amastry
amate
amated
amaterialistic
amateur
amateur's
amateurish
amateurishly
amateurishness
amateurism
amateurs
amateurship
amathophobia
amati
amatungula
amaurosis
amaurotic
amaut
amaxomania
amay
amaze
amazed
amazedly
amazedness
amazeful
amazement
amazer
amazers
amazes
amazia
amazing
amazingly
amazon
amazon's
amazonian
amazonite
amazons
amazonstone
amb
amba
ambach
ambage
ambages
ambagiosity
ambagious
ambagiously
ambagiousness
ambagitory
ambalam
amban
ambar
ambaree
ambarella
ambari
ambaries
ambaris
ambary
ambas
ambash
ambassade
ambassador
ambassador's
ambassadorial
ambassadorially
ambassadors
ambassadorship
ambassadorships
ambassadress
ambassage
ambassiate
ambassy
ambatch
ambatoarinite
ambay
ambe
ambeer
ambeers
ambilaterality
ambilaterally
ambilevous
ambilian
ambilogy
ambiopia
ambiparous
ambisextrous
ambisexual
ambisexualities
ambisexuality
ambisinister
ambisinistrous
ambisporangiate
ambisyllabic
ambit
ambital
ambitendencies
ambitendency
ambitendent
ambition
ambition's
ambitioned
ambitioning
ambitioner
ambitionless
ambitionlessly
ambitions
ambitious
ambitiously
ambitiousness
ambits
ambitty
ambitus
ambivalence
ambivalency
ambivalent
ambivalently
ambiversion
ambiversive
ambivert
ambiverts
amble
ambled
ambleocarpus
abler
amblers
ambles
ambrosia
ambrosiac
ambrosiaceous
ambrosial
ambrosially
ambrosian
ambrosias
ambrosiate
ambrosin
ambrosine
ambrosterol
ambrotype
ambry
ambysace
ambysaces
ambulacra
ambulacral
ambulacriform
ambulacrum
ambulance
ambulance's
ambulsed
ambulancer
ambulances
ambulancing
ambulant
ambulate
ambulated
ambulates
ambulating
ambulatio
ambulation
ambulative
ambulator
ambulatoria
ambulatorial
ambulatories
ambulatorily
ambulatorium
ambulatoriums
ambulators
ambulatory
ambulia
ambuling
ambulomancy
amburbial
ambury
ambuscade
ambuscaded
ambuscader
ambuscades
ambuscading
ambuscado
ambuscadoed
ambuscados
ambush
ambushed
ambusher
ambushers
ambushes
ambushing
ambushlike
ambushment
ambustion
amchoor
amdahl
amdt
ame
ameba
amebae
ameban
amebas
amebean
amebian
amebiasis
amebic
amebicidal
amebicide
amebid
amebiform
amebobacter
amebocyte
ameboid
ameboidism
amebous
amebula
ameed
ameen
ameer
ameerate
ameerates
ameers
ameiosis
ameiotic
amel
amelanchier
ameland
amelcorn
amelcorns
amelet
amelia
amelification
ameliorable
ameliorableness
ameliorant
ameliorate
ameliorated
ameliorates
ameliorating
amelioration
ameliorations
ameliorativ
ameliorative
amelioratively
ameliorator
amelioratory
amellus
ameloblast
ameloblastic
amelu
amelu
amen
amenability
amenable
amenableness
amenably
amenage
amenance
amend
amendable
amendableness
amendatory
amende
amended
amender
amenders
amending
amendment
amendment's
amendments
amends
amene
amenia
amenities
amenity
amenorrhea
amenorrheal
amenorrheic
amenorrhoea
amenorrhoeal
amenorrhoeic
amen
ament
amenta
amentaceous
amental
amentia
amentias
amentiferous
amentiform
aments
amentula
amentulum
amentum
amenty
amenuse
amerce
amerceable
amerced
amercement
amercements
amercer
amercers
amerces
amerceable
amerciament
amercing
america
america's
american
american's
americana
americanism
americanisms
americanist
americanization
americanize
americanized
americanizes
americanizing
americans
americanum
americanumancestors
americas
americium
amerikani
amerind
amerindian
amerindians
amerinds
amerism
ameristic
amerveil
amesace
amesaces
amesite
amess
ametabola
ametabole
ametabolia
ametobolian
ametabolic
ametabolism
ametabolous
ametaboly
ametallous
ametodical
ametodically
amethyst
amethystine
amethystlike
amethysts
ametoecious
ametria
ametrometer
ametrope
ametropia
ametropic
ametrous
amex
angarn
amhar
amharic
amherstite
amhran
ami
amia
amiability
amiable
amiableness
amiably
amiant
amiant
amianth
amianthiform
amianthine
amianthoid
amianthoidal
amianthus
amiantus
amiantuses
amias
amic
amicabilities
amicability
amicable
amicableness
amicably
amical
amice
amiced
amices
amici
amicicide
amicous
amicrobic
amicron
amicronucleate
amicus
amid
amidase
amidases
amidate
amidated
amidating
amidation
amide
amides
amidic
amidid
amidine
amidins
amidmost
amido
amidoacetal
amidoacetic
amidoacetophenone
amidoaldehyde
amidoazo
amidoazobenzene
amidoazobenzol
amidocaffeine
amidocapric
amidocyanogen
amidofluorid
amidofluoride
amidogen
amidogens
amidoguaiacol
amidohexose
amidoketone
amidol
amidols
amidomyelin
amidon
amidone
amidophenol
amidophosphoric
amidoplast
amidoplastid
amidopyrine
amidosuccinamic
amidosulphonal
amidothiazole
amidoxime
amidoxy
amidoxyl
amidrazone
amids
amidship
amidships
amidst
amidstream
amidulin
amidward
amie
amies
amiga
amigas
amigo
amigos
amil
amildar
amimia
amimide
amin
aminase
amine
amines
aminic
aminest
aminities
aminity
aminization
aminize
amino
aminoacetal
aminoacetanilide
aminoacetic
aminoacetone
aminoacetophenidine
aminoacetophenone
aminoacidemia
aminoaciduria
aminoanthraquinone
aminoazobenzene
aminobarbituric
aminobenzaldehyde
aminobenzenamide
aminobenzene
aminobenzine
aminobenzoic
aminopropionic
aminopropionic
aminodiphenyl
aminoglutaric
aminoguanidine
aminoid
aminoketone
aminolipin
aminolysis
aminolytic
aminomalonic
aminomyelin
aminopeptidase
aminophenol
aminopherase
aminophylline
aminoplast
aminoplastic
aminopolypeptidase
aminopropionic
aminopurine
aminopyrine
aminquin
aminoquinoline
aminosis
aminosuccinamic
aminosulphonic
aminothiophen
aminotransferase
aminotriazole
aminovaleric
aminoxylol
amins
amir
amiral
amirate
amirates
amiray
amire
amirs
amirship
amis
amish
amiss
amissibility
amissible
amissing
amission
amissness
amit
amitate
amitie
amities
amitoses
amitosis
amitotic
ammonals
ammonate
ammonation
ammonia
ammoniac
ammoniacal
ammoniacs
ammoniacum
ammoniaemia
ammonias
ammoniate
ammoniated
ammoniating
ammoniation
ammonic
ammonical
ammoniemia
ammonification
ammonified
ammonifier
ammonifies
ammonify
ammonifying
ammoniojarosite
ammonion
ammonionitrate
ammonite
ammonites
ammonitic
ammoniticone
ammonitiferous
ammonitoid
ammonium
ammoniums
ammoniuret
ammoniureted
ammoniuria
ammonization
ammono
ammonobasic
ammonocarbonic
ammonocarbonous
ammonoid
ammonoidean
ammonoids
ammonolitic
ammonolyses
ammonolysis
ammonolytic
ammonolyze
ammonolyzed
ammonolyzing
ammophilous
ammoresinol
ammoreslinol
ammos
ammotherapy
ammu
ammunition
amn't
annemonic
amnesia
amnesiac
amnesiacs
amnesias
amnesic
amnesics
amnestic
amnestied
amnesties
amnesty
amnesting
amnia
amniac
amniatic
amnic
amnina
amninations
amnioallantoic
amniocentesis
amniochorial
amnioclepsis
amniomancy
amnion
amnionate
amnionia
amnionic
amnions
amniorrhea
amnios
amniota
amniote
amniotes
amniotic
amniotin
amniotitis
amniotome
amobarbital
amober
amobyr
amoeba
amoeba's
amoebae
amoebae's
amoebaean
amoebaeum
amoebalike
amoeban
amoebas
amoebbean
amoebbeum
amoebian
amoebiasis
amoebic
amoebicidal
amoebicide
amoebid
amoebiform
amoebocyte
amoeboid
amoeboidism
amoebous
amoebula
amoibite
amoinder
amok
amoke
amoks
amoile
amoile
amolilla
amolish
amollish
amomal
amomum
among
amongst
amontillado
amontillados
amor
amora
amorado
amoraic
amoraim
amoral
amoralism
amoralist
amorality
amoralize
amorally
amoret
amoretti
amoretto
amorettos
amorini
amorino
amorism
amorist
amoristic
amorists
amorite
amornings
amorosa
amorosity
amoroso
amorous
amoriously
amorousness
amorph
amorpha
amorphi
amorphia
amorphic
amorphinism
amorphism
amorphophyte
amorphotae
amorphous
amorphously
amorphousness
amorphozaa
amorphus
amorphy
amort
amortisable
amortise
amortised
amortises
amortising
amortissement
amortisseur
amortizable
amphibolic
amphibolies
amphiboliferous
amphiboline
amphibolite
amphibolitic
amphibological
amphibologically
amphibologies
amphibologism
amphibology
amphibolostyloous
amphibolous
amphiboly
amphibrach
amphibrachic
amphibryous
amphicarpia
amphicarpic
amphicarpium
amphicarpogenous
amphicarpous
amphicarpus
amphicentric
amphichroic
amphichrom
amphichromatic
amphichrome
amphichromy
amphicoelian
amphicoelous
amphicome
amphicondyloous
amphicrania
amphicreatinine
amphicribral
amphictyon
amphictyonian
amphictyonic
amphictyonies
amphictyons
amphictyony
amphicytic
amphicyrtous
amphicytula
amphid
amphide
amphidesmous
amphidetic
amphidiarthrosis
amphidiploid
amphidiploidy
amphidisc
amphidiscophoran
amphidisk
amphidromia
amphidromic
amphierotic
amphierotism
amphigaean
amphigam
amphigamous
amphigastria
amphigastrium
amphigastrula
amphigean
amphigen
amphigene
amphigenesis
amphigenetic
amphigenous
amphigenously
amphigonia
amphigonic
amphigonium
amphigous
amphigony
amphigoric
amphigories
amphigory
amphigouri
amphigouris
amphikaryon
amphikaryotic
amphikaryotic
amphilogy
amphimacer
amphimictic
amphimictical
amphimictically
amphimixes
amphimixis
amphimorula
amphimorulae
amphineurous
amphinucleus
amphion
amphioxi
amphiosis
amphioxus
amphioxuses
amphipeptone
amphiphithyra
amphiphloic
amphiplatyan
amphiploid
amphiplody
amphipneust
amphipneustic
amhipod
amhipoda
amhipodal
amhipodan
amhipodiform
amhipodous
amhipods
amhiprostyle
amhiproptic
amhipyrenin
amphirhinal
amphirhine
amphisarca
amphisbaena
amphisbaenae
amphisbaenas
amphisbaenian
amphisbaenic
amphisbaenid
amphisbaenoid
amphisbaenous
amphiscians
amphiscii
amphispermous
amphisporangiate
amphispor
amphistomatic
amphistome
amphistomoid
amphistomous
amphistylar
amphistylic
amphistyle
amphitene
amphithalami
amphithalamus
amphithalmi
amphitheater
amphitheater's
amphitheatered
amphitheaters
amphitheatral
amphitheatre
amphitheatric
amphitheatrical
amphitheatrically
amphitheccia
amphitheccia
amphithecial
amphithecium
amphithect
amphithere
amphithura
amphithuron
amphithurons
amphithurthura
amphithyra
amphithyron
amphithyrons
amphitokal
amphitokous
amphitoky
amphitriaene
amphitricha
amphitrichate
amphitrichous
amphitrite
amphitron
amphitropical
amphitropous
amphitryon
amphiuna
amphivasal
amphivorous
amphodarch
amphodelite
amphodiplopia
amphogenic
amphogenous
amphogeny
ampholyte
ampholytic
amphopeptone
amphophil
amphophile
amphophilic
amphophilous
amphora
amphorae
amphoral
amphoras
amphore
amphorette
amphoric
amphoricity
amphoriloquy
amphoriskoi
amphoriskos
amphorophony
amphorous
amphoteric
amphotericin
ampicillin
ampitheater
ample
amplect
amplectant
ampleness
ampler
amplest
amplex
amplexation
amplexicaudate
amplexicaul
amplexicauline
amplexifoliate
amplexus
amplexes
amplexuses
ampiliate
ampliation
ampliative
amplication
ampicative
amplidyne
amplifiable
amplificate
amplification
amplifications
amplificative
amplificator
amplificatory
amplified
amplifier
amplifiers
amplifies
amplify
amplifying
amplitude
amplitude's
amplitudes
amplitudinous
amply
amplolosity
ampongue
ampoule
ampoule's
ampoules
amps
ampul
ampulate
ampulated
ampulating
ampule
ampules
ampulla
ampullaceous
ampullae
ampullar
ampullary
ampullate
ampullated
ampulliform
ampullitis
ampullosity
ampullula
ampullulae
ampuls
amputate
amputated
amputates
amputating
amputation
amputational
amputations
amputative
amputator
amputee
amputees
amusers
amuses
amusette
amusia
amusias
amusing
amusingly
amusingness
amusive
amusively
amusiveness
amutter
amuyon
amuyong
amuze
amuzzle
amvis
amy
amyatonic
amyctic
amydon
amyelencephalia
amyelencephalic
amyelencephalous
amyelia
amyelic
amyelanic
amyelonic
amyelotrophy
amyelous
amygdal
amygdala
amygdalaceous
amygdalae
amygdalase
amygdalate
amygdale
amygdalectomy
amygdales
amygdalic
amygdaliferous
amygdaliform
amygdalin
amygdaline
amygdaline
amygdaline
amygdaline
amygdalitis
amygdaloid
amygdaloidal
amygdalolith
amygdaloncus
amygdalopathy
amygdalothripsis
amygdalotome
amygdalotomy
amygdonitrile
amygdophenin
amygdule
amygdules
amyl
amylaceous
amylamine
amylan
amylase
amylases
amylate
amylemia
amylene
amylenes
amylanol
amyllic
amylidene
amyliferous
amylin
amyl
amylcellulose
amylloclastic
amylcoagulase
amylodextrin
amylodyspepsia
amylogen
amylogenesis
amylogenic
amylogens
amylhydrolysis
amylhydrolytic
amylod
amylodidal
amylidoses
amylidosis
amyloids
amylulecule
amylolysis
amylolytic
amylom
amylome
amylometer
amylon
amylopectin
amylophagia
amylophosphate
amylophosphoric
amyloplast
amyloplastic
amyloplastid
amylopsase
amylopsin
amylose
amyloses
amylosis
amylosynthesis
amyls
amyllum
amylums
amyluria
amynodont
amyosthenia
amyosthenic
amyotaxia
amyotonia
amyotrophia
amyotrophic
amyotrophy
amyous
amyrin
amyris
amyrol
amyroot
amyxorrhea
amyxorrhoea
amzel
an
an’a
an’t
ana
anabaena
anabaenases
anabantid
anabaptism
anabaptist
anabaptist’s
anabaptists
anabaptize
anabaptized
anabaptizing
anacathartic
anacephalaeosis
anacephalize
anacharis
anachoret
anachorism
anachromasis
anachronic
anachronical
anachronically
anachronism
anachronism's
anachronismatical
anachronisms
anachronist
anachronistic
anachronistical
anachronistically
anachronize
anachronous
anachronously
anachueta
anacid
anacidity
anack
anacasis
anaclastic
anaclastics
anaclete
anacletica
anacleticum
anaclinal
anaclisis
anaclitic
anacoenoses
anacoenosis
anacolutha
anacoluthia
anacoluthic
anacoluthically
anacoluthon
anacoluthons
anacoluthha
anaconda
anacondas
anacoistic
anacreontic
anacrisis
anacrogynae
anacrogynous
anacromyodian
anacrotic
anacrotism
anacruses
anacusis
anacrustic
anacrustically
anaculture
anacusia
anacusic
anacusis
anadem
anadems
anadenia
anadesm
anadicrotic
anadicrotism
anadidymus
anadiplosis
anadipsia
anadipsic
anadrom
anadromous
anaematosis
anaemia
anaemias
anaemic
anaemotropy
anaeretic
anaerobation
anaerobe
anaerobes
anaerobia
anaerobian
anaerobic
anaerobically
anaerobies
anaerobion
anaerobiont
anaerobiosis
anaerobic
anaerobiotic
anaerobiologically
anaerobious
anaerobism
anaerobium
anaerophyte
anaeroplastic
anaeroplasty
anaesthetic
anaesthesia
anaesthesiant
anaesthesiologist
anaesthesiology
anaesthesia
anaesthetic
anaesthetically
anaesthetics
anaesthetist
anaesthetization
anaesthetize
anaesthetized
anaesthetizer
anaesthetizing
anaesthyl
anaetiological
anagalactic
anagap
anagenesis
anagenetic
anagenetical
anagennessis
anagep
anagignoskomena
anaglyph
anaglyphic
anaglyphical
anaglyphics
anaglyphoscope
anaglyphs
anaglyphy
anaglypta
anaglyptic
anaglyptical
anaglyptics
anaglyptograph
anaglyptographic
anaglyptography
anaglypton
anagnorises
anagnorisis
anagnost
anagnostes
anagoge
anagoges
anagogic
anagogical
anagogically
anagogics
anagogies
anagogy
anagram
anagram's
anagrammatic
anagrammatical
anagrammatically
anagrammatise
anagrammatised
anagrammatising
anagrammatism
anagrammatist
anagrammatization
anagrammatize
anagrammatized
anagrammatizing
anagrammed
anagramming
anagrams
anagraph
anagua
anagyrin
anagyrine
anahao
anahau
anaheim
anakinesis
anakinetic
anakinetomer
anakinetomeric
anakoluthia
anakrousis
anaktoron
anal
analabos
analogous
analav
analcime
analcimes
analcimic
analcimite
analcite
analcites
analcitite
analecta
analectic
analects
analemma
analemmas
analemmata
analemmatic
analepses
analepsis
analesy
analectic
analeptic
analeptical
analgen
analgene
analgesia
analgesic
analgesics
analgesis
analgesist
anletic
analga
analgsas
analgetic
analglize
analities
analty
analkalinity
anallagmatic
anallagmatic
anallantoic
anallantoidean
anallerigic
anally
analog
analoga
analogal
analogia
analogic
analogical
analogically
analogicalness
analogice
analogies
analogion
analogions
analogise
analogised
analogising
analogism
analogist
analogistic
analogize
analogized
analogizing
analogon
analogous
analogously
analogousness
analogs
analogue
analogue's
analogues
analogy
analogy's
alphabet
alphabete
alphabetic
alphabetical
alphabeticism
analysability
analysable
analysand
analysands
analysation
analyse
analysed
analyser
analysers
analyses
analyzing
analysis
analyst
analyst's
analysts
analysty
analytic
analytical
analytically
analyticities
analyticity
analytics
analytique
analyzability
analyzable
analyzation
analyze
ananthous
ananthropism
anonym
anonym
anapaest
anapaestic
anapaestical
anapaestically
anapaests
anapaganize
anapaite
anapanapa
anapeiratic
anapes
anapest
anapestic
anapestically
anapests
anaphalantiasis
anaphase
anaphases
anaphasic
anaphia
anaphora
anaphoral
anaphoras
anaphoria
anaphoric
anaphorical
anaphorically
anaphorically
anaphrodisia
anaphrodisiac
anaphroditic
anaphroditous
anaphylactic
anaphylactically
anaphylactically
anaphylactin
anaphylactogen
anaphylactogenic
anaphylactoid
anaphylatoxin
anaphylaxis
anaphyte
anaplasis
anaplasis
anaplasm
anaplasmoses
anaplasmosis
anaplastic
anaplasty
anapleroses
anaplerosis
anaplerotic
anapnea
anapneic
anapnoeic
anapnognath
anapnoic
anapnograph
anapnoic
anapodeictic
anapophysial
anapophysis
anapsid
anapsidian
anapterygote
anaptygotism
anaptygotous
anaptotic
anaptychi
anaptychus
anaptyctic
anaptyctica
anaptyxes
anaptyxis
anaqua
anarcestean
anarch
anarchal
anarchical
anarchically
anarchies
anarchism
anarchist
anarchist's
anarchistic
anarchists
anarchize
anarcho
anarchoidindividual
anarchosocialist
anarchosynical
anarchosyndicalist
anarchs
anarchy
anarcotin
anareta
anaretic
anaretical
anargyrooi
anargyros
anarithmia
anarthritis
anarthria
anarthric
anarthropod
anarthropodous
anarthrosis
anarthrous
anarthrously
anarthrousness
anartismos
anarya
anas
anasarca
anasarcas
anasarcous
anaschistic
anaseismic
anaspadias
anaspalin
anaspid
anastalsis
anastaltic
anastases
anastasimon
anastasimos
anastasis
anastate
anastatic
anastigmatic
anastomos
anastomose
anastomosed
anastomoses
anastomosing
anastomosis
anastomotic
anastrophe
anastrophy
anat
anatabine
anatomisable
anatomisation
anatomise
anatomised
anatomiser
anatomising
anatomism
anatomist
anatomists
anatomizable
anatomization
anatomize
anatomized
anatomizer
anatomizes
anatomizing
anatomopathologic
anatomopathological
anatomy
anatopism
anatosaurus
anatox
anatoxin
anatoxins
anatreptic
anatripsis
anatripsology
anatriptic
anatron
anatropal
anatropia
anatropous
anatta
anatto
anattos
anaudia
anaudic
anaunter
anaunters
anauxite
anaxagorean
anaxagorize
anaxial
anaximandrian
anaxon
anaxone
anay
anazoturia
anba
anbury
anc
ancestor
ancestor's
ancestorial
ancestorially
ancestors
ancestral
ancestrally
ancestress
ancestresses
ancestral
ancestrian
ancestries
ancestry
anchietin
anchietine
anchietic
anchietomineral
anchises
anchithere
anchitheriod
anchoic
anchor
anchorable
anchorage
anchorage's
anchorages
anchorate
anchored
anchorer
anchoress
anchoresses
anchoret
anchoretic
anchoretical
anchoretish
anchoretism
anchorets
anchorhold
anchoring
anchorite
anchorites
anchoritess
anchoritic
anchoritically
anchoritish
anchoritism
anchorless
anchorlike
anchorman
anchormen
anchors
anchorwise
anchory
anchoveta
anchovies
anchovy
anchusa
anchusas
anchusin
anchusine
anchusins
anchylose
anchylosed
anchylosing
anchylosis
anchylotic
ancien
ancience
anciency
anciennete
anciens
ancient
ancieter
anciент
ancientest
ancientism
anciently
ancientness
ancientry
ancients
anciency
ancile
ancilia
ancilla
ancillae
ancillaries
ancillary
ancillas
ancille
ancipital
ancipitous
ancistrocladaceous
ancistrodon
anders
anderson
anderun
andes
andesine
andesinite
andesite
andesites
andesitic
andesyte
andesyes
andia
anding
andirin
andirine
andiroba
andiron
andirons
andor
andorite
andoroba
andorra
andouille
andouillet
andouillette
andradite
andragogy
andranatomy
andrarchy
andre
andrena
andrenid
andrew
andrewartha
andrewsite
andrie
andrite
androcentric
androcephalous
androcephalum
androclcinia
androcles
androclinia
androclinium
androclus
androconia
androconium
androcracy
androcratic
androcyte
androdioecious
androdioecism
androdynamic
androecia
androecia
androecial
androecium
androgametangium
androgametophore
androgamone
androgen
androgenesis
androgenetic
androgenic
androgenous
androgens
androginous
androgone
androgonia
androgonial
androgonidium
androgonium
andrographolide
androgyne
androgyne
androgyneal
androgyne
androgyne
androgyne
androgyne
androgyne
androgyne
androgyne
androgyne
androgyne
android
androidal
androides
androids
androkinin
androl
androlepsia
androlepsy
andromache
andromachi
andromania
andromed
andromeda
andromedotoxin
andromonoecious
andromonoecism
andromorphous
andron
andronitis
andropetalar
andropetalous
androphagous
androphobia
androphonomania
androphore
androphorous
androphorum
androphyll
androsoeme
androsin
androsphinxes
androsphinxx
androsorantum
androsorum
androtomy
ands
andvari
ane
anead
anearding
aneards
aneath
anecdota
anecdotage
anecdotal
anecdotalism
anecdotalist
anecdotally
anecdote
anecdote's
anecdotes
anecdotic
anecdotical
anecdotically
anecdotist
anecdotists
anecdysis
anechoic
anelace
anelastic
anelasticity
anele
anelectric
an electrode
an electrotonic
an electrotonus
aneled
aneles
aneling
anelytrous
anematize
anematized
anematizing
anematosis
anemia
anemias
anemic
anemically
anemious
anemobiograph
anemochord
anemochore
anemochoric
anemochorous
anemoclastic
anemogram
anemograph
anemographic
anemographically
anemography
anemologic
anemological
anemology
anemometer
anemometer's
anemometers
anemometric
anemometrical
anemometrically
anemometrograph
anemometrographic
anemometrographically
anemometry
anemonal
anemone
anemones
anemonin
anemonol
anemony
anemopathy
anemophile
anemophilous
anemophily
anemoscope
anemoses
anemosis
anemotactic
anemotaxis
anemotropic
anemotropism
anencephalia
anencephalic
anencephalotrophia
anencephalous
anencephalus
anencephaly
anend
anenergia
anenst
anent
anenterous
anepia
anepigraphic
anepigraphous
ane pipoic
anepithymia
anerethisia
aneretic
anergia
anergias
anergic
anergies
anergy
anerly
aneroid
aneroidograph
aneroids
anerotic
anerythroplasia
anerythroplastic
anes
anesis
aneurysmal
aneurysmally
aneurysmatic
aneurysms
anew
anfeeld
anfract
anfractuose
anfractuosity
anfractuous
anfractuousness
anfracture
anga
angakok
angakoks
angakut
angaralite
angareb
angareeb
angarep
angaria
angarias
angariation
angaries
angary
angas
angekkok
angekok
angekut
angel
angel's
angelate
angeldom
angeleen
angeles
angelet
angeleyes
angelfish
angelfishes
angelhood
angelic
angelica
angelical
angelically
angelicalness
angelicas
angelicic
angelicize
anginal
anginas
anginiform
anginoid
anginophobia
anginose
anginous
angioasthenia
angioataxia
angioblast
angioblastic
angiocardiographic
angiocardiographies
angiocardiography
angiocarditis
angiocarp
angiocarpian
angiocarpic
angiocarpous
angiocarpic
angiocavernous
angiocholecystitis
angiocholitis
angiochondroma
angioclast
angiocyst
angiodermatitis
angiodiastasis
angioelephantiasis
angiofibroma
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibrotic
angiofibrosis
angiofibro
angiolipoma
angiolith
angiology
angiolymphitis
angiolymphoma
angioma
angiomalacia
angiomas
angiomata
angiomatosis
angiomatous
angiomegaly
angiometer
angiomyocardiac
angiomyoma
angiomyosarcoma
angioneoplasia
angioneurosis
angioneurotic
angionoma
angionosis
angioparalysis
angioparalytic
angioparesis
angipathy
angiophorous
angioplasty
angioplasy
angioplasm
angioplastic
angioplastic
angioplasia
angioplasia
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplastic
angioplas
anglican
anglicanism
anglicanisms
anglicans
anglice
anglicisation
anglicism
anglicisms
anglicist
anglicization
anglicize
anglicized
anglicizes
anglicizing
anglify
anglimaniac
angling
anglings
anglish
anglo
angloid
angloman
anglomania
anglophil
anglophile
anglophiles
anglophilia
anglophiliac
anglophilic
anglophilism
anglophily
anglophobe
anglophobes
anglophobia
anglophobic
anglos
ango
angoise
angola
angolan
angolans
angolar
angor
angora
angoras
angostura
angrier
angriest
angulinerved
angulodentate
angulometer
angulose
angulosity
angulosplenial
angulous
angulus
anguria
angus
anguses
angust
angustate
angustia
angusticlave
angustifoliate
angustifolious
angustirostrate
angustisellate
angustisephalic
angustiseptate
angustura
angwantibo
angwich
anhaematopoiesis
anhaematosisis
anhaemolytic
anhalamine
anhaline
anhalonidine
anhalonin
anhalonine
anhaloudine
anhang
anharmonic
anhedonia
anhedonic
anhedral
anhedron
anhelation
anhele
anhelose
anhelous
anhematopoiesis
anhematosis
anhemitonic
anhemolytic
anhidrosis
anhidrotic
anhima
anbinga
anbingas
anhistic
anhistous
anungered
anungry
anhyd
anhydraemia
anhydraemic
anhydrate
anhydrated
anhydrating
anhydration
anhydremia
anhydremic
anhydric
anhydride
anhydrides
anhydridization
anhydridize
anhydrite
anhydridization
anhydrize
anhydroglucose
anhydromyelia
anhydrosis
anhydrotic
anhydrous
anhydrously
anhydroxime
anhysteretic
ani
anicca
aniconic
aniconism
anicular
anicut
anidian
anidiomatic
anidiomatical
anidrosis
aniente
anientise
anigh
anight
anights
anil
anilao
anilau
anile
anileness
anilic
anilid
anilide
anilidic
anilidoxime
aniliid
anilin
anilinctus
aniline
anilines
anilingus
anilinism
anilino
anilinophile
anilinophilous
anilins
anilities
anility
anilla
anilopyrin
anilopyrine
anils
anim
anima
animability
animable
animableness
animacule
animadversal
animadversion
animadversional
animadversions
animadversive
animadversiveness
animadvert
animadverted
animadverter
animadverting
animadverts
animal
animal's
animala
animalcalcula
animalculae
animalcular
animalcule
animalcules
animalculine
animalculism
animalculist
animalculous
animalculum
animalhood
animalian
animalic
animalier
animalillio
animalisation
animalise
animalised
animalish
animalising
animalism
animalist
animalistic
animalities
animality
animalivore
animalivorous
animalization
animalize
animalized
animalizing
animallike
animally
animalness
animals
animando
animant
animas
animastic
animastical
animate
animate
animated
animatedly
animately
animateness
animater
animaters
animates
animating
animatingly
animation
animations
animatism
animatist
animatistic
animative
animato
animatograph
animator
animator's
animators
anime
animes
animetta
animi
animikite
animine
animis
animism
animisms
animist
animistic
animists
animize
animized
animo
animose
animoseness
animosities
animosity
animoso
animothicism
animous
animus
animuses
anion
anion's
anionic
anionically
anionics
anions
aniridia
anis
anisado
anisal
anisalcohol
anisaldehyde
anisaldoxime
anisamide
anisandrous
anisanilide
anisanthous
anisate
anisated
anischuria
anise
aniseed
aniseeds
aniseikonia
aniseikonic
aniselike
aniseroot
anises
anisette
anissetes
anisic
anisidin
anisidine
anisidino
anisil
anisilic
anisobranchiate
anisocarpic
anisocarpous
anisocereal
anisochromatic
anisochromia
anisocoria
anisocotyledonous
anisocotyly
anisocratic
anisocycle
anisocytosis
anisodactyl
anisodactyle
anisodactylic
anisodactylous
anisodont
anisogamete
anisogametes
anisogametic
anisogamic
anisogamous
anisogamy
anisogenous
anisogeny
anisognathism
anisognathous
anisogynous
anisoiconia
anisoin
anisokonia
anisol
anisole
anisoles
anisoleucocytosis
anisomelia
anisomelus
anisomeric
anisomerous
anisometric
anisometrope
anisometropia
anisometric
anisomyarian
anisomyodian
anisomyodous
anisopetalous
anisophyllous
anisophylly
anisopia
anisopleural
anisopleurous
anisopod
anisopodal
anisopodous
anisopogonous
anisopteran
anisopterous
anisosepalous
anisospore
anisostaminous
anisostemonous
anisosthenic
anisostichous
anisostomous
anisotonic
anisotropical
anisotropically
anisotropies
anisotropism
anisotropous
anisotropy
anisoyl
anisum
anisuria
anisyl
anisylidene
anither
anitinstitutionalism
anitos
anitrogenous
anjan
ankara
ankaramite
ankaratrite
ankee
anker
ankerhold
ankerite
ankerites
ankh
ankhs
ankle
ankle's
anklebone
anklebones
anklejack
ankles
anklet
anklets
anklong
anklung
ankus
ankuses
ankush
ankusha
ankushes
ankylenteron
ankyloblepharon
ankylocheilia
ankyloactylia
ankyloodontia
ankyloglossia
ankylolele
ankylomerism
ankylophobia
ankylopodia
ankylopoietic
ankyloproctia
ankylorrhinia
ankylos
ankylosaur
ankylosaurus
ankylose
ankylosed
ankyloses
ankylosing
ankylosing
ankylostoma
ankylostomiasis
ankylotia
ankylotic
ankylotome
ankylotomy
ankylurethria
ankyroid
anlace
anlaces
anlage
anlagen
anlages
anlas
anlases
anlaut
anlaute
anlet
anlia
anmia
ann
anna
annabergite
annal
annale
annalia
annaline
annalism
annalist
annalistic
annalistically
annalists
annalize
annals
annaly
annamese
annexment
annexure
anni
annicut
annidalin
annie
annihil
annihilability
annihilable
annihilate
annihilated
annihilates
annihilating
annihilation
annihilationism
annihilationist
annihilationistic
annihilationistical
annihilative
annihilator
annihilators
annihilatory
annist
annite
anniv
anniversalily
anniversaries
anniversarily
anniversariness
anniversary
anniversary's
anniverse
anno
annodated
annominate
annomination
annona
annonaceous
annonce
annot
annotate
annotated
annotater
annotates
annotating
annotation
annotations
annotative
annuities
annuity
annul
annular
annularity
annularly
annulary
annulata
annulate
annulated
annulately
annulation
annulations
annule
annuler
annulet
annulets
annulette
annuli
annulism
annullable
annullate
annullation
annulled
annuller
annulli
annulling
annulment
annulment's
annulments
annuloid
annuloida
annulosa
annulosan
annulose
annuls
annulus
annuluses
annum
annumerate
annunciable
annunciade
annunciate
annunciated
annunciates
annunciating
annunciation
annunciations
annunciative
annunciator
annunciators
annunciatory
annus
anoa
anoas
anobing
anocarpous
anocathartic
anociassociation
anociation
anocithesia
anococygeal
anodal
anodally
anode
anode's
anodendron
anodes
anodic
anodically
anodine
anodization
anodize
anodized
anodizes
anodizing
anodon
anodontia
anodos
anodyne
anodynes
anodynia
anodynamic
anodynous
anoegetic
anoesia
anoesis
anoestrous
anoestrum
anoestrum
anoestrus
anoeitic
anogenic
anogenital
anoia
anoil
anoine
anoint
anointed
anointer
anointers
anointing
anointment
anointments
anoints
anole
anoles
anoli
anolian
anolyte
anolytes
anomal
anomalies
anomaliflorous
anomaliped
anomalipod
anomalism
anomalist
anomalistic
anomalistical
anomalistically
anomaloccephalus
anomaloflorous
anomalognatous
anomalony
anomaloscope
anomalotrophy
anomalous
anomalously
anomalousness
anomature
anomaly
anomaly's
anomer
anomia
anomic
anomie
anomies
anomite
anomocarpous
anomodont
anomoeomery
anomophyllous
anomorrhomboid
anomorrhomboidal
anomouran
anomphalous
anomural
anomuran
anomurous
anomy
anon
anonaceous
anonad
anonang
anontillo
anonol
anonychia
anonym
anonyma
anonyme
anonymities
anonymity
anonymous
anonymously
anonymousness
anonyms
anonymuncule
anoopsea
anopseas
anoperineal
anophele
anopheles
anopheline
anophoria
anophthalmia
anophthalmos
anophyte
anopia
anopias
anopisthograph
anopisthographic
anopisthographically
anoploccephalic
anoplomeritean
anoplothere
anoplotherioid
anoplotheroid
anopluriform
anopsia
anopsias
anopsy
anopubic
anorak
anoraks
anorchi
anorchia
anorchism
anorchous
anorchus
anorectal
anorectic
anorectous
anoretic
anorexia
anorexiant
anorexias
anorexic
anorexics
anorexies
anorexigenic
anorexy
anorgana
anorganic
anorganism
anorganology
anormal
anormality
anorn
anorogenic
anorth
anorthic
anorthite
anorthitic
anorthitite
anorthoclase
anorthographic
anorthographical
anorthographically
anorthography
anorthophyre
anorthopia
anorthoscope
anorthoscope
anorthose
anorthosite
anoscope
anoscopcy
anosmatic
anosmia
anosmias
anosmic
open source used in CSPC_Collector 2.9.1 9923
anosognosia
anopsphrasis
anopsphresia
anospinal
anostosis
anoterite
another
another's
anotherguess
anotherkins
anotia
anotropia
anotta
anotto
anotus
anounou
anour
anoura
anoure
anourous
anova
anovesical
anovulant
anovular
anovulatory
anoxaemia
anoxaemic
anoxemia
anoxemias
anoxemic
anoxia
anoxias
anoxic
anoxidative
anoxybiosis
anoxybiotic
anoxyscope
anquera
anre
ans
ansa
ansae
ansar
ansarian
ansate
ansated
ansation
anschauung
antagonizable
antagonization
antagonize
antagonized
antagonizer
antagonizes
antagonizing
antagony
antal
antalgic
antalgics
antalgol
antalkali
antalkalies
antalkaline
antalkalis
antambulacral
antanasactic
ananaclasis
antanaclasis
antananagoge
antananemic
antapex
antapexes
antaphrodisiac
antaphroditic
antapices
antapocha
antapodosis
antapology
antapoplectic
antarala
antaranga
antarchist
antarchist
antarchistic
antarchistical
antarchy
antarctic
antarctica
antarctical
antarctically
antarces
antarctic
antarthritis
antas
antasphyctic
antasthenic
antasthmatic
antatrophic
antbird
antdom
ante
anteact
anteal
anteambulate
anteambulation
anteater
anteater's
anteaters
antebaptismal
antebath
antebellum
antebrachia
antibrachial
antebrachium
antebridal
antecabinet
antecaecal
antecardium
antecavern
antecedal
antecedaneous
antecedaneously
antecede
anteceded
antecedence
antecedency
antecedent
antecedent's
antecedental
antecedently
antecedents
antecedes
anteceding
antecell
antecessor
antechamber
antechambers
antechapel
antechoir
antechoirs
antechurch
anteclassical
antecloset
antecolic
antecommunion
anteconsonantal
antecornu
antecourt
antecoxal
antecubital
antecurvature
anted
antedate
antedated
antedates
antedating
antedawn
antediluvial
antediluvially
antediluvian
antedonin
antedorsal
anteed
antefact
antefebrie
antefix
antefixa
antefixal
antefixes
anteflected
anteflexed
anteflexion
antefurca
antefurcae
antefural
antefuture
antegarden
antegrade
antehall
antehistoric
antehuman
anthypophysis
anteing
anteinitial
antejentacular
antejudiciary
antejuramentum
antelabium
antelation
antelegal
antelocation
antelope
antelope's
antelopes
antelopian
antelope
antelopeine
antelucan
antelude
anteluminary
antemarginal
antemarital
antemask
antemedial
antemeridian
antemetallic
antemetic
antemillennial
antemingent
antemortal
antemortem
antemundane
antemural
antenarial
antenatal
antenatalitial
antenati
antenatus
antenave
antenna
antenna's
antennae
antennal
antennariid
antennary
antennas
antennate
antennifer
antenniferous
antenniform
antennula
antennular
antennulary
antennule
antenodal
antenoon
antenumber
antenuptial
anteoccupation
anteocular
anteopercle
anteoperculum
anteorbital
antepagment
antepagementa
antepagments
antepalatal
antepartum
antepaschal
antepaschel
antepast
antepasts
antepatriarchal
antepectoral
antepectus
antependia
antependium
antependiums
antepenuit
antepenult
antepenultima
antepenultimate
antepenulpts
antephialtic
antepileptic
antepirrhema
antepone
anteporch
anteport
anteportico
anteporticoes
anteporticos
anteposition
anteposthumous
anteprandial
antepredicament
antepredicamental
antepreterit
antepretonic
anteprohibition
anteprostate
anteprostatic
antepyretic
antequalm
antereforment
anterefornational
anteresurrection
anterethic
anterevolutional
anterevolutionary
antevenient
anteversion
antevert
anteverted
anteverting
anteverts
antevocalic
antewar
anthdia
anthecological
anthecologist
anthecology
anthela
anthelae
anthelia
anthelices
anthelion
anthelions
anthelix
anthelminthic
anthelmintic
anthem
anthem's
anthema
anthemas
anthemata
anthemed
anthemene
anthemia
antheming
anthemion
anthemis
anthems
anthemwise
anthemy
anther
antheral
antherid
antheridia
antheridial
antheridiophore
antheridium
antherids
antheriferous
antheriform
antherine
antherless
antherogenous
antheroid
antherozoid
antherozoidal
antherozooid
antherozooidal
anthers
antheses
anthesis
anthesterin
anthesterol
antheximeter
anthill
anthills
anthine
anthobian
anthobiology
anthocarp
anthocarpous
anthocephalous
anthocerote
anthochlor
anthochlorine
anthoclinium
anthocyan
anthocyanin
anthodiat
anthodium
anthoecological
anthoecologist
anthoecology
anthogenesis
anthogenetic
anthogenous
anthography
anthoid
anthokyan
anthol
antholite
anthological
anthologically
anthologies
anthologion
anthologise
anthologised
anthologising
anthologist
anthologists
anthologize
anthologized
anthologizer
anthologizes
anthologizing
anthology
antholysis
anthomania
anthomaniac
anthomedusan
anthomyiid
anthony
anthood
anthophagous
anthophagy
anthophile
anthophilian
anthophilous
anthophobia
anthophage
anthophorous
anthophyllite
anthophyllitic
anthophyte
anthorine
anthos
anthosiderite
anthotaxis
anthotaxy
anthotropic
anthotropic
anthoxanthin
anthozoa
anthozoan
anthozoic
anthozooid
anthozoan
anthracaemia
anthracemia
anthracene
anthraceniferous
anthraces
anthrachrysone
anthracia
anthracic
anthraciferous
anthracin
anthracite
anthracitic
anthracitiferous
anthracitious
anthracitism
anthracitization
anthracitous
anthracnose
anthracnosis
anthracoicide
anthracoid
anthracolithic
anthracomancy
anthracomartian
anthracometer
anthracometric
anthraconecrosis
anthraconite
anthracosilicosis
anthracosis
anthracothere
anthracotic
anthracoxen
anthracyl
anthradiol
anthradiquinone
anthraflavic
anthragallol
anthrahydroquinone
anthralin
anthramin
anthramine
anthranil
anthranilate
anthranilic
anthranol
anthranone
anthranoyl
anthranyl
anthraphenone
anthrapurpurin
anthrapyridine
anthraquinol
anthraquinone
anthraquinonyl
anthrarufin
anthrasilicosis
anthratetrol
anthrathiophene
anthratriol
anthrax
anthraxolite
anthraxylon
anthribid
anthropopobiological
anthroic
anthrol
anthrone
anthrop
anthrophore
anthropic
anthropical
anthropical
anthropobiologist
anthropobiology
anthropocentric
anthropocentrically
anthropocentricity
anthropocentrism
anthropoclimatologist
anthropoclimatology
anthropocosmic
anthropodeoxycholic
anthropogenesis
anthropogenetic
anthropogenic
anthropogenist
anthropogenous
anthropogeny
anthropogeous
anthropoglyph
anthropoglyphic
anthropographic
anthropographical
anthropography
anthropoid
anthropoidal
anthropoidea
anthropoidean
anthropoids
anthropol
anthropolater
anthropolatric
anthropolatry
anthropolite
anthropolith
anthropolithic
anthropolitic
anthropolologic
anthropological
anthropologically
anthropologies
anthropologist
anthropologist's
anthropologists
anthropology
anthropomancy
anthropomantic
anthropomantist
anthropometer
anthropometric
anthropometrical
anthropometrically
anthropometrist
anthropometry
anthropomophitism
anthropomorph
anthropomorphic
anthropomorphical
anthropomorphically
anthropomorphisation
anthropomorphise
anthropomorphised
anthropomorphising
anthropomorphism
anthropomorphisms
anthropomorphist
anthropomorphite
anthropomorphitic
anthropomorphitical
anthropomorphitism
anthropomorphization
anthropomorphize
anthropomorphized
anthropomorphizing
anthropomorphological
anthropomorphologically
anthropomorphology
anthropomorphosis
anthropomorphothist
anthropomorphous
anthropomorphously
anthroponomical
anthroponomics
anthroponomist
anthroponomy
anthroponym
anthropopathia
anthropopathic
anthropopathically
anthropopathism
anthropopathite
anthropopathy
anthropophagi
anthropophagic
anthropophagical
anthropophaginian
anthropophagism
anthropophagist
anthropophagistic
anthropophagist
anthropophagite
anthropophagize
anthropophagous
anthropophagously
anthropophagus
anthropophagy
anthropophilous
anthropophobia
anthropophuism
anthropophuistic
anthropophysiology
anthropophysite
anthropopsychic
anthropopsychism
anthroposcopy
anthroposociologist
anthroposociology
anthroposomatology
anthroposophic
anthroposophical
anthroposophist
anthroposophy
anthropoteleology
anthropoteleological
anthropotheism
anthropotheist
anthropotheistic
anthropotomical
anthropotomist
anthropotomy
anthropotoxin
anthropozoic
anthropurgic
anthroropolith
anthroxan
anthroxanic
anthryl
anthrylene
anththeridia
anthurium
anthypnotic
anthypophora
anthypophoretic
anti
antiabolitionist
antiaborution
antiabrasion
antiabrın
antiabsolutist
antiacid
antiadiaphorist
antiaditis
antiadministration
antiae
antiaesthetic
antiager
antiaggutininant
antiagglutinating
antiaggululation
antiaggulutnative
antiaggulutinin
antiagression
antiaggressionist
antiaggressive
antiaggressively
antiaggressiveness
antiaircraft
antialbumid
antialbumin
antialbunose
antialcoholic
antialcoholism
antialcoholist
antialdoxime
antialexin
antalien
antiamboceptor
antiamusement
antiamylase
antianaphylactogen
antianaphylaxis
antianarchic
antianarchist
antiangular
antiannexation
antiannexionist
antianophilic
antiannular
antiannexationist
antianthropocentric
antianthropomorphism
antiangioblast
antiangioblastic
antiangioid
antiangiography
antiangiogenic
antiangiogenesis
antiangiography
antiangiography
antiangiographic
antiangiographics
antiangiographically
antiangiomatic
antiangiometric
antiangiometry
antiangiogenous
antiangina
antianginal
antiangina
antiangular
antiangus
antiangus
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiangus
antiangular
antiangus
antiauxin
antibacchic
antibacchii
antibacchius
antibacterial
antibacteriolytic
antiballistic
antiballooner
antibalm
antibank
antibaryon
antibasilican
antibenzaldoxime
antiberiberin
antibias
antibibliolatry
antibigotry
antibilious
antibiont
antibiosis
antibiotic
antibiotically
antibiotics
antibishop
antiblack
antiblackism
antiblastic
antiblenorrhagic
antiblock
antiblue
antibodies
antibody
antiboss
antiboxing
antibrachial
antibreakage
antibridal
antibromic
antibubonic
antibug
antiburgher
antibusing
antic
antic's
antica
anticachetic
antical
anticalcimine
anticalculous
anticalligraphic
antically
anticamera
anticancer
anticancerous
anticapital
anticapitalism
anticapitalist
anticapitalistic
anticapitalistically
anticapitalists
anticar
anticardiac
anticardium
anticarious
anticarnivorous
anticaste
anticatalase
anticatalyst
anticatalytic
anticatalytically
anticatalyzer
anticatarrhal
anticathexis
anticathode
anticatholic
anticausotic
anticaustic
anticensorial
anticensorious
anticensoriously
anticensoriousness
anticensorship
anticentralism
anticentralist
anticentralization
anticephalalgic
anticeremonial
anticeremonialism
anticeremonialist
anticeremonially
anticeremonious
anticeremoniously
anticeremoniousness
antichamber
antichance
anticheater
antichlor
antichlorine
antichloristic
antichlorotic
anticholagogue
anticholinergic
anticholinesterase
antichoromanic
antichorus
antichreses
antichrosis
antichretic
antichrist
antichristian
antichristianism
antichristianity
antichristianly
antichrists
antichrome
antichronical
antichronically
antichronism
antichthon
antichthones
antichurch
antichurchian
antichymosin
anticipant
anticipatable
anticipate
anticipated
anticipates
anticipating
anticipatingly
anticipation
anticipations
anticipative
anticipatively
anticipator
anticipatorily
anticipators
anticipatory
anticity
anticivic
anticivil
anticivial
anticivism
anticize
antick
anticked
anticker
anticking
anticks
antickt
anticlactic
anticlassical
anticlassicalism
anticlassicalist
anticlassically
anticlassicalness
anticlassicism
anticlassicist
anticlastic
anticlergy
anticlerical
anticlericalism
anticlericalist
anticlimactic
anticlimactical
anticlimactically
anticlimax
anticlimaxes
anticlinal
anticline
anticlines
anticlinaria
anticlinorium
anticlinuria
anticlockwise
anticlogging
anticly
anticnemion
anticness
anticoagulan
anticoagulant
anticoagulants
anticoagulate
anticoagulating
anticoagulation
anticoagulative
anticoagulator
anticoagulin
anticondon
anticogitative
anticoincidence
anticold
anticolic
anticombination
anticomet
anticomment
anticommercial
anticommercialism
anticommercialist
anticommercialistic
anticommerciality
anticommercially
anticommercialness
anticommunism
anticommunist
anticommunistic
anticommunistical
anticommunistically
anticommunists
anticommutative
anticompetitive
anticomplement
anticomplementary
anticomplex
anticonceptionist
anticonductor
anticonfederationism
anticonfederationist
anticonfederative
anticonformist
anticonformities
anticonformity
anticonsience
anticonscription
anticonscriptive
anticonservatism
anticonservative
anticonservatively
anticonservativeness
anticonstitution
anticonstitutional
anticonstitutionalism
anticonstitutionalist
anticonstitutionally
anticontagion
anticontagionist
anticontagious
anticontagiously
anticontagiousness
anticonvellent
anticonvention
anticonventional
anticonventionalism
anticonventionalist
anticonventionally
anticonvulsant
anticonvulsive
anticor
anticorn
anticorona
anticorrosion
anticorrosive
anticorrosively
anticorrosiveness
anticorrosives
anticorset
anticosine
anticosmetic
anticosmetics
anticouncil
anticourt
anticourtier
anticous
anticovenanter
anticovenanting
anticreation
anticroational
anticroationalism
anticroationalist
anticroative
anticroatively
anticroativeness
anticroativity
anticroator
anticroep
anticroeper
anticroeping
anticropuscular
anticropuscule
anticrisis
anticritic
anticritical
anticritically
anticriticalness
anticritique
anticrochet
anticrotalic
anticryptic
anticryptically
antics
anticularia
anticult
anticum
anticus
anticyclic
anticyclical
anticyclically
anticyclogenesis
anticycloysis
anticyclone
anticyclones
anticyclonic
anticyclonically
anticyclic
anticynical
anticynically
anticynically
anticyclicity
anticytolysin
anticytotoxin
antidactyl
antidancing
antidecalogue
antideflation
antidemocracies
antidemocracy
antidemocrat
antidemocratic
antidemocratically
antidemoniac
antidepressant
antidepressants
antidepressive
antiderivative
antidotonant
antidetonating
antidiabetic
antidiastase
antidicomarianite
antidictionary
antidiffuser
antidinic
antidiphtheria
antidiphtheric
antidiphtherin
antidiphtheritic
antidisciplinarian
antidisestablishmentarian
antidisestablishmentarianism
antidiuretic
antidivine
antidivorce
antidogmatic
antidogmatical
antidogmatically
antidogmatism
antidogmatist
antidomestic
antidomestically
antidominican
antidora
antidoron
antidotal
antidotally
antidotary
antidote
antidote's
antidoted
antidotes
antidotical
antidotically
antidoting
antidotism
antidraft
antidrag
antidromal
antidromic
antidromically
antidromous
antidromy
antidrug
antiduke
antidumping
antidynamic
antidynastic
antidynastical
antidynastically
antidynasty
antidyscratic
antidysenteric
antidysuric
antiecclesiastic
antiecclesiastically
antiecclesiasticism
antiedemic
antieducation
antieducational
antieducationalist
antieducationally
antieducationist
antiegoism
antiegoist
antiegoistic
antiegoistical
antiegoistically
antiegotism
antiegotist
antiegotistic
antiegotistical
antiegotistically
antiejaculation
antielectron
antielectrons
antiemetic
antiemperor
antiempiric
antiempirical
antiempirically
antiempiricism
antiempiricist
antiendotoxin
antiendowment
antienergistic
antient
antienthusiasm
antienthusiast
antienthusiastic
antienthusiastically
antienvironmentalism
antienvironmentalist
antienvironmentalists
antienzymatic
antienzyme
antienzymic
antiepicenter
antiepileptic
antiepiscopal
antiepiscopist
antiepithelial
antierosion
antierosive
antierysipelas
antiestablishment
antiethnic
antieugenic
antievangelical
antievolution
antievolutional
antievolutionally
antievolutionary
antievolutionist
antievolutionistic
antieXpansion
antieXpansionism
antieXpansionist
antieXporting
antieXpressionism
antieXpressionist
antieXpressionistic
antieXpressive
antieXpressively
antieXpressiveness
antieXtreme
antieyeXtremist
antifeXce
antifeXction
antifeXame
antifeXanatic
antifeXacism
antifeXacist
antifeXacists
antifeXat
antifeXatigue
antifebrile
antifebrin
antifeXedral
antifeXedalism
antifeXedalist
antifeXon
antifeXony
antifeXeminism
antifeXemist
antifeXemistic
antifeXement
antifeXementative
antifeXerroelectric
antifeXerromagnet
antifeXerromagnetism
antifertility
antifertilizer
antifeudal
antifeudalism
antifeudalist
antifeudalistic
antifeudalization
antifibrinolysin
antifibrinolysis
antifeudalism
antifire
antiflash
antiflattering
antiflatulent
antiflux
antifoam
antifoaming
antifogant
antifogmatic
antiforeign
antiforeignism
antiformant
antiformin
antifouler
antifouling
antifowl
antifreeze
antifreezes
antifreezing
antifriction
antifrictional
antifrost
antifundamentalism
antifundamentalist
antifungal
antifungin
antigalactagogue
antigalactic
antigambling
antigambling
antigay
antigen
antigen's
antigene
antigenes
antigenic
antigenically
antigenicity
antiheroes
antiheroic
antiheroism
antiheterolysin
antihidrotic
antihierarchal
antihierarchic
antihierarchical
antihierarchically
antihierarchies
antihierarchism
antihierarchist
antihierarchy
antihistamine
antihistamines
antihistaminic
antihistorical
antiholiday
antihormone
antihuff
antihum
antihuman
antihumanism
antihumanist
antihumanistic
antihumbuggist
antihunting
antihydrophobic
antihydropic
antihydropin
antihygienic
antihygienically
antihylist
antihypertensive
antihypertensives
antihypnotic
antihypnotically
antihypochondriac
antihypophora
antihysteric
antiinflammatories
antiinflammatory
antiinstitutionalist
antiinstitutionalists
antiinsurrectionally
antiinsurrectionists
antijam
antikathode
antikenotoxin
antiketogen
antiketogenesis
antiketogenic
antikinase
antiking
antikings
antiknock
antiknocks
antilabor
antilaborist
antilacrosse
antilacrosser
antilactase
antilapsarian
antilapse
antileague
antileak
antileft
antilegalist
antilegomena
antilemic
antilens
antilepsis
antileptic
antilepton
antilethargic
antileukemic
antileveling
antilevelling
antiliberal
antiliberalism
antiliberalist
antiliberalistic
antiliberally
antiliberalness
antiliberals
antilibration
antilife
antilift
antilipase
antilipoid
antiliquor
antilithic
antilitter
antiliturgic
antiliturgical
antiliturgically
antiliturgist
antiliturgy
antilles
antilobium
antiloe mic
antilog
antilogarithm
antilog arithmetic
antilogarithms
antilogic
antilogical
antilogies
antilogism
antilogistic
antilogistically
antilogous
antilogs
antilogy
antilomic
antilopine
antiloquy
antilottery
antiluetic
antilu etin
antilynching
antilysin
antilysis
antilyssic
antilytic
antimacassar
antimacassars
antimachination
antimachine
antimachinery
antimagistrational
antimagnetic
antimalaria
antimalarial
antimale
antimallein
antiman
antimaniac
antimaniacal
antimark
antimartyr
antimask
antimasker
antimasks
antimason
antimasque
antimasquer
antimasquerade
antimaterialism
antimaterialist
antimaterialistic
antimaterialistically
antimatrimonial
antimatrimonialist
antimatter
antimechanism
antimechanist
antimechanistic
antimechanistically
antimechanization
antimediaeval
antimediaevalism
antimediaevalist
antimediaevally
antimedical
antimedically
antimedication
antimedicative
antimedicine
antimeval
antimevalism
antimevalist
antimevally
antimelancholic
antimellin
antimeningococcic
antimensia
antimension
antimensium
antimephitic
antimere
antimeres
antimerger
antimerging
antimeric
antimerism
antimeristem
antimesia
antimeson
antimetabole
antimetabolite
antimetathesis
antimetathetic
antimeter
antimethod
antimethodic
antimethodical
antimethodically
antimethodicalness
antimetrical
antimetropia
antimetropic
antimiasmatic
antimicrobial
antimicrobic
antimilitarism
antimilitarist
antimilitaristic
antimilitaristically
antimilitary
antiministerial
antiministerialist
antiministerially
antiminsia
antiminsion
antimiscegenation
antimissile
antimission
antimissionary
antimissioner
antimitotic
antimixing
antimnemonic
antimodel
antimodern
antimodernism
antimodernist
antimodernistic
antimodernization
antimodernly
antimodernness
antimonarch
antimonarchal
antimonarchally
antimonarchial
antimonarchic
antimonarchical
antimonarchically
antimonarchicalness
antimonarchism
antimonarchist
antimonarchistic
antimonarchists
antimonarchy
antimonate
antimonial
antimoniate
antimoniated
antimonic
antimonid
antimonide
antimonies
antimoniferous
antimonious
antimonite
antimonium
antoniuret
antoniureted
antoniuretted
antimonopolism
antimonopolist
antimonopolistic
antimonopolization
antimonopoly
antimonous
antimonsoon
antimony
antimonyl
antimoral
antimoralism
antimoralist
antimoralistic
antimorality
antimosquito
antimusical
antimusically
antimusicalness
antimycotic
antimystic
antimystical
antimystically
antimysticalness
antimysticism
antimythic
antimythical
antinarcotic
antinarcotics
antinarrative
antinational
antinationalism
antinationalist
antinationalistic
antinationalistically
antinationalists
antinationalization
antinationally
antinatural
antinaturalism
antinaturalist
antinaturalistic
antinaturally
antinaturalness
antinegro
antinegroism
antineologian
antineoplastic
antinephritic
antineptic
antineuralgic
antineuritic
antineurotoxin
antineutral
antineutralism
antineutrality
antineutrally
antineutrino
antineutrinos
antineutron
antineutrons
anting
antinganting
antings
antinial
antinicotine
antinihilism
antinihilist
antinihilistic
antinion
antinodal
antinode
antinodes
antinoise
antinome
antinomian
antinomianism
antinomians
antinomic
antinomical
antinomies
antinomist
antinomy
antinoness
antinormal
antinormality
antinormalness
antinosarian
antinovel
antinovelist
antinovels
antinucleon
antinucleons
antinuke
antiodont
antiodontalgic
antiopelmos
antiophthalmic
antiopium
antiopiumist
antiopiumite
antioptimism
antioptimist
antioptimistic
antioptimistical
antioptimistically
antioptionist
antiorgastic
antiorthodox
antiorthodoxly
antiorthodoxy
antioxidant
antioxidants
antioxidase
antioxidizer
antioxidizing
antioxygen
antioxygenating
antioxygenation
antioxygenator
antioxygenic
antiozonant
antipacifism
antipacifist
antipacific
antipacificist
antipacificists
antipapacy
antipapal
antipapalist
antipapism
antipapist
antipapistic
antipapistical
antiparabema
antiparabemata
antiparagraph
antiparagraphic
antiparallel
antiparallelogram
antiparalytic
antiparalytical
antiparasitic
antiparasitical
antiparasitically
antiparastatit
antiparlament
antiparlimental
antiparlimentarian
antiparlimentarians
antiparlimentarist
antiparlimentary
antiparlimenteer
antipart
antiparticle
antiparticles
antipass
antipasti
antipastic
antipasto
antipastos
antipatharian
antipathetic
antipathetical
antipathetically
antipatheticalness
antipathic
antipathies
antipathist
antipathize
antipathogen
antipathogene
antipathogenic
antipathy
antipatriarch
antipatriarchal
antipatriarchally
antipatriarchy
antipatriot
antipatriotic
antipatriotically
antipatriotism
antipedal
antipeduncular
antipellagric
antipendium
antipepsin
antipeptone
antiperiodic
antiperistalsis
antiperistaltic
antiperistasis
antiperistatic
antiperistatical
antiperistatically
antipersonnel
antiperspirant
antiperspirants
antiperthite
antipestilence
antipestilent
antipestential
antipestilently
antipetalous
antipewism
antiphagocytic
antipharisaic
antipharmic
antiphase
antiphilosophic
antiphilosophical
antiphilosophically
antiphilosophies
antiphilosophism
antiphilosophy
antiphlogistian
antiphlogistic
antiphlogiston
antiphon
antiphona
antiphonal
antiphonally
antiphonaries
antiphonary
antiphoner
antiphonetic
antiphonic
antiphonical
antiphonically
antiphonies
antiphonon
antiphons
antiphony
antiphrases
antiphrasis
antiphrastic
antiphрастically
antiphthisic
antiphthical
antiphylloxeric
antiphysic
antiphysical
antiphysically
antiphysicalness
antiphysician
antipill
antiplague
antiplanet
antiplastic
antiplatelet
antipleion
antiplenist
antiplethoric
antipleuritic
antiplurality
antipneumococcic
antipodagric
antipodagrion
antipodal
antipode
antipode's
antipodean
antipodeans
antipodes
antipodic
antipodism
antipodist
antipoetic
antipoetical
antipoetically
antipoints
antipolar
antipole
antipolemist
antipoles
antipolitical
antipolitically
antipolitics
antipollution
antipolo
antipolygamy
antipolyneuritic
antipool
antipooling
antipope
antipopery
antipopes
antipopular
antipopularization
antipopulationist
antipopulism
antiportable
antiposition
antipot
antipoverty
antipragmatic
antipragmatical
antipragmatically
antipragmaticism
antipragmatism
antipragmatist
antiprecipitin
antipredeterminant
antiprelate
antiprelatic
antiprelatism
antiprelatist
antipreparedness
antiprestidigitation
antipriest
antipriestcraft
antipriesthood
antiprime
antiprimer
antipriming
antiprinciple
antiprism
antiproductionist
antiproductive
antiproductively
antiproductiveness
antiproductivity
antiprofiteering
antiprogressive
antiprohibition
antiprohibitionist
antiprojectivity
antiprophet
antiprostate
antiprostatic
antiprotease
antiproteolysis
antiproton
antiprotons
antiprotozoal
antiprudential
antipruritic
antipsalmist
antipsoric
antipsychiatry
antipsychotic
antiptosis
antipudic
antipuritan
antiputrefaction
antiputrefactive
antiputrescent
antiputrid
antipyic
antipyics
antipyonin
antipyresis
antipyretic
antipyretics
antipyrin
antipyrine
antipyrotic
antipyryl
antiq
antiqua
antiquarian
antiquarian's
antiquarianism
antiquarianize
antiquarianly
antiquarians
antiquaries
antiquarism
antiquarium
antiquarian
antiquary
antiquate
antiquated
antiquatedness
antiquates
antiquating
antiquation
antique
antique's
antiqued
antiquely
antiqueness
antiquer
antiquers
antiques
antiquing
antiquist
antiquitarian
antiquities
antiquity
antiquum
antirabic
antirabies
antiracemate
antiracer
antirachitic
antirachitically
antiracial
antiracially
antiracing
antiracism
antiradiant
antiradiating
antiradiation
antiradical
antiradicalism
antiradically
antiradicals
antirailwayist
antirape
antirational
antirationalism
antirationalist
antirationalistic
antirationality
antirationally
antirattler
antireacting
antireaction
antireactionaries
antireactionary
antireactive
antirealism
antirealist
antirealistic
antirealistically
antireality
antirebating
antirecruiting
antired
antiredeposition
antireducer
antireducing
antireduction
antireductive
antireflexive
antireform
antireformer
antireforming
antireformist
antireligion
antireligionist
antireligiosity
antireligious
antireligiously
antiremonstrant
antirennet
antirennin
antirent
antirenter
antirentism
antirepublican
antirepublicanism
antireservationist
antiresonance
antiresonator
antirestoration
antireticular
antirevisionist
antirevolution
antirevolutionaries
antirevolutionary
antirevolutionist
antirheumatic
antiricin
antirickets
antiriot
antiritual
antiritualism
antiritualist
antiritualistic
antirobin
antiroll
antiromance
antiromatic
antiromantic
antiromanticism
antiromanticist
antiroyal
antiroyalism
antiroyalist
antirrhinum
antirumor
antirun
antirust
antirusts
antis
antisabbatarian
antisacerdotal
antisacerdotalist
antisag
antisaloon
antisalooner
antisavage
antiscabious
antiscale
antisceptic
antisceptical
antiscepticism
antischolastic
antischolastically
antischolasticism
antischool
antiscia
antiscians
antiscience
antiscientific
antiscientifically
antiscii
antiscion
antiscolic
antiscorbutic
antiscorbutical
antiscorptural
antiscorpturism
antiscrofulous
antiseismic
antiseleene
antisemite
antisemitic
antisemitism
antisensitivity
antisensitizer
antisensitizing
antisensuality
antisensuous
antisensuously
antisensuousness
antisepalous
antisepsin
antisepsis
antiseptic
antiseptical
antiseptically
antisepticise
antisepticised
antisepticising
antisepticism
antisepticist
antisepticize
antisepticized
antisepticizing
antiseptics
antiseption
antiseptize
antisera
antiserum
antiserums
antiserumsera
antisex
antisexist
antiship
antishipping
antisialagogue
antisialic
antisiccative
antisideric
antisilverite
antisimoniacal
antisine
antisiphon
antisiphonal
antiskptic
antiskptical
antiskpticism
antiskid
antiskidding
antislavery
antislaveryism
antislickens
antislip
antismog
antismoking
antismut
antisnapper
antisnob
antisocial
antisocialist
antisocialistic
antisocialistically
antisociality
antisocially
antisolar
antisophism
antisophist
antisophistic
antisophistication
antisophistry
antisoporific
antispase
antispadix
antispasis
antispasmodic
antispasmodics
antispast
antispastic
antispectroscopic
antispeculation
antispermotoxin
antispiritual
antispiritualism
antispiritualist
antispiritualistic
antispiritually
antispirochet
antisplasher
antisplenetic
antisplitting
antispreader
antispreading
antisquama
antisquatting
antistadholder
antistadholderian
antistalling
antistaphylococcic
antistat
antistate
antistater
antistatic
antistatism
antistatist
antisteapsin
antisterility
antistes
antistimulant
antistimulation
antistock
antistreptococcal
antistreptococcic
antistreptococcin
antistreptococcus
antistrike
antistriker
antistrophal
antistrophe
antistrophic
antistrophically
antistrophize
antistrophon
antistrumatic
antistrumous
antisubmarine
antisubstance
antisudoral
antisudorific
antisuffrage
antisuffragist
antisun
antisupernatural
antisupernaturalism
antisupernaturalist
antisupernaturalistic
antisurplician
antisymmetric
antisymmetrical
antisymmetry
antisyndicalism
antisyndicalist
antisyndication
antisynod
antisyphilitic
antitabetic
antitabloid
antitangent
antitank
antitantish
antitantishing
antitartaric
antitax
antitaxation
antiteetotalism
antitegula
antitemperature
antitetanic
antitetanalysin
antithalian
antitheft
antitheism
antitheist
antitheistic
antitheistical
antitheistically
antithenar
antitheologian
antitheological
antitheologizing
antitheology
antithermic
antithermin
antitheses
antithesis
antithesism
antithesesize
antithet
antithetic
antithetical
antithetically
antithetics
antithrombic
antithrombin
antithyroid
antitintinnabularian
antitabacco
antitabaconal
antitabacconist
antitonic
antitorpedo
antitoxic
antitoxin
antitoxin's
antitoxine
antitoxins
antitrade
antitrades
antitradition
antitraditional
antitraditionalist
antitraditionally
antitrageal
antitragei
antitragic
antitragicus
antitragus
antitrinitarian
antitromus
antitrochanter
antitropical
antitropie
antitropic
antitropical
antitropous
antitropy
antitrust
antitruster
antitryptsin
antitryptic
antitubercular
antituberculin
antituberculosis
antituberculotic
antituberculous
antitumor
antitumoral
antiturnpikeism
antitussive
antitwilight
antitypal
antitype
antitypes
antityphoid
antitypic
antitypical
antitypically
antitypous
antitypy
antityrosinase
antiuating
antiunion
antiunionist
antiuratic
antiurease
antiusurious
antiutilitarian
antiutilitarianism
antivaccination
antivaccinationist
antivaccinator
antivaccinist
antivariolous
antivenefic
antivenene
antivenereal
antivenin
antivenine
antivenins
antivenom
antivenomous
antivermicular
antivibrating
antivibrator
antivibratory
antivice
antiviral
antivirotic
antivirus
antivitalist
antivitalistic
antivitamin
antivivisection
antivivisectionist
antivivisectionists
antivolition
antiwar
antiwarlike
antiwaste
antiwear
antiwedge
antiweed
antiwhite
antiwhitism
antiwit
antiworld
antixerophthalmic
antizealot
antizoea
antizymic
antizymotic
antjar
antler
antlered
antlerite
antlerless
antlers
antlia
antliate
antlike
antling
antlion
antlians
antlophobia
antluetic
antocular
antodontalgic
antoeci
antoecian
antoecians
antoinette
antoniniani
antoninianus
antonio
antonomasia
antonomastic
antonomastical
antonomastically
antonomasy
antonovics
antony
antonym
antonymic
antonymies
antonymous
antonyms
antonymy
antorbital
antozone
antozonite
antproof
antra
antral
antralgia
antre
antrectomy
antres
antrin
antritis
antrocele
antronasal
antrophore
antrophose
antrorse
antrorsely
antroscope
antroscoopy
antrotome
antrotomy
antrotympanic
antrotympanitis
antroversion
antrovert
antrum
antrums
antrustion
antrustionship
ants
antship
antshrike
antsier
antsiest
antsigne
antsy
anthrash
antu
antwerp
antwise
anubin
anubing
anucleate
anucleated
anukabiet
anuloma
anunder
anura
anural
anuran
anywhen
anywhence
anywhere
anywhereness
anywheres
anywhither
anywhy
anywise
anywither
anzac
aob
aogiri
aoli
aonach
aonian
aor
aorist
aoristic
aoristically
aorists
aorta
aortae
aortal
aortarctia
aortas
aortectasia
aortectasis
aortic
aorticorenal
aortism
aortitis
aortclasia
aortclasis
aortographic
aortographies
aortography
aortoilic
aortolith
aortomalacia
aortomalaxis
aortopathy
aortoptosis
aortoptosis
aortorrhaphy
aortosclerosis
aortostenosis
aortotomy
aosmic
aouad
aouads
aoudad
aoudads
ap
apa
apabhramsa
apace
apache
apaches
apachism
apachite
apadana
apaesthesia
apaesthetic
apaesthetize
apaestically
apagoge
apagoges
apagogic
apagogical
apagogically
apagogue
apaid
apair
apaise
apalit
apanage
apanaged
apanages
apanaging
apandry
apanthropia
apanthropy
apar
aparaphysate
aparavidya
apardon
aparejo
aparejos
aparithmesis
apart
apartado
apartheid
aparthrosis
apartment
apartment's
apartmental
apartments
apartness
apasote
apass
apast
apastra
apastron
apastrra
apatan
apatetic
apotathon
apatheia
apathetic
apathetical
apathetically
apathia
apathic
apathies
apathism
apathist
apathistical
apathize
apathogenic
apathy
apatite
apatites
apatosaurus
apay
ape
apeak
apectomy
aped
apedom
apeek
apehood
apeiron
apeiophobia
apelet
apelike
apeling
apelies
apelious
apeman
apennines
apenteric
apepsia
apepsinia
apepsy
apeptic
aper
aperch
apercu
apercus
aperea
aperient
aperients
aperies
aperiodic
aperiodically
aperiodicity
aperispermic
aperistalsis
aperitif
aperitifs
aperitive
apers
apersee
apert
apertion
aperty
apertness
apertometer
apertum
apertural
aperture
apertured
apertures
aperu
aperulosid
apery
apes
apesthesia
aesthetic
aesthetize
apetalies
apetaloid
apetalose
apetalous
apetalousness
apetaly
apex
apexed
apexes
apexing
aph
aphacia
aphacial
aphacic
aphaeresis
aphaeretic
aphagia
aphagias
aphakia
aphakial
aphakic
aphanesite
aphaniptera
aphanipterous
aphanisia
aphanisis
aphanite
aphanites
aphanitic
aphanitism
aphanophyre
aphanozygous
aphasia
aphasiae
aphasiacs
aphasias
aphasic
aphasics
aphasiology
aphelia
aphelian
aphelial
aphelilia
aphelitions
aphelion
apheliotropic
apheliotropically
apheliotropism
aphemia
aphemic
aphengescope
aphengoscope
aphenoscope
apheresis
apheretic
apheses
aphesis
apheta
aphetic
aphetically
aphetism
aphorismic
aphorismical
aphorismos
aphorisms
aphorist
aphoristic
aphoristical
aphoristically
aphorists
aphorize
aphorized
aphorizer
aphorizes
aphorizing
aphotaxis
aphotic
aphototactic
aphototaxis
aphototropic
aphototropism
aphrasia
aphrite
aphrizite
aphrodesiac
aphrodisia
aphrodisiac
aphrodisiacal
aphrodisiacs
aphrodisian
aphrodisiomania
aphrodisiomanic
aphrodisiomaniacal
aphrodite
aphroditic
aphroditous
aphrolite
aphronia
aphronitre
aphrosiderite
aphtha
aphthae
aphthic
aphthitalite
aphthoid
aphthong
aphthongal
aphthongia
aphthonite
apikores
apikoros
apikorsim
apilary
apili
apimania
apimanias
apinch
aping
apinoid
apio
apiocrinite
apioid
apioidal
apiol
apiole
apiolin
apiologies
apiologist
apiology
apionol
apiose
apiphobia
apis
apish
apishamore
apishly
apishness
apism
apitong
apitpat
apium
apivorous
apjohnite
apl
aplace
aplacental
aplacophoran
aplacophorous
aplanat
aplanatic
aplanatically
aplanatism
aplanogamete
aplanospore
aplasia
aplasias
aplastic
aplenty
aplite
aplites
aplitic
aplobasalt
aplodiorite
aplomb
aplombs
aplome
aploperistomatos
aplostenomous
aplotaxene
aplotomy
aplustra
aplustre
aplustria
apnea
apneal
apneas
apneic
apneumatic
apneumatosis
apneumonous
apneusis
apneustic
apnoea
apnoeal
apnoeas
apnoeic
apoaconitine
apoapsides
apoapsis
apoatropine
apobiotic
apoblast
apocaffeine
apocalypse
apocalypses
apocalypst
apocalypt
apocalyptic
apocalyptical
apocalyptically
apocalypticism
apocalyptism
apocalyptist
apocamphoric
apocarp
apocarpies
apocarpous
apocarps
apocarpy
apocatastasis
apocatastatic
apocatharsis
apocathartic
apocenter
apocentre
apocentric
apocentricity
apocha
apochae
apocholic
apochromat
apochromatic
apochromatism
apocinchonine
apocodeine
apocopate
apocopated
apocopating
apocopation
apocope
apocopes
apocopie
apocenic
apocrine
apocrisiary
apocrustic
apocryph
apocrypha
apocryphal
apocryphalism
apocryphally
apocryphalness
apocryphate
apocryphon
apocynaceous
apocyneous
apocynthion
apocynthions
apocyte
apod
apodal
apodan
apodedeipna
apodeictic
apodeictical
apodeictically
apodeipna
apodeipnon
apodeixis
apodema
apodemal
apodemas
apodemata
apodematal
apodeme
apodia
apodiabolosis
apodictic
apodictical
apodictically
apodictive
apodixis
apodixis
apodoses
apodosis
apodus
apods
apodyteria
apodyterium
apoembryony
apoenzyme
apofenchene
apoferritin
apogaec
apogaic
apogalacteum
apogamic
apogamically
apogamies
apogamous
apogamously
apogamy
apogaeal
apogean
apogee
apogees
apogeic
apogenous
apogeny
apogeotropic
apogeotropically
apogeotropism
apgonid
apograph
apographal
apographic
apographical
apoharmine
apohyal
apoikia
apoious
apoise
apojove
apokatastasis
apokatastatic
apokrea
apokreos
apolar
apolarity
apolaustic
apolegamic
apolitical
apolitically
apolinarian
apolinian
apollo
apollonian
apollonicon
apollonos
apollyon
apolog
apologal
apologer
apologete
apologetic
apolgoetical
apolgogetically
apolgoetics
apologia
apologiae
apologias
apological
apologies
apologise
apologised
apologiser
apologising
apologist
apologist's
apologists
apologize
apologized
apologizer
apologizers
apologizes
apologizing
apologs
apologue
apologues
apology
apology's
apolousis
apolune
apolunes
apolusis
apolysis
apolytikion
apomecometer
apomecometry
apometabolic
apometabolism
apometabolous
apometaboly
apomict
apomictic
apomictical
apomictically
apomicts
apomixes
apomixis
apomorphia
apomorphin
apomorphine
aponeurology
aponeurorrhaphy
aponeuroses
aponeurosis
aponeurosisitis
aponeurotic
aponeurotome
aponeurotomy
aponia
aponic
aponogetonaceous
apoop
apopemptic
apopenptic
apopetalous
apophantic
apophasis
apophatic
apophlegm
apophlegmatic
apophlegmatism
apophonia
apophonic
apophonies
apophony
apophorometer
apophthegm
apophthegmatic
apophthegmatical
apophthegmatist
apophyeal
apophyte
apophyges
apophylactic
apophylaxis
apophyllite
apophyllous
apophysary
apophysate
apophyseal
apophyses
apophysial
apophysis
apophysitis
apoplasmodial
apoplastagogous
apoplectic
apoplectical
apoplectically
apoplectiform
apoplectoid
apoplex
apoplexies
apoplexious
apoplexy
apopyle
apoquinamine
apoquinine
aporetic
aporetical
aporhyolite
aporia
apostatism
apostatize
apostatized
apostatizes
apostatizing
apostaxis
apostem
apostemate
apostematic
apostemation
apostematous
aposteme
aposteriori
aposthia
aposthume
apostil
apostille
apostils
apostle
apostle's
apostlehood
apostles
apostleship
apostleships
apostoile
apostolate
apostoless
apostoli
apostolian
apostolic
apostolical
apostolically
apostolicalness
apostolicism
apostolicity
apostolize
apostrophal
apostrophation
apostrophe
apostrophes
apostrophi
apostrophic
apostrophied
apostrophise
apostrophised
apostrophising
apostrophize
apostrophized
apostrophizes
apostrophizing
apostrophus
apostume
apotactite
apotelsm
apotelsmatic
apotelsmatical
apothec
apothecal
apothecararies
apothecaries
apotheary
apothearyship
apothece
apotheces
apothecia
apothecial
apothecium
apotegm
apotegmatic
apotegmatical
apotegmatically
apotegmatist
apotegmatize
apotegms
apothem
apotheums
apotheose
apotheoses
apotheosis
apotheosise
apotheosised
apotheosising
apotheosize
apotheosized
apotheosizing
apothesine
apothesis
apoteghm
apotiecal
apotome
apotracheal
apotropaic
apotropically
apotropaion
apotropaism
apotropous
apoturmeric
apotype
apotypic
apout
apothesis
apozem
apozenia
apozenical
apozymase
app
appair
appal
appalachia
appalachian
appalachians
appale
appall
appalled
appalling
appallingly
appallingness
appallment
appalls
appalment
appaloosa
appaloosas
apps
appalto
appanage
appanaged
appanages
appanaging
appanagist
appar
apparail
appearance
apparat
apparatchik
apparatchiki
apparatchiks
apparation
apparats
apparatus
apparatuses
apparel
apparelled
apparelling
apparelment
apparels
apparence
apparenies
apparency
apparen
apparent
apparentation
apparentemente
apparentements
apparently
apparentness
apparition
apparition's
apparitional
apparitions
apparitor
appartement
appassionata
appassionatamente
appassionate
appassionato
appast
appaume
appaumee
appay
appd
appeach
appeacher
appeachment
appeal
appealability
appealable
appealed
appealer
appealers
appealing
appealingly
appealingness
appeals
appear
appearance
appearanced
appearances
appeared
appearer
appearers
appended
appendence
appendency
appendent
appender
appenders
appendical
appendicalgia
appendicate
appendice
appendiceal
appendicectomy
appendicectomies
appendicectomy
appendices
appendicial
appendicious
appendicitis
appendicle
appendicocaeostomy
appendicectomy
appendicular
appendicularian
appendiculate
appendiculated
appending
appenditious
appendix
appendix's
appendixed
appendixes
appendixing
appendorontgenography
appendotome
appends
appennage
appense
appentice
appenzell
appendceive
apperceived
apperceiving
appendception
appendceptionism
appendceptionist
appendceptionistic
apperceptive
appendceptively
appercipient
appere
appereil
appersonation
appersonification
appert
appertain
appertained
appertaining
appertainment
appertains
appertinent
appertise
appestat
appestats
appet
appete
appetence
appetencies
appetency
appetent
appetently
appetibility
appetible
appetibleness
appetiser
appetising
appetisse
appetit
appetite
appetite's
appetites
appetition
appetitional
appetitious
appetitive
appetitiveness
appetitost
appetize
appetized
appetizement
appetizer
appetizers
appetizing
appetizingly
appinite
appl
applanate
appropinquation
appropinquity
appropri
capriac
appropriable
appropriament
appropriate
appropriated
appropriately
appropriateness
appropriates
appropriating
appropriation
appropriations
appropriative
appropriativeness
appropriator
appropriator's
appropriators
approvability
approvable
approvableness
approvably
approval
approval's
approvals
approvance
approve
approved
approvingly
approx
approximable
approximal
approximant
approximants
approximate
approximated
approximately
approximates
approximating
approximation
approximations
aprons
apronstring
apropos
aprosexia
aprosopia
aprosopous
aproterodont
aprowl
apse
apselaphesia
apselaphesis
apses
apsid
apsidal
apsidally
apsides
apsidiole
apsinthion
apsis
apsychia
apsychical
apt
aptate
apter
apteral
apteran
apteria
apterial
apterium
apteroid
apterous
apterygial
apterygote
apterygotous
apteryla
apteryx
apteryxes
aptest
aptitude
aptitudes
aptitudinal
aptitudinally
aptly
aptness
aptnesses
aptote
aptotic
apts
aptyalia
aptyalism
aptychus
apulmonic
apulse
apurpose
apx
apyonin
apyrase
apyrases
apyrene
apyretic
apyrexia
apyrexial
apyrexy
apyrotype
apyrous
aq
aqua
aquabelle
aquabib
aquacade
aquacades
aquacultural
aquaculture
aquadag
aquaduct
aquaducts
aquae
aquamanale
aquamanalia
aquafee
aquafortis
aquafortist
aquage
aquagreen
aquake
aqualung
aquealunger
aquamanale
aquamanalia
aquamanile
aquamaniles
aquamanilia
aquamarine
aquamarines
aquameter
aquanaut
aquanauts
aquaphobia
aquaplane
aquaplaned
aquaplaner
aquaplanes
aquaplaning
aquapuncture
aquaregia
aquarelle
aquarelles
aquarellist
aquaria
aquarial
aquarian
aquarians
aquariia
aquariist
aquariums
aquarist
aquarists
aquarium
aquariums
aquarius
aquarter
aquas
aquascope
aquascutum
aquashow
aqueate
aquatic
aquatical
aquatically
aquatics
aquatile
aquatint
aquatinta
aquatinted
aquatinter
aquatinting
aquatintist
aquatints
aquation
aquativeness
aquatone
aquatones
aquavalent
aquavit
aquavits
aqueduct
aqueduct's
aqueducts
aqueity
aquench
aqueoglacial
aqueoigneous
aqueomercurial
aqueous
aqueously
aqueousness
aquerne
aquinclud
aquincolous
aquicultural
aquiculture
aquiculturist
aquifer
aquiferous
aquifers
aquifoliaceous
aquiform
aquifuge
aquila
aquilawood
aquilege
aquilegia
aquilia
aquiline
aquilinity
aquilino
aquilon
aquinas
aquincubital
aquincubitalism
aquintocubital
aquintocubitalism
aquiparous
aquiver
aquo
aquocapsulitis
aquocarbonic
aquocellolitis
aquopentamminecobaltic
aquose
aquosity
aquotization
arache
arachic
arachide
arachidic
arachidonic
arachin
arachis
arachnactis
arachne
arachnean
arachnephobia
arachnid
arachnid's
arachnidan
arachnidal
arachnidism
arachnidium
arachnids
arachnism
arachnitis
arachnoid
arachnoideal
arachnoidea
arachnoidean
arachnoiditis
arachnological
arachnologist
arachnology
arachnophagous
arachnopia
arad
aradid
arado
araeometer
araeostyle
araeosystyle
araeotic
arage
aragonite
aragonitic
aragonspath
araguane
araguato
araignee
arain
araire
araise
arak
arakawaite
arake
araks
aralia
araliaceous
araliad
aralie
aralkyl
aralkylated
aramaean
aramaic
aramayoite
aramid
aramids
aramina
araneid
araneidal
araneidan
araneids
araneiform
aranein
araneologist
araneology
araneose
araneous
aranga
arango
arangoes
arank
aranzada
arapahite
arapaho
arapahos
arapaima
arapaimas
araphorostic
araphostic
araponga
arapunga
arar
arara
araracanga
ararao
ararauna
arariba
araroba
ararobas
araru
arase
arati
aratinga
aration
aratory
araukanian
arauaria
arauarian
arawak
arawakan
arayne
arb
arba
arbacta
arbacin
arbalest
arbalester
arbalestre
arbalestrier
arbalests
arbalist
arbalister
arbalists
arbalo
arbalos
arber
arbinose
arbiter
arbiter's
arbiter's
arbiterers
arbith
arbitrable
arbitrage
arbitrager
arbitragers
arbitrages
arbitrageur
arbitragist
arbitral
arbitrament
arbitraments
arbitraries
arbitrarily
arbitrariness
arbitrary
arbitrate
arbitrated
arbitrates
arbitrating
arbitration
arbitrational
arbitrationist
arbitrations
arbitrative
arbitrator
arbitrator's
arbitrators
arbitratorship
arbitratrix
arbire
arbitrement
arbitrer
arbitress
arbitry
arblast
arbo loco
arbor
arbor's
arboraceous
arboreal
arborary
arbator
arborea
arboreal
arboreally
arborean
arbored
arboreous
arborer
arbores
arborescence
arborescent
arborescently
arboresque
arboret
arboreta
arboretum
arborets
arborical
arboricole
arboricoline
arboricolous
arboricultural
arboriculture
arboriculturist
arboriform
arborise
arborist
arborists
arborization
arborize
arborized
arborizes
arborizing
arboroid
arborolater
arborolatry
arborous
arbors
arborvitaes
arborviteae
arborway
arbour
arbota
arbour
arboured
arbours
arbovirus
arbs
arbrn
arbuscle
arbuscles
arbuscula
arbuscular
arbuscule
arbust
arbusta
arbusterin
arbusterol
arbustum
arbutase
arbote
arbotean
arbutes
arbutin
arbutinase
arbutus
arbutuses
arc
arca
arcabucero
arcade
arcade's
arcaded
archaeologist
archaeologist's
archaeologists
archaeology
archaeomagnetism
archaeopteryx
archaeornis
archaeostoma
archaeostomatous
archaeotherium
archaeus
archagitator
archai
archaic
archaicall
archaically
archaicism
archaicness
archaise
archaised
archaiser
archaises
archaising
archaism
archaisms
archaist
archaistic
archaists
archaize
archaized
archaizer
archaizes
archaizing
archangel
archangel's
archangelic
archangelical
archangels
archangelship
archantagonist
archanthropine
archantiquary
archapostate
archapostle
archarchitect
archarios
archartist
archbanc
archbanes
archban
archbeacon
archbeadle
archbishop
archbishopess
archbishopric
archbishoprics
archbishopry
archbishops
archbotcher
archboutefeu
archbuffoon
archbuilder
archchampion
archchaplain
archcharlatan
archcheater
archchemic
archchief
archchronicler
archcity
archconfraternities
archconfraternity
archconsoler
archconspirator
archcorrupter
archcorsair
archcount
archcozener
archcriminal
archcritic
archcrown
archcupbearer
archd
archdapifer
archdapifership
archdeacon
archdeaconate
archdeaconess
archdeaconries
archdeaconry
archdeacons
archdeaconship
archdean
archdeanery
archdeceiver
archdefender
archdemon
archdepredator
archdespot
archdetective
archdevil
archdiocesan
archdiocese
archdioceses
archdiplomatist
archdissembler
archdisturber
archdivine
archdogmatist
archdolt
archdruid
archducal
archduchess
archduchesses
archduchies
archduchy
archduke
archdukedom
archdukes
archduxe
arche
archeal
archean
archearl
archebanc
archebancs
archebiosis
archeclesiastic
archecentric
arched
archegay
archegone
archegonia
archegonial
archegoniate
archegoniophore
archegonium
archegony
archeion
archelogy
archelon
archemastry
archemperor
archencephalic
archenemies
archenemy
archengineer
archenitia
archenteric
archenteron
archeocyte
archeol
archeolithic
archeologist
archeologic
archeological
archeologically
archeologist
archeology
archeopteryx
archeostome
archeozoic
archer
archeress
archerfish
archerfishes
archeries
archers
archership
archery
arches
archespore
archespores
archesporia
archesporial
archesporium
archespsporia
archest
archetto
archettos
archetypal
archetypally
archetype
archetypes
archetypic
archetypical
archetypically
archetypist
archeunuch
archeus
archexorcist
archfelon
archfiend
archfiends
archfire
archflamen
archflatterer
archfoe
archfool
archform
archfounder
archfriend
archgenethliac
archgod
archgomeral
archgovernor
archgunner
archhead
archheart
archheresy
archheretic
archhost
archhouse
archhumbug
archhypocrisy
archhypocrite
archiater
archibenthal
archibenthic
archibenthos
archiblast
archiblastic
archiblastoma
archiblastula
archical
archicantor
archicarp
archicerebra
archicerebrum
archichlamydeous
archicleistogamous
archicleistogamy
archicoele
archicontinent
archicyte
archicytula
archidiaconal
archidiaconate
archididascalian
archididascalous
archidome
archidoxis
archie
archiepiscopacy
archiepiscopal
archiepiscopality
archiepiscopally
archiepiscopate
archiereus
archigaster
archigastrula
archigenesis
archigonolic
archigonocyte
archigony
archiheretical
archikaryon
archil
archilithic
archilla
archilochian
archilowe
archils
archilute
archimage
archimagus
archimandrite
archimandrites
archimedean
archimedes
archimime
archimorphic
archimorula
archimperial
archimperialism
archimperialist
archimperialistic
archimpressionist
archin
archine
archines
archineuron
archinfamy
archinformer
arching
archings
archipallial
archipallium
archipelagian
archipelagic
archipelago
archipelagoes
archipelagos
archiphoneme
archipin
archiplasm
archiplasmic
archiprelatical
archipresbyter
archipterygial
archipterygium
archisperm
archisphere
archispore
archistome
archisupreme
archisymbolical
archisynagogue
archit
architect
architect's
architective
architectonic
architectonically
architectonics
architectress
architects
architectural
architecturalist
architecturally
architecture
architecture's
architectures
architecturesque
archicure
architis
architral
architrave
architraved
architraves
architricline
architypographer
archival
archivault
archive
archived
archiver
darchivers
darchives
darchiving
darchivist
darchivists
darchivolt
darchizoic
darchockey
darchking
darchknave
darchleader
darchlecher
darchlet
darchleveler
darchlexicographer
darchliar
darchlute
darchly
darchmachine
darchmagician
darchmagirist
darchmarshal
darchmediocrity
darchmessenger
darchmilitarist
darchmime
darchminister
darchmock
darchmocker
darchmockery
darchmonarch
darchmonarchist
darchmonarchy
darchmugwump
darchmurderer
darchmystagogue
darchness
darchnesses
darchocele
darchocystosyrinx
darchology
darchon
darchons
darchonship
darchonships
darchont
darchontate
archontic
archoplasm
archoplasma
archoplasmic
archoptoma
archoptosis
archorrhagia
archorrhea
archostegnosis
archostenosis
archosyrinx
archoverseer
archpall
archpapist
archpastor
archpatriarch
archpatron
archphilosopher
archphylarch
archpiece
archpilferer
archpillar
archpirate
archplagiarist
archplagiary
archplayer
archplotter
archplunderer
archplutocrat
archpoet
archpolitician
archpontiff
archpractice
archprelate
archprelatic
archprelatical
archpresbyter
archpresbyterate
archpresbytery
archpretender
archpriest
archpriesthood
archpriestship
archprimate
archprince
archprophet
archprotopope
archprototype
archpublican
archpuritan
archradical
archrascal
archreactionary
archrebel
archregent
archrepresentative
archrobber
archrogue
archruler
archsacrificator
archsacrificer
archsaint
archsatrap
archscoundrel
archseducer
archsee
archsewer
archshepherd
archsin
archsnob
archspirit
archspy
archsteward
archswindler
archsynagogue
archt
archtempter
archthief
archtraitor
archtreasurer
archtreasurership
archturncoat
archtyrant
archurger
archvagabond
archvampire
archvestryman
archvillain
archvillainy
archvisitor
archwag
archway
archways
archwench
archwife
archwise
archworker
archworkmaster
archy
arciferous
arcifinous
arciform
arcing
arcked
arcking
arclength
arclike
arco
arcocentrous
arcocentrum
arcograph
arcose
arcosolia
arcosoliulia
arcosolium
arcs
arcsin
arcsine
arcsines
arctan
arctangent
arctation
arctian
arctic
arctically
arctician
arcticize
arcticized
arcticizing
arcticologist
arcticology
arctics
arcticward
arcticwards
arctiid
arctitude
arctogaeal
arctoid
arctoidean
arcturus
arcual
arcuade
arcualia
arcuate
arcuated
arcuately
arcuation
arcubalist
arcubalister
arcubos
arcula
arculate
arcus
arcuses
ardass
ardassine
ardeb
ardebs
ardeid
ardelio
ardella
ardellae
ardencies
ardency
ardennite
ardent
ardently
ardentness
arder
ardilla
ardish
ardisia
arditi
ardito
ardoise
ardor
ardors
ardour
ardours
ardri
ardrigh
ardu
arduinite
arduous
arduously
arduousness
ardure
ardurous
are
area
area’s
areach
aread
aready
areae
areal
areality
areally
arear
areas
areason
areasoner
areaway
areaways
areawide
area
arecaceous
areca
arecal
arecaline
arecas
areche
arecolin
arecolidine
arecolin
arecoline
ared
areek
areel
arefact
arefaction
arefy
areg
aregenerative
aregeneratory
areic
areito
aren
aren't
arena
arena's
arenaceous
arenae
arenaria
arenariae
arenarious
arenas
arenation
arend
arendalite
arendator
areng
arenicole
arenicolite
arenicolor
arenicolous
arenilitic
arenite
arenites
arenoid
arenose
arenosity
arenous
arent
arenulous
areocentric
areographer
areographic
areographical
areographically
areography
areola
areolae
areolar
areolas
areolate
areolated
areolation
areole
areoles
areolet
areologic
areological
areologically
areologies
areologist
areology
areometer
areometric
areometrical
areometry
areopagist
areopagite
areopagitic
areopagus
areopagy
areostyle
argenteous
argenter
argenteum
argentic
argenticyanide
argentide
argentiferous
argentin
argentina
argentine
argentinean
argentineans
argentines
argentinitrate
argentino
argention
argentite
argentojarosite
argentol
argentometer
argentometric
argentometrically
argentometry
argenton
argentoproteinum
argentose
argentous
argentry
argents
argentum
argentums
argh
arghan
arghel
arghool
arghoul
argify
argil
argillaceous
argillic
argilliferous
argillite
argillitic
argilloarenaceous
argillocalcareous
argillocalcite
argilloferruginous
argilloid
argufies
argufy
argufying
arguing
arguively
argument
argument's
argumenta
argumental
argumentation
argumentatious
argumentative
argumentatively
argumentativeness
argumentator
argumentatory
argumentative
arguments
argumentum
argus
arguses
argusfish
argusfishes
arguta
argutation
argute
argutely
arguteness
argyle
argyles
argyll
argylls
argyranthemous
argyranthous
argyria
argyric
argyrite
argyrocephalous
argyrodiite
argyrodiote
argyrose
argyrosis
argyrythrose
arhar
arhat
arhats
arhatship
arhithmia
arhithmic
arhythmical
arhythmically
aria
ariadne
arian
arianism
arianist
arianists
arias
aribin
aribine
ariboflavino
aricin
aricine
arid
arider
aridest
aridge
aridian
aridities
aridity
aridly
aridness
aridnesses
ariegate
ariel
ariels
arienzo
aries
arietate
arietation
arietinous
arietta
ariettas
ariette
ariettes
aright
arightly
arigue
ariki
aril
ariled
arillary
arillate
arillated
arilled
arilli
arilliform
arillode
arilloides
arilloidium
arilloid
arillus
arils
ariolate
ariole
ariose
ariosi
arioso
ariosos
ariot
aripple
arisaid
arisard
arise
arised
arisen
ariser
arises
arish
arising
arisings
arist
arista
aristae
aristarch
aristarchies
aristarchy
aristas
aristate
ariste
aristeia
aristippus
aristo
aristocracies
aristocracy
aristocrat
aristocrat's
aristocratic
aristocratical
aristocratically
aristocraticalness
aristocraticism
aristocraticness
aristocratism
aristocrats
armariumaria
armary
armature
armatured
armatures
armaturing
armiband
armbands
armbone
armchair
armchair's
armchaired
armchairs
armed
armenia
armeniaceous
armenian
armenians
armenite
armer
armers
armet
armets
armful
armfuls
armgaunt
armguard
armhole
armholes
armhoop
armied
armies
armiferous
armiger
armigeral
armigeri
armigero
armigeros
armigerous
armigers
armil
armill
armilla
armillae
armillaria
armillary
armillas
armillate
armillated
armine
arming
armings
armonian
armipotence
armipotent
armisonant
armisonous
armistice
armistices
armit
armitas
armless
armlessly
armlessness
armlet
armlets
armlike
armload
armloads
armlock
armlocks
armoire
armoires
armomancy
armoniac
armonica
armonicas
armor
armorbearer
armored
armorer
armorers
armorial
armorially
armorials
armorica
armorican
armoried
armories
armoring
armorist
armorless
armorplated
armorproof
armors
armorwise
arnut
aroar
aroast
arock
aroeira
aroid
aroideous
arooids
aroint
arointed
arointing
aro ints
arolia
arolium
arolla
aroma
aromacity
aromadendrin
aromal
aromas
aromata
aromatic
aromatical
aromatically
aromaticcity
aromaticness
aromatics
aromatise
aromatised
aromatiser
aromatising
aromatitae
aromatite
aromatites
aromatization
aromatize
aromatized
aromatizer
aromatizing
aromatophor
aromatophore
aromatous
aroon
aroph
arose
around
arousable
arousal
arousals
arouse
aroused
arousement
arouser
arousers
arouses
arousing
arow
aroxyl
aroxynt
aroxynted
aroxynting
aroxynts
arpnet
arpreggiando
arpreggiated
arpreggiation
arpaggio
arpaggio's
arpaggioed
arpaggios
arpen
arpens
arpent
arpenteur
arpents
arquated
arquebus
arquebuses
arquebusier
arquerite
arquifoux
arr
arracach
arracacha
arrace
arrach
arrack
arracks
arrage
arragonite
arra
arraign
arraignability
arraignable
arraignableness
arraigned
arraigner
arraigning
arraignment
arraignment's
arraignments
arraigns
arrame
arrand
arrange
arrangeable
arranged
arrangement
arrangement's
arrangements
arranger
arrangers
arranges
arranging
arrant
arrantly
arrantness
arras
arrased
arrasene
arrases
arrastra
arrastre
arratel
arrau
array
arrayal
arrayals
arrayan
arrayed
arrayer
arrayers
arraying
arrayment
arrays
arear
areearage
areearages
areears
arrect
arrectary
arrector
arrendation
arrendator
arrenotokous
arrenotoky
arrent
arrenteable
arrentation
arreption
arreptitious
arrest
arrestable
arrestant
arrestation
arrested
arrestee
arrestees
arrester
arresters
arresting
arretingly
arrestive
arrestment
arrester
arrestor
arrestor's
arrestors
arrests
arret
arretez
arretz
arrha
arrhal
arrhenal
arrhenoid
arrhenotokous
arrhenotoky
arhinia
arrhizal
arrhizous
arrhythmia
arrhythmias
arrhythmic
arrhythmical
arrhythmically
arrhythmic
arri
arriage
arriba
arribadas
arricci
arrogating
arrogatingly
arrogation
arrogations
arrogative
arrogator
arrojadite
arrondi
arrondissement
arrondissements
arrope
arrosion
arrosive
around
arrouse
arrow
arrowbush
arrowed
arrowhead
arrowhead's
arrowheaded
arrowheads
arrowing
arrowleaf
arrowless
arrowlet
arrowlike
arrowplate
arrowroot
arrowroots
arrows
arrowsmith
arrowstone
arrowweed
arrowwood
arrowworm
arrowy
arroya
arroyo
arroyos
arroyuelo
arroz
artez
arrythmia
arrythmic
arrythmical
arrythmically
ars
arsanilic
arse
arsedine
arsefoot
arsehole
arsenal
arsenal's
arsenals
arsenate
arsenates
arsenation
arseneted
arsenetted
arsenfast
arsenferratose
arsenhemol
arseniasis
arseniate
arsenic
arsenical
arsenicalism
arsenicate
arsenicated
arsenicating
arsenicism
arsenicize
arsenicked
arsenicking
arsenicophagy
arsenics
arsenide
arsenides
arseniferous
arsenillo
arseniopleite
arseniosiderite
arsenious
arsenism
arsenite
arsenites
arsenium
arseniuret
arseniureted
arseniuretted
arsenization
arseno
arsenobenzene
arsenobenzol
arsenobismite
arsenoferratin
arsenofuran
arsenohemol
arsenolite
arsenophagy
arsenophen
arsenophenol
arsenophenylglycin
arsenopyrite
arsenostyracol
arsenotherapy
arsenotungstates
arsenotungstic
arsenous
arsenoxide
arsenyl
arses
arsesmart
arsheen
arshin
arshine
arshins
arsine
arsines
arsinic
arsino
arsis
arsle
arsmetik
arsmetrik
arsmetrike
arsmetry
arsnicker
arsoite
arson
arsonate
arsonation
arsonic
arsonist
arsonists
arsonite
arsonium
arsono
arsonous
arsons
arsonvalization
arsphenamine
arsyl
arsylene
arsyversy
art
art's
artaba
artabe
artal
artar
artarin
artarine
artcraft
arte
artefac
artefact
artefacts
artel
artels
artemia
artemis
artemisia
artemisic
artemisin
artermon
arter
arteria
arteriac
arteriae
arteriagra
arterial
arterialisation
arterialise
arterialised
arterialising
arterialization
arterialize
arterialized
arterializing
arterially
arterials
arteriarctia
arteriaria
arteriasis
arteriectasia
arteriectasis
arteriectopia
arteried
arteries
arterin
arterioarctia
arteriocapillary
arteriococcyeal
arteriodiagnosis
arteriodiastasis
arteriofibrosis
arteriogenesis
arteriogram
arteriograph
arteriographic
arteriography
arteriolar
arteriole
arteriole's
arterioles
arteriolith
arteriology
arterioloscleroses
arteriolosclerosis
arteriomalacia
arteriometer
arteriomotor
arterionecrosis
arteriopalmus
arteriopathy
arteriophlebotomy
arterioplania
arterioplasty
arteriopressor
arteriorenal
arteriorrhagia
arteriorrhaphy
arteriorrhesis
arterioscleroses
arteriosclerosis
arteriosclerotic
arteriospasm
arteriostenosis
arteriostosis
arteriostrepsis
arteriosympathectomy
arteriotome
arteriotomies
arteriotomy
arteriotrepsis
arterious
arteriovenous
arterioversion
arterioverter
arteritis
artery
artery's
arterying
artesian
artesonado
artesonados
artful
artfully
artfulness
artha
arthel
arthemis
arthogram
arthra
arthragra
arthral
arthralgia
arthralgic
arthrectomies
arthrectomy
arthredema
arthrempyesis
arthresthesia
arthritic
arthritical
arthritically
arthriticine
arthritics
arthritides
arthritis
arthritism
arthrobacterium
arthrobranch
arthrobranchia
arthrocace
arthrocarcinoma
arthrocele
arthrochondritis
arthroclasia
arthrocleisis
arthroclisis
arthroderm
arthrodia
arthrodiae
arthrodial
arthrodic
arthrodiran
arthrodire
arthrodious
arthrodymic
arthrodyinia
arthrodynic
arthroempyema
arthroempyesis
arthroendoscopy
arthrogastran
arthrogenous
arthrography
arthrogryposis
arthrolite
arthrolith
arthrolithiasis
arthrology
arthromeningitis
arthromere
arthromeric
arthrometer
arthrometry
arthron
arthroncus
arthroneuralgia
arthropathic
arthropathology
arthropathy
arthrophlogosis
arthrophyma
arthroplastic
arthroplasty
arthropleura
arthropleure
arthropod
arthropod's
arthropodal
arthropodan
arthropodous
arthropods
arthropody
arthropomatous
arthropterous
arthropyosis
arthrorheumatism
arthrorhagia
arthrosclerosis
arthroses
arthrosia
arthrosis
arthrospore
arthrosporic
arthrosporous
arthrosteitis
arthrosterigma
arthrostome
arthrostromy
arthrosonovitis
arthrosyrinx
arthrotome
arthrotomies
arthroty
arthrotrauma
arthrotropic
arthrotyphoid
arthrous
arthroserosis
arthrozoan
arthrozoic
arthur
arthurian
artiad
artic
artichoke
artichoke's
artichokes
article
article's
articled
articles
articling
articulability
articulable
articulacy
articulant
articular
articulare
articularly
articualrs
articulary
articulata
articulate
articulated
articulately
artinite
artiodactyl
artiodactyloids
artiphyllous
artisan
artisan's
artisanal
artisanry
artisans
artisanship
artist
artist's
artistdom
artiste
artistes
artistess
artistic
artistical
artistically
artistries
artistry
artists
artize
artless
artlessly
artlessness
artlet
artlike
artly
artmobile
artocarpad
artocarpeous
artocarpous
artolater
artolatry
artophagous
artophoria
artophage
artophorion
artotype
artotypy
artotyrite
artou
arts
artsman
artsy
artus
artware
artwork
artworks
arty
aru
arugola
arugolas
arugula
arugulas
arui
aruke
arum
arumin
arumlike
arums
arundiferous
arundinaceous
arundineous
arupa
arusa
arusha
aruspex
aruspice
aruspices
aruspicy
arustle
arval
arvejon
arvel
arvicole
arvicoline
arvicolous
arviculture
arvo
arvos
arx
ary
aryan
aryanize
aryans
aryballi
aryballoi
aryballoid
aryballos
aryballus
arybballi
aryepiglottic
aryepiglottidean
aryl
arylamine
arylamino
arylate
arylated
arylating
arylation
arylide
aryls
arytenoepiglottic
arytenoid
arytenoidal
arythmia
arythmias
arythmic
arythmical
arythmically
arzan
arzrunite
arzun
as
asaddle
asafetida
asafoetida
asak
asale
asamblea
asana
asap
asaphia
asaphid
asaprol
asarabacca
asarin
asarite
asaron
asarone
asarota
asarotum
asarta
asarum
asarums
asb
asbest
asbestic
asbestiform
asbestine
asbestinize
asbestoid
ascenseur
ascension
ascensional
ascensionist
ascensions
ascensive
ascensor
ascent
ascents
ascertain
ascertainability
ascertainable
ascertainableness
ascertainably
ascertained
ascertainer
ascertaining
ascertainment
ascertains
ascescency
ascescent
asceses
ascesis
ascetic
ascetic's
ascetical
ascetically
asceticism
ascetics
aschaffite
ascham
ascher
aschistic
asci
ascian
ascians
ascididia
ascidia
ascidian
ascidians
ascidiate
ascidicolous
ascidiform
ascidiia
ascidioid
ascidiozooid
ascidium
asciferous
ascigerous
ascii
ascill
ascitan
ascitb
ascite
ascites
ascitic
ascitical
ascititious
ascient
asclepiad
asclepiadaceous
asclepiadeous
asclepias
asclepidin
asclepidoid
asclepin
asclepius
ascocarp
ascocarpous
ascocarps
ascogenous
ascogone
ascogonia
ascogonial
ascogonidia
ascogonidium
ascogonium
ascolichen
ascoma
ascomata
ascomycetal
ascomycete
ascomycetes
ascomycetous
ascon
asconia
asconoid
ascophore
ascophorous
ascorbate
ascorbic
ascospore
ascosporic
ascosporous
ascot
ascots
ascriptible
ascrbe
ascribed
ascribes
ascrying
ascript
ascription
ascryptions
ascriptitii
ascriptitious
ascriptitius
ascriptive
ascrive
ascry
ascus
ascula
asculae
ascus
ascyphous
asdic
asdics
ase
asea
asearch
asecretory
aseethe
aseismatic
aseismic
aseismicity
aseitas
aseity
aselar
aselgeia
asellate
aselline
asellus
asem
asemasia
asemia
asemic
asepalous
asepses
asepsis
aseptate
aseptic
aseptically
asepticism
asepticize
asepticized
asepticizing
aseptify
aseptol
aseptolin
asexual
asexualisation
asexualise
asexualised
asexualising
asexuality
asexualization
asexualize
asexualized
asexualizing
asexually
asexuals
asfast
asfetida
asg
asgard
asgd
asgmt
ash
ashake
ashame
ashamed
ashamedly
ashamedness
ashamnu
ashanti
ashberry
ashcake
ashcan
ashcans
ashed
ashen
asher
asherah
asherahs
asheries
asherim
ashery
ashes
ashet
ashfall
ashier
ashiest
asiarch
asiatic
asiaticism
aside
asidehand
asiden
asideness
asiderite
asides
asideu
asiento
asilid
asimen
asimmer
asinego
asinegoes
asinine
asinely
asininities
asininity
asiphonate
asiphonogama
asitia
ask
askable
askance
askant
askapart
askar
askarel
askari
askaris
asked
asker
askers
askeses
askesis
askew
askewgee
askewness
askile
asking
askingly
askings
askip
asklent
askoi
askos
askoye
asks
aslake
aslan
aslanwise
aslaver
asleep
aslop
aslope
aslumber
asmack
asmalte
asmear
asmile
asmodeus
asmode
asmolder
asniffle
asnort
asoak
asocial
asok
asoka
asomatophyte
asomatous
asonant
asonia
asop
asor
asouth
asp
aspace
aspalathus
aspalax
asparagic
asparagin
asparagine
asparaginic
asparaginous
asparagus
asparagus
asparamic
asparkle
aspartame
aspartate
aspartic
aspartokinase
aspartyl
aspca
aspect
aspect's
aspectable
aspectant
aspection
aspects
aspectual
aspen
asps
asper
asperate
asperated
asperates
asperating
asperation
aspergation
asperge
asperger
asperges
aspergilla
aspergilli
aspergil
aspergill
aspergilla
aspergilli
aspergilliform
aspergillin
aspergilloses
aspergillosis
aspergillum
aspergilums
aspergillus
asperifoliate
asperifolious
asperite
asperities
asperity
asperly
aspermatic
aspermatism
aspermatous
aspermia
aspermic
aspermous
asperm
asperness
asperous
asperously
aspers
asperse
aspersed
asperser
aspersers
asperses
aspersing
aspersion
aspersion's
aspersions
aspersive
aspersively
aspersoir
asper sor
aspersoria
aspersorium
aspersoriums
aspersors
aspersory
asperuloside
asperulous
asphalt
asphalted
asphaltene
asphalter
asphaltic
asphalting
asphal tit e
asphalt like
asphalts
asphaltum
asphaltus
aspheric
aspherical
aspheterism
aspheterize
asp hodel
asphodels
asphyctic
asphyct ous
asphyxia
asphyxial
asphyxiant
asphyxias
asphyxiate
asphyxi ated
asphyxiates
asphyxiating
asphyxiation
asphyxiative
asphyxiator
asphyxied
asphyxies
asphyxy
aspic
aspics
aspicate
aspicious
aspidate
aspide
aspidiaria
aspidinol
aspidistra
aspidistras
aspidium
aspidobranchiate
aspidomancy
aspidospermine
aspiquee
aspirant
aspirant's
aspirants
aspirata
aspiratae
aspirate
aspirated
aspirates
aspirating
aspiration
aspiration's
aspirations
aspirator
aspirators
aspiratory
aspire
aspired
aspiree
aspirer
aspirers
aspires
aspirin
aspiring
aspiringly
aspiringness
aspirins
aspis
aspises
aspish
asplanchnic
asplenioid
asplenium
asporogenic
asporogenous
asporous
asport
asportation
asporulate
aspout
asprawl
aspread
asprete
aspring
asprout
asps
aspy
asquare
asquat
asqueal
asquint
asquirm
asrama
asramas
ass
ass's
assacu
assafetida
assafotida
assagai
assagaied
assagaiing
assagais
assahy
assai
assail
assailability
assailable
assailableness
assailant
assailant's
assailants
assailed
assailer
assailers
assailing
assailment
assails
assais
assalto
assam
assamar
assamese
assapan
assapanic
assapanick
assarion
assart
assary
assassin
assassin's
assassinate
assassinated
assassinates
assassinating
assassination
assassinations
assassinative
assassinator
assassinatress
assassinist
assassins
assate
assation
assaugement
assault
assaultable
assaulted
assaulter
assaulters
assaulting
assaultive
assaults
assasive
assaut
assay
assayable
assayed
assayer
assayers
assaying
assays
asbbaa
asse
as seal
as securation
as secureator
as secure
as secution
as sedat
as sedation
assegai
as segai ed
as segai ing
as segai ing
as segaing
as segais
asseize
asself
assembl
assemblable
assemblage
assemblage's
assemblages
assemblagist
as semblance
assemble
assembled
assembllee
assemblyment
assembler
assemblers
assembles
assemblies
assembling
assembly
assembly's
assemblyman
assemblymen
assemblywoman
assemblywomen
assent
assentaneous
assentation
assentatious
assentator
assentatorily
assentatory
assented
assenter
assenters
assentient
assenting
assentingly
assertive
assertiveness
assertor
assertors
asserts
asseour
assert
asserta
assertable
assertative
asserted
assertedly
asserter
asserters
assertible
asserting
assertingly
assertion
assertion’s
assertional
assertions
assertive
assertively
assertiveness
assertor
assertorial
assertorially
assertoric
assertorical
assertorically
assertorily
assertors
assertory
assertress
assertrix
asserts
assertum
asserve
asservilize
asses
assess
assessable
assessably
assessed
assessee
assientist
assiento
assiette
assify
assign
assignability
assignable
assignably
assignat
assignation
assignments
assignats
assigned
assignee
assignee's
assignees
assigneeship
assigner
assigners
assigning
assignment
assignment's
assignments
assignor
assignors
assigns
assilag
assimilability
assimilable
assimilate
assimilated
assimilates
assimilating
assimilation
assimilationist
assimilations
assimilative
assimilativeness
assimilator
assimilatory
assimulate
assinego
assinuate
assis
assisa
assisce
assish
assishly
assurers
assures
assurge
assurgency
assurgent
assuring
assuringly
assuror
assurers
asswage
asswaged
asswages
asswaging
assyntite
assyria
assyrian
assyrians
assyriologist
assyriology
assyth
assythment
ast
asta
astable
astacian
astalk
astarboard
astare
astart
astarte
astasia
astasias
astate
astatic
astatically
astaticity
astatine
astatines
astatize
astatized
astatizer
astatizing
astay
asteam
asteatosis
asteep
asteer
asteism
asthenical
asthenics
asthenes
asthenies
asthenobiosis
asthenobiotic
asthenolith
asthenology
asthenope
asthenophobia
asthenopia
asthenopic
asthenosphere
astheny
asthma
asthmatics
asthmatic
asthmatic
asthmatically
asthmatics
asthmoid
asthmogenic
asthore
asthorin
astichous
astigmat
astigmatic
astigmatically
astigmatism
astigmatizer
astigmatometer
astigmatometry
astigmatoscope
astigmatoscopies
astigmatoscopy
astigmia
astigmas
astigmatic
astigmism
astigmometer
astigmometry
astigmoscope
astilbe
astint
astipulate
astipulation
astir
astite
astogeny
astomatal
astomatous
astomia
astomous
astond
astone
astonied
astonies
astonish
astonished
astonishedly
astonisher
astonishes
astonishing
astonishingly
astonishingness
astonishment
astonishments
astony
astonying
astoop
astor
astore
astound
astoundable
astounded
astounding
astoundingly
astoundment
astounds
astr
astrachan
astracism
astraddle
astraea
astraean
astraeid
astraeform
astragal
astragalar
astragalectomy
astragli
astragalocalcaneal
astragalocentral
astragalomancy
astragalonavicular
astrobiology
astroblast
astrobotany
astrochemist
astrochemistry
astrochronological
astrocompass
astrocyte
astrocytic
astrocytoma
astrocytomas
astrocytomata
astrodiagnosis
astrodome
astrodynamic
astrodynamics
astrofet
astrofell
astrogate
astrogated
astrogating
astrogation
astrogational
astrogator
astrogeny
astrogeologist
astrogeology
astroglia
astrognosis
astrogonic
astrogony
astrograph
astrographer
astrographic
astrography
astrohatch
astroid
astroite
astrol
astrolabe
astrolabes
astrolabical
astrolater
astrolatry
astrolithology
astrolog
astrologaster
astrologe
astrologer
astrologers
astrologian
astrologic
astrological
astrolgically
astrologist
astrologistic
astrologists
astrologize
astrologous
astrology
astromancer
astromancy
astromantic
astromeda
astrometeorological
astrometeorologist
astrometeorology
astrometer
astrometric
astrometrical
astrometry
astron
astronaut
astronaut's
astronautic
astronautical
astronautically
astronautics
astronauts
astronavigation
astronavigator
astronomer
astronomer's
astronomers
astronomic
astronomical
astronomically
astronomics
astronomien
astronomize
astronomy
astrophel
astrophil
astrophobia
astrophotographer
astrophotographic
astrophotography
astrophotometer
astrophotometrical
astrophotometry
astrophyllite
astrophysical
astrophysicist
astrophysicists
astrophysics
astroscope
astroscopy
astrose
astrospectral
astrospectroscopic
astrosphere
astrospherecentrosomic
astrotheology
astrucitive
astrut
astucious
astuciously
astucity
astute
astutely
astuteness
astutious
astylanax
astylar
astyllen
asuang
asudden
asunder
aswail
aswarm
aswash
asway
asweat
aswell
asweve
aswim
aswing
aswirl
aswithe
aswoon
aswooned
aswough
asyla
asylabia
asyle
asyllabia
asyllabic
asyllabical
asylum
asylums
asymbiotic
asymbolia
asymbolic
asymbolical
asymmetral
asymmetranthous
asymmetric
asymmetrical
asymmetrically
asymmetries
asymmetrocarpous
asymmetry
asymptomatic
asymptomatically
asymptote
asymptote's
asymptotes
asymptotic
asymptotical
asymptotically
asymtote
asymtotes
asymtotic
asymtotically
asynapsis
asynaptic
asynartete
asynartetic
async
asynchronism
asynchronisms
asynchronous
asynchronously
asynchrony
asynodesis
asyneta
asynetetic
asynetically
asynedeton
asynetdons
asynergia
asynergy
asynaptic
asyngamy
asynaptic
asynonychus
asynonychus
asyntactic
asynonym
asynomie
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asynomal
asyno
atavist
ataistic
ataistically
ataists
ataus
ataxaphasia
ataxia
ataxiagram
ataxiagraph
ataxiometer
ataxiaphasia
ataxias
ataxic
ataxics
ataxies
ataxinomic
ataxite
ataxonomic
ataxophemia
ataxy
atazir
atbash
atchison
ate
atebrin
atechnic
atechnical
atechny
ated
atees
ateeter
atef
ateknia
atelectasis
atelectatic
ateleiisis
ateleene
ateleological
atelestite
atelets
atelic
atelier
ateliers
ateliosis
ateleiotic
ateillian
atelo
atelocardia
atelocephalous
ateloglossia
atelognathia
atelognathia
atelomitic
atelomyelia
atelorhachidia
atelostomia
ately
atemoya
atemoral
aterian
ates
ateuchi
ateuchus
athalamous
athalline
athamantin
athamaunte
athanasia
athanasian
athanasies
athanasy
athanor
athapaskan
athar
athbash
athecate
atheism
atheisms
atheist
atheist's
atheistic
atheistical
atheistically
atheisticalness
atheisticness
atheists
atheize
atheizer
athel
athelia
atheling
athelings
athematic
athena
athenaeum
athenaeums
athenee
atheneum
atheneums
athenian
athenians
athenor
athens
atheological
atheologically
atheology
atheous
athericeran
athericerous
atherine
athermancy
athermanous
athermic
athermous
atherogenesis
atherogenic
atheroma
atheromas
atheromasia
atheromata
atheromatosis
atheromatous
atheroscleroses
atherosclerosis
atherosclerotic
atherosclerotically
athetesis
atheticize
athetize
athetized
athetizing
athetoid
athetoids
athetotic
athetosis
athetotypic
athing
athink
athirst
athlete
athlete's
athletehood
athletes
athletic
athletical
athletically
athleticism
athletics
athletism
athletocracy
athlothe
athlothes
athodyd
athodyds
athogen
athold
athonite
athort
athrepsia
athreptic
athrill
athrive
athrob
athrocyte
athrocytosis
athrogenic
athrong
athrough
athumia
athwart
athwarthawse
athwartship
athwartships
athwartwise
athymia
athymic
athymy
athyreosis
athyria
athyrid
athyroid
athyroidism
athyrosis
atilt
atimon
atimy
ating
atinga
atinge
atinkle
atip
atiptoe
atis
atlanta
atlantad
atlantal
atlantean
atlantes
atlantic
atlantis
atlantite
atlantoaxial
atlantodidymus
atlantomastoid
atlantodontoid
atlantosaurus
atlas
atlases
atlatl
atlats
atle
atlee
atli
atloaxoid
atloid
atloidean
atloidoaxoid
atm
atma
atman
atmans
atmas
atmiatrics
atmiatry
atmid
atmidalbumin
atmidometer
atmidometry
atmo
atmocausis
atmocautery
atmoclastic
atmogenic
atmograph
atmologic
atmological
atmologist
atmology
atmolyses
atmolysis
atmolyzation
atmolyze
atmolyzer
atmometer
atmometric
atmometry
atmophile
atmos
atmosphere
atmosphere's
atmosphered
atmosphereful
atmosphereless
atmospheres
atmospheric
atmospherical
atmospherically
atmospherics
atmospherium
atmospherology
atmostea
atmosteal
atmosteon
atocha
atocia
atokal
atoke
atokous
atole
atoll
atoll's
atolls
atom
atom's
atomatic
atomechanics
atomerg
atomic
atomical
atomically
atomician
atomicism
atomicity
atomics
atomies
atomiferous
atop
atopen
atophon
atopic
atopies
atopite
atopy
atour
atopic
atoyic
atoxyl
atpoints
atrabilaire
atrabilar
atrabilarian
atrabilarious
atrabile
atrabiliar
atrabilarious
atrabiliary
atrabilious
atrabiliousness
atraceate
atragene
atrail
atrament
atramental
atramentary
atramentous
atraumatic
atrazine
atrazines
atrede
atremate
atrematous
atremble
atren
atrenne
atrepsy
atreptic
atresia
atresias
atresic
atresy
atreptic
atreus
atreus
atria
atrial
atrible
atrichia
atrichic
atrichosis
atrichous
atrickle
atrienses
atriensis
atriocoelectic
atrioporal
atriopore
atrioventricular
atrip
atrium
atriums
atroce
atroceruleous
atroceruleus
atrocha
atrochal
atrochous
atroious
atrociously
atrociousness
atrocities
atrocity
atrocity's
atrocoeruleus
atrolactic
atropaceous
atropal
atropamine
atrophia
atrophias
atrophiated
atrophic
atrophied
atrophies
atrophoderma
atrophous
atrophy
atrophying
atropia
atropic
atropin
atropine
atropines
atropinism
atropinization
attagirl
attain
attainability
attainable
attainableness
attainably
attainder
attainders
attained
attainer
attainers
attaining
attainment
attainment's
attainments
attainor
attains
attaint
attainted
attainting
attainmentment
attaints
attainture
attal
attaleh
attame
attapulgite
attar
attargul
attars
attask
attaste
attatched
attatches
atte
atteal
attemper
attemperament
attemperance
attemperate
attemperately
attemperation
attemperator
attempered
attempering
attempers
attempts
attempt
attemptability
attemptable
attempted
attempter
attempters
attempting
attemptive
attemptless
attempts
attend
attendance
attendance's
attendances
attendancy
attendant
attendant's
attendantly
attendants
attended
attendee
attendee's
attendees
attender
attenders
attending
attendingly
attendment
attendress
attends
attensity
attent
attentat
attentate
attention
attention’s
attentional
attentionality
attentions
attentive
attentively
attentiveness
attently
attenuable
attenuant
attenuate
attenuated
attenuates
attenuating
attenuation
attenuations
attenuative
attenuator
attenuator's
attenuators
atter
attercop
attercrop
atterminal
attermine
attermined
atterminement
attern
atterr
atterrate
attery
attest
attestable
attestant
attestation
attestations
attestative
attestator
attested
attester
attesters
attesting
attestive
attestor
attestors
attests
attic
attic's
attice
atticism
atticisms
atticist
atticists
atticize
atticized
atticizing
atticomastoid
attics
attid
attidae
attila
attinge
atingence
atingency
atingent
attirail
attire
attired
attirement
attirer
attires
attiring
attitude
attitude's
attitudes
attitudinal
attitudinarian
attitudinarianism
attitudinise
attitudinised
attitudiniser
attitudinising
attitudinize
attitudinized
attitudinizer
attitudinizes
attitudinizing
attitudist
attle
attn
attntrp
attollent
attomy
attorn
attornare
attorned
attorney
attorney's
attorneydom
attorneyism
attorneys
attorneyship
attorning
attornment
attorns
attouchement
attour
attourne
attract
attractability
attractable
attractableness
attractance
attractancy
attractant
attractants
attracted
attracter
attracticile
attracting
attractingly
attraction
attraction's
attractionally
attractions
attractive
attractively
attractiveness
activity
actor
actor's
actors
attracts
attrahent
attrap
attractionation
attrib
attributable
attributal
attribute
attributed
attributer
attributes
attributing
attrbution
attributional
attributions
attributive
attributively
attributiveness
attributives
attributor
attrist
attrite
attrited
attriteness
attriting
attrition
attritional
attritive
attritus
attributively
atropoment
attroupement
attrry
attune
attuned
attunely
attunement
attunes
attuning
attun
atty
atua
atule
atumble
atune
atveen
atwain
atweel
atween
atwin
atwind
atwirl
atwist
atwitch
atwite
atwitter
atwixt
atwo
atypic
atypical
atypicality
atypically
atyp
auantic
aubade
aubades
aubain
aubaine
aube
aubepine
auberge
auberges
aubergine
aubergiste
aubergistes  
aubin  
aubretia  
aubretias  
aubrieta  
aubrietas  
aubrietia  
aubrite  
auburn  
auburns  
aubusson  
auca  
auchenia  
auchenium  
aucht  
auckland  
auctary  
auction  
auctionary  
auctioned  
auctioneer  
auctioneer's  
auctioneers  
auctioning  
auctions  
auctor  
autorial  
auctorizate  
auctors  
aucuba  
aucubas  
aucupate  
aud  
audace  
audacious  
audaciously  
audaciousness  
audacities  
audacity  
audad  
audads  
audibility  
audible  
audibleness  
audibles  
audibly  
audience
audience's
audienceer
audiences
audiencia
audiencier
audient
audients
audile
audiles
auding
audings
audio
audioemission
audiogenic
audiogram
audiogram's
audiograms
audiological
audiologies
audiologist
audiologist's
audiologists
audiology
audiometer
audiometers
audiometric
audiometrically
audiometries
audiometrist
audiometry
audion
audiophile
audiophiles
audios
audiotape
audiotapes
audiotypist
audiovisual
audiovisuals
audiphone
audit
auditable
audited
auditing
audition
audition's
auditioned
auditioning
auditions
auditive
auditives
auditor
auditor's
auditoria
auditorial
auditorially
auditories
auditorily
auditorium
auditoriums
auditors
auditorship
auditory
auditotria
auditress
audits
auditual
audivise
audiviser
audivision
audubon
auf
aufait
aufgabe
aufklärung
aufakt
aug
auganite
auge
augean
augelite
augen
augend
augends
auger
auger's
augerer
augers
auget
augh
auht
aughtlins
aughts
augite
augites
augitic
auklet
auklets
auks
auksinai
auksinas
auksinu
au
aul
aula
aulacocarpous
aulae
aularian
aulas
auld
aulder
auldest
auldfarrantlike
auletai
aulete
auletes
auletic
auletrides
auletris
aulic
aulical
aulicism
aullay
auloi
aulophobia
aulophyte
aulos
aulostomid
aulu
aum
aumaga
aumail
aumakua
aumbries
aumbry
aumery
aumil
aumildar
aummbulatory
aumoniere
aumous
aumrie
auncel
aune
aunt
aunt's
aunter
aunters
aunthood
aunthoods
auntie
aunties
auntish
auntlier
auntliest
auntlike
auntly
auntr
auntrous
aunts
auntsary
auntship
aunty
aupaka
aura
aura's
aurae
aural
aurally
auramin
auramine
aurang
aurantia
aurantiaceous
aurantium
aurar
auras
aurata
urate
uratized
aural
aurate
aurated
aureal
aureate
aureately
aureateness
aureation
aurei
aureity
aurelia
aurelian
aurene
aureola
aureolae
aureolas
aureole
aureoled
aureoles
aureolin
aureoline
aureoling
aureomycin
aureous
aureously
aures
auresca
aureus
auribromide
auric
aurichalcite
aurichalcum
aurichloride
aurichlorohydric
auricle
auricled
auricles
auricomous
auricula
auriculae
auricular
auriculare
auriculares
auricularia
auriculariae
auricularian
auricularias
auricularis
auricarly
auricatars
auriculas
auriculate
auriculated
auriculately
auriculo
auriculocranial
auriculoid
auriculoparietal
auriculotemporal
auriculoventricular
auriculovertical
auricyanhydric
auricyanic
auricyanide
auride
auriferous
aurifex
aurific
aurification
aurified
auriflame
auriform
aurify
aurifying
auriga
aurigal
aurigation
aurigerous
aurignacian
aurigo
aurigraphy
aurilave
aurin
aurinasal
aurine
auriphone
auriphrigia
auriphrigate
auripigment
auripuncture
aurir
auris
auriscalp
auriscalpia
auriscalpium
auriscope
auriscopic
auriscopically
auriscopy
aurist
aurists
aurite
aurited
aurivorous
auroauric
aurobromide
auroch
aurochloride
aurochs
auromces
aurocyanide
aurodiamine
auronal
aurophobia
aurophore
aurora
aurorae
auroral
aurorally
auroras
aurore
aurorean
aurorium
aurotellurite
aurothiosulphate
aurothiosulphuric
aurous
aurrescu
aurulent
aurum
aurums
aurung
aurure
auryl
auscult
auscultoscope
auscultate
auscultated
auscultates
auscultating
auscultation
auscultations
auscultative
ausculator
auscultatory
auscultoscope
ausform
ausformed
ausforming
ausforms
ausgespielt
auslander
auslaut
auslauter
auspex
auspicate
auspicated
auspicating
auspice
auspices
autacoidal
autacoids
autaesthesia
autallotriomorphic
autantitypy
autarch
autarchic
autarchical
autarchically
autarchies
autarchist
autarchy
autarkic
autarkical
autarkically
autarkies
autarkik
autarkikal
autarkist
autarky
aute
autechroscope
autechicious
autechiously
autechiousness
autechism
autechisms
autechologic
autechological
autechologically
autechologist
autechology
autecy
autem
autere
auteur
auteurism
auteurously
auth
authentic
authentical
authentically
authenticalness
authenticatable
authenticate
authenticated
authenticates
authenticating
authorizes
authorizing
authorless
authoring
authorly
authors
authorship
authotype
autism
autisms
autist
autistic
auto
auto's
autoabstract
autoactivation
autoactive
autoaddress
autoagglutinating
autoagglutination
autoagglutinin
autoalarm
autoalkylation
autoallogamous
autoallogamy
autoanalysis
autoanalytic
autoantibody
autoanticomplement
autoantitoxin
autoasphyxiation
autoaspiration
autoassimilation
autobahn
autobahnen
autobahns
autobasidia
autobasidiomycetous
autobasidium
autobiographal
autobiographer
autobiographers
autobiographic
autobiographical
autobiographically
autobiographies
autobiographist
autobiography
autobiography's
autobiology
autoblast
autoboat
autoboating
autobolide
autobus
autobuses
autobusses
autocab
autocade
autocades
autocall
autocamp
autocamper
autocamping
autocar
autocarist
autocarp
autocarpian
autocarpic
autocarpous
autocatalepsy
autocatalyses
autocatalysis
autocatalytic
autocatalytically
autocatalyze
autocatharsis
autocatheterism
autocephalia
autocephalic
autocephality
autocephalous
autocephaly
autoceptive
autochanger
autochemical
autocholecystectomy
autochrome
autochromy
autochronograph
autochthon
autochthonal
autochthones
autochthonic
autochthonism
autochthonous
autochthonously
autochthonousness
autochthons
autochthony
autochton
autocide
autocinesis
autoclasis
autoclastic
autoclave
autoclaved
autoclaves
autoclaving
autocoder
autoceenobium
autoherer
autocoid
autocoids
autocollimate
autocollimation
autocollimator
autocollimators
autocolony
autocombustible
autocombustion
autocomplexes
autocondensation
autoconduction
autoconvection
autoconverter
autocopist
autocrophagous
autocorrelate
autocorrelation
autocorrosion
autocosm
autocracies
autocracy
autocrat
autocrat's
autocratic
autocratical
autocratically
autocraticalness
autocrator
autocraticic
autocraticical
autocratix
autoecous
autoecy
autoed
autoeducation
autoeducative
autoelectrolysis
autoelectrolytic
autoelectronic
autoelevation
autoepigraph
autoepilation
autoerotic
autoerotically
autoeroticism
autoerotism
autoette
autoexcitation
autofecundation
autofermentation
autofluorescence
autoformation
autofrettage
autogamic
autogamies
autogamous
autogamy
autogauge
autogeneal
autogeneses
autogenesis
autogenetic
autogenetically
autogenic
autogenies
autogenous
autogenously
autogenous
autogeny
autogiro
autogiros
autognosis
autognostic
autograft
autografting
autogram
autograph
autographal
autographed
autographer
autographic
autographical
autographically
autographing
autographism
autographist
autographometer
autographs
autography
autogravure
autogyro
autogyros
autoharp
autoheader
autohemic
autohemolysin
autohemolysis
autohemolytic
autohemorrhage
autohemotherapy
autoheterodyne
autoheterosis
autohexaploid
autohybridization
autohypnosis
autohypnotic
autohypnotically
autohypnotism
autohypnotization
autoicous
autoignition
autoimmune
autoimmunities
autoimmunity
autoimmunization
autoimmunize
autoimmunized
autoimmunizing
autoincrement
autoincremented
autoincrements
autoindex
autoindexing
autoinduction
autoinductive
autoinfection
autoinfusion
autoing
autoinhibited
autoinoculable
autoinoculation
autointellectual
autointoxicant
autointoxication
autoionization
autoirrigation
autoist
autojigger
autojuggernaut
autokinesis
autokinesy
autokinetic
autokrator
autolaryngoscope
autolaryngoscopic
autolaryngoscopy
autolater
autolatry
autolavage
autolesion
autolimnetic
autolith
autolithograph
autolithographer
autolithographic
autolithography
autoloader
autoloaders
autoloading
autological
autologist
autologous
autology
autoluminescence
autoluminescent
autolysate
autolyse
autolysin
autolysis
autolytic
autolyzate
autolyze
autolyzed
autolyzes
autolyzing
automobile
automobilism
automobilist
automobilistic
automobilists
automobility
automolite
automonstration
automorph
automorphic
automorphically
automorphism
automotive
automotor
automower
automone
automysophobia
autonavigator
autonavigator's
autonavigators
autonegation
autonephrectomy
autonephrotoxin
autonetics
autoneurotoxin
autonitridation
autonoetic
autonomasy
autonomic
autonomical
autonomically
autonomies
autonomist
autonomize
autonomous
autonomously
autonomousness
autonomy
autonym
autooxidation
autoparasitism
autopathic
autopathography
autopathy
autopelagic
autopepsia
autophagi
autophagia
autophagous
autophagy
autophobia
autophoby
autophon
autophone
autophonoscope
autophonous
autophony
autophotoelectric
autophotograph
autophotometry
autophthalmoscope
autophyllogeny
autophyte
autophytic
autophytically
autophytograph
autophytography
autopilot
autopilot's
autopilots
autopista
autoplagiarism
autoplasmotherapy
autoplast
autoplastic
autoplastically
autoplasties
autoplasty
autopneumatic
autopoint
autopoissonous
autopolar
autopo
autopoist
autopolyplody
autopolyplod
autopore
autoportrait
autoportraiture
autopositive
autopotamatic
autopotent
autoprogressive
autoproteolysis
autoprosthesis
autopsic
autopsical
autopsied
autopsies
autopsist
autopsy
autopsychic
autopsychoanalysis
autopsychology
autopsychorhythmia
autopsychosis
autopsyng
autoptic
autoptical
autoptically
autopticity
autoput
autopyotherapy
autor
autoracemization
autoradiogram
autoradiograph
autoradiographic
autoradiography
autorail
autoreduction
autoreflection
autoregenerator
autoregressive
autoregulation
autoregulative
autoregulatory
autoreinfusion
autoretardation
autorhythmic
autorhythmus
autoriser
autorotate
autorotation
autorotational
autoroute
autorrhaphy
autos
autoschediasm
autoschediastic
autoschediastical
autoschediastically
autoschediazé
autoscience
autoscope
autoscopic
autoscopy
autosender
autosensitization
autosensitized
autosepticemia
autoserotherapy
autoserum
autosexing
autosight
autosign
autosite
autoptic
autoskeleton
autosled
autoslip
autosomal
autosomally
autosomatognosis
autosomatognostic
autosome
autosomes
autosoteric
autosoterism
autospore
autosporic
autospory
autostability
autostage
autostandardization
autostarter
autostethoscope
autostoper
autostrada
autostradas
autostylic
autostylism
autostyly
autosuggest
autosuggestibility
autosuggestible
autosuggestion
autosuggestionist
autosuggestions
autosuggestive
autosuppression
autosymbiotic
autosymbolic
autosymbolical
autosymbolically
autosymnoia
autosyn
autosyndesis
autota
autotelegraph
autotelic
autotelism
autotetraploid
autotetraploidy
autothaumaturgist
autotheater
autotheism
autotheist
autotherapeutic
autotherapy
autothermy
autotimer
autotomic
autotomies
autotomise
autotomised
autotomising
autotomize
autotomized
autotomizing
autotomous
autotomy
autotoxaemia
autotoxemia
autotoxic
autotoxication
autotoxicity
autotoxicosis
autotoxin
autotoxix
autotractor
autotransformer
autotransfusion
autotransplant
autotransplantation
autotrepanation
autotriplaid
autotriploidy
autotroph
autotrophic
autotrophically
autotrophy
autotropic
autotropically
autotropism
autotruk
autotuberculin
autoturning
autotype
autotypes
autotypization
autotypic
autotypies
autotypography
autotypy
autourine
autovaccination
autovaccine
autovalet
autovalve
autovivisection
autoxeny
autoxidation
autooxidator
autoxidizability
autoxidizable
autoxidize
autoxidizer
autozooid
autre
autrefois
autumn
autumn's
autumnal
autumnally
autumnian
autumnity
autumns
autunite
autunites
auturgy
aux
auxamylase
auxanogram
auxanology
auxanometer
auxeses
auxesis
auxetic
auxetical
auxetrically
auxetics
auxil
auxiliar
auxiliaries
auxiliarly
auxiliary
auxiliate
auxilation
auxiliator
auxiliatory
auxilium
auxillary
auxility
auximone
auxin
auxinic
auxinically
auxins
auxoaction
auxoamylase
auxoblast
auxobody
auxocardia
auxochrome
auxochromic
auxochromism
auxochromous
auxocyte
auxoflore
auxofluor
auxograph
auxographic
auxohormone
auxology
auxometer
auxospore
auxosubstance
auxotonic
auxotox
auxotroph
auxotrophic
auxotrophy
av
ava
avadana
avertive
averts
aves
avesta
avestan
avestrux
aveugle
avg
avgas
avgases
avgasses
aviador
avian
avianization
avianize
avianized
avianizes
avianizing
avians
aviararies
aviaries
aviarist
aviarists
aviary
aviate
aviated
aviates
aviatic
aviating
aviation
aviational
aviations
aviator
aviator's
aviatorial
aviatoriality
aviators
aviatory
aviatress
aviatrice
aviatrices
aviatrix
aviatrixes
avichi
avicide
avick
aviculous
avicular
aviculaim
aviculairian
aviculairium
aviculairure
aviculaiturist
avid
avidin
avidins
avidious
avidously
avidities
avidity
avidly
avidness
avidnesses
avidous
avidya
avie
aview
avifauna
avifaunae
avifaunal
avifaunally
avifaunas
avifaunistic
avigate
avigation
avigator
avigators
avija
avilaria
avile
aviloment
avilion
avine
aviolite
avion
avionic
avionics
avions
avirulence
avirulent
avis
avision
aviso
avisos
avital
avitaminoses
avitaminosis
avitaminotic
avitic
avives
avizandum
avn
avo
avocado
avocadoes
avocados
avocat
avocate
avocation
avocation's
avocational
avocationally
avocations
avocative
avocatory
avocet
avocets
avodire
avodires
avogadrite
avogadro
avogram
avoid
avoidable
avoidably
avoidance
avoidances
avoidant
avoided
avoider
avoiders
avoiding
avoidless
avoidment
avoids
avoir
avoirdupois
avoike
avolate
avolation
avolitional
avondbloem
avos
avoset
axillaries
axillars
axillary
axillas
axils
axin
axine
axing
axiniform
axinite
axinomancy
axiolite
axiolitic
axiological
axiologically
axiologies
axiologist
axiology
axiom
axiom's
axiomatic
axiomatical
axiomatically
axiomatization
axiomatization's
axiomatizations
axiomatize
axiomatized
axiomatizes
axiomatizing
axioms
axion
axiopisty
axis
axised
axeses
axisymmetric
axisymmetrical
axisymmetrically
axisymmetry
axite
axites
axle
axle's
axled
axles
axlesmith
axletree
axotomous
axseed
axseeds
axstone
axtree
axunge
axweed
axwise
axwort
ay
ayacahuíte
ayah
ayahuasca
ayahs
ayahuasca
ayapana
ayatollah
ayatollahs
aye
ayegreen
ayelp
ayen
ayenbite
ayens
ayenst
ayes
ayield
ayin
ayins
ayless
aylet
ayllu
aymara
ayme
ayne
ayond
ayont
ayous
ayre
ayrishire
ays
ayu
ayudante
ayuntamiento
ayuntamientos
ayurveda
ayurvedas
ayuyu
azophenyl
azophenylene
azophosphin
azophosphore
azoprotein
azores
azorite
azorubine
azosulphine
azosulphonic
azotaemia
azotate
azote
azotea
azoted
azotemia
azotemias
azotemic
azotenesis
azotes
azotetrazole
azoth
azothionium
azoths
azotic
azotin
azotine
azotise
azotised
azotises
azotising
azotite
azotize
azotized
azotizes
azotizing
azotobacter
azotoluene
azotometer
azotorrhea
azotorrhoea
azotous
azoturia
azoturias
azovernine
azox
azoazole
azoixime
azoxine
azoxonium
azoxy
azoxyanisole
azoxybenzene
azoxybenzoic
azoxynaphthalene
azoxyphenetole
azoxytoluidine
azrael
aztec
azteca
aztecan
aztecs
azthionium
azulejo
azulejos
azulene
azuline
azulite
azulmic
azumbre
azure
azurean
azured
azureness
azureous
azures
azurine
azurite
azurites
azurmalachite
azurous
azury
azygobranchiate
azygomatous
azygos
azygoses
azygosperm
azygospore
azygote
azygous
azyme
azymite
azymous
b
b'hoy
b's
b/l
b/s
ba
baa
baaed
baahling
baaing
baal
baalim
baalism
baalisms
baals
baar
baas
baaskaap
baaskaaps
baaskap
bab
baba
babacoote
babai
babajaga
babakoto
babas
babasco
babassu
babassus
babasu
babaylan
babaylanes
babbage
babbie
babbishly
babbit
babbitt
babbitted
babbitter
babbitting
babbittry
babbits
babblative
babble
babbled
babblement
babbler
babblers
babbles
babblesome
babbling
babblingly
babblings
babblish
babblishly
babbly
babbool
babbools
babby
babcock
babe
babe's
babehood
barel
barel's
babelet
babeletlike
babelets
babery
babes
babeship
babesia
babesias
babesiasis
babesiosis
babiche
babiches
babied
babies
babillard
bablingtonite
babion
babirousa
babiroussa
babirusa
babirusas
babirussa
babis
babish
babished
babishly
babishness
babka
babkas
bablah
bable
bablohs
babloen
baboo
baboodom
babooism
babool
babools
baboon
baboonery
baboonish
baboonroot
baboons
baboos
baboosh
baboot
babouche
babracot
babroot
babu
babudom
babuina
babuism
babul
babuls
baburd
babus
babushka
babushkas
baby
babydom
babyfied
babyhood
babyhoods
babyhouse
babying
babyish
babyishly
babyishness
babyism
babylike
babylon
babylonia
babylonian
babylonians
babylonish
babylotry
babysat
babyship
babysit
babysitter
bacilliparous
bacilit
bacillogenic
bacillogenous
bacillogenia
bacillosis
bacilluria
bacillus
bacin
bacitracin
back
backache
backache's
backaches
backaching
backachy
backadation
backage
backare
backarrow
backarrows
backband
backbar
backbear
backbearing
backbeat
backbeats
backbencher
backbenchers
backbend
backbend's
backbends
backberand
backberend
backbit
backbite
backbiter
backbiters
backbites
backbiting
backbitingly
backbitten
backblocks
backblow
backboard
backboards
backbone
backbone's
backboned
backboneless
backbonelessness
backbones
backbrand
backbreaker
backbreaking
backcap
backcast
backcasts
backchain
backchat
backchats
backcloth
backcomb
backcountry
backcourt
backcourtman
backcross
backdate
backdated
backdates
backdating
backdoor
backdown
backdrop
backdrop's
backdrops
backed
backen
backened
backening
backer
backers
backet
backfall
backfatter
backfield
backfields
backfill
backfilled
backfiller
backfilling
backfills
backfire
backfired
backfires
backfiring
backflap
backflash
backflip
backflow
backflowing
backfold
backframe
backfriend
backfurrow
backgame
backgammon
backgeared
background
background's
backgrounds
backhand
backhanded
backhandedly
backhandedness
backhander
backhanding
backhands
backhatch
backhaul
backhauled
backhauling
backhauls
backheel
backhoe
backhoes
backhooker
backhouse
backhouses
backie
backiebird
backing
backings
backjaw
backjoint
backland
backlands
backlash
backlashed
backlasher
backlashes
backlashing
backless
backlet
backliding
backlighting
backlings
backlins
backlist
backlists
backlit
backlog
backlog's
backlogged
backlogging
backlogs
backlotter
backmost
backoff
backorder
backout
backouts
backpack
backpack's
backpacked
backpacker
backpackers
backpacking
backpacks
backpedal
backpedaled
backpedaling
backpiece
backplane
backplane's
backplanes
backplate
backpointer
backpointer's
backpointers
backrest
backrests
backrope
backropes
backrun
backrush
backrushes
backs
backsaw
backsaws
backscatter
backscattered
backscattering
backscatters
backscraper
backscratcher
backscratching
backseat
backseats
backset
backsets
backsetting
backsettler
backsey
backsheesh
backshift
backshish
backside
backsides
backsight
backsite
backslap
backslapped
backslapper
backsplatters
backslapping
backslaps
backslash
backslashes
backslid
backslidden
backslide
backslided
backslider
backsliders
backslides
backsliding
backslidingness
backspace
backspaced
backspacefile
backspacer
backspaces
backspacing
backspang
backspear
backspeer
backspeir
backspiere
backspin
backspins
backsplice
backspliced
backsplicing
backspread
backspringing
backstab
backstabbed
backstabber
backstabbing
backstaff
backstage
backstair
backstairs
backstamp
backstay
backstays
backster
backstick
backstitch
backstitched
backstitches
backstitching
backstone
backstop
backstopped
backstopping
backstops
backstrap
backstrapped
backstreet
backstretch
backstretches
backstring
backstrip
backstroke
backstroked
backstrokes
backstroking
backstromite
backswept
backswimmer
backswing
backsword
backswording
backswordman
backswordmen
backwordsman
backtack
backtalk
backtender
backtenter
backtrace
backtrack
backtracked
backtracer
backtrackers
backtracking
backtracks
backtrail
backtrick
backup
backups
backus
backveld
backvelder
backwall
backward
backwardation
backwardly
backwardness
backwards
backwash
backwashed
backwasher
backwashes
backwashing
backwater
backwater's
backwatered
backwaters
backway
backwind
backwinded
backwinding
backwood
backwoods
backwoodser
backwoodsisness
backwoodsman
backwoodsmen
backwoodsy
backword
backworm
backwort
backwrap
backwraps
backy
backyard
backyard's
backyarder
backyards
baclava
baclin
bacon
baconer
baconian
baconize
bacons
baconweed
bacony
bacquet
bact
bacteraemia
bacteremia
bacteremic
bacteria
bacteriaceous
bacteriaemia
bacterial
bacterially
bacterian
bacteric
bactericholia
bactercidal
bactericidally
bactericide
bactericides
bactericidin
bacterid
bacteriemia
bacteriform
bacterin
bacterins
bacterioagglutinin
bacterioblast
bacteriochlorophyll
bacteriocidal
bacteriocin
bacteriocyte
bacterioblast
bacteriology
bacteriologic
bacteriologically
bacteriologist
bacteriologically
bacteriogenic
bacteriogenous
bacteriohemolysin
bacterioid
bacterioidal
bacteriol
bacteriologic
bacteriological
bacteriologically
bacteriologies
bacteriologist
bacteriologists
bacteriology
bacteriolytic
bacteriolyze
bacteriopathology
bacteriophage
bacteriophages
bacteriophobia
bacteriophagic
bacteriophagous
bacteriophagy
bacterioprecipitin
bacterioprotein
bacteriopsonic
bacteriopsonin
bacteriopurpurin
bacteriorhodopsin
bacterioscopic
bacterioscopical
bacterioscopically
bacterioscopist
bacterioscopy
bacteriosis
bacteriosolvent
bacteriostasis
bacteriostat
bacteriostatic
bacteriostatically
bacteriotherapeutic
bacteriotherapy
bacteriotoxic
bacteriotoxin
bacteriotropic
bacteriotropin
bacteriotrypsin
baddishness
baddock
baddy
bade
badenite
badge
badged
badgeless
badgeman
badgemen
badger
badger's
badgerbrush
badgered
badgerer
badgering
badgeringly
badgerlike
badgerly
badgers
badgerweed
badges
badging
badgir
badhan
badiaga
badian
badigeon
badinage
badinaged
badinages
badinaging
badiner
badinerie
badineur
badious
badju
badland
badlands
badling
badly
badman
badmash
badmen
badminton
badmouth
badmouthed
badmouthing
badmouths
badness
badnesses
badrans
bads
bae
baedeker
baedekers
bael
baetuli
baetulus
baetyl
baetylic
baetylus
baetzner
bafaro
baff
baffed
baffeta
baffies
baffing
baffle
baffled
bafflement
bafflements
baffleplate
baffler
bafflers
baffles
baffling
bafflingly
bafflingness
baffs
baffy
baft
bafta
baftah
bag
bag's
baga
bagani
bagass
bagasse
bagasses
bagataway
bagatelle
bagatelle's
bagatelles
bagatine
bagattini
bagattino
bagel
bagel's
bagels
bagful
bagfuls
baggage
baggageman
baggagemaster
baggager
baggages
baggala
bagganet
bagge
bagged
bagger
bagger's
baggers
baggie
baggier
baggies
baggiest
baggily
bagginess
bagging
baggings
baggit
baggy
baggyrinkle
baggycrinkle
bagh
baghdad
baghla
baghouse
bagie
bagio
bagios
bagle
bagleaves
baglike
bagmaker
bagmaking
bagman
bagmen
bage
bagnes
balachong
balaclava
balada
baladine
balaenid
balaenoid
balaenoidian
balafo
balagan
balaghat
balaghaut
balai
balalaika
balalaika's
balalaikas
balance
balanceable
balanced
balancedness
balancelle
balanceman
balancement
balancer
balancers
balances
balancewise
balancing
balander
balandra
balandrana
balaneutics
balangay
balanic
balanid
balaniferous
balanism
balanite
balanitis
balanoblenorrhoea
balanocele
balanoid
balanophoraceous
balanophore
balanophorin
balanoplasty
balanoposthitis
balanopreputial
balanops
balanorrhagia
balant
balantidial
balantidiasis
balantidic
balantidiosis
balao
balaos
balaphon
balarao
balas
balases
balat
balata
balatas
balate
balatong
balatron
balatronic
balatte
balau
balausta
balaustine
balaustre
balayeuse
balboa
balboas
balbriggan
balbusard
balbutiate
balbutient
balbuties
balche
balcon
balcone
balconet
balconette
balconied
balconies
balcony
balcony's
bald
baldacchini
baldacchino
baldachin
baldachined
baldachini
baldachino
baldachinos
baldachins
baldakin
baldakin
baldquinn
baldberry
baldcrown
balded
balden
baldier
balderdash
baldest
baldfaced
baldhead
baldheaded
baldheads
baldicoot
balding
baldish
baldling
baldly
baldmoney
baldmoneys
baldness
baldnesses
baldquinn
baldpate
baldpated
baldpatedness
baldpates
baldrib
baldrick
baldricked
baldricks
baldrics
baldricewise
balds
balducta
balductum
baldy
bale
baleare
balebos
baled
baleen
baleens
balefire
balefires
baleful
balefully
balefulness
balei
baleise
baleless
baler
balers
bales
balestra
balete
balewort
baleys
bali
balian
balibago
balibuntal
balibuntl
balimbing
baline
balinese
baling
balinger
balinghasay
balisaur
balisauri
balisauri
balisauri
balister
balister
balistid
balistraria
balita
balitao
baliti
balize
balk
balkan
balkanization
balkanize
balkanized
balkanizing
balkans
balked
balker
balkers
balkier
balkiest
balkily
balkiness
balking
balkingly
balkish
balkline
balklines
balks
balky
ball
ballad
ballad’s
ballade
balladeer
balladeers
ballader
balladeroyal
ballades
balladic
balladical
balladier
balladise
balladised
balladising
balladism
balladist
balladize
balladized
balladizing
balladlike
ballading
balladmonger
balladmongering
balladries
balladromic
balladry
ballads
balladwise
ballahoo
ballahou
ballam
ballan
ballant
ballarag
ballard
ballas
ballast
ballast’s
ballist
ballista
ballistae
ballistic
ballistically
ballistician
ballisticians
ballistics
ballistite
ballistocardiogram
ballistocardiograph
ballistocardiographic
ballistocardiography
ballistophobia
ballium
ballmine
ballo
ballock
ballocks
balloen
ballogan
ballon
ballone
ballones
ballonet
balloonets
ballonette
ballonne
ballonnes
ballons
balloon
balloonation
ballooned
ballooner
ballooners
balloony
balloony
balloonery
balloone
balloonette
balloonflower
balloonful
ballooning
balloonish
balloonist
balloonlike
balloons
ballot
ballot's
balm
balm's
balmacaan
balmier
balmiest
balmily
balminess
balmlike
balmonies
balmony
balmoral
balmorals
balms
balmy
balnea
balneae
balneal
balneary
balneation
balneitory
balneographer
balneography
balneologic
balneological
balneologist
balneology
balneophysiology
balneotechnics
balneotherapeutics
balneotherapia
balneotherapy
balneum
balon
balonea
baloney
baloneys
baloo
balopticon
balotade
balourdise
balow
balr
bals
balsa
balsam
balsamaceous
balsamation
balsameaceous
balsamed
balsamer
balsamic
balsamical
balsamically
balsamiferous
balsamina
balsaminaceous
balsamine
balsaming
balsamitic
balsamiticness
balsamize
balsamo
balsamous
balsamroot
balsams
balsamum
balsamweed
balsamy
balsas
balsawood
baltei
balert
baltetei
balteus
baltheus
baltic
baltimore
baltimorite
balu
baluchi
baluchithere
baluchitheria
baluchitherium
balun
balushai
baluster
balustered
balusters
balustrade
balustrade's
balustraded
balustrades
balustrading
balut
balwarra
balza
balzarine
bam
bamah
bambacciata
banban
bambini
bambino
bambinos
bambocciade
bambochade
bamboche
bamboo
bamboos
bamboozle
bamboozled
bamboozlement
bamboozler
bamboozlers
bamboozles
bamboozling
bamboula
bambuco
bambuk
bambusa
bammed
bamming
bamoth
bams
ban
ban's
banaba
banago
banagos
banak
banakite
banal
banalities
banality
banalize
banally
banalness
banana
banana's
bananakuit
bananas
bananist
bananivorous
banat
banate
banatite
banausic
banbury
banc
banca
bancal
bancales
bancha
banchi
banco
bancos
bancus
band
banda
bandage
bandaged
bandager
bandagers
bandages
bandaging
bandagist
bandaid
bandaite
bandaka
bandala
bandalore
bandana
bandanaed
bandanas
bandanna
bandannaed
bandannas
bandar
bandarlog
bandbox
bandboxes
bandboxical
bandboxy
bandcase
bandcutter
bande
bandeau
bandeaus
bandeaux
banded
banded
bandelette
bandeng
bander
banderilla
banderillas
banderillero
banderilleros
banderlog
banderol
banderole
banderooled
banderoles
banderoling
banderols
banders
bandersnatch
bandfile
bandfiled
bandfiling
bandfish
bandgap
bandh
bandhava
bandhook
bandhu
bandi
bandicoot
bandicoots
bandicoy
bandido
bandidos
bandie
bandied
bandies
bandikai
bandiness
banding
bandit
bandit's
banditism
banditries
banditry
bandits
banditti
bandle
bandleader
bandless
bandlessly
bandlessness
bandlet
bandlimit
bandlimited
bandlimiting
bandlimits
bandman
bandmaster
bandmasters
bando
bandobust
bandog
bandogs
bandoleer
bandoleered
bandoleers
bandolerismo
bandolero
bandoleros
bandolier
bandoliered
bandoline
bandon
bandonion
bandora
bandoras
bandore
bandores
bandos
bandpass
bandrol
bands
bandsaw
bandsawed
bandsawing
bandsawn
bandsman
bandsmen
bandspreading
bandstand
bandstand's
bandstands
bandster
bandstop
bandstring
bandura
bandurria
bandurrias
bandwagon
bandwagon's
bandwagons
bandwidth
bandwidths
bandwork
bandworm
bandy
bandyball
bandying
bandylegged
bandyman
bane
banberries
banberry
baned
baneful
banefully
banefulness
banes
banewort
bang
banga
bangalay
bangalow
bangboard
bange
banged
banger
bangers
banghy
bangiaceous
banging
bangkok
bangkoks
bangladesh
bangle
bangle's
bangled
bangles
bangling
bangos
bangs
bangster
bangtail
bangtailed
bangtails
bangup
bangy
bani
bania
banian
banians
banig
banilad
baning
banish
banished
banisher
banishers
banishes
banishing
banishment
banishments
banister
banister's
banisterine
banisters
baniwa
baniya
banjara
banjo
banjo's
banjoes
banjoist
banjoists
banjore
banjorine
banjos
banjuke
banjulele
bank
bankable
bankbook
bankbooks
bankcard
bankcards
banked
banker
bankera
bankерdom
bankeress
bankers
banket
bankfull
banking
bannerlike
bannerline
bannerman
bannermen
bannerol
bannerole
bannertman
banners
bannerwise
bannet
bannets
bannimus
banning
bannister
bannisters
bannition
bannock
bannocks
banns
bannut
banovina
banque
banquet
banqueted
banqueteer
banqueteering
banqueter
banqueters
banqueting
banquetings
banquets
banquette
banquettes
banquo
bans
bansalague
bansela
banshee
banshee's
banshees
banshie
banshies
banstickle
bant
bantam
bantamize
bantams
bantamweight
baptisteries
baptistery
baptistic
baptistries
baptistry
baptistry's
baptists
baptizable
baptize
baptized
baptizee
baptizement
baptizer
baptizers
baptizes
baptizing
bar
bar's
bara
barabara
barabhas
barabora
barad
baradari
baragnosis
baragouin
baragounish
baraita
barajillo
baraka
baralipton
baramin
barandos
barangay
barani
bararesque
bararite
barasingha
barat
barathea
baratheas
barathra
barathron
barathrum
barato
baratte
barauna
baraza
barb
barba
barbacan
barbacou
barbadoes
barbados
barbal
barbaloin
barbar
barbara
barbaralalia
baraquesque
barbarian
barbarian's
barbarianism
barbarianize
barbarianized
barbarianizing
barbarians
barbaric
barbarical
barbarically
barbarious
barbariousness
barbarisation
barbarise
barbarised
barbarising
barbarism
barbarisms
barbarities
barbarity
barbarization
barbarize
barbarized
barbarizes
barbarizing
barbarous
barbarously
barbarousness
barbary
barbas
barbasco
barbascoes
barbascos
barbastel
barbastelle
barbate
<table>
<thead>
<tr>
<th>Word</th>
</tr>
</thead>
<tbody>
<tr>
<td>barbicanage</td>
</tr>
<tr>
<td>barbicans</td>
</tr>
<tr>
<td>barbicel</td>
</tr>
<tr>
<td>barbicels</td>
</tr>
<tr>
<td>barbierite</td>
</tr>
<tr>
<td>barbigerous</td>
</tr>
<tr>
<td>barbing</td>
</tr>
<tr>
<td>barbion</td>
</tr>
<tr>
<td>barbita</td>
</tr>
<tr>
<td>barbital</td>
</tr>
<tr>
<td>barbitalism</td>
</tr>
<tr>
<td>barbitals</td>
</tr>
<tr>
<td>barbiton</td>
</tr>
<tr>
<td>barbitone</td>
</tr>
<tr>
<td>barbitos</td>
</tr>
<tr>
<td>barbituism</td>
</tr>
<tr>
<td>barbiturate</td>
</tr>
<tr>
<td>barbiturates</td>
</tr>
<tr>
<td>barbituric</td>
</tr>
<tr>
<td>barbiturism</td>
</tr>
<tr>
<td>barble</td>
</tr>
<tr>
<td>barbless</td>
</tr>
<tr>
<td>barblet</td>
</tr>
<tr>
<td>barbola</td>
</tr>
<tr>
<td>barbone</td>
</tr>
<tr>
<td>barbotine</td>
</tr>
<tr>
<td>barbotte</td>
</tr>
<tr>
<td>barbouillage</td>
</tr>
<tr>
<td>barboy</td>
</tr>
<tr>
<td>barbre</td>
</tr>
<tr>
<td>bars</td>
</tr>
<tr>
<td>barbu</td>
</tr>
<tr>
<td>barbudo</td>
</tr>
<tr>
<td>barbudos</td>
</tr>
<tr>
<td>barbula</td>
</tr>
<tr>
<td>barbulate</td>
</tr>
<tr>
<td>barbule</td>
</tr>
<tr>
<td>barbules</td>
</tr>
<tr>
<td>barbulyie</td>
</tr>
<tr>
<td>barbut</td>
</tr>
<tr>
<td>barbute</td>
</tr>
<tr>
<td>barbuts</td>
</tr>
<tr>
<td>barbwire</td>
</tr>
<tr>
<td>barbwares</td>
</tr>
<tr>
<td>barcarole</td>
</tr>
<tr>
<td>barcaroles</td>
</tr>
<tr>
<td>barcarolle</td>
</tr>
<tr>
<td>barcas</td>
</tr>
</tbody>
</table>
barcella
barcelona
barcelonas
barchan
barchans
barche
barcolongo
barcone
bard
bard's
bardane
bardash
bardcraft
barde
barded
bardee
barden
bardelle
bardes
bardess
bardic
bardie
bardier
bardiest
bardiglio
bardily
bardiness
barding
bardings
bardish
bardism
bardlet
bardlike
bardling
bardo
bardocucullus
bardolater
bardolatry
bards
bardship
bardy
bare
bareback
barebacked
bareboat
bareboats
barebone
bareboned
barebones
bareca
bared
barefaced
barefacedly
barefacedness
barefisted
barefit
barefoot
barefooted
barege
bareges
barehanded
barehead
bareheaded
bareheadedness
bareka
bareknuckle
bareknuckled
barelegged
barely
barenecked
bareness
barenesses
barer
bares
baresark
baresarks
baresma
barest
bareesthesiabaret
baretta
barf
barfed
barff
barfing
barfish
barflies
barfly
barfly's
barfs
barful
barfy
bargain
bargainable
bargained
bargaine
bargainer
bargainers
bargaining
bargainor
bargains
bargainwise
bargander
barge
bargeboard
 barged
bargee
bargeer
bargees
bargeeze
bargehouse
bargelike
bargelli
bargello
bargellos
bargeload
bargeman
bargemaster
bargemen
bargepole
barger
barges
bargestone
bargh
bargham
barghest
barghests
barging
bargir
bargoose
barguest
barguests
barhal
barhop
barhopped
barhopping
barhops
bari
baria
bariatrician
bariatrics
baric
barid
barie
barkometer
barkpeel
barkpeeler
barkpeeling
barks
barksome
barkstone
barky
barlafumble
barlafunmil
barleduc
barleducs
barless
barley
barleybird
barleybrake
barleybreak
barleycorn
barleyhood
barleymow
barleys
barleysick
barling
barlock
barlow
barlows
barly
barm
barmaid
barmaidas
barman
barmaster
barmbrack
barmcloth
barmecidal
barmecide
barmen
barmfel
barmie
barmier
barmiest
barming
barmkin
barmote
barms
barmskin
barmy
barmybrained
barn
barn's
barnabas
barnabite
barnaby
barnacle
barnacled
barnacles
barnacling
barnage
barnard
barnbrack
barndoor
barney
barneys
barnful
barnhardtite
barnier
barniest
barnlike
barnman
barnmen
barns
barnstorm
barnstormed
barnstormer
barnstormers
barnstorming
barnstorms
barnumize
barny
barnyard
barnyard's
barnyards
barocco
baroclinicity
baroclinit
barocyclonometer
barodynamic
barodynamics
barognosis
barogram
barograms
barograph
barographic
barographs
baroi
baroko
barolo
barology
baromacrometer
barometer
barometer's
barometers
barometric
barometrical
barometrically
barometerograph
barometerography
barometry
barometz
baromotor
baron
baron's
baronage
baronages
baronduki
baroness
baronesses
baronet
baronetage
baronetcies
baronetcy
baroneted
baronethood
baronetical
baroneting
baronetise
baronetised
baronetising
baronetize
baronetized
baronetizing
baronets
baronetship
barong
barongs
baroni
baronial
baronies
baronize
baronized
baronizing
baronne
baronnes
baronries
baronry
barons
baronship
barony
barony's
barophobia
baroque
baroquely
baroqueness
baroques
baroreceptor
baroscope
baroscopic
baroscopy
baroscopical
barosinusitis
barosinusitus
barosmin
barostat
baroswitch
barotactic
barotaxis
barotaxy
barothermogram
barothermograph
barothermohygrogram
barothermohygrograph
baroto
barotrauma
barotraumas
barotraumata
barotropic
barotropy
barouche
barouches
barouchet
barouchette
baroxyton
barpost
barquantine
barque
barquentine
barques
barquest
barquettet
barr
barra
barrabkie
barrable
barreled
barreler
barrelet
barreleye
barreleyes
barrelfish
barrelfishes
barrelful
barrelfuls
barrelhead
barrelhouse
barrelhouses
barreling
barrelled
barrelling
barrelmaker
barrelmaking
barrels
barrelful
barrelwise
barren
barrener
barrenest
barrenly
barrenness
barrens
barrenwort
barrer
barrera
barres
barret
barretor
barretors
barretries
barretry
barrets
barrette
barretter
barrettes
barricade
barricade's
barricaded
barricader
barricaders
barricades
barricading
barricado
barricadoed
barricadoes
barricadoing
barricados
barrico
barricoes
barricos
barrier
barrier's
barriers
barriguda
barrigudo
barrigudos
barrikin
barriness
barring
barringer
barrio
barrios
barrister
barristerial
barristers
barristership
barristress
barroom
barrooms
barrow
barrowcoat
barrowful
barrowist
barrowman
barrows
barrulee
barrulet
barrulety
barruly
barry
bars
barse
barsom
barspoon
barstool
barstools
bart
bartend
bartended
bartender
bartender's
bartenders
bartending
bartends
barter
bartered
barterer
barterers
bartering
barters
barth
barthian
barthite
bartholinitis
bartholomew
bartisan
bartisans
bartizan
bartizaned
bartizans
bartlett
bartletts
barton
bartram
bartree
bartsia
baru
barukhzy
baruria
barvel
barvell
barwal
barware
barwares
barway
barways
barwin
barwing
barwise
barwood
barycenter
barycentre
barycentric
barye
baryeecoia
baryes
baryglossia
barylalia
barylite
baryon
baryonic
baryons
baryphonia
baryphonic
baryphony
barysilite
barysphere
barya
barytas
baryte
barytes
barythymia
barytic
barytine
barytocalcite
barytoceleste
barytoceleste
baryton
barytone
barytones
barytons
barytophylite
barytostrontianite
barytosulphate
bas
basad
basal
basale
basalia
basally
basalt
basaltes
basaltic
basaltiform
basaltine
basaltoid
basalts
basaltware
basan
basanite
basaree
basat
bascinet
basculation
bascule
bascules
bascunan
base
basicytoparaplastin
basidia
basidial
basidigital
basidigitaile
basidigitalia
basidiocarp
basidiogenetic
basidiolichen
basidiomycete
basidiomycetes
basidiomycetous
basidiophore
basidiospore
basidiosporous
basidium
basidorsal
basifacial
basification
basified
basifier
basifiers
basifies
basifixed
basifugal
basify
basifying
basigamous
basigamy
basigenic
basigenous
basiglandular
basigynium
basihyal
basihyoid
basil
basilar
basilard
basilary
basilateral
basilect
basileis
basilemma
basileus
basilian
basilic
basilica
basilicae
basipterygial
basipterygium
basipterygoid
basiradial
basirhinal
basirostral
basis
bascopic
basisidia
basisolute
basisphenoid
basisphenoidal
basitemporal
basitting
basiventral
basivertebral
bask
baske
basked
basker
basket
basket's
basketball
basketball's
basketballer
basketballs
basketful
basketfuls
basketing
basketlike
basketmaker
basketmaking
basketries
basketry
baskets
basketware
basketweaving
basketwoman
basketwood
basketwork
basketworm
basking
basks
basnat
basnet
basocyte
basoid
basommatophorous
bathmotropic
bathmotropism
bathochromatic
bathochromatism
bathochrome
bathochromatic
bathochromy
bathoflore
bathofloric
batholite
batholith
batholithic
batholiths
batholithic
bathomania
bathometer
bathometry
bathool
bathophobia
bathorse
bathos
bathoses
bathrobe
bathrobe's
bathrobes
bathroom
bathroom's
bathroomed
bathrooms
bathroot
baths
bathtub
bathtub's
bathtubful
bathtubs
bathukolpian
bathukolpic
bathvillite
bathwater
bathwort
bathyal
bathyanaesthesia
bathybian
bathybic
bathybius
bathcentesis
bathychrome
bathcolpian
bathycolpic
bathycurrent
bathyesthesia
bathygraphic
bathyhyperesthesia
bathyhypesthesia
bathy
bathylimnetic
bathyline
bathylic
bathylictic
bathymeter
bathymetric
bathymetrical
bathymetrically
bathymetry
bathyorographical
bathypelagic
bathyplankton
bathyscape
bathyscaphe
bathyscaphes
bathyseism
bathysmal
bathyspheric
bathyspherical
bathysphere
bathyspheres
bathythermogram
bathythermograph
batidaceous
batik
batiked
batiker
batiking
batiks
bating
batino
batiste
batistes
batitinan
batlan
batler
batlet
batlike
batling
baton
batlon
batman
batmen
batoid
baton
baton's
batoneer
batonist
batonistic
batonne
batonnier
batons
batoon
batophobia
batrachia
batrachian
batrachians
batrachiate
batrachite
batrachoid
batrachophagous
batrachophobias
batrachoplasty
batrachotoxin
bats
batsman
batsmanship
batsmen
batster
batswing
batt
batta
battable
battailant
battailous
battalia
battalias
battalion
battalion's
battalions
battarism
battarismus
batteau
batteaux
batted
battel
batted
batteler
battleful
battleground
battleground's
battlegrounds
battlement
battlement's
battlemented
battlements
battlepiece
battleplane
battler
battlers
battles
battleship
battleship's
battleships
battlesome
battlestead
battlewagon
battleward
battlewise
battling
battological
battologise
battologised
battologising
battologist
battologize
battologized
battologizing
battology
batton
batts
battu
battue
battues
batture
battuta
battutas
battute
battuto
battutos
batty
battycake
batukite
batule
batuque
batwing
bauxite
bauxites
bauxitic
bauxitite
bavardage
bavarian
bavarois
bavaroise
bavaroy
bavary
bavenite
bavette
baviaantje
bavian
baviere
bavin
bavoso
baw
bawarchi
bawbee
bawbees
bawble
bawcock
bawcocks
bawd
bawdier
bawdies
bawdiest
bawdily
bawdiness
bawdric
bawdrick
bawdrics
bawdries
bawdry
bawds
bawdship
bawdstrot
bawdy
bawdyhouse
bawdyhouses
bawhorse
bawke
bawl
bawled
bawler
bawlers
bawley
bawling
bawls
bawly
bawn
bawneen
bawrel
baws'nt
bawsint
bawsunt
bawtie
bawties
bawty
baxter
baxtone
bay
baya
bayadeer
bayadeers
bayadere
bayaders
bayal
bayamo
bayamos
bayano
bayard
bayardly
bayards
bayberries
bayberry
baybolt
baybush
baycuru
bayed
bayesian
bayeta
bayete
baygall
bayhead
baying
bayish
bayldonite
baylet
baylike
bayman
baymen
bayness
bayok
bayonet
beakless
beaklike
beaks
beaky
beal
beala
bealach
bealing
beallach
bealtared
beam
beamage
beambird
beamed
beamer
beamers
beamfilling
beamful
beamhouse
beamier
beamiest
beamily
beaminess
beaming
beamingly
beamish
beamishly
beamless
beamlet
beamlike
beamman
beamroom
beams
beamsman
beamsmen
beamster
beamwork
beamy
bean
beanbag
beanbags
beanball
beanballs
beancod
beaned
beaner
beaneries
beaners
beanery
beanfeast
beanfeaster
beanfest
beanfield
beanie
beanier
beanies
beaniest
beaning
beanlike
beano
beanos
beanpole
beanpoles
beans
beansetter
beanshooter
beanstalk
beanstalks
beant
beanweed
beany
beaproned
bear
bearability
bearable
bearableness
bearably
bearance
bearbaiter
bearbaiting
bearbane
bearberries
bearberry
bearbind
bearbines
bearbush
bearcat
bearcats
bearcoot
beard
bearded
bearedness
bearder
beardfish
beardishes
beardie
bearding
beardless
beardlessness
beardlike
beardom
beards
beardtongue
beardy
beared
bearer
bearers
bearess
bearfoot
bearfoots
bearherd
bearhide
bearhound
bearhug
bearhugs
bearing
bearings
bearish
bearishly
bearishness
bearleap
bearlet
bearlike
bearm
bearnaise
bearpaw
bears
bearship
bearskin
bearskins
beartongue
bearward
bearwood
bearwoods
bearwort
beast
beastbane
beastdom
beasthood
beastie
beasties
beastily
beastings
beastish
beastishness
beastlier
beastliest
beastlike
beastly
beastliness
beastling
beastlings
beastly
beastman
beasts
beastship
beat
beata
beatable
beatably
beatae
beatas
beatee
beaten
beater
beaterman
beatermen
beaters
beath
beati
beatific
beatifical
beatifically
beatificate
beatification
beatified
beatifies
beatify
beatifying
beatille
beatinest
beating
beatings
beatitude
beatitude's
beatiudes
beatles
beatless
beatnik
beatnik's
beatnikism
beatniks
beatrice
deads
deadster
deadus
deaduti
dead
dead's
deadclerk
deadcoup
deaded
deadetry
deadfet
deadfin
deadfort
deadfort
deadgregories
deadgregory
deading
deadish
deadism
deadjolais
deadme
deadmont
deadpere
deadpers
deads
deadseant
deadship
deadsire
deadt
deadteous
deadteously
deadteousness
deadti
deadtician
deadticians
deadtied
deadties
deadtification
deadtifications
deadtified
deadtifier
deadtifiers
deadtifies
deadiful
deadifully
deadifulness
deadify
deadifying
becard
becarpet
becarpeted
becarpeting
becarpets
becarve
becasse
becassine
becassocked
becater
because
beccabunga
beccaccia
beccafico
beccaficoes
beccaficos
becchi
becco
becense
bechained
bechalk
bechalked
bechalking
bechalks
bechamel
bechamels
bechance
bechanced
bechances
bechancing
becharm
becharmed
becharming
becharms
bechase
bechatter
bechauffeur
beche
becheck
becher
bechern
bechic
bechignoned
bechirp
becircled
becircled
becivet
beck
becked
beckelite
becker
becket
beckett
becking
beckiron
beckon
beckoned
beckoner
beckoners
beckoning
beckoningly
beckons
becks
beclad
beclamor
beclamored
beclamoring
beclamors
beclamour
beclang
beclap
beclart
beclasp
beclapsed
beclasping
beclasps
beclatter
beclaw
beclip
becloak
becloaked
becloaking
becloaks
beelog
beclogged
beclogging
beelogs
beclose
beclothe
beclothed
beclothes
beclothing
becloude
beclouded
beclouding
beclouds
becrippled
becrippling
becroak
becross
becrowd
becrowded
becrowding
becrowds
becrown
becrush
becrust
becrusting
becrusted
becrusts
becry
becudgel
becudged
becudgeling
becudgelled
becudgelling
becudgels
becuffed
becuiba
becumber
becuna
becurl
becurry
becurse
becursed
becurses
becursing
becurst
becurtained
becushioned
becut
bed
bed's
bedabble
bedabbled
bedabbles
bedabbling
bedad
bedaff
bedaggered
bedaggle
bedamn
bedammed
bedamning
bedflower
bedfoot
bedfordshire
bedframe
bedframes
bedgery
bedgoer
bedgown
bedgowns
bediademed
beddiamonded
bediaper
bediapered
bediapering
bediapers
bedight
bedighted
bedighting
bedights
bedikah
bedim
bedimmed
bedimming
bedimple
bedimpled
bedimples
bedimplies
bedimpling
bedims
bedin
bedip
bedirt
bedirter
bedirtied
bedirties
bedirty
bedirtying
bedismal
bedivere
bedizen
bedizened
bedizened
bedizening
bedizenment
bedizens
bedkey
bedlam
bedlamere
bedlamise
bedlamised
bedlamising
bedlamism
bedlamite
bedlamitish
bedlamize
bedlamized
bedlamizing
bedlamp
bedlamps
bedlams
bedlar
bedless
bedlids
bedlight
bedlike
bedmaker
bedmakers
bedmaking
bedman
bedmate
bedmates
bednighted
bednights
beddoctor
bedog
bedolt
bedot
bedote
bedotted
bedouin
bedouins
bedouse
bedown
bedoyo
bedpad
bedpan
bedpans
bedplate
bedplates
bedpost
bedpost's
bedposts
bedquilt
bedquilts
bedrabbble
bedrabbling
bedraggle
bedraggled
bedragglement
bedraggles
bedraggling
bedrail
bedrails
bedral
bedrape
bedraped
bedrapes
bedraping
bedravel
bedread
bedrel
bedrench
bedrenched
bedrenches
bedrenching
bedress
bedribble
bedrid
bedridden
bedriddenness
bedrift
bedright
bedrip
bedrite
bedrivel
bedriveled
bedriveling
bedrivelled
bedrivelling
bedrivels
bedrizzle
bedrock
bedrock's
bedrocks
bedroll
bedrolls
bedroom
bedroom's
bedrooms
bedrop
bedrown
bedrowse
bedrug
bedrugged
bedrugging
bedrugs
beds
bedscrew
bedsheet
bedsheets
bedsick
bedside
bedsides
bedsit
bedsite
bedsitter
bedsock
bedsonia
bedsonias
bedsore
bedsores
bedspread
bedspread's
bedspreads
bedspring
bedspring's
bedsprings
bedstaff
bedstand
bedstands
bedstaves
bedstead
bedstead's
bedsteads
bedstock
bedstraw
bedstraws
bedstring
bedswerver
bedtick
bedtickings
bedticks
bedtime
bedtimes
bedub
beduchess
beduck
beduin
beduins
beduke
bedull
bedumb
bedumbed
bedumbing
bedumbs
bedunce
bedunced
bedunces
bedunch
bedunciing
bedung
bedur
bedusk
bedust
bedward
bedwards
bedwarf
bedwarfed
bedwarfing
bedwarfs
bedwarmer
bedway
bedways
bedwell
bedye
bee
beearn
beeball
beebee
beebees
beebread
beebreads
beech
beechdrops
beecchen
beecher
beeches
beechier
beechiest
beechnut
beechnuts
beechwood
beechwoods
beechy
beedged
beedi
beedom
beef
beefalo
beefaloes
beelines
beelol
beelzebub
beeman
beemaster
beemen
been
beenut
beent
beento
beep
beeped
beeper
beepers
beeping
beeps
beer
beerage
beerbachite
beerbelly
beerbibber
beeregar
beerhouse
beerhouses
beerier
beeriest
beerily
beeriness
beerish
beerishly
beermaker
beermaking
beermonger
beerocracy
beerpull
beers
beery
bees
beest
beesting
beestings
beestride
beeswax
beeswaxes
beeswing
beeswinged
beeswings
beet
beet's
terewk
beetfly
beeth
beethoven
beetiest
beetle
beetle's
beetled
beetlehead
beetleheaded
beetleheadedness
beetler
beetlers
beetles
beetlestock
beetlestone
beetleweed
beetlike
beetling
beetmister
beetrave
beetroot
beetroots
beetrooty
beets
beety
beeve
beeves
beevish
beeware
beeway
beeweed
beewinged
beewise
beewort
beeyard
beezzer
beezzers
bef
befall
befallen
befalling
befalls
befame
befamilied
befamine
befan
befancy
befanned
befathered
befavor
befavour
befather
befell
beferned
befetished
befetter
befezzed
befroy
befiddle
befilch
befile
befilleted
befilmed
befilth
befinger
befingered
befingering
befingers
befire
befist
befit
befit's
befits
befitted
befitting
befittingly
befittingness
beflag
beflagged
beflagging
beflags
beflannel
beflap
beflatter
beflea
befleaed
befleaining
befleas
befleck
beflecked
beflecking
beflecks
beflounce
beflour
befriender
befriend
befriend
befriending
befriendment
befriends
befrill
befrilled
befringe
befringed
befringes
befringing
befrizes
befrilli
befrilled
befringe
befringed
befringes
befringing
befrizzes
befrill
befrilled
befringe
befringed
befringes
befringing
befriz
befrock
befrocked
befrocked
befrocked
befrogs
befrogs
befrounce
befrumples
befuddle
befuddled
befuddlement
befuddlements
befudder
befuddlers
befudives
befuddles
befuddling
befumes
befur
befurbelowed
befurried
beg
begables
begad
begalls
begalled
begalling
begalls
began
begani
begar
begari
begarie
begarlanded
begarnish
begartered
begary
begash
begass
begat
begats
begattal
begoggled
begohm
begone
begonia
begoniaceous
begonias
begorah
begorra
begorrah
begorry
begot
begotten
begottenness
begoud
begowk
begowned
begrace
begrain
begrave
begray
begrase
begrar
begratta
begratt
begrime
begrime
begrimes
begriming
begrimed
begrimer
begrimes
begriming
begrims
begripe
begroan
begroaned
begroaning
begroans
begrown
begrudge
begrudging
begrudgingly
begruntle
begrutch
begrutten
begs
begster
beguard
beguess
beguile
beguiled
beguileful
beguilement
beguilements
beguiler
beguilers
beguiles
beguiling
beguilingly
beguilingness
beguin
beguine
beguines
begulf
begulfed
begulfing
begulfs
begum
begummed
begumming
begums
begun
begunk
begut
behale
behalf
behallow
behalves
behammer
behang
behap
behatted
behay
behave
behaved
behaver
behavers
behaves
behaving
behavior
behavioral
behaviorally
behaviored
behaviorism
behaviorist
behavioristic
behavioristically
behaviorists
behaviors
behaviour
behavioural
behaviourally
behaviourism
behaviourist
behaviours
behead
beheadal
beheaded
beheader
beheading
beheadlined
beheads
behear
behears
behearse
behedge
beheira
beheld
behelp
behemoth
behemothic
behemoths
behen
behenate
behenic
behest
behests
behew
behight
behind
behinder
behindhand
behinds
behindsight
behind
behither
behn
behold
beholdable
beholder
beholden
beholders
belauder
belauding
belauds
belavendered
belay
belayed
belayer
belaying
belays
belch
belched
belcher
belchers
belches
belching
beld
beldam
beldame
beldames
beldams
beldamship
belder
belderroot
belduque
beleaf
beleaguer
beleaguered
beleaguerer
beleaguering
beleaguerment
beleaguers
beleap
beleaped
beleaping
beleaps
beleapt
beleave
belection
belecture
beledgered
belee
beleed
beleft
belemnid
belemnite
belemnitic
belemnoid
beleper
beliing
belike
beliked
belikely
belime
belimousined
belion
beliquor
beliquored
beliquoring
beliquors
belite
belitter
belittle
belittled
belittlement
belittler
belittlers
belittles
belittling
belive
belk
belknap
bell
bell's
belladonna
bellarmine
bellbind
bellbinder
bellbine
bellbird
bellbirds
bellbottle
bellboy
bellboy's
bellboys
belle
belle's
belled
belledom
belleek
belleeks
bellehood
belleric
bellerophon
belles
belleter
belletrist
belletristic
belletrists
bellevue
bellflower
bellhanger
bellhanging
bellhop
dellhop’s
dellhops
dellhouse
delli
debbivone
dellic
dellical
dellicism
dellicist
dellicose
dellicosely
dellicoseness
dellicosities
dellicosity
dellied
dellies
delliferous
delligerence
delligerencies
delligerency
delligerent
delligerent’s
delligerently
delligerents
delling
dellipotent
dellite
dellmaker
dellmaking
dellman
dellmanship
dellmaster
dellmen
dellmouth
dellmouthed
dello
dello
bellona
dellonion
delloot
dellota
bellyfulls
bellyfuls
bellying
bellyland
bellylike
bellyman
bellypiece
bellypinch
beloam
belock
beloeilite
beloid
belomaney
belonephobia
belonesite
belong
belonged
beloner
belonging
belongings
belongs
belonid
belonite
belonoid
belonosphaerite
belook
belord
belorussian
belotte
belouke
belout
belove
beloved
beloveds
below
belowdecks
belowground
belows
belowstairs
belozenged
bels
belshazzar
belsire
belswagger
belt
beltane
beltcourse
belted
bemoaner
bemoaning
bemoaningly
bemoans
bemoat
bemock
bemocked
bemocking
bemocks
bemoil
bemoisten
bemol
bemole
bemolt
bemonster
bemoon
bemotto
bemoult
bemourn
bemouth
bemuck
bemud
bemuddle
bemuddled
bemuddlement
bemuddles
bemuddling
bemuddy
bemuffle
bemurmur
bemurmure
bemurmured
bemurmuring
bemurmurs
bemuse
bemused
bemusedly
bemusement
bemuses
bemusing
bemusk
bemuslined
bemuzzle
bemuzzled
bemuzzles
bemuzzling
ben
bena
benab
benadryl
bename
benameed
benamee
benames
benami
benamidar
benaming
benasty
benben
bench
benchboard
benched
bencher
benchers
benchership
benches
benchfellow
benchful
benching
benchland
benchless
benchlet
benchman
benchmark
benchmark's
benchmarked
benchmarking
benchmarks
benchmen
benchwarmer
benchwork
benchy
bencite
bend
benda
bendability
bendable
benday
bendayed
bendaying
bendays
bended
bendee
bendees
bendel
bendell
bender
benders
bendies
bending
bendingly
bendlet
bends
bendsome
bendways
bendwise
bendy
bendys
bene
beneaped
beneath
beneception
beneceptive
beneceptor
benedicate
benedick
benedicks
benedict
benedickte
benedictine
benediction
benediction's
benedictional
benedictionale
benedictionary
benedictions
benedictive
benedictively
benedictory
benedicts
benedictus
benedight
benefact
benefaction
benefactions
benefactive
benefactor
benefactor's
benefactors
benefactorship
benefactory
benefactress
benefactresses
benefactrices
benefactrix
benefactrixes
benefic
benefice
beneficed
beneficeless
beneficence
beneficences
beneficency
beneficient
beneficential
beneficently
benefices
beneficiaire
beneficial
beneficially
beneficialness
beneficiaries
beneficiary
beneficiaryship
beneficiate
beneficiated
beneficiating
beneficiation
beneficience
beneficient
beneficing
beneficium
benefit
benefited
benefiter
benefiting
benefits
benefitted
benefitting
benegro
beneighbored
beneme
benempt
benempted
beneplacit
beneplacito
beneplacity
benes
benet
benetted
benetting
benettle
benne
bennel
bennes
bennet
bennets
bennettitaceous
bennetweed
benni
bennies
bennis
benniseed
benny
beno
benomyl
benomyls
benorth
benote
bens
bensail
bensall
bensel
bensell
bensh
bensha
benshee
benshi
bensil
bent
bentang
bentgrass
benthal
benthamism
benthic
benthon
benthonic
benthopelagic
benthos
benthoscope
benthoses
bentinck
bentiness
benting
bentlet
bentonite
bentonitic
bents
bentstar
bentwood
bentwoods
benty
benumb
benumbed
benumbedness
benumbing
benumbingly
benumbment
benumbs
benvenuto
benward
benweed
benzacridine
benjal
benzalacetone
benzalanilone
benzalaniline
benzalazine
benzalcohol
benzalcyanhydrin
benzaldehyde
benzaldiphenyl
benzaldoxime
benzalethylamine
benzalhydrazine
benzalphenylhydrazone
benzalphthalide
benzamide
benzamido
benzamine
benzaminic
benzamino
benzanalgen
benzanilide
benzanthracene
benzanthrone
benzantialdoxime
benzazide
benzazimide
benzazine
benzazole
benzbithiazole
benzdiazine
benzdifuran
benzdioxazine
benzdioxidazine
benzdioxtriazine
benzedrline
benzein
benzene
benzeneazobenzene
benzenediazonium
benzenes
benzenoid
benzenyl
benzhydrol
benzhydroxamic
benzidin
benzidine
benzidino
benzidins
benzil
benzilic
benzimidazole
benziminazole
benzin
benzinduline
benzine
benzines
benzins
benzo
benzoate
benzoated
benzoates
benzoozurine
benzobis
benzocaine
benzocoumaran
benzodiazine
benzdiazole
benzoflavine
benzofluorene
benzofulvene
benzofuran
benzofuroquinoxaline
benzofuryl
benzoglycolic
benzoglyoxaline
benzohydrol
benzoic
benzoid
benzoin
benzoinated
benzoins
benzoiodohydrin
benzol
benzolate
benzole
benzoles
benzoline
benzolize
benzols
benzomorpholine
benzonaphthol
benzonitrile
benzonitrol
benzoperoxide
benzophenantrazine
benzophenanthroline
benzophenazine
benzophenol
benzophenone
benzophenothiazine
benzophenoxazine
benzophenanthrazine
benzopinacene
benzopyrane
benzopyrylamyl
benzopyrazolone
benzopyrene
benzopyrylium
benzoquinoline
benzoquinone
benzoquinoxaline
benzosulphimide
benzosulphimide
benzotetrazene
benzotetrazole
benzothiazine
benzothiazole
benzothiazoline
benzothiodiazole
benzothiophene
benzothiopyran
benzotoluidide
benzotriazine
benzotriazole
benzotrichloride
benzotrifluoride
benzotrifuran
benzoxtate
benzoxy
benzoxyacetic
benzoxyacamphor
benzoxyphenanthrene
benzoyl
benzoylate
benzoylated
benzoylating
benzoylation
benzoylformic
benzoylglycine
benzoyls
benzopinacone
benzpyrene
benzthiophen
benztriazoxazine
benzyl
benzylamine
benzylic
benzyldene
benzylpenicillin
benzyls
beode
beowulf
bepaid
bepaint
bepainted
bepainting
bepaints
bepale
bepaper
beparch
beparody
beparse
bepart
bepaste
bepastured
bepat
bepatched
bepaw
bepearl
bepelt
bepen
bepepper
beperiwigged
bepester
bepewed
bepewed
bephilter
bephrase
bepicture
bepiece
bepierce
bepile
bepill
bepillared
bepimple
bepimpled
bepimples
bepimpling
bepinch
bepistoled
bepity
beplague
beplaided
beplaster
beplumed
bepommel
bepowder
bepraise
bepraisement
bepraiser
beprank
bepranked
bepray
bepreach
bepress
bepretty
bepride
beprose
bepuddle
bepuff
bepuffed
bepun
bepurple
bepuzzle
bepuzzlement
bequalm
bequealm
bequeath
bequeathable
bequeathal
bequeathed
bequeather
bequeathing
bequeathment
bequeaths
bequest
beryllonate
beryllonite
beryllosis
beryls
beryx
berzelianite
berzeliiite
bes
besa
besagne
besague
besaile
besaille
besaint
besan
besanctify
besand
besant
besauce
besayle
bescab
bescarf
bescatter
bescent
bescorch
bescorched
bescorches
bescorching
bescorn
bescoundrel
bescour
bescoured
bescourge
bescouring
bescours
bescramble
bescrape
bescratch
bescrawl
bescreen
bescreened
bescreening
bescreens
bescribble
bescribbled
bescribbling
bescurf
bescurvy
bescutcheon
beseam
besee
beseech
beseeched
beseecher
beseechers
beseeches
beseeching
beseechingly
beseechingness
beseechment
beseek
beseem
beseemed
beseeming
beseemingly
beseemingness
beseemliness
beseemly
beseems
beseen
beseige
beset
besetment
besets
besetter
besetters
besetting
besew
beshackle
beshade
beshadow
beshadowed
beshadowing
beshadows
beshag
beshake
beshame
beshamed
beshames
beshaming
beshawled
beshhear
beshell
beshield
beshine
beshiver
beslimer
beslimes
besliming
beslings
beslipper
beslobber
beslow
beslubber
besluit
beslur
beslushed
besmear
besmeared
besmearer
besmearing
besmears
besmell
besmile
besmiled
besmiles
besmiling
besmirch
besmirched
besmircher
besmirchers
besmirches
besmirching
besmirchment
besmoke
besmoked
besmokes
besmoking
besmooth
besmothed
besmoothing
besmooths
besmother
besmottered
besmouch
besmudge
besmudged
besmudges
besmudging
besmut
besmutch
besmuts
besmuttered
besmuttering
besnare
bspneer
bspnivel
bspnow
bspnowed
bspowing
bspnows
bspnuff
bspodden
esogne
esognier
esoil
esoin
esom
esomer
esoms
esonio
esonnet
esoot
esoothe
esoother
esoothement
esoothes
esoothering
esor
esot
esotment
esots
esotted
esottedly
esottedness
esotter
esotting
esottingly
esought
esoul
esour
esouth
espake
espangle
espangled
espangles
espangling
espate
espatter
espattered
espatterer
espattering
bespatterment
bespatters
bespawl
bespeak
bespeakable
bespeaker
bespeaking
bespeaks
bespecked
bespeckle
bespeckled
bespecklement
bespectacled
besped
bespeech
bespeed
bespell
bespelled
bespend
bespete
bespew
bespice
bespill
bespin
bespirit
bespit
besplash
besplatter
besplatter
besplit
bespoke
bespoken
bespot
bespotted
bespottedness
bespotting
bespouse
bespoused
bespouses
bespousing
bespout
bespray
bespread
bespreading
bespreads
bespreng
besprent
bespring
besprinkle
besprinkled
besprinkler
besprinkles
besprinkling
besprizorni
bes spurred
bespurt
besputter
bespy
bes squeeze
bes quib
besquirt
besra
bess
bessel
bessemer
bessemerize
bessemerized
bessemerizing
besses
best
bestab
bestad
bestain
bestamp
bestand
bestar
bestare
bestarve
bestatued
bestay
bestayed
bestead
besteaded
besteading
besteats
besteast
besteal
bested
besteer
bestench
bester
bestial
bestialise
bestialised
bestialising
bestialism
bestialist
bestialities
bestrewment
bestrewn
bestrews
bestrid
bestridden
bestride
bestridden
bestrides
bestriding
bestripe
bestrode
bestrow
bestrowed
bestrowing
bestrown
bestrows
bestrut
bests
bestseller
bestseller's
bestsellerdom
bestsellers
bestselling
bestubble
bestubbled
bestuck
bestud
bestuddled
bestudding
bestuds
bestuur
besugar
besugo
besuit
besully
beswarm
beswarmed
beswarming
beswarms
besweatered
besweeten
beswelter
beswim
beswinge
beswink
beswitch
bet
bet's
beta
betacaine
betacism
betacismus
betafite
betag
betail
betailor
betain
betaine
betaines
betainogen
betake
betaken
betakes
betaking
betalk
betallow
betanaphthol
betangle
betanglement
betas
betask
betassel
betatron
betatrons
betatter
betatttered
betattering
betatters
betaxed
bete
beteach
betear
beteela
beteem
betel
betelgeuse
betell
betelnut
betelnuts
betels
beterschap
betes
beth
bethabara
bethank
bethanked
betokened
betokener
betokening
betokenment
betokens
beton
betone
betongue
betonica
betonies
betons
betony
betook
betorcin
betorcinol
betorn
betoss
betowel
betowered
betra'ying
betrace
betrail
betraise
betrample
betrap
betravel
betray
betrayal
betrayals
betrayed
betrayer
betrayers
betraying
betrayment
betrays
betread
betrend
betrim
betrinket
betroth
betrothal
betrothals
betrothed
betrothing
betrothment
betroths
betrough
betrousered
betrumpet
betrunk
betrust
bets
betso
betta
bettas
betted
better
bettered
betterer
bettergates
bettering
betterly
betterment
betterments
bettermost
betterness
betters
betties
betting
bettong
bettonga
bettor
bettors
betty
betuckered
betulaceous
betulin
betulinamaric
betulic
betulinol
betumbled
beturbaned
betusked
betutor
betutored
betwattled
between
betweenbrain
betweenity
betweenmaid
betweenness
betweens
betweentimes
betweenwhiles
betwine
betwit
betwixen
betwixt
beudanite
beudantite
beulah
beuncled
beuniformed
beurre
bevaring
bevatron
bevatrons
beveil
bevel
beveled
beveler
bevelers
beveling
bevelled
beveller
bevellers
bevelling
bevelment
bevels
bevenom
bever
beverage
beverage's
beverages
beverse
bevesseled
bevesselled
beveto
bevies
bevil
bevillain
bevilled
bevined
bevoiled
bevoiled
bevomit
bevomited
bevomiting
bevomits
bevor
bevors
bevue
bevvy
bevy
bewail
bewailable
bewailed
bewailer
bewailers
bewailing
bewailingly
bewailment
bewails
bewaitered
bewake
bewall
beware
bewared
bewares
bewaring
bewary
bewash
bewaste
bewater
bewearied
bewearies
beweary
bewearying
beweep
beweeper
beweeeping
beweeps
bewelcome
bewelter
bewend
bewept
bewest
bewet
bewhig
bewhisker
bewhiskered
bewhispered
bewhistle
bewhite
bewhiten
bewhore
bewidow
bewield
bewig
bewigged
bewigging
bewigs
bewilder
bewildered
bewilderedly
bewilderedness
bewilderering
bewilderingly
bewilderment
bewilders
bewimple
bewinged
bewinter
bewired
bewit
bewitch
bewitched
bewitchedness
bewitcher
bewitchery
bewitches
bewitchful
bewitching
bewitchingly
bewitchingness
bewitchment
bewitchments
bewith
bewizard
bewonder
bework
beworm
bewormed
beworming
beworms
beworn
beworried
bewories
beworry
beworrying
beworship
bewpers
bewrap
bewrapped
bewrapping
bewraps
bewrapt
bewrathed
bewray
bewrayed
bewrayer
bezzants
bezzi
bezzle
bezzled
bezzling
bezzo
bf
bg
bhabar
bhagat
bhagavat
bhagavata
bhaiachara
bhaiachari
bhaiyachara
bhajan
bhakta
bhaktas
bhakti
bhaktimarga
bhaktis
bhalu
bhandar
bhandari
bhang
bhangi
bhangs
bhora
bharal
bharti
bhat
bhava
bhavan
bd
bheestie
bheesties
bheesty
bhikhari
bhikku
bhikshu
bhindi
bhishti
bhisti
bhistie
bhisties
bhookra
bhoosa
bhoot
biasedly
biases
biasing
biasness
biasnesses
biassed
biassedly
biasses
biasing
biastic
biasways
biaswise
biathlon
biathlons
biatomic
biaural
biauricular
biauriculate
bixal
bixial
bixiality
bixially
bixillary
bib
bib's
bibacious
bibaciousness
bibacity
bibasic
bibation
bibb
bibbed
bibber
bibberies
bibbers
bibbery
bibbing
bibble
bibbled
bibbler
bibbling
bibbons
bibbons
bibbs
bibby
bibcock
bibcocks
bibelot
bibelots
bibliomane
bibliomania
bibliomaniac
bibliomaniacal
bibliomanian
bibliomanianism
bibliomanism
bibliomanist
bibliopegic
bibliopegically
bibliopegist
bibliopegistic
bibliopegistical
bibliopegy
bibliophage
bibliophagic
bibliophagist
bibliophagous
bibliophil
bibliophile
bibliophiles
bibliophilic
bibliophilism
bibliophilist
bibliophilistic
bibliophily
bibliophobe
bibliophobia
bibliopolar
bibliopole
bibliopolery
bibliopolic
bibliopolical
bibliopolically
bibliopolism
bibliopolist
bibliopolistic
bibliopoly
bibliosoph
bibliotaph
bibliotaphe
bibliotaphic
bibliothec
bibliotheca
bibliothecae
bibliothecaire
bibliothecal
bibliothecarial
biclinia
biclinium
bicollateral
bicollaterality
bicolligate
bicolor
bicolored
bicolorous
bicolors
bicolour
bicoloured
bicolourous
bicolours
bicomplex
biconcave
biconcavity
biconditional
bicondylar
bicone
biconic
biconical
biconically
biconjugate
biconnected
biconsonantal
biconvex
biconvexity
bicorne
bicorne
bicorne
bicorne
bicorns
bicorporal
bicorporate
bicorporeal
bicostate
bicrenate
birescentic
bicronfarad
bicron
bicrons
bierural
bicuculline
biculural
bicentralism  
bicentral  
bicuspid  
bicuspidal  
bicuspidate  
bicuspsids  
bicyanide  
bicycle  
bicycled  
bicycler  
bicyclers  
bicycles  
bicyclic  
bicyclical  
bicycling  
bicyclism  
bicyclist  
bicyclists  
bicyclo  
bicycloheptane  
bicycular  
bicylindrical  
bid  
bid's  
bidactyl  
bidactyle  
bidactylous  
bidar  
bidarka  
bidarkas  
bidarkee  
bidarkees  
bidcock  
biddability  
biddable  
biddableness  
biddably  
biddance  
bidden  
bidder  
bidder's  
bidders  
biddery  
biddie  
biddies  
bidding  
biddings  
biddy
bide
bided
bidene
bident
bidental
bidentalia
bidentate
bidented
bidental
bidenticate
bider
biders
bidery
bides
bidet
bidets
bidget
bidi
bidigonal
bidialectal
bidialectalism
bidigitate
bidimensional
biding
bidirectional
bidirectionally
bidirumal
bidonville
bidree
bidri
bidry
bids
bidstand
biduous
bieberite
bieennia
bielbrief
bielby
bield
bielded
bielding
bields
bieldy
bielectrolysis
bielenite
bien
bienly
biennale
bifilarly
bifistular
biflabellate
biflagelate
biflagellate
biflare
biflected
biflex
biflorate
biflorous
bifluorid
bifluoride
bifocal
bifocals
bifoil
bifold
bifolia
bifoliate
bifoliolate
bifolium
bifollicular
biforate
biforin
biforine
biforked
biforking
biform
biformed
biformity
biforous
bifront
bifrontal
bifronted
bifrost
bifteck
bifunctional
bifurcal
bifurcate
bifurcated
bifurcately
bifurcates
bifurcating
bifurcation
bifurcations
bifurcous
big
biga
bigae
biggings
biggins
bigghish
bigghishness
biggity
biggonet
biggy
bigha
bighead
bigheaded
bigheads
bighearted
bigheartedly
bigheartedness
bighorn
bighorns
bight
bight's
bighted
bighting
bights
biglandular
biglenoid
biglot
bigly
bigmitt
bighmouth
bigmouthed
bigmouths
bigness
bignesses
bignonia
bignonaceous
bignoniad
bignonias
bignou
bigoniac
bigonial
bigot
bigot's
bigoted
bigotedly
bigotedness
bigothero
bigotish
bigotries
bigotry
bigots
bikinied
bikinis
bikkurim
bilabe
bilabial
bilabials
bilabiate
bilacinate
bilalo
bilamellar
bilamellate
bilamellated
bilaminar
bilaminate
bilaminated
biland
bilander
bilanders
bilateral
bilateralism
bilateralistic
bilateralities
bilaterality
bilaterally
bilateralness
bilayer
bilberries
bilberry
bilbi
bilbie
bilbies
bilbo
bilboa
bilboas
bilboes
bilboquet
bilbos
bilby
bilch
bilcock
bildar
bilder
bilders
bile
bilection
bilertinned
biles
bilestone
bileve
bilewhit
bilge
bilge's
bilged
bilges
bilgewater
bilgeway
bilgier
bilgiest
bilging
bilgy
bilharzia
bilharzial
bilharziasis
bilharzic
bilharziosis
bilianic
biliary
biliate
biliation
bilic
bilicyanin
bilification
biliferous
bilification
bilifuscin
bilify
bilhumin
bilimbi
bilimbing
bilimbis
biliment
bilinear
bilineate
bilineated
bilingual
bilingualism
bilingualism
bilingually
bilinguar
bilinguist
bilinigrin
bilinite
bilio
bilious
biliously
biliousness
biliprasin
bilipurpurin
bilipyrrhin
bilirubin
bilirubinemia
bilirubinic
bilirubinuria
biliteral
biliteralism
bili
bilith
bilithon
biliverdic
biliverdin
bilixanthin
bilk
bilked
bilk
bilk
bilking
bilkis
bilks
bill
billa
billable
billabong
billage
billard
billback
billbeetle
billbergia
billboard
billboard's
billboards
billbroking
billbug
billbugs
billed
biller
billers
billet
billete
billeted
billetter
billetters
billethead
billeting
billets
billette
billetty
billetwood
billetry
billfish
billfishes
billfold
billfolds
billhead
billheading
billheads
billholder
billhook
billhooks
billian
billiard
billiardist
billiardly
billiards
billie
billies
billikin
billing
billings
billingsgate
billion
billionaire
billionaires
billionism
billions
billionth
billionths
billitonite
billman
billmen
billon
billons
billot
billow
billowed
billowier
billowiest
billowness
billowing
billows
billowy
billposter
billposting
bills
bimas
bimastic
bimastism
bimastoid
bimasty
bimaxillary
binibashi
binbil
binbo
binboes
binbos
bimeby
bimedial
bimensal
bimester
bimesters
bimestrial
bimetal
bimetalic
bimetalism
bimetallic
bimetallism
bimetallist
bimetallistic
bimetallists
bimetals
bimethyl
bimethyls
bimillenary
bimillenial
bimillenium
bimillennia
bimillennium
bimillenniums
bimillionaire
bimilliennia
bimodal
bimodality
bimodule
bimodulus
bimolecular
bimolecularly
bimong
bimonthlies
bimonthly
bimorph
bimorphemic
bimorphs
bimotor
bimotored
bimotors
bimucronate
bimuscular
bin
bin’s
binal
binaphthyl
binaphyl
binaries
binarium
binary
binate
binately
bination
binational
binaural
binaurally
binaurically
binbashi
bind
bindable
binder
binderies
binders
bindery
bindheinite
bindi
binding
bindingly
bindingness
bindings
bindis
bindle
bindles
bindlet
bindoree
binder
binds
bindweb
bindweed
bindweeds
bindwith
bindwood
bine
binervate
bines
bineweed
binful
bing
binge
bingee
binges
bingey
bingeys
binghi
bingies
bingle
bingo
bingos
bingy
binh
biniodide
biniou
binit
binites
bink
binman
binmen
binna
binnacle
binnacles
binned
binning
binnite
binnogue
binny
bino
binocle
binocles
binocs
binocular
binocularity
binocularly
binoculars
binocate
binodose
binodous
binomen
binomenclature
binomial
binomialism
binomially
binomials
<table>
<thead>
<tr>
<th>Term</th>
<th>Term</th>
<th>Term</th>
<th>Term</th>
<th>Term</th>
<th>Term</th>
<th>Term</th>
<th>Term</th>
<th>Term</th>
<th>Term</th>
<th>Term</th>
<th>Term</th>
<th>Term</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>binominal</td>
<td>binominated</td>
<td>binominous</td>
<td>binomy</td>
<td>binormal</td>
<td>binotic</td>
<td>binotonous</td>
<td>binous</td>
<td>binoxalate</td>
<td>binoxide</td>
<td>bins</td>
<td>bint</td>
<td>bintangor</td>
<td>bints</td>
</tr>
<tr>
<td>binuclear</td>
<td>binucleate</td>
<td>binucleated</td>
<td>binucleolate</td>
<td>binukau</td>
<td>bio</td>
<td>bioaccumulation</td>
<td>bioacoustics</td>
<td>bioactivities</td>
<td>bioactivity</td>
<td>bioassay</td>
<td>bioassayed</td>
<td>bioassaying</td>
<td>bioassays</td>
</tr>
<tr>
<td>bioastronautical</td>
<td>bioastronautics</td>
<td>bioavailability</td>
<td>biobibliographer</td>
<td>biobibliographic</td>
<td>biobibliographical</td>
<td>biobibliographies</td>
<td>biobibliography</td>
<td>bioblast</td>
<td>bioblastic</td>
<td>biocatalyst</td>
<td>biocatalytic</td>
<td>biocellate</td>
<td>biocenology</td>
</tr>
<tr>
<td>biocenosis</td>
<td>biocentric</td>
<td>biochemic</td>
<td>biochemical</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
biochemically
biochemicals
biochemist
biochemistries
biochemistry
biochemists
biochemistry
biochore
biochron
biocidal
biocide
biocides
bioclean
bioclimatic
bioclimatician
bioclimatological
bioclimatologically
bioclimatologies
bioclimatologist
bioclimatology
biocoenose
biocoenoses
biocoenosis
biocoenotic
bioclinic
bioclinic
bioclinics
biodynamic
biodynamical
biodynamics
biodynamic
biodyne
bioecologic
bioecological
bioecologically
bioecologies
bioecologist
bioecology
bioelectric
bioelectrical
bioelectricities
bioelectricity
bioelectrogenesis
bioelectrogenetic
bioelectrogenetically
bioelectronics
bioenergetics
bioengineering
bioenvironmental
bioenvironmentaly
bioesthetic
bioethics
biofeedback
bioflavinoid
bioflavonoid
biofog
biog
biogas
biogases
biogasses
biogen
biogenesis
biogenesist
biogenetic
biogenetical
biogenetically
biogenetics
biogenic
biogenies
biogenous
biogens
biogeny
biogeochemical
biogeochemistry
biogeographer
biogeographers
biogeographic
biogeographical
biogeographically
biogeography
biognosis
biograph
biographee
biographer
biographer's
biographers
biographic
biographical
biographically
biographies
biographist
biographize
biography
biography's
biohazard
bioherm
bioherms
bioinstrument
bioinstrumentation
biokinetics
biol
biolinguistics
biolite
biolith
biologese
biologic
biological
biologically
biologicohumanistic
biologies
biologism
biologist
biologist's
biologicist
biologists
biologize
biology
bioluminescence
bioluminescent
biolyses
biolysis
biolytic
biomagnetic
biomagnetism
biomass
biomasses
biomaterial
biomathematics
biome
biomechanical
biomechanics
biomedical
biomedicine
biomes
biometeorology
biometer
biometric
biometrical
biometrically
biometrician
biometricist
biometrics
biometries
biometrist
biometry
biomicroscope
biomicroscopies
biomicroscopy
biomorphic
bion
bionditional
bionergy
bionic
bionics
bionomic
bionomical
bionomically
bionomics
bionomies
bionomist
bionomy
biont
bionic
bionts
biophagism
biophagous
biophagy
biophilous
biophor
biophore
biophotometer
biophotophone
biophysic
biophysical
biophysically
biophysicist
biophysicists
biophysicochemical
biophysics
biophysiology
biophysiology
biophyte
biotic
biotome
biotomy
biotope
biotopes
biotoxin
biotoxins
biotransformation
biotron
biotrons
biotype
biotypes
biotypic
biotypology
biovular
biovulate
bioxalate
bioxide
biozone
bipack
bipacks
bipaleolate
bipalmate
biparasitic
biparental
biparentally
biparietal
biparous
biparted
bipartible
bipartient
bipartile
bipartisan
bipartisanism
bipartisanship
bipartite
bipartitely
bipartition
bipartizan
biparty
bipaschal
bipectinate
bipectinated
biped
bipedal
bipedality
bipedism
bipeds
bipeltate
bipennate
bipennated
bipenniform
biperforate
bipersonal
bipetalous
biphase
biphastic
biphenol
biphenyl
biphenylene
biphenyls
bipinnaria
bipinnariae
bipinnarias
bipinnate
bipinnated
bipinnately
bipinnatifid
bipinnatiparted
bipinnatipartite
bipinnatisect
bipinnatisected
biplace
biplanal
biplanar
biplane
biplane's
biplanes
biplicate
biplicity
biplosion
biplosive
bipod
bipods
bipolar
bipolarity
bipolarization
bipolarize
bipont
biporose
biporous
bipotentialities
bipotentiality
biprism
biprong
bipropellant
bipunctal
bipunctate
bipunctual
bipupillate
bipyramid
bipyramidal
bipyridine
bipyridyl
biquadrantal
biquadrate
biquadratic
biquarterly
biquartz
biquintile
biracial
biracialism
biradial
biradiate
biradiated
biramose
biramous
birational
birch
birchbark
birched
birchen
bircher
birchers
birches
birching
birchism
birchman
birchwood
bird
bird's
birdbander
birdbanding
birdbath
birdbath's
birdbaths
birdberry
birdbrain
birdbrained
birdbrains
birdcage
birdcages
birdcall
birdcalls
birdcatcher
birdcatching
birdclapper
birdcraft
birddom
birde
bired
birden
bider
birders
birdeye
birdfarm
birdfarms
birdglue
birdhood
birdhouse
birdhouses
birdie
birdieback
birdied
birdieing
birdies
birdikin
birding
birdland
birdless
birdlet
birdlife
birdlike
birdlime
birdlimed
birdlimes
birdliming
birdling
birdlore
birdman
birdmen
birdmouthed
birdnest
birdnester
birds
birdsall
birdseed
birdseeds
birdseye
birdeyes
birdshot
birdshots
birne
birny
birodo
birostrate
birostrated
birota
birotation
birotatory
birr
birred
birretta
birrettas
birri
birring
birrs
birrus
birse
birses
birsit
birisle
birsy
birt
birth
birthbed
birthday
birthday's
birthdays
birthdom
birthed
birthing
birthland
birthless
birthmark
birthmarks
birthmate
birthnight
birthplace
birthplaces
birthrate
birthrates
birthright
birthright's
birthrights
birthroot
births
birthstone
birthstones
birthstool
birthwort
birthy
bis
bisabol
bisaccate
bisacromial
bisagre
bisalt
bisannual
bisantler
bisaxillary
bisayan
bisbeeite
biscacha
biscayan
biscayen
bischofite
biscot
biscotin
biscuit
biscuit's
biscuiting
biscuitlike
biscuitmaker
biscuitmaking
biscuitroot
biscuiiry
biscuits
biscutate
bisdiapason
bisdimethylamino
bise
bisect
bisected
bisecting
bisection
bisection's
bisectional
bisectionally
bisections
bisector
bisector's
bisectors
bisectrices
bisectrix
bisects
bisegment
bisellia
bisinuation
bisischiadic
bisischiatic
bisk
biskop
bisks
bplings
bismanol
bismar
bismarck
bismarine
bismark
bisme
bism
bisperpund
bismethyl
bismillah
bisnite
bismuth
bismuthal
bismuthate
bismuthic
bismuthide
bismuthiferous
bismuthine
bismuthinite
bismuthite
bismuthous
bismuths
bismuthyl
bismutite
bismutoplagionite
bismutosmalite
bismutosphaerite
bisnaga
bisnagas
bisnignio
bison
bison's
bisonant
bisons
bisontine
bisphenoid
bispinose
bispinous
bispore
bisporous
bisque
bisulphite
bisyllabic
bisyllabism
bisymmetric
bisymmetrical
bisymmetrically
bisymmetry
bisync
bit
bit's
bitable
bitake
bitangent
bitangential
bitanhol
bitartrate
bitbrace
bitch
bitch's
bitched
bitcheries
bitchery
bitches
bitchier
bitchiest
bitchily
bitchiness
bitching
bitchy
bite
biteable
bitech
bited
biteless
bitemporal
bitentaculate
biter
biteminate
biteminately
biters
bites
bitesheep
bitewing
bitewings
bitheism
biti
biting
bitingly
bitingness
bitless
bitmap
bitmapped
bitnet
bito
bitoly
bitonal
bitonalities
bitonality
bitore
bitreadle
bitripartite
bitripartite
bitripinnatifid
bitriseptate
bitrochanteric
bits
bitser
bitstalk
bitstock
bitstocks
bitstone
bitsy
bitt
bit tackle
bite
bitted
bitten
bitter
bitterbark
bitterblain
bitterbloom
bitterbrush
bitterbump
bitterbur
bitterbush
bittered
bitterender
bitterer
bitterest
bitterful
bitterhead
bitterhearted
bitterheartedness
bittering
bitterish
bitterishness
bitterless
bitwise
bityte
bitypic
biune
biunial
biunique
biuniquely
biuniqueness
biunify
biunivocal
biurate
biurea
biuret
bivalence
bivalencies
bivalency
bivalent
bivalents
bivalve
bivalve's
bivalved
bivalves
bivalvian
bivalvous
bivalvular
bivane
bivariant
bivariate
bivascular
bivaulted
bivector
biventer
biventral
biverb
biverbal
bivial
bivinyl
bivinyls
bivious
bivittate
bivium
bivocal
bivocalized
bivoltine
bivoluminous
bivouac
bivouaced
bivouacked
bivouacking
bivouacks
bivouacs
bivvy
biwa
biweeklies
biweekly
biwinter
bixa
bixaceous
bixbyte
bixin
biyearly
biz
bizant
bizardite
bizarre
bizarrely
bizarreness
bizzarrie
bizarres
bizcacha
bize
bizel
bizes
bizet
biznaga
biznagas
bizonal
bizone
bizones
bizygomatic
bizz
bizzarro
bk
bkbndr
bkey
bkg
bkgd
bklr
bkpr
bkpt
bks
bkt
bl
blaasop
blab
blabbed
blackcaps
blackcoat
blackcock
blackcod
blackcods
blackcurrant
blackdamp
blacked
blacken
blackened
blackener
blackeners
blackening
blackens
blacker
blackest
blacketeer
blackey
blackeye
blackeyes
blackface
blackfeet
blackfellow
blackfellows
blackfigured
blackfin
blackfins
blackfire
blackfish
blackfisher
blackfishes
blackfishing
blackflies
blackfly
blackfoot
blackguard
blackguardism
blackguardize
blackguardly
blackguardry
blackguards
blackgum
blackgums
blackhander
blackhead
blackheads
blackheart
blackhearted
blackheartedly
blackheartedness
blackie
blackies
blacking
blackings
blackish
blackishly
blackishness
blackit
blackjack
blackjack's
blackjacked
blackjacking
blackjacks
blackland
blacklead
blackleg
blacklegged
blackleggy
blacklegging
blacklegism
blacklegs
blacklight
blacklist
blacklisted
blacklister
blacklisting
blacklists
blackly
blackmail
blackmailed
blackmailer
blackmailers
blackmailing
blackmails
blackman
blackneb
blackneck
blackness
blacknob
blackout
blackout's
blackouts
blackpatch
blackplate
blackpoll
blackpot
blackprint
blackrag
blackroot
blacks
blackseed
blackshirt
blackshirted
blacksmith
blacksmithing
blacksmiths
blacksnake
blackstick
blackstrap
blacktail
blackthorn
blackthorns
blacktongue
blacktop
blacktopped
blacktopping
blacktops
blacktree
blackware
blackwash
blackwasher
blackwashing
blackwater
blackweed
blackwood
blackwork
blackwort
blacky
blad
bladder
bladder's
bladderet
bladderless
bladderlike
bladdernose
bladdernut
bladderpod
bladders
bladderseed
bladderweed
bladderwort
bladderwrack
bladdery
blade
blade's
bladebone
bladed
bladeless
bladelet
bladelike
blader
blades
bladesmith
bladewise
blading
bladish
blady
bladygrass
blae
blaeberry
blaeberry
blaeness
blaewort
blaff
blaffert
blalum
blaggard
blague
blagueur
blah
blahlaunt
blahs
blain
blains
blair
blairmorite
blake
blakeberyed
blakeite
blam
blamability
blamable
blamableness
blamably
blame
blameable
blameableness
blameably
blamed
blameful
blamefully
blamefulness
blameless
blamelessly
blamelessness
blamer
blamers
blames
blameworthiness
blameworthy
blaming
blamings
blams
blan
blanc
blanca
blancard
blanch
blanche
blanched
blancher
blanchers
blanches
blanchi
blanchimeter
blanching
blanchingly
blancmange
blancmanger
blancmanges
blanco
blancs
bland
blanda
blandation
blander
blandest
blandiloquence
blandiloquious
blandiloquous
blandish
blandished
blandisher
blandishers
blandishes
blandishing
blandishingly
blandishment
blandishments
blandly
blarnid
blarny
blart
blas
blase
blaseness
blash
blashy
blason
blaspheme
blasphemed
blasphemer
blasphemers
blasphemes
blasphemies
blaspheming
blasphemous
blasphemously
blasphemousness
blasphemy
blast
blastaea
blasted
blastema
blastemal
blastemas
blastemata
blastematic
blastemic
blaster
blasters
blastful
blasthole
blastid
blastide
blastie
blastier
blasties
blastiest
blasting
blastings
blastman
blastment
blastocarpous
blastocarpous
blastocele
blastocheme
blastochyle
blastocoel
blastocoele
blastocellic
blastocolla
blastocyst
blastocyte
blastoderm
blastodermatic
blastodermic
blastodisc
blastodisk
blastoff
blastoffs
blastogenesis
blastogenetic
blastogenic
blastogeny
blastogranitic
blastoid
blastoma
blastomas
blastomata
blastomere
blastomeric
blastomycete
blastomycetic
blastomycetous
blastomycin
blastomycosis
blastomycotic
blastoneuropore
blastophitic
blastophoral
blastophore
blastophoric
blastophthoria
blastophthoric
blastophyllum
blastoporal
blastopore
blastoporic
blastoporphyritic
blastosphere
blastospheric
blastostylar
blastostyle
blastozooid
blastplate
blasts
blaw
blawed
blawing
blawn
blawort
blaws
blay
blayk
blaze
blazed
blazer
blazers
blazes
blazing
blazingly
blazon
blazoned
blazoner
blazoners
blazoning
blazonment
blazonries
blazonry
blazons
blazy
bld
bldg
bldr
blea
bleaberry
bleach
bleachability
bleachable
bleached
bleacher
bleacheries
bleacherite
bleacherman
bleachers
bleachery
bleaches
bleachfield
bleachground
bleachhouse
bleaching
bleachman
bleachs
bleachworks
bleeping
bleeps
bleery
bleeze
bleezy
bleinerite
blellum
blellums
blemish
blemish’s
blemished
blemisher
blemishes
blemishing
blemishment
blemmatrope
blench
blenched
blencher
blenchers
blenches
blenching
blenchingly
blencorn
blend
blendcorn
blende
blended
blender
blenders
blendes
blending
blendor
blends
blendure
blendwater
blenheim
blenk
blennadenitis
blennemesis
blennenteria
blennenteritis
blennies
blenniid
blenniform
blennioid
blennocele
blennocystitis
blennoemesis
blennogenic
blennogenous
blennoid
blennoma
blennometritis
blennophlogisma
blennophlogosis
blennophobia
blennophthalnia
blennoptysis
blennorhea
blennorrhagia
blennorrhagic
blennorrhrea
blennorrheal
blennorrhinia
blennorrhoea
blennosis
blennostasis
blennostatic
blennothorax
blennotorrhea
blennuria
blenny
blennymenitis
blens
blent
bleo
blephara
blepharadenitis
blepharal
blepharanthracosis
blepharedema
blepharelcosis
blepharemphysema
blepharism
blepharitic
blepharitis
blepharoadenitis
blepharoadenoma
blepharoatheroma
blepharoblenorrhea
blepharocarcinoma
blepharochalasis
blepharochromidrosis
blepharoclonus
blepharocoloboma
blind
blindage
blindages
blindball
blindcat
blinded
blindedly
blinder
blinders
blindest
blindeyes
blindfast
blindfish
blindfishes
blindfold
blindfolded
blindfoldedly
blindfoldedness
blindfolder
blindfolding
blindfoldly
blindfolds
binding
blindly
blindish
blindism
blindless
blindling
blindly
blindman
blindness
blinds
blindstitch
blindstorey
blindstories
blindstory
blindweed
blindworm
blinger
blini
blinis
blink
blinkard
blinkards
blinked
blinker
blinkered
blinkering
blockwood
blocky
blocs
blodite
bloedite
blok
bloke
bloke's
blokes
blolly
bloman
blomstrandine
blond
blond's
blonde
blonde's
blondeness
blonder
blondes
blondest
blondine
blondish
blondness
blonds
blood
bloodalley
bloodalp
bloodbath
bloodbeat
bloodberry
bloodbird
bloodcurdler
bloodcurdling
bloodcurdlingly
blooddrop
blooddrops
blooded
bloodedness
bloodfin
bloodfins
bloodflower
bloodgilt
bloodgiltiness
bloodgiltless
bloodguilty
bloodhound
bloodhound's
bloodhounds
bloodstroke
bloodsuck
bloodsucker
bloodsuckers
bloodsucking
bloodtest
bloodthirst
bloodthirster
bloodthirstier
bloodthirstiest
bloodthirstily
bloodthirstiness
bloodthirsting
bloodthirsty
bloodweed
bloodwit
bloodwite
bloodwood
bloodworm
bloodwort
bloodworthy
bloody
bloodybones
bloodying
blooey
blooie
bloom
bloomage
bloomed
bloomer
bloomeries
bloomerism
bloomers
bloomery
bloomfell
bloomier
bloomiest
blooming
bloomingly
bloomingness
bloomkin
bloomless
blooms
bloomy
bloop
blooped
blooped
bloopers
blooping
bloops
blooth
blare
blosmy
blossom
blossombill
blossomed
blossomhead
blossoming
blossomless
blossomry
blossoms
blossomtime
blossomy
blot
blot's
blotch
blotched
blotches
blotchier
blotchiest
blotchily
blotchiness
blotching
blotchy
blote
blotless
blotlessness
blots
blotted
blotter
blotters
blottesque
blottesquely
blottier
blottiest
blotting
blottingly
blotto
blottto
blotty
bloubiskop
blouse
blouse's
bloused
blouselike
blouses
blousier
blouisiest
blously
blousing
blouson
blousons
blousy
blout
bloviate
bloviated
bloviates
bloviating
blow
blowback
blowbacks
blowball
blowballs
blowby
blowbys
blowcase
blowcock
blowdown
blowen
blower
blowers
blowess
blowfish
blowfishes
blowflies
blowfly
blowgun
blowguns
blowhard
blowhards
blowhole
blowholes
blowie
blowier
blowiest
blowiness
blowing
blowings
blowiron
blowjob
blowjobs
blowlamp
blowlamp
blown
blowoff
blowoffs
blowout
blowouts
blowpipe
blowpipes
blowpit
blowpoint
blowproof
blows
blowse
blowsed
blowsier
blowsiest
blowsily
blowspray
blowsy
blowth
blowtorch
blowtorches
blowtube
blowtubes
blowup
blowups
blowy
blowze
blowzed
blowzier
blowziest
blowzily
blowziness
blowzing
blowzy
bls
blub
blubbed
blubber
blubbered
blubberer
blubberers
blubberhead
blubbering
blubberingly
blubberman
blubberous
blubbers
blubbery
blubbing
bluecoats
bluecup
bluecurls
blued
bluefin
bluefins
bluefish
bluefishes
bluegill
bluegills
bluegown
bluegrass
bluegum
bluegums
bluehead
blueheads
bluehearted
bluehearts
blueing
blueings
blueish
bluejack
bluejacket
bluejackets
bluejacks
bluejay
bluejays
bluejoint
blueleg
bluelegs
blueline
bluelines
bluely
blueness
bluenesses
bluenose
bluenosed
bluenoses
bluepoint
bluepoints
blueprint
blueprint's
blueprinted
blueprinter
blueprinting
blueprints
bluer
blues
bluesides
bluesman
bluesmen
bluest
bluestem
bluestems
bluestocking
bluestockingish
bluestockingism
bluestockings
bluestone
bluestoner
bluesy
bluet
blueth
bluethroat
bluethick
bluetail
bluetongue
bluetop
bluetops
bluets
blueweed
blueweeds
bluewing
bluewood
bluewoods
bluey
blueys
bluff
bluffable
bluffed
bluffer
bluffers
bluffest
bluffing
bluffly
bluffness
bluffs
bluffy
blufter
bluggy
bluing
bluings
bluish
bluishness
bluisness
blume
blumed
blumes
bluming
blunder
blunderbuss
blunderbusses
blundered
blunderer
blunderers
blunderful
blunderhead
blunderheaded
blunderheadedness
blundering
blunderingly
blunderings
blunders
blundersome
blunge
blunged
blunger
blungers
blunges
blunging
blank
blunker
blunket
blunks
blunnen
blunt
blunted
blunter
bluntest
blunthead
blunthearted
bluntie
blunting
bluntish
bluntishness
bluntly
bluntness
blunts
blup
blur
blur's
blurb
blurbist
bobtail
bobtailed
bobtailing
bobtails
bobwhite
bobwhite's
bobwhites
bobwood
boc
boca
bocaccio
bocaccios
bocage
bocal
bocard
bocasin
bocasine
bocca
bocaccio
boccale
boccarella
boccaro
bocce
boccies
bocci
boccia
boccias
boccie
boccies
boccis
bocconia
boce
bocedization
boche
bocher
boches
bochism
bochur
bock
bockerel
bockeret
bockey
bocking
bocklogged
bocks
bocoy
bocstaff
bod
bodach
bodacious
bodaciously
boddagh
boddhisattva
boddle
bode
boded
bodeful
bodefully
bodefulness
bodega
bodegas
bodegon
bodegones
bodement
bodements
boden
bodenbenderite
boder
bodes
bodewash
bodeword
bodge
bodger
bodgery
bodgie
bodhi
bodhisat
bodhisattva
bodhisattwa
bodice
bodiced
bodicemaker
bodicemaking
bodices
bodied
bodier
bodieron
bodies
bodikin
bodiless
bodilessness
bodiliness
bodilize
bodily
bodiment
boding
bodingly
bodings
bodken
bodkin
bodkins
bodkinwise
bodle
bodleian
bodock
bodoni
bodonid
bodrag
bodrage
bods
bodstick
bodword
body
bodybending
bodybuild
bodybuilder
bodybuilder's
bodybuilders
bodybuilding
bodycheck
bodyguard
bodyguard's
bodyguards
bodyhood
bodying
bodykins
bodyless
bodymaker
bodymaking
bodyplate
bodyshirt
bodysuit
bodysuits
bodysurf
bodysurfed
bodysurfer
bodysurfing
bodysurfs
bodywear
bodyweight
bodywise
bodywood
bodywork
bodyworks
boe
boehmenism
boehmite
boehmites
boeing
boecotarch
boecotia
boecotian
boer
boers
boettner
boff
boffin
boffins
boffo
boffola
boffolas
boffos
boffs
bog
bog's
boga
bogach
bogan
bogans
bogard
bogart
bogatyr
bogbean
bogbeans
bogberries
bogberry
boget
bogey
bogeyed
bogeying
bogeyman
bogeymen
bogeys
bogfern
boggard
boggart
bogged
boggier
boggierest
boggies
bogginess
bogging
boggish
boggishness
boggle
bogglebo
boggled
boggler
boggler
bogglers
boggles
boggling
bogglingly
bogglish
boggy
boghole
bogie
bogieman
bogier
bogies
bogland
boglander
bogle
bogled
bogledom
bogles
boglet
bogman
bogmire
bogo
bogong
bogota
bogotana
bogs
bogsucker
bogtrot
bogtrotter
bogtrotting
bogue
bogued
boguing
bogum
bogus
bogusness
bogway
bogwood
bogwoods
bogwort
bogy
bogydom
bogyism
bogyisms
bogyland
bogyman
bogymen
boh
bohawn
bohea
boheas
bohemia
bohemian
bohemianism
bohemians
bohemia
bohemias
bohemium
bohereen
bohireen
bohinite
boho
bohor
bohora
bohorok
bohunk
bohunks
boid
boiette
boigid
boiguacu
boil
boilable
boildown
boiled
boiler
boilerful
boilerhouse
boilerless
boilermaker
boilermakers
boilermaking
boilerman
boilerplate
boilers
boilersmith
boilerworks
boilery
boiling
boilinglike
boilingly
boiloff
boldfacing
boldhearted
boldheartedly
boldheartedness
boldin
boldine
bolding
boldly
boldness
boldnesses
boldo
boldoine
boldos
bole
bolection
bolectioned
boled
boleite
bolelike
bolero
boleros
boles
boletalaceous
bolete
boletes
boleti
boletic
boletus
boletuses
boletuses
bolewed
bolewort
boliche
bolide
bolides
bolimba
bolis
bolita
bolivar
bolivares
bolivarite
bolivars
bolivia
bolivian
boliviano
bolivianos
bolivians
bolivias
bolk
boll
bollandist
bollard
bollards
bolled
bollen
boller
bollies
bolling
bollito
bollix
bollixed
bollixes
bollixing
bollock
bollocks
bollox
bolloxed
bolloxes
bolloxing
bolls
bollworm
bollworms
bolly
bolo
boloball
boloed
bologna
bolognas
bolograph
bolographic
bolographically
bolography
boloing
boloism
boloman
bolomen
bolometer
bolometric
bolometrically
boloney
boloneys
boloroot
bolos
bolshevik
bolshevik's
bolsheviks
bolshevism
bolshevist
bolshevistic
bolshevistically
bolshevists
bolshevize
bolshevized
bolshevizing
bolshie
bolshies
bolshy
bolson
bolsons
bolster
bolstered
bolsterer
bolsterers
bolstering
bolsters
bolsterwork
bolt
boltage
boltant
boltcutter
bolted
boltel
bolter
bolters
bolthead
bolthead
boltheading
boltheads
bolthole
boltholes
boli
bolitin
bolting
boltings
boltless
boltlike
boltmaker
boltmaking
boltonia
boltonias
boltonite
boltrope
boltropes
bolts
boltsmith
bombes
bombesin
bombesins
bombic
bombiccite
bombilate
bombilation
bombilla
bombillas
bombinate
bombinating
bombination
bombing
bombings
bomble
bombline
bomboad
bomboads
bombo
bombola
bombonne
bombora
bombous
bombproof
bombs
bombshell
bombshells
bombshight
bombshights
bombus
bombycid
bombycids
bombyciform
bombycine
bombycinous
bombylious
bombyx
bombyxes
bomi
bomos
bon
bona
bonace
bonaci
bonacis
bonagh
bonaght
bonailie
bondmen
bondminder
bondoc
bondon
bonds
bondservant
bondship
bondslave
bondsman
bondsmen
bondstone
bondswoman
bondswomen
bonduc
bonducnut
bonducs
bondwoman
bondwomen
bone
boneache
bonebinder
boneblack
bonebreaker
boned
bonedog
bonedry
boneen
bonefish
bonefishes
boneflower
bonehead
boneheaded
boneheadedness
boneheads
boneless
bonelessly
bonelessness
bonelet
bonelike
boner
boners
bones
boneset
bonesets
bonesetter
bonesetting
boneshaker
boneshave
bonito
bonitoes
bonitos
bonity
bonjour
bonk
bonked
bonkers
bonking
bonks
bonnaz
bonne
bonnering
bonnes
bonnet
bonneted
bonneter
bonnettehead
bonnetiere
bonnetieres
bonneting
bonnetless
bonnetlike
bonnetman
bonnetmen
bonnets
bonnibel
bonnie
bonnier
bonniest
bonnily
bonniness
bonnive
bonnne
bonnnes
bonnock
bonnocks
bonnwis
bonny
bonnyclabber
bonnyish
bonnyvis
bono
bonorum
bonos
bons
bonsai
bonsela
bonser
bonsoir
bonspell
bonthok
bonspells
bonspiel
bonspies
bonstok
bontebok
bonteboks
bontebuck
bontebucks
bontee
bontequagga
bonum
bonus
bonus's
bonuses
bonxie
bony
bonyfish
bonytail
bonze
bonzer
bonzery
bonzes
bonzian
boo
boob
boobery
boobialla
boobies
boobily
boobish
boobishness
booboisie
booboo
boobook
boomboos
boobs
booby
boobyalla
boobyish
boobyism
bood
boodh
boodie
boodle
boodled
boodledom
boons
boopic
boopis
boor
boor's
boordly
boorga
boorish
boorishly
boorishness
boors
boort
boos
boose
boosies
boosted
booster
boosterism
boosters
boosting
boosy
boot
bootable
boothblack
boothblacks
boothboy
booted
bootee
bootees
booter
booteries
bootery
bootes
bootful
booth
boothage
boothale
bootheel
boother
boothes
boothite
boothholder
boothose
booths
bootie
bootied
booties
bootikin
bootikins
booting
bootjack
bootjacks
bootlace
bootlaces
bootle
bootleg
bootleger
bootlegged
bootlegger
bootleger's
bootleggers
bootlegging
bootlegs
bootless
bootlessly
bootlessness
bootlick
bootlicked
bootlicker
bootlickers
bootlicking
bootlicks
bootloader
bootmaker
bootmaking
bootman
bootprint
boots
bootstrap
bootstrap's
bootstrapped
bootstrapping
bootstraps
boottop
boottopping
booty
bootyless
booze
boozed
boozehound
boozerd
boozers
boozes
boozier
booziest
boozify
boozily
booziness
boozy
bop
bopeep
bopped
bopper
boppers
bopping
boppist
bops
bopster
bopyrid
bopyridian
bor
bora
borable
boraces
borachio
boracic
boraciferous
boracite
boracites
boracium
boracous
borage
borages
boragineous
boraginaceous
boragineous
borak
boral
borane
boranes
boras
borasca
borasco
borasque
borasqueborate
borassus
borate
borated
borates
borating
borax
boraxes
borize
borlase
borley
born
bornan
bornane
borne
borneo
borneol
borneols
borning
bornite
bornites
bornitic
bornyl
bоро
borocalcite
borocarbide
borocitrate
borofluohydric
borofluoric
borofluoride
borofluorin
boroglycerate
boroglyceride
boroglycerine
borohydride
borolanite
boron
boronatrocalcite
boronia
boronic
borons
borophenol
borophenyllic
borosalicylate
borosalicylic
borosilicate
borosilicic
borotungstate
borotungstic
borough
boroughlet
boroughmaster
boroughmonger
boroughmongering
boroughmongery
boroughs
boroughship
boroughwide
borowolframic
borracha
borrachio
borrasca
borrel
borreliia
borrow
borrowable
borrowed
borrower
borrowers
borrowing
borrows
bors
borsch
borsches
borscht
borschts
borsholder
borsht
borshts
borstal
borstall
borstals
bort
borts
bortsch
borty
bortz
bortzes
borwort
boryl
borzoi
borzois
bos
bos'n
boscage
boscages
bosch
boschbok
boschboks
boschvark
boschveld
bose
boser
bosey
bosh
boshbok
boshboks
boshier
boshes
boshvark
boshvarks
bosjesman
bosk
boskage
boskages
bosker
bosket
boskets
boskier
boskiest
boskiness
boskopoid
bosks
bosky
bosn
bosom
bosom's
bosomed
bosomer
bosominess
bosoming
bosoms
bosomy
boson
bosonic
bosons
bosporus
bosque
bosques
bosquet
bosquets
boss
bossa
bossage
bossboy
bossdom
bossdoms
bossed
bosselated
bosselation
bosser
bosses
bosset
bosseyed
bossier
bossies
bossiest
bossily
bossiness
bossing
bossism
bossisms
bosslet
bossship
bossy
bostal
bostangi
bostanji
bosthoon
boston
bostonian
bostonian's
bostonians
bostonite
bostons
bostrychid
bostrychoid
bostrychoidal
bostryx
bosun
bosuns
boswell
boswellian
boswellism
boswellize
boswellized
boswellizing
bot
bota
botan
botanic
botanica
botanical
botanically
botanicas
botanics
botanies
botanise
botanised
botaniser
botherer
botherheaded
bothering
botherment
bothers
bothersome
bothersomely
bothersomeness
bothie
bothies
bothlike
bothrenchyma
bothria
bothridia
bothridium
bothridiums
bothriolepis
bothrium
bothriums
bothroi
bothropic
bothros
bothsided
bothsidedness
boththridia
bothway
bothy
boti
botling
botone
botonee
botong
botonn
botonnee
botonny
botony
botoyan
botry
botrycymose
botrylle
botryogen
botryoid
botryoidal
botryoidally
botryolite
botryomycoma
botryomycosis
botryomycotic
bottomlessly
bottomlessness
bottommost
bottomried
bottomries
bottomry
bottomrying
bottoms
bottonhook
botts
bottstick
bottu
botuliform
botulin
botulinal
botulins
botulinum
botulinus
botulinuses
botulism
botulisms
botulismus
boubas
boubou
boubous
boucan
bouch
bouchal
bouchaleen
boucharde
bouche
bouchee
bouchees
boucher
boucherism
boucherize
bouchette
bouchon
bouchons
boucl
boucle
boucles
boud
bouderie
boudeuse
boudin
boudoir
boudoiresque
boudoirs
bouet
bouffage
bouffancy
bouffant
bouffante
bouffants
bouffe
bouffes
bouffon
bougainvillaea
bougainvillaeas
bougainvillea
bougar
bouge
bougee
bougeron
bouget
bough
bough's
boughed
boughless
boughpot
boughpots
boughs
bought
boughten
boughy
bougie
bougies
bouillabaisse
bouilli
bouillon
bouillone
bouillons
bouk
boukit
boul
boulanger
boulangerite
boulder
boulder's
bouldered
boulderhead
bouldering
boulders
bouldery
boule
boules
bouleuteria
bouleuterion
boulevard
boulevard's
boulevardier
boulevardiers
boulevardize
boulevards
boulevard
bouleverse
bouleversement
boulework
boulimia
boulimy
boullle
boulles
boullework
boul
boult
boultel
boultell
boulter
boulterer
boun
bounce
bounceable
bounceably
bounceback
bounced
bouncer
bouncers
bounces
bouncier
bounciest
bouncily
bounciness
bouncing
bouncingly
bouncy
bound
boundable
boundaries
boundary
boundary's
bounded
boundedly
boundedness
bounden
bounder
bounderish
bounderishly
bounders
bounding
boundingly
boundless
boundlessly
boundlessness
boundly
boundness
bounds
boundure
bounteous
bounteously
bounteousness
bountied
bounties
bountiful
bountifully
bountifulness
bountihead
bountiousness
bountith
bountree
bounty
bounty's
bountyless
bouquet
bouquet's
bouquetiere
bouquetin
bouquets
bouquiniste
bour
bourage
bourasque
bourbon
bourbonism
bourbonize
bourbons
bourd
bourder
bourdis
bourdon
bourdons
bourette
bourg
bourgade
bout
bout's
boutade
boutefeu
boutel
boutell
bouteria
bouteselle
boutique
boutiques
buto
boutron
boutronniere
boutronneries
boutrons
bouvre
bouts
boutylka
bouvardia
bouvier
bouviers
bouw
bouzouki
bouzoukia
bouzoukis
bovarism
bovarist
bovaristic
bovarysm
bovate
bove
bovenland
bovey
bovicide
boviculture
bovid
bovids
boviform
bovine
bovinely
bovines
bovinities
bovinity
bovld
bovoid
bovovaccination
bovovaccine
bovver
boxberry
boxboard
boxboards
boxbush
boxcar
boxcar's
boxcars
boxed
boxen
boxer
boxers
boxes
boxfish
boxfishes
boxful
boxfuls
boxhaul
boxhauls
boxhauled
boxhauling
boxhead
boxholder
boxiana
boxier
boxiest
boxiness
boxinesses
boxing
boxings
boxkeeper
boxlike
boxmaker
boxmaking
boxman
boxroom
boxthorn
boxthorns
boxtop
boxtop's
boxtops
boxtree
boxty
boxwallah
boxwood
boxwoods
boxwork
boxy
boy
boy's
boyang
boyar
boyard
boyardism
boyardom
boyards
boyarism
boyarisms
boyars
boyau
boyaus
boyaux
boychick
boychicks
boychik
boychiks
boycott
boycottage
boycotted
boycotter
boycotting
boycottism
boycotts
boyledkyn
boydom
boyer
boyfriend
boyfriend's
boyfriends
boyg
boyhood
boyhoods
boyish
boyishly
boyishness
boyism
boyla
boylas
boylike
boylikeness
boyo
boyology
boyos
boys
boysenberries
boysenberry
boyship
boyuna
boza
bozal
bozine
bozo
bozos
bozze
bozzetto
bp
bpi
bps
bpt
br
br'er
bra
bra's
braata
brab
brabagious
brabant
brabble
brabbled
brabblement
brabbler
brabblers
brabbles
brabbling
brabblingly
braca
bracae
braccae
braccate
braccia
bracciale
braccianite
braccio
brace
braced
bracelet
bracelet's
braceleted
bracelets
bracer
bracero
braceros
bracers
bracery
braces
brach
brache
brachelytous
bracherer
brachering
braches
brachet
brachets
brachia
brachial
brachialgia
brachialis
brachials
brachiate
brachiated
brachiating
brachiation
brachiator
brachiferous
brachigerous
brachiocephalic
brachiocrural
brachiocubital
brachiocyllosis
brachiofacial
brachiofaciolingual
brachioganoid
brachiolaria
brachiolarian
brachiopod
brachiopode
brachiopodist
brachiopodous
brachioradial
brachioradialis
brachiorrhachidian
brachiorrhheuma
brachiosaur
brachiosaurus
brachistostrophosis
brachiotomy
brachistocephali
brachistocephalic
brachistocephalous
brachistocephaly
brachistocherone
brachistochronic
brachistochronous
brachium
brachman
brachtmema
brachyaxis
brachycardia
brachycatalectic
brachycephal
brachypephales
brachypephali
brachypephalic
brachypephalies
brachypephalism
brachypephalization
brachypephalize
brachypephalous
brachypephaly
brachyceral
brachyceric
brachycerous
brachychronic
brachynemic
brachycranial
brachycranic
brachycrany
brachydactyl
brachydactylia
brachydactylic
brachydactylism
brachydactylyous
brachydactyly
brachydiagonal
brachydromome
brachydromous
brachydomal
brachydomatic
brachydome
brachydont
brachydontism
brachyfacial
brachyglossal
brachynathia
brachynathism
brachynathous
brachygrapher
brachygraphic
brachygraphical
brachygraphy
brachy hieric
brachylogies
brachylogy
brachymetropia
brachymetropic
brachyphalangia
brachypinacoid
brachypinacoidal
brachypleural
brachypnea
brachypodine
brachypodous
brachyprism
brachyprosopic
brachypterous
brachy pyramid
brachyrrhinia
brachysclereid
brachysk elic
brachysm
brachystaphylic
brachystochrone
brachystomatous
brachystomous
brachytic
brachymema
brachytypous
brachyural
brachyuran
brachyuranic
brachyure
brachyurous
bracing
bracingly
bracingness
bracings
braciola
braciolas
braciole
bracioles
brack
brackebuschite
bracked
bracken
brackened
brackens
bracker
bracket
bracketed
bradyglossia
bradykinesia
bradykinesis
bradykinetic
bradykinin
bradylalia
bradylexia
bradylogia
bradynosus
bradypepsia
bradypepsy
bradypeptic
bradypagia
bradyphasia
bradyphemia
bradyphrasisa
bradyphrenia
bradypnea
bradypnoea
bradypod
bradypode
bradypodoid
bradyseism
bradyseismal
bradyseismic
bradyseismical
bradyseismism
bradyseismatism
bradysephygmia
bradystalsis
bradyteleocinesia
bradyteleokinesis
bradytelic
bradytely
bradytocia
bradytrophic
bradyuria
brae
brae's
braeface
braehead
braeman
braes
braeside
brag
bragas
brager
braggadocian
baggadocianism
baggadocio
baggadocios
baggardism
baggart
baggartism
baggartly
baggartry
baggarts
baggat
baggged
bagger
bagggers
baggery
bagggest
baggget
baggger
bagggest
baggging
bagggingly
baggghish
bagggishly
bagggity
bagggy
bragi
bрагite
bрагless
bragly
bragzzo
brags
braguette
bragwort
brahm
brahma
brahmacari
brahman
brahmanism
brahmanist
brahmanists
brahmans
brahmapootra
brahmas
brahmic
brahmin
brahminee
brahminism
brahminist
brains
brainsick
brainsickly
brainsickness
brainstem
brainstem's
brainstems
brainstone
brainstorm
brainstorm's
brainstormer
brainstorming
brainstorms
brainteaser
brainteasers
brainward
brainwash
brainwashed
brainwasher
brainwashers
brainwashes
brainwashing
brainwashjng
brainwater
brainwave
brainwood
brainwork
brainworker
brainy
braird
brairded
brairding
braireau
bрайро
braise
braised
braises
braising
braize
braizes
brake
brakeage
brakeages
braked
brakehand
brakehead
brakeless
brakeload
brakemaker
brakemaking
brakeman
brakemen
braker
brakerooth
brakes
brakesman
brakesmen
brakie
brakier
brakiest
braking
braky
braless
bramah
bramantip
bramble
bramble's
brambleberries
brambleberry
bramblebush
brambleled
brambles
bramblier
brambliest
brambling
brambly
brambrack
brame
bran
brancard
brancardier
branch
brancheage
branched
branchedness
brancher
branchery
branches
branchful
branchi
branchia
branchiae
branchial
branchiate
branchicolous
branchier
branchiest
branchiferous
branchiform
branchihyal
branchiness
branching
branchings
branchiocardiac
branchiogenous
branchiomere
branchiometric
branchiomerism
branchiopallial
branchiopneustic
branchiopod
branchiopodan
branchiopodous
branchiopoo
branchiopulmonate
branchiosaur
branchiosaurian
branchiostegal
branchiostegian
branchiostege
branchiostegite
branchiostegous
branchiostomid
branchiostomous
branchireme
branchiurous
branchless
branchlet
branchlike
branchling
branchman
branchstand
branchway
branchy
brand
brandade
branded
brandenburgh
brandenburgs
brander
brandering
branders
brandied
brandies
brandify
branding
brandiron
brandise
brandish
brandished
brandisher
brandishers
brandishes
brandishing
brandisite
brandle
brandless
brandling
brandon
brandreth
brandrith
brands
brandsolder
brandy
brandyball
brandying
brandyman
brandywine
brangle
brangled
branglement
brangler
brangling
branial
brank
brankie
brankier
brankiest
branks
brankursine
branky
branle
branles
branned
branner
brannerite
branners
brannier
branniest
brannigan
branniness
branning
branny
brans
bransle
bransles
bransolder
brant
brantail
brantails
brantcorn
brantle
brantness
brants
branular
braquemard
brarow
bras
brasen
brasero
braseros
brash
brasher
brashes
brashest
brashier
brashiest
brashiness
brashly
brashness
brashy
brasier
brasiers
brasil
brasilein
brasilete
brasiletto
brasilia
brasilin
brasilins
brasils
brasque
brasqued
brasquing
brass
brassage
brassages
brassard
brassards
brassart
brassarts
brassate
brassbound
brassbounder
brasse
brassed
brasser
brasserie
brasseries
brasses
brasset
brassey
brassic
brassica
brassicaceous
brassicas
brassidic
brassie
brassier
brassiere
brassieres
brassies
brassiest
brassily
brassiness
brassish
brasslike
brassware
brasswork
brassworker
brassworks
brassy
brassylic
brast
brat
brat’s
bratchet
bratina
bratling
brats
bratstva
bratstvo
brattach
brattice
bratticed
bratticer
brattices
bravura
bravuraish
bravuras
bravure
braw
brawler
brawest
brawl
brawled
brawler
brawlers
brawlie
brawler
brawliest
brawling
brawlingly
brawlis
brawls
brawlsome
brawly
brawlys
brawn
brawned
brawnenedness
brawler
brawnier
brawniest
brawnily
brawniness
brawns
brawny
braws
braxies
braxy
bray
braye
brayed
brayer
brayera
brayerin
brayers
brayette
braying
brays
braystone
brazas
braza
braze
brazed
brazee
brazen
brazened
brazenface
brazenfaced
brazenfacedly
brazenfacedness
brazening
brazenly
brazenness
brazens
brazer
brazera
brazers
brazes
brazier
brazier's
brazier's
braziery
brazil
brazilein
brazillette
brazilletto
brazilian
brazilianite
brazilians
brazilin
brazilins
brazilite
brazils
brazilwood
brazing
breach
breached
breacher
breachers
breaches
breachful
breaching
breachy
bread
breadbasket
breadbaskets
breadberry
breadboard
breadboard's
breadboards
breadbox
breadbox's
breadboxes
breadearner
breadearning
breaded
breaden
breadfruit
breadfruits
breading
breadless
breadlessness
breadline
breadmaker
breadmaking
breadman
breadness
breadnut
breadnuts
breadroot
breads
breadseller
breadstitch
breadstuff
breadstuffs
breath
breathen
breathless
breathriders
breaths
breathways
breathwise
breadwinner
breadwinner's
breadwinners
breadwinning
breaghe
break
breakability
breakable
breakableness
breakables
breakably
breakage
breakages
breakaway
breakax
breakaxe
breakback
breakbone
breakbones
breakdown
breakdown's
breakdowns
breaker
breakerman
breakermen
breakers
breakfast
breakfasted
breakfaster
breakfasters
breakfasting
breakfastless
breakfasts
breakfront
breakfronts
breaking
breakings
breakless
breaklist
breakneck
breakoff
breakout
breakouts
breakover
breakpoint
breakpoint's
breakpoints
breaks
breakshugh
breakstone
breakthrough
breakthrough's
breakthroughs
breakthroughs
breakup
breakups
breakwater
breakwater's
breakwaters
breakweather
breakwind
bream
breamed
breaming
breams
breards
breast
breastband
breastbeam
breastbone
breastbones
breasted
breaster
breastfast
breastfeeding
breastful
breastheight
breasthook
breastie
breasting
breastless
breastmark
breastpiece
breastpin
breastplate
breastplates
breastplough
breastplow
breastrail
breastrope
breasts
breaststroke
breaststroker
breaststrokes
breastsummer
breastweed
breastwise
breastwood
breastwork
breastwork's
breastworks
breath
breathability
breathable
breathableness
breathalyse
breathe
breatheableness
breathed
breather
breathers
breathes
breathful
breathier
breathiest
breathily
breathiness
breathing
breathingly
breathless
breathlessly
breathlessness
breaths
breathseller
breathtaking
breathtakingly
breathy
breba
breccia
breccial
breccias
brecciate
brecciated
brecciating
brecciation
brecham
brechams
brechan
brechans
brecht
brechtian
breccia
breck
brecken
bred
bredbergite
brede
bredes
bredestitch
bredi
bredstitch
bree
breech
breech's
breechblock
breechcloth
breechcloths
breechclout
breeched
breeches
brickel
bricken
bricker
brickfield
brickfielder
brickhood
brickier
brickiest
brickling
brickish
brickklin
bricklay
bricklayer
bricklayer's
bricklayers
bricklaying
brickle
brickleness
bricklike
brickliner
bricklining
brickly
brickmaker
brickmaking
brickmason
brickred
bricks
brickset
bricksetter
bricktimber
bricktop
brickwall
brickwise
brickwork
bricky
brickyard
bricole
bricoles
brid
bridal
bridale
bridaler
bridally
bridals
bridalty
bride
bride's
bridebed
bridebowl
bridecake
bridechamber
bridecup
bridegod
bridegroom
bridegrooms
bridegroomship
bridehead
bridehood
bridehouse
brideknot
bridelace
brideless
bridelike
bridelore
bridely
bridemaid
bridemaiden
bridemaidship
brideman
brides
brideship
bridesmaid
bridesmaid's
bridesmaiding
bridesmaids
bridesman
bridesmen
bridestake
bridewain
brideweek
bridewell
bridewort
bridge
bridgeable
bridgeboard
bridgebote
bridgebuilder
bridgebuilding
bridged
bridgehead
bridgehead's
bridgeheads
bridgekeeper
bridgeless
bridelike
bridemaker
briefs
brier
briarberry
briered
brierroot
briers
brierwood
briery
bries
briefe
brig
brig's
brigade
brigade's
brigaded
brigades
brigadier
brigadier's
brigadiers
brigadiership
brigading
brigalow
brigand
brigandage
brigander
brigandine
brigandish
brigandishly
brigandism
brigands
brigantine
brigantinebrigantines
brigantines
brigatry
brigbote
brigetty
bright
brighten
brightened
brightener
brighteners
brightening
brightens
brighter
brightest
brighteyes
brightish
brightly
brightness
brights
brightsmith
brightsome
brightsomeness
brightwork
brigous
brigs
brigsail
brigue
brigued
briguer
briguing
brike
brill
brillante
brilliance
brilliances
brilliancy
brilliandeer
brilliant
brilliantine
brilliantined
briliantly
brilliantness
brilliants
brilliantwise
brilliolette
brillolette
brills
brim
brimborion
brimborium
brimful
brimfull
brimfullness
brimfully
brimfulness
briming
brimless
brimly
brimmed
brimmer
brimmered
brimmering
brimmers
brimming
brimming
brimmingly
brims
brimse
brimstone
brimstonewort
brimstony
brin
brince
brinded
brindisi
brindle
brindled
brindles
brindlish
brane
brined
brinehouse
brineless
brineman
briner
briners
brines
bring
bringal
bringall
bringdown
bringed
bringela
bringer
bringers
bringeth
bringing
brings
bringsel
brinie
brinier
brinies
briniest
brininess
brining
brinish
brinishness
brinjal
brinjaree
brinjarries
brinjarry
brinjaul
brink
brinkless
brinkmanship
brinks
brinkmanship
brinny
brins
brinsell
brinston
briny
brio
brioche
brioches
briolet
briolette
briolettes
brionies
brionine
briony
brios
brique
briquet
briquets
briquette
briquetted
briquettes
briquetting
brisa
brisance
brisances
brisant
brisbane
briscola
brise
briseis
brisement
brises
brisk
brisked
brisken
briskened
briskening
brisker
briskest
brisket
briskets
brisking
briskish
briskly
briskness
brisks
brisky
brisling
brislings
brisque
briss
brisses
brist
bristle
bristlebird
bristlecone
bristled
bristleless
bristlelike
bristemouth
bristemouths
bristler
bristles
bristletail
bristlewort
bristlier
bristliest
bristlineness
bristling
bristly
bristol
bristols
brisure
brit
britain
britannia
britannic
britannica
britany
britchel
britches
britchka
brite
brith
brither
briticism
british
britisher
britishers
briton
briton's
britons
broadcloth
broaden
broadened
broadener
broadeners
broadening
broadenings
broadens
broader
broadest
broadgage
broadhead
broadhearted
broadhorn
broadish
broadleaf
broadleaves
broadling
broadlings
broadloom
broadlooms
broadly
broadmindedly
broadmouth
broadness
broadpiece
broads
broadshare
broadsheet
broadside
broad-sided
broad sider
broad sides
broad siding
broadspread
broadsword
broad swords
broadtail
broadthroat
broadway
broadways
broadwife
broadwise
broadwives
brob
brob dingnag
brob ding nagian
brocade
brocaded
brocades
brocading
brocage
brocard
broocardic
brocatel
brocatelle
brocatello
brocatels
broccoli
brocolis
broch
brochan
brochant
brochantite
broche
brochette
brochettes
brochidodromous
brocho
brochophony
brocht
brochure
brochure's
brochures
brock
brockage
brockages
brocked
brocket
brockets
brockish
brockle
brocks
brocoli
brocolis
brod
brodder
broddle
brodee
brodeglass
brodekin
brodequin
broderer
broderie
brodie
brodyaga
brokerage
brokerages
brokeress
brokerly
brokers
brokership
brokery
brokes
broking
broletti
broletto
brolga
broll
brollies
brolly
broma
bromacetanilide
bromacetate
bromacetic
bromacetone
bromal
bromalbumin
bromals
bromamide
bromargyrite
bromate
bromated
bromates
bromating
bromatium
bromatology
bromaurate
bromauric
brombenzamide
brombenzene
brombenzyl
bromcamphor
bromcresol
brome
bromegrass
bromeiglon
bromeikon
bromeliaceous
bromeliad
bromelin
bromelins
bromellite
bromeosin
bromes
bromethyl
bromethylene
bromgelatin
bromhidrosis
bromhydrate
bromhydric
bromic
bromid
bromide
bromide’s
bromides
bromidic
bromidically
bromidrosiphobia
bromidrosis
bromids
bromin
brominate
brominated
brominating
bromination
bromindigo
bromine
bromines
brominism
brominize
bromins
bromiodide
bromisation
bromise
promised
bromising
bromism
bromisms
bromite
bromization
bromize
bromized
bromizer
bromizes
bromizing
bromlite
bromo
bromoacetone
bromoaurate
bromoaurates
bromoauric
bromobenzene
bromobenzyl
bromocamphor
bromochloromethane
bromochlorophenol
bromocresol
bromocyanid
bromocyanidation
bromocyanide
bromocyanogen
bromodeoxyuridine
bromoethylene
bromoform
bromogelatin
bromohydrate
bromohydrin
bromoil
bromoiodid
bromoiodide
bromoiodism
bromoiodized
bromoketone
bromol
bromomania
bromomenorrhea
bromomethane
bromometric
bromometrical
bromometrically
bromometry
bromonaphthalene
bromophenol
bromopicrin
bromopikrin
bromopnea
bromoprotein
bromos
bromothymol
bromouracil
bromous
bromphenol
brompicrin
bromthymol
bromuret
bromvoel
bromvogel
bromyrite
bronc
bronchoadenitis
bronchi
bronchia
bronchial
bronchiially
bronchiarcia
bronchiectasis
bronchiectatic
bronchiloquy
bronchiocele
bronchiocisis
bronchiographic
bronchiogenetic
bronchiolar
bronchiole
bronchiole's
bronchioles
bronchioli
bronchiolitis
bronchiolus
bronchiospasm
bronchiostenosis
bronchitic
bronchitis
bronchium
broncho
bronchoadenitis
bronchoalveolar
bronchoaspergillosis
bronchoblenorrhea
bronchobuster
bronchocevanous
bronchocele
bronchocephalitis
bronchoconstriction
bronchoconstrictor
bronchodilatation
bronchodilator
bronchoegophony
bronchoesophagoscopy
bronchogenic
bronchographic
bronchography
bronchohemorrhagia
broncholemmitis
broncholith
broncholithiasis
bronchomotor
bronchomycosis
bronchomycosis
bronchopathy
bronchophonic
bronchophony
bronchophthisis
bronchoplasty
bronchoplegia
bronchopleurisy
bronchopneumonia
bronchopneumonic
bronchopulmonary
bronchorrhagia
bronchorrhaphy
bronchorrhrea
bronchos
bronchoscope
bronchoscopic
bronchoscopically
bronchoscopist
bronchscopy
bronchospasm
bronchostenosis
bronchostomies
bronchostomy
bronchotetany
bronchotome
bronchotomist
bronchotomy
bronchotracheal
bronchotyphoid
bronchotyphus
bronchovesicular
bronchus
bronco
broncobuster
broncobusters
broncobusting
broncos
brones
brongniardite
bronk
bronstrops
bronteon
brontephobia
bronteum
brontide
brontides
brontogram
brontograph
brontolite
brontolith
brontology
brontometer
brontophobia
brontops
brontosaur
brontosauri
brontosaurs
brontosaurus
brontosaurususes
brontoscopy
brontothere
bronx
bronze
bronzed
bronzelike
bronzen
bronzer
bronzers
bronzes
bronzesmith
bronzewing
bronzier
bronziest
bronzify
bronzine
bronzing
bronzings
bronzite
bronzitite
bronzy
broo
brooch
brooch's
brooched
brooches
brooching
brood
brooded
brooder
brooders
broodier
broodiest
broodily
broodiness
brooding
broodingly
broodless
broodlet
broodling
broodmare
broods
broodsac
broody
brook
brookable
brooked
brookflower
brookie
brookier
brookiest
brooking
brookite
brookites
brookless
brooklet
brooklets
brooklike
brooklime
brooklyn
brooks
brookside
brookweed
brooky
brool
broom
broom's
broomball
broomballer
broombush
broomcorn
broomed
broomer
broomier
broomiest
brooming
broommaker
broommaking
broomrape
broomroot
brooms
broomshank
broomsquire
broomstaff
broomstick
broomstick's
broomsticks
broomstraw
broomtail
broomweed
broomwood
broomwort
broomy
broon
broos
bros
broozled
broquery
broquineer
bros
brose
broses
brosot
brosse
brosy
brot
brotan
brotany
brotchen
brotel
broth
brothe
brothel
brothel's
brotheleer
brothellike
brotheliry
brothels
brother
brother's
brothered
brotherhood
brothering
brotherless
brotherlike
brotherliness
brotherly
brotherred
brothers
brothership
brotherwort
brothier
brownies
browniest
browniness
browning
brownish
brownishness
brownism
brownly
brownness
brownnose
brownnoser
brownout
browouts
brownprint
browns
brownshirt
brownstone
brownstones
browntail
browntop
brownweed
brownwort
browny
brownpiece
browpost
brows
browsability
browsage
browse
browsed
browser
browsers
browses
browsick
browsing
browst
browser
brr
brrr
bruang
brubru
brubu
bruce
brucella
brucellae
brucellas
brucellosis
bruchid
brum
brumaire
brumal
brumbee
brumbie
brumbies
brumby
brume
brumes
brummagem
brummagen
brummer
brummy
brumous
brumstane
brumstone
brunch
brunched
brunches
brunching
brune
brunel
brunellaceous
brunet
brunetness
brunets
brunette
brunetteness
brunettes
brunhild
brunion
brunissure
brunizem
brunizems
brunneous
brunonian
brunswick
brunt
brunts
bruscha
bruscus
brush
brushability
brushable
brushback
brushball
brushbird
brushbush
brustling
brusure
brut
brutage
brutal
brutalisation
brutalise
brutalised
brutalising
brutalism
brutalist
brutalitarian
brutalitarianism
brutalities
brutality
brutalization
brutalize
brutalized
brutalizes
brutalizing
brutally
brutalness
brute
brute's
bruted
brutedom
brutelike
brutely
bruteness
brutes
brutification
brutified
brutifies
brutify
brutifying
bruting
brutish
brutishly
brutishness
brutism
brutisms
brutter
brutus
bruxism
bruxisms
bruyere
bruzz
bryaceous
buccaner
buccanen
buccaning
buccaneer
buccal
buccata
buccate
buccato
buccaro
buccary
buccario
buccate
bucchero
bucchero
buccin
buccina
buccinae
buccinal
buccinator
buccinatory
bucciniform
buccinoid
buccinum
buccobranchial
buccocervical
buccogingival
buccolabial
buccolinguale
bucconasal
buccopharyngeal
buccula
bucculae
bucellas
bucentaur
bucenurus
bucophalus
bucol
bucol
bucol
buck
buckaroo
buckaroos
buckass
buckayro
buckayros
buckbean
buckbeans
buckberry
buckboard
buckboard's
buckboards
buckbrush
buckling
bucklum
bucko
buckoes
buckone
buckplate
buckpot
buckra
buckram
buckramed
buckraming
buckrams
buckras
bucks
bucksaw
bucksaws
buckshee
buckshees
buckshot
buckshots
buckskin
buckskinned
buckskins
buckstall
buckstay
buckstone
bucktail
bucktails
buckteeth
buckthorn
bucktooth
bucktoothed
bucku
buckwagon
buckwash
buckwasher
buckwashing
buckwheat
buckwheater
buckwheatlike
buckwheats
bucky
bucoliast
bucolic
bucolical
bucolically
bucolicism
bucolics
bucrane
bucrania
bucranium
bucrnia
bud
bud's
buda
budapest
budbreak
buddage
buddah
budded
budder
budders
buddha
buddahood
buddhi
buddhism
buddhist
buddhists
buddie
buddies
budding
buddle
buddled
buddleia
buddleias
buddleman
buddler
buddles
buddling
buddy
buddy's
bude
budge
budged
budger
budgeree
budgereegah
budgerigah
budgerigar
budgerigars
budgero
budgerow
budgers
budgerygah
budges
budget
budgetary
budgeted
budgeteer
budgeter
budgeters
budgetful
budgeting
budgets
budgie
budgies
budging
budgy
budless
budlet
budlike
budling
budmash
buds
budtime
budwood
budworm
budzart
budzat
buenas
bueno
buenos
bufagin
buff
buff's
buffa
buffability
buffable
buffalo
buffaloback
buffaloed
buffaloes
buffalofish
buffalofishes
buffaloing
buffalos
buffball
buffbar
buffcoat
buffe
buffed
buffer
buffer's
buffered
buffering
bufferrer
bufferrer's
bufferrers
buffers
buffer
buffeted
buffeter
buffeters
buffeting
buffetings
buffets
buffi
buffier
buffiest
buffin
buffing
buffle
bufflehead
buffleheaded
bufflehorn
buffo
buffone
buffont
buffoon
buffoon's
buffooneries
buffoonery
buffoonesque
buffoonish
buffoonishness
buffoonism
buffoons
buffos
buffs
buffware
buffy
bufidin
bufo
bufonid
bufonite
bufotalin
bufotenin
bufotenine
bufotoxin
bug
bug's
bugaboo
bul
bulak
bulb
bulb's
bulbaceous
bulbar
bulbed
bulbel
bulbels
bulbier
bulbiest
bulbiferous
bulbiform
bulbil
bulbilla
bulbils
bulbine
bulbless
bulblet
bulblike
bulbocapnin
bulbocapnine
bulbocavernosus
bulbocavernous
bulbomedullary
bulbomembranous
bulbonuclear
bulborectal
bulbose
bulbospinal
bulbotuber
bulbourethral
bulbous
bulbously
bulbs
bulbul
bulhule
bulbulis
bulbus
bulby
bulchin
bulder
bulgar
bulgaria
bulgarian
bulgarians
bulge
bulged
bulger
bulgers
bulges
bulgier
bulgiest
bulginess
bulging
bulgingly
bulgur
bulgurs
bulgy
bulies
bulimia
bulimiac
bulimias
bulimic
bulimiform
bulimoid
bulimus
bulimy
bulk
bulkage
bulkages
bulked
bulker
bulkhead
bulkhead's
bulkheaded
bulkheading
bulkheads
bulkier
bulkiest
bulkily
bulkin
bulkiness
bulking
bulkish
bulks
bulky
bull
bulla
bullace
bullaces
bullae
bullalaria
bullamacow
bullan
bullaria
bullaries
bullarium
bullary
bullate
bullated
bullation
bullback
bullbaiting
bullbat
bullbats
bullbeggar
bullberry
bullbird
bullboat
bullcart
bullcomber
bulldog
bulldog's
bulldogged
bulldoggedness
bulldogger
bulldogging
bulldoggish
bulldoggishly
bulldoggishness
bulldoggy
bulldogism
bulldogs
bulldoze
bulldozed
bulldozer
bulldozers
bulldozes
bulldozing
bulldust
bulled
buller
bullescene
bullet
bullet's
bulleted
bulletin
bulletin's
bulletined
bulleting
bulletining
bulletins
bulletless
bulletlike
bulletmaker
bulletmaking
bulletproof
bulletproofed
bulletproofing
bulletproofs
bullets
bulletwood
bullety
bullfeast
bullfice
bullfight
bullfighter
bullfighters
bullfighting
bullfights
bullfinch
bullfinches
bullfist
bullflower
bullfoot
bullfrog
bullfrogs
bullgine
bullhead
bullheaded
bullheadedly
bullheadedness
bullheads
bullhide
bullhoof
bullhorn
bullhorns
bullied
bullier
bullies
bulliest
bulliform
bullimong
bulling
bullion
bullionism
bullionist
bullionless
bullterrier  
bulltoad  
bullule  
bullweed  
bullweeds  
bullwhack  
bullwhacker  
bullwhip  
bullwhipped  
bullwhipping  
bullwhips  
bullwork  
bullwort  
bully  
bullyable  
bullyboy  
bullyboys  
bullydom  
bullyhuff  
bulling  
bullingly  
bullism  
bullyrag  
bullyragged  
bullyragger  
bullyragging  
bullyrags  
bullyrock  
bullyrook  
buhlbuln  
bulreedy  
burlrush  
burlrushes  
burlushlike  
burlushy  
bulse  
bult  
bultell  
bulten  
bulte  
bultey  
bultong  
bultow  
bulwand  
bulwark  
bulwarked  
bulwarking  
bulwarks
bum
bum's
bumaloe
bumaree
bumbailiff
bumbailiffship
bumbard
bumbarge
bumbass
bumbaste
bumbaze
bumbee
bumbelo
bumbershoot
bumble
bumblebee
bumblebee's
bumblebeefish
bumblebeefishes
bumblebees
bumbleberry
bumblebomb
bumbled
bumbledom
bumblefoot
bumblekite
bumblepuppy
bumbler
bumblers
bumbles
bumbling
bumblingly
bumblingness
bumblings
bumbo
bumboat
bumboatman
bumboatmen
bumboats
bumboatwoman
bumclock
bumf
bumfeg
bumfs
bumfuzzle
bumicky
bumkin
bumkins
buntrap
bumwood
bun
bun's
buna
buncal
bunce
bunch
bunchbacked
bunchberries
bunchberry
bunched
buncher
bunches
bunchflower
bunchier
bunchiest
bunchily
bunchiness
bunching
bunchy
bunco
buncoed
buncoing
buncombe
buncombes
buncos
bund
bunder
bundh
bundies
bundist
bundists
bundle
bundled
bundler
bundlerooted
bundlers
bundles
bundlet
bundling
bundlings
bundobust
bundoc
bundocks
bundook
bunds
bundt
bunkering
bunkerman
bunkermen
bunkers
bunkery
bunkhouse
bunkhouse's
bunkhouses
bunkie
bunking
bunkload
bunkmate
bunkmate's
bunkmates
bunko
bunkoed
bunkoing
bunkos
bunks
bunkum
bunkums
bunn
bunnell
bunnia
bunnies
bunning
bunns
bunny
bunny's
bunnymouth
bunodont
bunolophodont
bunoselenodont
bunraku
bunrakus
buns
bunsen
bunsenite
bunt
buntal
bunted
bunter
bunters
buntine
bunting
buntings
buntline
buntlines
bunton
bunts
bunty
bunuelo
bunya
bunyah
bunyan
bunyas
bunyip
buonamani
buonamano
buoy
buoyage
buoyages
buoyance
buoyances
buoyancies
buoyancy
buoyant
buoyantly
buoyantness
buoyed
buoying
buoys
buphthalmia
buphthalmic
buphthalmos
bupleurol
buplever
buprestid
buprestidan
buprestis
buqsha
buqshas
bur
bura
buran
burans
burao
buras
burbank
burbankian
burbark
burberry
burble
burbled
burbler
burblers
burbles
burblier
burbliest
burbling
burbly
burbolt
burbot
burbots
burbs
burbush
burd
burdalone
burdash
burden
burdenable
burdened
burdener
burdeners
burdening
burdenless
burdenous
burdens
burdensome
burdensomely
burdensomeness
burdie
burdies
burdock
burdocks
burdon
burds
bure
bureau
bureau's
bureaucracies
bureaucracy
bureaucracy's
bureaucrat
bureaucrat's
bureaucratese
bureaucratic
bureaucratical
bureaucratically
bureaucratism
bureaucratist
bureaucratization
bureaucratize
bureaucratized
bureaucratizes
bureaucratizing
bureaucrats
bureaus
bureaux
burel
burelage
burele
burelle
burelly
burely
buret
burets
burette
burettes
burez
burfish
burg
burga
burgage
burgages
burgality
burgall
burgamot
burganet
burgau
burgaudine
burge
burgee
burgees
burgensic
burgeon
burgeoned
burgeoning
burgeons
burger
burgers
burgess
burgess's
burgessdom
burgesses
burggrave
burgh
burghal
burghalpenny
burghbote
burghemot
burgher
burnings
burnish
burnishable
burnished
burnisher
burnishers
burnishes
burnishing
burnishment
burnoose
burnoosed
burnooses
burnous
burnoused
burnouses
burnout
burnouts
burnover
burns
burnside
burnsides
burnt
burntly
burntness
burntweed
burnup
burnut
burnweed
burnwood
burny
buro
buroo
burp
burped
burping
burps
burr
burr's
burrah
burratine
burrawang
burrbark
burred
burree
burrel
burrer
burrers
burrfish
busboy
busboy's
busboys
busby
buscarl
buscarle
bused
busera
buses
bush
bushbaby
bushbashing
bushbeater
bushbeck
bushbodies
bushbody
bushboy
bushbuck
bushbucks
bushcraft
bushed
bushel
bushel's
bushelage
bushelbasket
busheled
busher
busheler
bushelers
bushelful
bushelfuls
busheling
bushed
bushelled
busheller
bushelling
bushelman
bushelmen
bushels
bushelwoman
busher
bushers
bushes
bushet
bushfighter
bushfighting
bushfire
bushfires
bushful
bushgoat
bushgoats
bushgrass
bushhammer
bushi
bushido
bushidos
bushie
busher
bushiest
bushily
bushiness
bushing
bushings
bushland
bushlands
bushless
bushlet
bushlike
bushmaker
bushmaking
bushman
bushmanship
bushmaster
bushmasters
bushmen
bushment
bushpig
bushranger
bushranging
bushrope
bushtit
bush tits
bushveld
bushwa
bushwack
bushwah
bushwahs
bushwalking
bushwas
bushwhack
bushwhacked
bushwhacker
bushwhackers
bushwhacking
bushwhacks
bushwife
bushwoman
bushwood
bushy
busied
busier
busies
busiest
busily
busine
business
business's
businesses
businesses's
businessesese
businessslke
businesslikeness
businessman
businessmens
businesswoman
businesswomen
busing
busings
busk
busked
busker
buskers
bucket
buskin
buskined
busking
buskins
buskle
busks
busky
bouseload
busman
busmen
buss
bussed
buser
busses
bussing
bussings
bussock
bussu
bussy
bust
bustard
bustard's
bustards
busted
bustee
buster
busters
bushead
busti
bustian
bustic
busticate
bustics
bustier
bustiest
busting
bustle
busted
bustler
bustlers
bustles
bustling
bustlingly
busto
busts
busty
busulfan
busulfans
busuuti
busway
busy
busybodied
busybodies
busybody
busybodyish
busybodyism
busybodyness
busyhead
busying
busyish
busyness
busynesses
busywork
busyworks
but
butacaine
butadiene
butadiyne
butanal
butane
butanes
butanoic
butanol
butanolid
butanolide
butanols
butanone
butanones
butat
butch
butcha
butcher
butcher's
butcherbird
butcherbroom
butcherdom
butchered
butcherer
butcheress
butcheries
butchering
butcherless
butcherliness
butcherly
butcherous
butchers
butchery
butches
butein
butene
butenes
butenyl
buteo
buteonine
buteos
butic
butin
butine
butle
butled
butler
butler's
butlerage
butlerdom
butleress
butleries
butlerism
butlerlike
butlers
butlership
butterhead
butterier
butteries
butteriest
butterine
butteriness
buttering
butteris
butterjags
butterless
butterlike
buttermaker
buttermaking
butterman
buttermilk
buttermonger
buttermouth
butternose
butternut
butternuts
butterpaste
butterroot
butters
butterscotch
butterweed
butterwife
butterwoman
butterworker
butterwort
butterwright
buttery
butteryfingered
buttes
butgenbachite
butties
butting
butinski
buttinskies
buttinsky
buttle
butttled
buttling
buttock
buttock's
buttocked
buttocker
buttocks
button
buttonball
buttonbur
buttonbush
buttoned
buttoner
buttoners
buttonhold
buttonholder
buttonhole
buttonhole's
buttonholed
buttonholer
buttonholes
buttonholing
buttonhook
buttoning
buttonless
buttonlike
buttonmold
buttonmould
buttons
buttonweed
buttonwood
buttony
buttress
buttressed
buttresses
buttressing
buttressless
buttresslike
butts
buttstock
buttstrap
buttstrapped
buttstrapping
buttwoman
buttwomen
buttwood
butty
buttyman
butut
bututs
butyl
butylamine
butylate
butylated
butylates
butylating
butylation
butylene
butylenes
butylic
butyls
butyne
butyr
butyraceous
butyral
butyraldehyde
butyralns
butyrate
butyrates
butyric
butyrically
butyric
butyrinase
butyrs
butyrochloral
butyrolactone
butyrometer
butyrometric
butyrene
butyrous
butyrousness
butyryl
butyryls
buvette
buxaceous
buxeous
buxerries
buxerry
buxine
buxom
buxomer
buxomest
buxomly
buxomness
buy
buyable
buyback
buybacks
buyer
buyer's
buyers
buying
buyout
buyouts
buys
buz
buzane
buzuki
buzukia
buzukis
buzylene
buzz
buzzard
buzzard's
buzzardlike
buzzardly
buzzards
buzzbomb
buzzed
buzzer
buzzerphone
buzzers
buzzes
buzzgloak
buzzier
buzzies
buzziest
buzzing
buzzingly
buzzle
buzzsaw
buzzwig
buzzwigs
buzzword
buzzword's
buzzwords
buzzy
bv
bvt
bwana
bwanas
bx
bxs
by
byard
bycoket
bye
bye
bygaein
byelaw
byelaws
byelorussia
byelorussian
byelorussians
byeman
byepath
byerite
byerlite
byes
byestreet
byeworker
byeworkman
bygane
byganging
bygo
bygoing
bygone
bygones
byhand
byland
bylander
bylaw
bylaw's
bylawman
bylaws
bylina
byline
byline's
bylined
byliner
byliners
bylines
bylining
bylina
bypast
bypath
bypaths
byplace
byplay
byplays
byproduct
byproduct's
byproducts
byre
byreman
byres
byrewards
byrewoman
byrl
byrlady
byrlakin
byrlaw
byrlawman
byrlawmen
byrled
byrling
byrls
byrmie
byrnies
byroad
byroads
byron
byronic
byrri
byrrus
byrthynsak
bys
bysen
bysmalith
byspell
byss
byssaceous
byssal
byssi
byssiferous
byssin
byssine
byssinosis
byssogenous
byssoid
byssolite
byssus
byssuses
cabbages
cabbage
cabbage
cabbagewood
cabbageworm
cabbaging
cabbagy
cabbala
cabbalah
cabbalahs
cabbalas
cabbalism
cabbalist
cabbalistic
cabbalistical
cabbalistically
cabbalize
cabbed
cabber
cabbie
cabbies
cabbing
cable
cabbled
cabbler
cabbling
cabby
cabda
cabdriver
cabdriving
cabecera
cabecudo
cabeliau
cabellerote
caber
cabernet
cabernets
cabers
cabestro
cabestros
cabezon
cabezons
cabezons
cabful
cabiai
cabildo
cabildos
cabilliau
cabin
cabin's
cabined
cabinet
cabinet's
cabineted
cabineting
cabinetmake
cabinetmaker
cabinetmakers
cabinetmaking
cabinetry
cabinets
cabinetted
cabinetwork
cabinetworker
cabinetworking
cabining
cabinlike
cabins
cabio
cable
cablecast
cabled
cablegram
cablegrams
cablelaid
cableless
cablelike
cableman
cablemen
cabler
cables
cablese
cabet
cablets
cableway
cableways
cabling
cablish
cabman
cabmen
cabob
cabobs
caboceer
caboche
caboched
cabocho
cabochons
cabocle
caboclo
caboclos
cabomba
cabombas
caboodle
caboodles
cabook
caboose
caboooses
caboshed
cabossed
cabot
cabotage
cabotages
cabotin
cabotinage
cabots
cabouca
cabre
cabree
cabrerite
cabresta
cabrestas
cabresto
cabrestos
cabret
cabretta
cabrettas
cabreuva
cabrie
cabrilla
cabrillas
cabriole
cabrioles
cabriolet
cabriolets
cabrit
cabrito
cabs
cabstand
cabstands
cabuja
cabulla
cabureiba
caburn
cabuya
cabuyas
caca
cacaesthesia
cacafuego
cacafugo
cacam
cacanapa
cacanthrax
cacao
cacaos
cacas
cacaxte
caccagouge
caccia
caccias
cacciatora
cacciatore
cace
cacei
cacemphaton
cacesthia
cacesthesia
cachaca
cachaemia
cachaemic
cchalot
cchalote
cchalots
cchaza
cache
cache's
cachetic
cachetical
cached
cachemia
cachemic
cachepot
cachepots
caches
cachespell
cachat
cacheted
cachetic
cacheting
cachets
cachexia
cachexias
cachexic
cachexies
cachey
cachibou
cachila
cachimailla
cachina
cachinate
caching
cachinnate
cachinnated
cachinnating
cachinnation
cachinnator
cachinnatory
cachoeira
cacholong
cachot
cachou
cachous
cachrys
cachuá
cachucha
cachuchas
cachucho
cachunde
caci
cacidrosis
cacimbo
cacimbos
caciocavallo
cacique
cacies
caciques
caciqueship
caciquism
cack
cacked
cackerel
cacking
cackle
cackled
cackler
cacklers
cackles
cackling
cacks
cacocholia
cacochroïa
cacoxylias
cacochymia
cacochymic
cacochymical
cacochymy
cacocnemia
cacodaemon
cacodaemoniac
cacodaemonial
cacodaemonic
cacodemon
cacodemonia
cacodemoniac
cacodemonial
cacodemonic
cacodemonize
cacodemonomania
cacodontia
cacodorous
cacodoxian
cacodoxical
cacodoxy
cacodyl
acodylate
cacodylic
acodyls
cacoeconomy
acoeenthes
cacoepist
acoeptic
acoepty
acoethes
acoethic
acogalactia
acogastric
acogenesis
acogenic
acogenics
acoguesia
acoglossia
acographer
acographic
acographical
acography
acoloet
acolike
acological
acology
acomagician
cacomelia
cacomistle
cacomixl
cacomixle
cacomixls
cacomorphia
cacomorphosis
caconychia
caconym
caconymic
cacon
cacopathy
cacopharyngia
cacophobia
cacophonie

cacophonical
cacophonically

cacophonies

cacophonist
cacophonists

cacophonize

cacophonous

cacophonously

cacophony
cacrophthalmia

cacoplasia
cacoplastic
cacoproctia
cacorhythmic

cacorrhachis

cacorrhinia

cacosmia

cacospermia

cacosplanchnia

cacostomia

cacothansia

cacothelin
cacotheline

cacothes

cacothesis

cacothymia

cacotopia

cacotrichia

cacotrophia

cacotrophic

cacotrophy

cacotype

cacoxene
cacoexenite
cacozeal
cacozealous
cacozyme
cacqueteuse
cacqueteuses
cactaceous
cactal
cacti
cactiform
cactoid
cactus
cactuses
cactuslike
cacumen
cacuminal
cacuminate
cacumination
cacuminous
cacur
cad
cadalene
cadamba
cadaster
cadasters
cadastral
cadastrally
cadastration
cadastre
cadastres
cadaver
cadaveric
cadaverin
cadaverine
cadaverize
cadaverous
cadaverously
cadaverousness
cadavers
cadbait
cadbit
cadbote
cadded
caddesse
caddice
caddiced
caddicefly
caddices
caddie
caddied
caddies
caddying
cadding
caddis
caddised
caddises
caddisflies
caddisfly
caddish
caddishly
caddishness
caddisworm
caddle
caddow
caddy
caddying
cade
cadeau
cadee
cadelle
cadelles
cadence
cadenced
cadences
cadencies
cadencing
cadency
cadenette
cadent
cadential
cadenza
cadenzas
cader
caderas
cadere
cades
cadesse
cadet
cadetcy
cadets
cadetship
cadette
cadettes
cadew
cadge
cadged
caducicorn
caducities
caducity
caducous
caduke
cadus
cadweed
cadwell
cady
cadying
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
cia
c
caespitose
caesplitosely
caeastus
caeastuses
caesura
c aesurae
caesural
caesuras
caesuric
caf
cafard
cafardise
cafe
cafe's
cafeneh
cafenet
cafes
cafetal
cafeteria
cafeterias
cafetiere
cafetorium
caff
caffa
caffeate
caffeic
caffein
caffeina
caffeine
caffeines
caffeinic
caffeinism
caffeins
caffeism
caffeol
caffeone
caffetannic
caffetannin
caffiaceous
caffiso
caffle
caffled
caffling
caffoline
caffoy
caffre
cafh
cafila
caking
cakra
cakravartin
caky
cal
calaba
calabar
calabash
calabashes
calabaza
calabazilla
calaber
calaboose
calabooses
calabozo
calabrasella
calabrese
calabrian
calabrians
calabur
calade
caladium
caladiums
calahan
calais
calaite
calalu
calamanco
calamancoes
calamancos
calamander
calamansi
calar
-calamariaceous
-calamarian
-calamaries
-calamarioid
-calamarmar
-calamaroid
-calamars
-calamary
-calambac
-calambour
-calami
calamiferious
calamiferous
-calamiform
-calaminar
calaminary
calamine
calamined
calamines
calamining
calamint
calamints
calamistral
calamistrate
calamistrum
calamite
calamitean
calamites
calamities
calamitoid
calamitous
calamitously
calamitousness
calamity
calamity's
calamondin
calamumi
calamus
calander
calando
calandre
calandria
calangay
calanid
calanque
calantas
calanthe
calapite
calapitte
calascione
calash
calashes
calastic
calathea
calathi
calathian
calathidia
calathidium
calathiform
calathisci
calathiscus
calathos
calaththi
calathus
calavance
calaverite
calbroben
calc
calcaemia
calcaire
calcanea
calcaneal
calcanean
calcanei
calcaneoastragalar
calcaneoastragaloid
calcanecuboid
calcaneofibular
calcaneonavicular
calcaneoplantar
calcaneoscapoid
calcanetibial
calcanenum
calcaneus
calcannea
calcannei
calcar
calcarate
calcarated
calcareoargillaceous
calcareobituminous
calcareocorneous
calcareosiliceous
calcareosulphurous
calcereous
calcereously
calcereousness
calcaria
calcariferous
calcariform
calcarine
calcarium
calcars
calcate
calcavella
calceate
calced
calcedon
calcedony
calceiform
calceemia
calceolaria
calceolate
calceolately
calces
calceus
calchas
calche
calci
calcic
calciclase
calcicole
calcicolous
calcicosis
calceriferol
calceriferous
calcific
calcification
calciﬁed
calcifies
calciﬁrm
calciﬁgual
calciﬁguge
calciﬁgous
calciﬁy
calciﬁying
calciogenous
calciogerous
calciometer
calciﬁme
calciﬁmed
calciﬁmer
calciﬁmes
calciﬁmining
calciﬁnable
calciinate
calciﬁnation
calciﬁnator
calciﬁnatory
calcine
calciﬁned
calciﬁner
calciﬁnes
calciﬁning
calciﬁnize
calciﬁno
calciﬁnosis
calciobiотite
calciocarnotite
calif
califate
califates
california
californian
californiana
californians
californicus
californite
californium
califs
caliga
caligate
caligated
caligation
caliginosity
caliginous
caliginously
caliginousness
caligo
caligrapher
caligraphy
caligulism
calili
calimanco
calimancos
calin
calina
calinda
calindas
caline
calinut
caliological
caliologist
caliology
calipash
calipashes
calipee
calipees
caliper
calipered
caliperer
calipering
calipers
calipeva
caliph
caliphal
caliphate
caliphates
caliphs
caliphship
calippic
calisaya
calisayas
calistheneum
calisthenic
calisthenical
calisthenics
caliver
calix
calixtin
calk
calkage
calked
calker
calkers
calkin
calking
calkins
calks
call
calla
callable
callaesthetic
callainite
callas
callaloo
callaloos
callan
callans
callant
callants
callas
callat
callate
callback
callbacks
callboy
callboys
called
caller
callers
calles
callet
callets
calli
callid
callidity
callidness
calligram
calligraph
calligrapha
calligrapher
calligraphers
calligraphic
calligraphical
calligraphically
calligraphist
calligraphy
calling
callings
calliope
calliopean
calliopes
calliophone
calliopsis
callipash
callipee
callipees
calliper
callipered
calliperer
callipering
callipers
calliphorid
calliphorine
callippic
callipygian
callipygous
callisection
callisteia
callisthenic
callisthenics
callisto
callithrix
callithump
callithumpian
callitrichaceous
callitriche
callitype
callityped
callityping
callo
calloo
calogram
calography
calomba
calombigas
calombo
calomel
calomels
calomorphic
calool
calor
caloreceptor
calorescence
calorescent
caloric
calarically
caloricity
calorics
caloriduct
calorie
calorie's
calories
calorifacient
calorific
caloriful
calorifically
calorification
calorifics
calorifier
calorify
calorigenic
calorimeter
calorimeters
calorimetric
calorimetrically
calorimetrically
calorimetrical
calorimetre
calorimetry
calorimotor
caloris
calorisator
calorist
calorize
calorized
calorizer
calorizes
calorizing
calory
calosoma
calotermitid
calotin
calotte
calottes
calotype
calotypic
calotypist
caloyer
caloyers
calp
calpac
calpack
calpacked
calpacks
calpacs
calpolli
calpul
calpulli
calque
calqued
calques
calquing
cals
calsouns
caltha
calthrop
calthrops
caltrap
caltraps
caltrop
caltrops
calumba
calumet
calumets
calumnia
calumniate
calumniated
calumniates
calumniating
calumniation
calumniations
calumniative
calumniator
calumniators
calumniatory
calumnies
calumnious
calumniously
calumniousness
calumny
caluptra
calusar
calutron
calutrons
calvados
calvadoses
calvaire
calvaria
calvarial
calvarias
calvaries
calvarium
calvery
calve
calved
calver
calves
calvin
calving
calvinian
calvinism
calvinist
calvinistic
calvinists
calvinize
calvish
calvities
calvity
calvous
calvus
calx
calxes
calybite
calycanth
calycanthaceous
calycanthemous
calycanthemy
calycanthin
calycanthine
calycanthus
calycate
calyceal
calyceraceous
calyses
calyciferous
calycifloral
calyciflorate
camachile
camagon
camaieu
camail
camaile
camailed
camails
camaka
camaldolite
camalig
camalote
caman
camanay
camanchaca
camansi
camara
camarada
camarade
camaraderie
camarasaurus
camarera
camarilla
camarillas
camarin
camarine
camaron
camas
camases
camass
camasses
camata
camatina
camauro
camauros
camay
camb
cambaye
camber
cambered
cambering
cambers
cambia
cambilal
cambiata
cambibia
cambiiform
cambio
cambiogenetic
camelopard
cameloparadel
camelopards
camelot
camelry
camels
camembert
camenes
cameo
cameoed
cameograph
cameography
cameoing
cameos
camera
camera's
camerae
cameral
cameralism
cameralist
cameralistic
cameralistics
cameraman
cameramen
cameras
camerate
camerated
cameration
camerawork
camerier
cameriera
camerieri
camerine
camerist
camerlengo
camerlengos
camerlingo
camerlingos
cameronian
cameronian
cameronians
cameroon
cameronian
cameronian
camery
cames
camestres
camias
camiknickers
camilla
camillus
camino
camion
camions
camis
camisa
camisade
camisades
camisado
camisadoes
camisados
camisard
camisas
camiscia
camise
camises
camisia
camisias
camisioles
camisole
camisoles
camister
camize
camla
camlet
camleted
camleteen
camletine
camleting
camlets
camletted
camletting
cammas
cammed
cammock
cammocky
camoca
camogie
camois
camomile
camomiles
camooch
camoodi
camoodie
camorra
camorras
camorrism
camorrista
camorristi
camote
camoudie
camouflage
camouflageable
camouflaged
camouflager
camouflagers
camouflages
camouflagic
camouflaging
camouflet
camoufleur
camoufleurs
camp
campagi
campagna
campagne
campagnol
campagnols
campagus
campaign
campaigned
campaigner
campaigners
campaigning
campaigns
campal
campa
campane
campanella
campanero
campania
campaniform
campanile
campaniles
campanili
campaniliform
campanilla
campanini
campanist
campanistic
campanologer
campanological
campanologically
campanologist
campanologists
campanology
campanula
campanulaceous
campanular
campanularian
campanulate
.campanulated
campanulous
campbell
campbellism
campbellisms
campbellite
campbellites
campcraft
campeche
camped
campement
campephagine
camper
campers
campership
campesino
campesinos
campestral
campestrian
campfight
campfire
campfires
campground
campgrounds
camphane
camphanic
camphanone
camphany
camphene
camphenes
camphine
camphines
camphire
camphires
campho
.camphocarboxylic
camphoid
camphol
campholic
campholide
camphols
campholytic
camphor
camphoraceous
camphorate
camphorated
camphorates
camphorating
camphoric
camphorize
camphorone
camphoronic
camphoroyl
camphorphorone
camphors
camphorweed
camphorwood
camphory
camphoryl
camphylene
campi
campier
campiest
campilan
campily
campimeter
campimetrical
campimetry
campiness
camping
campings
campion
campions
campit
cample
campman
campmaster
campo
campodean
campodeid
campodeiform
campodeoid
campody
campong
campongs
camppoo
campoody
camporee
camporees
campos
campout
canalizations
canalize
canalized
canalizes
canalizing
canalla
canalled
canaller
canallers
canalling
canalman
canals
canalside
canamo
canap
canape
canapes
canapina
canard
canards
canari
canaries
canarin
canarine
canary
canary's
canasta
canastas
canaster
canaut
canavalin
canberra
cancancan
cancancans
cancancellip
cancel
cancelability
cancelable
cancelation
canceled
canceler
cancelers
cancelier
canceling
cancelability
cancellable
cancriform
cancrine
cancrinite
cancrisocial
cancrivorous
cancrizans
cancroid
cancroids
cancrophagous
cancrum
cancrums
cand
candareen
candela
candelabra
candelabras
candelabrum
candelabrams
candelas
candelilla
candency
candent
candescence
candescent
candescently
candid
candida
candidacies
candidacy
candidas
candidate
candidate's
candidated
candidates
candidateship
candidating
candidature
candidatures
candide
candider
candidest
candidiasis
candidly
candidness
candidnesses
candid
candied
candel
candier
candies
candify
candil
candiru
candite
candle
candleball
candlebeam
candleberries
candleberry
candlebomb
candlebox
candled
candlefish
candlefishes
candleholder
candlelight
candlelighted
candlelighter
candlelighting
candlelit
candlemaker
candlemaking
candemas
candlenut
candlepin
candlepins
candlepower
candler
candlerent
candlers
candles
candleshine
candleshift
candlestuffer
candlestand
candlestick
candlestick's
candlesticked
candlesticks
candlestickward
candelwaster
candelwasting
candlewick
candelwick
candelwicking
candelwicks
candlewood
candlewright
candling
candock
candolleaceous
candor
candors
candour
candours
candro
candroys
canduc
candy
candyfloss
candyh
candying
candyl
candymaker
candymaking
candys
candystick
candytuft
candyweed
cane
canebrake
canebrakes
caned
canel
canela
canelas
canelike
canell
canella
canellaceous
canellas
canelle
canelo
canelos
caneology
canephor
canephora
canephorae
canephore
canephori
canephoroe
canephoroi
canephoros
canephors
canephorus
canephroi
canepin
caner
caners
canes
canescence
canescene
canescent
caneton
canette
caneva
caneware
canewares
canewise
canework
canezou
canfield
canfieldite
canfields
canful
canfuls
cangan
cangenet
cangia
cangle
cangler
cangue
cangues
cangy
canham
canhoop
canicide
canicola
canicula
canicular
canicule
canid
canids
canikin
canikins
canille
caninal
canine
canines
caning
canining
caninities
caninity
caninus
canion
canioned
canions
canistel
canister
canisters
canities
canjac
cank
canker
cankerberry
cankerbird
cankereat
cankered
cankeredly
cankeredness
cankerflower
cankerfret
cankering
cankerous
cankerroot
cankers
cankerweed
cankerworm
cankerworms
cankerwort
cankery
canli
canmaker
canmaking
canman
cann
canna
cannabic
cannabinolic

cannabin
cannabinaceous
cannabine
cannabin

cannabinol
cannabinins
cannabis
cannabinoses

cannabinism
cannabinaceous
cannach
cannaled

cannalling
cannister
cannister's
cannisters
cannoli
cannon
cannon's
cannonade
cannonaded
cannonades
cannonading
cannonarchy
cannonball
cannonballed
cannonballing
cannonballs
cannoned
cannoneer
cannoneering
cannoneers
cannonier
cannoning
cannonism
cannonproof
cannonries
cannonry
cannons
cannrophori
cannot
cannula
cannulae
cannular
cannulas
cannulate
cannulated
cannulating
cannulation
canny
canoe
canoe's
canoed
canoeing
canoeist
canoeists
canoeload
canoeman
canoes
canoewood
canoing
canon
canon's
canoncito
canones
canoness
canonesses
canon
canonical
canonicalization
canonicalize
canonicalized
canonicalizes
canonicalizing
canonically
canonicalness
canonicals
canonicate
canonici
canonicity
canonics
canonisation
canonise
canonised
canoniser
canonises
canonising
canonising
canonist
canonistic
canonistical
canonists
canonizant
canonization
canonizations
canonize
canonized
canonizer
canonizes
canonizing
canonlike
canonries
canonry
canons
canonship
canoodle
canoodled
canoodler
canoodles
canoodling
cantator
cantatory
cantatrice
cantatrices
cantatrixi
canthboard
cantdog
cantdogs
canted
canteen
canteens
cantefable
cantel
canter
canterburian
canterburies
canterbury
cantered
canterelle
canterer
cantering
canters
canthal
canthari
cantheric
canharidal
canharidate
canharidated
canharidating
canharidean
canharides
canharidian
canharidin
canharidism
canharidize
canharidized
canharidizing
canharis
canharophilous
canharus
canathari
cantheectomy
canthi
canthitis
canholysis
canthoplasty
canthorrhaphy
canthotomy
canthus
canthuthi
cantic
canticle
canticles
cantico
cantiga
cantil
cantilated
cantilating
cantilena
cantilene
cantilenes
cantilever
cantilevered
cantilevering
cantilevers
cantillate
cantillated
cantillating
cantillation
cantily
cantina
cantinas
cantiness
canting
cantingly
cantingness
cantinier
cantino
cantion
cantish
cantle
cantles
cantlet
cantline
cantling
canto
canton
canton's
cantonal
cantonalism
cantoned
cantonier
cantonese
cantoning
cantonize
cantonment
cantonments
cantons
cantoon
cantor
cantor's
cantoral
cantoria
cantorial
cantoris
cantorous
cantors
cantorship
cantos
cantraip
cantraips
cantrap
cantraps
cantred
cantref
cantrip
cantrips
cants
cantus
cantut
cantuta
cantwise
canty
canuck
canula
canulae
canular
canulas
canulate
canulated
canulates
canulating
canun
canvas
canvas's
canvasado
canvasback
canvasbacks
canvased
canvaser
canvasers
canvases
canvasing
canvaslike
canvasman
canvass
canvassed
canvasser
canvassers
canvasses
canvassing
canvassy
cany
canyon
canyon's
canyons
canyonside
canzo
canzon
canzona
canzonas
canzone
canzones
canzonet
canzonets
canzonetta
canzoni
canzos
caoiba
caoine
cazon
caooutchin
caooutchouc
caooutchoucin
cap
cap's
capa
capabilities
capability
capability's
capable
capableness
capabler
capablest
capably
capacify
capacious
capaciously
capaciousness
capacitance
capacitances
capacitate
capacitated
capacitates
capacitating
capacitation
capacitations
capacitative
capacitatively
capacitor
capacitor's
capacitors
capacity
capanna
capanne
caparison
caparisoned
caparisoning
caparisons
capataces
capataz
capaz
capcase
cape
capeador
capeadores
capeadors
caped
capel
capelans
capelans
capelet
capelets
capelin
capeline
capelins
capella
capellane
capellate
capellate
capelocracy
caper
caperbush
capercaillie
capercailye
capercaizie
capercally
capercut
caperdewsie
capered
caperer
caperers
capering
caperingly
capermaite
capermoited
capermoited
capermoity
capermutie
capers
capersome
capersomeness
caperwort
capes
capeskin
capeskins
capetian
capetown
capette
capeweed
capewise
capework
capeworks
capful
capfuls
caph
caphar
capharnaism
caphite
caphs
capias
capiases
capiatur
capibara
capicha
capilaceous
capillaceous
capillaire
capillament
capillarectasia
capillaries
capillarily
capillarimeter
capillariness
capitano
capitare
capitasti
capitiate
capitated
capitatim
capitation
capitations
capitative
capitatum
capite
capiteaux
capitella
capitellar
capitellate
capitelliform
capitellum
capitile
capitol
capitol's
capitoline
capitols
capitoul
capitoulate
capitula
capitulant
capitular
capitularies
capitularly
capitulars
capitulary
capitulate
capitulated
capitulates
capitulating
capitulation
capitulations
capitulator
capitulatory
capituliform
capitulum
capituliform

capivi
capkin
caplan
capless
caplet
caplets
caplin
capling
caplins
caplock
capmaker
capmakers
capmaking
capman
capmint
capnomancy
capnomor
capo
capoc
capocchia
capoche
capomo
capon
caponata
caponatas
capone
caponette
caponier
caponiere
caponiers
caponisation
caponise
caponised
caponiser
caponising
caponization
caponize
caponized
caponizer
caponizes
caponizing
caponniere
capons
caporal
caporals
capos
capot
capotasto
capotastos
capote
capotes
capouch
capouches
cappadine
caprifoil
capriole
caprifoliaceous
caprifolium
capriform
capriogenous
caprilmulgine
caprin
caprine
caprinic
capriole
caprioled
capiroles
caprioling
capriped
capripede
capris
caprizant
caproate
caprock
caprocks
caproic
caproin
capron
caprone
capronic
capronyl
caproyl
capryl
caprylate
caprylene
caprylic
caprylin
caprylone
caprylyl
caps
capsa
capsaicin
capsheaf
capshore
capsian
capsicin
capsicins
capsicum
capsicums
capsid
capsidal
capsids
capsizable
capsizal
capsize
capsized
capsizes
capsizing
capsomer
capsomere
capsomers
capstan
capstans
capstone
capstones
capsula
capsulae
capsular
capsulate
capsulated
capsulation
capsule
capsulectomy
capsuled
capsuler
capsules
capsuliferous
capsuliform
capsuligerous
capsuling
capsulitis
capsulize
capsulized
capsulizing
capsulociliary
capsulogenous
capsulolenticular
capsulopupillary
capsulorrhaphy
capsulotome
capsulotomy
capsumin
captacula
captaculum
captain
captaincies
captaincy
captained
captainess
captaining
capturers
captures
capturing
capuche
capuched
capuches
capuchin
capuchins
capucine
capulet
capuli
capulin
caput
caputium
capybara
capybaras
caque
caqet
caqueterie
caqueteuse
caqueteuses
caquetoire
caquetoires
car
car's
carabao
carabaos
carabeen
carabid
carabidan
carabideous
carabidoid
carabids
carabin
carabine
carabineer
carabiner
carabinero
carabineros
carabines
carabinier
carabiniere
carabinieri
carabins
caraboa
caraboid
carabus
caracal
caracals
caracara
caracaras
caracas
carack
caracks
caraco
caracoa
caracol
caracole
caracoled

caracoler
caracoles
caracoli
caracoling
caracolite
caracolled
caracoller
caracolling
caracols
caracora
caracore
caract
caracter
caracul
caraculs
carafe
carafes
carafon
caragana
caraganas
carageen
carageens
caragheen
caraguata
caraibe
caraipe
caraipi
carajo
carajura
caramba
carambola
carambole
caramboled
caramboling
caramel
caramelan
caramelen
caravaneer
caravaner
caravaning
caravanist
caravanned
caravanner
caravanning
caravans
caravansaries
caravansary
caravanserai
caravanserial
caravel
caravelle
caravels
caraway
caraways
carbachol
carbacidometer
carbamate
carbamic
carbamide
carbamidene
carbamido
carbamine
carbamino
carbamoyl
carbamyl
carbamyls
carbanil
carbanillic
carbanilid
carbanilide
carbanion
carbarn
carbarns
carbaryl
carbaryl's
carbasus
carbazic
carbazide
carbazin
carbazine
carbazole
carbazylic
carbeen
carbene
carberry
carbomethoxyl
carbomycin
carbon
carbon's
carbona
carbonaceous
carbonade
carbonado
carbonadoed
carbonadoes
carbonadoing
carbonados
carbonari
carbonatation
carbonate
carbonated
carbonates
carbonating
carbonation
carbonatization
carbonator
carbonators
carbondale
carbone
carboned
carbonemia
carbonero
carbons
carbonic
carbonide
carboniferous
carbonification
carbonify
carbonigenous
carbonimeter
carbonimide
carbonisable
carbonisation
carbonise
carbonised
carboniser
carbonising
carbonite
carbonitrile
carbonium
carbonizable
carbonization
carbonize
carbonized
carbonizer
carbonizers
carbonizes
carbonizing
carbonless
carbonometer
carbonometry
carbonous
carbons
carbonuria
carbornyl
carbonylate
carbonylated
carbonylating
carbonylation
carbonylene
carboxylic
carboxyls
carbophilous
carbora
carboras
carborundum
carbosilicate
carbostyril
carboxide
carboxy
carboxyhemoglobin
carboxyl
carboxylase
carboxylate
carboxylated
carboxylating
carboxylation
carboxylic
carboxylys
carboxypeptidase
carboy
carboyed
carboys
carbro
carbromal
carbuilder
carbuncle
carbuncled
carbuncles
carbuncular
carbunculation
carcases
carcasing
carcass
carcass's
carcassed
carcasses
carcassing
carcassless
carceag
carcel
carcel's
carer
carceral
carcerate
carcerated
carcerating
carceration
carcerist
carchariid
carcharioid
carcharodont
carcinemia
carcinogen
carcinogeneses
carcinogenesis
carcinogenic
carcinogenicity
carcinogens
carcinoid
carcinological
carcinologist
carcinology
carcinolysin
carcinolytic
carcinoma
carcinomas
carcinomata
carcinomatoid
carcinomatosis
carcinomatous
carcinomorphic
carcinophagous
carcinophobia
carcinopolypus
carcinosarcoma
carcinosarcomas
carcinosarcomata
carcinosarcomis
carnus
caroon
card
cardaissin
cardamine
cardamom
cardamoms
cardamon
cardamons
cardamum
cardamums
cardanol
cardboard
cardcase
cardcases
cardcastle
cardecu
carded
cardel
carder
carders
cardholder
cardholders
cardhouse
cardia
cardiac
cardiacal
cardiacean
cardiacle
cardics
cardiae
cardiagra
cardiagram
cardiagraph
cardiography
cardial
cardialgia
cardialgic
cardialgy
cardiameter
cardiomorphia
cardianesthesia
cardianeuria
cardiant
cardiaplegia
cardiactia
cardias
cardiasthenia
cardiasthma
 cardiataxia
 cardiatomy
 cardiatrophia
 cardiauxe
 cardicentesis
 cardiectasis
 cardiectomize
 cardiectomy
 cardieltosis
 cardiemphraxia
 cardiform
 cardigan
 cardigans
 cardin
 cardinal
 cardinalate
 cardinalated
 cardinalates
 cardinalfish
 cardinalfishes
 cardinalic
 cardinalism
 cardinalist
 cardinalitial
 cardinalitian
 cardinalities
 cardinality
 cardinality's
 cardinally
 cardinals
 cardinalship
 cardines
 carding
 cardings
 cardioaccelerator
 cardioarterial
 cardioblast
 cardiocarpum
 cardiocele
 cardiocentesis
 cardiocirrhosis
 cardioclasis
 cardioclasis
 cardid
 cardiodilator
 cardiodynamics
 cardiodynia
cardiodysesthesia
cardiodysesthesia
cardiogeneisis
cardiogenic
cardiogram
cardiograms
cardiograph
cardiographer
cardiographic
cardiographies
cardiographs
cardiography
cardihepatic
cardioid
cardioids
cardiokinetic
cardiolith
cardiologic
cardiological
cardiologies
cardiologist
cardiologists
cardiology
cardiolysis
cardiomalacia
cardiomegалиa
cardiomegaly
cardiomenesisis
cardiometer
cardiometric
cardiometry
cardiomotility
cardiomyoliposis
cardiomyomalacia
cardiomyopathy
cardioncus
cardinosis
cardinoseisis
cardinephric
cardineural
cardineurosis
cardinosus
cardioparplasis
cardiopath
cardiopathic
cardiopathy
cardiopericarditis
cardiophobe
cardiophobia
cardiophrenia
cardioplasty
cardioplegia
cardiopneumatic
cardiopneumograph
cardioptosis
cardiopulmonary
cardiopuncture
cardiopyloric
cardiorenal
cardiopneumatic
cardiograms

---

Open Source Used In CSPC_Collector 2.9.1 10599
carillons
carina
carinae
carinal
carinaria
carininas
carinate
carinated
carination
caring
cariniform
carinula
carinulate
carinule
carioca
cariocas
cariogenic
cariole
carioles
carioling
cariosity
carious
cariousness
caripeta
carisoprodol
caritas
caritative
carites
caritve
carity
cark
carked
carking
carkingly
carkled
carks
carl
carlage
carle
carles
carless
carlet
carli
carlie
carin
carline
carlines
carling
carlings
carlino
carlins
carlish
carlishness
carlism
carlist
carlo
carload
carloading
carloadings
carloads
carlock
carlot
carlovingian
carls
carlylism
carmagnole
carmagnoles
carmaker
carmakers
carmalum
carman
carmel
carmele
carmelite
carmeloite
carmen
carmetta
carmenate
carinative
carminatives
carmine
carmines
carminette
carminic
carminite
carminophilous
carmoisin
carmot
carn
carnac
carnage
carnaged
carnages
carnal
carnalism
carnalite
carnalities
carnality
carnalize
carnalized
carnalizing
carnallite
carnally
carnalness
carnaptious
carnary
carnassial
carnate
carnation
carnationed
carnationist
carnations
carnauba
carnaubs
carnaubic
carnaubyl
carne
carneau
carnegie
camel
carnelian
carnelians
carneol
carneole
carneous
carnet
carnets
carney
carneyed
carneys
carnic
carnie
carnied
carnies
carniferous
carniferrin
carnifex
carnifexes
carnification
carnifices
carnificial
carnified
carnifies
carniform
carnify
carnifying
carnitine
carnival
carnival's
carnivaler
carnivalesque
carnivaller
carnivallike
carnivals
carnivora
carnivoracity
carnivoral
carnivore
carnivores
carnivorism
carnivority
carnivorous
carnivorous

carnivorousness
carnose
carnosin
carnosine
carnosities
carnosity
carnotite
carnous
carns
carny
caroa
caroad
caroach
caroaches
carob
caroba
carobs
caroch
caroch
caroche
caroches
caroigne
carol
carol's
carole
carolean
caroled
caroler
carolers
caroli
carolin
carolina
carolina's
carolinas
caroline
carolines
caroling
carolingian
carolinian
carolinians
carolitic
carolled
caroller
carollers
carolling
carols
carolus
caroluses
carolyn
carom
carombolette
caromed
caramel
caroming
caroms
carone
caronic
caroome
caroon
carosella
carosse
carot
caroteel
carotene
caroten
carotenes
carotenoid
carotic
carotid
carotidal
carotidean
carotids
carotin
carotinaemia
carotinemia
carotinoid
carotins
carotol
carotte
carpeted
carpeting
carpetlayer
carpetless
carpetmaker
carpetsmaking
carpetsmonger
carpets
carpetweb
carpetweed
carpetwork
carpetwoven
carpholite
carphonyology
carphosiderite
carpi
carpid
carpidium
carpincho
carping
carpingly
carpings
carpintero
carpiris
carpium
carpace
carպարկալ
carpocephala
carpocephalum
carpecerite
carpecervical
carpcratian
carpogam
carpogamy
carpogenic
carpogenous
carpogina
carpogone
carpogonia
carpogonial
carpogonium
carpolite
carpolith
carpological
carpologically
carpologist
carpology
carponmania
<table>
<thead>
<tr>
<th>carrot's</th>
<th>carrotage</th>
<th>carroter</th>
<th>carrotier</th>
<th>carrotiest</th>
<th>carrotin</th>
<th>carrotiness</th>
<th>carroting</th>
<th>carrotins</th>
<th>carrots</th>
</tr>
</thead>
<tbody>
<tr>
<td>carrotweed</td>
<td>carroyed</td>
<td>carrying</td>
<td>carryings</td>
<td>carryke</td>
<td>carryon</td>
<td>carryons</td>
<td>carryout</td>
<td>carryouts</td>
<td>carryover</td>
</tr>
<tr>
<td>carryovers</td>
<td>carries</td>
<td>carse</td>
<td>carses</td>
<td>carshop</td>
<td>carshops</td>
<td>carsick</td>
<td>carsickness</td>
<td>carsmith</td>
<td>carson</td>
</tr>
<tr>
<td>carstone</td>
<td>cart</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
cartable
cartaceous
cartage
cartages
carboot
cartbote
carte
carted
cartel
cartelism
cartelist
cartelistic
cartelization
cartelize
cartelized
cartelizing
cartellist
cartels
carter
carterly
carters
cartes
cartesian
cartful
carthame
carthamic
carthamin
carthamus
carthorse
carthusian
cartier
cartiest
cartilage
cartilages
cartilaginean
cartilagineous
cartilaginification
cartilaginoid
cartilaginous
carting
cartisane
cartload
cartloads
cartmaker
cartmaking
cartman
cartobibliography
cartogram
carua
caruage
carucage
carucal
carucarius
carucate
carucated
caruncle
caruncles
caruncula
carunculae
caruncular
carunculate
carunculated
carunculous
carus
carvacrol
carvacryl
carvage
carval
carve
carved
carvel
carvels
carven
carvène
carver
carvers
carvership
carves
carvestrene
carving
carvings
carvist
carvoeira
carvoepra
carvol
carvomenthene
carvone
carvy
carvyl
carwash
carwashes
carwitchet
caryatic
caryatid
caryatidal
caryatidean
caryatides
caryatidic
caryatids
caryl
caryocaraceous
caryophyllaceous
caryophyllene
caryophyline
caryophyllée
caryophyllin
caryophyllous
caryopilite
caryopses
caryopsides
caryopsis
caryotin
caryotins
carzey
casa
casaba
casabas
casabe
casablanca
casal
casalty
casanova
casanovas
casaque
casaques
casaquin
casas
casate
casaun
casava
casavas
casave
casavi
casbah
casbahs
cascabel
cascabels
cascable
cascables
cascadable
cascade
cascaded
cascades
cascading
cascadite
cascado
cascalho
cascalote
cascan
cascara
cascaras
cascarilla
cascalon
cascavel
cascielawis
caschrol
casco
cascol
cascrom
caschrome
case
casease
caseases
caseate
caseated
caseates
caseating
caseation
casebearer
casebook
casebooks
casebound
casebox
caseconv
cased
casefied
casefies
caseful
casefy
casefying
caseharden
casehardened
casehardening
casehardens
caseic
casein
caseinate
caseine
caseinogen
caseins
casekeeper
caseless
caselessly
caskets
casking
casklike
casks
casky
casper
caspian
casque
casqued
casques
casquet
casquetel
casquette
cass
cassaba
cassabanana
cassabas
cassabully
cassada
cassady
cassalty
cassan
cassandra
cassandras
cassapanca
cassare
cassareep
cassata
cassatas
cassate
cassation
cassava
cassavas
casse
casselty
cassena
casserole
casserole's
casseroled
casseroles
casseroling
cassette
cassettes
casshe
cassia
cassias
cassican
cassideous
cassidid
cassidoine
cassidony
cassiduloid
cassie
cassimere
cassina
cassine
cassinette
cassinian
cassino
cassinoid
cassinos
cassioberry
cassiopeia
cassiopeian
cassiopeium
cassique
cassiri
cassis
casses
cassiterite
cassites
cassius
cassock
cassocked
cassocks
cassolette
casson
cassonade
cassone
cassoni
cassons
cassoon
cassoulet
cassowaries
cassowary
cassumunar
cassumuniar
cassy
cast
cast's
castable
castagnole
castalia
castana
castane
castanean
castaneous
castanet
castanets
castanian
castano
castaway
castaways
caste
casted
casteism
casteisms
casteless
castelet
castellan
castellanies
castellano
castellans
castellanship
castellanus
castellany
castellar
castellate
castellated
castellation
castellatus
castellet
castelli
castellum
casten
caster
casterless
casters
castes
casteth
casthouse
castice
castigable
castigate
castigated
castigates
castigating
castigation
castigations
castigative
castigator
castigators
castigatory
castile  
castilian  
castillo  
casting  
castings  
castle  
casted  
castelike  
castlery  
castles  
castlet  
castleward  
castlewards  
castlewise  
castling  
castock  
castoff  
castoffs  
castor  
castoreum  
castorial  
castorin  
castorite  
castorized  
castors  
castory  
castra  
castral  
castrametation  
castrate  
castrated  
castrater  
castrates  
castrati  
castrating  
castration  
castrations  
castrato  
castrator  
castrators  
castratory  
castrensial  
castrensian  
castro  
castrum  
casts  
castuli  
casual
casualism
casualist
casuality
casually
casualness
casuals
casualties
casualty
casualty's
casuarina
casuarinaceous
casuary
casuist
casuistess
casuistic
casuistical
casuistically
casuistics
casuistry
casuists
casula
casule
casus
casusistry
caswellite
cat
cat's
catabaptist
catabases
catabasion
catabasis
catabatic
catabatic
catabion
catabiotic
catabolic
catabolically
catabolin
catabolism
catabolite
catabolize
catabolized
catabolizing
catacaustic
catachreses
catachresis
catachresti
catachrestic
catachrestical
catachrestically
catachthonian
catachthonic
cataclasism

cataclastic
cataclasmic
cataclast

cataclysm

cataclysmal
cataclysmatic
cataclysmatist

cataclysmic
cataclysmically
cataclysmist
cataclysms

catacomb

catacombic
catacombs

catacorner

catacorolla

catacoustics

catacromyodian
catacrotic
catacrotism

catacumba
catacumbal

catacrotic
catacrotism

catadioptric
catadioptrical
catadioptrics

catadrome

catadromous

catadupe

catafalco
catafalque

catalaque

catagene

catagenesis

catagenetic

catagmatic

catagories

cataian

catakinesis

catakinesis

catakinetic

catakinetomer

catakinomic

catalan
catalase
catalases
catalatic
catalecta
catalectic
catalecticant
catalects
catalepsies
catalepsis
catalepsy
cataleptic
cataleptically
cataleptics
cataleptiform
cataleptize
cataleptoid
catalexes
catalexis
catalin
catalina
catalineta
catalinite
catallactic
catallactically
catallactics
catallum
catalo
cataloës
catalog
cataloged
cataloger
catalogers
catalogia
catalogic
catalogical
cataloging
catalogist
catalogistic
catalogize
catalogs
catalogue
catalogued
cataloguer
catalogues
cataloguing
cataloguish
cataloguist
cataloguize
cataloon
catalos
catalowne
catalpa
catalpas
catalufa
catalufas
catalyse
catalyses
catalysis
catalyst
catalyst's
catalysts
catalyte
catalytic
catalytical
catalytically
catalyzator
catalyze
catalyzed
catalyzer
catalyzers
catalyzes
catalyzing
catamaran
catamarans
catamenia
catamenial
camatite
catamited
catamites
catamiting
catamneses
catamnesis
catamnestic
catamount
catamountain
catamounts
catan
catanadromous
catapan
catapasm
catapetalous
cataphasia
cataphatic
cataphonic
cataphonics
cataphora
cataphoresis
cataphoretic
cataphoretically
cataphoria
cataphoric
cataphract
cataphracted
cataphractic
cataphrenia
cataphrenic
cataphrygian
cataphrygianism
cataphyll
cataphylla
cataphyllary
cataphyllum
cataphysic
cataphysical
cataplane
cataplasia
cataplasis
cataplasm
cataplastic
catapleite
cataplexy
catapuce
catapult
catapulted
catapultic
catapultier
catapulting
catapults
cataract
cataractal
cataracted
cataracteg
cataractine
cataractous
cataracts
cataractwise
cataria
catarinite
catarrh
catarrhal
catarrhally
catarrhed
catarrhine
catarrhinian
catarrhous
catarrhs
catasarka
catasarka
catasplite
catasta
catastaltic
catastases
catastasis
catastate
catastatic
catererism
catastrophal
catastrophe
catastrophes
catastrophic
catastrophical
catastrophically
catastrophism
catastrophist
catathymic
catonia
cataoniac
catatonias
catonic
catatonics
catony
catawampous
catawampously
catawamptious
catawamptiously
catawampus
catawba
catawbas
catberry
catbird
catbirds
catboat
catboats
cathrier
cathriers
catcall
catcalled
catcaller
catcalling
catcalls
catch
catchable
catchall
catechetical
catechetically
catechin
catechins
catechisable
catechisation
catechise
catechised
catechiser
catechising
catechism
catechismal
catechisms
catechist
catechistic
catechistical
catechistically
catechists
catechizable
catechization
catechize
catechized
catechizer
catechizes
catechizing
catechol
catecholamine
catecholamines
catechols
catechu
catechumen
catechumenal
catechumenate
catechumenical
catechumenically
catechumenism
catechumens
catechumenship
catechus
catechutannic
categorem
categorematic
categorematical
categorematically
categorial
categoric
categorical
categorically
categoricalness
categories
categorisation
categorise
categorised
categorising
categorist
categorization
categorizations
categorize
categorized
categorizer
categorizers
categorizes
categorizing
category
category's
catel
catelectrode
catelectrotonic
catelectrotonus
catella
catena
catenae
catenane
catenarian
catenaries
catenary
catenas
catenate
catenated
catenates
catenating
catenation
catenative
catenoid
catenoids
catenulate
catepuce
cater
cateran
caterans
caterbrawl
catercap
catercorner
catercornered
catercornerways
catercousin
catheti
cathetometer
cathetometric
cathetus
cathetusti
cathexes
cathexion
cathexis
cathidine
cathin
cathine
cathinine
cathion
cathisma
cathismata
cathodal
cathode
cathode's
cathodegraph
cathodes
cathodic
cathodical
cathodically
cathodofluorescence
cathodograph
cathodography
cathodoluminescence
cathodoluminescent
cathograph
cathography
cathole
catholic
catholic's
catholical
catholically
catholicalness
catholicate
catholicici
catholicisation
catholicise
catholicised
catholiciser
catholicising
catholicism
catholicist
catholicity
catholicization
catholicize
caulosarc
caulotaxis
caulotaxy
caulote
cauls
caum
cau
cauma
cau
caumatic
caunch
cauter
cau
caun
cap
caupo
caporate
caporation
capones
capone
caurale
caus
causa
causability
causable
causae
causal
causalgia
causalities
causality
causally
causals
causans
causata
causate
causation
causation's
causational
causationism
causationist
causations
causative
causatively
causativeness
causativity
causator
causatum
cause
caused
causeful
causeless
causelessly
cavalierishness
cavalierism
cavalierly
cavalierness
cavaliero
cavaliers
cavaliership
cavalla
cavallas
cavallies
cavally
cavalries
cavalry
cavalryman
cavalrymen
cavascope
cavate
cavated
cavatina
cavitinas
cavitine
cavayard
cavdia
cave
cavea
caveae
caveat
caveat's
caveated
caveatee
caveating
caveator
caveators
caveats
caved
cavefish
cavefishes
cavekeeper
cavel
cavelet
cavelike
caveman
cavemen
cavendish
caver
cavern
cavern's
cavernal
caverned
cavernicolous
caverning
cavernitis
cavernlike
cavernoma
cavernous
cavernously
caverns
cavernulous
cavers
caves
cavesson
cavetti
cavetto
cavettos
cavey
caviar
caviare
caviare
caviars
caviars
cavicorn
cavie
cavies
cavil
caviled
caviler
cavilers
caviling
cavilingly
cavilingness
cavillation
cavillatory
cavil
cavilled
caviller
cavillers
cavilling
cavillingly
cavillingness
cavillous
cavis

caving

cavings

cavish

cavitary

cavitate

cavitated
cayuga
cayugas
cayuse
cayuses
caza
cazibi
cazimi
cazique
caziques
eb
cc
ccessor
chaddoorck
ccid
ccitt
ckw
ccm
ccw
ccws
cd
cdf
cdg
cdr
ce
ceanothus
cearin
cease
ceased
ceaseless
ceaselessly
ceaselessness
ceases
ceasing
ceasmic
cebell
cebian
cebido
cebids
cebils
cebine
cebold
cebolds
cebolds
cebollite
cebur
cebus
ceca
cecal
cecallly
celative
celature
cele
celeb
cellebe
celleses
celebrant
celebrants
celebrate
celebrated
celebrately
celebratedness
celebrater
celebrates
celebrating
celebration
celebrations
celebrative
celebrator
celebrators
celebratory
celebre
celebres
celebret
celebrious
celebrity
celebrity's
celebs
celem
celemes
clemomorph
clemomorphic
celeriac
celeriacs
celeries
celerities
celerity
celay
cel esta
cel estas
cel estes
cel estes
cel estial
cel stiality
cel stialize
cel stialized
celestially
cestialness
celestify
celestina
celestine
celestite
celestitude
celeusma
celiac
celiadelphus
celiagra
celialgia
celibacies
celibacy
celibataire
celibatarian
celibate
celibates
celibatic
celibatist
celibatory
celidographer
celidography
celiectasia
celiectomy
celiemia
celititis
celiocele
celiocentesis
celiocolpotomy
celiocyesis
celiodynia
celioelytrotomy
celioenterotomy
celiogastrotomy
celiohysterotomy
celiolymph
celiomyalgia
celiomyodynia
celiomyectomy
celiomyomectomy
celiomyomotomy
celiomyositis
celioncus
celioparacentesis
celiopyosis
celiorrhaphy
celiorrhea
celiosalpingectomy
cellloid
celloidin
celloist
cellophane
celos
cellose
cells
cellular
cellularly
cellulase
cellulate
cellulated
cellulating
cellulation
cellule
celules
cellulicidal
celluliferous
cellulifugal
cellulifugally
cellulin
cellulipetal
cellulipetally
cellulitis
cellulocutaneous
cellulofibrous
celluloid
celluloided
cellulolytic
cellulose
cellulosed
celluloses
cellulosic
cellulosing
cellulosities
cellulosity
cellulotoxic
cellulous
celom
celomata
celoms
celoscope
celosia
celosias
celotomies
celotomy
celsian
celsitude
celsius
celt
celtic
celticist
celtiform
celtium
celts
celtuce
celure
cembali
cembalist
cembalo
cembalon
cembalos
cement
cuenta
cemental
cementation
cementary
cemented
cementer
cementers
cementification
cementing
cementite
cementitious
cementless
cementlike
cementmaker
cementmaking
cementoblast
cementoma
cements
cementum
cementwork
cemetaries
cemetary
cemeterial
cemeteries
cemetery
cemetery's
cen
cenacle
cenacles
cenaculum
cenanthous
cenanthy
cenation
cenatory
cencerro
cencerros
cendre
cene
cenesthesia
cenesthesia
cenesthetic
cenizo
ceno
cenobian
cenobies
cenobite
cenobites
cenobitic
cenobitical
cenobitically
cenobitism
cenobium
cenoby
cenogamy
cenogenesis
cenogenetic
cenogenetically
cenogonous
cenosite
cenosity
cenospecies
cenospecific
cenospecifically
cenotaph
cenotaphic
cenotaphies
cenotaphs
cenotaphy
cenote
cenotes
cenozoic
cenozoology
cense
censed
censer
censerless
censers
censes
censing
censitaire
censive
censor
censorable
censorate
censored
censorial
censorian
censoring
censorious
censoriously
censoriousness
censors
censorship
censal
censurability
censurable
censurableness
censurably
censure
censured
censureless
censurer
censurers
censures
censureship
censuring
census
census's
censused
censuses
censusing
cent
centage
centai
cental
centals
centare
centares
centas
centaur
centaurodom
centaurea
centauress
centauri
centaurnal
centaurian
centaurec
centauries
centauromachia
centauromachy
centaurs
centaurus
centaury
centavo
centavos
centena
centenar
centenarian
centenarianism
centenarians
centenaries
centenary
centenier
centenionales
centenionalis
centennia
centennial
centennially
centennials
centennium
center
center's
centerable
centerboard
centerboards
centered
centeredly
centeredness
centerer
centerfold
centerfolds
centering
centerless
centerline
centermost
centerpiece
centerpiece's
centerpieces
centerpunch
centers
centervelic
centerward
centerwise
centeses
centesimal
centesimally
centesimate
centesimation
centesimi
centesimo
centesimos
centesis
centesm
centetid
centgener
centgrave
centi
centiare
centiare
centiares
centibar
centiday
centifolious
centigrade
centigrado
centigram
centigramme
centigrams
centile
centiles
centiliter
centiliters
centilitre
centillion
centillions
centillionth
centiloquy
centime
centimes
centimeter
centimeters
centimetre
centimetres
centimo
centimolar
centimos
centinel
centinody
centinormal
centipedal
centipede
centipede's
centipedes
centiplume
centrist
centrists
centro
centroacinar
centrobaric
centrobarical
centroclinal
centrode
centrodesmose
centrodesmus
centrodorsal
centrodorsally
centroid
centroidal
centroids
centrolecithal
centrolepidaceous
centrolinead
centrolineal
centromere
centromeric
centrone
centronucleus
centroplasm
centrosome
centrosomic
centrosphere
centrosymmetric
centrosymmetrical
centrosymmetry
centrum
centrums
centru
ctentry
cents
centum
centums
centumvir
centumviral
centumvirate
centuple
centupled
centuples
centuplicate
centuplicating
centuplication
centupling
cephalization
ccephaloauricular
ccephalob
ccephalobranchiate
ccephalocathartic
ccephalocaudal
ccephalocele
ccephalocentesis
ccephalocerical
ccephalochord
ccephalochordal
ccephalochordate
ccephaloclasia
ccephaloclast
ccephalocone
ccephaloconic
ccephalocyst
ccephalodia
ccephalodiscid
ccephalodium
ccephalodymia
ccephalodymus
ccephalodynia
ccephalofacial
ccephalogenesis
ccephalogram
ccephalograph
ccephalohumeral
ccephalohumeralis
ccephaloid
ccephalology
ccephalom
ccephalomancy
ccephalomant
ccephalomelus
ccephalomenia
ccephalomeningitis
ccephalomere
ccephalometer
ccephalometric
ccephalometry
ccephalomotor
ccephalomyitis
ccephalon
ccephalonasal
ccephalopagus
ccephalopathy
ccephalopharyngeal
cephalophine
cephalophorous
cephalophyma
cephaloplegia
cephaloplegic
ccephalopod
ccephalopoda
ccephalopodan
ccephalopodic
ccephalopodus
ccephalorachidian
ccephalorhachidian
ccephaloridine
ccephalosome
ccephalospinal
ccephalosporin
ccephalostyle
ccephalotaceous
ccephalotheca
ccephalothecal
ccephalothoraces
ccephalothoracic
ccephalothoracopagus
ccephalothorax
ccephalothoraxes
ccephalotome
ccephalotomy
ccephalotractor
ccephalotribe
ccephalotripsy
ccephalotrocha
ccephalous
cpeheid
cpeheids
cpehen
cpeheus
ccephid
cceous
cceps
ccepter
cceptor
ccequi
ccera
cceraceous
ccerago
cceral
cceramal
cceramals
cerambycid
ceramiaceous
ceramic
ceramicist
ceramicists
ceramicite
ceramics
ceramidium
ceramist
ceramists
ceranium
ceramographic
ceramography
cerargyrite
ceras
cerasein
cerasin
cerastes
cerat
cerata
cerate
ceratectomy
cerated
cerates
ceratiasis
ceratiid
ceratin
ceratinous
ceratins
ceratioid
ceration
ceratite
ceratitic
ceratitoid
ceratium
ceratoblast
ceratobranchial
ceratocricoid
ceratocystis
ceratodus
ceratoduses
ceratofibrous
ceratoglossal
ceratoglossus
ceratohyal
ceratohyoid
ceratoid
ceratomandibular
ceratomania
ceratophyllaceous
ceratophyte
ceratopsian
ceratopsid
ceratopteridaceous
ceratorhine
ceratosaurus
ceratospongian
ceratotheca
ceratotheca
ceratothecae
ceratothecal
ceraunia
ceraunics
ceraunite
ceraunogram
ceraunograph
ceraunomancy
ceraunophone
ceraunoscope
ceraunoscopy
cerberean
cerberus
cercal
cercaria
cercarie
cercarial
cercarian
cercarias
cercariform
cercelee
cerci
cercis
cercises
cercle
cercomonad
cercopid
cercopithecid
cercopithecoid
cercopithecus
cercopod
cer
cereal
cereal's
cerealian
cerealin
cerealism
cerealist
cerealose
cereals
cerebbella
cerebella
cerebellar
cerebellifugal
cerebellipetal
cerebellitis
cereblocortex
cereblopontile
cereblopontine
cerebellorubral
cerebellospinal
cerebellum
cerebellums
cerebra
cerebral
cerebralgia
cerebralism
cerebralist
cerebralization
cerebralize
cerebrally
cerebrals
cerebrasthenia
cerebrasthenic
cerebrate
cerebrated
cerebrates
cerebrating
cerebration
cerebrational
cerebrations
cerebri
cerebric
cerebricity
cerebriform
cerebriformly
cerebrifugal
cerebrin
cerebripetal
cerebritis
cerebrize
cerebrocardiac
cerebrogalactose
cerebroganglion
cerebroganglionic
cerebroid
cerebrology
cerebroma
cerebromalacia
cerebromedullary
cerebromeningeal
cerebromeningitis
cerebrometer
cerebron
cerebronic
cerebroparietal
cerebropathy
cerebropedal
cerebrophysiology
cerebropontile
cerebropsychosis
cerebrorachidian
cerebrosclerosis
cerebroscope
cerebroscopy
cerebrose
cerebrosensorial
cerebroside
cerebrosis
cerebospinal
cerebrospinant
cerebrosuria
cerebrotomy
cerebrotonia
cerebrotonic
cerebrovascular
cerebrovisceral
cerebrum
cerebrums
cerecloth
cerecloths
cered
cereless
cerement
cerements
ceremonial
ceremonialism
ceremonialist
ceremonialists
ceremonialize
ceremonially
ceremonialness
ceremonials
ceruminal
ceruminiferous
ceruminous
cerumniparous
ceruse
ceruses
cerusite
cerusites
cerussite
cervalet
cervantes
cervantic
cervantine
cervantite
cervelas
cervelas
cervelat
cervelat
cerveliere
cervelliere
cervical
cervicaprine
cervicectomy
cervices
cervicocardiac
cervicide
cerviciplex
cervicispinal
cervicitis
cervicouricular
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxillary
cervicoaxilla
cervid
cervine
cervisia
cervisial
cervix
cervixes
cervoid
cervuline
ceryl
cesar
cesare
cesarean
cesareans
cesarevitch
cesarian
cesarians
cesarolite
cesious
cesium
cesiums
cespititious
cespititious
cespitose
cespitosely
cespitulose
cess
cessant
cessantly
cession
cession's
cessations
cessative
cessavit
cessed
cesser
cesses
cessible
cessing
cessio
cession
cessionaire
cessionaries
cessionary
cessionee
cessions
cessment
cessor
cesspipe
cesspit
cesspits
cesspool
cesspools
cest
cesta
cestas
ceste
cesti
cestode
cestodes
cestoic
cestoid
cestoidean
cestoids
ceston
cestos
cestraciont
cstration
cestrian
cestrum
cestui
cestus
cestuses
cestuy
cesura
cesurae
cesural
cesuras
cesure
cetacea
cetacean
cetaceans
cetaceous
cetaceum
cetane
cetanes
cete
cetene
ceteosaur
ceteria
ceterach
cetes
ceti
cetic
cketicide
cketin
cetiosaurian
cetiosaurus
cetological
cetologies
cetologist
cetology
cetomorphic
cetonian
cetorhinid
cetorhinoid
cetotolite
cetaric
cetrarin
cetus
cetyl
cetylene
cetylic
cevadilla
cevadilline
cevadine
cevian
ceviche
ceviches
cevine
cevitamic
ceylanite
ceylon
ceylonese
ceylonite
cyssatite
cf
cfd
cfh
cfi
cfm
cfs
cg
cgm
cgs
ch
ch’in
cha
chaa
chab
chabasie
chabasite
chabazite
chaber
chablis
chabot
chabouk
chabouks
chabuk
chabuks
chabutra
chacate
chaccon
chace
chachalaca
chachalakas
chack
chacker
chackle
chackled
chackler
chackling
chacma
chacmas
chaco
chacoli
chacona
chaconne
chaconnes
chara
chacte
chacun
chad
chadacryst
chadar
chadarim
chadars
chadelle
chadless
chadlock
chador
chadors
chadri
chads
chaeta
chaetae
chaetal
chaetiferous
chaetodon
chaetodont
chaetodontid
chaetognath
chaetognathan
chaetognathous
chaetophobia
chaetophoraceous
chaetophorous
chaetopod
chaetopodan
chaetopodous
chaetopterin
chaetosema
chaetotactic
chaetotaxy
chafe
chafed
chafer
chaferies
chafers
chafery
chafes
chafewax
chafeweed
chaff
chaffcutter
chaffed
chaffer
chaffered
chafferer
chafferers
chaffering
chaffers
chaffery
chaffier
chaffiest
chaffinch
chaffinches
chaffiness
chaffing
chaffingly
chaffless
chafflike
chaffman
chaffron
chaffs
chaffseed
chaffwax
chaffweed
chaffy
chafing
chaft
chirladies
chirlady
chairless
chairlift
chairmaker
chairmaking
chairman
chairmaned
chairmaning
chairmanned
chairmanning
chairmans
chairmanship
chairmanships
chairmen
chairmender
chairmending
chairperson
chairperson's
chairpersons
chairs
chairwarmer
chairway
chairwoman
chairwomen
chais
chaise
chaiseless
chaises
chaitra
chaiitya
chaiityas
chaja
chaka
chakar
chakari
chakazi
chakdar
chakobu
chakra
chakram
chakras
chakravartin
chaksi
chal
chalaco
chalalah
chalalhs
chalana
chalastic
chalaza
chalazae
chalazal
chalazas
chalaze
chalazia
chalazian
chalaziferous
chalazion
chalazium
chalazogam
chalazogamic
chalazogamy
chalazoidite
chalazoin
chalcanth
chalcanthite
chalcedonian
chalcedonic
chalcedonies
chalcedonous
chalcedony
chalcedonyx
chalchihuitl
chalchuite
chalcid
chalcidian
chalcidica
chalcidicum
chalcidid
chalcidiform
chalcidoid
chalcids
chalctites
chalcocite
chalcogen
chalcogenide
chalcograph
chalcographer
chalcographic
chalcographical
chalcographist
chalcography
chalcolite
chalcolithic
chalcomancy
chalcomenite
chalcon
chalcone
chalcophanite
chalcophile
chalcopyllite
chalcopryrite
chalsosiderite
chalcosine
chalcostibite
chalcotrichite
chalcotript
chalcus
chaldaic
chaldean
chaldee
chalder
chaldese
chaldron
chaldrons
chaleh
chalehs
chalet
chalets
chalice
chalice's
chalice'd
chalipec
chamines
chamicosis
chalicothere
chalicotheriid
chalicotherioid
chalinine
chalk
chalkboard
chalkboards
chalkcutter
chalked
chalker
chalkier
chalkiest
chalkiness
chalking
chalklike
chalkline
chalkography
chalkone
chalkos
chalybean
chalybeate
chalybeous
chalybite
cham
chama
chamade
chamades
chamaecranial
chamaephyte
chamaeprosopic
chamaerops
chamaerrhine
chamal
chamar
chambellan
chamber
chamberdeacon
chambered
chamberer
chamberfellow
chambering
chamberlain
chamberlain's
chamberlainry
chamberlains
chamberlainship
chamberlet
chamberleted
chamberletted
chambermaid
chambermaids
chambers
chambertin
chamberwoman
chambranle
chambray
chambrays
chambre
chambrel
chambul
chamecephalic
chamecephalous
chamecephalus
chamecephaly
chameleon
chameleonic
chameleonize
chameleonlike
cameleons
chametz
chamfer
chamfered
chamferer
chamfering
chamfers
chamfrain
chamfron
chamfrons
chamisal
chamise
chamises
chamiso
chamisos
chamite
chamlet
chamm
chamma
chammied
chammies
chammy
chammying
chamois
chamoised
chamoises
chamoising
chamoisite
chamoix
chamoline
chamomile
chamosite
chamotte
champ
champac
champaca
champacol
champacs
champagne
champagned
champagneless
champagnes
champagning
champagnize
champagnized
champagnizing
champaign
champain
champak
champaka
champaks
champart
champe
champed
champer
champerator
champers
champert
champerties
champertor
champertous
champerty
champian
champignon
champignons
champine
champing
champion
championed
championess
championing
championize
championless
championlike
champions
championship
championship's
championships
champlev
champleve
champs
champy
chams
chamsin
chan
chance
chanceable
chanceably
chanced
chanceful
chancefully
chancefulness
chancel
chanceled
chanceless
chandelies
chandelling
chandi
chandler
chandleress
chandleries
chandlering
chandlerly
chandlers
chandlery
chandoo
chandrákanta
chandrákhi
chandry
chandu
chandui
chandul
chanduy
chaneled
chaneling
chanelled
chanfrin
chanfron
chanfrons
chang
changa
changable
changar
change
changeability
changeable
changeableness
changeably
changeabout
changed
changedale
changedness
changeful
changefully
changefulness
changeless
changelessly
changelessness
changeling
changelings
changeling
changemaker
changement
changeover
changeovers
cangepocket
cchanger
changers
changes
changing
changs
chank
chankings
channel
channelbill
channeled
channeler
channeling
channelization
channelize
channelized
channelizes
channelizing
channelled
channeler
channeller's
channellers
channelling
channelly
channels
channelure
channelwards
channer
chanoyu
chanson
chansonette
chansonnette
chansonnier
chansonniers
chansons
chanst
chant
chantable
chantage
chantages
chantant
chantecler
chanted
chantefable
chantepleure
chanter
chanterelle
chanters
chantership
chanteur
chureuse
chanteuses
chantey
chanteyman
chanteys
chanticleer
chanticleer's
chanticleers
chantier
chanties
chantilly
chanting
chantingly
chantlate
chantment
chantor
chantors
chantress
chantries
chantry
chants
chanty
chanukah
chao
chaogenous
chaology
chaori
chaos
chaoses
chaotic
chaotical
chaotically
chaoticness
chaoua
chaoush
chap
chap's
chapah
chapapote
chaparajos
chaparejos
chaparral
chaparrals
chaparraz
chaparro
chapati
chapaties
chapatis
chapatti
chapatties
chapattis
chapatty
chapbook
chapbooks
chape
chapeau
chapeaus
chapeaux
chaped
chapel
chapel's
chapeled
chapeless
chapelet
chapelgoer
chapelgoing
chapeling
chapelize
chapellage
chapellany
chapelled
chapelling
chapelman
chapelman
chapemaster
chapelries
chapelry
chapels
chapelward
chaperno
chaperon
chaperonage
chaperone
chaperoned
chaperoning
chaperonless
chaperons
chapes
chapfallen
chapfallenly
chapin
chapiter
chapiters
chapitle
charism
charisma
charismas
charismata
charismatic
charisms
charisticary
charitable
charitableness
charitably
charitative
charities
charity
charity's
charityless
charivan
charivari
charivaried
charivariing
charivaris
chark
charka
charkas
charked
charkha
charkhana
charkhas
charking
charks
charladies
charlady
charlatan
charlatanic
charlatanical
charlatanically
charlatanish
charlatanism
charlatanistic
charlatanries
charlatanry
charlatans
charlatanship
charlemagne
charles
charleston
charlestons
charlesworth
charlet
chartology
chartometer
chartophylacia
chartophylacium
chartophylax
chartophylaxes
chartreuse
chartreux
chartroom
charts
chartula
chartulae
chartularies
chartulary
chartulas
charuk
charvet
charwoman
charwomen
chary
charybdis
chasable
chase
chaseable
chased
chaser
chasers
chases
chashitsu
chasid
chasing
chasings
chasm
chasm's
chasma
chasmal
chasmed
chasmic
chasmogamic
chasmogamous
chasmogamy
chasmophyte
chasms
chasmy
chass
chasse
chassed
chasseing
chasselas
chassepot
chassee
chassies
chasseur
chasseurs
chassignite
chassis
chaste
chastelain
chastely
chasten
chastened
chastener
chasteners
chasteness
chastening
chasteningly
chastenment
chastens
chaster
chastest
chasteweed
chastiment
chastisable
chastise
chastised
chastisement
chastiser
chastisers
chastises
chastising
chastities
chastity
chastize
chastizer
chasty
chasuble
chasubled
chasubles
chat
chataka
chatchka
chatchkas
chatchke
chatchkes
chateau
chateau's
chateaubriand
chateaugray
chateaus
chateaux
chatelain
chatelaine
chatelaines
chatelainry
chatelains
chatelet
chatellany
chateus
chathamite
chathamites
chati
chaton
chatons
chatoyance
chatoyancy
chatoyant
chats
chatsome
chatta
chattable
chattack
chattah
chattanooga
chattation
chatted
chattel
chattelhood
chattelism
chattelization
chattelize
chattelized
chattelizing
chattels
chattelship
chatter
chatteration
chatterbag
chatterbox
chatterboxes
chattered
chatterer
chatterers
chattererz
chattering
chatteringly
chattermag
chattermaggging
chatters
chattery
chattier
chatties
chattiest
chattily
chattiness
chatting
chattingly
chatty
chatwood
chaucer
chaucerian
chaudfroid
chaudron
chaufor
chaufers
chauffage
chauffer
chauffers
chauffeur
chauffeured
chauffeuring
chauffeurs
chauffeurship
chauffeuse
chauffeuses
chauck
chaukidari
chauldron
chaule
chaulmaugra
chaulmoogra
chaulmoograte
chaulmoogric
chaulmugra
chaum
chaumer
chaumiere
chaumontel
chaunoprockt
chaunt
chaunted
chaunter
chaunters
chaunting
chaunts
chauri
chaus
chaussee
chausseemeile
chaussees
chausses
chaussure
chaussures
chautauqua
chaute
chauth
chauve
chauvin
chauvinism
chauvinist
chauvinistic
chauvinistically
chauvinists
chave
chavel
chavender
chaver
chavibetol
chavicine
chavicol
chavish
chaw
chawan
chawbacon
chawbone
chawbuck
chawdron
chawed
chawer
chawers
chawing
chawk
chawl
chawle
chawn
chaws
chawstick
chay
chaya
chayaroot
dchayote
dchayotes
dchayroot
dchays
dchazan
dchazanim
dchazans
dchazanut
dchazzan
dchazzanim
dchazzans
dchazzanut
dchazzen
dchazzenim
dchazzens
dche
dcheap
dcheapen
dcheapened
dcheapener
dcheapening
dcheapens
dcheaper
dcheapery
dcheapest
dcheapie
dcheapies
dcheaping
dcheapings
dcheapish
dcheapishly
dcheapjack
dcheaply
dcheapness
dcheapo
dcheapos
dcheap
dcheapenskate
dcheapeskates
dcheare
dcheat
dcheatable
dcheatableness
dcheated
dcheatee
dcheater
dcheateries
dcheaters
cheatery
cheating
cheatingly
cheatrie
cheatry
cheats
chebacco
chebec
chebeck
chebecs
chebel
chebog
chebule
chebulic
chebulinic
chechako
chechakos
chechem
chechia
check
checkable
checkage
checkback
checkbird
checkbit
checkbite
checkbits
checkbook
checkbook's
checkbooks
checke
checked
checker
checkerbellies
checkerbelly
checkerberries
checkerberry
checkerbloom
checkerboard
checkerboarded
checkerboarding
checkerboards
checkerbreast
checkered
checkering
checkerist
checkers
checkerspot
checkerwise
checkerwork
checkery
checkhook
checking
checklaton
checkle
checkless
checkline
checklist
checklists
checkman
cemark
ccheckmate
ccheckmated
ccheckmates
ccheckmating
ccheckoff
ccheckoffs
ccheckout
ccheckouts
ccheckpoint
ccheckpoint’s
ccheckpointed
ccheckpointing
ccheckpoints
ccheckrack
ccheckrail
ccheckrein
ccheckroll
ccheckroom
ccheckrooms
ccheckrope
ccheckrow
ccheckrowed
ccheckrower
ccheckrowing
ccheckrows
cchecks
ccheckstone
ccheckstrap
ccheckstring
cchecksum
cchecksum’s
cchecksummed
cchecksumming
cchecksums
ccheckup
checkups
checkweigher
checkweighman
checkweighmen
checkwork
checkwriter
checky
chedar
cheddar
cheddaring
cheddars
cheddite
cheddites
cheder
cheders
chedite
chedites
chedlock
chedreux
chee
cheecha
cheechaco
cheechako
cheechakos
cheeful
cheefuller
cheefullest
cheek
cheek's
cheekbone
cheekbones
cheeked
cheeker
cheekful
cheekfuls
cheekier
cheekiest
cheekily
cheekiness
cheeking
cheekish
cheekless
cheekpiece
cheeks
cheeky
cdeeney
cheep
cheeped
cheeper
cheepers
cheepier
cheepiest
cheepily
cheepiness
cheeping
cheeps
cheepy
cheer
cheered
cheerer
cheerers
cheerful
cheerfulize
cheerfuller
cheerfullest
cheerfully
cheerfulness
cheerfulsome
cheerier
cheeriest
cheerily
cheerinness
cheering
cheeringly
cheerio
cheerios
cheerlead
cheerleader
cheerleaders
cheerleading
cheered
cheerless
cheerlessly
cheerlessness
cheerly
cheero
cheeros
cheers
cheery
cheese
cheese's
cheeseboard
cheesebox
cheeseburger
cheeseburgers
cheesecake
cheesecakes
cheesecloth
cheesecloths
cheese curd
cheesecutter
cheesed
cheese flower
cheeselep
cheeselip
cheesemaker
cheesemaking
cheesemonger
cheesemongering
cheesemongerly
cheesemongery
cheeseparer
cheeseparing
cheeser
cheesery
cheeses
cheesewood
cheesier
cheesiest
cheesily
cheesiness
cheesing
cheesy
cheet
cheetah
cheetahs
cheetal
cheeter
cheetie
cheetul
cheewink
cheezit
chef
chef's
chefdom
chefdoms
chefs
chego
chego faster
chegoes
chegre
cheiceral
cheilialion
cheilitis
cheiloplasties
cheiloplasty
cheilostomatous
cheilotomies
cheilotomy
cheimaphobia
cheimatophobia
cheir
cheiragra
cheiognomy
cheiography
cheirolin
cheirol ine
cheirol ogy
cheiromancy
cheiromegaly
cheiropagium
cheiropod
cheiropodist
cheiropody
cheiropompholyx
cheiroptera
cheiropterygium
cheirosophy
cheiropasm
cheirotherium
ceka
cek an
che ke
che ken
cek ho v
ch ek i
ch ekker
ch ekmak
chela
chelae
chelas
chelaship
chelatable
chelate
chelated
chelates
chelating
chelation
chelator
chelators
chelem
chelerythrin
chemically
chemicals
chemick
chemicked
chemicker
chemicking
chemicoastrological
chemicobiologic
chemicobiological
chemicobiology
chemicocautery
chemicodynamic
chemicoengineering
chemicoluminescence
chemicoluminescent
chemicomechanical
chemicomineralogical
chemicopharmaceutical
chemicophysical
chemicophysics
chemicophysiological
chemicovital
chemics
chemiculture
chemigraph
chemigrapher
chemigraphic
chemigraphically
chemigraphy
chemiloon
chemiluminescence
chemiluminescent
chemin
cheminee
chemins
chemiotactic
chemiotaxic
chemiotaxis
chemiotropic
chemiotropism
chemiphotic
chemis
chemise
chemises
chemisette
chemism
chemisms
chemisorb
chemisorption
chemisorptive
chemist
chemist's
chemistry
chemists
chemistries
chemitype
chemitypies
chemitypy
chemizo
chemmy
chemoautotrophic
chemoautotrophically
chemoautotrophy
chemoeceptor
chemokinesis
chemokinetic
chemolysis
chemolytic
chemolyze
chemonite
chemopallidectomies
chemopallidectomy
chemopause
chemophysiological
chemophysiology
chemoprophyalactic
chemoprophyalactic
chemoprophylaxis
chemoreception
chemoreceptive
chemoreceptivities
chemoreceptivity
chemoreceptor
chemoreflex
chemoresistance
chemosensitive
chemosensitivities
chemosensitivity
chemoserotherapy
chemoses
chemosis
chemosmoic
chemosmoses
chemosmosis
chemosmotic
chemosorb
chemosorption
chemosorptive
chemosphere
chemospheric
chemostat
chemosterilant
chemosterilants
chemosurgery
chemosurgical
chemosynthesis
chemosynthetic
chemosynthetically
chemotactic
chemotactically
chemotaxis
chemotaxonomic
chemotaxonomically
chemotaxonomist
chemotaxonomy
chemotaxy
chemotherapeutic
chemotherapeutical
chemotherapeutically
chemotherapeuticness
chemotherapeutics
chemotherapies
chemotherapist
chemotherapists
chemotherapy
chemotic
chemotroph
chemotrophic
chemotropic
chemotropically
chemotropism
chempaduk
chemurgic
chemurgical
chemurgically
chemurgies
chemurgy
chena
chenar
chende
cheneau
cheneaus
cheneaux
chenet
chenevixite
chenfish
cheng
chengal
chenica
chenier
chenille
cheniller
chenilles
chenopod
chenopodiaceous
chenopods
cheongsam
cheoplastastic
chepster
cheque
chequebook
chequeen
chequer
chequerboard
chequered
chequering
chequers
chequerwise
chequerwork
cheques
chequin
chequinn
chequy
cher
cherchez
chercock
chere
cherely
cherem
chernenkov
chergui
chérie
cherses
cherimolla
cherimoya
cherimoyer
cherish
cherishable
cherished
cherisher
cherishers
cherishes
cherishing
cHERISHINGLY
cherishment
cHERMES
cherna
cHERNITES
chernozem
cHERNOZEMIC
cherogril
cHEROKEE
cherokees
cHEROOT
cheroots
cherried
cherries
cherry
cherry's
cherryblossom
cherrying
cherrylike
cherrystone
cherrystones
chersonese
chert
cherte
chertierv
chertiervest
cherts
cherty
cherub
cherub's
cherubfish
cherubfishes
cherubic
cherubical
cherubically
cherubim
cherubimic
cherubimical
cherubin
cherublike
cherubs
cherup
chervil
chervils
chervonei
chervonets
chervonetz
chervontsi
chesapeake
chesboil
chesboll
chese
cheselip
cheshire
chesil
cheskey
cheskeys
cheslep
cheson
chesoun
chess
chessart
chessboard
chessboards
chesddom
chessel
chesser
cheses
chesset
chessist
chessman
chessmen
chessner
chessom
chesstree
chessylite
chest
chested
chesteine
chester
chesterbed
chesterfield
chesterfields
chesterlite
chestful
chestfuls
chestier
chestiest
chestily
chestiness
chestnut
chestnut's
chestnuts
chestnutty
chests
chesty
chetah
chetahs
cheth
cheths
chetif
chetive
chetopod
chetrum
chetrums
chettik
chetty
chetverik
chetvert
cheung
chevachee
chevachie
chevage
cheval
chevalet
chevalets
chevalier
chevaliers
chevaline
chevance
chevaux
cheve
chevee
chevelure
cheven
chevener
cheventayn
cheverel
cheveret
cheveril
cheveron
cheverons
chevesaile
chevesne
chevet
chevetaine
cheveys
chevied
chevies
cheville
chevin
cheviot
cheviots
chevisance
chevise
chevon
chevre
chevres
chevret
chevrette
chevreuil
chevrolet
chevrolets
chevron
chevrone
chevroned
chevronel
chevronelly
chevronny
chevrons
chevronwise
chevrony
chevrotain
chevv
chevy
chevying
chew
chewable
chewbark
chewed
cheweler
chewer
chewers
chewet
chewie
chewier
chewiest
chewing
chewink
chews
chewins
chewstick
chewy
cheyenne
cheyennes
cheyney
cheyneys
chez
chg
chhatri
chi
chicagoans  
chicalote  
chicane  
chicaned  
chicaner  
chicaneries  
chicaners  
chicanery  
chicanes  
chicaning  
chicano  
chicanos  
chicaric  
chicayote  
chiccories  
chicory  
chicer  
chicest  
chich  
chicha  
chicharra  
chichevache  
chichi  
chichicaste  
chichili  
chichimecan  
chichipate  
chichipe  
chichis  
chichituna  
chichiling  
chick  
chickabiddy  
chickadee  
chickadee's  
chickadees  
chikaree  
chikasaw  
chikasaws  
chickee  
chickees  
chickell  
chicken  
chickenberry  
chickenbill  
chickenbreasted  
chickened  
chickenhearted
chickenheartedly
chickenheartedness
chickenhood
chickening
chickenpox
chickens
chickenshit
chickenweed
chickenwort
chicker
chickery
chickhood
chickies
chickling
chickories
chickory
chickpea
chickpeas
chicks
chickstone
chickweed
chickweeds
chickwit
chicky
chicle
chiclero
chicles
chicly
chicness
chicnesses
chico
chicories
chicory
chicos
chicot
chicote
chicqued
chicquer
chicquest
chicquing
chics
chid
chidden
chide
chided
chider
chiders
chides
chiding
chidingly
chidingness
chidra
chief
chiefage
chiefdom
chiefdoms
chiefer
chiefery
chiefess
chiefest
chiefish
chiefless
chiefling
chiefly
chiefry
chiefs
chiefsdom
chiefsdom
chiefsdoms
chiefsdoms
chiefr
chiefrery
chiefest
chiefish
chiefless
chiefling
chiefly
chiefery
chiefs
chiefsdom
chiefsdoms
chieftains
chieftaincy
chieftaincy
chieftainness
chieftainries
chieftainries
chieftainry
chieftainry
chieftains
chieftainship
chieftainships
chieftess
chieftess
chiefty
chiel
chield
chields
chiels
chien
chierete
chievance
chieve
chiffchaff
chiffer
chifferobe
chiffon
chiffonade
chiffonier
chiffoniers
chiffonnier
chiffonniere
chiffonniere
chiffoniers
chiffons
chiffony
chifforobe
chifforobes
chiffre
chiffrobe
chidgetai
chigetais
chigga
chiggak
chigger
chiggers
chiggerweed
chignon
chignoned
chignons
chigoe
chigoes
chih
chihfu
chihuahua
chihuahuas
chikara
chikee
chil
chilacavote
chilacayote
chilalgia
chilaria
chilarium
chilblain
chilblained
chilblains
child
childage
childbear
childbearing
childbed
childbeds
childbirth
childbirths
childcrowing
childe
childed
childemas
childes
childhood
childhoods
childing
childish
childishly
childishness
childkind
childless
childlessness
childlier
childliest
childlike
childlikeness
childly
childminder
childness
childproof
childre
children
children's
childrenite
childridden
childship
childward
childwife
childwite
chile
chilean
chileans
chilectropion
chilenite
chiles
chili
chiliad
chiliadal
chiliadic
chiliadron
chiliads
chiliaedron
chiliagon
chiliahedron
chiliarch
chiliarchia
chiliarchy
chiliasm
chiliasms
chiliast
chiliastic
chiliasts
chilicote
chilicothe
chilidium
chilidog
chilidogs
chilies
chilindre
chiliomb
chilipepper
chilitis
chill
chilla
chillagite
chilled
chiller
chillers
chillest
chilli
chillier
chillies
chiliest
chillily
chilliness
chilling
chillingly
chillis
chillish
chillness
chillo
chilloes
chillroom
chills
chillsome
chillum
chillumchee
chillums
chilly
chilodon
chilognath
chilognathan
chilognathous
chilogrammo
chiloma
chilomata
chiloncus
chiloplasty
chilopod
chilopodan
chilopodous
chilopods
chilostomatous
chilostome
chilotomies
chilotomy
childe
chiltern
chilver
chimachima
chimaera
chimaeras
chimaerid
chimaeroid
chimango
chimar
chimars
chimb
chimbe
chimble
chimbley
chimbleys
chimblies
chimbly
chimbs
chime
chime's
chimed
chimer
chimera
chimeral
chimeras
chimere
chimeres
chimeric
chimerical
chimerically
chimericalness
chimerism
chimers
chimes
chimesmaster
chimin
chimination
chiming
chimla
chimals
chimley
chiner
chinerinchee
chinerinchees
chinches
chincher
chincheriest
chinchilla
chinchillas
chinchillette
chinchiness
chinching
chinchona
chinchy
chincloth
chincof
chincona
chincough
chindee
chindi
chine
chined
chinela
chinenses
chines
chinese
chinfest
ching
chingma
chinik
chinks
chinin
chining
chiniofon
chink
chinkapin
chinkara
chinked
chinker
chinkerinchee
chinkers
chinkier
chinkiest
chinking
chinkle
chinks
chinky
chinless
chinnam
chinned
chinner
chinner
chinnier
chinniest
chinning
chinnier
chino
china
chinoa
chinoidea
chinoidea
chinoise
chinoiserie
chinol
chinoleine
chinoline
chinologist
chinone
chinones
chinook
chinookan
chinooks
chinos
chinotoxine
chinotti
chinotto
chinovnik
chinpiece
chinquapin
chins
chinse
chinside
chinsing
chint
chints
chintses
chintz
chintze
chintzes
chintzier
chintziest
chintziness
chintzy
chinwag
chinwood
chiococcine
chiolite
chiromantical
chiromegaly
chirometer
chiromonic
chiromomid
chiromony
chironym
chiropatagium
chiroplasty
chiropod
chiropodial
chiropodic
chiropodical
chiropodist
chiropodistry
chiropodists
chiropodous
chiropody
chiropompholyx
chiropractic
chiropractor
chiropractors
chiropraxis
chiroprer
chiropreteran
chiroprerite
chiroprerophilous
chiroprerous
chiroprerygian
chiroprerygious
chiroprerygium
chiros
chirosophist
chirospsm
chirotherian
chirothesia
chirotonsr
chirotonsory
chirotony
chirotype
chirp
chirped
chirper
chirpers
chirpier
chirpiest
chirpily
chirpiness
chitarrone
chitarroni
chitchat
chitchats
chitchatted
chitchatting
chitchatty
chithe
chitin
chitinization
chitinized
chitinocalcareous
chitinogenous
chitinoid
chitinous
chitins
chitlin
chitling
chitlings
chitlins
chiton
chitons
chitosamine
chitosan
chitosans
chitose
chitra
chits
chitack
chittak
chittamwood
chitted
chitter
chittered
chittering
chitterling
chitterlings
chitters
chitties
chitting
chitty
chiule
chiurm
chiv
chivachee
chivage
chivalresque
chivalric
chivalries
chivalrous
chivalrously
chivalrousness
chivalry
chivaree
chivareed
chivareeing
chivarees
chivareing
chivari
chivared
chivariing
chivaring
chivaris
chivarra
chivarras
chivarro
chive
chiver
chiveret
chives
chivey
chiviatite
chivied
chivies
chivvied
chivvies
chivvy
chivvying
chivw
chivy
chivying
chizz
chizzel
chkalik
chkfil
chkfile
chladnite
chlamyd
chlamydate
chlamydeous
chlamydes
chlamydobacteriaceous
chlamydomonas
chlamydoghore
chlamydospore
chlamydosporic
chlamydozoan
chlamyphore
chlamys
chlamyses
chloanthite
chloasma
chloasmata
chloe
chlor
chloracetate
chloracne
chloraemia
chloragen
chloragogen
chloragogue
chloral
chloralfornamide
chloralide
chloralism
chloralization
chloralize
chloralized
chloralizing
chloralose
chloralosed
chlorals
chloralum
chlorambucil
chloramide
chloramin
chloramine
chloramphenicol
chloranaemia
chloranaemia
chloranemic
chloranemic
chloranhydrade
chloranil
chloranthaceous
chloranthus
chloranthy
chlorapatite
chlorargyrite
chlorastrolite
chlorate
chlorates
chlorazide
chlorcosane
chloridan
chlordane
chlordans
chlordiazepoxide
chlore
chlored
chlorella
chlorellaceous
chloremia
chloremic
chlorenchyma
chlorguanide
chlorhexidine
chlorhydrate
chlorhydric
chloriamb
chloriambus
chloric
chlorid
chloridate
chloridated
chloridation
chloride
chlorider
chlorides
chloridic
chloridize
chloridized
chloridizing
chlorids
chlorimeter
chlorimetric
chlorimetry
chlorin
chlorinate
chlorinated
chlorinates
chlorinating
chlorination
chlorinator
chlorinators
chlorine
chlorines
chlorinity
chlorinize
chlorinous
chlorins
chloriodide
chlorite
chlorites
chloritic
chloritization
chloritize
chloritoid
chlorize
chloromethane
chloromethylic
chloronal
chloro
chloroacetate
chloroacetic
chloroacetone
chloroacetophenone
chloroamide
chloroamine
chloroaemia
chloroanemia
chloroaurate
chloroausic
chloroaurite
chlorobenzene
chlorobromide
chlorobromomethane
chlorocalcite
chlorocarbon
chlorocarbonate
chlorochromates
chlorochromic
chlorochrous
chlorocresol
chlorocrutorin
chlorodize
chlorodized
chlorodizing
chlorodyne
chloroethene
chloroethylene
chlorofluorocarbon
chlorofluoromethane
chloroform
chloroformate
chloroformed
chloroformic
chloroforming
chloroformism
chloroformist
chloroformization
chloroformize
chloroforms
chlorogenic
chlorogenine
chloroguanide
chlorohydrin
chlorohydrocarbon
chlorohydroquinone
chloroid
chloroiodide
chloroleucite
chloroma
chloromata
chloromelanite
chlorometer
chloromethane
chlorometric
chlorometry
chloromycetin
chloronaphthalene
chloronitrate
chloropal
chloropalladates
chloropalladic
chlorophaeite
chlorophane
chlorophenol
chlorophenothane
chlorophenicite
chlorophyceous
chlorophyl
chlorophyll
chlorophyllaceous
chlorophyllan
chlorophyllase
chlorophyllian
chlorophyllide
chlorophylliferous
chlorophylligenous
chlorophylligerous
chlorophyllin
chlorophyllite
chlorophylloid
chlorophyllose
chlorophyllous
chloropia
chloropicrin
chloroplast
chloroplast's
chloroplastic
chloroplastid
chloroplasts
chloroplattinate
chloroplattinic
chloroplattinite
chloroplattinous
chloroprene
chloropsia
chloroquine
chlorosilicate
chlorosis
chlorospinel
chlorosulphonic
chlorothiazide
chlorotic
chlorotically
chlorotrifluoroethylene
chlorotrifluoromethane
chlorous
chlorozincate
chlorpheniramine
chlorphenol
chlorpicrin
chlorpikrin
chlorpromazine
chlorpropamide
chlorprophenpyridamine
clorsalol
chlorotetracycline
chloryl
chm
chmn
chn
cho
choachyte
choak
choana
choanate
choanite
choanocytal
choanocyte
choanoflagellate
choanoid
choanophorous
choanosomal
choanosome
chola
cholaemia
cholagotic
cholagogue
cholalic
cholam
cholane
cholangiographic
cholangiography
cholangiitis
cholangitis
cholanic
cholanthrene
cholate
cholates
chold
cholate
cholcalciferol
cholecyanin
cholecyanine
cholecyst
cholecystalgia
cholecystectasia
cholecystectomies
cholecystectomized
cholecystectomy
cholecystenterorrhaphy
cholecystenterostomy
cholecystgastrostomy
cholecystic
cholecystis
cholecystitis
cholecystnephrostomy
cholecystocolostomy
cholecystocolotomy
cholecystoduodenostomy
cholecystogastrostomy
cholecystogram
cholecystography
cholecystoileostomy
cholecystojejunosotomy
cholecystokinin
cholecystolithiasis
cholecystolithotripsy
cholecystonephrostomy
cholecystopexy
cholecystorrhaphy
cholecystostomies
cholecystostomy
cholecystotomies
cholecystotomy
choledoch
choledochal
choledochectomy
choledochitis
choledochoduodenostomy
choledochoenterostomy
choledocholithiasis
choledocholithotomy
choledocholithotripsy
choledochoplasty
choledochorrhaphy
choledochostomies
choledochostomy
choledochotomies
choledochotomy
choledography
cholee
cholematin
choleic
choleine
choleinic
cholelith
cholelithiasis
cholelithic
cholelithotomy
cholelithotripsy
cholelithotrity
cholemia
cholent
cholents
choleokinase
cholepoietic
choler
cholera
choleraic
choleras
choleric
cholerically
cholericly
cholericness
choleriform
cholerigenous
cholerine
choleroid
choleromania
cholerophobia
cholerrhagia
cholers
colestane
colestanol
cholesteatoma
cholesteatomatous
colestene
colesterolate
colesterolemia
colesteric
colesterin
colesterinemia
colesterinic
colesterinuria
colesterol
colesterolemia
colesteroluria
colesterolosis
colesteryl
coleletin
coletherapy
coleuria
choli
coliamb
coliambic
coliambist
cholic
cholick
choline
cholinergic
cholines
cholinesterase
clinic
cholinolytic
cholla
chollas
choller
chollers
cholo
cholochrome
cholocyanine
chologenetic
choloid
choloidic
choloidinic
chololith
chololithic
cholophaein
cholophein
cholorrhea
cholos
choloscopy
cholralosed
cholterheaded
choltry
cholum
choluria
chomage
chomer
chomp
chomped
chomper
chompers
chomping
chomps
chon
chonchina
chondral
chondralgia
chondrarsenite
chondre
chondrectomy
chondrenchyma
chondri
chondria
chondric
chondrification
chondrified
chondrify
chondrigen
chondrogenous
chondrin
chondrinous
chondriocont
chondrioma
chondriome
chondriomere
chondriomite
chondriosomal
chondriosome
chondriosomes
chondriosphere
chondrite
chondrites
chondritic
chondritis
chondroadenoma
chondroalbuminoid
chondroangioma
chondroarthritis
chondroblast
chondroblastoma
chondrocarcinoma
chondrocele
chondroclasis
chondroclast
chondrocoracoid
chondrocostal
chondrocranial
chondrocranium
chondrocyte
chondrodite
chondroditic
chondrodynia
chondrodystrophia
chondrodystrophy
chondroendothelioma
chondroepiphysis
chondrofetal
chondrofibroma
chondrofibromatous
chondrogen
chondrogenesis
chondrogenetic
chondrogenous
chondrogeny
chondroglossal
chondroglossus
chondrography
chondroid
chondroitic
chondroitin
chondrolipoma
chondrology
chondroma
chondromalacia
chondromas
chondromata
chondromatous
chondromucoid
chondromyxoma
chondromyxosarcoma
chondropharyngeal
chondropharyngeus
chondrophore
chondrophyte
chondroplast
chondroplastic
chondroplasty
chondroprotein
chondropterygian
chondropterygious
chondrosamine
chondrosarcoma
chondrosarcomas
chondrosarcomata
chondrosarcomatous
chondroseptum
chondrosin
chondrosis
chondroskeleton
chondrostean
chondrosteoma
chondrosteous
chondrosternal
chondrotome
chondrotomy
chondroxiphoid
chondrule
chondrules
chondrus
chonicrite
chonk
chonolith
chonta
chontawood
choochoo
chook
chookie
chookies
chooky
choom
choop
choora
choosable
choosableness
choose
chooseable
chooser
choosers
chorales
choralist
chorally
chorals
chord
chord's
chorda
chordacentrous
chordacentrum
chordaceous
chordal
chordally
chordamesoderm
chordamesodermal
chordamesodermal
chordata
chordate
chordates
chorded
chordee
chording
chorditis
chordoid
chordomesoderm
chordophone
chordotomy
chordotonal
chords
chore
chorea
choreal
choreas
choreatic
chored
choree
choregi
choreic
choreographer
choreographic
choreographically
choreography
choregus
choreguses
choregy
chorei
choreic
choreiform
choreman
choremen
choreodrama
choreograph
choreographed
choreographer
choreographers
choreographic
choreographical
choreographically
choreographing
choreographs
choreography
choreoid
choreomania
choreepiscopal
chorepscope
chorepscopus
chores
choreus
choreutic
chorgi
chorial
choriamb
choriambi
choriambic
choriambize
choriambbs
choriambus
choriambuses
choribi
choric
chorically
chorine
chorines
choring
chorio
chorioadenoma
chorioallantoic
chorioallantoid
chorioallantois
choriocapillaris
choriocapillary
choriocarcinoma
choriocarcinomas
choriocarcinomata
choriocele
chorioepithelioma
chorioepitheliomas
chorioepitheliomata
chorioid
chorioidal
chorioiditis
chorioidocyclitis
chorioidoiritis
chorioidoretinitis
chorioids
chorioma
choriomas
choriomata
chorion
chorionepithelioma
chorionic
chorions
chori optic
chorioretinal
chorioretinitis
choripetalous
choriphyllous
chorisepalous
chorisis
chorism
choriso
chorisos
chorist
choristate
chorister
choristers
choristership
choristic
choristoblastoma
choristoma
choristoneura
choristry
chorization
chorizo
chorizont
chorizontal
chorizontes
chorizontic
chorizontist
chorizos
chorobates
chorogi
chorograph
chorographer
chorographic
chorographical
chorographically
chorographies
chorography
choroid
choroidal
choroidea
choroiditis
choroidocyclitis
choroidoiritis
choroidoretinitis
choroids
chorological
chorologist
chorology
choromania
choromanic
chorometry
chorook
chorous
chort
chorten
chortle
chortled
chortler
chortlers
chortles
chortling
chortosterol
chorus
chorused
choruser
choruses
chorusing
choruslike
chorusmaster
chorussed
chorusses
chorussing
choyos
chose
chosen
chooses
chosing
chott
chotts
chou
chouan
choy
choya
choyaroot
choyroot
chrematheism
chrematist
chrematistic
chrematistics
chremsel
chremzel
chremzlach
chreotechnics
chresard
chresards
chresmology
chrestomathic
chrestomatics
chrestomathies
chrestomathy
chia
chrimsel
chrism
chrisma
chrismal
chrismale
chrismary
chrismatine
chrismation
chrismatite
chrismatize
chrismatories
chismatory
chrismon
chrismons
chrisms
chrisom
chrisomloosing
chrisoms
chrisroot
christ
christcross
christdom
christed
christen
christendom
christened
christener
christeners
christenhead
christening
christens
christhood
christian
christian's
christiania
christianism
christianite
christianity
christianization
christianize
christianized
christianizes
christianizing
christians
christie
christies
christine
christless
christlike
christly
christmas
christmases
christmastide
christological
christology
christophany
christopher
chists
christward
christy
chroatol
chroma
chromaffin
chromaffinic
chromamamin
chromammine
chromaphil
chromaphore
chromas
chromascope
chromate
chromates
chromatic
chromatical
chromatically
chromatician
chromaticism
cromaticity
chromaticness
chromatics
chromatid
chromatin
chromatinic
chromatism
chromatist
chromatize
chromatocyte
chromatodysopia
chromatogenous
chromatogram
chromatograph
chromatographic
chromatographically
chromatography
chromatoid
chromatologies
chromatology
chromatolysis
chromatolytic
chromatometer
chromatone
chromatopathia
chromatopathic
chromatopathy
chromatophil
chromatophile
chromatophilia
chromatophilic
chromatophilous
chromatophobia
chromatophore
chromatophoric
chromatophorous
chromatoplasm
chromatopsia
chromatoptometer
chromatoptometry
chromatoscope
chromatoscopy
chromatosis
chromatosphere
chromatospheric
chromatrope
chromaturia
chromatype
cromazurine
cromadiagnosis
crome
cromed
cromene
cromeplate
cromeplated
cromeplating
cromes
cromesthesia
crometophobia
cromhidrosis
cromic
cromicize
cromicizing
cromid
cromide
cromides
cromidial
cromidiogamy
cromidiosome
cromidium
cromidrosis
cromiferous
crominance
croming
cromiole
cromism
cromite
cromites
cromitite
cromium
cromiums
cromize
cromized
cromizes
cromizing
cromo
cromoblast
cromocenter
cromocentral
cromochalcoholic
cromochalcoholic
cromochalcography
cromocollograph
cromocollographic
cromocollography
cromocollogotype
chromocollotypy
chromocratic
chromoctye
chromocyte
chromocytometer
chromodermatosis
chromodiascope
chromogen
chromogene
chromogenesis
chromogenetic
chromogenic
chromogenous
chromogram
chromograph
chromoisomer
chromoisomeric
chromoisomerism
chromoleucite
chromolipoid
chromolith
chromolithic
chromolithograph
chromolithographer
chromolithographic
chromolithography
chromolysis
chromomere
chromomeric
chromometer
chromone
chromonema
chromonemal
chromonemata
chromonematal
chromonematic
chromonemic
chromoparous
chromophaghe
chromophage
chromophane
chromophil
chromophile
chromophilia
chromophilic
chromophilous
chromophobe
chromophobia
chromophobic
chromophor
chromophore
chromophobic
chromophorous
chromophotograph
chromophotographic
chromophotography
chromophotolithograph
chromophyl
chromophyll
chromoplasm
chromoplasmic
chromoplast
chromoplastid
chromoprotein
chromopsia
chromoptometer
chromoptometrical
chromos
chromosantonin
chromoscope
chromoscopic
chromoscopy
chromosomal
chromosomally
chromosome
chromosomes
chromosomic
chromosphere
chromospheres
chromospheric
chromotherapist
chromotherapy
chromotrope
chromotropic
chromotropism
chromotropy
chromotype
chromotypic
chromotypographic
chromotypography
chromotypy
chromous
chromoxylograph
chromoxylography
chromule
chromy
chromyl
chron
chronal
chronanagram
chronaxia
chronaxie
chronaxies
chronaxy
chronometer
chronic
chronica
chronical
chronically
chronicity
chronicle
chronicled
chronicler
chroniclers
chronicles
chronicling
chronicon
chronics
chronique
chronisotherm
chronist
chronobarometer
chronobiology
chronocarator
chronocinematography
chronocrat
chronocyclegraph
chronodeik
chronogeneous
chronogenesis
chronogenetic
chronogram
chronogrammatic
chronogrammatical
chronogrammatically
chronogrammatist
chronogrammic
chronograph
chronographer
chronographic
chronographical
chronographically
chronographs
chronography
chronoiso thermal
chrysalidian
chrysaline
chrysalis
chrysalises
chrysaloid
chrysamine
chrysamnic
chrysamminic
chrysanilin
chrysaniline
chrysanisic
chrysanthenin
chrysanthemum
chrysanthemums
chrysanthous
chrysarobin
chrysatropic
chryszin
chryszol
chryseis
chryselectrum
chryselephantine
chrysene
chrysenic
chrysid
chrysidid
chrysin
chrysler
chrysler
chrysoaristocracy
chrysoberyl
chrysobull
chrysocale
chrysocarpous
chrysochlore
chrysochlorous
chrysochrous
chrysocolla
chrysocracy
chrysoeriol
chrysgen
chrysograph
chrysographer
chrysography
chrysohermidin
chrysolid
chrysolite
chrysolitic
chuck
chuck's
chuckawalla
chucked
chucker
chuckfarthing
chuckfull
chuckhole
chuckholes
chuckie
chuckies
chucking
chuckingly
chuckle
chuckled
chucklehead
chuckleheaded
chuckleheadedness
chuckler
chucklers
chuckles
chucklesome
chuckling
chucklingly
chuckram
chuckrum
chucks
chuckstone
chuckwalla
chucky
chuddah
chuddahs
chuddar
chuddars
chudder
chudders
chuet
chufa
chufas
chuff
chuffed
chuffer
chuffest
chuffier
chuffiest
chuffily
chuffiness
chuffing
chuffs
chuffy
chug
chugalug
chugalugged
chugalugging
chugalugs
chugged
chugger
chuggers
chugging
chughole
chugs
chuhra
chukar
chukars
chukka
chukkar
chukkars
chukkas
chukker
chukkers
chukor
chulan
chulha
chullo
chulpa
chulpa
chultun
chum
chumar
chumble
chummage
chummed
chummer
chummery
chummier
chummies
chummiest
chummily
chumminess
chumming
chummy
chump
chumpa
chumpaka
chumped
chumpiness
chutes
chtaking
chutist
chutists
chutnee
chutnees
chutney
chutneys
chuttie
chutzpa
chutzpadik
chutzpah
chutzpahs
chutzpanik
chutzpas
chuunnapm
chuuvashes
chuzwi
chwas
chyack
chak
chazyic
chylaceous
chylangioma
chylaqueous
chyle
chylemia
chyles
chylidrosis
chylifaction
chylifactive
chylifactory
chyliferous
chylific
chylification
chylificatory
chylified
chyliform
chylify
chylifying
chyllocalous
chyllocaulously
chylocauly
chylecele
chyllocyst
chylold
chylomicron
chylopericardium
chylophyllous
chylophyllously
chylophyllly
chylopoetic
chylopoiesis
chylopoietic
chylosis
chylothorax
chylous
chyluria
chymaqueous
chymase
chyme
chymes
chymia
chymic
chymics
chymiferous
chymification
chymified
chymify
chymifying
chymist
chymistry
chymists
chymosin
chymosinogen
chymosins
chymotrypsin
chymotrypsinogen
chymous
chymometer
chypre
chytra
chytrid
chytridaceous
chytridial
chytridiose
chytridiosis
cia
ciao
cibaria
cibarial
cibarian
cibaries
cibarious
cibarium
cibation
cibbaria
cibboria
cibol
cibolero
cibols
cibophobia
cibophobiafood
ciboria
ciborium
cibory
ciboule
ciboules
cicad
cicada
cicadae
cicadas
cicadid
cicala
cicalas
cicale
cicatrice
cicatrices
cicatricial
cicatrice
cicatricose
cicatricula
cicatriculae
cicatricule
cicatrisant
cicatrisate
cicatrisation
cicatrise
cicatrised
cicatriser
cicatrising
cicatrisive
cicatrix
cicatrixes
cicatrixant
cicatrixate
cicatrixation
cicatriz
cicatrizant
cicatrizant

cicatrizate
cicatrizierung
cicatrizierung
cicatrix
cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatrise

cicatris
cicer
cicero
ciceronage
cicerone
cicerones
ciceroni
ciceronian
ciceronianism
ciceronianisms
ciceronianist
ciceronianists
ciceronians
ciceroning
ciceronism
ciceronize
ciceros
cichar
cichlid
cichlidae
cichlids
cichloid
cichloraceous
cichoriaceous
cicindelid
cicindelidae
ccisbei
ccisbeism
ccisbeo
ciclatoun
cicone
ciconian
ciconiform
ciconid
ciconiiform
cicone
ciconoid
cicoree
cicorees
cicrumspections
cicurate
cicuta
cicutoxin
cid
cidarid
cidaris
cider
ciderish
ciderist
ciliferous
ciiform
ciliiferous
ciliiform
ciliium
cilioflagellate
ciliograde
ciliola
ciliolate
ciliolum
cilioretinal
ciliосleral
ciliospinal
ciliotony
cilium
cill
cillosis
cima
cimaise
cimaroon
cimbal
cimbalom
cimbaloms
cimbia
cimborio
cicumvention
cimelia
cimeliarch
cimelium
cimeter
cimex
cimices
cimicid
cimicide
cimiciform
cimicifugin
cimicoid
cini
ciminite
cimline
cimmaron
cimmerian
cinmel
cimolite
cinch
cincha
cinched
cincher
cinches
cinching
cincholoipon
cincholoiponic
cinchomeronic
cinchona
cinchonaceous
cinchonamin
cinchonamine
cinchonas
cinchonate
cinchonia
cinchoric
cinchonicin
cinchonicine
cinchonidia
cinchonidine
cinchonin
cinchonine
cinchoninic
cinchonisation
cinchonise
cinchonised
cinchonising
cinchonism
cinchonization
cinchonize
cinchonized
cinchonizing
cinchonology
cinchophen
cinchotine
cinchotoxine
cinmattti
cincinnal
cincinnati
cinanni
cincinnus
cinclides
cinclis
cinct
cincture
cinctured
cinctures
cincturing
cinder
cinder's
cindered
cinenchyma
cinenchymatous
cinene
cinenegative
cineol
cineole
cineoles
cineolic
cineols
cinephone
cinephotomicrography
cineplastics
cineplasty
cineraceous
cineradiography
cinerama
cinerararia
cineraria
cinerarias
cinerarius
cinerary
cineration
cinerator
cinerea
cinereal
cinereous
cinerin
cinerins
cineritious
cinerous
cines
cinevariety
cingalese
cingle
cingula
cingular
cingulate
cingulated
cingulectomies
cingulectomy
cingulum
ciniphes
cinnabar
cinnabaric
cinnabarine
cinnabars
cinnamal
cinnamaldehyde
cinnamate
cinnamolin
nacinnamene
cinnamaneryl
cinnamic
cinnamol
cinnamonic
cinnamon
cinnamonened
cinnamonic
cinnamonlike
cinnamonroot
cinnamos
cinnamonwood
cinnamoyl
cinnamyl
cinnamyldene
cinnamylys
cinnolin
cinnoline
ciynyl
cinofoil
cinquain
cinquains
cinquanter
cinque
cinquacentism
cinquacentist
cinquacente
cinqudea
cinquefoil
cinquefoiled
cinquefoils
cinquepace
cinques
cinter
cintre
cinuran
cinurous
cion
cionectomy
cionitis
cionocranial
cionocranian
cionoptosis
cionorrhaphia
cionotome
cionotomy
circulate
circulated
circulates
circulating
circulation
circulations
circulative
circulator
circulatories
circulators
circulatory
circule
circulet
circuli
circulin
circulus
circum
circumaction
circumadjacent
circumagitate
circumagitation
circumambages
circumambagious
circumambience
circumambiencies
circumambiency
circumambient
circumambiently
circumambulate
circumambulated
circumambulates
circumambulating
circumambulation
circumambulations
circumambulator
circumambulatory
circumanal
circumbantarctic
circumarctic
circumarticular
circumaviate
circumaviation
circumaviator
circumaxial
circumaxile
circumaxillary
circumbasal
circumbendibus
circumbendibuses
circumboreal
circumbuccal
circumbulbar
circumcallosal
circumcellion
circumcenter
circumcentral
circumcinet
circumcincture
circumcircle
circumcise
circumcised
circumciser
circumcises
circumcising
circumcision
circumcisions
circumcision

circumclude

circumclusion

circumcolumnar
circumcone
circumconic
circumcorneal
circumcrenate

circumdate

circumdenuation

circumdiction

circumduce

circumducing

circumduct

circumducted

circumduction

circumesophageal
circumesophageal

circumfer

circumfererence

circumferences

circumferent

circumferential

circumferentially

circumferentor

circumflant

circumflect

circumflex

circumflexes
circumflexion
circumfluence
circumfluent
circumfluous
circumforaneous
circumfulgent
circumfuse
circumfused
circumfusile
circumfusing
circumfusion
circumgenital
circumgestation
circumgyrate
circumgyration
circumgyratory
circumhorizontal
circumincession
circuminsession
circuminular
circumintestinal
circumitineration
circumjacence
circumjacencies
circumjacency
circumjacent
circumjovial
circumlental
circumlitio
circumlittoral
circumlocute
circumlocution
circumlocation's
circumlocutional
circumlocutionary
circumlocutionist
circumlocutions
circumlocutory
circumlunar
circummeridian
circummeridional
circummigrate
circummigration
circummundane
circummure
circummured
circummuring
circumnatant
circumnavigable
circumnavigate
circumnavigated
circumnavigates
circumnavigating
circumnavigation
circumnavigations
circumnavigator
circumnavigator

circumneutral
circumnuclear
circumnutate
circumnutated
circumnutating

circumnutation
circumnutation
circumnutatory
circumocular
circumoesophageal
circumoral
circumorbital
circumPacific
circumpallial
circumparallelogram
circumpentagon
circumplanetary
circumplect
circumulative
circumulative
circumpolar
circumpolygon
circumpose

circumposition
circumquaque
circumradii
circumradius

circumradii

circumrenal
circumrotate
circumrotated
circumrotating

circumrotation
circumrotatory
circumsail

circumsaturnian

circumsciss
circumscissile
circumscribable
circumscribe
circumtropical
circumumbilical
circumundulate
circumundulation
circumvallate
circumvallated
circumvallating
circumvallation
circumvascular
circumvent
circumventable
circumvented
circumventer
circumventing
circumvention
circumventions
circumventive
circumventor
circumvents
circumvest
circumviate
circumvoisin
circumvolant
circumvolute
circumvolution
circumvolutory
circumvolve
circumvolved
circumvolving
circumzenithal
circus
circus's
circuses
circusy
circuit
circuted
circuting
circuits
cire
cires
cirl
circumferential
cirque
cirques
cirrate
cirrated
cirrhopod
cirrhose
cise
ciseaux
cisele
ciseleur
ciseleurs
ciselure
ciselures
cisgangetic
cising
cistum
cisjurane
cisleithan
cislunar
cismarine
cismontane
cisoceanic
cispadane
cisplatine
cispontine
cisrhene
cissies
cissing
cissoid
cissoidal
cissoids
cissy
cist
cista
cistaceous
cistae
cisted
cistercian
cistern
cistern's
cisterna
cisternae
cisternal
cisterns
cistic
cistophori
cistophoric
cistophorus
cistori
cistron
cistronic
cistrons
cists
cistus
citrinous
citri

citrocola
citrometer
citon
citronade
citronalis
citronella
citronellal
citronelle
citronellic
citronellol
citronin
citronize
citrons
citonwood
citropten
citrous
citru

citrullin
citrulline
citrus
citruses
city

city'
scitybuster
citycism
citydom
cityified
cityfolk
cityful
cityish
cityless
citylike
cityness
citynesses
cityscape
cityscapes
cityward

citywards
citywide

ciudad
civ
cive
civet
civetlike
civetone
civets
civic
civical
civically
civicism
civicisms
civics
civie
civies
civil
civile
civiler
civilest
civilian
civilian's
civilianization
civilianize
civilians
civilisable
civilisation
civilisational
civilisations
civilisatory
civilise
civilised
civilisedness
civiliser
civilises
civilising
civilist
civilite
civilities
civility
civilizable
civilizade
civilization
civilization's
civilizational
civilizationally
civilizations
civilizatory
civilize
civilized
civilizedness
clamworms
clan
clancular
clancularly
clandestine
clandestinely
clandestineness
clandestinity
clanfellow
clang
clanged
clarger
clanged
clangful
clanging
clangingly
clangor
clangored
clangoring
clangorous
clangorously
clangorousness
clangors
clangour
clangoured
clangouring
clangours
clangs
clanjamfray
clanjamfrey
clanjamfrie
clanjamphrey
clank
clanked
clankety
clanging
clangingly
clangkingness
clankless
clanks
clankum
clanless
clanned
clanning
clannish
clanishly
clannisness
clans
clansfolk
clanship
clansman
clansmanship
clansmen
clanswoman
clanswomen
clap
clapboard
clapboarding
clapboards
clapbread
clapcake
clapdish
clap
clap Holt
clapmatch
clapnest
clapnet
clapotis
clappe
clapped
clapper
clapperboard
clapperclaw
clapperclawer
clapperdudgeon
clappered
clappering
clappermaclaw
clappers
clapping
claps
clapstick
clap
clap trap
clap traps
clapwort
claque
claquer
claquers
claques
claqueur
claqueurs
clar
clarabella
clarain
clare
clarence
clairences
clarenceux
clarendon
clares
claret
claretian
clarets
claribel
claribella
clarichord
claries
clarifiable
clarifiant
clarificant
clarification
clarifications
clarified
clarifier
clarifiers
clarifies
clarify
clarifying
clarigate
clarigation
clarigold
clarin
clarina
clarine
clarinet
clarinetist
clarinetists
clarinets
clarinetist
clarinetists
clarinettist
clarinetists
clarinettist
clarinettists
clarini
clarino
clarinos
clarion
clarioned
clarionet
clarioning
clarions
clarissimo
clarities
claritude
clarity
clark
clarke
classical
classicalism
classicalist
classicalities
classicality
classicalize
classically
classicalness
classicise
classicised
classicising
classicism
classicist
classicistic
classicists
classicize
classicized
classicizing
classico
classicolatry
classics
classier
classiest
classifiable
classific
classifically
classification
classificational
classifications
classificator
classificatory
classified
classifier
classifiers
classifies
classify
classifying
classily
classiness
classing
classis
classism
classisms
classist
classists
classless
classlessness
classman
classmanship
classmate
classmate's
classmates
classmen
classroom
classroom's
classrooms
classwise
classwork
classy
clast
clastic
clastics
clasts
clat
catch
catchy
clahtraceous
clahtrarian
clahtrate
clahroid
clahrose
clahrulate
clatter
clattered
clatterer
clattering
clatteringly
clatters
clattertrap
clattertraps
clattery
clatty
clauber
claucht
claudent
claudetite
claudetites
claudicant
claudicate
claudication
claudius
claught
claughted
claughting
claughts
claus
clausal
clause
clause’s
clauses
clauster
clausthalite
claustra
claustral
claustration
claustrophilia
claustrophobe
claustrophobia
claustrophobic
claustrophobiac
claustrophobia
claustrophobic
clastrum
clausula
clausulae
clausular
clausule
clausum
clausure
claut
clava
clavacin
clavae
clavai
clavariaceous
clavate
clavated
clavately
clavatin
clavation
clave
clavecin
clavecinist
clavel
clavelization
clavelize
clavellate
clavellated
claver
clavered
claving
clavers
claves
clavi
clavial
claviature
clavicembali
clavicembalist
clavicembalo
clavichord
clavichordist
clavichordists
clavichords
clavicithern
clavicittern
clavicle
clavicles
clavicor
clavicorn
clavicornate
clavicotomy
clavicular
clavicularum
claviculate
claviculus
clavicylinder
clavicymbal
clavicytheria
clavicytherium
clavicytheria
clavier
clavierist
clavieristic
clavierists
claviers
claviform
claviger
clavigerous
claviharp
clavilux
claviol
claviole
clavipectoral
clavis
clavises
clavodeltoid
clavodeltoideus
clavola
clavolae
clavolet
clavus
clavuvi
clavy
claw
clawback
clawed
clawer
clawers
clawhammer
clawing
clawk
clawker
clawless
clawlike
claws
clawshick
clawon
clawons
clay
clay's
claybank
claybanks
claybrained
claye
clayed
clayen
clayer
clayey
clayier
clayiest
clayiness
claying
clayish
claylike
clayman
claymore
claymores
claypan
claypans
clays
claystone
claytonia
clayware
claywares
clayweed
cleich
cleach
clead
cleaded
cleading
cleam
cleamer
clean
cleanable
cleaned
cleaner
cleaner's
cleaners
cleanest
cleanhanded
cleanhandedness
cleanhearted
cleaning
cleanings
cleanish
cleanlier
cleanliest
cleanily
cleanliness
cleanly
cleanness
cleanout
cleans
cleansable
cleanse
cleansed
cleanser
cleansers
cleanses
cleansing
cleanskin
cleanskins
cleanup
cleanups
clear
clearable
clearage
clearance
clearance's
clearances
clearcole
cleared
clearedness
clearer
clearers
clearest
clearheaded
clearheadedly
clearheadedness
clearhearted
clearing
clemency
clement
clementine
clemently
clementness
clements
clemmed
clemming
clench
clenched
clencher
clenchers
clenches
clenching
cleoid
cleome
cleomes
cleopatra
clep
clepe
cleped
clepes
cleping
clepsydra
clepsydrae
clepsydras
clept
cleptobioses
cleptobiosis
cleptobiotic
cleptomania
cleptomaniac
clerestoried
clerestories
clerestory
clerete
cleress
clergies
clergion
clergy
clergyable
clergylke
clergyman
clergymen
clergywoman
clergywomen
cleric
clerical
clericalism
clericalist
clericalists
clericality
clericalize
clerically
clericals
clericate
clericature
clericism
clericity
clerics
clericum
clerid
clerids
clerihew
clerihews
clerisies
clerisy
clerk
clerkage
clerkdom
clerkdoms
clerked
clerkery
clerkess
clerkhood
clerking
clerkish
clerkless
clerklie
clerkliest
clerklike
clerkliness
clerkly
clers
clerkship
clerkships
clermly
cleromancy
cleronomy
clerstory
cleruch
cleruchial
cleruchic
cleruchies
cleruchy
clerum
cletch
clethra
clethraceous
clethrionomys
cleuch
cleuk
cleuks
cleve
cleveite
cleveites
cleveland
clever
cleverality
cleverer
cleverest
cleverish
cleverishly
cleverly
cleverness
clevis
clevises
clew
clewed
clew garnet
clewing
clews
cli
cliack
clianthus
clich
cliche
cliche's
cliched
cliches
click
clicked
clicker
clickers
clicket
clicking
clickless
clicks
clicky
cliency
client
client's
clientage
cliental
clinkers
clinkery
clinking
clinks
clinkstone
clinkum
clinoaxis
clinoecephalic
clinoecephalism
clinoecephalous
clinoecephalus
clinoecephaly
clinochlore
clinoclase
clinoclasite
clinodiagonal
clinodomatic
clinodome
clinograph
clinographic
clinohedral
clinohedrite
clinohumite
clinoid
clinologic
clinology
clinometer
clinometria
clinometric
clinometrical
clinometry
clinophobia
clinopinacoid
clinopinacoidal
clinoprism
clinopyramid
clinopyroxene
clinorhombic
clinospare
clinostat
clinquant
clint
clinting
clinonia
clinonite
clints
clinty
clio
clip
clip's
clipboard
clipboard
clipei
clipeus
clippable
clipped
clipper
clipper's
clipperman
clippers
clippie
clipping
clipping's
clippingly
clippings
clips
clipse
clipsheet
clipsheets
clipsome
clipt
clique
clique's
cliqued
cliquedom
cliqueier
cliqueiest
cliqueless
cliquees
cliquey
cliqueyness
cliquier
cliquiest
cliquing
cliquish
cliquishly
cliquishness
cliquism
cliquy
cliseometer
clisere
clishmaclaver
clistocarp
clistocarpous
clistothcia
clistothecia
clote
cloth
clothbound
clothe
clothed
clothes
clothesbag
clothesbasket
clothesbrush
clotheshorse
clotheshores
clothesless
clothesline
clotheslines
clothesman
clothesmen
clothesmonger
clothespin
clothespins
clothespress
clothespresses
clothesyard
clother
clothers
clothify
clothing
clothings
clothlike
clothmaker
clothmaking
clotho
cloths
clothworker
cłoży
clots
cottage
cotted
cottedness
clotter
clotting
clotty
cloture
clotured
clotures
cloturing
clotweed
clou
cloud
cloudage
cloudberries
cloudberry
cloudburst
cloudbursts
cloudcap
clouded
cloudful
cloudier
cloudiest
cloudily
cloudiness
clouding
cloudland
cloudless
cloudlessly
cloudlessness
cloudlet
cloudlets
cloudlike
cloudling
cloudology
clouds
cloudscape
cloudship
cloudward
cloudwards
cloudy
cloee
clough
cloughs
cloor
cloured
clouring
clours
clout
clouted
clouter
clouterly
clouters
clouting
clouts
clouty
clove
cloven
clovene
clover
cloved
clubable
clubbability
clubbable
clubbed
clubber
clubbers
clubbier
clubbiest
clubbily
clubbiness
clubbing
clubbish
clubbishness
clubbism
clubbist
clubby
clubdom
clubfeet
clubfellow
clubfist
clubfisted
clubfoot
clubfooted
clubhand
clubhands
clubhaul
clubhauled
clubhauling
clubhauls
clubhouse
clubhouses
clubionid
clubland
clubman
clubmate
clubmen
clubmobile
clubmonger
clubridden
clubroom
clubrooms
clubroot
clubroots
clubs
clubstart
clubster
clubweed
clubwoman
clubwomen
clubwood
cluck
clucked
clucking
clucks
clucky
cludder
clue
clue's
clued
clueing
clueless
clues
cluff
cluing
clum
clumber
clumbers
clump
clumped
clumper
clumpier
clumpiest
clumping
clumpish
clumpishness
clumplike
clumproot
clumps
clumpst
clumpy
clumse
clumsier
clumsiest
clumsily
clumsiness
clumsy
clunch
clung
cluniac
clunk
clunked
clunker
clunkers
clunking
clunks
clunter
clupanodonic
clupeid
clupeids
clupeiform
clupein
clupeine
clupeiod
clupeoid
clupeoids
clu pien
cluppe
cluricaune
clusiaceous
cluster
clusterberry
clustered
clusterfist
clustering
clusteringly
clusteringings
clusters
clustery
clutch
clutched
clucher
clutches
clutching
clutchingly
clutchman
clutchy
cluther
clutter
cluttered
clutterer
cluttering
clutterment
clutters
cluttery
cly
clydesdale
clyer
clyers
clyfaker
clyfaking
clype
clypeal
clypeaster
clypeastroid
coabode
coabound
coabsome
coaceeptor
cocervate
coacervated
cocervating
cocervation
cocach
coacachility
coacachable
coacachbuilder
coacachbuilding
coacached
coacachee
coacacher
coacachers
coacaches
coacachfellow
coacachful
coacaching
coacachlet
coacachmaker
coacachmaking
coacachman
coacachmanship
coacachmaster
coacachmen
coacachs
coacachsmith
coacachsmithing
coacachway
coacachwhip
coacachwise
coacachwoman
coacachwood
coacachwork
coacachwright
coacachy
coacact
coacacted
coacacting
coacation
coacations
coacactive
coacatively
coacactivity
coacactor
coacts
coadamite
coadapt
coadaptation
coadaptations
coadapted
coadapting
coadequate
coadjacency
coadjacent
coadjacently
coadjudicator
coadjument
coadjust
coadjustment
coadjutant
coadjutator
coadjute
coadjutement
coadjutive
coadjutor
coadjutors
coadjutorship
coadjutress
coadjurice
coadjutrices
coadjutrix
coadjuvancy
coadjuvant
coadjuvate
coadminister
coadministration
coadministrator
coadministratrix
coadmiration
coadmire
coadmired
coadmires
coadmiring
coadmit
coadmits
coadmitted
coadmitting
coadnate
coadore
coadsorbent
coadunate
coadunated
coadunating
coadunation
coadunative
coadunatively
coadunite
coadventure
coadventured
coadventurer
coadventures
coadventuring
coadvice
coaeval
coaevals
coaffirmation
coafforest
coaged
coagel
coagencies
coagency
coagent
coagents
coaggregate
coaggregated
coaggregation
coagitate
coagitator
coagment
coagmentation
coagonize
coagriculturist
coagula
coagulability
coagulable
coagulant
coagulants
coagulase
coagulate
coagulated
coagulates
coagulating
coagulation
coagulations
coagulative
coagulator
coagulators
coagulatory
coagule
coagulin
couantil
coagulometer
couagulose
couagulum
couagulums
couaid
couaita
couak
couakum
coual
couala
coualas
coualbag
coualbagger
coualbinder
coualbins
coualbox
coualboxes
coualdealer
coualed
coualer
coualers
coualesce
coualesced
coualescence
coualescency
coualescent
coualesces
coualescing
coualface
coualfiel
ncoualfish
coualfishes
coualfitter
coualheugh
coualhole
coualholes
coualier
couallest
coualification
coualified
coualifies
coualify
ncoualifying
coualing
coualite
coualition
coalitional
coalitioner
coalitionist
coalitions
coalize
coalized
coalizer
coalizing
coalless
coalmonger
calmouse
coalpit
coalpits
coalrake
coals
coalsack
coalsacks
coalshed
coalsheds
coalsheds
coalsack
coalsacks
coalshed
coalsheds
coalsheds
coalrake
coals
coalsack
coalsacks
coalrake
coals
coalsack
coalsacks
coalsheds
coalsheds
coapprover
coapt
coaptate
coaptation
coapted
coapting
coapts
coaration
coarb
coarbiter
coarbitrator
coarct
coarctate
coarctation
coarcted
coarcting
coardent
coarrange
coarrangement
coarse
coarsely
coarsen
coarsened
coarseness
coarsening
coarsens
coarser
coarsest
coarsish
coart
cocarticulate
cocarticulation
cocascend
cocassert
cocasserter
cocoassession
cocoassessor
cocoassignee
cocoassist
cocoassistance
cocoassistant
cocoassisted
cocoassisting
cocoassists
cocoassume
cocoassumed
cocoassumes
cocoassuming
coast
costal
costally
coasted
coaster
coasters
costeguard
costguardman
costguardsman
costguardsmen
costing
coastings
costland
costline
costlines
costman
costmen
coasts
costside
costwaiter
costward
costwards
costways
costwise
cot
coatdress
coated
coatee
coatees
coater
coaters
coathangers
coati
cotie
cotimondie
cotimundi
coating
coatings
coation
ccoat
coatless
ccoatmark
ccoatrack
ccoatracks
ccoatroom
ccoatrooms
coats
coattail
coattailed
cobaltinitrite
cobaltite
cobaltocyanic
cobaltocyanide
cobaltous
cobalts
cobang
cobb
cobbed
cobber
cobberer
cobbers
cobberer
cobniest
cobbin
cobbing
cobble
cobbled
cobbler
cobbler's
cobblerfish
cobblerism
cobblerless
cobblers
cobblership
cobliery
cobbles
cobblestone
cobblestoned
cobblestones
cobbling
cobhly
cobbra
cobbs
cobby
cobcab
cobdenism
cobego
cobbelief
cobeliever
cobelligerent
cobenignity
coberger
cobewail
cobhead
cobhouse
cobia
cobias
cockapoos
cockard
cockarouse
cockateel
cockatiel
cockatoo
cockatoos
cockatrice
cockatrices
cockawee
cockbell
cockbill
cockbilled
cockbilling
cockbills
cockbird
cockboat
cockboats
cockbrain
cockchafer
cockcrow
cockcrower
cockcrowing
cockcrows
cocked
cocker
cockered
cockerel
cockerels
cockerie
cockering
cockermeg
cockernonnie
cockernony
cockerouse
cockers
cocket
cocketed
cocketing
cockeye
cockeyed
cockeyedly
cockeyedness
cockeyes
cockfight
cockfighter
cockfighting
cockfights
cockneyize
cockneyland
cockneylike
cockneys
cockneyship
cockpaddle
cockpit
cockpits
cockroach
cockroaches
cocks
cockscomb
cockscombed
cockscombs
cocksfoot
cockshead
cockshies
cockshoot
cockshot
cockshut
cockshuts
cockshy
cockshying
cocksparrow
cockspur
cockspurs
cockstone
cocksure
cocksuredom
cocksureism
cocksurely
cocksureness
cocksurety
cockswain
cocksy
cocktail
cocktail's
coktailed
coktailing
coktails
cokthrowing
cokup
cokups
cockweed
coky
cokyolly
coclea
coco
cocoa
cocoach
cocoanut
cocoanuts
cocos
cocoawood
cocobola
cocobolas
cocobolo
cocobolos
cocodette
cocomat
cocomats
cocona
coconnection
coconqueror
coconscious
coconsciously
coconsciousness
coconsecrator
coconspirator
coconstituent
cocontractor
coconut
coconut's
coconuts
cocoon
cocoon's
cocooned
cocooneries
cocoonery
cocooning
cocoons
cocopan
cocopans
cocorico
cocoroot
cocos
cocotte
cocottes
cocovenantor
cocowood
cocowort
cocoyam
cocozelle
cocreate
cocreates
cocreating
cocreator
cocreatorship
cocreditor
cocrucify
coct
coctile
coction
coctoantigen
coctoprecipitin
cocuisa
cocuiza
cocullo
cocurator
cocurrent
cocurricular
cocus
cocuswood
cocuyo
cocytus
cod
coda
codable
codal
codamin
codamine
codas
codbank
codded
codder
codders
codding
coddle
coddled
codder
coddlers
coddles
coddling
coddy
code
codebook
codebooks
codebreak
codebreaker
codebtor
codebtors
codec
codeclination
codecrée
codecs
coded
codefendant
codefendants
codeda
codedas
codein
codeina
codeinas
codeine
codeines
codeins
codeless
codelight
codelinquency
codelinquent
coden
codenization
codens
codeposit
coder
coderiver
coderived
coderives
coderiving
coders
codes
codescendant
codesign
codesigned
codesigning
codesigns
codespairer
codetermination
codetermine
codetta
codettas
codette
codeword
codeword's
codewords
codex
codfish
codfisher
codfisheries
codfishery
codfishes
codfishing
codger
codgers
codhead
codheaded
codiaceous
codical
codices
codcil
codicilic
codicillary
codics
codicology
codictatorship
codifiability
codification
codification's
codifications
codified
codifier
codifier's
codifiers
codifies
codify
codifying
codilla
codille
coding
codings
codiniac
codirect
codirected
codirecting
codirectional
codirector
codirectorship
codirects
codiscourager
codisjunct
codist
codivine
codivine
codlin
codline
codling
codlings
codlins
codman
codo
codol
codomain
codomestication
codominate
codon
codons
codpiece
codpieces
codpitchings
cods
codswallop
codworm
coe
coeal
coeum
coe
coedit
coedited
coediting
coeditor
coeditors
coeditorship
coedits
coeds
coeducate
coeducation
coeducational
coeducationalism
coeducationalize
coeducationally
coeff
coeff
coeff
coeffect
coeffects
coefficacy
coefficient
coefficient's
coefficiently
coefficients
coeffluent
coeffluent
coehorn
coelacanth
coelacanthid
coelacanthine
coelacanthoid
coelacanthous
coelanaglyphic
coelar
coelearium
coeelastraceous
coeelder
coeledership
coelect
coelection
coelector
coelectron
coelelminth
coelelminthic
coelelentera
coelelenterata
coelelenterate
coelelenterates
coelelenteric
coelelenteron
coelestial
coelestine
coelevate
coeelho
coeilia
coeiarc
coeilialgia
coeelian
coeeligernous
coeelin
coeeline
coeiiomyalgia
coeiliorrhea
coeiliorrhoea
coeilioscropy
coeiliotomy
coeloblastic
coeloblastula
coeioldont
coeologiastrula
coeilom
coeiloma
coeilomata
coeilomate
coeilomatic
coeilomatous
coeilome
coeilomes
coelomesoblast
coeilomic
coenamoring
coenamorment
coenamors
coenamourment
coenanthium
coendear
coendure
coendured
coendures
coenduring
coenenchym
coenenchyma
coenenchymal
coenenchymata
coenenchymatous
coenenchyme
coenesthesia
coenesthesis
coenflame
coengage
coengager
coenjoy
coenla
coeno
coenobe
coenobiarch
coenobic
coenobiod
coenobioid
coenobite
coenobitic
coenobitical
coenobitism
coenobium
coenoblast
coenoblastic
coenoby
coenocentrum
coenocyte
coenocytic
coenodioecism
coenoeial
coenoecic
coenoecium
coenogamete
coenogenesis
coenogenetic
coenomonoecism
coenosarc
coenosarcal
coenosarcous
coenosite
coenospecies
coenospecific
coenospecifically
coenostean
coenosteum
coenotrope
coenotype
coenotypic
coenotrope
coenunuri
coenure
coenures
coenuri
coenurus
coenzynatic
coenzymatically
coenzyme
coenzymes
coequal
coequality
coequalize
coequally
coequationalness
coequals
coequate
coequated
coequates
coequating
coequation
coeerce
coeerceable
coeercerd
coeercement
coeercend
coeercends
coeercer
coeercers
coeerces
coeercibility
coeercible
coeercibleness
coeercibly
coeercing
coeercion
coercionary
coercionist
coercions
coercitive
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coerciveness
coercivity
coercive
coercively
coercenciveness
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coercivity
coercive
coercively
coercence
coerciv
coexert
coexerted
coexerting
coexertion
coexerts
coeexist
coeisted
coeistence
coeistency
coeistent
coeisting
coeists
coeexpand
coeexpanded
coeexperiencer
coeexpire
coeexplosion
coeextend
coeextended
coeextending
coeextends
coeextension
coeextensive
coeextensively
coeextensiveness
coeextent
cofactor
cofactors
cofaster
cofather
cofathership
cofeature
cofatures
cofeoffee
cofeferment
cofefermentation
coff
coffee
coffee's
coffeeberries
coffeeberry
coffeebush
coffeecake
coffecakes
coffecup
coffegrower
coffegrowing
coffehouse
coffeewhat
cofoundress
cofounds
cofreighter
coft
cofunction
cog
cogboat
cogence
cogences
cogencies
cogency
cogener
cogeneration
cogeneric
cogenial
cogent
cogently
cogged
cogger
coggers
coggie
cogging
coggles
coggledy
coggley
coggly
cogida
cogie
cogit
cogitability
cogitable
cogitabund
cogitabundity
cogitabundly
cogitabundous
cogitant
cogitantly
cogitate
cogitated
cogitates
cogitating
cogitatingly
cogitation
cogitations
cogitative
cogitatively
cogitativeness
cogitativity
cogitator
cogitators
cogito
cogitos
coglorify
coglorious
cogman
cogmen
cognac
cognacs
cognate
cognately
cognateness
cognates
cognati
cognatic
cognatical
cognition
cognatus
cognisability
cognisable
cognisableness
cognisably
cognisance
cognisant
cognise
cognised
cogniser
cognises
cognising
cognition

cognitional
cognitive
cognitively
cognitives
cognitivity
cognitum
cognizability
cognizable
cognizableness
cognizably
cognizance
cognizant
cognize
cognized
cognizee
cognizer
cognizers
cognizes
cognizing
cognizor
cognomen
cognomens
cognomina
cognominal
cognominally
cognominate
cognominated
cognomination
cognosce
cognoscent
cognoscente
cognoscenti
cognoscibility
cognoscible
cognoscing
cognoscitve
cognositively
cognovit
cognovits
cogon
cogonal
cogons
cogovernment
cogovernor
cogracious
cograil
cogrediency
cogredient
cogroad
cogs
coguarantor
coguardian
cogue
cogware
cogway
cogways
cogweel
cogweels
cogwheel
cogwheels
cogwood
cohabit
cohabitancy
cohabitant
cokewold
coke
okie
okay
oking
okneyfy
okuloris
oky
col
cola
colaborer
colacobioses
colacobiosis
colacobiotic
colage
colalgia
colament
colander
colanders
colane
colaphize
colarin
colas
colascione
colasciones
colascioni
colat
colate
colation
colatitude
colatorium
colature
colauxe
colazione
colback
colberter
colbertine
colcannon
colchicia
colchicin
colchicine
colchicum
colchyte
colcothar
cold
coldblood
coldblooded
coldbloodedness
coldcock
coleslaws
colessee
colessees
colesseor
colesssors
collet
colletit
coleur
coleus
coleuses
coleworts
coleworts
coley
colfox
coli
coliander
colibacillosis
colibacterin
colibert
colibertus
colibri
colic
colical
colichemarade
colicin
colicine
colicines
colicins
colicker
colicky
colicolitis
colicroot
colics
colicweed
colicwort
colicwort
colicystitis
colicystopyelitis
colies
coliform
coliforms
colilysin
colina
colin
colinear
colinearity
colinephritis
coling
colins
coliphage
coliplication
colipuncture
colipyelitis
colipyuria
colisepsis
coliseum
coliseums
colistin
colistins
colitic
colitis
colitises
colitoxemia
coliuria
colk
coll
colla
collab
collabent
collaborate
collaborated
collaborates
collaborateur
collaborating
collaboration
collaborationism
collaborationist
collaborationists
collaborations
collaborative
collaboratively
collaborativeness
collaborator
collaborator's
collaborators
collada
colladas
collage
collagen
collagenase
collagenic
collagenous
collagens
collages
collagist
collapsability
collapsible
collapsar
collapse
collapsed
collapses
collapsibility
collapsible
collapsing
collar
collarband
collarbird
collarbone
collarbones
collard
collards
collare
collared
collaret
collarets
collarette
collaring
collarino
collarinos
collarless
collarman
collars
collat
collatable
collate
collated
collatee
collateral
collaterality
collateralize
collateralized
collateralizing
collaterally
collateralness
collaterals
collates
collating
collation
collational
collationer
collations
collatitious
collative
collator
collators
colleting
collets
collets
colletside
colley
colibert
colicle
colliculate
colliculus
colide
collided
collides
collidin
collidine
colliding
collie
collied
collielike
colier
colieries
coliers
colliery
collies
collies
collieshangel
coliflower
colliform
colligance
colligate
colligated
colligating
colligation
colligative
colligible
collimate
collimated
collimates
collimating
collimation
collimator
collimators
collin
collinal
colline
collinear
collinearity
collinearly
collinate
collineation
colling
colloquing
colloid
colloidal
colloidalcy
colloidalcy
colloider
colloidize
colloidochemical
colloids
colomia
colop
coloped
colophane
colophanite
colophore
colops
colloq
colque
colloquia
colloquial
colloquialcy

colloquialcy

colloquialisms
colloquialist
colloquialcy

colloquialize
colloquializer
colloquially
colloquialness
colloquies
colloquiquia

colloquiquiums
colloquist

colloquium
colloquiums
colloquize
colloquized
colloquizing
colloquiquia
colloquy
collossians
collothun
collotype
collotyped
collotypic
collotyping
collotypy
collow
colloxylin
colluctation
collude
colluded
colluder
colluders
colludes
colluding
collum
collumelliaceous
collun
collunaria
collunarium
collusion
collusive
collusively
collusiveness
collusory
collut
collution
collutoria
collutories
collutorium
collutory
colluvia
colluvial
colluvies
colluvium
colluviums
colly
collyba
collybist
collying
collylyria
collyr
collyria
collyridian
collyrie
collyrite
collyrium
collyriums
collywest
collyweston
collywobbles
colmar
colmars
colmose
colnaria
colob
colobin
colobium
coloboma
colobus
colocate
colocated
colocates
colocating
colocentesis
colocephalous
coloclysis
colocola
colocolic
colocolo
colocynth
colocynthin
colodyspepsia
coloenteritis
colog
cologarithm
cologne
cologned
colognes
cologs
colola
cololite
colomb
colombia
colombian
colombians
colombier
colombin
colombo
colometric
colometrically
colometry
colon
colon's
colonaded
colonalgia
colonate
colonel
colonel's
colonelcies
colonecity
colonels
colonelship
colonelships
coloner
colones
colonette
colongitude
coloni
colonial
colonialise
colonialised
colonialising
colonialism
colonialist
colonialistic
colonialists
colonialization
colonialize
colonialized
colonializing
colonially
colonialness
colonials
colic
colonical
colonies
colonisability
colonisable
colonisation
colonisationist
colonise
colonised
coloniser
colonises
colonising
colonist
colonist's
colonists
colonitis
colonizability
colonizable
colonization
colonizationist
colonizations
colonize
colonized
colonizer
colonizers
colonizes
colonizing
colonnade
colonnaded
colonnades
colonnette
colonopathy
colonopexy
colonoscope
colonoscopy
colons
colonus
colony
colony's
colopexia
colopexotomy
colopexy
colophan
colophane
colophany
colophene
colophenic
colophon
colophonate
colophonic
colophonist
colophonite
colophonium
colophons
colophony
coloplication
coloppe
coloprectitis
coloptosis
colopuncture
coloquies
coloquintid
coloquintida
color
colorability
colorable
colorableness
colorably
coloradan
coloradans
colorado
coloradoite
colorant
colorants
colorate
coloration
colorational
colorationally
colorations
colorative
coloratura
coloraturas
colorature
colorbearer
colorblind
colorblindness
colorbreed
colorcast
colorcasted
colorcaster
colorcasting
colorcasts
colorrectitis
colorectostomy
colored
coloreds
colorer
colorers
colorfast
colorfastness
colorful
colorfully
colorfulness
colorific
colorifics
colorimeter
colorimetric
colorimetical
colorimetrically
colorimetrics
colorimetrist
colorimetry
colorin
coloring
colorings
colorism
colorisms
colorist
coloristic
coloristically
colorists
colorization
colorize
colorless
colorlessly
colorlessness
colormaker
colormaking
colorman
coloroto
colorrhaphy
colors
colortype
colory
coloslossi
coloslossuses
coloss
colossal
colossalinity
colossally
colossean
colosseum
colossi
colossian
colossians
colosso
colossus
colossuses
colostomies
colostomy
colostral
colostration
colostric
colostrous
colostrum
colotomies
colotomy
colotyphoid
colour
colourability
colourable
colourableness
colourably
colouration
colourational
colourationally
colourative
coloured
colourer
colourers
colourfast
colourful
colourfully
colourfulness
colourific
colourifics
colouring
colourist
colouristic
colourize
colourless
colourlessly
colourlessness
colourman
colours
colourtpe
coloury
colove
colp
colpenchyma
colpeo
colpeurynter
colpeurysis
colpheg
colpindach
colpitis
colpitisces
colpocele
colpocystocele
colphohyperplasia
colphohysterotomy
colpoineoplasty
colpoineorrhaphy
colpoplastic
colpoplasty
colpoptosis
colporrhagia
colporrhaphy
colporrhea
colporrhexitis
colport
colportage
colporter
colporteur
colporteurs
colposcope
colposcopy
colpostat
colpotomies
colpotomy
coly
colyba
colymbiform
colymbion
colyone
colyonic
colytic
colyum
colyumist
colza
colzas
com
coma
comachine
comade
comae
comagistracy
comagmatic
comake
comaker
comakers
comaking
comal
comales
comals
comamie
comanche
comanchean
comanches
comandante
comandantes
comandanti
comanic
comarca
comart
comarum
comas
comate
comates
comatic
comatik
comatiks
comatose
comatosely
comatoseness
comatosity
comatous
comatula
comatulae
comatulid
comb
combaron
combasou
combat
combatable
combatant
combatant's
combatants
combated
combater
combaters
combating
combative
combatively
combativeness
combativity
combats
combattant
combattants
combatted
combatter
combatting
combe
combed
comber
combers
combes
combfish
combfishes
combflower
combinability
combinable
combinableness
combinably
combinant
combinantive
combinate
combination
combination's
combinational
combinations
combinative
combinator
combinator's
combinatorial
combinatorially
combinatoric
combinatorics
combinators
combinatory
combind
combine
combined
combinedly
combinedness
combinement
combiner
combiners
combines
combing
combings
combining
combite
combe
combless
comblessness
comblike
combbaker
combbaking
combo
comboioio
combos
comboy
combe
combretaceous
combs
combure
comburendo
comburent
comburgess
comburimeter
comburimetry
comburivorous
combust
combusted
combustibilities
combustibility
combustible
combustibleness
combustibles
combustibly
combusting
combustion
combustious
comenic
comephorous
comer
comers
comes
comessation
comestible
comestibles
comestion
comet
comet's
cometaria
cometarium
cometary
cometh
comether
comethers
cometic
cometical
cometlike
cometographer
cometographical
cometography
cometoid
cometology
comets
cometwise
comeupance
comeuppance
comeuppances
comfier
comfiest
comfily
comfiness
comfit
comfits
comfiture
comfort
comfortabilities
comfortability
comfortable
comfortableness
comfortably
comfortation
comfortative
comforted
comforter
comforters
comfortful
comforting
comfortingly
comfortless
comfortlessly
comfortlessness
comfortress
comfortroot
comforts
comfrey
comfreys
comfy
comic
comic's
comical
comicality
comically
comicalness
comices
comicocratic
comicocynical
comicodidactic
comicography
comicoprosaic
comicotragedy
comicotragic
comicotragical
comicrosy
comics
comida
comiferous
cominformist
cominformists
coming
comingle
comings
comino
comintern
comique
comism
comitadji
comital
comitant
comitatensian
comitative
comitatus
comite
comites
comminative
comminator
comminatory
commingle
commingled
comminglement
commingler
commingles
commingling
comminister
comminate
comminate
commined
commingled
comminglement
commingler
commises
commisce
commiserable
commiserate
commiserated
commiserates
commiserating
commiseratingly
commiseration
commiserations
commiserative
commiseratively
commisessor
commisser
commissarian
commissariat
commissariats
commissaries
commissars
commissary
commissaryship
commission
commissionaire
commissional
commissionary
commissionate
commissionated
commissionating
commissioned
commissioner
commissioners
commodata
commodatary
commodate
commodation
commodatum
commode
commodeate
commodes
commodious
commodiously
commodiousness
commoditable
commodities
commodity
commodity's
commodore
commodore's
commodores
commoigne
commolition
common
commomable
commonage
commonalities
commonality
commonalties
commonalty
commonance
commoned
commonefaction
commoner
commoner's
commoners
commonership
commonest
commoner
commoning
commonish
commonition
commonize
commonly
commonness
commonplace
commonplaceism
commonplacely
commonplaceneness
commonplacer
commonplaces
commons
commonsense
commonsensible
commonsensibly
commonsensical
commonsensically
common
commonwealth
commonweal
commonweals
commonwealth
commonwealthism
commonwealths
commorancies
commorancy
commorant
commorient
commorse
commorth
commos
commot
commote
commotion
commotional
commotions
commotive
commove
commoved
commoves
commoving
commulation
commulative
communa
communal
communalisation
communalise
communalised
communaliser
communalising
communalism
communalist
communalistic
communality
communality
communalsization
communalize
communalized
communalizer
communalizing
communally
complaisance
complaisant
complaisantly
complaisantness
complanar
complanate
complanation
complant
compleat
compleated
complect
complied
complecting
completion
complect
complements
complimental
complimentally
complimentalness
complimentaries
complimentarily
complimentariness
complimentarism
complimentarity
complimentary
complementation
complementative
complemented
complemener
complemeners
complementing
complementizer
complementoid
complements
completal
complete
completed
completedness
completely
complemement
completeness
completer
completers
completes
completist
completing
completion
completions
complicates
complicating
complication
complications
complicative
complicator
complicator's
complicators
complice
complices
complicities
complicitous
complicity
complied
complier
compliers
complies
compliment
complimentable
complimental
complimentally
complimentalness
complimentarily
complimentariness
complimentarity
complimentary
complimentation
complimentative
complimented
complimenter
complimenters
complimenting
complimentingly
compliments
complin
compline
comlines
complins
complish
complot
complotment
complots
complotted
complotter
complotting
complutensian
compluvia
compluvium
comprehender
comprehendible
comprehending
comprehendingly
comprehends
comprehense
comprehensibility
comprehensible
comprehensibleness
comprehensibly
comprehension
comprehensive
comprehensively
comprehensiveness
comprehensives
comprehensor
comprend
compresbyter
compresbyterial
compresence
comprent
compress
compressed
compressedly
compresses
compressibilities
compressibility
compressible
compressibleness
compressibly
compressing
compressingly
compression
compressional
compressions
compressive
compressively
compressively
compressometer
compressor
compressors
compressure
comprest
compriest
comprint
comprisable
comprisal
comprise
comprised
compulsative
compulsatively
compulsatorily
compulsatory
compulse
compulsed
compulsion
compulsion's
compulsions
compulsor
compulsive
compulsively
compulsiveness
compulsives
compulsivity
compulsorily
compulsoriness
compulsory
compunct
compunction
compunctionary
compunctionless
compunctions
compunctious
compunctiously
compunctive
compupil
compurgation
compurgator
compurgatorial
compurgatory
compursion
computability
computable
computably
compuate
computation
computation's
computational
computationally
computations
computative
computatively
computativeness
compute
computed
computer
computer's
conarial
conarium
conation
conational
conationalistic
conations
conative
conatural
conatus
conaxial
conbinas
conc
concatenated
concamerated
concamerative
concameration
concanavalin
concapitive
concarnation
con cassation
concatenary
concatenate
concatenated
concatenates
concatenating
concatenation
concatenations
concatenator
concatervate
concaulescence
concausal
concause
concavation
concave
concaved
concavelly
concaveness
concaver
concaves
concaving
concavities
concavity
concavo
conceal
concealable
concealed
concealedly
concealedness
concealer
case
concealer
concealing
case
concealment
case
conceals
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
case
concentrating
concentration
concentrations
concentrative
concentrateness
concentrator
concentrators
concentre
concentred
concentric
concentrical
concentrically
concentricate
concentricity
concentring
concents
concentual
concentus
concept
concept's
conceptacle
conceptacular
conceptaculum
conceptible
conception
conception's
conceptional
conceptionist
conceptions
conceptism
conceptive
conceptIVENESS
concepts
conceptual
conceptualisation
conceptualise
conceptualised
conceptualising
conceptualism
conceptualist
conceptualistic
conceptualistically
conceptualists
conceptuality
conceptualization
conceptualization's
conceptualizations
conceptualize
concertmaster
concertmasters
concertmeister
concertment
concerto
concertos
concerts
concertstick
concertstuck
concessible
concession
concession’s
concessionaire
concessionaires
concessional
concessionaries
concessionary
concessioner
concessionist
concessions
concessit
concessive
concessively
concessiveness
concessor
concessory
concetti
concettism
concettist
concetto
conch
concha
conchae
conchal
conchate
conche
conched
concher
conches
conchfish
conchfishes
conchie
conchies
conchiferous
conchiform
conchinin
conchinine
conchiolin
conchite
conchitic
conchitis
concho
conchoid
conchoidal
conchoidally
conchs
conchoid
conchoids
conchol
conchological
conchologically
conchologist
conchologize
conchology
conchometer
conchometry
conchospiral
conchotome
conchs
conchuela
conchy
conchyle
conchylia
conchyliated
conchyliferous
conchylum
conciator
concierge
concierges
concile
conciliable
conciliabule
conciliabulum
conciliar
conciliarism
conciliarily
conciliate
conciliated
conciliates
conciliating
conciliatingly
conciliation
conciliationist
conciliations
conciliative
conciliator
conciliatorily
conciliatoriness
concubinarian
cubineries
concubinary
cubicnate
cubicine
cubicinehood
concubines
cubicitancy
cubicitant
cubicitous
cubicitus
conculeate
conculation
concumbency
concupiscence
concupiscent
concupiscible
concupiscibleness
concupry
concur
concurbit
concurred
concurrence
concurrences
concurrencies
concurrency
concurrent
concurrently
concurrentness
concurring
concurringly
concers
concursion
concursos
concerns
conceant
concussion
concussation
concussed
concusses
concussing
concussion
concussional
concussions
concusive
concussively
concution
concyclic
concyclically
cond
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
conden-
condescendingly
condescendingness
condescends
condescension
condescensions
condescensive
condescensively
condescensiveness
condescent
condiction
condictious
condiddle
condiddled
condiddlement
condiddling
condign
condigness
condignity
condignly
condignness
condiment
condidental
condimentary
condiments
condisciple
condistillation
condite
condition
conditionable
conditional
conditionalism
conditionalist
conditionalities
conditionality
conditionalize
conditionally
conditionals
conditionate
conditione
conditioned
conditioner
conditioners
conditioning
conditions
condititivia
conditivia
conditivium
conditoria
conducent
cducer
cducers
cduces
cducible
cducibleness
cducibly
condoning
condoningly
c conducive
c conducive
c conduct
c conducta
c conductance
c conductances
c conducted
c conductibility
c conductible
c conductility
c conductimeter
c conductimetric
c conducting
c conductio
c conduction
c conductional
c conductitious
c conductive
c conductively
c conductivities
c conductivity
c conductometer
c conductometric
c conductor
c conductor's
c conductorial
c conductorless
c conductors
c conductorship
c condeatory
c condeartess
c condeats
c condeatus
c conde
c condeit
c conduits
c conduplicate
c conduplicated
c conduplication
condurangin
condurango
condurrite
condylar
condylarth
condylarthrosis
condylarthrous
condyle
condylectomy
condyles
condy lion
condyloid
condyloma
condylomas
condylomata
condylomatous
condylome
condylopod
condylopodous
condylos
condylotomy
condylura
condylure
cone
cone's
coned
coneen
coneflower
conehead
coneighboring
coneine
conelet
conelike
conelrad
conelrads
conemaker
conemaking
conenchyma
conenose
conenoses
conepate
conepates
conepatl
conepats
coner
cones
conessine
conestoga
confederationism
confederationist
confederations
confederatism
confederative
confederatize
confederator
confelicity
confer
conferee
conferees
conference
conference's
conferences
conferencing
conferential
conferment
conferrable
conferral
conferred
conferree
conference
conferrer
conferrer's
conferrers
conferring
conferruminate
confers
conferted
conferva
confervaceous
confervae
conferval
confervalike
confervas
confervoid
confervous
confess
confessable
confessant
confessarius
confessary
confessed
confessedly
confesser
confesses
confessing
confessingly
confession
confession's
confessional
confessionalian
confessionalism
confessionalist
confessionally
confessionals
confessionaries
confessionary
confessionist
confessions
confessor
confessor's
confessors
confessorship
confessory
confest
confetti
confetto
conficient
confidant
confidant's
confidante
confidantes
confidants
confide
confided
confidence
confidences
confidency
confident
confidente
confidential
confidentiality
confidentially
confidentialness
confidiary
confidently
confidentness
confider
confiders
confides
confiding
confidingly
confidingness
configurable
configural
confirmingly
confirmity
confirmment
confirmor
confirms
confiscable
confiscatable
confiscate
confiscated
confiscates
confiscating
confiscation
confiscations
confiscator
confiscators
confiscatory
confiserie
confisk
confiscating
confit
confitent
confiteor
confiture
confix
confixed
confixing
conflab
conflagrant
conflagrate
conflagrated
conflagrating
conflagration
conflagrations
conflagrative
conflagrator
conflagratory
conflate
confliated
confliates
confliating
conflation
conflexure
conflict
conflicted
conflictful
conflicting
conflictingly
confliction
confictive
conflictless
confictory
conflicts
conflictual
conflow
confluence
confluences
confluent
confluently
conflux
confluxes
confluxibility
confluxible
confluxibleness
confocal
confocally
conforably
conform
conformability
conformable
conformableness
conformably
conformal
conformance
conformant
conformate
conformation
conformational
conformationally
conformations
conformator
conformed
conformer
conformers
conforming
conformingly
conformism
conformist
conformists
conformities
conformity
conforms
confort
confound
confoundable
confounded
confoundedly
confoundedness
cfounder
cfounders
cfounding
cfoundingly
cfoundment
cfounds
confr
confract
confract
confract
confract
confract
confract
confracose
confrater
confraternal
confratries
confraternity
confraternization
confrere
confreres
confrerie
confria
confricamenta
confricamentum
confrication
confront
confrontal
confrontation
confrontation's
confrontational
confrontationism
confrontationist
confrontations
confronte
confronted
confroner
confroners
confronting
confrontment
confronts
confucian
confucianism
confucians
confucius
confusability
confusable
confusably
confuse
confused
confusedly
confusedness
confuser
confusers
confuses
confusing
confusingly
confusion
confusional
confusions
confusive
confusticate
confustication
confutability
confutable
confutation
confutations
confutative
confutator
confute
confuted
confuter
confuters
confutes
confuting
cong
conga
congaed
congaing
congas
conge
congeable
congeal
congealability
congealable
congealableness
congealed
congealedness
congealer
congealing
congealment
congeals
conged
congee
congeed
congeeing
congees
congeing
congelation
congelative
congelifract
congelifraction
congeliturbate
congeliturbation
congenator
congener
congeneracy
congeneric
congenerical
congenous
congenously
congeners
congenetic
congenial
congeniality
congenialize
congenially
congenialness
congenital
congenitally
congenitalness
congenite
congeon
conger
congere
congerie
congeries
congers
congery
conges
congession
congest
congested
congestedness
congestible
congesting
congestion
congestions
congestive
congestive
congests
congestus
congiaries
congiary
congii
congius
conglactate
conglabe
conglobated
conglobately
conglobating
conglobation
conglobe
conglobed
conglobes
conglobing
conglobulate
conglomerate
conglomerated
conglomerates
conglomeratic
conglomerating
conglomeration
conglomerations
conglomerative
conglomerator
conglomeritic
conglutin
conglutinant
conglutinate
conglutinated
conglutinating
conglutination
conglutinative
conglution
congo
congoes
congolese
congoni
congos
congou
congous
congrats
congratulable
congratulant
congratulate
congratulated
congratulates
congratulating
congratulation
congratulational
congratulations
congratulator
congratulatory
congredient
congree
conjubilant
conjunctiva
conjugal
conjunctively
conjunctively
conjunctivitis
conjunctly
conjuncts
conjunctur
conjurations
conjurator
conjure
conjured
conjurement
conjurer
conjurers
conjurership
conjures
conjuring
conjurison
conjuror
conjurers
conjury
cok
conkanee
conked
conker
conkers
conking
coks
conky
coni
conn
connach
connaisseur
connaraceous
connarite
connascency
connascent
connatal
connate
connately
connateness
connation
connatural
connaturality
connaturalize
connaturally
connaturalness
connature
connaught
connect
connectable
connectant
connected
connectedly
connectedness
connecter
connecters
connectibility
connectible
connectibly
connecticut
connecting
connection
connection's
connectional
connectionism
connectionless
connections
connectival
connective
connective's
connectively
connectives
connectivity
connector
connector's
connectors
connects
conned
connellite
conner
conners
connex
connexes
connexion
connexional
connexionism
connexionities
connexionity
connexiva
connexive
connexivum
connexure
connexus
connie
connies
conning
conniption
conniptions
connivance
connivances
connivancy
connivant
conoidal
conoidally
conoidic
conoidical
conoidically
conoids
conominee
conomintelligent
conopid
conoplain
conopodium
conormal
conoscente
conoscenti
conoscope
conoscopic
conourish
conphaseolin
conplane
conquassate
conquedle
conquer
conquerable
conquerableness
conquered
conquerer
conquerers
conqueress
conquering
conqueringly
conquerment
conqueror
conqueror's
conquerors
conquers
conquest
conquest's
conquests
conquian
conquiants
conquinamine
conquinine
conquisition
conquistador
conquistadores
conquistadors
conrail
conrector
consequence's
consequences
consequency
consequent
consequential
consequentialities
consequentiality
consequentially
consequently
consequents
consertal
consertion
conservable
conservacy
conservancies
conservancy
conservant
conservate
conservation
conservation's
conservational
conservationism
conservationist
conservationist's
conservationists
conservations
conservatism
conservatist
conservative
conservatively
conservativeness
conservatives
conservatize
conservatoire
conservatoires
conservator
conservatorial
conservatories
conservatorio
conservatorium
conservators
conservatorship
conservatory
conservatrix
conserved
conserved
conserver
consigns
consiliary
consilience
consilient
consimilar
consimilarity
consimilate
consimilated
consimilating
consimile
consistently
consist
consisted
consistence
constances
constistencies
constistency
consistent
constisently
consistible
consisting
consistorial
consistorian
consistories
consistory
consists
consition
constitutional
consociate
consociated
consociating
consoication
consociational
consociationism
consociative
consocieties
consol
consolable
consolableness
consolably
consolant
consolate
consolation
consolation's
consolations
consolator
consolatorily
consolatoriness
consolatory
consolatrix
console
consoled
consolement
consoler
consolers
consoles
consolette
consolidant
consolidate
consolidated
consolidates
consolidating
consolidation
consolidationist
consolidations
consolidative
consolidator
consolidators
consoling
consolingly
consolitorily
consolitoriness
consols
consolute
consomm
consomme
consomens
consonance
consonances
consonancy
consonant
consonant's
consonantal
consonantalize
consonantalized
consonantalizing
consonantally
consonantic
consonantise
consonantised
consonantising
consonantism
consonantize
consonantized
consonantizing
consonantly
consonantness
c consonants
c consonate
c consonous
c consopite
c consort
c consortable
c consorted
c consor
c consortia
c consortial
c consorting
c consortion
c consortism
c consortitia
c consortium
c consortiums
c consorts
c consortship
c consoude
c consound
c conspecies
c conspecific
c conspecifics
c conspect
c conspection
c conspectuity
c conspectus
c conspectuses
c consperg
c consperse
c conspersion
c conspicuity
c conspicuous
c conspicuously
c conspicuousness
c conspiracies
c conspiracy
c conspiracy’s
c conspirant
c conspiration
c conspirational
c conspirative
c conspirator
c conspirator’s
c conspiratorial
c conspiratorially
c conspirators
conspiratory
conspiratress
conspire
conspired
conspirer
conspirers
conspires
conspiring
conspiringly
conspissate
conspue
conspurcate
const
constable
constable's
constabulary
constables
constableship
constabless
constablewick
constabular
constabularies
constabulary
constance
constances
constancy
constant
constantan
constantinian
constantinople
constantinopolitan
constantly
constantness
constants
constat
constatation
constatations
constate
constative
constatory
constellate
constellated
constellating
constellation
constellation's
constellations
constellatory
conster
consummative
consummator
consummatory
consumo
consumpt
consumpted
consumptible
consumption
consumption's
consumptional
consumptions
consumptive
consumptively
consumptiveness
consumptives
consumptivity
consute
consy
cont
contabescence
contabescent
contact
contactant
contacted
contactile
contacting
contaction
contactor
contacts
contactual
contactually
contadino
contaggia
contagia
contagion
contagioned
contagionist
contagions
contagiosity
contagious
contagiously
contagiousness
contagium
contain
containable
contained
containedly
container
contemptibly
contempts
contemptuous
contemptuously
contemptuousness
contend
contended
contendent
contender
contendere
contenders
contending
contendingly
contendress
contends
contenement
content
contentable
contentation
contented
contentedly
contentedness
contentful
contenting
contention
contention’s
contentional
contentions
contentious
contentiously
contentiousness
contentless
contently
contentment
contentness
contents
contenu
conter
conterminable
conterminal
conterminant
conterminate
contermine
conterminous
conterminously
conterminousness
conterraneous
contes
contessa
contesseration
contest
contestability
contestable
contestableness
contestably
contestant
contestants
contestate
contestation
contested
contestee
contester
contesters
contesting
contestation
contested
contestless
contests
conteur
contex
context
context's
contextive
contexts
contextual
contextualize
contextually
contextural
contexture
contextured
contg
conticent
contignate
contignation
contigate
contiguities
contiguity
contiguous
contiguously
contiguousness
contin
continence
continency
continent
continent's
continental
continentalism
continues
continuing
continuingly
continuist
continuities
continuity
continuo
continuos
continuous
continuously
continuously
continuosness
continuua
continuum
continuums
contise
contline
conto
contoid
contoise
contorniate
contorniates
contorno
contorsion
contorsive
contort
contorta
contorted
contortedly
contortedness
contorting
contortion
contortional
contortionate
contortioned
contortionist
contortionistic
contortionists
contortions
contortive
contortively
contorts
contortuplicate
contos
contour
contour’s
contoured
contouring
contouring
contractors
contracts
contractu
contractual
contractually
contracture
contractured
contractus
contracyclical
contrada
contradance
contrade
contradebt
contradict
contradictable
contradicted
contradictedness
contradieter
contradicting
contradiction
contradiction's
contradictional
contradictions
contradictious
contradictiously
contradictiousness
contradictive
contradictively
contradictiveness
contradictor
contradictories
contradictorily
contradictoriness
contradictory
contradicts
contradiscriminate
contradistinct
contradistinction
contradistinctions
contradistinctive
contradistinctively
contradistinctly
contradistinguish
contradivide
contrafacture
contrafagotto
contrafissura
contrafissure
contraproposal
ccontraprops
ccontraprove\ntant
ccontraption
ccontraption's
ccontraptions
ccontraptious
ccontrapuntal
ccontrapuntalist
ccontrapuntally
ccontrapuntist
ccontrapunto
ccontrarational
ccontraregular
ccontraregularity
ccontraremonstrance
ccontraremonstrant
ccontrarevolutionary
ccontrariant
ccontrariantly
ccontraries

ccontrarieties

ccontrariety
ccontrarily

ccontrariness
ccontrarious
ccontrariously

ccontrariousness
ccontrariwise
ccontrarotation
ccontrary

ccontrascrip\ntural

ccontrast
ccontrastable

ccontrastably

ccontraste

ccontrasted

ccontrastedly

ccontraster

ccontrasters

ccontrastimulant

ccontrastimulation

ccontrastimulus

ccontrasting

ccontrastingly

ccontrastive

ccontrastively

ccontrastiveness
contrastment
contrasts
contrasty
contrasuggestible
contratatable
contrate
contratempo
contratenor
contratulations
contravalence
contravallation
contravariant
contravenue
contravened
contravener
contravenes
contravening
contravention
contraversion
contravindicate
contravindication
contrawise
contrayerva
contrencoup
contrectation
contredanse
contredanses
contreface
contrefort
contrepartie
contretemps
contrib
contributable
contributary
contribute
contributed
contributes
contribution
contributional
contributions
contributive
contributively
contributiveness
contributor
contributor's
contributorial
contributories
controversialize
controversially
controversies
controversion
controversional
controversionalism
controversionalist
controversy
controversy's
contovert
contoverted
contovertor
contovertibility
contovertible
contovertibly
contovertion
contovertist
contoverts
contrudere
conttinua
contubernal
contubernal
contubernial
contubernial
contubernium
contumacies
contumacious
contumaciously
contumaciousness
contumacities
contumacity
contumacy
contumax
contumelies
contumelious
contumeliously
contumulousness
contumely
contund
contune
conturb
conturbation
contuse
contused
contuses
contusing
contusion
contusioned
contusions
contusive
conubium
conule
conumerary
conumerous
conundrum
conundrum's
conundrumize
conundrums
conurbation
conurbations
conure
conus
conusable
conusance
conusant
conusee
conuses
conusor
conutrition
conuzee
conuzor
conv
convalesce
convalesced
convalescence
convalescency
convalescent
convalescently
convalescents
convalesces
convalescing
convallamarin
convallariaceous
convallarin
convally
convect
convected
convecting
convection
convectional
convective
convectively
convector
convects
convell
convenable
convenably
convenance
convenances
convene
convened
convenee
convener
conveneries
conveners
convenership
convenery
convenes
convenience
convenience's
convenienced
conveniences
conveniencies
conveniency
conveniens
convenient
conveniently
convenientness
convening
convent
convent's
convented
conventical
conventically
conventicle
conventicler
conventicles
conventicular
conventing
convention
convention's
conventional
conventionalisation
conventionalise
conventionalised
conventionalising
conventionalism
conventionalist
conventionalities
conventionality
conventionalization
conventionalize
conventionalized
conventionalizes
conventionalizing
conventionally
convexly
convexness
convexo
convexoconcave
convey
conveyability
conveyable
conveyal
conveyance
conveyance's
conveyancer
conveyances
conveyancing
conveyed
conveyer
conveyers
conveying
conveyor
conveyorization
conveyorize
conveyorized
conveyorizer
conveyorizing
conveyors
conveys
conviciate
convicinity
convict
convictable
convicted
convictfish
convictfishes
convictible
convicting
conviction
conviction's
convictional
convictions
convictism
convictive
convictively
convictiveness
convictment
convictor
convicts
convince
convinced
convincedly
convolutive
convolve
convolved
convolvement
convolves
convolving
convolvulaceous
convolvulad
convolvuli
convolvulic
convolvulin
convolvulinic
convolvulinolic
convolvulus
convolvuluses
convoy
convoyed
convoying
convoyos
convulsant
convulse
convulsed
convulsedly
convulses
convulsibility
convulsible
convulsing
convulsion
convulsion’s
convulsional
convulsionaries
convulsionary
convulsionism
convulsionist
convulsions
convulsive
convulsively
convulsiveness
cony
conycatcher
conyger
conylene
conynge
conyrin
conyrine
conyza
coo
cooa
cookout
cookouts
cookroom
cooks
cookshack
cookshop
cookshops
cookstove
cookware
cookwares
cooky
cool
coolabah
coolaman
coolamon
coolant
coolants
cooled
coolen
cooler
cooler's
coolerman
coolers
coolest
coley
coolheaded
coolheadedly
coolheadedness
coolhouse
coolibah
coolidge
coolie
coolie's
coolies
cooliman
cooling
coolingly
coolingness
coolish
coolly
coolness
coolnesses
cools
coolth
coolung
coolweed
coolwort
cooly
cooperators
coopered
cooperies
coopering
cooperate
coopers
coopery
cooping
coops
coopt
coopitate
cooptation
cooptative
coopted
coopting
cooption
cooptions
cooptive
coopts
coordain
coordinal
coordinate
cooordinated
coordinately
cooordinateness
coordinates
cooordinating
coordination
cooordinations
cooordinative
coordinator
coordinator's
cooordinators
coordinatory
cooree
coorie
cooried
coorieing
coories
cooruptibly
coos
coooser
cooasers
cooosify
cooost
coot
cootch
cooter
cootfoot
cooth
coothay
cootie
cooties
coots
cooty
cop
cop's
copa
copable
copacetic
copaene
copaiba
copaibas
copaibic
copain
copaiva
copaivic
copaiye
copal
copalche
copalchi
copalcocote
copaliferous
copaline
copalice
copaljocote
copalm
copalms
copals
coparallel
coparcenar
coparcenary
coparcener
coparceny
coparenary
coparent
coparents
copart
copartaker
copartiment
copartner
copartners
copartnership
copartnery
coparty
copasetic
cophasal
cophasis
cophouse
copia
copiability
copiablen
copiapite
copied
copier
copiers
copies
copihue
copihues
copilot
copilots
coping
copings
copingstone
copintank
copiopia
copiopsia
copiosity
copious
copiously
copiousness
copis
copist
copita
copplaintiff
coplanar
coplanarities
coplanarity
coplanation
copleased
coplot
coplots
copotted
coplotter
coplotting
coploughing
coplowing
copolar
copolymer
copolymeric
copolymerism
copolymerization
copolymerizations
copolymerize
coppices
coppicing
coppin
copping
copple
copplecrown
coppled
coppling
coppra
coppras
copps
coppy
copr
copra
copraemia
copraemic
coprah
coprahhs
copras
coprecipitate
coprecipitated
coprecipitating
coprecipitation
copremia
copremias
copreminic
copresbyter
copresence
copresent
coprincipal
coprincipiate
coprinus
coprisoner
coprocessing
coprocessor
coprocessors
coproduction
coprodaceum
coproduce
coproducer
coprodue
coprodution
coproite
coproite
coprojector
coprolagnia
coprolagnist
coprolalia
coprolaliac
coprolite
coprolith
coprolitic
coprology
copromisor
copromoter
coprophagan
coprophagia
coprophagist
coprophagous
coprophagy
coprophilia
coprophiliac
coprophilic
coprophilism
coprophilous
coprophobia
coprophobic
coprophyte
coproprietor
coproprietorship
coprose
coprosma
coprostanol
coprostasia
coprostasis
coprostasophobia
coprosterol
coprozoic
cops
copse
copses
copsewood
copsewooded
copseing
copsole
copsy
copt
copter
copters
coptic
coptine
copula
copulable
copulae
copular
copularium
copulas
copulate
coracoid
coracoidal
coracoids
coracomandibular
coracomorph
coracomorphic
coracopectoral
coracoprocacoid
coracoradialis
coracoscapular
coracosteon
coracovertebral
coradical
coradicate
corage
coraggio
coragio
corah
coraise
coraji
coral
coralbells
coralberries
coralberry
coralbush
coraled
coralene
coralflower
coralist
coralita
coralla
corallet
coralic
corallidomous
coralliferous
coralliform
coralligenous
coralligerous
corallike
corallin
corallinaceous
coralline
coralla
corallite
coralloid
coralloidal
corallum
coralroot
corals
coralwort
coram
coran
corance
coranoch
coranto
corantes
corantos
coraveca
corban
corbans
corde
corbeau
corbed
corbeil
corbeille
corbeilles
corbeils
corbel
corbeled
corbeling
corbelled
corbeling
corbel
corbes
corbeis
corbeis
corbie
corbies
corbiestep
corbina
corbinas
corbleu
corblimey
corblimy
corbovinum
corbul
corby
corcass
corchat
corchorus
corcir
corcile
corcopali
cord
cordage
cordages
cordaitaceous
cordaitalean
cordaitean
cordal
cordant
cordate
cordately
cordax
corded
cordel
cordelier
cordeliere
cordelle
cordelled
cordelling
corder
corders
cordewane
cordia
cordial
cordialities
cordiality
cordialize
cordialy
cordialness
cordials
cordiceps
codicole
cordierite
cordies
cordiform
cordigeri
cordillera
cordilleran
cordilleras
cordinar
cordiner
cording
cordis
cordite
cordites
corditis
cordleaf
cordless
cordlessly
cordlike
cordmaker
cordoba
cordoban
cordobas
cordon
cordonazo
cordonazos
cordoned
cordoning
cordonnet
cords
cordovan
cordovans
cords
corduroy
corduroyed
corduroying
corduroys
cordwain
cordwainer
cordwainery
cordwains
cordwood
cordwoods
cordy
cordycepin
cordyl
cordyline
core
corebel
corebox
coreceiver
corecipient
coreciprocal
corectome
corectomy
corector
cored
coredeem
coredeemed
coredeemer
coredeeming
coredeems
coreemptress
coreductase
coreflexed
coregence
coregency
coretomy
coreveler
coreveller
corevolve
corf
corge
corgi
corgis
coria
coriaceous
corial
coriamyrtin
coriander
corianders
coriandrol
coriariaceous
coriaus
corin
corindon
coring
corinne
corinth
corinthes
corinthiac
corinthian
corinthians
coriparian
corita
corium
cork
corkage
corkages
corkboard
corke
corked
corker
corkers
corkier
corkiest
corkiness
corking
corkir
corkish
corkite
corklike
corkline
corkmaker
corkmaking
corks

corkscrew

corkscrewed

corkscrewing

corkscrews

corkscrewy

corkwing

corkwood

corkwoods

corky

corn

cormel

cormels

cormidium

cormlike

cormogen

cormoid

cormophyte

cormophytic

cormorant

cormorants

cormous

corms

cormus

corn

cornaceous

cornada

cornage

cornamute

cornball

cornballs

cornbell

cornberry

cornbin

cornbind

cornbins

cornbird

cornbole

cornbottle

cornbrash

cornbread

corncake

corncakes

corncob

corncobs

corncocks

corncracker

corncraike
cornette
cornetter
cornetti
cornettino
cornettist
cornetto
corneule
corneum
cornfactor
cornfed
cornfield
cornfield's
cornfields
cornflag
cornflakes
cornfloor
cornflour
cornflower
cornflowers
corngrower
cornhole
cornhouse
cornhusk
cornhusker
cornhusking
cornhusks
cornic
cornice
corniced
cornices
corniche
corniches
cornichon
cornicing
cornicle
cornicles
cornicular
corniculate
corniculer
corniculum
cornier
corniest
corniferous
cornific
cornification
cornified
corniform
cornify
cornigious
cornigerous
cornily
cornin
corniness
corning
corniplume
cornish
cornishman
cornix
cornland
cornless
cornloft
cornmaster
cornmeal
cornmeals
cornmonger
cornmuse
corno
cornopean
cornpipe
cornrick
cornroot
cornrow
cornrows
corns
cornsack
cornstalk
cornstalks
cornstarch
cornstone
cornstook
cornu
cornua
cornual
cornuate
cornuated
cornubianite
cornucopia
cornucopian
cornucopias
cornucopiate
cornule
cornulite
cornupete
cornus
cornuses
cornute
coronado
coronados
corona
coronae
coronagraph
coronagraphic
coronal
coronale
coronaled
coronalled
coronally
coronals
coronamen
coronaries
coronary
coronas
coronate
coronated
coronation
coronations
coronatorial
coronavirus
corone
coronel
coronels
coronene
coroner
coroners
coronership
coronet
coronet's
coroneted
coronetlike
coronets
coronetted
coronettee
coronetty
coroniform
coronillin
coronillo
coronion
coronis
coronitis
coronium
coronize
coronobasilar
coronofacial
coronofrontal
coronograph
coronographic
coronoid
coronule
coroparelysis
coroplast
coroplasta
coroplastae
coroplastic
coroplasty
coroscopy
corosif
corotate
corotated
corotates
corotating
corotation
corotomy
coroun
coroutine
coroutine's
coroutines
corozo
corozos
corp
corpl
corpn
corpora
corporacies
corporacy
corporal
corporal's
corporalcy
corporale
corporales
corporalism
corporalities
corporality
corporally
corporals
corporalship
corporas
corporate
corporately
corporateness
corporation
corporation's
corporational
corporationer
corporationism
 corporations
 corporatism
 corporatist
 corporative
 corporatively
 corporativism
 corporator
 corporature
 corpore
 corporeal
 corporealism
 corporealism
 corporealize
 corporeally
 corporealness
 corporeals
 corporeity
 corporeous
 corporification
 corporify
 corporosity
 corpsman
 corps
 corpsbruder
 corpse
 corpse's
 corpelike
 corporelikeness
 corpses
 corpsman
 corpsmen
 corpsy
 corpulence
 corpulences
 corpulencies
 corpulency
 corpulent
 corpulently
 corpulentness
 corpus
 corpuscle
 corpuscles
 corpuscular
 corpuscularian
 corpuscularity
 corpusculated
corpuscule
corpusculous
corpusculum
corr
corrade
corraded
corrades
corradi
corradiate
corradiated
corradiating
corradiation
corrading
coral
corralled
corralling
corrals
corrasion
corrasive
coreal
correality
correct
correctable
correctant
corrected
correctedness
correcter
correctest
correctible
correctify
correcting
correctingly
correction
correctional
correctionalist
correctioner
corrections
correctitude
corrective
correctively
correctiveness
correctives
correctly
correctness
corrector
correctorship
correctory
correctress
correctrice
corrects
corregidor
corregidores
corregidores
corregimiento
corregimientos
corel
correlatable
correlate
correlated
correlates
correlating
correlation
correlational
correlations
correlative
correlatively
correlativeness
correlatives
correlativism
correlativity
correligionist
correllated
correllation
correlations
corrente
corro
correction
corresol
corresp
correspond
corresponded
correspondence
correspondence's
correspondences
correspondencies
correspondency
correspondent
correspondent's
correspondential
correspondentially
correspondently
correspondents
correspondentship
corresponder
corresponding
correspondingly
corroborees
corrobri
corrodant
corrode
corroded
corrodent
corroder
corroders
corrodes
corrodary
corrodibility
corrodible
corrodier
corrodies
corroding
corrodingly
corody
corrosibility
corrosible
corrosibleness
corrosion
corrosional
corrosionproof
corrosive
corrosived
corrosively
corrosiveness
corrosives
corrosiving
corrosivity
corrugant
corrugate
corrugated
corrugates
corrugating
corrugation
corrugations
corrugator
corrugators
corrugent
corrump
corrumpable
corrup
corruptable
corrupt
corrupted
corruptedly
corruptedness
corrupter
coruptest
corruptful
corruptibilities
corruptibility
corruptible
corruptibleness
corruptibly
corrupting
corruptingly
corruption
corruptionist
corruptions
corruptious
corruptive
corruptively
corruptless
corruptly
corruptness
corruptor
corruptress
corrupts
corsac
corsacs
corsage
corsages
corsaint
corsair
corsairs
corsak
corse
corselet
corseleted
corseleting
corselets
corselette
corsepresent
corseque
corser
corses
corsesque
corset
corseted
corsetier
corsetiere
corseting
corsetless
corsetry
corticotrophin
corticotropin
corticous
cortile
cortin
cortina
cortinae
cortinarian

cortinate
cortine
cortins

cortisol
cortisols
cortisone
cortlandtite
coruco
coruler
corundophilite
corundum
corundums
corupay
coruscant

coruscate
coruscated
coruscates
coruscating
coruscation
coruscations
coruscative
corv
corve
corved

corvee
corvees
corven

corver

corves
corvet
corvets

corvette
corvettes
corvetto
corviform
corvillosum
corvina

corvinas
corvine
corviser
coryphaenid
coryphaenoid
coryphaeus
coryphe
coryphee
(coryphees
(coryphene
coryphodon
coryphodont
coryphyll
coryphaei
corystoid
corytuberine
coryza
coryzal
coryzas
cos
cosalite
cosaque
cosavior
coscet
coscinomancy
coscoroba
cose
coseasonal
coseat
cosec
cosecant
cosecants
cosech
cosecs
cosectarian
cosectional
cosed
cosegment
coseier
coseiest
coseism
coseismal
coseismic
cosen
cosenator
cosentiency
cosentient
coservant
coses
cosession
coset
cosets
cosmolined
cosmolining
cosmologic
cosmological
cosmologically
cosmologies
cosmologist
cosmologists
cosmology
cosmologygy
cosmometry
cosmonaut
cosmonautic
cosmonautical
cosmonautically
cosmonautics
cosmonauts
cosmopathic
cosmoplastic
cosmopoietic
cosmopolicy
cosmopolis
cosmolises
cosmopolitan
cosmopolitanisation
cosmopolitanise
cosmopolitanised
cosmopolitanising
cosmopolitanism
cosmopolitanization
cosmopolitanize
cosmopolitanized
cosmopolitanizing
cosmopolitanly
cosmopolitans
cosmopolite
cosmopolitic
cosmopolitical
cosmopolitics
cosmopolitism
cosmorama
cosmoramic
cosmorganic
cosmos
cosmoscope
cosmoses
cosmosophy
cosmosphere
cosmotellurian
cosmotheism
cosmotheist
cosmotheistic
cosmothetic
cosmotron
cosmozoan
cosmozoans
cosmozoic
cosmozoism
cosonant
cosounding
cosovereign
cosovereignty
cospecies
cospecific
cosphered
cosplendor
cosplendour
cosponsor
cosponsored
cosponsoring
cosponsors
cosponsorship
cosponsorships
coss
cossack
cossacks
cossas
cosse
cosset
cosseted
cossetting
cossets
cossette
cossetted
cossetting
cosshen
cossic
cossid
cossie
cossnt

cossyrite
cost
costa
costae
costage
costal
costochondral
costoclavicular
costocolic
costocoracoid
costodiaphragmatic
costogenic
costoinferior
costophrenic
costopleural
costopneumopexy
costopulmonary
costoscapular
costosternal
costosuperior
costothoracic
costotome
costotomies
costotomy
costotrachelian
costotransversal
costotransverse
costovertebral
costoxiphoid
coststraight
costrel
costrels
costs
costula
costulation
costume
costumed
costumer
costumers
costumery
costumes
costumey
costumic
costumier
costumiere
costumiers
costuming
costumire
costumist
costusroot
cosubject
cosubordinate
cosuffer
cosufferer
cosuggestion
cosuitor
cosurety
cosuretyship
cosustain
coswearer
cosy
cosymmedian
cot
cot's
cotabulate
cotan
cotangent
cotangential
cotangents
cotans
cotarius
cotarnin
cotamine
crobat
cotchy
cotch
cote
coteau
coteaux
coted
coteen
coteful
cotehardie
cotele
coteline
coteller
cotemporane
cotemporaneous
cotemporaneously
cotemporaries
cotemporarily
cotemporary
cotenancy
cotenant
cotenants
cotenure
coterril
coterie
coteries
coterminal
cotermious
cotermiously
coterminousness
cotery
cotes
cotesian
coth
cotham
cothamore
cote
cothorist
cothish
cothon
cothouse
cothurn
cothurnal
cothurnate
cothurned
cothurni
cothurnian
cothurnni
cothurns
cothurnus
cothy
cotice
coticed
coticing
coticate
cotical
cotillage
cotillion
cotillions
cotillon
cotillions
coting
cotinga
cotingid
cotingoid
cotise
cotised
cotising
cotitular
cotland
cotman
coto
cotoin
cotoneaster
cotonia
cotonier
cotorment
coughs
coughweed
coughwort
cougnar
couhage
coul
coulage
could
couldest
couldn
couldn't
couldna
couldnt
couldron
couldst
coulee
coulees
couleur
coulibiaca
coulie
coulier
coulis
coulisse
coulisses
couloir
couloirs
coulomb
coulombic
coulombmeter
coulombs
coulometer
coulometric
coulometrically
coulometry
coulter
coulterneb
coulters
coulthard
cou lure
couma
coumalic
coumalin
coumaphos
coumara
coumaran
coumarane
coumarate
coumaric
countability
countable
countableness
countably
countdom
countdown
countdowns
counted
countenance
countenanced
countenancer
countenances
countenancing
counter
counterabut
counteraccusation
counteracquittance
counteract
counteractant
counteracted
counteracter
counteracting
counteractingly
counteraction
counteractions
counteractive
counteractively
counteractivity
counteractor
counteracts
counteraddress
counteradvance
counteradvantage
counteradvice
counteradvise
counteraffirm
counteraffirmation
counteragency
counteragent
counteragitiate
counteragitation
counteralliance
counterambush
counterannouncement
counteranswer
counterappeal
counterappellant
counterapproach
counterbuff
counterbuilding
countercampaign
countercarte
countercathexis
countercause
counterchange
counterchanged
counterchanging
countercharge
countercharged
countercharging
countercharm
countercheck
countercheer
counterclaim
counterclaimant
counterclaimed
counterclaiming
counterclaims
counterclassification
counterclassifications
clockwise
countercolored
countercommand
countercompany
countercompetition
countercomplaint
countercompany
countercondemnation
counterconditioning
counterconquest
counterconversion
countercouchang
counterboup
counterboupe
countercourant
counterbraft
countercriticism
countercross
countercry
counterccultural
couterculture
counterccultures
countercculturist
counterccurrent
counterccurrently
counterccurrentwise
counterdance
counterdash
counterdecision
counterdeclaration
counterdecree
counterdefender
counterdemand
counterdemonstrate
counterdemonstration
counterdemonstrator
counterdeputation
counterdesire
counterdevelopment
counterdifficulty
counterdiggad
counterdike
counterdiscipline
counterdisengage
counterdisengagement
counterdistinct
counterdistinction
counterdistinguish
counterdoctrine
counterdogmatism
counterdraft
counterdrain
counterdrive
counterearth
counter
counterefficiency
countereffort
counterembattled
counterembowed
counterenamel
counterend
counterenergy
counterengagement
counterengine
counterenthusiasm
counterentry
counterequivalent
counterermine
counterespionage
counterestablishment
counterevidence
counterexaggeration
counterexample
counterexamples
counterexcitement
counterexcommunication
counterexercise
counterexplanation
counterexposition
counterexpostulation
counterextend
counterextension
counterfact
counterfactual
counterfactually
counterfallacy
counterfaller
counterfeisance
counterfeit
counterfeited
counterfeiter
counterfeiters
counterfeiting
counterfeitly
counterfeitment
counterfeitness
counterfeits
counterferment
counterfessed
counterfire
counterfix
counterflange
counterflashing
counterfleury
counterflight
counterflory
counterflow
counterflux
counterfoil
counterforce
counterformula
counterfort
counterfugue
countergabble
countergabion
countergage
countergager
countergambit
countergarrison
countergauge
countergauger
countergift
countergirded
counterglow
counterguard
counterguerrilla
counterguerrilla
counterhaft
counterhammering
counterhypothesis
counteridea
counterideal
counterimagination
counterimitate
counterimitation
counterimpulse
counterindentation
counterindented
counterindicate
counterindication
counterindoctrinate
counterindoctrination
counterinfluence
countering
counterinsult
counterinsurgencies
counterinsurgency
counterinsurgent
counterinsurgents
counterintelligence
counterinterest
counterinterpretation
counterintrigue
counterintuitive
counterinvective
counterinvestment
counterion
counterirritant
counterirritate
counterirritation
counterjudging
counterjumper
counterlath
counterlathed
counterlathing
counterlatration
counterlaw
counterleague
counterlegislation
counterlife
counterlight  
counterlighted  
counterlighting  
counterlilit  
counterlit  
counterlocking  
counterlode  
counterlove  
counterly  
countermachination  
countermaid  
counterman  
countermand  
countermandable  
countermanded  
countermanding  
countermands  
countermaneuver  
countermanifesto  
countermanifestoes  
countermarch  
countermarching  
countermark  
countermarriage  
countermeasure  
countermeasure's  
countermeasures  
countermeet  
countermen  
countermessage  
countermigration  
countermine  
countermined  
countermining  
countermissile  
countermission  
countermotion  
countermount  
countermove  
countermoved  
countermovement  
countermoving  
countermure  
countermutiny  
counternaient  
counternarrative  
counternatural  
counternecromancy
counternoise
counternotice
counterobjection
counterobligation
counteroffensive
counteroffensives
counteroffer
counteropening
counteropponent
counteropposite
counterorator
counterorder
counterorganization
counterpause
counterpaled
counterpaly
counterpane
counterpanded
counterpanes
counterparadox
counterparallel
counterparole
counterparry
counterpart
counterpart's
counterparts
counterpassant
counterpassion
counterpenalty
counterpendent
counterpetition
counterphobic
counterpicture
counterpillar
counterplan
counterplay
counterplayer
counterplea
counterplead
counterpleading
counterplease
counterplot
counterplotted
counterplotter
counterplotting
counterpoint
counterpointe
counterpointed
counterpointing
counterpoints
counterpoise
counterpoised
counterpoises
counterpoising
counterpoison
counterpole
counterpoles
counterponderate
counterpose
counterposition
counterposting
counterpotence
counterpotency
counterpotent
counterpractice
counterpray
counterpreach
counterpreparation
counterpressure
counterprick
counterprinciple
counterprocess
counterproductive
counterproductively
counterproductiveness
counterproductivity
counterprogramming
counterproject
counterpronunciamento
counterproof
counterpropaganda
counterpropagandize
counterprophet
counterproposal
counterproposition
counterprotection
counterprotest
counterprove
counterpull
counterpunch
counterpuncher
counterpuncture
counterpush
counterquartered
counterquarterly
counterquery
counterseal
countersecure
countersecurity
counterselection
countersense
counterservice
countershade
countershading
countershaft
countershafting
countershear
countershine
countershock
countershout
counterside
countersiege
countersign
countersignal
countersignature
countersignatures
countersigned
countersigning
countersigns
countersink
countersinking
countersinks
countersleight
counterslope
countersmile
countersnarl
counterspies
counterspy
counterspying
counterstain
counterstamp
counterstand
counterstatant
counterstatement
counterstatute
counterstep
counterstimulate
counterstimulation
counterstimulus
counterstock
counterstratagem
counterstream
counterstrike
counterstroke
counterstruggle
countersubject
countersuggestion
countersuit
countersun
countersunk
countersunken
countersurprise
countersway
counterswing
counterswear
countersympathy
countersynod
countertack
countertail
countertally
countertaste
countertechnicality
countertendencies
countertendency
countertenor
countertenors
counterterm
counterterror
counterterrorism
counterterrorist
countertheme
countertheory
counterthought
counterthreat
counterthrust
counterthwarting
countertierce
countertime
countertouch
countertraction
countertrades
countertransference
countertranslation
countertraverse
countertreason
countertree
countertrench
countertrend
countertrespass
countertrippant
countertripping
countertruth
counterug
counterurn
counterturned
counterotype
countervail
countervailed
countervailing
countervails
countervair
countervairy
countervallation
countervalue
countervaunt
countervene
countervengeance
countervenom
countervibration
counterview
countervindication
countervolution
countervolley
countervote
counterwager
counterwall
counterwarmth
counterwave
counterweigh
counterweighed
counterweighing
counterweight
counterweighted
counterweights
counterwheel
counterwill
counterwilling
counterwind
counterwitness
counterword
counterwork
counterworker
counterworking
counterwrite
countess
countesses
countfish
countian
countians
counties
coupement
coupler
coupleress
couplers
couples
couplet
coupleteer
couplets
coupling
couplings
coupon
coupon's
couponed
couponless
coupons
coups
coupstick
coupure
courage
courageous
courageously
courageousness
courager
courages
courant
courante
courantes
couranto
courantoes
courantos
courants
courap
couratari
courb
courbache
courbaril
courbash
courbe
courbette
courbettes
courche
courge
courgette
courida
courie
courier
courier's
couriers
courtin
courting
courtless
courtlet
courtier
courtliest
courtlike
courtliness
courtling
courtly
courtman
courtroll
courtroom
courtroom's
courtrooms
courts
courtship
courtships
courtside
courty
courtyard
courtyard's
courtyards
courtzilite
couscous
couscouses
couscousou
couseranite
cousin
cousin's
cousinage
cousiness
cousinhood
cousinly
cousinries
cousinry
cousins
cousinship
cousiny
coussinet
coustumier
couteau
couteaux
coutel
coutelle
couter
couters
covert
covertical
covertly
coverness
covers
coverure
coverup
coverups
coves
covet
covetable
coveted
coveter
coveters
coveting
covetingly
covetise
covetiveness
covetous
covetously
covetousness
covets
covey
coveys
covibrate
covibration
covid
covid
covillager
covin
covine
coving
covings
covinous
covinously
covisit
covisitor
covite
covolume
covotary
cow
cowage
cowages
cowal
cowan
coward
cowardice
cowardish
cowardliness
cowardly
cowardness
cowards
cowardly
cowbane
cowbanes
cowbarn
cowbell
cowbells
cowberries
cowberry
cowbind
cowbinds
cowbird
cowbirds
cowboy
cowboy's
cowboys
cowbrute
cowbyre
cowcatcher
cowcatchers
cowdie
cowed
cowedly
cween
cower
cowered
cowerer
cowerers
cowering
coweringly
cowers
cowfish
cowfishes
cowgate
cowgirl
cowgirls
cowgram
cowgrass
cowhage
cowhages
cowhand
cowhands
cowheart
cowhearted
cowheel
cowherb
cowherbs
cowherd
cowherds
cowhide
cowhided
cowhides
cowhiding
cowhorn
cowhouse
cowier
cowiest
cowling
cowinner
cowinners
cowish
cowishness
cowitch
cowk
cowkeeper
cowkine
cowl
cowle
cowled
cowleech
cowleeching
cowlick
cowlicks
cowlike
cowling
cowlings
cowls
cowlstaff
cowman
cowmen
cowworker
cowworkers
cowworking
cowpat
cowpath
cowpats
cowpea
cowpeas
cowpen
cowper
cowperian
cowperitis
cowpock
coxarthroce
coxarthropathy
coxbones
coxcomb
coxcombess
coxcombhood
coxcombical
coxcombicality
coxcombically
coxcombity
coxcombrics
coxcombr
coxcombs
coxcomby
coxcomical
coxcomically
coxed
coxendix
coxes
coxier
coxiest
coxing
coxite
coxitis
coxecerite
coxeceritic
coxodynia
coxofemoral
coxopodite
coxswain
coxswained
coxswaining
coxswains
coxwain
coxwaining
coxwains
coxxy
coy
coyan
coydog
coyed
coyer
coyest
coying
coyish
coyishness
coyly
crabsidle
crabstiek
crabut

Open Source Used In CSPC_Collector 2.9.1 11057
crackpots
crackpottedness
crackrope
cracks
crackskull
cracksman
cracksmen
crackup
crackups
cracky
cracovienne
cracowe
craddy
cradge
cradle
cradleboard
cradlechild
cradled
cradlefellow
cradleland
cradlelike
cradlemaker
cradlemaking
cradleman
cradlemate
cradlemen
cradler
cradlers
cradles
cradleside
cradlesong
cradlesongs
cradletime
cradling
craft
crafted
crafter
craftier
craftiest
craftily
craftiness
crafting
craftless
craftily
craftmanship
crafts
craftsman
craftsmanlike
craftsmenly
craftsmanship
craftsmaster
craftsmen
craftspeople
craftsperson
craftswoman
craftwork
craftworker
crafty
crag
crag's
craggan
cragged
craggedly
craggedness
craggier
craggiest
craggily
cragginess
craggy
craglike
crags
cragsman
cragsmen
cragwork
craicy
craie
craig
craighle
craigmontite
craik
crain
craisey
craizey
crajuru
crake
craked
crackfeet
craker
crakes
craking
crakow
cram
cramasie
crambambulee
crambambuli
crambe
cranberry
crambes
crambid
cramble
crambly
crambo
cramboes
cramhos
cramel
crammed
crammel
crammer
crammers
cramming
crammingly
cramoisie
cramoisies
cramoisy
crimp
cramp's
crampbit
cramped
crampedness
crampers
crampet
crampette
crampfish
crampishes
cramping
crampingly
crampish
crampit
crampits
crampon
cramponnee
crampons
crampoon
crampoons
cramps
crampy
crams
cran
cranage
cranberries
cranberry
cranberry's
crance
crancelin
cranch
cranched
cranches
cranching
crandall
crandallite
crane
crane's
cranebill
craned
cranelike
cranely
craneman
cranemanship
cranemen
craner
cranes
cranesbill
cranesman
cranet
craneway
craney
crang
crania
craniacromial
craniad
cranial
cranially
cranian
craniata
craniate
craniates
cranic
cranectomy
craning
craninia
craninquisitions
craniocele
craniocerebral
cranioalasis
cranioclasm
cranioclast
cranioclasty
craniodidymus
craniofacial
cranigonomic
cranigonomy
cranignosy
craniograph
craniographer
craniography
craniod
cranial
craniological
cranio logically
craniologist
craniology
craniom
craniomalacia
craniomaxillary
craniometer
craniometric
craniometrical
craniometrically
craniometrist
craniometry
craniopagous
craniopathic
craniopathy
craniopharyngeal
craniopharyngioma
craniophore
cranioplasty
craniopuncture
craniorrhachischisis
craniosacral
cranioschisis
cranioscopical
cranioscopist
cranioscopy
craniospinal
craniostenosis
craniostosis
craniotabes
craniotome
craniotomies
craniotomy
craniotopography
craniotympanic
craniovertebral
cranium
craniums
crank
crankbird
crankcase
crany
crap
crapaud
crapaudine
crape
craped
crapefish
crapehanger
crapelike
crapes
crapette
craping
crapon
crapped
crapper
crappers
crappie
crappier
crappies
crappiest
crappin
crappiness
crapping
crapple
crappo
crappy
craps
crapshooter
crapshooters
crapshooting
crapula
crapulate
crapulence
crapulency
crapulent
crapulous
crapulously
crapulousness
crapwa
crapy
craquelure
craquelures
crare
crases
crash
crashed
crasher
crashers
crashes
crashing
crashingly
crashproof
crashworthiness
crashworthy
crasis
crasedal
crasedomous
crasedon
crasedotal
crasedote
crasedum
crass
crassament
crassamentum
crasser
crassest
crassier
crassilingual
crassis
crassities
crassitude
crassly
crassness
crassula
crassulaceous
cratch
cratchens
cratches
cratchins
crate
crated
crateful
cratemaker
cratemaking
cratevan
cratemen
crater
crateral
cratered
crateriform
cratering
crateris
craterkin
craterless
craterlet
craterlike
craterous
craters
crates
craticular
crating
cratometer
cratometric
cratometry
craton
cratonic
cratons
cratsmanship
craunch
craunched
craunches
craunching
craunchingly
crat
crawat
crat's
cravats
cravatted
cratatting
crave
craved
craven
cravened
cravenette
cravenhearted
cravening
cravenly
cravenness
cravens
craver
cravers
craves
craving
cravingly
cravingness
cravings
cravo
craw
crawberry
crawdad
crawdads
crawfish
crawfished
crawfishes
crawfishing
craziness
crazing
crazingmill
crazy
crazycat
crazyweed
crc
crcao
crche
cre
crea
creagh
creaky
cread
creaht
creak
creaked
creaker
creakier
creakiest
creakily
creakiness
creaking
creakingly
creaks
creaky
cream
creambush
creamcake
creamcup
creamcups
creamed
creamer
creameries
creamers
creamery
creameryman
creamerymen
creamfruit
creamier
creamiest
creamily
creaminess
creaming
creamlaid
creamless
creamlike
creammaker
creammaking
creamometer
creams
creamsacs
creamware
creamy
crance
craencer
craent
crase
creased
creon
creaseless
creaser
creasers
creas
creashaks
creasier
creasiest
creasing
creasol
creasot
creasy
creat
creatable
creat
creat
creat
creat
creat
creat
creat
creat
creat
creat
creat
creat
creat
creat
creat
creat
creat
creat
creat
creat
creat
creat
crea
creatively
creativeness
creativity
creatophagous
creator
creator's
creatorhood
creatorrhea
creators
creatorship
creatotoxicism
creatress
creatrix
creatural
creature
creature's
creaturehood
creatureless
creatureliness
creatureling
creaturely
creatures
creatureship
creaturize
creaze
crebricostate
crebrisulcate
crebrity
crebrous
creche
creches
creda
credal
creddock
credence
credences
credencive
credenciveness
credenda
credendum
credens
credensive
credensiveness
credent
credential
credential
credentialled
credentialism
credentials
credently
credenza
credenzas
credere
credibilities
credibility
credibile
credibleness
credibly
credit
creditabilities
creditability
creditable
creditableness
creditably
credited
crediting
creditive
creditless
creditor
creditor's
creditors
creditorship
creditress
creditrix
credits
crednerite
credo
credos
credulities
credulity
credulous
credulously
credulousness
cree
creed
creed's
creedal
creedalism
creedalist
creedbound
creeded
creedist
creedite
creedless
creedlessness
creedmore
creeds
cremains
cremant
cremaster
cremasterial
cremasteric
cremate
cremated
cremates
cremating
cremation
cremationism
cremationist
cremations
cremator
crematoria
crematorial
crematories
crematoriria
crematoririums
crematorium
crematoriums
cremators
crematory
crembalum
creme
cremerie
cremes
cremnophobia
cremocarp
cremometer
crema
cremona
cremone
cremor
cremorne
cremosin
cremule
crena
crenae
crenallation
crenate
crenated
crenately
crenation
crenature
crenel
crenelate
crenelated
crenelates
crenelating
crenelation
crenelations
crenele
creneled
crenelee
crenelet
creneling
crenellate
crenellated
crenellating
crenellations
crenelle
crenelled
crenelles
crenelling
crenels
crengle
crenic
crenitic
crenology
crenotherapy
crenula
crenulate
crenulated
crenulation
creodont
creodonts
creole
creoleize
creoles
creolian
creolism
creolite
creolization
creolize
creolized
creolizing
creopathia
creopathia
creopathism
creopathist
creopathous
creophagy
creosol
creosols
creosote
creosoted
creosoter
creosotes
crescotic
cresosoting
crepance
crepe
creped
crepehanger
crepeier
crepeiest
crepes
crepey
creped
crepidoma
crepidomata
crepi
crepiest
crepine
crepiness
creping
crepis
crepitacula
crepitaculum
crepitant
crepitate
crepitated
crepitating
crepitation
crepitous
creptus
crepy
creply
creon
crept
crepuscle
crepuscular
crepuscule
crepusculeline
crepusculenum
crepy
cres
cresamine
cresc
crescence
crescendi
crescendo
crescendoed
crescendoing
crescendos
crescent
crescent's
crescentade
cresentader
crescented
crescentic
crescentiform
crescenting
crescentlike
crescentoid
crescents
crescentwise
crescive
crescively
crescograph
crescographic
cresegol
cresive
cresol
cresolin
cresoline
cresols
cresorcin
cresorcinol
cresotate
cresotic
cresotinate
cresotinic
cresoxide
cresoxy
cresphontes
cress
cressed
cresselle
cresses
cresset
cressets
cressida
cressier
cressiest
cresson
cressweed
cresswort
cressy
crest
crestal
crested
crestfallen
crestfallenly
criminology
criminosis
criminous
criminously
criminousness
crimson
crimmer
crimmers
crimmy
crimogenic
crimp
crimpage
crimped
crimper
crimpers
crimpier
crimpiest
crimpiness
crimping
crimple
crimpled
crimples
crimping
crimpness
cramps
crimpy
crimson
crimsoned
crimsoning
crimsonly
crimsonness
crimsons
crimsony
crin
crinal
cринанит
кринать
crinated
ринатор
crinch
crine
кринет
кринет
крингел
крингер
crispiness
crisping
crispins
crisply
crispness
crisps
crispy
criss
crissa
crissal
crisscross
crisscrossed
crisscrosses
crisscrossing
crisset
crissum
crista
cristae
cristate
cristated
cristiform
cristobalite
cristy
crit
critch
critchfield
criteria
criteriia
criterions
criteriology
criterion
criterional
criterions
criterium
crith
crithmene
crithomanacy
critic
critic's
critical
criticality
critically
criticalness
criticaster
criticasterism
cricastry
criticisable
criticise
crocodiles
crocodilian
crocodiline
crocodilite
crocodility
crocodiloid
crocoische
crocoite
crocoites
croconate
croconic
crocus
crocused
crocuses
crocusta
croft
crofter
crofterization
crofterize
crofters
crofting
croftland
crofts
croh
croghle
croikh
croik
crois
croisad
croisade
croisard
croise
croisee
croises
croisette
croissant
croissante
croissants
crojack
crojik
crojiks
croker
cromaltite
crombec
crome
cromfordite
cromlech
cromlechs
cromme
crosslet
crossleted
crosslets
crossley
crosslight
crosslighted
crosslike
crossline
crosslink
crossly
crossness
crossopodia
crossopt
crossopterygian
crossosomataceous
crossover
crossover's
crossovers
crosspatch
crosspatches
crosspath
crosspiece
crosspieces
crosspoint
crosspoints
crosspost
crossrail
crossroad
crossroaded
crossroads
crossrow
crossruff
crostit
crosstalk
crosstie
crosstied
crossties
crosstoes
crosstown
crosstrack
crosstree
crosstrees
crosswalk
crosswalks
crossway
crossways
crossweb
crossweed
crosswind
crosswise
crosswiseness
crossword
crossword's
crossworder
crosswords
crosswort
crost
crostarie
crotal
crotalaria
crotalic
crotalid
crotaliform
crotalin
crotaline
crotalism
crotalo
crotaloid
crotalam
crotalus
crotaphic
crotaphion
crotaphite
crotaphitic
crotch
crotcheted
crotchets
crotchet
crotcheted
crotcheteer
crotchetiness
crotcheting
crotchets
crotchety
crotching
crotchwood
crotchy
crotesco
crotin
crotion
crotionaldehyde
crotonate
crotonbug
crotonic
crotonization
crotons
crowberry
crowbill
crowboot
crowd
crowded
crowdedly
crowdedness
crowder
crowders
crowdie
crowdies
crowding
crowdle
crowds
crowdweed
crowdy
crowed
crower
crowers
crowfeet
crowflower
crowfoot
crowfooted
crowfoots
crowhop
crowhopper
crowing
crowingly
crowkeeper
crowl
crown
crownal
crownation
crownband
crownbeard
crownbapping
crowncapping
crowned
crowner
crowners
crownet
crownets
crowning
crownland
crownless
crownlet
crownlike
crowning
crownmaker
crownment
crownpiece
crowns
crownwork
crownwort
crows
crowshay
crowstep
crowstepped
crowsteps
crowstick
crowstone
crowtoe
croy
croyden
croydon
croyl
croze
crozed
crozer
crozers
crozes
crozier
croziers
crozing
crozzle
crozzly
crpe
crs
crts
cru
crub
crbeen
crue
cruces
crucethouse
cuche
crucial
cruciality
crucially
crucialness
crucian
crucians
cruciate
cruciated
cruciating
crumliest
crumbliness
crumbling
crumblingness
crumblings
crumbly
crumbs
crumbum
crummy

Open Source Used In CSPC_Collector 2.9.1 11099
crunchily
crunchiness
crunching
crunchingly
crunchingness
crushweed
crunchy
crunk
crunke
crunodal
crunode
crunodes
crunt
cruor
cruorin
cruors
crup
cruppen
crupper
cruppered
cruppering
crappers
crura
crural
crureus
crurogenital
cruroinguinal
crurotarsal
crus
crusade
crusaded
crusader
crusaders
crusades
crusading
crusado
crusadoes
crusados
cruse
cruses
cruset
crusets
crush
crushability
crushable
crushableness
crushed
crusher
cryogeny
cryohydrate
cryohydric
cryolite
cryolites
cryological
cryology
cryometer
cryometry
cyonic
cyronics
cyopathy
cyophile
cyophilic
cyophoric
cyophorous
cyophyllite
cyophyte
cyoplankton
cyoprobe
cyoprotective
cyroscope
cyoscopic
cyroscopies
cyroscopy
cryosel
cryosphere
cryospheric
cryostase
cryostat
cryostats
cryosurgeon
cryosurgery
cryosurgical
cryotherapies
cryotherapy
cryotron
cryotrons
crypt
crypta
cryptaesthesia
cryptal
cryptamnesia
cryptamnesic
cryptanalysis
cryptanalyst
cryptanalytic
cryptanalytical
cryptanalytically
cryptanalytics
cryptanalyze
cryptanalyzed
cryptanalyzing
cryptarch
cryptarchy
crypted
cryptesthesia
cryptesthetic
cryptic
cryptical
cryptically
crypticness
crypto
cryptoagnostic
cryptoanalysis
cryptoanalyst
cryptoanalytic
cryptoanalytically
cryptoanalytics
cryptobatholithic
cryptobranch
cryptobranchiate
cryptocarp
cryptocarpic
cryptocarpous
cryptcephalous
cryptocerous
cryptelastic
cryptoclimate
cryptoclimatology
cryptococcal
cryptococci
cryptococcic
cryptococcic

cryptococcosis

cryptococcus

cryptocommercial
cryptocrystalline
cryptocrystallization
cryptodeist
cryptodiran
cryptodire
cryptodirous
cryptodouble
cryptodynamic
cryptogam
cryptogame
cryptogamia
cryptogamian
cryptogamic
cryptogamical
cryptogamist
cryptogamous
cryptogamy
cryptogenetic
cryptogenic
cryptogenous
cryptoglioma
cryptogram
cryptogrammatic
cryptogrammatical
cryptogrammatist
cryptogrammic
cryptograms
cryptograph
cryptographal
cryptographer
cryptographers
cryptographic
cryptographical
cryptographically
cryptographist
cryptography
cryptoheresy
cryptoheretic
cryptoinflationist
cryptolite
cryptolith
cryptologic
cryptological
cryptologist
cryptology
cryptolunatic
cryptomere
cryptomeria
cryptomerous
cryptometer
cryptomnesia
cryptomnesic
cryptomonad
cryptonema
cryptoneurous
cryptonym
cryptonymic
cryptonymous
crystallomagnetic
crystallomancy
crystallometric
crystallometry
crystallophobia
crystallohyllian
crystallose
crystallurgy
crystals
crystalwort
cryste
crystic
crystograph
crystoleum
crystophene
crzette
cs
csardas
csc
csch
csect
csects
csi
csk
csmp
csnet
csp
cst
csw
cct
cete
cetelette
ctene
ctenidia
ctenidial
ctenidium
cteniform
ctenii
cteninidia
ctenizid
ctenocyst
ctenodactyl
ctenodont
ctenoid
ctenoidean
ctenoidian
ctenolium
ctenophora
ctenophoral
cntenophora
ctenophore
cntenophoric
cntenophorous
cntenostomatous
cntenostome
cntenology
ctf
ctg
cdge
cctimo
ctn
ctno
cctt
cctrl
ccts
cu
cuadrada
cuadrilla
cuadrillas
cuadrillero
cuamuchil

cuapinole
cuarenta
cuarta
cuartel
cuarteron
cuartilla
cuartillo
cuartino
cuarto
cub
cub's
cuba
cubage
cubages
cubalaya
cuban
cubane
cubangle
cubanite
cubans
cubas
cubation
cubatory
cubature
cubatures
cubbies
cubbing
cubbish
cubbishly
cubbishness
cubby
cubbyhole
cubbyholes
cubbyhouse
cubbyu
cubbyyew
cubdom
cube
cubeb
cubebs
cubed
cubehead
cubelet
cuber
cubera
cubers
cubes
cubhood
cubi
cubic
cubica
cubical
cubically
cubicalness
cubicities
cubicity
cubicle
cubicles
cubicly
cubicone
cubiccontravariant
cubiccovariant
cubics
cubicula
cubicular
cubiculary
cubiculay
cubiculo
cubiculum
cubiform
cubing
cubism
cubisms
cubist
cubistic
cubistically
cubists
cubit

cubital

cubitale

cubitalia

cubited

cubiti
cubitiere
cubito
cubitocarpal
cubitocutaneous
cubitodigital
cubitometacarpal
cubitopalmar
cubitoplantar
cubitoradial
cubits

cubitus
cubla
cubmaster
cubocalcaneal
cuboctahedron
cubocube
cubocuneiform
cubododecahedral
cuboid
cuboidal
cuboides
cuboids
cubomancy

cubomedusan
cubometatarsal
cubonaviculcar
cubs
cubti
cuca
cucaracha
cuchia

cuck

cuckhold

cucking

cuckold
cuckolded
cuckolding
cuckoldize
cuckoldly
cuckoldom
cuckoldry
cuckolds
cuckoldy
cuckoo
cuckoo's
cuckooed
cuckooed
cuckooflower
cuckooing
cuckoomaid
cuckoomaiden
cuckoomate
cuckoopint
cuckoopintle
cuckoons
cuckquean
cuckstool
cucoline
cucularis
cucule
cuculiform
cuculine
cuculla
cucullaris
cucullate
cucullated
cucullately
cuculle
cuculliform
cucullus
cuculoid
cucumber
cucumber's
cucumbers
cucumiform
cucupha
curb
cucurb
cucurbit

cucurbaceous

cucurbital
cucurbite
cucurbite

cucurbits
cucuy
cucuyo
cud
cuda
cudava
cudbear
cudbears
cudden
cuddie
cuddies
cuddle
cuddleable
cuddled
cuddles
cuddlesome
cuddler
cuddliest
cuddling
cuddly
cuddy
cuddyhole
cudeigh
cudgel
cudgel's
cudgelied
cudgeler
cudgelers
cudgeling
cudgelled
cudgeller
cudgelling
cudgels
cudgerie
cuds
cudweed
cudweeds
cudwort
cue
cueball
cueca
cuecas
cued
cueing
cueist
cueman
cuemanship
cuemen
cuerda
cuerpo
cues
cuesta
cuestas
cuff
cuff's
cuffed
cuffer
cuffin
cuffing
cuffle
cuffless
cufflink
cufflinks
cuffs
cuffy
cuffyism
cufic
cuggermugger
cuichunchulli
cuidado
cuijo
cuijos
cui
cuifs
cuinage
cuinfo
cuing
cuir
cuirass
cuirassed
cuirasses
cuirassier
cuirassing
cuirie
cuish
cuishes
cuisinary
cuisine
cuisines
cuisinier
cuisard
cuissart
cuisse
cuisseen
cuissses
cuissten
cuit
cuitle
cuittled
cuitting
cuittikin
cuittle
cuilled
cuittles
cuittling
cuj
cuke
cukes
cul
culation
culbert
culbut
culbute
culbuter
culch
culches
culdee
culebra
culerage
culet
culets
culett
culeus
culex
culgee
culices
culcid
culcidal
culicide
culcides
culiciform
culicifugal
culicifuge
culicine
culicines
culilawan
culinarian
culinarily
culinary
cull
culla
cullage
cullas
cullay
cullays
culled
cullender
culler
cullers
cullet
cullets
cullibility
cullible
cullied
cullies
culling
cullion
cullionly
cullionry
cullions
cullis
cullisance
cullises
culls
cully
cullying
culf
culmed
culmen
culmicolous
culmiferous
culmigenous
culminal
culminant
culminate
culminated
culminates
culminating
culmination
culminations
culminative
culming
culms
culmy
culot
culotte
culottes
culottic
culottism
culp
culpa
culpabilis
culpability
culpable
culpableness
culpably
culpae
culpas
culpate
culpatory
culpeo
culpon
culpose
culprit
culprit's
culpits
culrage
culsdesac
cult
cult's
cultch
cultches
cultellation
cultelli
cultellus
culter
culteranismo
culti
cultic
cultigen
cultigens
cultirostral
cultish
cultism
cultismo
cultisms
cultist
cultistic
cultists
cultivability
cultivable
cultivably
cultivar
cultivars
cultivatability
cultivatable
cultivate
cultivated
cultivates
cultivating
cultivation
cultivations
cultivative
cultivator
cultivator's
cultivators
cultive
cultrate
cultrated
cultriform
cultrirostral
cults
culttelli
cultural
culturable
cultural
culturalist
culturally
culture
cultured
cultureless
cultures
culturine
culturing
culturist
culturization
culturize
culturological
culturologically
culturologist
culturology
cultus
cultuses
culver
culverfoot
culverhouse
culverin
culverineer
culveriner
culverins
culverkey
culverkeys
culvers
culvert
culvertage
culverts
culverwort
cum
cumacean
cumaceous
cumal
cumaldehyde
cumaphyte
cumaphytic
cuminyl
cumly
cummer
cummerbund
cummerbunds
cummers
cummin
cumminingtonite
cummins
cummock
cumol
cump
cumquat
cumquats
cumsha
cumshaw
cumshaws
cumulant
cumular
cumulate
cumulated
cumulately
cumulates
cumulating
cumulation
cumulatist
cumulative
cumulatively
cumulativeness
cumulene
cumulet
cumuli
cumuliform
cumulite
cumulocirrus
cumulonimbus
cumulophyric
cumulose
cumulostratus
cumulous
cumulus
cumyl
cun
cunabula
cunabular
cunctionation
cunctatious
cunctative
cunctator
cunctatorship
cunctatory
cunctatury
cunctipotent
cund
cundeamor
cundite
cundum
cundums
cundurango
cundy
cunea
cuneal
cuneate
cuneated
cuneately
cuneatic
cuneator
cunei
cuneiform
cuneiformist
cunenei
cuneocuboid
cuneonaviccular
cuneoscaphoid
cunette
cuneus
cungeboi
cungevoi
cunicular
cuniculi
cuniculus
cuniform
cuniforms
cunila
cunili
cunit
cunjah
cunjer
cunjevoi
cunner
cunners
cunni
cunnilinctus
cunnilinguism
cunnilingus
cunning
cunningaire
cunninger
cunningest
cunningly
cunningness
cunnings
cunny
cunoniaeous
cunt
cunts
cunye
cunyie
cunzie
cuorin
cup
cup's
cupay
cupbearer
cupbearers
cupboard
cupboard's
cupboards
cupcake
cupcakes
cupel
cupeled
cupeler
cupelers
cupeling
cupellation
cupelled
cupeller
cupellers
cupelling
cupels
cupflower
cupful
cupfulfuls
cupfuls
cuphead
cupholder
cupid
cupidinous
cupidities
cupidity
cupidon
cupidone
cupids
cuiuba
cupless
cuplike
cupmaker
cupmaking
cupman
cupmate
cupola
cupolaed
cupolaing
cupolaman
cupolar
cupolas
cupolated
cuppa
cuppas
cupped
cuppen
cupper
cuppers
cuppier
cuppiest
cuppin
cupping
cuppings
cuppy
cuprammonia
cuprammonium
cuprate
cuprein
cupreine
cuprene
cupreous
cupressineous
cupric
cupride
cupriferous
cuprite
cuprites
cuproammonium
cuprobismutite
cuprocyandie
cuprodescloizite
cuproid
cuproiodargyrite
cupromanganese
cupronickel
cuproplumbite
cuproscheelite
cuprose
cuprosilicon
cuprotungstite
cuprous
cuprum
cuprums
cups
cupseed
cupsful
cupstone
cupula
cupulae
cupular
cupulate
cupule
cupules
cupuliferous
cupuliform
cur
cura
curability
curable
curableness
curably
curacao
curacaos
curace
curacies
curacoa
curacoas
curacy
curage
curagh
curaghs
curara
curaras
curare
curares
curari
curarine
curarines
curaris
curarization
curarize
curarized
curarizes
curarizing
curassow
curassows
curat
curatage
curate
curatel
curates
curateship
curatess
curatial
curatic
curatical
curation
curative
curatively
curativeness
curatives
curatize
curatolatry
curator
curatorial
curatorium
curators
curatorship
curatory
curatrices
curatrix
curb
curbable
curbash
curbed
curber
curbers
curbing
curbings
curbless
curblike
curbline
curbs
curbside
curbstone
curbstoner
curbstones
curby
curcas
curch
curchef
curches
curfews
curfs
curia
curiae
curiage
curial
curiagnosis
curialist
curialistic
curiations
curiativity
curiam
curiara
curiate
curiboca
curie
curiogram
curies
curiescopy
curiet
curietherapy
curin
curine
curing
curio
curiolofic
curiologic
curiological
curiologically
curiologics
curiology
curiomaniac
curios
curiosa
curiosi
curiosties
curiocity
curiocity's
curioso
curiosos
curious
curiouser
curiosest
curiously
curiousness
curiousnesses
curite
curites
curpin
curple
curr
currach
currachs
currack
curragh
curraghs
currajong
curran
currance
currane
currans
current
currant
currant's
currants
curranttworm
curratow
currawang
currawong
curred
currencies
currency
currency’s
current
currently
currentness
currents
currentwise
curricula
curricla
curricule
curricled
curricles
curricling
curricula
curricular
curricularization
curricularize
curriculum
curriculum’s
curriculums
currie
curried
currier
currieries
curriers
curriery
curries
curtsied
curtsies
curtsy
curtsy's
curtsying
cura
curuba
curucucu
curucui
curule
curupay
curupays
curupey
cururo
cururos
curvaceous
curvaceously
curvaceousness
curvacious
curval
curvant
curvate
curvated
curvation
curvative
curvature
curvatures
curve
curveball
curved
curvedly
curvedness
curver
curves
curvesome
curvesomeness
curvet
curveted
curvetedly
curvetting
curves
curvette
curvetted
curvetting
curvey
curvicaudate
curvicostate
curvidentate
curvier
cuticles
cuticolor
cuticula
cuticulae
cuticular
cuticularization
cuticularize
cuticulate
cutidure
cutiduris
cutie
cuties
cutification
cutify
cutigeral
cutikin
cutin
cutinisation
cutinise
cutinised
cutinis
cutinising
cutinization
cutinize
cutinized
cutinizes
cutinizing
cutins
cutireaction
cutis
cutisector
cutises
cutitis
cutization
cutlas
cutlases
cutlash
cutlass
cutlasses
cutlassfish
cutlassishes
cutler
cutleress
cutleriaceous
cutleries
cutlers
cutlery
cutlet
cyanean
cyanemia
cyaneous
cyanephidrosis
cyanformate
cyanformic
cyanhidrosis
cyanhydrate
cyanhydric
cyanhydrin
cyanic
cyanicide
cyanid
cyanidation
cyanide
cyanided
cyanides
cyanidin
cyanidine
cyaniding
cyanidrosis
cyanids
cyanimide
cyanin
cyanine
cyanines
cyanins
cyanite
cyanites
cyanitic
cyanize
cyanized
cyanizing
cyanmethemoglobin
cyano
cyanoacetate
cyanoacetic
cyanoacrylate
cyanoaurate
cyanoauric
cyanobenzene
cyanocarbonic
cyanochlorous
cyanochroia
cyanochroic
cyanocobalamin
cyanocobalamine
cyanocrystallin
cyanoderma
cyanoethylate
cyanoethylation
cyanogen
cyanogenamide
cyanogenesis
cyanogenetic
cyanogenic
cyanogens
cyanoguanidine
cyanohemerdin
cyanohydridin
cyanol
cyanele
cyanoamaclurin
cyanometer
cyanomethaemoglobin
cyanomethemoglobin
cyanometric
cyanometries
cyanometry
cyanopathic
cyanopathy
cyanophil
cyanophile
cyanophilous
cyanophoric
cyanophose
cyanophycean
cyanophyceous
cyanophycin
cyanopia
cyanoplastid
cyanoplatinite
cyanoplatinous
cyanopsia
cyanose
cyanosed
cyanoses
cyanosis
cyanosite
cyanotic
cyanotrichite
cyanotype
cyans
cyanuramidc
cyanurate
cyanuret
cyanuric
cyanurin
cyanurine
cyanus
cyaphenine
cyath
cyatheaceous
cyathi
cyathia
cyathiform
cyathium
cyathoid
cyatholith
cyathophylline
cyathophyllloid
cyathos
cyathozooid
cyathus
cybele
cybercultural
cyberculture
cybermate
cybernated
cybernating
cybernation
cybernetic
cybernetical
cybernetically
cybernetician
cyberneticist
cyberneticists
cybernetics
cybernion
cyborg
cyborgs
cyc
cycad
cycadaceous
cycadean
cycadeoid
cycadeous
cycadiform
cycadite
cycadlike
cycadofilicale
cycadofilicales
cycadofilicinean
cycadophyte
cycads
cycas
cycases
cycasin
cycasins
cycl
cyclades
cyclamate
cyclamates
cyclamen
cyclamens
cyclamin
cyclamine
cyclammonium
cyclane
cyclanthaceous
cyclar
cyclarthrodial
cyclarthrosis
cyclarthrsis
cyclas
cyclase
cyclases
cyclazocine
cycle
cyclecar
cyclecars
cycled
cycledom
cyclene
cycler
cyclers
cycles
cyclesmith
cyclian
cyclic
cyclical
cyclicality
cyclically
cyclicalness
cyclicism
cyclicity
cyclicy
cyclide
cycleindroid
cycling
cyclings
cyclism
cyclist
cyclistic
cyclists
cyclitic
cyclitis
cyclitol
cyclitols
cyclization
cyclize
cyclized
cyclizes
cyclizing
cyclo
cycloacetylene
cycloaddition
cycloaliphatic
cycloalkane
cyclobutane
cyclocephaly
cyclocoelic
cyclocoelous
cyclode
cyclodiene
cyclodiolefin
cyclodiolefine
cycloganoid
cyclogenesis
cyclogram
cyclograph
cyclographer
cycloheptane
cycloheptanone
cyclohexadienyl
cyclohexane
cyclohexanol
cyclohexanone
cyclohexatriene
cyclohexene
cycloheximide
cyclohexyl
cyclohexylamine
cycloid
cycloid's
cycloidal
cycloidally
cycloidean
cycloidian
cycloidotrope
cycloids
cyclolith
cyclolysis
cyclomania
cyclometer
cyclometers
cyclometric
cyclometrical
cyclometries
cyclometry
cyclomyarian
cyclonal
cyclone
cyclone's
cyclones
cyclonic
cyclonical
cyclonically
cyclonist
cyclonite
cyclonologist
cyclonology
cyclometer
cyclonoscope
cycloolefin
cycloolefine
cycloolefinic
cyclop
cyclopaedia
cyclopaedias
cyclopaedic
cyclopaedically
cyclopaedist
cycloparaffin
cyclope
cyclopean
cyclopedia
cyclopedias
cyclopedic
cyclopedical
cyclopedically
cyclopedist
cyclopentadiene
cyclopentane
cyclopentanone
cyclopentene
cyclopes
cyclophoria
cyclophoric

cyclophosphamide

cyclophrenia

cyclopecia

cycloptic

cycloplasm

cyclopide

cycloplegia

cycloplegic

cyclopoid

cyclopropane

cyclops

cyclopterid

cyclopterous

cyclopy

cyclorama

cycloramas

cycloramic

cyclorrhaphous

cyclos

cycloscope

cycle

cycloserine

cycloses

cyclosilicate

cyclosis

cyclospermous

cyclospondylie

cyclospodylous

cyclosporous

cyclostomate

cyclostomatous

cyclostome

cyclostomous

cyclostraergic

cyclostylar

cyclostyle

cyclothem

cyclothure

cyclothurine

cyclothyca

cyclothymia

cyclothymiac

cyclothymic

cyclothomies

cyclootomy
cyclotrimethylenetrinitramine
cyclotron
cyclotrons
cyclovertebral
cyclus
cyder
cyders
cydippe
cydippian
cydippid
cydon
cydonium
eyeses
eyesiology
eyesis
cyetic
cygneous
cygnet
cygnets
cygnine
cygnus
cyke
cyl
cyllices
cylinder
cylinder's
cylindered
cylinderer
cylindering
cylinderlike
cylinders
cylindrical
cylindricality
cylindrically
cylindricalness
cylindricity
cylindricule
cylindriform
cylindrite
cylindrocellular
cylindrocephalic
cylindroconical
cylindroconoidal

cylindrocyldndric

cylindrodendrite

cylindrograph

cylindroid

cylindroidal

cylindroma

cylindromata

cylindromatous

cylindrometric

cylindroogival

cylindruria

cylix

cylloses

cyllosis

cyma

cymae

cymagraph

cymaise

cymaphen

cymaphyte

cymaphytic

cymaphytism

cymar

cymarin

cymarose

cymars

cymas

cymatia

cymation

cymatium

cymba

cymbaeform

cymbal

cymbal's

cymbaled

cymbaleer

cymbaler

cymbalers

cymbaline

cymbalist

cymbalists

cymballed

cymballike

cymballing

cymbalo

cymbalon
cymbals
cymbate
cymbel
cymbid
cymbidium
cymbiform
cymbolin
cymbling
cymblings
cymbocephalic
cymbocephalous
cymbocephaly
cyme
cymelet
cymene
cymenes
cymes
cymiferous
cymlin
cymling
cymlings
cymlins
cymobotryose
cymogene
cymogenes
cymograph
cymographic
cymoid
cymol
cymols
cymometer
cymophane
cymophonous
cymophenol
cymophobia
cymoscope
cymose
cymosely
cymotrichous
cymotrichy
cymous
cymric
cymrite
cymry
cymtia
cymule
cymulose
cynanche
cynanthropy
cynaraceous
cynarctomachy
cynareous
cynaroid
cynebot
cynegetic
cynegetics
cynegild
cyghanedd
cynhyena
cyniatria
cyniatrics
cynic
cynical
cynically
cynicalness
cynicism
cynicisms
cynicist
cynics
cynipid
cynipidous
cynipoid
cynips
cynism
cynocephalic
cynocephalous
cynocephalus
cynoclept
cynocrambaceous
cynodictis
cynodon
cynodont
cynogenealogist
cynogenealogy
cynography
cynoid
cynology
cynomolgus
cynomoriaceous
cynomorphic
cynomorphous
cynophile
cynophilic
cynophilist
cynophobe
cynophobia
cynopithecoid
cynopodous
cynorrhoda
cynorrhodon
cynosural
cynosure
cynosures
cynotherapy
cynthia
cyp
cyperaceous
cyperus
cyphella
cyphellae
cyphellate
cypher
cyphered
cyphering
cyphers
cyphonautes
cyphonism
cyphosis
cyprea
cypreac
cypreaciform
cypreacoid
cyre
cypres
cypreses
cypress
cypressed
cypressses
cypressroot
cyprian
cyprians
cyprid
cypridinoid
cyprine
cyprinid
cyprinids
cypriniform
cyprinin
cyprinine
cyprinodont
cyprinodontoid
cyprinoid
cyprinoideal
cyriot
cypriote
cypriotes
cypriots
cypripedin
cypripedium
cypris
cyproheptadine
cyproterone
cyprus
cypruses
cypsela
cypselae
cypseliform
cypseline
cypseloid
cypselomorph
cypselomorphic
cypselous
cyptozoic
cyrenaic
cyrilaceous
cyrilic
cyriologic
cyriological
cyrtoceracone
cyrtoceratite
cyrtoceratitic
cyrtograph
cyrtolite
cyrtometer
cyrtopia
cyrtosis
cyrtostyle
cyrus
cyst
cystadenoma
cystadenosarcoma
cystal
cystalgia
cystamine
cystaster
cystathionine
cystatrophic
cystatrophy
cysteamine
cystectasia
cystectasy
cystectomies
cystectomy
cysted
cystein
cysteine
cysteines
cysteinic
cysteins
cystelcosis
cystenchyma
cystenchymatous
cystenchyme
cystencyte
cysteuthism
cystic
cysticarpic
cysticarpium
cysticercerci
cysticerci
cysticercoid
cysticercoidal
cysticercosis
cysticercus
cysticerus
cysticle
cysticolous
cystid
cystidean
cystidia
cystidicolous
cystidium
cystidiums
cystiferous
cystiform
cystigerous
cystignathine
cystin
cystine
cystines
cystinosis
cystinuria
cystirrhea
cystis
cystitides
cystitis
cystitome
cystoadenoma
cystocarcinoma
cystocarp
cystocarpic
cystocele
cystocolostomy
cystocyte
cystodynia
cystoelytroplasty
cystoenterocele
cystoepiplocele
cystoepithelioma
cystofibroma
cystoflagellate
cystogenesis
cystogenous
cystogram
cystoid
cystoidean
cystoids
cystolith
cystolithectomy
cystolithiasis
cystolithic
cystoma
cystomas
cystomata
cystomatous
cystometer
cystomorphous
cystomyoma
cystomyxoma
cystonecious
cystonephrosis
cystoneuralgia
cystoparalysis
cystophore
cystophotography
cystophthisis
cystoplasty
cystoplegia
cystoproctostomy
cystoptosis
cystopyelitis
cystopyelography
cystopyelonephritis
cystoradiography
cystorrhagia
cystorrhaphy
cystorrhea
cystosarcoma
cystoschisis
cystoscope
cystoscopic
cystoscopies
cystoscopy
cystose
cystospasm
cystospastic
cystospore
cystostomies
cystostomy
cystosyrinx
cystotome
cystotomies
cystotomy
cystotrachelotomy
cystoureteritis
cystourethritis
cystourethrography
cystous
cysts
cytase
cytasic
cytaster
cytasters
cythera
cytherea
cytherean
cytidine
cytidines
cytinaceous
cytioderma
cytioderma
cytisine
cytisus
cytitis
cytoanalyzer
cytoarchitectural
cytoarchitecturally
cytoarchitecture
cytoblast
cytoblastema
cytoblastemal
cytoblastematous
cytoblastic
cytoblastemous
cytocentrum
cytochalasin
cytochemical
cytochemistry
cytochrome
cytochylema
cytocide
cytoclasis
cytoclastic
cytococci
cytococcus
cytocyst
cytode
cytodendrite
cytoderm
cytodiagnosis
cytodieresis
cytodieretic
cytodifferentiation
cytoecology
cytogamy
cytogene
cytogenesis
cytogenetic
cytogenetical
cytogenetically
cytogeneticist
cytogenetics
cytogenic
cytogenies
cytogenous
cytogeny
cytoglobin
cytoglobin

cytoglobin

cytohyaloplasm

cytoid
cytokinesis
cytokinetic
cytokinin
cyto
cytohist
cytologic
cytological
cytologically
cytologies
cytologist
cytologists
cytology
cytolymph
cytoolysin
cytolysis
cytolytic
cytoma
cytome
cytomegalic
cytomegalovirus
cytomere
cytometer
cytomicrosome
cytomitome
cytomorphological
cytomorphology
cytomorphosis
cyton
cytone
cytons
cytopahgous
cytoparaplastin
cytopathic
cytopathogenic
cytopathogenicicity
cytopathologic
cytopathological
cytopathologically
cytopathology
cytopenia
cytophagic
cytophagous
cytophagy
cytopharynges
cytopharynx
cytopharynxes
cytophil
cytophilic
cytophysics
cytophysiology
cytoplasm
cytoplasmic
cytoplasmically
cytoplast
cytoplastic
cytoproct
cytopyge
cytoreticulum
cytoryctes
cytosin
cytosine
cytosines
cytosome
cytospectrophotometry
cytost
cytostatic
cytostatically
cytostomal
cytostome
cytostroma
cytostromatic
cytotactic
cytotaxis
cytotaxonomic
cytotaxonomically
cytotaxonomy
cytotechnologist
cytotechnology
cytotoxic
cytotoxicity
cytotoxin
cytotrophoblast
cytotrophoblastic
cytotrophy
cytotropic
cytotropism
cytovirin
cytozoa
cyzoic
cytozoon
cytozymase
cytozyme
cytozoa
cytula
cytulae
cyul
cywydd
cyzicene
czar
czardas
czardases
czardom
czardoms
czarevitch
czarevna
czarevnas
czarian
czaric
czarina
czarinas
dacryocystoptosis
dacryocystorrhinostomy
dacryocystosyringotomy
dacryocystotome
dacryocystotomy
dacryohelcosis
dacryohemorrhea
dacryolin
dacryolite
dacryolith
dacryolithiasis
dacryoma
dacron
dacrops
dacrropyorrhea
dacrropyosis
dacrourhea
dacrulosenitis
dacrystenosis
dacrusyrinx
dacyuria
dactyl
dactylar
dactylate
dactyli
dactylic
dactylically
dactylics
dactylioglyph
dactylioglyphic
dactylioglyphist
dactylioglyphtic
dactylioglyphy
dactyliographer
dactyliographic
dactyliography
dactyliology
dactyliomancy
dactylon
dactyliotheca
dactylist
dactylitic
dactylitis
dactylogram
dactylograph
dactylographer
dactylographic
dactylography
dactyloid
dactylologies
dactylogy
dactylomegaly
dactylonomy
dactylopatagium
dactylopodite
dactylopore
dactylorhiza
dactyloscopic
dactyloscopy
dactylose
dactylosternal
dactylosymphysis
dactylotheca
dactylous
dactylozooid
dactyls
dactylus
dacyorrhea
dad
dad's
dada
dadaism
dadaisms
dadaist
dadaistic
dadaistically
dadaists
dadap
dadas
dadburned
dadder
daddies
dadding
daddle
daddled
daddles
dadding
daddling
daddock
daddocky
daddocks
daddums
daddy
daddynut
dade
dadenhudd
dading
dading
dado
dadoed
dadoes
dadoing
dados
dadouchos
dads
daduchus
da
daedal
daedaleous
daedalian
daedalist
daedaloid
daedalous
daedalus
daekon
daemon
daemon's
daemones
daemonian
daemonic
daemonies
daemonistic
daemonology
daemons
daemonurgist
daemonurgy
daemony
daer
daeva
daaff
daaffadillies
daaffadilly
daaffadowndillies
daaffadowndilly
daaffed
daaffery
daaffier
daaffiest
daaffiness
daaffing
daaffish
daaffle
daaffled
daaffling
daaffodil
daaffodil's
daaffodillies
daffodilly
dafofils
daftodowndillies
daftodowndilly
daft
daft

daftardar
daftberry
dafter
daftest
daftlike
daftly
daftness
daftnesses
dag
dagaba
dagame
dagassa
dagesh
dagga
daggar
dagged
dagger
daggerboard
daggerbush
daggered
daggering
daggerlike
daggerproof
daggers
dagging
daggle
daggled
daggles
daggletail
daggletailed
daggling
daggly
daggy
daghesh
daglock
daglocks
dago
dagoba
dagobas
dairywoman
dairywomen
daiz
daized
daizee
daizes
daishiki
daishikis
daisiert
daizens
daizing
daizy
daizi's
daiziabush
daizycutter
daitya
daiva
daik
daiker
daikerhen
daikerhens
daikhma
daikir
daikoi
daikoiit
daikoities
daikoints
daikoity
daikota
daikotan
daikotans
daikotas
daiks
daiktylon
daiktylos
dal
dalaga
dalai
dalan
dalapon
dalapons
dalear
daalasi
daalasis
daale
daale's
daaledh
daaleman
daaler
dales
dalessfolk
dalessman
dalessmen
dalesspeople
dalesswoman
dalet
daletsh
daletshs
dalet

dali
daillance
daillance
dailliance
dailliances
daillied
daillier
dailliers
daillies
daill

dallop
dally
dallying
dallyingly
daallyman
daalma
daalmatian
daalmatians
daalma
daalma
daalma
daalma

dalton

daltonian

daltonic

daltonism

dam

dam's

dama

damage

damageability

damageable

damageableness

damageably
damaged
damage
damageous
damager
damagers
damages
damaging
damagingly
damalic
daman
damans
damar
damars
damas
damascene
damascened
damascener
damascenes
damascenic
damascening
damus
damask
damasked
damaskeen
damaskeening
damaskin
damaskine
damasking
damasks
damasse
damassin
damboard
dambonite
dambonitol
dambose
dambrod
dame
damenization
dames
damewort
dameworts
damfool
damfoolish
damiana
damie
damier
damine
damkernite
damlike
dammar
dammara
dammaret
dammars
damme
dammed
dammer
dammers
damming
dammish
dammit
dam
damnabilities
dannability
dannable
dannableness
dannably
dannation
dannatory
damndest
damnests
dammed
dammeder
dammedest
dammer
dammers
dannification
dannificatus
dannified
dannifies
dannify
dannifying
damning
danningly
damningness
damnit
damnonians
damnosa
damnous
dannously
dams
dannum
damnyankee
damocles
damoiseau
damoiscl
damoiselle
dana
danae
danaid
danaide
danaine
danaite
danalite
danaro
danburite
dancalite
dance
danceability
danceable
danced
dancer
danceress
dancers
dancery
dances
dancette
dancetee
dancetty
dancing
dancingly
dancy
dand
danda
dandelion
dandelion's
dandelions
dander
dandered
dandering
danders
dandiacal
dandiacally
dandically
dandie
dandier
dandies
dandiest
dandification
dandified
dandifies
dandify
dandifying
dandilly
dandily
dandiprat
dandis
dandisette
dandizette
dandle
dandleled
dandler
dandlers
dandles
dandling
dandlingly
dandriff
dandriffs
dandriffy
dandruff
dandruffs
dandruffy
dandy
dandydom
dandyish
dandyishly
dandyishy
dandyism
dandyisms
dandyize
dandyling
dandyprat
dane
danebrog
danegeld
danegelds
danegelt
danelaw
danes
daneweeds
daneweeds
danewort
daneworts
dang
danged
danger
danger's
dangered
dangerful
dangerfully
dangering
dangerless
dangerous
dansker
dansy
danta
dante
dantean
dantesque
danton
danube
danzon
da
daione
dap
daphnadh

daphne

daphnes

daphnetin
daphni
daphnia
daphnias
daphnid
daphnin
daphnioid
daphnis
daphnite
daphnoid
dapicho
dapico
dapifer
dapped
dapper
dapperer
dapperest
dapperling
dapperly
dapperness
dapping
dapple
dappled
dappledness
dappleness
dapples
dappling
daps
dapson
dar
darabukka
darac
daraf
dastardize
dastardliness
dastardly
dastards
dastardy
dastur
dasturi
daswen
dasycladaceous
dasymeter
dasypaedal
dasypaedes
dasypaedic
dasypaedic
dasypaedic
 dasypaedic
dasypaedic
dasypaedic
dasypaedic
dasypaedic
dasypaedic
dasypod
dasypodoid
dasypocta
dasyproctine
dasypygal
dasyure
dasyures
dasyurid
dasyurine
dasyuroid
dat
data
database
database's
databases
datable
datableness
datably
datacell
datafile
dataflow
datagram
datagrams
datakit
datamation
dataana
datapac
datapunch
dataaria
dataaries
dataary
 dataset
datasetname
datasets
datatype
datatypes
datch
datcha
datchas
date
dateable
dateableness
datebook
dated
datedly
datedness
dateless
datelessness
dateline
dateliend
datelines
datelinings
datemarke
dater
datemarman
daters
dates
datil
dating
dation
datisca
datiscaceous
datiscetin
datiscin
datiscosid
datiscoside
datisti
datival
dative
datively
datives
dativogerundial
data
datolite
datolitic
datolites
datos
datsun
datsuns
datsw
datto
dattock
dattos
datum
datums
datura
daturas
daturic
daturism
da
daub
daube
daubed
dauber
dauberies
daubers
daubery
daubes
daubier
daubiest
daubing
daubingly
daubreeite
daubreelite
daubreite
daubreites
daubries
daubry
daubs
daubster
dauby
daud
dauded
dauding
daudit
dauerlauf
dauserschlaf
daughter
daughterhood
daughterkin
daughterless
daughterlike
daughterliness
daughterling
daughterly
daughters
daughtership
dauk
dauke
daukin
dault
daun
daunch
daucy
daunder
daundere
daundering
daunders
dauner
daunomycin
daunt
daunted
daunter
daunters
daunting
dauntingly
dauntingness
dauntless
dauntlessly
dauntlessness
daunton
daunts
dauphin
dauphine
dauphines
dauphiness
dauphins
daurna
daunt
daunted
daute
dautes
daunting
daunts
dauw
davach
davainea
dave
daven
davened
davening
davenport
davenport
davens
daver
daiverd
ndavid
ndaivist
ndaivsonite
ndaively
daylong
dayman
daymare
daymares
daymark
daymen
dayment
daynet
daypeep
dayroom
dayrooms
days
dayshine
dayside
daysides
daysman
daysmen
dayspring
daystar
daystars
daystreak
daytale
daytide
daytime
daytimes
dayton
dayward
daywork
dayworker
daywrit
daze
dazed
dazedly
dazedness
dazement
dazes
dazing
dazzingly
dazy
dazzle
dazzled
dazzlement
dazzler
dazzlers
dazzles
dazzling
dazzlingly
dazzlingness
db
dbl
dbms
dbridement
dbrn
dc
dca
dcb
dcbname
dclass
dcollet
dcolletage
dcor
dd
ddname
ddt
de
dea
deaccession
deaccessioned
deaccessioning
deaccessions
deacetylate
deacetylated
deacetyling
deacetylation
deacidification
deacidified
deacidify
deacidifying
deacon
deacon's
deaconal
deaconate
deaconed
deaconess
deaconesses
deaconhood
deaconing
deaconize
deaconries
deaconry
deacons
deaconship
deactivate
deactivated
deactivates
deactivating
deadlocked
deadlocking
deadlocks
deadly
deadman
deadmelt
deadmen
deadness
deadnesses
deadpan
deadpanned
deadpanner
deadpanning
deadpans
deadpay
deadrise
deadrise
deads
deadtongue
deadweight
deadwood
deadwoods
deadwork
deadworks
deadwort
deady
deerate
deerated
deerates
deerating
deeration
deerator
deaf
deafen
deafened
deafening
deafeningly
deafens
deafer
deafest
deafforest
deafforestation
deafish
deafly
deafmuteness
deafness
deafnesses
deair
deaired
deairing
deairs
deal
dealable
dealate
dealated
dealates
dealation
dealbate
dealbation
dealbuminize
dealcoholist
dealcoholization
dealcoholize
dealer
dealerdom
dealers
dealership
dealerships
dealfish
dealfishes
dealing
dealings
dealkalize
dealkylate
dealkylation
deallocate
deallocated
deallocates
deallocating
deallocation
deallocations
deals
dealt
deambulate
deambulation
deambulatories
deambulatory
deamidase
deamidate
deamidation
deamidization
deamidize
deaminase
deaminate
deaminated
deaminating
deamination
deaminization
deaminize
deaminized
deaminizing
deammonation
dean
dean's
deanathanematize
deaned
deaner
deaneries
deanery
deaness
deanimalize
deaning
deans
deanship
deanships
deanthropomorphic
deanthropomorphism
deanthropomorphization
deanthropomorphize
deappetizing
deaquation
dear
dearborn
dearer
dearer
deerest
dearie
dearies
dearling
dearly
dearn
dearness
dearnesses
dearomatize
dears
dearsenicate
dearsenicator
dearsenicize
dearth
dearthfu
dearnths
deararticulation
dearworth
dearworthily
dearworthiness
deary
deas
deash
deashed
deashes
deashing
deasil
deaspirate
deaspiration
deassimilation
death
defhbed
defhbeds
defhblow
defhblows
defhcup
defhcups
defhday
defhful
defhfully
defhfulness
defhify
defhin
defhin
defhless
defhlessly
defhlessness
defhlike
defhlikeness
defhliness
defhling
defhly
defhrate
defhrate's
defhrates
defhroot
defh
defhshot
defhsmans
defhsmens
defhtime
defhtrap
defhtraps
defhward
defhwards
defhwatch
defhatches
deathweed
deathworm
deathy
deaurate
deave
deaved
deavely
deaves
deaving
deb
debacchate
deacle
deacles
debadge
debag
debagged
debagging
debamboozle
debar
debarbarization
debarbarize
debar
debarcation
debarcations
dearked
dearking
dearking
dearked
dearking
dearks
debarment
debarrance
debarress
debaration
debarred
debarring
debars
debase
debased
debasedness
debasement
debaser
debasers
debases
debasings
debasingly
debat
deatable
deatably
deate
debilitating
debilitation
debilitations
debilitative
debilities
debility
debind
debit
debitable
debite
debited
debiteuse
debiting
debitor
debitrix
debits
debitum
debitenize
debituminization
debituminize
deblaire
deblaterate
deblateration
deblock
deblocked
deblocking
deboise
deoist
deoistly
deoistness
deoiste
deoites
debonair
debonaire
debonairity
debonairly
debonairness
debonairty
debone
deboned
deboner
deboners
debones
deboning
debonnaire
deborah
debord
debordment
decadic
decadist
decadrachm
decadrachma
decadrachmae
decaedron
decaesarize
decaffeinate
decaffeinated
decaffeinates
decaffeinating
decaffeinize
decafid
decagon
decagonal
decagonally
decagons
decagram
decagramme
decagrams
decagynous
decahedra
decahtedral
decahtedra
decahtedron
decahtedrons
decahydrate
decahydrated
decahtyronaphthalene
decal
decalage
decalcification
decalified
decalifier
decalifies
decalify
decalifying
decalcomania
decalcomaniae
decalcomanias
decalescence
decalescent
decaliter
decaliters
decalitre
decalabate
decalogue
decalomania
decals
decalvant
decalvation
decameral
decameron
decamerous
decameter
decameters
decamethonium
decametre
decametric
decamp
decamped
decamping
decampment
decamps
decan
decanal
decanally
decanate
decancellate
decancellated
decancellating
decancellation
decandently
decandria
decandrous
decane
decanery
decanes
decangular
decani
decanically
decannulation
decanol
decanonization
decanonize
decanormal
decanoyl
decant
decantate
decantation
decanted
decanter
decanters
decantherous
decanting
decantist
decants
decap
decapetalous
decaphyllous
decapitable
decapitalization
decapitalize
decapitate
decapitated
decapitates
decapitating
decapitation
decapitations
decapitator
decapod
decapoda
decapodal
decapodan
decapodiform
decapodous
decapods
decapper
decapsulate
decapsulation
decarbonate
decarbonated
decarbonating
decarbonation
decarbonator
decarbonisation
decarbonise
decarbonised
decarboniser
decarbonising
decarbonization
decarbonize
decarbonized
decarbonizer
decarbonizing
decarbonylate
decarbonylated
decarbonylating
decarbonylation
decarboxylase
decarboxylate
decarboxylated
decarboxylating
decarboxylation
decarboxylization
decarboxylize
decarburation
decarburisation
decarburise
decarburised
decarburising
decarburization
decarburize
decarburized
decarburizing
decarch
decarchies
decarchy
decard
decardinalize
decare
decares
decarhinus
decarnate
decarnated
decart
decartelization
decartelize
decartelized
decartelizing
decasemic
decasepalous
decaspermal
decaspermous
decast
decastellate
decastere
decastich
decastylar
decastyle
decastylos
decasualisation
decasualise
decasualised
decasualising
decasualization
decasualize
decasualized
decasualizing
decasyllabic
decasyllable
decausal

decasem

decasant

decasyllables

decasyllabon

decate

decathlon

decathlons

decatholicize

decating

decatize

decatizer

decatizing

decatoic

decator

decatyl

decaudate

decaudation

decay

decayable

decayed

decayedness

decayer

decayers

decaying

decayless

decays

decennia

deciare

deciares

ded

decese

decessed

deceses

decesing

decede

decedent

decedents

decet

decetful

decetfully

decetfulness

decets

deceivability

deceivable

deceivableness

deceivably

deceivance

decieve

decived

deciever
deceivers
deceives
deceiving
deceivably
decelerate
decelerated
decelerates
decelerating
deceleration
decelerations
decelerator
decelerators
decelerometer
deceleron
decem
december
decembrist
decemcystate
decemdentate
decemfid
decemflorous
decemfoliate
decemfoiliolate
decemjugate
decemlocular
decempartite
decempeda
decempedal
decempedate
decempenenate
decemplex
decemplicate
decempunctate
decemstriate
decemuiri
decemvii
decemvir
decemviral
decemvirate
decemviri
decemvirs
decemvirship
decenaries
decenary
decence
decencies
decency
decency's
decene
decener
decennial
decennials
decennary
decennia
decenniad
decennial
decennially
decennials
decennium
decenniums
decennial

decent
decenter
decentered
decentering
decenters
decentest
decently
decentness
decentralisation
decentralise
decentralised
decentralising
decentralism
decentralist
decentralization
decentralizationist
decentralizations
decentralize
decentralized
decentralizes
decentralizing
decentration
decentre
decentred
decentres
decentring
decenyl
deccephalization
deccephalize
decceptibility
decceptible
decption
decption's
decptional
decptions
deceptious
deaftiously
decptitious
decptive
decptively
decptiveness
decptivity
decptory
decerebrate
decerebrated
decerebrating
decerebration
decerebrize
decern
decerned
decerning
decerniture
decernment
decerns
decerp
decertation
decertification
decertificaton
decertified
decertify
decertifying
decess
decession
decessit
decessor
decharm
dechemicalization
dechemicalize
dechenite
dechlore
dechloridation
dechloridize
dechloridized
dechloridizing
dechlorinate
dechlorinated
dechlorinating
dechlorination
dechoralize
dechristianization
dechristianize
deciare
deciares
deciatine
decibar
decibel
decibels
deciceronize
decidability
decidable
decide
decided
decidedly
decidedness
decidement
decidence
decidendi
decident
decider
deciders
decides
deciding
decidingly
decidua
deciduae
decidual
deciduary
deciduas
deciduata
deciduate
deciduitis
deciduity
deciduoma
deciduous
deciduously
deciduousness
decigram
decigramme
decigrams
decil
decile
deciles
deciliter
deciliters
decilitre
decillion
decillionth
decima
decimal
decimalisation
decimalise
decimalised
decimalising
decimalism
decimalist
decimalization
decimalize
decimalized
decimalizes
decimalizing
decimally
decimals
decimate
decimated
decimates
decimating
decimation
decimator
decime
decimestrial
decimeter
decimeters
decimetre
decimetres
decimolar
decimole
decimosexto
decimus
decine
decinormal
decipher
decipherability
decipherable
decipherably
deciphered
decipherer
deciphering
decipherment
deciphers
decipium
decipolar
decise
decision
decision's
decisional
decisionmake
decisions
decisis
decisive
decisively
decisiveness
decistere
decisteres
decitizenize
decivilization
decivilize
deck
decke
deked
dekedout
dekel
dekels
deken
deker
dekers
dekhand
dekhands
dekhead
dekhouse
dekhouses
dekie
deking
dekings
dekle
dekles
dekload
dekman
dekpipe
deks
dekswabber
decl
declaim
declaimant
declaimed
declaimer
declaimers
declaiming
declaims
declamando
declamantion
declamations
declamator
declamatoriness
declamatory
declarable
declarant
declaration
declaration's
declarations
declarative
declaratively
declaratives
declarator
declaratorily
declarators
declaratory
declare
declared
declaredly
declaredness
declarer
declarers
declares
declaring
declass
declassee
declassed
declasses
declassing
declass
declassee
declassified
declassify
declassifies
declassifying
declassing
declassification
declassifications
declassified
declassifies
declassification
declassifications
declassified
declassifies
declassify
declassifying
declassing
declass
declension
declensional
declensionally
declemssons
declericalize
declematize
declinable
decinal
declinable
declination
declination's
declinational
declemssions
declinator
declinatory
declinature
decline
declined
declinedness
decliner
decliners
declines
declining
declinograph
declinometer
declivate
declive
declivent
declivities
declivitous
declivitously
declivity
declivous
declutch
decnet
deco
decoagulate
decoagulated
decoagulation
decoat
decocainize
decoct
decocited
decocitable
decociting
decocation
decoctive
decocts
decoctum
decodable
decode
decoded
decoder
decoders
decodes
decoding
decodings
decohere
decoherence
decoherer
decohesion
decocic
decoke
decoll
decollate
decollated
decollating
decollation
decollator
decolletage
decollete
decollimate
decolonisation
decolonise
decolonised
decolonising
decolonization
decolonize
decolonized
decolonizes
decolonizing
decolor
decolorant
decolorate
decoloration
decolored
decolorimeter
decoloring
decolorisation
decolorise
decolorised
decoloriser
decolorising
decolorization
decolorize
decolorized
decolorizer
decolorizing
decolors
decolour
decolouration
decoloured
decolouring
decolourisation
decolourise
decolourised
decolouriser
decolourising
decolourization
decolourize
decolourized
decolourizer
decolourizing
decolours
decongestant
decongestants
decongested
decongesting
decongestion
decongestive
decongests
deconsecrate
deconsecrated
deconsecrating
deconsecration
deconsider
deconsideration
decontaminate
decontaminated
decontaminates
decontaminating
decontamination
decontaminations
decontaminative
decontaminator
decontaminators
decontrol
decontrolled
decontrolling
decontrols
deconventionalize
deconvolution
deconvolve
decopperization
decopperize
dercor
decorability
decorable
decorably
decorament
decorate
decorated
decorates
decorating
decoration
decorationist
decorations
decorative
decoratively
decorativeness
decorator
decorators
decoratory
decore
decorement
decorist
decorous
decorously
decorousness
decorrugative
decors
decorticcate
decorticated
decorticating
decortication
decorticator
decorticosis
decortization
decorum
decorums
decostate
decoupage
decouple
decoupled
decouples
decoupling
decourse
decourt
decousu
decoy
decoy's
decoyed
decoyer
decoyers
decoying
decoyman
decoymen
decoys
decrassified
decrassify
decream
decrease
decreased
decreaseless
decreases
decreasing
decreasingly
decreation
decreative
decree
decreaseable
deeroed
deereing
deereement
deereeer
deereers
deerees
deereet
deereing
deereement
deereemental
deereemented
deereementing
deereementless
deereements
deereumeter
deerepid
deerepit
deerepitate
deerepitated
deerepitating
deerepitation
deereptily
deereptiness
deereptitude
deerepty
deereptitude
deereasc
deerecence
deerecendo
deerecendos
deerecent
deereetal
deereetalist
deereetals
deereete
deereetion
deereetist
deereetive
deereetively
deereetorial
deereetorian
deereetorily
deereetory
deereetum
deereuw
deereial
deereials
decried
decrier
decriers
decries
decriminalization
decriminalize
decriminalized
decriminalizes
decriminalizing
decrown
decrowned
decrowning
decrowns
decrudescence
decrustation
decry
decrying
decrypt
decrypted
decrypting
decryption
decryptions
decryptograph
decrypts
decrystallization
decubation
decubital
decubiti
decubitus
decultivate
deculate
decuman
decumana
decumani
decumanus
decumary
decumbence
decumbency
decumbent
decumbently
decumbiture
decuple
decupled
decuples
decuplet
decupling
decuria
decuries
decurion
decurionate
decurions
decurrence
decurrences
decurrencies
decurrency
decurrent
decurrently
decurring
decursion
decursive
decursively
decur
decurt
decurtate
decurvation
decurvature
decurve
decurved
decurved
decursing
deducibleness
deducibly
deducing
deducive
deduct
deducted
deductibility
deductible
deductibles
deductile
deducting
deductio
deduction
deduction's
deductions
deductive
deductively
deductory
deducts
deduit
deduplication
dee
deevodler
deed
deedbote
deebox
deeded
deedeed
deedful
deedfully
deedholder
deedier
deediest
deeditly
deediness
deeding
deedless
deeds
deedy
deejay
deejays
deek
deem
deemed
deeemer
deemie
deeming
deemphasis
deemphasize
demphasized
demphasizes
demphasizing
deems
deeemster
deeemsters
deeemstership
deeener
deeny
deep
deepen
depened
deeepener
deeepeners
deeepening
deeepeningly
deeeps
deeper
deepest
deeepfreeeze
deeepfreeezed
deeepfreeezing
deeepfroze
deeepfrozen
deeepgoing
deeeping
deeepish
deeplier
deeply
deeepmost
deeepmouthed
deeepness
deeepnesses
deeeps
deeepsome
deeepwater
deeepwaterman
deeepwatermen
deeer
deeerberrry
deeerdog
deeerdive
deeerflies
deeerfly
deeerflys
deeerfood
deeergrass
defacto
defade
defaecate
defail
defailance
defailance
defailment
defaisance
defaitisme
defaitiste
defalcate
defalcated
defalcates
defalcating
defalcation
defalcations
defalcator
defalk
defamation
defamations
defamatory
defame
defamed
defamer
defamers
defames
defaming
defamingly
defamous
defamy
defang
defassa
defat
defatigueable
defatigate
defatigated
defatigation
defats
defatted
defatting
default
defaultant
defaulted
defaulter
defaulters
defaulting
defaultless
defaults
defaulture
defeasance
defeasanced
defease
defeaseability
defeasible
defeasibleness
defeasive
defeat
defeated
defeatee
defeater
defeaters
defeating
defeatism
defeatist
defeatists
defeatment
defeats
defeature
defecant
defecate
defecated
defecates
defecating
defecation
defecator
defect
defected
defecter
defecters
defectibility
defectible
defecting
defection
defection's
defectionist
defections
defectious
defective
defectively
defectiveness
defectless
defectlessness
defectology
defector
defectors
defectoscope
defects
defectum
defectuous
defedation
defeise
defeit
defeminisation
defeminise
defeminised
defeminising
defeminization
defeminize
defeminized
defeminizing
defence
defenceable
defenceless
defencelessly
defencelessness
defences
defencive
defend
defendable
defendant
defendant's
defendants
defended
defender
defenders
defending
defendress
defends
defenestrate
defenestrated
defenestrates
defenestrating
defenestration
defensative
defense
defensed
defenseless
defenselessly
defenselessness
defenseman
defensemen
defenser
defenses
defensibility
defensible
defensibleness
defensibly
defensing
defension
defensive
defensively
defensiveness
defensor
defensorship
defensory
def er
deferable
def erence
def erens
def erent
def erentectomy
def erential
def erentiality
def erentially
def erentitis
def erents
def erment
def erment's
def erments
def errable
def erral
def errals
def erred
def errer
def errer's
def errers
def erring
deferrization
def errize
def errized
def errizing
def ers
def ervesce
def ervesced
def ervescence
def ervescent
def ervescing
def et
def e feudalize
defi
defiable
defial
defiance
defiances
defiant
defiantly
defiantness
defiatory
defiber
defibrillate
defibrillated
defibrillating
defibrillation
defibrillative
defibrillator
defibrillatory
defibrinate
defibrination
defibrinize
deficiency
deficiencies
deficiency
deficient
deficiently
deficit
deficit's
deficits
defied
defier
defiers
defies
defiguration
defigure
defilable
defilade
defiladed
defilades
defilading
defile
defiled
defiledness
defilement
defilements
defiler
defilers
defiles
defiliation
defiling
defilingly
definability
definable
definably
define
defined
definally
definition
definer
definers
defines
definienda
definiendum
definiens
definitionia
defining
definish
definite
definitely
definiteness
definition
definition's
definitional
definitiones
definitions
definitise
definitised
definitising
definitive
definitively
definitiveness
definitization
definitize
definitized
definitizing
definitor
definitude
defis
defix
deflagrability
deflagrable
deflagrate
deflagrated
deflagrates
deflagrating
deflagration
deflagrations
deflagrator
deflate
deflated
deflater
deflates
deflating
deflation
deflationary
deflationist
deflations
deflator
deflators
deflea
defleaed
defleaing
defleas
deflect
deflectable
deflected
deflecting
deflection
deflectional
deflectionization
deflectionize
deflections
deflective
deflectometer
deflector
deflectors
deflects
deflesh
deflex
deflexed
deflexibility
deflexible
deflexing
deflexion
deflexionize
deflexure
deflocculant
deflocculate
deflocculated
deflocculating
deflocculation
deflocculator
deflocculent
deflorate
defloration
deflorations
deflore
deflorescence
deflourish
deflow
deflower
deflowered
deflowerer
deflowering
deflowerment
deflowers
defluent
defluous
defluvium
deflux
defluxion
defoam
defoamed
defoamer
defoamers
defoaming
defoamers
defocus
defocusses
defoedation
defog
defogged
defogger
defoggers
defogging
defogs
defoil
defoliage
defoliant
defoliants
defoliate
defoliated
defoliates
defoliating
defoliations
defoliator
defoliators
deforce
deforced
deforcement
deforceor
deforcer
deforses
deforciant
deforcing
defrays
deffreeze
defrication
defrock
defrocked
defrocking
defrocks
defrost
defrosted
defroster
defrosters
defrosting
defrosts
defs
deft
defter
defterdar
deftest
defty
deftness
deftnesses
defunct
defunction
defunctionalization
defunctionalize
defunctive
defunctness
defuse
defused
defuses
defusing
defusion
defuze
defuzed
defuzes
defuzing
defy
defying
defyingly
deg
degage
degame
degames
degami
degamis
deganglionate
degarnish
degas
deglamorize
deglamorized
deglamorizing
deglaze
deglazed
deglazes
deglazing
deglory
deglut
deglute
deglutinate
deglutinated
deglutinating
deglutination
deglution
deglutitious
deglutitive
deglutitory
deglycerin
deglycerine
degold
degomme
degorder
degorge
degradability
degradable
degradand
degradation
degradation's
degradational
degradations
degradative
degrade
degraded
degradedly
degradedness
degradedness
degradement
degrader
degraders
degrades
degradation
degradingly
degradings
degradings
degradate
degradation
degrade
degranulation
degras
degratia
degravate
degrease
degreased
degreaser
degreasers
degreasing
degree
degree's
degreeed
degreeing
degreeless
degrees
degreewise
degression
degressive
degressively
degringolade
degu
deguelin
degum
degummed
degummer
degumming
degums
degust
degustate
degustation
degusted
degusting
degusts
dehache
dehair
dehairer
dehheathenize
dehematize
dehematize
dehiscence
dehisced
dehiscent
dehiscents
dehiscing
dehistoricize
dehnstufe
dehonestate
dehonestation
dehorn
dehorned
dehorner
dehorners
dehorning
dehorns
dehors
dehort
dehortation
dehortative
dehortatory
dehorted
dehorter
dehorting
dehorts
dehull
dehumanisation
dehumanise
dehumanised
dehumanising
dehumanization
dehumanize
dehumanized
dehumanizes
dehumanizing
dehumidification
dehumidified
dehumidifier
dehumidifiers
dehumidifies
dehumidify
dehumidifying
dehusk
dehydrant
dehydrase
dehydratase
dehydrate
dehydrated
dehydrates
dehydrating
dehydration
dehydrator
dehydrators
dehydroascorbic
dehydrochlorinase
dehydrochlorinate
dehydrochlorination
dehydrocorticosterone
dehydrocorydaline
delawn
delay
delayable
delayage
delayed
delayer
delayers
delayful
delaying
delayingly
delays
dele
delead
deleaded
deleading
deleads
deleatur
deleble
detectability
dectable
dectableness
dectably
dectate
dectated
dectating
dectation
dectations
dectible
dectus
deled
deleerit
delegable
delegacies
delegacy
delealize
delealized
delealizing
delegrant
delegrare
delegrate
delegrated
delegratee
delegrates
delegrateship
delegratii
delegrati
delegrating
delegration
delegrations
delegative
deleagator
deleagatory
deleagatus
deleinge
delenda
delelimate
delsey
delelesseriaceous
delele
deleles
deleleterious
deleleteriously
deleleteriousness
deleletery
deleletes
deleleting
deleletion
deleletions
deleletive
deleletory
delf
delfs
delft
delfts
delfware
delhi
deli
delian
delible
deliber
deliberalization
deliberalize
deliberandum
deliberant
deliberate
deliberated
deliberately
deliberateness
deliberates
deliberating
deliberation
deliberations
deliberative
deliberatively
deliberativeness
deliberator
deliberator's
deliberators
delible
delicacies
delicacy
delicacy's
delicat
delicate
delicately
delicateness
delicates
delicatesse
delicatessen
delicatelessness
delice
delicense
deliciæ
deliciate
delicioso
delicious
deliciouses
deliciously
deliciousness
delict
delicti
delicto
delicts
delictual
delictum
delictus
delieret
delies
deligated
deligation
delight
delightable
delighted
delightedly
delightedness
delighter
delightful
delightfully
delightfulness
delightening
delightingly
delightless
delights
delightsome
delightsomely
delightsomeness
delignate
delignated
delignification
delilah
deliria
delim
delime
delimed
delimer
delimes
deliming
delimit
delimitate
delimitated
delimitating
delimitation
delimitations
delimitative
delimited
delimiter
delimiters
delimiting
delimitize
delimitized
delimitizing
delimits
deline
delineable
delineament
delineate
delineated
delineates
delineating
delineation
delineations
delineative
delineator
delineatory
delineature
delineavit
delinion
delinquence
delinquencies
delinquency
delinquent
delinquently
delinquents
delint
delinter
deliquate
deliquesce
deliquesced
deliquescence
deliquescent
deliquesces
deliquescing
deliquiate
deliquesce
deliquium
deliracy
delirament
delirant
delirate
deliration
delire
deliria
deliriant
deliriate
delirifacient
delirious
deliriously
deliriousness
delirium
deliriums
delirious
delis
delisk
delist
delisted
delisting
delists
delit
delitescence
delitescency
delitescent
delitous
deliver
deliverability
deliverable
deliverables
deliverance
delivered
deliverer
deliverers
delphinoid
delphinoidine
delphinus
delphocurarine
dels
delta
delta's
deltafication
deltahedra
deltahedron
deltaic
deltaite
deltal
deltalike
deltarium
deltas
deltation
delthyria
delthyrial
delthyrium
deltic
deltidia
deltidial
deltidium
deltiology
deltohedra
deltohedron
deltoid
deltoidal
deltoidei
deltoideus
deltoids
delabra
delubrabra
delubrum
deluces
deludable
delude
deluded
deluder
deluders
deludes
deludher
deluding
deludingly
deluge
deluged
deluges
deluging
delumbate
deluminize
delundung
delusion
delusion's
delusional
delusionary
delusionist
delusions
delusive
delusively
delusiveness
delusory
deluster
delusterant
delustered
delustering
delusters
delustrant
deluxe
delve
delved
delver
delvers
delves
delving
dely
dem
demagnetisable
demagnetisation
demagnetise
demagnetised
demagnetiser
demagnetising
demagnetizable
demagnetization
demagnetize
demagnetized
demagnetizer
demagnetizes
demagnetizing
demagnification
demagnify
demagog
demagogic
demagogical
demagogically
demagogies
demagogism
demagogos
demagogue
demagoguery
demagogues
demagoguism
demagogy
demain
demal
demand
demandable
demandant
demandative
demanded
demander
demanders
demanding
demandingly
demandingness
demands
demanganization
demanganize
demantoid
demarcate
demarcated
demarcates
demarcating
demarcation
demarcations
demarcator
demarcator demarcators
demarcators
demarcature
demarch
demarche
demarches
demarchy
demaree
demargarinate
demark
demarkation
demarked
demarking
demarks
demascalinisation
demasculinise
demasculinised
demasculinising
demasculinization
demasculinize
demasculinized
demasculinizing
demast
demasted
demasting
demasts
dematerialisation
dematerialise
dematerialised
dematerialising
dematerialization
dematerialize
dematerialized
dematerializing
dematiaceous
deme
demean
demeaned
demeaning
demeanor
demeanored
demeanors
demeanour
demeans
demegoric
demele
demembration
demembre
demency
dement
demicate
demication
demented
dementedly
dementedness
dementholize
demerti
dementia
demental
dementias
dementie
dementing
dementis
demets
demeore
demephitize
demerara
demerge
demerit
demerited
demeriting
demeritorious
demeritoriously
demerits
demerol
demersal
demerse
demersed
demersion
demes
demesne
demesnes
demesman
demesmerize
demesne
demesnes
demesnial
demettallize
demeter
demethylate
demethylation
demethylchlortetracycline
demetricize
demi
demiadult
demiangel
demiasignation
demiatheism
demiatheist
demibarrel
demibastion
demibastioned
demibath
demibeast
demibelt
demibob
demibombard
demibrassart
demibrigade
demibrute
demibuckram
demicadence
demicannon
demicanon
demicanton
demicaponier
demichamfron
demicircle
demicircular
demicivilized
demicolumn
demicoronal
demicritic
demicuirass
demiculverin
demicylinder
demicylindrical
demidandiprat
demideify
demideity
demidevil
demidigested
demidistance
demiditone
demidoctor
demidog
demidolmen
demidome
demiaigle
demies
demifarthing
demifigure
demiflouncing
demifusion
demigardebras
demigauntlet
demigentleman
demiglace
demiglobe
demigod
demigoddess
demigoddessship
demigods
demigorge
demigrate
demigriffin
demigroat
demihag
demihagbut
demihague
demihake
demihaque
demihearse
demiheavenly
demihigh
demihogshad
demihorse
demihuman
demijambe
demijohn
demijohns
demikindred
demiking
demilance
demilancer
demilawyer
demilegato
demilion
demilitarisation
demilitarise
demilitarised
demilitarising
demilitarization
demilitarize
demilitarized
demilitarizes
demilitarizing
demiliterate
demilune
demilunes
demiluster
demilustrre
demiman
demimark
demimentoniere
demimetope
demimillionaire
demimondain
demimondaine
demimondaines
demimonde
demimonk
deminatured
demineralization
demineralize
demineralized
demineralizer
demineralizes
demineralizing
deminude
deminudity
demiocagonal
demiocangular
demiofficial
demiorbit
demiourgoi
demiowl
demiox
demipagan
demiparadise
demiparallel
demipauldron
demipectinate
demipesade
demipike
demipillar
demipique
demiplacate
demiplate
demipomada
demipremise
demipremiss
demipriest
demipronation
demipuppet
demiquaver
demiracle
demiram
demirelief
demirep
demireps
demirevetment
demirhumb
demirilievo
demirobe
demisability
demisable
demisacrilege
demisang
demisangue
demisavage
demiscible
demise
demiseason
demisecond
demised
demisemiquaver
demisemitone
demises
demisheath
demishirt
demising
demisolde
demisovereign
demisphere
demiss
demission
demissionary
demissive
demissly
demissness
demissory
demist
demisuit
demit
demitasse
demitasses
demitint
demitoilet
demitone
demitrain
demitranslucence
demits
demitted
demitting
demitube
demiturned
demiuage
demiurgeois
demiurges
demiurgic
demiurgical
demiurgically
demiurgism
demiurgos
demiurgus
demivambrace
demivierge
demivirgin
demivoice
demivol
demivol
demivolte
demivolts
demivotary
demiwivern
demiwolf
demiworld
demnition
demo
demob
demobbed
demobbing
demobilisation
demobilise
demobilised
demobilising
demobilization
demobilizations
demobilize
demobilized
demobilizes
demobilizing
demobs
democracies
democracy
democracy's
democrat
democrat's
democratian
democrat
democratifiable
democratically
democratifiable
democratisation
democratise
democratised
democratising
democratism
democratist
democratization
democratize
democratized
democratizer
democratizes
democratizing
democrats
democraw
democritean
demode
demodectic
demoded
demodex
demodulate
demodulated
demodulates
demodulating
demodulation
demodulations
demodulator
demogenic
demogorgon
demographer
demographers
demographic
demographical
demographically
demographics
demographics
demographer
demographic
demography
demoid
demoiselle
demoiselles
demolish
demolished
demolisher
demolishes
demolishing
demolishment
demolition
demolitionary
demolitionist
demolitions
demological
demology
demon
demon's
demonastery
demoness
demonesses
demonetisation
demonetise
demonetised
demonetising
demonetization
demonetize
demonetized
demonetizes
demonetizing
demoniac
demoniacal
demoniacally
demoniacism
demoniacs
demonial
demonian
demonianism
demoniast
demonic
demonical
demonically
demonifuge
demonio
demonise
demonised
demonises
demonish
demonishness
demonising
demonism
demonisms
demonist
demonists
demonization
demonize
demonized
demonizes
demonizing
demonkind
demonland
demonlike
demonocracy
demonograph
demonographer
demonographies
demonography
demonolater
demonolatrous
demonolatrously
demonolatry
demonologer
demonologic
demonological
demonologically
demonologies
demonologist
demonology
demonomancy
demonomanie
demonomist
demony

demonophobie
demonopolize
demony

demons
demonship
demonstrability
demonstrable
demonstrableness
demonstrably
demonstrance
demonstrandum
demonstrant
demonstratability
demonstratable
demonstrate
demonstrated
demonstratedly
demonstrater
demonstrates
demonstrating
demonstration
demonstrational
demonstrationist
demonstrationists
demonstrations
demonstrative
demonstratively
demonstrativeness
demonstrator
demonstrator's
demonstrators
demonstratorship
demonstratory
demophil
demophile
demophilism
demophobe
demophobia
demorage
demoralisation
demoralise
demoralised
demoraliser
demoralising
demoralization
demoralize
demoralized
demoralizer
demoralizers
demoralizes
demoralizing
demoralizingly
demorphinization
demorphism
demos
demoses
demosthenic
demot
demote
demoted
demotes
demothball
demotic
demotics
demoting
demotion
demotions
demotist
demotists
demount
demountability
demountable
demounted
demounting
demounts
demove
dempne
dempster
dempsters
demulce
demulceate
demulcent
demulcents
demulsibility
demulsification
demulsified
demulsifier
demulsify
demulsifying
demulsion
demultiplex
demultiplexed
demultiplexer
demultiplexers
demultiplexes
demultiplexing
demur
demure
demurely
demureness
demurer
demurest
demurity
demurrate
demurrage
demurrages
demurral
demurrels
demurrant
demurred
demurrer
demurrers
demurring
demurringly
demurs
demutization
deny
demyelinate
demyelination
demyship
demystification
demystify
demythify
demythologisation
demythologise
demythologised
demythologising
demythologization
demythologizations
demythologize
demythologized
demythologizer
demythologizes
demythologizing
den
den's
dename
denar
denarcotization
denarcotize
denari
denaries
denarii
denarinarii
denarius
denaro
denary
denasalize
denasalized
denasalizing
denat
denationalisation
denationalise
denationalised
denationalising
denationalization
denationalize
denationalized
denationalizing
denationalization
denaturalisation
denaturalise
denaturalised
denaturalising
denaturalization
denaturalize
denaturalized
denaturalizing
denaturant
denaturants
denaturate
denaturation
denaturational
denature
denatured
denatures
denaturing
denaturisation
denaturise
denaturised
denaturiser
denaturising
denaturization
denaturize
denaturized
denaturizer
denaturizing
denay
denazification
denazified
denazifies
denazify
denazifying
denda
dendra
dendrachate
dendral
dendraxon
dendric
dendriform
dendrite
dendrites
dendritic
dendritical
dendritically
dendritiform
dendrome
dendroceratine
dendrochronological
dendrochronologically
dendrochronologist
dendrochronology
dendroclastic
dendrocoelant
dendrocoele
dendrocoeles

dendrocolaptine
dendroconus
dendodic
dendrodont
dendrodra

dendrograph
dendrography
dendroid
dendroidal
dendrolater
dendrolatry
dendrolite
dendrologic
dendrological
dendrologist
dendrologists
dendrologous
dendrology
dendrometer
dendron
dendrons
dendrophagous
dendrophil
dendrophile
dendrophilous
dene
deneb
denegrate
denegation
denehole
denervate
denervation
denes
deneutralization
dengue
dengues
deniability
deniable
deniably
denial
denial’s
denials
denicotine
denicotinize
denicotinized
denicotinizes
denicotinizing
denied
denier
denierage
denierer
deniers
denies
denigrate
denigrated
denigrates
denigrating
denigration
denigrations
denigrative
denigrator
denigrators
denigratory
denim
denis
denitrater
denitrated
denitrating
denitration
denitrator
denotational
denotationally
denotations
denotative
denotatively
denotativeness
denotatum
denote
denoted
denotement
denotes
denoting
denotive
denouement
denouements
denounce
denounced
denouncement
denouncements
denoucer
denouncers
denounces
denouncing
dens
densate
densation
dense
densely
densen
denseness
denser
densest
denshare
densher
denshire
densification
densified
densifier
densifies
densify
densifying
densimeter
densimetric
densimetrically
densimetry
densities
densitometer
densitometers
densitometric
densitometry
density
density's
densus
dent
dentagra
dental
dentale
dentalgia
dentalia
dentalisation
dentalise
dentalised
dentalising
dentalism
dentality
dentalium
dentaliums
dentalization
dentalize
dentalized
dentalizing
dentallia
dentally
dentalman
dentalmen
dentals
dentaphone
dentaries
dentary
dentata
dentate
dentated
dentately
dentation
dentatoangulate
dentatocillitate
dentatocostate
dentatocrenate
dentatoserrate
dentatosetaceous
dentatosinuate
dented
dentel
dentelated
dentellated
dentelle
dentelliere
dentello
denteluere
denter
dentes
dentex
dentical
denticate
denticete
denticle
denticles
denticular
denticulate
denticulated
denticulately
denticulation
denticule
dentiferous
dentification
dentiform
dentifrice
dentifrices
dentigerous
dentil
dentilabial
dentilated
dentilation
dentile
dentiled
dentilingual
dentilogy
dentiloquist
dentiloquy
dentils
dentimeter
dentin
dentinal
dentinalgia
dentinasal
dentine
dentines
denting
dentinitis
dentinoblast
dentinocemental
dentinoid
dentinoma
dentins
dentiparous
dentiphone
dentiroster
dentirostral
dentirostrate
denticap
dentist
dentist's
dentistic
dentistical
dentistries
dentistry
dentists
dentition
dentoid
dentolabial
dentolinguinal
dentololabial
dentonasal
dentosurgical
dents
dentulous
dentural
denture
dentures
denty
denuclearization
denuclearize
denuclearized
denuclearizes
denuclearizing
denucleate
denuvant
denudate
denudated
denudates
denudating
denulation
denuclational
denuclations
denuclative
denuclatory
denude
denuded
denudement
denuder
denuders
denudes
denuding
denumberment
denumerability
denumerable
denumerably
denumeral
denumeral

denumerant
denumerative
denumeration
denumerative
denunciable
denunciant
denunciate
denunciated
denunciating
denunciation
denunciations
denunciative
denunciatively
denunciator
denunciatory
denunciation
denver
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deny
deodorizer
deodorizers
deodorizes
deodorizing
deodernate
deontic
deontological
deontologist
deontology
deoperculate
deoppilant
deoppilate
deoppilation
deoppilative
deordination
deorganization
deorganize
deorientalize
deorsum
deorsumvergence
deorsumversion
deorusumduction
deosculate
deossification
deossify
deota
deoxidant
deoxidate
deoxidation
deoxidative
deoxidator
deoxidisation
deoxidise
deoxidised
deoxidiser
deoxidising
deoxidization
deoxidize
deoxidized
deoxidizer
deoxidizers
deoxidizes
deoxidizing
deoxycorticosterone
deoxygencate
deoxycgenated
deoxycgenating
deoxycgenation
departmentize
departments
departs
departure
departure's
departures
depas
depascent
depass
depasturizable
depasturage
depasturation
depasture
depastured
depasturing
depatriate
depauperate
depauperation
depauperization
depauperize
depauperized
depayse
depaysee
depe
deeper
depeach
depeche
depectible
depeculate
depeinct
depel
depencil
depend
dependabilities
dependability
dependable
dependableness
dependably
dependance
dependency
dependant
dependantly
dependants
depended
dependence
dependencies
dependency
dependent
dependently
dependents
deeper
depending
dependingly
depends
deeper
deeper
deeper
deeper
deeper
deeper
deeper
depersonalise
depersonalised
depersonalising
depersonalization
depersonalize
depersonalized
depersonalizes
depersonalizing
depersonize
depertible
depetalize
deper
depeticcoat
dephase
dephased
dephasing
dephilosophize
dephlem
dephlegmate
dephlegmated
dephlegmation
dephlegmatize
dephlegmator
dephlegmatory
dephlegmedness
dephlogisticate
dephlogisticated
dephlogistication
dephosphorization
dephosphorize
dephycercal
dephysicalization
dephysicalize
depickle
depict
depicted
depicter
depicters
depicting
depiction
depictions
depictive
depictment
depictor
depictors
depicts
depicture
depictured
depicturing
depiedmontize
depigment
depigmentate
depigmentation
depigmentize
depilate
depilated
depilates
depilating
depilation
depilator
depilatories
depilatory
depilant
depilous
depit
demplace
demplaceable
deplane
deplaned
deplanes
deplaning
deplant
deplantation
deplasmolysis
deplaster
deplenish
depletable
deplete
depleteable
depolarization
depolarize
depolarized
depolarizer
depolarizers
depolarizes
depolarizing
depolish
depolished
depolishes
depolishing
depoliticize
depoliticized
depoliticizes
depoliticizing
depolymerization
depolymerize
depolymerized
depolymerizing
depolish
depolished
depolishes
depolishing
depoliticize
depoliticized
depoliticizes
depoliticizing
depolymerization
depolymerize
depolymerized
depolymerizing
depone
deponed
deponent
deponents
deponer
depones
deponing
depopularize
depopulate
depopulated
depopulates
depopulating
depopulation
depopulations
depopulative
depopulator
depopulators
deport
deportability
deportable
deportation
departations
deporte
deported
deportee
deportees
deporter
deporting
deportment
deports
deporture
deposable
deposal
deposals
depose
deposed
deposer
deposers
deposes
deposing
deposit
deposita
depositaries
depository
depositation
deposited
depositee
depositing
deposition
deposition's
depositional
depositions
depositive
deposito
depositor
depositor's
depositories
depositors
depository
deposits
depositum
depositure
deposure
depot
depot's
depotentiate
depotentiation
depots
depr
depravate
depravation
deprave
depraved
depravedly
depravedness
depravement
depraver
deprehension
depress
depressant
depressanth
depressants
depressed
depresses
depressibilities
depressibility
depressible
depressing
depressingly
depressingness
depression
depression's
depressional
depressionary
depressions
depressive
depressively
depressiveness
depressives
depressomotor
depressor
depressors
depressure
depressurize
deprest
depereter
depervation
depriment
deprint
deprioritize
depriseure
deprivable
deprival
deprivals
deprivate
deprivation
deprivation's
deprivations
deprivative
deprive
deprieved
deprivement
depriver
deprivers
deprives
depriving
deprogrammed
deprogrammer
deprogrammers
deprogramming
deprogrammings
deprograms
deprime
deprostrate
deprotestantize
deprovincialize
depsid
depside
depsides
dpt
depth
depthen
depthing
depthless
depthlessness
depthometer
depths
depthways
depthwise
depucel
depudorate
depullulation
depulse
depurant
depurate
depurated
depurates
depurating
depuration
depurative
depurator
depuratory
depure
depurge
depurged
depurging
depurition
depursement
deputable
deputation
deputational
deputationist
deputationize
deputations
deputative
deputatively
deputator
depute
deputed
deputes
depuities
deputing
deputise
deputised
deputising
deputization
deputize
deputized
deputizes
deputizing
deputy
deputy's
deputship
dequantitate
dequen
dequenue
dequened
dequenes
dequenuing
der
derabbinize
deracialize
deracinate
deracinated
deracinating
deracination
deracine
deradelphus
deradenitis
deradenoncus
derah
deraign
deraigned
deraigning
deraignment
deraign

derail
derailed
deregulating
deregulation
deregulationize
deregulations
deregulatory
dereign
dereism
dereistic
dereistically
derelict
derelicta
dereliction
derelictions
derelictly
derelictness
derelicts
dereligion
dereligionize
dereling
derelinquendi
derelinquish
derencephalocele
derencephalus
derepress
derepression
derequisition
derere
deresinate
deresinize
derestRICT
derf
derfly
derfness
derham
deric
deride
derided
derider
deriders
derides
deriding
deridingly
deringer
deringers
derisible
derision
derisions
derisive
derisively
derisiveness
derisory
derv
derivability
derivable
derivably
derival
derivant
derivate
derivately
derivates
derivation
derivation's
derivational
derivationally
derivationist
derivations
derivatist
derivative
derivative's
derivatively
derivativeness
derivatives
derive
derived
derivedly
derivedness
deriver
derivers
derives
deriving
derk
derm
derma
dermabrasion
dermad
dermahemia
dermal
dermalgia
dermalith
dermamyiasis
dermanaplasy
dermapostasis
dermaptera
dermapteran
dermapterous
dermas
dermaskeleton
dermasurgery
dermatogra
dermatic
dermatalgia
dermataneuria
dermatatrophia
dermatauxe
dermathemia
dermatherm
dermastic
dermatine
dermatitis
dermatitises
dermatocele
dermatocellulitis
dermatocniosis
dermatocoptic
dermatocyst
dermatodynia
dermatogen
dermatoglyphic
dermatoglyphics
dermatograph
dermatographia
dermatographic
dermatographism
dermatography
dermatoheteroplasty
dermatoid
dermatologic
dermatological
dermatologies
dermatologist
dermatologists
dermatology
dermatolysis
dermatoma
dermatome
dermatomere
dermatomic
dermatomuscular
dermatomyces
dermatomycosis
dermatomyoma
dermatoneural
dermatoneurology
dermatoneurosis
dermatonosus
dermatopathia
dermatopathic
dermatopathology
dermatopathophobia
dermatophobia
dermatophone
dermatophony
dermatophyte
dermatophytic
dermatophytosis
dermatoplasm
dermatoplast
dermatoplastic
dermatoplasty
dermatopnagic
dermatopsy
dermatoptic
dermatorrhagia
dermatorrhea
dermatorrhoea
dermatosclerosis
dermatoscopy
dermatoses
dermatosiophobia
dermatosis
dermatoskeleton
dermatotherapy
dermatotome
dermatotomy
dermatotropic
dermatoxerasia
dermatozoon
dermatozoonosis
dermatozooa
dermatrophia
dermatrophy
dermatropic
dermenchysis
dermestes
dermestid
dermestoid
dermic
dermis
dermises
dermitis
dermititis
dermoblast
dermobranchiata
dermobranchiate
dermochrome
dermococcus
dermogastric
dermographia
dermographic
dermographism
dermography
dermohemal
dermohemia
dermohumeral
dermoid
dermoidal
dermoidectomy
dermol
dermolysis
dermomuscular
dermomycosis
dermonecrotic
dermoneural
dermoneurosis
dermonoscopy
dermoosseous
dermoossification
dermopathic
dermopathy
dermophile
dermophobe
dermophyte
dermophytic
dermoplasty
dermopteran
dermopterous
dermoreaction
dermorrhynchous
dermosclerite
dermoskeletal
dermoskeleton
dermostenosis
dermostosis
dermosynovitis
dermotherm
dermotropic
dermovaccine
derms
dermutation
derm
dertrum
deruinate
deruralize
derust
derv
derve
dervish
dervishes
dervishhood
dervishism
dervishlike
des
desaccharification
desacralization
desacralize
desagrement
desalinate
desalinated
desalinates
desalinating
desalination
desalinator
desalinization
desalinize
desalinized
desalinizes
desalinizing
desalt
desalted
desalter
desalters
desalting
desalts
desamidase
desamidization
desaminase
desand
desanded
desanding
desands
desaturate
desaturation
desaurin
desaurine
desc
descale
descaled
descaling
descamisado
descamisados
descant
descanted
descanter
descanting
descantist
descants
descartes
descend
descendability
descendable
descendance
descendant
descendant's
descendants
descended
descendence
descendent
descendental
descendentalism
descendentalist
descendentalistic
descendants
descender
descenders
descendibility
descendible
descending
descendingly
descends
descension
descensional
descensionist
descensive
descensors
descensors
descensory
descent
descent's
descents
deschool
desclowitz
descolor
descordial
describability
describable
describably
describe
described
describent
describer
describers
describes
describing
descried
descrier
descriers
descires
descript
description
description's
descriptionist
descriptionless
descriptions
descriptive
descriptively
descriptiveness
descriptives
descriptivism
descriptor
descriptor's
descriptors
descriptory
describe
descry
descrying
desecure
desdemona
deseam
deseasonalize
desecate
desecrate
desecrated
desecrater
desecrates
desecrating
desecration
desecrations
desecrator
desecationalize
deseed
desegmentation
desegmented
desegregate
desegregated
desegregates
desegregating
desegregation
deselect
deselected
deselecting
deselects
desemer
desensitization
desensitizations
desensitize
desensitized
desensitizer
desensitizers
desensitizes
desensitizing
desensitization
desertilize
desert
deserted
desertedly
desertedness
deserter
deserters
desertful
desertfully
desertic
deserticolous
desertification
deserting
desertion
desertions
desertism
desertless
desertlessly
desertlike
desertness
desertress
desertrice
deserts
desertward
deserve
deserved
deservedly
deservedness
deserveless
deserver
deservers
deserves
deserving
deservingly
deservingness
deservings
desesperance
desex
desexed
desexes
desexing
desexualization
desexualize
desexualized
desexualizing
deshabille
desi
desiatin
desicate
desiccant
desiccants
desiccate
desiccated
desiccates
desiccating
desiccation
desiccations
desiccative
desiccator
desiccators
desiccatory
desiderable
desiderant
desiderata
desiderate
desiderated
desiderating
desideration
desiderative
desideratum
desiderium
desiderta
desidiose
desidious
desight
desightment
design
designable
designado
designate
designated
designates
designating
designation
designations
designative
designator
designator's
designators
designatory
designatum
designed
designedly
designedness
designee
designees
designer
designer's
designers
designful
designfully
designfulness
designing
designingly
designless
designlessly
designlessness
designment
designs
desilicate
desilicated
desilicating
desilification
desilicified
desilicify
desiliconization
desiliconize
desilt
desilver
desilvered
desilvering
desilverization
desilverize
desilverized
desilverizer
desilverizing
desilvers
desinence
desinent
desinential
desiodothyroxine
desipience
desipency
desipient
desipramine
desirability
desirable
desirableness
desirably
desire
desireable
desired
desiredly
desiredness
desireful
desirefulness
desireless
desirelessness
desirer
desirers
desires
desiring
desiringly
desirous
desirously
desirousness
desist
desistance
desisted
desistence
desisting
desistive
desists
desition
desitive
desize
desk
desk’s
deskbound
deskkill
desklike
deskman
deskmen
desks
desktop
deslime
desma
desmachymatous
desmachyme
desmacyte
desman
desmans
desmarestiaceous
desmectasia
desmepithelium
desmic
desmid
desmidiaceous
desmidian
desmidiologist
desmidiology
desmids
desmine
desmitis
desmocyte
desmocytoma
desmodont
desmodinia
desmogen
desmogenous
desmognathism
desmognathous
desmography
desmohemoblast
desmoid
desmoids
desmolase
desmology
desmoma
desmon
desmoneme
desmoneoplasm
desmonosology
desmopathologist
desmopathology
desmopathy
desmopelmous
desmopexia
desmopyknosis
desmorrhesis
desmose
desmosis
desmosite
desmosome
desmotomy
desmotrope
desmotropic
desmotropism
desmotropy
desobligeant
desocialization
desocialize
desoeuvre
desolate
desolated
desolately
desolateness
desolater
desolates
desolating
desolatingly
desolation
desolutions
desolative
desolator
desole
desonation
desophisticate
desophistication
desorb
desorbed
desorbing
desorbs
desorption
desoxalate
desoxalic
desoxyanisoin
desoxybenzoin
desoxychinchonine
desoxy corticosterone
desoxyephedrine
desoxy morphine
desoxyribonuclease
desoxyribonucleic
desoxyribonucleoprotein
desoxyribose
despair
despaired
despairer
despairful
despairfully
despairfulness
despairing
despairingly
despairingness
despairs
desparple
despatch
despatched
despatcher
despatchers
despatches
despatching
despeche
despecialization
despecialize
despecificate
despecification
despect
despectant
despeed
despend
desperacy
desperado
desperadoes
desperadoism
desperados
desperance
desperate
desperately
desperateness
desperation
despert
despicability
despicable
despicableness
despicably
despiciency
despine
despiritualization
despiritualize
despisable
despisableness
despisal
despise
despised
despisedness
despisement
despiser
despisers
despises
despising
despisingly
despite
despited
despiteful
despitefully
despitefulness
despiteous
despiteously
despites
despiteing
despitous
despoil
despoiled
despoiler
despoilers
despoiling
despoilment
despoilments
despoils
despoliation
despoliations
despone
desponde
despondece
despondencies
despondency
despondent
despondently
despondentness
desponder
despond
desponding
despondingly
desponds
despsonsage
despsonsate
despsonsories
despose
despot
despot's
despotatat
despotic
despoticical
despotically
despoticalness
despoticly
despotism
despotisms
despotist
despotize
despots
despouse
despraise
despumate
despumated
despumating
despumation
despume
desquamate
desquamated
desquamating
desquamation
desquamative
desquamatory
desray
dess
dessa
dessert
dessert's
desserts
dessertspoon
dessertspoonful
dessertspoonfuls
dessiatine
dessicate
dessil
dessous
dessus
destabilization
destabilize
destabilized
destabilizing
destain
destained
destaining
destains
destalinization
destalinize
destandardize
destemper
desterilization
desterilize
desterilized
desterilizing
destigmatization
destructing
destruction
destruction's
destructional
destructionism
destructionist
destructions
destructive
destructively
destructiveness
destructivism
destructivity
destructor
destructors
destructory
destructs
destructuralize
destrudo
destroy
destuff
destuffing
destuffs
desubstantialize
desubstantiate
desucrator
desucration
desudation
desuete
desuetude
desuetudes
desugar
desugared
desugaring
desugarize
desugars
desulfur
desulfurate
desulphurated
desulphurating
desulphuration
desulphured
desulphuring
desulphurisation
desulphurise
desulphurised
desulphuriser
desulphurising
desulphurization
desulphurize
desulfurized
desulfurizer
desulfurizing
desulfurs
desulphur
desulphurate
desulphurated
desulphurating
desulphuration
desulphuret
desulphurise
desulphurised
desulphurising
desulphurization
desulphurize
desulphurized
desulphurizer
desulphurizing
desultor
desultorily
desultoriness
desultorious
desultory
desume
desuperheater
desuvre
desyatin
desyl
desynapsis
desynaptic
desynchronize
desynchronizing
desynonymization
desynonymize
det
detach
detachability
detachable
detachableness
detachably
detache
detached
detachedly
detachedness
detacher
detachers
detaches
detaching
determinably
determinacy
determinant
determinant's
determinantal
determinants
determinate
determinately
determinateness
determining
determination
determinations
determinative
determinatively
determinativeness
determinator
determine
determined
determinedly
determinedness
determiner
determiners
determines
determining
determinism
determinist
deterministic
deterministically
determinists
determinoid
deterrability
deterrable
deterration
deterrad
deterrence
deterrent
deterrently
deterrents
deterrer
deterrers
deterring
deters
detersion
detersive
detersively
detorsiveness
detest
detorsion
detort
detour
detoured
detouring
detournement
detours
detoxicant
detoxicate
detoxicated
detoxicating
detoxication
detoxicator
detoxification
detoxified
detoxifier
detoxifies
detoxify
detoxifying
detract
detracted
detracter
detracting
detractingly
detraction
detractions
detractive
detractively
detractiveness
detactor
detactor's
detractors
detactory
detactress
detracts
detrain
detrained
detraining
detrainment
detrains
detraque
detray
detrect
detrench
detribalization
detribalize
detribalized
detribalizing
detriment
detrimental
detrimentality
detrimentally
detrimentalness
detriments
detrital
detrited
detrition
detritivorous
detritus
detritivorous
detroit
detruck
detrude
detruded
detrudes
detruding
detruncate
detruncated
detruncating
detruncation
detrusion
detrusive
detrusor
detruss
dette
detubation
detumescence
detumescent
detune
detuned
detuning
detur
deturb
deturn
deturpate
deucalion
deuce
deuced
deucedly
deuces
deucing
deul
deunam
deuniting
deurbanize
deurwaarder
deuterotokous
deuterotoky
deuterotype
deuterovitellose
deuterozooid
deutobromide
deutocarbonate
deutochloride
deutomala
deutomalal
deutomalar
deutomerite
deuton
deutonephron
deutonymph
deutonymphal
deutoplasm
deutoplasmic
deutoplastic
deutoscolex
deutovum
deutoxide
deutsche
deutschemark
deutschland
deutzia
deutzias
deux
deuzan
dev
deva
devachan
devadasi
deval
devall
devaloka
devalorize
devaluate
devaluated
devaluates
devaluating
devaluation
devaluations
devalue
devalued
devalues
devaluing
devanagari
devance
devant
devaporate
devaporation
devaraja
devarshi
devas
devast
devastate
devastated
devastates
devastating
devastatingly
devastation
devastations
devastative
devastator
devastators
devastavit
devaster
devata
devaul
devaunt
devchar
deve
devein
deveined
deveining
deveins
deval
develed
devalin
devaling
develop
developability
developable
develope
developed
developedness
development
developer
developers
developes
developing
developist
development
development's
developmental
devicefully
devicefulness
devices
devide
devil
devil's
devilbird
devildom
deviled
deviler
deviless
devilet
devilfish
devilfishes
devilhood
deviling
devilish
devilishly
devilishness
devilism
devility
devilize
devilized
devilizing
devilkin
devilkins
devilled
devillike
devilling
devilman
devilment
devilments
devilmonger
devilries
devilry
devils
devilship
deviltries
deviltry
devilward
devilwise
devilwood
devil
devinct
devinct
devious
deviously
deviousness
devirginate
devirgination
devirginator
devirilize
devisability
devisable
devisal
devisals
deviscerate
devisceration
device
devised
devisee
devisees
deviser
devisers
devises
devising
devisings
devisor
devisors
devisalisation
devisalise
devisalised
devisalising
devisalization
devisalize
devisalized
devisalizes
devisalizing
devisaminize
devisation
devisifiable
devisification
devisified
devisify
devisifying
devisificalisation
devisificalise
devisificalised
devisificalising
devisificalization
devisificalize
devisificalized
devisificalizing
devoice
devoiced
devoices
devoicing
devoid
devoir
devoirs
devolatilisation
devolatilise
devolatilised
devolatilising
devolatilization
devolatilize
devolatilized
devolatilizing
devolute
devolution
devolutionary
devolutionist
devolutive
devolve
devolved
devolvement
devolvements
devolves
devolving
devon
devonian
devonite
devonport
devons
devonshire
devoration
devorative
devot
devota
devotary
devote
devoted
devotedly
devotedness
devotee
devotee's
devoteeism
devotees
devotement
devoter
devotes
devoting
devotion
devotional
devotionalism
devotionalist
devotionality
devotionally
devotionalness
devotionary
devotionate
devotionist
devotions
devoto
devoir
devoirable
devoured
devourer
devourers
devouress
devouring
devouringly
devouringness
devourment
devours
devout
devoutful
devoutless
devoutlessly
devoutlessness
devoutly
devoutness
devoe
devow
devs
devulcanization
devulcanize
devulgarize
devvel
devwsor
dew
dewal
dewan
dewanee
dewani
dewanny
dewans
dewanship
dewar
dewata
dewater
dewatered
dewaterer
dewatering
dewatering
dewaters
dewax
dewaxed
dewaxes
dewing
dewbeam
dewberries
dewberry
dewcap
dewclaw
dewclawed
dewclaws
dewcup
dewdamp
dewdrop
dewdrop's
dewdropper
dewdrops
dewed
dewer
deweylite
dewfall
dewfalls
dewflower
dewier
dewiest
dewily
dewiness
dewinesses
dewing
dewitt
dewlap
dewlapped
dewlaps
dewless
dewlight
dewlike
dewool
dewooled
dewooling
dewools
deworm
dewormed
deworming
deworms
dewret
dewrot
dews
dewtry
dewworm
dewy
dex
dexamethasone
dexes
dexies
dexiocardia
dexiotrope
dexiotropic
dexiotropism
dexiotropous
dexter
dexterical
dexterity
dexterous
dexterously
dexterousness
dextorsal
dextrad
dextral
dextrality
dextrally
dextran
dextranase
dextrane
dextrans
dextraural
dextrer
dextrin
dextrinase
dextrinate
dextrine
dextrines
dextrinize
dextrinous
dextrins
dextro
dextroamphetamine
dextroaural
dextrocardia
dextrocardial
dextrocerebral
dextrocular
dextrocularity
dextroduction
dextroglucose
dextroglyrate
dextroglyration
dextroglyratory
dextogyre
dextogyrous
dextrolactic
dextrolimonene
dextromanual
dextropedal
dextropinene
dextrorotary
dextrorotatary
dextrorotation
dextrorotatory
dextrorsal
dextrorse
dextrorsely
dextrosazone
dextrose
dextroses
dextrosinistral
dextrosinistrally
dextrosuria
dextrotartaric
dextrotropic
dextrotropous
dextrous
dextrously
dextrousness
dextroversion
dey
deyhouse
deynt
deys
deyship
deywoman
deizn
dezincation
dezinced
dezincification
dezincified
dezincify
dezincifying
dezincing
dezincked
dezincking
dezincs
dezinkify
dezymotize
dfault
dft
dg
dgag
dghaisa
dha
dhabb
dhai
dhak
dhaks
dhal
dhaman
dhamma
dhanno

dhan
dhangar
dhanuk
dhanush
dharana
dharani
dharma
dharmakaya
dharmas
dharmashastra
dharmasmruti
dharmasutra
dharmic
dharmasala
dharna
dharnas
dhaura
dhauri
dhava
dhaw
dheri
dhikr
dhikrs
dhobee
dhobey
dhobi
dhobie
dhobies
dhobis
dhoby
dhole
dholes
dhoney
dhoni
dhooley
dhoolies
dhooly
dhoon
dhoora
dhooras
dhooti
dhootie
dhooties
dhootis
dhotee
dhoti
dhotis
dhoty
dhoul
dhourra
dhourras
dhow
dhows
dhu
dhunchee
dhunchi
dhurna
dhurnas
dhurra
dhurrie
dhurry
dhuti
dhutis
dhyal
dhyana
di
dia
diabantite
diabase
diabases
diabasic
diabaterial
diabetes
diabetic
diabetical
diabetics
diabetogenic
diabetogenous
diabetometer
diabetophobia
diable
diablene
diablerie
diableries
diablery
diable
diablet
diabletarch
diablearchy
diabletray
diablepsy
diabletic
diabolic
diabolical
diabolically
diabolicalness
diabolification
diabolifuge
diabolify
diabolisation
diabolise
diabolised
diabolising
diabolism
diabolist
diabolization
diabolize
diabolized
diabolizing
diabolo
diaboloidal
diabolology
diabolological
diabolony
diabolonian
diabolos
diabolus
diabrosis
diabrotic
diacanthous
diacatholicon
diacastic
diacetamide
diacetate
diacetic
diacetin
diacetine
diacetonuria
diaceturia
diacetyl
diacetylene
diacetylmorphine
diacetyls
diacaenium
diachoresis
diachoretic
diachronic
diachronically
diachronicness
diachrony
diachylon
diachylum
diachyma
diacid
diacidic
diacids
diacipiperazine
diaclase
diaclasis
diaclaste
diaclastic
diacl
diaclinal
diacoca
diacodion
diacodium
diacoele
diacoelidia
diaconelosis
diaconal
diaconate
diaconia
diaconica
diaconicon
diaconicum
diaconus
diaco
diacoustics
diakranterian
diakranteric
diakrise
diakritic
diakritical
diakritically
diakritics
diakromyodian
diact
diactin
diactinal
diactine
diactinic
diactinism
diaculum
diadelphia
diadelphian
diadelphic
diadelphous
diadem
diademed
diademing
diadems
diaderm
diadermic
diadic
diadokinesia
diadoche
diadochian
diadochic
diadochite
diadochokinesia
diadochokinesis
diadochokinetic
diadochy
diadokinesis
diadoumenos
diadrom
diadrome
diadromous
diadumenus
diaene
diaereses
diaeresis
diaeretic
diabetetae
diag
diagenesis
diagenetic
diagenetically
diageotropic
diageotropism
diageotropy
diaglyph
diaglyphic
diaglyptic
diagnosable
diagnose
diagnoseable
diagnosed
diagnoses
diagnosing
diagnosis
diagnostic
diagnostic's
diagnostical
diagnostically
diagnosticate
diagnosticated
diagnosticating
diagnostication
diagnostician
diagnosticians
diagnostics
diagometer
diagonal
diagonality
diagonizable
diagonalization
diagonalize
diagonally
diagonals
diagonalwise
diagonial
diagnostic
diagram
diagram's
diagramed
diagraming
diagrammable
diagrammatic
diagrammatically
diagrammatical
diagrammatically
diagrammatician
diagrammatize
diagrammed
diagrammer
diagrammer's
diagrammers
diagrammeter
diagramming
diagrammatically
diagrams
diagraph
diagraphic
diagraphical
diagraphics
diagraphs
diagredium
diagrydium
diaheliotropic
diaheliotropically
diaheliotropism
diaka
diakineses
diakinesis
diakineti
diakonika
diakonikon
dial
dialcohol
dialdehyde
dialect
dialect's
dialectal
dialectalize
dialectally
dialectic
dialectical
dialectically
dialectician
dialecticism
dialecticize
dialectics
dialectologer
dialectologic
dialectological
dialectologically
dialectologies
dialectologist
dialectology
dialector
dialects
dialed
dialer
dialers
dalin
dialiness
dialing
dialings
dialist
dialists
dialkyl
dialkylamine
dialkylic
diallage
diallages
diallagic
diallagite
diallagoid
dialled
diallel
diallela
dialleli
diallelon
diallelus
dialler
diallers
dialling
diallings
diallins
diallist
diallists
diallyl
dialog
dialog’s
dialoger
dialogers
dialoged
dialoging
dialogic
dialogical
dialogically
dialogised
dialogising
dialogism
dialogist
dialogistic
dialogistical
dialogistically
dialogite
dialogize
dialogized
dialogizing
dialogs
dialogue
dialogue’S
dialogued
dialoguer
dialogues
dialoguing
dials
dialup
dialuric
dialycarpous
dialypetalous
dialyphyllous
dialysability
dialysable
dialysate
dialysation
dialyse
dialysed
dialysepalous
dalyser
dialysers
dialyses
dialysing
dialysis
dialystaminous
dialystelic
dialystely
dialytic
dialytically
dialyzability
dialyzable
dialyzate
dialyzation
dialyzator
dalyze
dalyzed
dalyzer
dalyzers
dialyzes
dialyzing
diam
diamagnet
diamagnetic
diamagnetically
diamagnetism
diamagnetize
diamagnetometer
diamant
diamante
diamantiferous
diamantine
diamantoid
diamat
diamb
diana
diander
diandria
diandrian
diandrous
diane
dianetics
dianilid
dianilide
dianisidin
dianisidine
dianite
dianodal
dianoetic
dianoetical
dianoetically
dianoia
dianoialogy
dianthus
dianthuses
diantre
diapalma
diapase
diapasm
diapason
diapasonal
diapasons
diapause
diapased
diapauses
diapasing
diapedeses
diapedesis
diapedetic
diapensiaceous
diapente
diaper
diaper's
diapered
diapering
diapers
diapery
diaphane
diaphaneity
diaphanie
diaphanometer
diaphanometric
diaphanometry
diaphanoscope
diaphanoscopy
diaphanotype
diaphanous
diaphanously
diaphanousness
diaphany
diaphemetric
diaphone
diaphones
diaphonia
diaphonic
diaphonical
diaphonies
diaphony
diaphorase
diaphoreses
diaphoresis
diaphoretic
diaphoretical
diaphoretics
diaphorite
diaphote
diaphototropic
diaphototropism
diaphragm
diaphragm's
diaphragmal
diaphragmatic
diaphragmatically
diaphragmed
diaphragming
diaphragms
diaphtherin
diaphyseal
diaphyses
diaphysial
diaphysis
diapir
diapiric
diapirs
diaplases
diaplasis
diaplasma
diaplex
diaplexal
diapexus
diapnoe
diapnoic
diapnotic
diapophyses
diapophysial
diapophysis
diaporesis
diapositive
diapsid
diapsidan
diapses
diapyses
diapytic
diarch
diarchial
diarchic
diarchies
diarchy
diarchmia
diarial
diarian
diaries
diarist
diaristic
diarists
diarize
diarrhea
diarrheal
diarrheas
diarrheic
diarrhetic
diarrhoea
diarrhoeal
diarrhoeic
diarrhoetic
diarsenide
diarthic
diarthrodial
diarthroses
diarthrosis
diarticular
diary
diary's
dias
diaschisis
diaschisma
diaschistic
diastcope
diascopy
diascord
diascordium
diasene
diaskeuasis
diaskeuast
diasper
diaspidine
diaspine
diaspirin
diaspora
diasporas
diaspore
diaspores
diastalses
diastalsis
diastaltic
diastase
diastases
diastasic
diastasimetry
diastasis
diastataxic
diastataxy
diastatic
diastatically
diastem
diastema
diastemata
diastematic
diastematomyelia
diaster
diastereoisomer
diastereoisomeric
diastereoisomerism
diastereomer
diasters
diastimeter
diastole
diastoles
diastolic
diastomatic
diastral
diastrophe
diastrophic
diastrically
diastrophically
diastrophism
diastrophy
diastyle
diasynthesis
diasyrm
diasystem
diatessaron
diatesseron
diathermacy
diathermal
diathermance
diathermancy
diathermaneity
diathermanous
diathermia
diathermic
diathermies
diathermize
diathermometer
diathermotherapy
diathermous
diathermy
diatheses
diathestic
diathesis
diathetic
diatom
diatomacean
diatomaceous
diatomean
diatomic
diatomicity
diatomiferous
diatomin
diatomine
diatomist
diatomite
diatomous
diatoms
diatonic
diatonical
diatonically
diatonicism
diatonous
diatomic
diatribe
diatribe's
diatribes
diatribist
diatropic
diazotype
dib
dibase
dibasic
dibasicity
dibatag
dibbed
dibber
dibbers
dibbing
dibble
dibbled
dibbler
dibblers
dibbles
dibbling
dibbuk
dibbukim
dibbuks
dibenzophenazine
dibenzopyrrole
dibenzoyl
dibenzy1
dibhole
diblastula
diborate
dibrach
dibranch
dibranchiate
dibranchious
dibrom
dibromid
dibromide
dibromoacetaldehyde
dibromobenzene
dibs
dibstone
dibstones
dibucaine
dibutyl
dibutyrate
dibuty1n
dicacity
dicacodyl
dicaeology
dicalcic
dicalcium
dicarbonate
dicarbonic
dicarboxylate
dicarboxylic
dicarpellary
dicaryon
dicaryophase
dicaryophyte
dicaryotic
dicast
dicasteries
dicastery
dicastic
dicasts
dicatalectic
dicatalexis
dice
diceboard
dicebox
dicecup
diced
dicellate
diceman
dicentra
dicentras
dicentrin
dicentrine
dicentricalm
dicephalism
dicephalous
dicephalus
diceplay
dicer
dicerion
diceros
 dicers
dices
dicetyl
dicey
dich
dichas
dichasia
dichasial
dichasium
dichastasis
dichastic
dichlamydeous
dichlone
dichloramin
dichloramine
dichlorhydrin
dichloride
dichloroacetic
dichlorobenzene
dichlorodifluoromethane
dichlorodiphenyltrichloroethane
dichlorohydrin
dichloromethane
dichlorvos
dichocarpism
dichocarpous
dichogamic
dichogamous
dichogamy
dichondra
dichopodial
dichoptic
dichord
dichoree
dichotic
dichotically
dichotomal
dichotomic
dichotomically
dichotomies
dichotomisation
dichotomise
dichotomised
dichotomising
dichotomist
dichotomistic
dichotomization
dichotomize
dichotomized
dichotomizing
dichotomous
dichotomously
dichotomousness
dichotomy
dichotriaene
dichroic
dichroiscope
dichroiscopic
dichroism
dichroite
dichroitic
dichromasia
dichromasy
dicolic
dicolon
dicandalian
dicandalian
dicandalian
dicandalian

dicot

dicots

dicotyl
dicotyledon
dicotyledonary
dicotyledonous
dicotyledons
dicotyledons

dicotylous

dicotyls

dicoumarin
dicoumarol
dicranaceous
dicranoid
dicranerian
dicranostonyx
dicrotal
dicrotic
dicrotism
dicrotous
dict
dicta
dictograph
dictamen
dictamina
dictaphone
dictaphones
dictate
dictated
dictates
dictating
dictatingly
dictation
dictational
dictations
dictative
dictator
dictator's
dictatorial
dictatorialism
dictatorially
dictatorialness
dictators
dictatorship
dictatorships
dictary
dictatress
dictatrix
dictature
dictory
dictic
diction
dictional
dictionally
dictionarian
dictionaries
dictionary
dictionary's
dictions
dictograph
dictronics
dictum
dictum's
dictums
dicty
dictynid
dicyoceratine
dictyodromous
dictyogen
dictyogenous
dictyoid
dictyonine
dictyopteron
dictyosiphonaceous
dictysome
dictyosteole
dictyostelic
dictyotaceeous
dictyotic
dicyan
dicyandiamide
dicyanid
dicyanide
dicyanin
dicyanine
dicyanodium
dicyanogen
dicycle
dicyclic
dicycles
dicyclist
dicyclopentadienyliron
dicyely
dicyemid
dicynodont
did
didache
didact
didactic
didactical
didacticality
didactically
didactician
didacticism
didacticity
didactics
didactive
didacts
didactyl
didactylism
didactylos
didal
didapper
didappers
didascal
didascaliae
didascalic
didascalos
didascaly
didder
diddered
diddering
diddest
didries
diddikai
diddle
diddled
diddler
diddlers
diddles
diddling
diddy
didelp
didelphian
didelphic
didelphid
didelphine
didelphoid
didelphous
didepsid
didepside
didest
didgeridoo
didicy
didie
didies
didine
didle
didler
didn
didn't
didna
didnt
dido
didodecahedral
didodecahedron
didoes
didonia
didos
didrachm
didrachma
didrachmal
didrachmas
didric
didromies
didrmy
didst
diduce
diduced
diducing
diduction
diductively
diductor
didy
didym
didymate
didymia
didymis
didymitis
didymium
didymiums
didymoid
didymolite
didymous
didymus
didynamia
didynamian
didynamic
didynamies
didynamous
didynamy
die
dieb
dieback
diebacks
diecase
diecious
dieiciously
diectasis
died
diedral
diedric
diegesis
diego
diehard
diehards
dieing
diel
dieldrin
dieldrins
dielec
dielectric
dielectric's
dielectrical
dielectrically
dielectrics
dielike
diem
diemaker
diemakers
diemaking
diencephala
diencephalic
diencephalon
diencephalons
diene
diener
dienes
dier
diereses
dieresis
dieretic
dies
diesel
dieselization
dieselize
dieselized
dieselizing
diesels
dieses
diesinker
diesinking
desis
diester
diesters
diestock
diestocks
diestrous
diestrual
diestrum
diestrums
diestrus
diestruses
diet
dietal
dietarian
dietaries
dietarily
dietary
dited
dieter
dieters
dietetic
dietetical
dietetically
dietects
dietetist
diethanolamine
diether
diethyl
diethylacetal
diethylamide
diethylamine
diethylaminoethanol
diethylenediamine
diethyllethanolamine
diethylmalonylurea
diethylstilbestrol
diethylstilboestrol
diethyltryptamine
dietic
dietical
dietician
dieticians
dietics
dieties
detine
dieting
dietist
dietitian
dietitian's
dietitians
dietotherapeutics
dietotherapy
dietotoxic
dietotoxicity
dietrichite
diets
dieted
diety
dietzeite
dieugard
diewise
diezeugmenon
dif
diferrion
diff
diffame
differeation
diffarreation
diffeomorphic
diffeomorphism
differ
differed
differen
difference
difference's
differenced
differences
differencing
differencingly
differency
different
differentia
differentiability
differentiable
differentiae
differential
differential's
differentialize
differentially
differentials
differentiant
differently

diffuseness
diffusible
diffusibility
diffusibly
diffuseness
diffuser
diffusers
diffuses
diffusibility
diffusible
diffusibleness
diffusibly
diffusimeter
diffusing
diffusiometer
diffusion
diffusional
diffusionism
diffusionist
diffusions
diffusive
diffusively
diffusiveness
diffusivity
diffusor
diffusors
dfluence
difluoride
diformin
difunctional
dig
digallate
digallic
digametic
digamies
digamist
digamists
dighted
dighter
dighting
dights
digit
digit's
digital
digitallein
digitalic
digitaliform
digitalin
digitalis
digitalism
digitalization
digitalize
digitalized
digitalizing
digitally
digitals
digate
digitated
digitately
digation
digitiform
digitigrade
digitigradism
digitinervate
digitinerved
digitipinnate
digitisation
digitise
digitised
digitising
digitization
digitize
digitized
digitizer
digitizes
digitizing
digitogenin
digitonin
digitoplantar
digitorium
digitoxigenin
digitoxin
digitoxose
digitron
digits
digitule
digitus
digladiate
digladiated
digladiating
digladiation
digladiator
diglossia
diglot
diglots
diglottic
diglottism
diglottist
diglucoside
diglyceride
diglyph
diglyphic
digmeat
dignation
digne
dignification
dignified
dignifiedly
dignifiedness
dignifies
dignify
dignifying
dignitarial
dignitarian
dignitaries
dignitary
dignitas
dignities
dignity
dignosce
dignosle
dignotion
digonal
digoneutic
digoneutism
digonoporous
digonous
digoxin
digoxins
digram
digraph
digraphic
digraphically
dihydrite
dihydrochloride
dihydrcupreine
dihydrocuprin
dihydroergotamine
dihydrogen
dihydrol
dihydromorphinone
dihydroraphthalene
dihydrnicotine
dihydrpsphingosine
dihydrostreptomycin
dihydrotachysterol
dihydroxy
dihydroxyacetone
dihydroxysuccinic
dihydroxytoluene
dihysteria
diiamb
diiambus
diiodid
diiodide
diiodo
diiodoform
diiodotyrosine
diipenates
diisatogen
dijjudicant
dijudicate
dijudicated
dijudicating
dijudication
dika
dikage
dikamali
dikamalli
dikaryon
dikaryophage
dikaryophobic
dikaryophyte
dikaryophytic
dikaryotic
dikast
dikdik
dikdiks
dike
dike's
diked
dikegrave
dikelet
dikelocephalid
dikephobia
diker
dikereeve
dikeria
dikerion
dikers
dikes
dikeside
diketene
diketo
diketone
diking
dikkop
diksha
diktat
diktats
diktyonite
dil
dilacerate
dilacerated
dilacerating
dilaceration
dilactic
dilactone
dilambdodont
dilamination
dilaniate
dilantin
dilapidate
dilapidated
dilapidating
dilapidation
dilapidator
dilatability
dilatable
dilatableness
dilatably
dilatancy
dilatant
dilatants
dilatate
dilatation
dilatational
dilatations
dilatative
dilatator
dilatatory
dilate
dilated
dilatedly
dilatedness
dilatement
dilatation
dilatation
dilater
dilaters
dilates
dilating
dilatingly
dilation
dilations
dilative
dilatometer
dilatometric
dilatometrically
dilatometry
dilator
dilatorily
dilatoriness
dilators
dilatory
dildo
dildoe
dildoes
dildos
dilection
dilemma
dilemma's
dilemmas
dilemmatic
dilemmatical
dilemmatically
dilemmic
dilettant
dilettanist
dilettant
dilettante
dilettanteish
dilettanteism
dilettantes
dilettanteship
dilettanti
dilettantish
dilettantism
dilettantist
dilettantship
diligence
diligences
diligency
diligent
diligentia
diligently
diligentness
dilis
diker
dill
dillenia
dilleniaceous
dilleniad
dillesk
dilli
dillier
dillies
dilligrout
dilling
dillis
dillisk
dills
dillseed
dillue
dilluer
dillweed
dilly
dillydallied
dillydallier
dillydallies
dillydally
dillydallying
dillyman
dillymen
dilo
dilogarithm
dilogical
dilogy
dilos
dilucid
dilucidate
diluendo
diluent
diluents
dilutant
dilute
diluted
dilutedly
dilutedness
dilutee
dilutely
diluteness
dilutent
diluter
diluters
dilutes
diluting
dilution
dilutions
dilutive
dilutor
dilutors
diluvia
diluvial
diluvialist
diluvian
diluvianism
diluviate
diluvian
diluvions
diluvium
diluviums
diluvy
dim
dimagnesic
dimane
dimanganion
dimanganous
dimaris
dimastigate
dimber
dimberdamber
dimble
dime
dime's
dimedon
dimedone
dimenhydrinate
dimensible
dimension
dimensional
dimensionality
dimensionally
dimensioned
dimensioning
dimensionless
dimensions
dimensive
dimensum
dimensuration
dimer
dimeran
dimercaprol
dimercuric
dimercurion
dimercury
dimeric
dimeride
dimerism
dimerisms
dimerization
dimerize
dimerized
dimerizes
dimerizing
dimerlie
dimerous
dimers
dimes
dimetallic
dimeter
dimeters
dimethoate
dimethoxy
dimethoxymethane
dimethyl
dimethylamine
dimethylamino
dimethylaniline
dimethylanithranilate
dimethy1benzene
dimethylcarbinol
dimethyldiketone
dimethylhydrazine
dimethylketol
dimethylketone
dimethylmethane
dimethylnitrosamine
dimethyls
dimethylsulfoxide
dimethylsulphoxide
dimethyltryptamine
dimetient
dimetria
dimetric
dimetrodon
dimication
dimidiate
dimidiated
dimidiating
dimidiation
dimin
diminish
diminishable
diminishableness
diminished
diminisher
diminishes
diminishing
diminishingly
diminishingturns
diminishment
dimishments
diminue
diminuendo
diminuendoed
diminuendoes
diminuendos
diminuent
diminutal
diminate
diminated
diminutely
diminuting
diminution
diminutional
diminutions
diminutival
diminutive
diminutively
diminutiveness
diminutivize
dimiss
dimissaries
dimission
dimissorial
dimissory
dimit
dimities
dimitted
dimitting
dimity
dimly
dimmable
dimmed
dimmedness
dimmer
dimmer's
dimmers
dimmest
dimmet
dimming
dimmish
dimmit
dimmock
dimmy
dimness
dimnesses
dimolecular
dimoric
dimorph
dimorphic
dimorphism
dimorphisms
dimorphite
dimorphotheca
dimorphous
dimorphs
dimout
dimouts
dimple
dimpled
dimplement
dimples
dimplier
dimpliest
dimpling
dimply
dimps
dimpsy
dims
dimuence
dimwit
dimwits
dimwitted
dimwittedly
dimwittedness
dimyarian
dimyaric
dinyary
din
dinamode
dinanderie
dinaphthyl
dinar
dinarchies
dinarchy
dinars
dinder
dindle
dindled
dindles
dindling
dindon
dine
dined
diner
diner

dinegare

dino
diner

dineros

diners
dines
dinetic
dinette
dinettes
dineuric

dineutron
ding
dingar
dingbar
dingbat
dingbats
dingdong
dingdondged

dingdonging
dingdongs
dinge
dinged

dingee
dingeing

dinger
dingey
dingeys

dinghee

dinghies

dinghy

dingier
dingies
dingiest
dingily
dinginess
dinging
dingle
dingleberry
dinglebird
dingled
dingledangle
dingles
dingling
dingly
dingman
dingmaul
dingo
dingoes
dings
dingthrift
dingus
dinguses
dingwall
dingy
dinheiro
dinic
dinical
dinichthyid
dining
dinitrate
dinitril
dinitrile
dinitro
dinitrobenzene
dinitrocellulose
dinitrophenol
dinitrophenylhydrazine
dinitrotoluene
dink
dinked
dinkey
dinkeys
dinkier
dinkies
dinkiest
dinking
dinkly
dinks
dinkum
dinky
dinman
dinmont
dinned
dinner
dinner's
dinnerless
dinnerly
dinners
dinnertime
dinnerware
dinnery
dinning
dinoceras
dinoceratan
dinoceratid
dinoflagellate
dinomic
dinornis
dinornithic
dinornithid
dinornithine
dinornithid
dinos
dinosaur
dinosaurian
dinosauric
dinosaurs
dinothere
dinotherian
dins
dinsome
dint
dinted
dinting
dintless
dints
dinucleotide
dinumeration
dinus
diobely
diobol
diobolton
diobolons
diobols
dioc
diocesan
diocesans
diopsides
diopsidic
diopsimeter
dioptase
dioptases
diopter
diopters
dioptograph
dioptometer
dioptometry
dioptomiter
dioptoscopy
dioptra
dioptral
dioptrate
dioptre
dioptres
dioptic
dioptrical
dioptically
dioptrics
dioptron
dioptronm
dioptronmetry
dioptronscopy
dioptry
diorama
dioramas
dioramic
diordinal
diorism
diorite
diorites
dioritic
diororthoses
diorothosis
diorothotic
dioscoreaceous
dioscorein
dioscorine
dioscuri
diose
diosgenin
diosmin
diosmose
diosmosed
diosmosing
diosmosis
diosmotic
diosphenol
diospyraceous
diota
diothelism
dioti
diotic
diotrephe
diovular
dioxan
dioxane
dioxanes
dioxid
dioxide
dioxides
dioxids
dioxime
dioxin
dioxindole
dioxy
dip
diparentum
dipartite
dipartition
dipaschal
dipchick
dipcoat
dipentene
dipentone
dipentine
dipeptid
dipeptidase
dipeptide
dipetalous
dipetto
diphase
diphaser
diphasic
diphead
diphenan
diphenhydramine
diphenol
diphenoxylate
diphenyl
diphenylacetylene
diphenylamine
diphenylaminchlorarsine
diphenylchloroarsine
diphenylene
diphenylenimide
diphenylenimine
diphenylguanidine
diphenylhydantoin
diphenylmethane
diphenylquinomethane
diphenyls
diphenylthiourea
diphonia
diphosgene
diphosphate
diphosphid
diphosphide
diphosphoric
diphosphothiamine
diphrelatic
diphteria
diphtherial
diphtherian
diphtheriaphor
diphtheric
diphtheritic
diphtheritically
diphteritis
diphtheroid
diphtheroidal
diphtherotoxin
diphtong
diphtongal
diphtongalize
diphtongally
diphtongation
diphtonged
diphtongia
diphtongic
diphtonging
diphtongisation
diphtongise
diphtongised
diphtongising
diphtongization
diphtongize
diphtongized
diphtongizing
diphtongous
diphtongs
diphyceryal
diphycery
diphyesis
diphygenic
diphyletic
diphyllous
diphyodont
diphyozooid
diphysite
diphyzooid
dipicrate
dipicrylamin
dipicrylamine
dipl
diplacuses
diplacensis
diplanar
diplanetic
diplanetism
diplantidian
diplarthrism
diplarthrous
diplasiasmus
diplasic
diplasion
diple
diplegia
diplegias
diplegic
dipleidoscope
dipleiodoscope
dipleura
dipleural
dipleuric
dipleurobranchiate
dipleurogenesis
dipleurogenetic
dipleurula
dipleurulas
dipleurule
diplex
diplexer
diplobacillus
diplobacterium
diploblastic
diplocardia
diplocardiac
diplocaulescent
diplocaulescent
diplocephalous
diplocephalus
diplocephaly
diplochlamydeous
diplococcal
diplococcemia
diplococci
diplococcic
diplococcoid
diplococcus
diploconical
diplocoria
diplodocus
diplodocuses
diploe
diploes
diploetic
diplogangliate
diplogenesis
diplogenetic
diplogenic
diploglossate
diplograph
diplographic
diplographical
diplography
diplohedral
diplohedron
diploic
diptoid
diploidic
diploidies
diploidion
diploidize
diploids
diploidy
diplois
diplokaryon
diploma
diploma's
diplomacies
diplomacy
diplomaed
diplomaing
diplomas
diplomat
diplomat's
diplomata
diplomate
diplomates
diplomatic
diplomatical
diplomatically
diplomatics
diplomatique
diplomatism
diplomatist
diplomatists
diplomatize
diplomatized
diplomatology
diplomats
diplomyelia
diplonema
diplonephridia
diploneural
diplont
diplontic
diplonts
diploperistomic
diplophase
diplophonia
diplophonic
diplophyte
diplopa
diplopiaphobia
diplopias
diptopic
diploplacala
diploplacalar
diploplaculate
diplopod
diplopodid
diplopodous
diplopods
diplopterous
diptopy
diploses
diplosis
diplosome
diplosphenal
diplosphene
diplospondylid
diplospondylism
diplostemonous
diplostemony
diplostichous
diplotegia
dips
dipsacaceous
dipsaceous
dipsades
dipsadine
dipsas
dipsetic
dipsey
dipsie
dipso
dipsomania
dipsomaniac
dipsomaniacal
dipsomaniacs
dipsopathy
dipsos
dipsosis
dipstick
dipsticks
dipsy
dipt
dipter
diptera
dipteraceous
dipterad
dipteral
dipteran
dipterans
dipterist
dipterocarp
dipterocarpaceous
dipterocarpous
dipterococcidium
dipteroi
dipterological
dipterologist
dipterology
dipteron
dipteros
dipterous
dipterus
dipterygian
diptote
diptyca
diptycas
diptych
diptychon
diptychs
dipus
dipware
dipygi
dipygus
dipylon
dipyramid
dipyramidal
dipyre
dipyrenous
dipyridyl
diquat
diquats
dir
diradiation
direcane
dird
dirdum
dirdums
dire
directly
direct
directable
directcarving
directdiscourse
directed
directer
directest
directeur
directexamination
directing
direction
direction's
directional
directionality
directionalize
directionally
directionize
directionless
directions
directitude
directive
directive's
directively
directiveness
directives
directivity
directly
directness
directoire
director
director's
directorial
directorate
directorate
directorially
directories
directors
directorship
directorships
directory
directory's
directress
directrices
directrix
directrices
directs
direful
direfully
direfulness
direly
dirempt
diremption
direnness
dirennesses
direption
diner
direst
direx
direxit
dirge
dirge's
dirged
dirgeful
dirgelike
dirgeman
dirges
dirgie
dirging
dirgler
dirgy
dirham
dirhams
dirhem
dirhinous
dirige
disabused
disabuses
disabusing
disacceptance
disaccharid
disaccharidase
disaccharide
disaccharides
disaccharose
disaccommodate
disaccommodation
disaccommodate
disaccord
disaccordance
disaccordant
disaccredit
disaccustom
disaccustomed
disaccustomedness
disacidified
disacidify
disacknowledge
disacknowledgement
disacknowledgements
disacquaint
disacquaintance
disacryl
disadjust
disadorn
disadvance
disadvanced
disadvancing
disadvantage
disadvantage's
disadvantaged
disadvantagedness
disadvantageous
disadvantageously
disadvantageousness
disadvantages
disadvantageing
disadventure
disadventurous
disadvise
disadvised
disadvising
disaffection
disaffectionation
disalignment
dislike
dissalliege
disallow
disallowable
disallowableness
disallowance
disallowances
disallowed
disallowing
disallows
disally
disaltern
disambiguate
disambiguated
disambiguates
disambiguating
disambiguation
disambiguations
disamenity
disamis
disanagrammatize
disanalogous
disanalogy
disanchor
disangelical
disangularize
disanimal
disanimate
disanimated
disanimating
disanimation
disannex
disannexation
disanne

disannul
disannulled
disannuller
disannulling
disannulment
disannuls
disano

disanswerable
disapostle
disapparel
disappear
disappearance
disappearance's
disarranged
disarrangement
disarrangements
disarranger
disarranges
disarranging
disarray
disarrayed
disarraying
disarrays
disarrest
disarticulate
disarticulated
disarticulating
disarticulation
disarticulator
disasinate
disasinate
disasemblable
disassembled
disassembler
disassembles
disassembling
disassembly
disassent
disassiduity
disassimilate
disassimilated
disassimilating
disassimilation
disassimilative
disassociable
disassociate
disassociated
disassociates
disassociating
disassociation
disaster
disaster's
disasterly
disasters
disastimeter
disastrous
disastrously
disastrousness
disattaint
disattire
disattune
disbenching
disbenchment
disbend
disbind
disblame
disbloom
disboard
disbodied
disbody
disbogue
disboscation
disbosom
disbosomed
disbosoming
disbosoms
disbound
disbowel
disboweled
disboweling
disbowelled
disbowelling
disbowels
disbrain
disbranch
disbranched
disbranching
disbud
disbudded
disbudder
disbudding
disbuds
disburden
disburdened
disburdening
disburdenment
disburdens
disburgeon
disbursable
disbursal
disbursals
disburse
disbursed
disbursement
disbursement's
disbursements
disburser
disburses
disbursing
disburthen
disbury
disbutton
disc
disc's
discabinet
discage
discal
discalceate
discalced
discamp
discandy
discanonization
discanonize
discanonized
discant
discanted
discanter
discanting
discants
discantus
discapacitate
discard
discardable
discarded
discar
discarding
discardment
discards
discarnate
discarnation
discase
discased
dise
discases
discasing
discaste
discatter
disc'd
discede
discept
disceptation
disceptator
discepted
discepting
discepts
discern
discernable
discernableness
discernably
discerned
discerner
discerners
discernibility
discernible
discernibleness
discernibly
discerning
discerningly
discernment
discerns
discerp
discerped
discerpibility
discerpible
discerpibleness
discerping
discerptibility
discerptible
discerptibleness
discerption
discerptive
discession
discharacter
discharge
dischargeable
discharged
dischargee
discharger
dischargers
discharges
discharging
discharity
discharm
dischase
dischevel
dischurch
disci
discide
disciferous
discifloral
disciflorous
disciform
discigerous
disinct
discind
discing
discinoid
disciple
disciple's
disciplered
disciplelike
disciples
discipleship
disciplinability
disciplinable
disciplinableness
disciplinarily
disciplinal
disciplinant
disciplinarian
disciplinarianism
disciplinarians
disciplinarily
disciplinarity
disciplinary
discipline
disciplined
discipliner
discipliners
disciplines
discipling
disciplining
discipular
discircumspection
discission
discitis
disclaim
disclaimant
disclaimed
disclaimer
disclaimers
disclaiming
discclaim
disclamatory
disclaimer
discloak
disco
discolorations
discolored
discoloredness
discoloring
discolorization
discolorment
discolors
discocolour
discoulered
discourting
discolourization
discombobulate
discombobulated
discombobulates
discombobulating
discombobulation
discomedusan
discomedusoid
discomfit
discomfited
discomfiter
discomfiting
discomfits
discomfiture
discomfort
discomfortable
discomfortableness
discomfortably
discomforted
discomforter
discomforting
discomfortingly
discomforts
discommend
discommendable
discommendableness
discommendably
discommendation
discommender
discommission
discommode
discommode
discommoded
discommodes
discommoding
discommodious
discommodously
discommodiousness
discommodities
discommodity
discommon
discommoned
discommoning
discommons
discommune
discommunity
discomorula
discompanied
discomplexion
discompliance
discompose
discomposed
discomposedly
discomposedness
discomposes
discomposing
discomposingly
discomposure
discompt
discomycete
discomycetous
disconanthous
disconcert
disconcerted
disconcertedly
disconcertedness
disconcerting
disconcertingly
disconcertingness
disconcertion
disconcertment
disconcerts
disconcord
disconduce
disconducive
disconfirm
disconfirmation
disconfirmed
disconform
disconformable
disconformably
disconformities
disconformity
discongruity
disconjure
disconnect
discontinuity
discontinuity's
discontinuor
discontinuous
discontinuously
discontinuousness
disconula
disconvenience
disconvenient
disconventicle
discophile
discophoran
discophore
discophorous
discoplacenta
discoplacental
discoplacentalian
discoplasm
discopodous
discord
discordable
discordance
discordancies
discordancy
discordant
discordantly
discordantness
discorded
discorder
discordful
discording
discordous
discords
discorporate
discorrespondency
discorrespondent
discos
discost
discostate
discostomatous
discotheque
discotheques
discothque
discounsel
discount
discountable
discounted
discounted
discountenanced
discountenancer
discountenances
discountenancing
discounter
discounters
discounting
discountinuous
discounts
discouple
discour
discourage
discourageable
discovered
discouraged
discouragedly
discouragement
discouragements
discourager
discourages
discouraging
discouragingly
discouragingness
discourse
discourse's
discoursed
discourseless
discourser
discoursers
discourses
discoursing
discoursive
discoursively
discoursiveness
discourt
discourteous
discourteously
discourteousness
discourtesies
discourtesy
discourtship
discous
discoveranant
discover
discoverability
discoverable
discoverably
discovered
discoverer
discrete
discretely
discretiveness
discriminability
discriminable
discriminably
discriminal
discriminant
discriminantal
discriminate
discriminated
discriminately
discriminateness
discriminates
discriminating
discriminatingly
discriminatingness
discrimination
discriminational
discriminations
discriminative
discriminatively
discriminativeness
discriminator
discriminatorily
discriminators
discriminatory
discriminoid
discriminious
discrive
discrown
discrowned
discrowning
discrowningment
discrows
discruicate
discs
discubation
discubitory
disculpate
disculpation
disculpatory
discumb
discumber
discure
discuren
discurre
discurrent
discursative
discursativeness
discursify
discursification
discursively
discursiveness
discursory
discursus
discertain
discuss
discusses
discuss
discussible
discussant
discussants
discussed
discusser
discusses
discussible
discussing
discussion
discussion's
discussional
discussionis
discussionism
discussionist
discussions
discursive
discussment
discustom
discutable
discute
discutient
disdain
disdainable
disdain
disdain
isdainer
disdainful
disdainfully
disdainfulness
disdaining
disdainly
isdainous
isdains
isdar
disdeceive
disdeify
disdein
disdenominationalize
disdiacclusis
disdiaclast
disdiaclastic
disdiapason
disdiapastic
disdiapason
disdiazo
disdiplomatize
disdodecahedroid
disdub

disease

diseased

diseasedly

diseasedness

diseaseful

diseasefulness

diseases

diseaseing

diseasy

diseconary

diseconomy

disedge

disedification

disedify

diseducate

disegno

diselder

dis electrification

dis electrify

diselenid

diselenide

disematism

disemblalm

disembarago

disembaragoed

disembargoing

disembark

disembarkation

disembarkations

disembarked

disembarking

disem barkment

disembarks

disembarrass

disembarrassed

disembarrassment

disembattle

disem bay

Open Source Used In CSPC_Collector 2.9.1 11396
disembled
disembellish
disembitter
disembocation
disembodied
disembodies
disembodiment
disembodiments
disembodied
disemboguement
disemboguing
disembosom
disembowel
disemboweled
disemboweling
disembowelled
disembowelling
disembowelment
disembowelments
disembowels
disembower
disembrace
disembrangle
disembroil
disembrailment
disembrain

disembl

disenchain
disenchant
disenchanted
disenchanter
disenchanting
disenchantingly
disenchantment
disenchantments
disenchantress
disenchants
 disencharm
disenclose
disencourage
disencroase
disencumber
disencumbered
disencumbering
disencumberment
disencumbers
disencumbrance
disendow
disendowed
disendower
disendowing
disendowment
disendows
disenfranchise
disenfranchised
disenfranchisement
disenfranchisements
disenfranchises
disenfranchising
disengage
disengaged
disengagedness
disengagement
disengagements
disengages
disengaging
disengirdle
disenjoy
disenojoyment
disennu
 disenroll
disensanity
disenshroud
disenslave
disensoul
disensure
disentail
disentailment
disentangle
disentangled
disentanglement
disentanglements
disentangler
disentangles
disentangling
disenter
disenthral
disenthral
disenthralled
disenthralling
disenthrallement
disenthralls
disenthralment
disenthrone
disenthroned
disenthronement
disenthroning
disentitle
disentitled
disentitlement
disentitling
disentomb
disentombment
disentraced
disentrail
disentrain
disentainment
disentrammel
disentrance
disentranced
disentrancement
disentrancing
disentwine
disentwined
disentwining
disenvelop
disepalous
disequality
disequalization
disequalize
disequalizer
disequilibrate
disequilibration
disequilibria
disequilibrium
disequilibrums
disert
disespouse
disestablish
disestablished
disestablisher
disestablishes
disestablishing
disestablishment
disestablishmentarian
disestablishmentarianism
disestablishismentarian
disestablishismentarianism
disesteem
disesteemed
disesteemer
disesteeming
disestimation
diseur
diseurs
diseuse
diseuses
disexchange

disexercise
disfaith
disfame
disfashion
disfavor
disfavored
disfavorer
disfavoring
disfavors
disfavour
disfavourable
disfavoured
disfavourer
disfavouring
disfeature
disfeatured
disfeaturement
disfeaturing
disfellowship
disfen
disfiguration
disfigurative
disfigure
disfigured
disfigurement
disfigurements
disfigurer
disfigures
disfiguring
disfiguringly
disflesh
disfoliage
disfoliaged
disforest
disforestation
disform
disformity
disfortune
disframe
disfranchise
disfranchised
disfranchisement
disfranchisements
disfranchiser
disfranchisers
disfranchises
disfranchising
disfranchise
disfrequent
disfriar
disfrock
disfrocked
disfrocking
disfrocks
disfurnish
disfurnished
disfurnishment
disfurniture
disgage
disgallant
disgarland
disgarnish
disgarrison
disgavel
disgaveled
disgaveling
disgavelled
disgavelling
disgeneric
disgenic
disgenius
disgig
disglorify
disglory
disglut
disgood
disgorged
disgorge
disgorgement
disgorger
disgorges
disgorging
disgospel
disgospelize
disgout
disgown
disgrace
disgraced
disgraceful
disgracefully
disgracefulness
disgracement
disgracer
disgracers
disgraces
disgracia
disgracing
disgracious
disgracive
disgradation
disgrade
disgraded
disgrading
disgradulate
disgregate
disregated
disregulating
disregulation
disgress
disgross
disgrumble
disgruntled
disgrumpling
disgruntles
disgruntling
disguisable
disguisal
disguisay
disguise
disguised
disguisedly
disguisedness
disguiseless
disguisement
disguisements
disguiser
disguises
disguising
disgulf
disgust
disgusted
disgustedly
disgustedness
disguster
disgustful
disgustfully
disgustfulness
disgusting
disgustingly
disgustingness
disgusts
dish
dishabilitate
dishabilitation
dishabile
dishabit
dishabitied
dishabituate
dishabituated
dishabituating
dishable
dishallow
dishallucination
disharmonic
disharmonical
disharmonies
disharmonious
disharmonise
disharmonised
disharmonising
disharmonism
disharmonize
disharmonized
disharmonizing
disharmony
dishaunt
dishboard
dishcloth
dishcloths
dishclout
dishcross
dishheart
dishhearten
dishheartened
dishheartenedly
dishheartener
dishheartening
dishhearteningly
dishheartenment
dishheartens
dishheathing
dishheaven
dished
disheir
dishellenize
dishelm
dishelmed
dishelming
dishelms
disher
disherent
disherison
disherit
disherited
disheriting
disheritment
disheritor
disherits
dishes
dishevel
disheveled
disheveling
dishevelled
dishevelling
dishevelment
dishevelments
dishevels
dishevely
dishexecontahedroid
disimprove
disimprovement
disincarcerate
disincarceration
disincarnate
disincarnation
 disincentive
 disinclination
 disinclinations
 disincline
 disinclined
 disinclines
 disinclining
 disincluse
 disincorporate
 disincorporated
 disincorporating
 disincorporation
 disincrease
 disincrust
 disincrustant
 disincrustion
 disindividualize
 disinfect
 disinfectant
 disinfectants
 diselected
 disinfecter
 disinfecting
 disinfection
 disinfections
 disinfective
 disinfecter
 disinfects
 diseinfeld
 disinfest
 disinfestant
 disinfestation
 disinfedation
 disinflame
 disinflate
 disinflected
 disinfleting
 disinfating
 disinfation
 disinfationary
 disinformation
 disingenious
 disingenuity
 disingenuous
disingenuously
disingenuousness
disinhabit
disinherison
disinherit
disinheritable
disinheritance
disinheritances
disinherited
disinheriting
disinherits
disinhibition
disinhumed
disinhuming
disinsection
disinsectionization
disinsulation
disinsure
disintegrable
disintegrant
disintegrate
disintegrated
disintegrates
disintegrating
disintegration
disintegrationist
disintegrations
disintegrative
disintegrator
disintegrators
disintegratory
disintegrity
disintegrous
disintensify
disinter
disinteress
disinterest
disinterested
disinterestedly
disinterestedness
disinteresting
disintermediation
disinterment
disinterred
disinterreing
disinters
disintertwine
disinthrall
disintoxicate
disintoxicating
disintrench
disintricate
disinure
disinvagination
disinvest
disinvestiture
disinvestment
disinvigorate
disinvite
disinvolve
disinvolvement
disjasked
disjasket
disjaskit
disject
disjected
disjecting
disjection
disjects
disjeune
disjoin
disjoinable
disjoined
disjoining
disjoins
disjoint
disjointed
disjointedly
disjointedness
disjointing
disjointly
disjointness
disjoints
disjointure
disjudication
disjunct
disjunction
disjunctions
disjunctive
disjunctively
disjunctor
disjuncts
disjuncture
disjune
disk
disk's
disked
diskelion
disker
diskery
diskette
diskettes
diskindness
disking
diskless
disklike
disknow
diskography
diskophile
disks
disks
dislade
dislady
dislaurel
disleaf
disleafed
disleafing
disleaf
disleave
disleaved
disleaving
dislegitimate
dislevelment
disli
dislicense
dislikable
dislike
dislikeable
disliked
dislikeful
dislikelihood
disliken
dislikeness
disliker
dislikers
dislikes
disliking
dislimb
dislimn
dislimned
dislimning
dislimns
dislink
dislip
dislive
disilluminate
disload
dislocability
dislocable
dislocate
dislocated
dislocatedly
dislocatedness
dislocates
dislocating
dislocation
dislocations
dislocator
dislocatory
dislock
dislodge
dislodgeable
dislodged
dislodgement
dislodges
dislodging
dislodgment
disloign
dislove
disloyal
disloyalist
disloyally
disloyalties
disloyalty
disluster
disclustered
disclustering
dislustre
dislustred
dislustering
dismail
dismain
dismal
dismaler
dismalest
dismalities
dismality
dismalize
dismally
dismalness
dismals
disminion
disminister
dismiss
dismissable
dismittal
dismissal's
dismissals
dismissed
dismisser
dismissers
dismisses
dismissible
dismissing
dismissingly
dismission
dismissive
dissimor
dismit
dismoded
dismortgage
dismortgaged
dismortgaging
dismount
dismountable
dismounted
dismounting
dismounts
dismutation
disna
disnatural
disnaturalization
disnaturalize
disnature
disnatured
disnaturating
disnest
disnew
disney
disneyland
disniches
disnosed
disnumber
disobedience
disobedient
disobediently
disobey
disobeyal
disobeyed
disobeyer
disobeyers
disobeying
disobeys
disobligation
disobligatory
disoblige
disobligeed
disobliger
disobliges
disobliging
disobligingly
disobligingness
disobstruct
disoccentent
disocclude
disoccluded
disoccluding
disoccupation
disoccupied
disoccupy
disoccupying
disodic
disodium
disomatic
disomatous
disomaty
disomic
disomus
disoperation
disoperculate
disopinion
disoppilate
disorb
disorchard
disordain
disordained
disordeine
disorder
disordered
disorderedly
disorderedly
disorderededness
disordereder
disorderering
disorderliness
disorderly
disorders
disordinance
disordinate
disordinated
disordination
disorganic
disorganise
disorganised
disorganiser
disorganising
disorganization
disorganize
disorganized
disorganizer
disorganizers
disorganizes
disorganizing
disorient
disorientate
disorientated
disorientates
disorientating
disorientation
disoriented
disorienting
disorients
disour
disown
disownable
disowned
disowning
disownment
disowns
disoxidate
disoxygenate
disoxigenation
disozonize
disp
dispense
dispaint
dispair
dispand
dispansive
dispapalize
dispar
disparadise
disparage
disparageable
disparaged
disparagement
dispelled
dispeller
dispelling
dispells
dispels
dispence
dispend
dispended
dispenser
dispending
dispensious
dispensiously
dispenditure
dispends
dispensability
dispensable
dispensableness
dispensaries
dispensary
dispense
dispenses
dispenser
dispensers
dispensers
dispensable
dispensableness
dispensaries
dispensary
dispense
dispensed
dispenser
dispensers
dispensers
dispensable
dispensing
dispensingly
dispensive
dispeople
dispeopled
dispeoplement
dispeopler
dispeopling
disperato
dispergate
dispergated
dispergating
dispergation
dispergator
disperge
dispericraniate
disperiwig
dispermic
dispermous
dispermy
disperple
dispersal
dispersals
dispersant
disperse
dispersed
dispersedelement
dispersedly
dispersedness
dispersedye
dispersement
disperser
dispersers
disperses
dispersibility
dispersible
dispersing
dispersion
dispensions
dispersity
dispersive
dispersively
dispersiveness
dispersoid
dispersoidological
dispersoidology
dispensalize
dispensonate
dispensonification
dispensonify
dispetal
disphenoid
dispicion
dispiece
dispirem
dispireme
dispirit
dispirited
dispiritedly
dispiritedness
dispiriting
dispiritingly
dispiritment
dispirits
dispiteous
dispiteously
dispiteousness
displace
displaceability
displaceable
displaced
displacement
displacement's
displacements
displacency
displacer
displaces
displacing
displant
displanted
displanting
displants
displat
display
displayable
displayed
displayer
displaying
dispays
disple
displeasance
displeasant
displease
displeased
displeasedly
displeaser
displeases
displeasing
displeasingly
displeasingness
displeasurably
displeasure
displeasureable
displeasureably
displeased
displeasurement
displeasures
displeasuring
displenish
displience
displidency
displode
disploded
displodes
disploding
displosion
displume
displumed
displumes
displuming
displuviate
dispoint
dispond
dispondaic
dispondee
dispone
disponed
disponee
disponent
disoner
disponge
disponing
dispope
dispopularize
disporous
disport
disported
disporting
disportive
disportment
disports
disposability
disposable
disposableness
disposal
disposal's
disposals
dispose
disposed
disposedly
disposedness
disposement
disposer
disposers
disposes
disposing
disposingly
disposit
disposition
disposition’s
dispositional
dispositionally
dispositioned
dispositions
dispositive
dispositively
dispositor
disposed
dispossess
dispossessed
dispossesses
dispossessing
dispossession
dispossessor
dispossessory
dispost
disposure
dispowder
dispractice
dispaise
dispraised
dispraiser
dispraising
dispraisingly
dispread
dispreader
dispreading
dispreads
disprejudice
disprepare
dispress
disprince
disprison
disprivacied
disprivilege
disprize
disprized
disprizes
disprizing
disprobabilization
disprobabilize
disprobative
disprofess
disprofit
disprofitable
dispromise
disproof
disproofs
disproperty
disproportion
disproportionable
disproportionableness
disproportionably
disproportional
disproportionality
disproportionally
disproportionalityness
disproportionate
disproportionately
disproportionateness
disproportionates
disproportionation
disproportions
dispropriate
disprovable
disproval
disprove
disproved
disprovement
disproven
disprover
disproves
disprovide
disproving
dispulp
dispunct
dispunge
dispunishable
dispunitive
dispurpose
dispurse
disurvey
disputability
disputable
disputableness
disputably
disputacity
disputant
disputants
disputation
disputations
disputatious
disputatiuously
disputatiousness
disputative
disputatively
disputativeness
disputator
dispute
disputed
disputeful
disputeless
disputer
disputers
disputes
disputing
disputisoun
disqualifiable
disqualification
disqualifications
disqualified
disqualifies
disqualify
disqualifying
disquantity
disquarter
disquiet
disquieted
disquietedly
disquietedness
disquieten
disquieter
disquieting
disquietingly
disquietingness
disquietly
disquietness
disquiets
disquietude
disquietudes
disquiparancy
disquiparant
disquiparation
disquisit
disquisite
disquisited
disquisiting
disquisition
disquisitional
disquisitionary
disquisitions
disquisitive
disquisitively
disquisitor
disquisitorial
disquisitory
disquixote
disraeli
disrange
disrank
disrate
disrated
disrates
disrating
disray
disrealize
disreason
disrecommendation
disregard
disregardable
disregardance
disregardant
disregarded
disregarder
disregardful
disregardfully
disregardfulness
disregarding
disregards
disregular
disrelate
disrelated
disrelation
disrelish
disrelishable
disremember
disrepair
disreport
disreputability
disreputable
disreputableness
disreputably
disreputation
disrepute
disreputed
disrespect
disrespectability
disrespectable
disrespecter
disrespectful
disrespectfully
disrespectfulness
disrespective
disrespondency
disrest
disrestore
disreverence
disring
disrobe
disrobed
disrohement
disrober
disrobers
disrobes
disrobing
disroof
disroost
disroot
disrooted
disrooting
disroots
disrout
disrudder
disruddered
disruly
disrump
disrupt
disruptability
disruptable
disrupted
disrupter
disrupting
disruption
disruption's
disruptionist
disruptions
disruptive
disruptively
disruptiveness
disruptment
disruptor
disrupts
disruption
diss
dissait
dissatisfaction
dissatisfaction's
dissatisfactions
dissatisfactorily
dissatisfactoriness
dissatisfactory
dissatisfied
dissatisfiedly
dissatisfiedness
dissatisfies
dissatisfy
dissatisfying
dissatisfyingly
dissaturate
dissava
dissavage
dissave
dissaved
dissaves
dissaving
dissavs
discect
discecter
discectered
discectre
discectred
disceptring
discussive
disseason
disseat
disseated
disseat
dissecting
dissectional
dissections
dissective
dissector
dissectors
dissects
disseise
dissentiency
dissentent
dissentently
dissentients
dissenting
dissentingly
dissention
dissentious
dissentiously
dissentism
dissentive
dissentment
dissents
dissepiment
dissepimental
dissert
dissertate
dissertated
dissertating
dissertation
dissertation's
dissertational
dissertationist
dissertations
dissertative
dissertator
disserted
disserting
disserts
disserve
diserved
disserves
disservice
disserviceable
disserviceableness
disserviceably
disservices
disserving
dissettle
dissettlement
dissever
dissoeverance
dissoeveration
dissoevered
dissoevering
dissoeverment
dissevers
disshadow
dissheathe
dissheathed
disship
disshiver
disshrond
dissidence
dissident
dissident's
dissidently
dissidents
dissight
dissightly
dissilience
dissilency
dissilient
dissilition
dissimilar
dissimilarities
dissimilarity
dissimilarity's
dissimilarly
dissimilars
dissimilate
dissimilated
dissimilating
dissimulation
dissimilative
dissimilatory
dissimile
dissimilitude
dissimulate
dissimulated
dissimulates
dissimulating
dissimulation
dissimulations
dissimulative
dissimulator
dissimulators
dissimule
dissimuler
dissinew
dissipable
dissipate
dissipated
dissipatedly
dissipatedness
dissipater
dissipaters
dissipates
dissipating
dissipation
dissipations
dissipative
dissipativity
dissipator
dissipators
dissite
dissernder
dissociability
dissociable
dissociableness
dissociably
dissocial
dissociality
dissocialize
dissociant
dissociate
dissociated
dissociates
dissociating
dissociation
dissociations
dissociative
dismoconch
dissogeny
dissogony
dissolubility
dissoluble
dissolubleness
dissolute
dissolutely
dissoluteness
dissolution
dissolution’s
dissolutional
dissolutionism
dissolutionist
dissolutions
dissolutive
dissolvability
dissolvable
dissolvableness
dissolvative
dissolve
dissolveability
dissolved
dissolvent
dissolver
dissolves
dissolving
dissolvingly
dissonance
dissonances
dissonancies
dissonancy
dissonant
dissonantly
dissonate
dissonous
dissoul
dissour
disspirit
disspread
disspreading
distate
dissuadable
dissuade
dissuaded
dissuader
dissuades
dissuading
dissuasion
dissuasions
dissuasive
dissuasively
dissuasiveness
dissuasory
dissue
dissuit
dissuitable
dissuited
dissunder
dissweeten
dissyllabic
dissyllabification
dissyllabify
dissyllabise
dissyllabised
dissyllabising
dissyllabism
dissyllabize
dissyllabized
dissyllabizing
dissyllable
dissymmetric
dissymmetrical
dissymmetrically
dissymmetry
dissymmettric
dissympathize
dissympathy
dist
distad
distaff
distaffs
distain
distained
distaining
distains
distal
distale
distalia
distally
distalwards
distance
distanced
distanceless
distances
distancing
distancy
distannic
distant
distantly
distantness
distaste
distasted
distasteful
distastefully
distastefulness
distastes
distasting
distater
distaves
distelfink
distemonous
distemper
distemperance
distemperate
distemperature
distempered
distemperedly
distemperedness
distemperer
distempering
distemperment
distemperoid
distemperure
distenant
distend
distended
distendedly
distendedness
distender
distending
distends
distensibilities
distensibility
distensible
distensile
distension
distensions
distensive
distent
distention
distentions
dister
disterminate
dister
disthene
disthrale
disthron
disthroned
disthroning
distich
distichal
distichiasis
distichous
distichously
distichs
distil
distilleries
distillery
distill
distillable
distillage
distilland
distillate
distillates
distillation
distillations
distillator
distillatory
distilled
distiller
distilleries
distillers
distillery
distilling
distillment
distillmint
distills
distilment
distils
distinct
distincter
distinctest
distinctify
distinctio
distinction
distinction's
distinctional
distinctionless
distinctions
distinctity
distinctive
distinctively
distinctiveness
distinctly
distinctness
distinctor
distingu
distingue
distiguee
distinguish
distinguishability
distinguishable
distinguishableness
distinguishably
distinguished
distinguishedly
distinguisher
distinguishes
distinguishing
distinguishingly
distinguishment
distintion
distitle
distn
distoclusion
distoma
distomatosis
distomatous
distome
distomes
distomian
distomiiasis
distort
distortable
distorted
distortedly
distortedness
distorter
distorters
distorting
distortion
distortion's
distortional
distortionist
distortionless
distortions
distortive
distorts
distr
distract
distracted
distractedly
distractedness
distracter
distractibility
distractable
distractile
distracting
distractingly
distraction
distraction's
distractions
distractive
distractively
distracts
distrail
distrain
distrainable
distrained
distrainee
distrainer
disubstituted
substitution
disulfate
disulfid
disulfide
disulfids
disulfiram
disulfonic
disulfoton
disulfoxid
disulfoxide
disulfuret
disulfuric
disulphate
disulphid
disulphide
disulphonate
disulphone
disulphonic
disulphoxid
disulphoxide
disulphuret
disulphuric
disunified
disuniform
disuniformity
disunify
disunifying
disunion
disunionism
disunionist
disunions
disunite
disunited
disuniter
disuniters
disunits
disunities
disuniting
disunity
disusage
disusance
disuse
disused
disuses
disusing
disutility
disutilize
ditchbank
ditchbur
ditchdigger
ditchdigging
ditchdown
ditched
dicher
ditchers
ditches
ditching
ditchless
ditchside
ditchwater
dite
diter
diterpene
ditertiary
dites
ditetragonal
ditetrahedral
dithalous
dithecal
dithecous
ditheism
ditheisms
ditheist
ditheistic
ditheistical
ditheists
dithematic
dither
dithered
ditherer
dithering
dithers
dithery
dithiobenzoic
dithioglycol
dithioic
dithiol
dithion
dithionate
dithionic
dithionite
dithionous
dithymol
dithyramb
dithyrambic
dithyrambically
dithyrambs
diting
dition
ditokous
ditoly1
ditone
ditrematous
ditremid
ditrichotomous
ditriglyph
ditriglyphic
ditrigonal
ditrigonally
ditrochean
ditrochee
ditrochous
ditroite
dits
ditt
dittamy
dittander
dittanies
dittany
dittay
dited
ditted
ditties
ditning
ditto
dittoed
dittoes
dittogram
ditograph
ditographic
ditography
dittoing
ditologies
dittology
ditton
dittos
ditty
dittying
diumvirate
diuranate
diureide
diureses
diuresis
diuretic
diuretical
diuretically
diureticalness
diuretics
diurn
diurnal
diurnally
diurnalness
diurnals
diurnation
diurne
diurnule
diuron
diurons
diuturnal
diuturnity
div
diva
divagate
divagated
divagates
divagating
divagation
divagational
divagationally
divagations
divagatory
divalence
divalent
divan
divan's
divans
divaporation
divariant
divaricate
divaricated
divaricately
divaricating
divaricatingly
divarication
divaricator
divas
divast
divata
dive
divebomb
dived
divekeeper
divel
divell
divelled
divellent
divelicate
divelling
diver
diverb
diverberate
diverge
diverged
divergement
divergence
divergence's
divergences
divergencies
divergency
diverenge
divergent
divergently
diverges
diverging
divergingly
divers
diverse
diversely
diverseness
diversicolored
diversifiability
diversifiable
diversification
diversifications
diversified
diversifier
diversifies
diversiflorate
diversiflorous
diversifoliate
diversifoliaceous
diversiform
diversify
diversifying
diversion
diversional
diversionary
diversionist
diversions
diversipedate
diversisporous
diversities
diversity
diversly
diversory
divert
diverted
divertedly
diverter
diversers
divertibility
divertible
diverticle
diverticula
diverticular
diverticulate
diverticulitis
diverticulosis
diverticulum
divertila
divertimenti
divertimento
divertimentos
diverting
divertingly
divertingness
divertise
divertisement
divertissant
divertissement
divertissements
divertive
divertor
diverts
dives
divest
divested
divestible
divesting
divestitive
divestiture
divestitures
divestment
divests
divesture
divet
divi
divia
divid
dividable
dividableness
dividant
divide
divided
dividedly
dividedness
dividend
dividend's
dividends
dividendus
divident
divider
dividers
divides
dividing
dividingly
dividivis
dividual
dividualism
dividually
dividuity
dividuous
divinability
divinable
divinail
divination
divinations
divinator
divinatory
divine
divined
divinely
divineness
diviner
divineress
diviners
divines
divinesse
divinest
diving
divinified
divinify
divinifying
divining
diviningly
divinisation
divinise
divinised
divinis
divinising
divinister
divinistre
divinities
divinity
divinity's
divinityship
divinization
divinize
divinized
divinizes
divinizing
divinyl
divisa
divise
divisi
divisibilities
divisibility
divisible
divisibleness
divisibly
division
division's
divisional
divisionally
divisionary
divisionism
divisionist
divisionistic
divisions
divisive
divisively
divisiveness
divisor
divisor's
divisorial
divisors
divisory
divisural
divorce
divorceable
divorced
divorcee
divorcees
divorcement
divorcements
divorcer
divorcers
divorces
divorcese
divorcible
divorcing
divorcive
divort
divot
divoto
divots
divulgate
divulgated
divulgater
divulgating
divulgation
divulgator
divulgatory
divulge
divulged
divulgement
divulgence
divulgements
divulger
divulgers
divulges
divulging
divulse
divulsed
divulsing
divulsion
divulsive
divulsor
divus
divvied
divvies
divvy
divvying
diwan
diwani
diwans
diwata
dix
dixain
dixene
dixie
djibouti
djin
djinn
djinni
djinns
djinny
djins
dk
dkg
dkl
dkm
dks
dl
dl

The text below is not relevant to the document:

Open Source Used In CSPC_Collector 2.9.1  11449
dobermans
dobie
dobies
dobl
dobla
doblas
doblon
doblones
doblons
dobos
dobra
dobrao
dobras
dobroes
dobson
dobsonflies
dobsonfly
dobsons
dobule
doby
dobzhansky
doc
docent
docents
docentship
docetae
docetic
docetism
dochmiac
dochmiacal
dochmiasis
dochmii
dochmius
dochter
docibility
docible
docibleness
docile
docilely
docilities
docility
docimasia
docimases
docimastic
docimastical
docimasy
docimology
docious
doctorfish
docofishes
doctoddorhood
doctoddorial
doctoddorially
doctoddoring
doctoddorization
doctoddorize
doctoddorless
doctoddorlike
doctoddorly
doctoddors
doctoddors'commons
doctoddorship
doctoess
doctoctrineable
doctoctrineaire
doctoctrinarism
doctoolnal
doctoolnalism
doctoolnalist
doctoolnality
doctrinally
doctrinarian
doctrinarianism
doctrinarially
doctrinarinarity
doctrinarinary
doctrinate
doctrin
doctrine's
doctrines
doctrininism
doctrinist
doctrinization
doctrinize
doctrininized
doctrininizing
doctrix
doctus
docudorama
docudramas
document
documentable
documental
documentalist
documentarian
documentaries
dodecane
dodecanoic
dodecant
dodecapartite
dodecapetalous
dodecaphonic
dodecaphonically
dodecaphonism
dodecaphonist
dodecaphony
dodecarch
dodecarchy
dodecasemic
dodecastylar
dodecastyle
dodecastylos
dodecasyllabic
dodecasyllable
dodecatemory
dodecatoic
dodecatyl
dodecatylic
dodecuplet
dodecyl
dodecyene
dodecylene
dodecyclic
dodecylphenol
dodgasted
dodge
dodged
dodgeful
dodger
dodgeries
dodgers
dodgery
dodges
dodgier
dodgiest
dodgily
doginess
dodging
dodgy
dodipole
dodgin

dodman

dodo

dodoes
doggers
doggery
doggess
dogget
doggie
doggier
doggies
doggiest
dogging
doggish
doggishly
doggishness
doggle
doggo
doggone
doggoned
doggoneder
doggonedest
doggoner
doggones
doggonest
doggoning
doggrel
doggrelize
doggrels
doggy
doghead
doghearted
doghole
doghood
doghouse
doghouses
dogie
dogies
dogleg
doglegged
doglegging
doglegs
dogless
doglike
dogly
dogma
dogma's
dogman
dogmas
dogmata
dogmatic
dogmatical
dogmatically
dogmaticalness
dogmatician
dogmatics
dogmatisation
dogmatise
dogmatised
dogmatiser
dogmatising
dogmatism
dogmatist
dogmatists
dogmatization
dogmatize
dogmatized
dogmatizer
dogmatizing
dogmeat
dogmen
dogmouth
dognap
dognaped
dognaper
dognapers
dognaping
dognapped
dognapper
dognapping
dognaps
dogplate
dogproof
dogs
dogsbodies
dogsbody
dogship
dogshore
dogskin
dogsled
dogsleds
dogsleep
dogstail
dogstone
dogstones
dogtail
dogteeth
dogtie
dogtooth
dogtothing
dogtrick
dogtrot
dogtrots
dogtrotted
dogtrotting
dogvane
dogvanes
dogwatch
dogwatches
dogwinkle
dogwood
dogwoods
dogy
doh
dohickey
dohter
doigt
doigte
doiled
doilies
doily
doina
doing
doings
doit
doited
doitkin
doitrified
doits
dojigger
dojiggy
dojo
dojos
doke
dokhma
dokimastic
dol
dola
dolabra
dolabrate
dolabre
dolabriform
dolcan
dolce
dolcemente
dolci
dolcian
dolciano
dolcinist
dolcino
dolcissimo
doldrum
doldrums
dole
doleance
doled
dolefish
doleful
dolefuller
dolefullest
dolefully
dolefulness
dolefuls
dolent
dolente
dolentissimo
dolently
dolerin
dolerite
dolerites
doleritic
dolerophanite
doles
dolesman
dolesome
dolesomely
dolesomeness
doless
doey
dolf
doli
dolia
dolichoblonld
dolichocephal
dolichocephali
dolichocephalic
dolichocephalism
dolichocephalize
dolichocephalous
dolichocephaly
dolichocercic
dolichocnemic
dolichocranial
dolichocranic
dolichocrany
dolichofacial
dolichohieric
dolichopellic
dolichopodous
dolichoprosopic
dolichos
dolichosaur
dolichosaurus
dolichostyloous
dolichotmema
dolichuric
dolichurus
dolina
doline
doling
dolioform
dolisie
dolite
dolittle
dolium
doll
doll’s
dollar
dollarbird
dollardee
dollardom
dollarfish
dollarfishes
dollarleaf
dollars
dollarwise
dollbeer
dolldom
dolled
dolley
dolface
dolfaced
dollfish
dollhood
dollhouse
dollhouses
dollia
dollie
dollied
dollier
dollies
dollin
dolliness
dolling
dollish
dollishly
dollishness
dollmaker
dollmaking
dollop
dollops
dolls
dollship
dolly
dolly's
dollying
dollyman
dolymen
dollyway
dolman
dolmans
dolmas
dolmen
dolmenic
dolmens
dolomite
dolomites
dolomitic
dolomitise
dolomitised
dolomitising
dolomitization
dolomitize
dolomitized
dolomitizing
dolomization
dolomize
dolor
dolores
doloriferous
dolorific
dolorifuge
dolorimeter
dolorimetric
dolorimetrically
dolorimetry
dolorogenic
doloroso
dolorous
dolorously
dolorousness
dolors
dolos
dolose
dolour
dolours
dolous
dolphin
dolphin's
dolphinfish
dolphinfishes
dolphinlike
dolphins
dols
dolt
dolthead
doltish
doltishly
doltishness
dolts
dolus
dolven
dom
domable
domage
domain
domain's
domainal
domains
domajig
domajigger
domal
domani

domani

domarium
domatophobia
domba
domboc
domdamoni
dome
domed
domelike
doment
domer
domes
domesday
domesdays
domestic
domesticability
domesticable
domesticality
domestically
domesticate
domesticated
domesticates
domesticating
domestication
domestications
domesticative
domesticator
domesticities
domesticity
domesticize
domesticized
domestics
domett
domeykite
domic
domical
domically
domic
domicile
domiciled
domicilement
domiciles
domiciliar
domiciliary
 domiciliate
domiciliated
domiciliating
domiciliation
domiciliii
domiciling
domicils
domiculture
domification
domify
domina
dominae
dominance
dominancy
dominant
dominantly
dominants
dominate
dominated
dominates
dominating
dominatingly
domination
dominations
dominative
dominator
dominator
domine
dominee
domineer
domineered
domineerer
domineering
domineeringly
domineeringness
domineers
domines
doming
domini
dominial
dominica
dominical
dominicale
dominican
dominicans
dominick
dominicker
dominicks
dominie
dominies
dominion
dominionism
dominionist
dominions
dominique
dominium
dominiums
domino
dominoes
dominos
dominule
dominus
domitable
domite
domitic
domn
domnei
domoid
dompt
dompteuse
donet
doney
dong
donga
donging
dongola
dongolas
dongon
dongs
doni
donicker
donis
donjon
donjons
donk
donkey
donkey's
donkeyback
donkeyish
donkeyism
donkeyman
donkeymen
donkeys
donkeywork
donna
donnard
donnas
donne
donned
donnee
donnees
donnerd
donnered
donnert
donnick
donning
donnish
donnishly
donnishness
donnism
donnock
donnot
donny
donnybrook
donnybrooks
donor
donors
donorship
donought
donovan
dons
donship
donsie
donsky
donsy
dont
donum
donut
donuts
donzel
donzella
donzels
do
doob
doocot
doobab
doobad
doobads
doobah
dooble
dooblebug
doobleled
doobler
dooblers
doobles
dooblesack
doobling
doobskop
doohickey
doohickeyes
doohickus
doohinkey
doohinkus
doójja
doök
doöket
doökkit
doool
doolee
doolees
dooley
doolfu
doooli
dooolie
dooolies
doooly
doom
doomage
doombook
doomed
doomer
doomful
doomfully
doomfulness
dooming
doomlike
dooms
doomsayer
doomsday
doomsdays
doomsman
doomstead
doomster
doomsters
doomwatcher
doon
dooputty
door
door's
doorba
doorbell
doorbells
doorboy
doorbrand
doorcase
doorcheek
doored
doorframe
doorhawk
doorhead
dooring
doorjamb
doorjambs
doorkeep
doorkeeper
doorknob
doorknobs
doorless
doorlike
doormaid
doormaker
doormaking
doorman
doormat
doormats
door men
doornail
doornails
doornboom
doorse piece
doorn plate
doorn plates
doorn post
doorn posts
doors
doors ill
doors ill s
doorn stead
doorn step
doorn step's
doorn steps
doorn stone
doorn stop
doorn stops
doorn ward
doorn way
doorn way's
doorn ways
doorn weed
doorn wise
doorn yard
doorn yards
doorn over
doorn xi dize
doorn er
doorn ers
doorn zies
doorn zies
doop
dop
dop a
dop a mel an in
dop amine
dop ami n erg ic
dop ami n erg ics
dop ant
dop ants
dop ox idase
dop as
dop atta
dop chick
dope
dope book
doria
dorian
doric
dories
dorippid
doris
dorism
dorize
dorje
dorking
dorlach
dorlot
dorm
dormancies
dormancy
dormant
dormantly
dormer
dormered
dormers
dormette
dormeuse
dornice
dornie
dormient
dormilona
dornin
dormins
dormitary
dormition
dormitive
dormitories
dormitory
dormitory's
dormmice
dormouse
dorms
dormy
dorn
dorneck
dornecks
dornic
dornick
dornicks
dornock
dornocks
doronicum
dorosacral
doroscentral
dorosternal
dorothy
dorp
dorper
dorpers
dorps
dorr
dorrbeetle
dorrs
dors
dorsa
dorsabdominal
dorsabdominally
dorsad
dorsal
dorsale
dorsales
dorsalgia
dorsalis
dorsally
dorsalmost
dorsals
dorsalward
dorsalwards
dorse
dorsel
dorser
dorsers
dors
dorsibranch
dorsibranchiate
dorsicollar
dorsicolumn
dorsicommissure
dorsicornu
dorsiduct
dorsiferous
dorsifixed
dorsiflex
dorsiflexion
dorsiflexor
dorsigerous
dorsgrade
dorsilateral
dorsilumbar
dorsmedian
dorsimesal
dorsimeson
dorsiparous
dorsipinal
dorsispinal
dorsiventral
dorsiventrality
dorsiventrally
dorsoabdominal
dorsoanterior
dorsoapical
dorsocaudad
dorsocaudal
dorsocentral
dorsocephalad
dorsocephalic
dorsocervical
dorsocervically
dorsodynia
dorsoepitrochlear
dorsointercostal
dorsointestinal
dorsolateral
dorsolum
dorsolumbar
dorsomedial
dorsomedian
dorsomesal
dorsonasal
dorsonuchal
dorsopleural
dorsoposteriad
dorso-posterior
dorsoradial
dorsosacral
dorsocapular
dorsosternal
dorsothoracic
dorsoventrad
dorsoventral
dorsoventrality
dorsoventrally
dorsula
dorsulum
dorsum
dorsumbonal
dort
dorter
dortiness
dossiere
dossiers
dossil
dossils
dossing
dossman
dossmen
dossy
dost
dostoevsky
dot
dot’s
dotage
dotages
dotal
dotant
dotard
dotardism
dotardly
dotards
dotardy
dotarie
dotate
dotation
dotations
dotchin
dote
doted
doter
doters
dotes
doth
dother
dothingaceous
dothingenteritis
dotier
dotiest
dotiness
doting
dotingly
dotingness
dotish
dotishness
dotkin
dotless
dotlet
dotlike
dotriacontane
dots
dottard
dotted
dottedness
dottel
dottels
doter
doterel
doterels
dotters
dottie
dottiest
dottily
dottiness
dotting
dottle
dottled
dotter
dottler
dottles
dottling
dottrel
dottrels
dotty
doty
douane
douanes
douanier
douar
doub
double
doubled
doubledamn
doubleganger
doublegear
doublehanded
doublehandedly
doublehandedness
doublehatching
doubleheader
doubleheaders
doublehearted
doubleheartedness
doublehorned
doublehung
doubleleaf
doubleluneged
doubleness
doubleprecision
douce
doucely
douceness
doucepere
doucet
douceur
douceurs
douche
douched
douches
douching
doucine
doucker
douder
dough
doughbellies
doughbelly
doughbird
doughboy
doughboys
doughface
doughfaceism
doughfeet
doughfoot
doughfoots
doughhead
doughier
doughiest
doughiness
doughlike
doughmaker
doughmaking
doughman
doughmen
doughnut
doughnut's
doughnuts
doughs
dought
doughtier
doughtiest
doughtily
doughtiness
doughty
doughy
dougl
douglas
doukhobor
doulce
doulocracy
doum
douma
doumaist
doumas
doundake
doup
douper
douping
doupion
doupioni
doupioni
dour
doura
dourade
dourah
dourahs
douras
dourer
dourest
douricoi
dourine
dourines
dourly
dourness
dournesses
douroucouli
douse
doused
douser
dousers
douses
dousing
dout
douter
doutous
douvecot
doux
douzaine
douzaines
douzainier
douzeper
douzepeers
douzieme
douziemes
dove
dowdyism
dowed
dowel
doweled
doweling
dowelled
dowelling
dowels
dower
doweral
dowered
doweress
doweries
dowering
dowerless
dowers
dowery
dowf
dowfart
dowfacky
dowie
dowily
dowiness
dowing
dowitch
dowitcher
dowitchers
dowl
dowlas
dowlless
dowly
dowment
down
downbear
downbeard
downbeat
downbeats
downbend
downbent
downby
downbye
downcast
downcastly
downcastness
downcasts
downcome
downcomer
downcomes
downless
downlie
downlier
downligging
downlike
downline
downlink
downlinked
downlinking
downlinks
download
downloadable
downloaded
downloading
downloads
downlooked
downlooker
downlying
downmost
downness
downpipe
downplay
downplayed
downplaying
downplays
downpour
downpouring
downpours
downrange
downright
downrightly
downrightness
downriver
downrush
downrushing
downs
downset
downshare
downshift
downshifted
downshifting
downshifts
downshore
downside
downsinking
downsetting
downsize
downsized
downsizes
downsizing
downslide
downsliding
downslip
downslope
downsmen
downsome
downspout
downstage
downstair
downstairs
downstate
downstater
downsteepy
downstream
downstreet
downstroke
downstrokes
downswing
downswings
downtake
downdrow
downdrown
downdrust
downtime
downtimes
downtown
downtowner
downtowns
dowtrampling
downtreading
downtrend
downtrends
downtrod
downtrodden
downtroddenness
downturn
downturned
downturns
downward
downwardly
downwardness
downwards
downwarp
downwash
downway
downweed
downweigh
downweight
downweighted
downwind
downwith
downy
dowp
dowress
dowries
dowry
dows
dowsabel
dowsabels
dowse
dowsed
dowser
dowsers
dowses
dowset
dowsets
dowsing
dowve
dowy
doxa
doxastic
doxasticicon
doxie
doxies
doxographer
doxographical
doxography
doxological
doxologically
doxologies
doxologize
doxologized
doxologizing
doxology
doxy
doxycycline
doyen
doyenne
doyennes
doyens
doyley
doyleys
doylies
doylt
drabnesses
drabs
dracaena
dracaenas
drachen
drachm
drachma
drachmae
drachmai
drachmal
drachmas
drachms
dracin
dracma
draco
dracone
draconian
draconic
draconically
draconin
draconites
draconitic
dracontinent
dracontiasis
dracontic
dracontine
dracontites
dracunculus
drad
dradge
draegerman
draegermen
draff
draffier
draffiest
draffish
draffman
draffs
draffsack
draffy
draft
draftable
draftage
drafted
draftee
draftees
drafter
drafters
draftier
draftiest
draftily
draftiness
drafting
draftings
draftman
draftmanship
draftproof
drafts
draftsman
draftsmanship
draftsmen
draftsperson
draftswoman
draftswomanship
draftswoman
drafty
drag
dragade
dragaded
dragading
dragbar
dragboat
dragbolt
dragee
dragees
drageoir
dragged
dragger
draggers
draggier
draggliest
draggily
dragginess
dragging
draggingly
draggle
draggled
draggles
draggletail
draggletailed
draggletailedly
draggletailedness
draggling
draggily
draggy
draghound
dragline
draglines
dragman
dragnet
dragnets
drago
dragoman
dragomanate
dragomanic
dragomanish
dragomans
dragomen
dragon
dragon's
dragonade
dragonesque
dragoness
dragonet
dragonets
dragonfish
dragonishes
dragonflies
dragonfly
dragonhead
dragonhood
dragonish
dragonism
dragonize
dragonkind
dragonlike
dragonnade
dragonne
dragonroot
dragons
dragontail
dragonwort
dragoon
dragoonable
dragoonade
dragoonage
dragooned
dragooner
dragooning
dragoons
dragrope
dragropes
drags
dragsaw
dragsawing
dragshoe
dragsman
dragsmen
dragstaff
dragster
dragsters
drahtthaar
drail
drailed
draling
drails
drain
drainable
drainage
drainages
drainageway
drainboard
draine
drained
drainer
drainerman
drainermen
drainers
drainfield
draining
drainless
drainman
drainpipe
drainpipes
drains
drainspout
drain tile
drainway
draisene
draisine
drake
drakefly
drakelet
drakes
drakestone
drakestone
drakonite
dram
drama
drama's
dramalogue
dramamine
dramas
dramatic
dramatical
dramatically
dramaticism
dramaticle
dramatics
dramaticule
dramatis
dramatisable
dramatise
dramatised
dramatiser
dramatising
dramatism
dramatist
dramatist's
dramatists
dramatizable
dramatization
dramatizations
dramatize
dramatized
dramatizer
dramatizes
dramatizing
dramaturge
dramaturgic
dramaturgical
dramaturgically
dramaturgist
dramaturgy
drame
dramm
dammach
dammage
dramme
dammed
drammer
dramming
drammock
drammocks
drams
dramseller
dramshop
dramshops
drang
drank
drant
drapability
drapeable
drape
drapeability
drapeable
draped
draper
draperess
draperied
draperies
drapers
drapery
drapery's
drapes
drapet
drapetomania
draping
drapping
drassid
drastic
drastically
drat
drathe
drate
drats
dratted
dratting
draught
draught's
draughtboard
draughted
draught
draught
draught
draught
draught
draught
draughts
draughtsboard
draughtsman
draughtsmanship
draughts
draughtsman
draughtsmanship
draughtsmen
draughtswoman
draughtswomanship
draughty
drawl
drawlatch
drawled
drawler
drawlers
drawlier
drawliest
drawling
drawlingly
drawlingness
drawlink
drawloom
drawls
drawly
drawn
drawnnet
drawnly
drawnness
drawnwork
drawoff
drawout
drawplate
drawpoint
drawrod
draws
drawshave
drawsheet
drawspan
drawspring
drawstop
drawstring
drawstrings
drawtongs
drawtube
drawtubes
dray
drayage
drayages
drayed
drayhorse
draying
drayman
draymen
drays
drazel
drch
dread
dreadable
dreaded
dreader
dreadful
dreadfully
dreadfulness
dreadfuls
dreading
dreadingly
dreadless
dreadlessly
dreadlessness
dreadlocks
dreadly
dreadnaught
dreadness
dreadnought
dreadnoughts
dreads
dream
dreamage
dreamboat
dreamed
dreamer
dreamers
dreamery
dreamful
dreamfully
dreamfulness
dreamhole
dreamier
dreamiest
dreamily
dreaminess
dreaming
dreamingful
dreamingly
dreamish
dreamland
dreamless
dreamlessly
dreamlessness
dreamlet
dreamlike
dreamlikeness
dreamlit
dreamlore
dreams
dreamscape
dreamsly
dreamsiness
dreamsy
dreamt
dreamtide
dreamtime
dreamwhile
dreamwise
dreamworld
dreamy
drear
dearfully
dearier
dearies
deariest
dearihead
dearily
deariment
deariness
dearing
dearisome
dearisomely
dearisomeness
dearly
dearness
dreary
dreche
dreck
drecks
dredge
dredged
dredgeful
dredger
dredgers
dredges
dredging
dredgings
dree
dreed
dreegh
dreeing
dreep
dreepiness
dreepy
drees
dreg
dreggier
dreggiest
dreggily
dregginess
dregghish
dreggy
dregless
dregs
dreich
dreidel
dreidels
dreidl
dreidls
dreigh
dreikanter
dreikanters
dreiling
dreint
dreissiger
drek
dreks
drench
drenched
drencher
drenchers
drenches
drenching
drenchingly
dreng
drengage
drengh
drent
drepane
drepania
drepanid
drepaniform
drepanium
drepanoid
dresden
dress
dressage
dressages
dressed
dresser
dressers
dressership
dresses
dressier
dressiest
dressily
dressiness
dressing
dressings
dressline
dressmake
dressmaker
dressmaker's
dressmakers
dressmakership
dressmakery
dressmaking
dressoir
dressoirs
dressy
drest
dretch
drevel
drew
drewite
drey
dreynt
drias
drib
dribbed
dribber
dribbet
dribbing
dribble
dribbled
dribblemment
dribbler
dribblers
dribbles
dribblet
dribblets
dribbling
driblet
driblets
dribs
driddler
driddle
drie
driech
dried
driegh
drier
drier's
drierman
diers
dries
driest
drift
driftage
driftages
driftbolt
drifted
drifter
drifters
driftfish
driftfishes
driftier
driftiest
driftless
driftlessness
driftlet
driftman
driftpiece
driftpin
driftpins
drifts
driftway
driftweed
driftwind
driftwood
drifty
drighten
drightin
drill
drillability
drillable
drillbit
drilled
driller
drillers
drillet
drilling
drillings
drillman
drillmaster
drillmasters
drills
drillstock
drilvis
drily
dringle
drink
drinkability
drinkable
drinkableness
drinkables
drinkably
drinker
drinkers
drinkery
drinking
drinkless
drinkproof
drinks
drinky
drinn
drip
drip's
dripless
dripolator
drippage
dripped
dripper
drippers
drippier
drippiest
dripping
drippings
 dripple
 dripproof
 drippy
 drips
 dripstick
dripstone
dript
drisheen
 drisk
 drissel
 drivable
 drivage
 drive
 driveable
 driveaway
 driveboat
 drivebolt
 drivecap
 drivehead
drogue
drogues
droguet
droh
droich
droil
droit
droits
droitsman
droitural
droiture
droiturel
drolerie
droll
drolled
droller
drolleries
drollery
drollest
drolling
drollingly
drollish
drollishness
drollist
drollness
drolls
drolly
drolushness
dromaeognathism
dromaeognathous
drome
dromed
dromedarian
dromedaries
dromedarist
dromedary
drometer
dromatic
dromical
dromioid
dromograph
dromoi
dromomania
dromometer
dromon
dromond
dromonds
dromons
dromophobia
dromornis
dromos
dromotropic
drona
dronage
drone
drone's
droned
dronel
dronepipe
droner
droners
drones
dronet
drongo
drongos
droning
droningly
dronish
dronishly
dronishness
dronkelew
dronkgrass
dronte
drony
droob
drool
drooled
droolier
drooliest
drooling
drools
drooly
droop
drooped
drooper
droopier
droopiest
droopily
droopiness
drooping
droopingly
droopingness
droops
droopt
droopy
drop
drop's
dropax
dropberry
dropcloth
dropflower
dropforge
dropforged
dropforger
dropforging
drophead
dropheads
dropkick
dropkicker
dropkicks
droplet
droplets
droplight
droplike
dropline
dropliner
dropman
dropmeal
dropout
dropouts
droppage
dropped
dropper
dropper's
dropperful
doppers
dropping
dropping's
droppingly
droppings
dropppy
drops
dropseed
dropshot
dropshots
dropsical
dropsically
dropsicalness
dropsied
dropsies
dropsonde
dropsy
dropsywort
dropt
druidology
druidry
druids
druith
drum
drum's
drumbeat
drumbeater
drumbeating
drumbeats
drumble
drumbled
drumbore
drumbler
drumbles
drumbling
drumfire
drumfires
drumfish
drumfishes
drumhead
drumheads
drumler
drumlier
drumliest
drumlike
drumlin
drumline
drumlinoid
drumlins
drumloid
drumloidal
drumly
drummed
drummer
drummer's
drummers
drumming
drummock
drummy
drumread
drumreads
drumroll
drumrolls
drums
drumskin
drumslade
drumslere
dryable
dryad
dryades
dryadetum
dryadic
dryads
dryas
dryasdust
drybeard
drybrained
drybrush
drycoal
drydenian
dryer
dryerman
dryermen
dryers
dryest
dryfarm
dryfarmer
dryfat
dryfist
dryfoot
drygoodsman
dryhouse
drying
drinyinid
dryish
drylot
drylots
dryly
drynness
drynnesses
dryopithecid
dryopithecine
dryopteroid
drypoint
drypoints
dryrot
drys
drysalter
drysalteries
drysaltery
drysne
dryster
dryth
drywall
drywalls
dubbed
dubbeh
dubbeltje
dubber
dubbers
dubbin
dubbing
dubbings
dubbins
dubby
dubieties
dubiety
dubio
dubiocrystalline
dubiosities
dubiosity
dubious
dubiously
dubiousness
dubitable
dubitably
dubitancy
dubitant
dubitante
dubitate
dubitatingly
dubitation
dubitative
dubitatively
dublin
duboisin
duboisine
dubonnet
dubonnets
dubs
duc
ducal
ducally
ducamara
duce
ducape
ducat
ducato
ducaton
ducatoon
ducats
ducatus
ducdame
duce
ducktails
duckweed
duckweeds
duckwheat
duckwife
duckwing
ducky
ducs
duct
ductal
ducted
ductibility
ductible
ductile
ductilely
ductileness
ductilimeter
ductility
ductilize
ductilized
ductilizing
ducting
ductings
duction
ductless
ductor
ducts
ductule
ductules
ducture
ductus
ductwork
dud
dudaim
dudder
duddery
duddie
duddies
duddle
duddy
dude
dudeen
dudeens
dudelsack
dukes
dudgen
dudgeon
dudgeons
duit
duits
dujan
duka
duke
duke's
 dukedom
 dukedoms
 dukeling
 dukely
 dukery
 dukes
 dukeship
 dukhn
 dukhobor
 dukker
 dukkeripen
 dikkha
 dukuma
 dulbert
 dulc
dulcamara
dulcarnon
dulce
dulcely
 dulceness
 dulcet
dulcely
 dulcetness
 dulcets
 dulcian
 dulciana
 dulcianas
 dulcid
 dulcification
 dulcified
 dulcifies
 dulcifieous
 dulcify
 dulcifying
 dulcigenic
 dulciloquent
 dulciloquy
dulcimer
dulcimers
 dulcimore
 dulcinea
 dulcineas
dunamis
dunbird
dunce
dunce's
duncedom
duncehood
duncery
dunces
dunch
dunches
dunciad
duncical
duncify
duncifying
duncish
duncishly
duncishness
dundasite
dundavoe
dunde
dunde's
dundees
dunder
dunderbolt
dunderfunk
dunderhead
dunderheaded
dunderheadedness
dunderheads
dunderpate
dunderpates
dundrearies
dundreary
dune
dune's
duneland
dunelands
dunelike
dunes
dunfish
dung
dungannonite
dungaree
dungarees
dungari
dungas
dungbeck
dungbird
dunbred
dunged
dungeon
dungeon's
dungeoner
dungeonlike
dungeons
dunger
dunghill
dunghills
dunghilly
dunger

dungiest
dunging
dungol
dungon
dungs
dungy
dungyard
duniewassal
dunite
dunites
dunitic
duniwassal
dunk
dunkadoo
dunked
dunker
dunkers
dunking
dunkirk
dunkle
dunkled
dunkling
dunks
dunlin
dunlins
dunnage
dunnaged
dunnages
dunnaging
dunnakin
dunne
dunned
dunner
dunness
dunnesses
dunnest
dunniewassell
dunning
dunnish
dunnite
dunnites
dunno
dunnock
dunny
dunpickel
duns
dunst
dunstable
dunster
dunstone
dunt
dunted
dunter
dunting
duntle
dunts
duny
dunziekte
duo
duocosane
duodecagon
duodecahedral
duodecahedron
duodecane
duodecastyle
duodecennial
duodecillion
duodecillions
duodecillionth
duodecimal
duodecimality
duodecimally
duodecimals
duodecinfid
duodecimo
duodecimole
duodecimomos
duodecimos
duodecuple
duodedena
duodedenums
duodena
duodenal
duodenary
duotone
duotoned
duotones
duotriacontane
duotriode
duotype
duoviri
dup
dupability
dupable
dupatta
dupe
duped
dupedom
duper
duperies
dupers
dupery
dupes
duping
dupion
dupioni
dupla
duplation
duple
duplet
duplex
duplexed
duplexer
duplexers
duplexes
duplexing
duplexity
duplexs
duplicability
duplicable
duplicand
duplicando
duplicate
duplicated
duplicately
duplicates
duplicating
duplication
duplications
duplicative
duplicator
duplicator's
duplicators
duplicature
duplicatus
duplicia
duplicident
duplicidentate
duplicious
duplicipennate
duplicitas
duplicities
duplicitous
duplicitously
duplicity
duplication
duplified
duplify
duplifying
duplon
duple
duply
dupon
dupondidii
dupondii
dupondius
duppa
dupped
dupper
duppies
dupping
duppy
dups
dur
dura
durabilities
durability
durable
durableness
durables
durably
duracine
durain
dural
duralumin
duramater
duramatral
duramen
duramens
durance
durances
durangite
durat
durante
duraplasty
duraquara
duras
duraspinalis
duration
duration's
durational
durationless
durations
durative
duratives
durax
durbachite
durbar
durbars
durdenite
durdum
dure
dured
duree
dureful
durene
durenol
dureresque
dures
duress
duresses
duressor
duret
duretto
durezza
durgah
durgan
durgen
durham
durian
durians
duricrust
duridine
during
duringly
durion
durions
durity
durmast
duskishly
duskishness
duskly
duskness
dusks
dusky
dusserah
dust
dustband
dustbin
dustbins
dustblu
dustbox
dustcart
dustcloth
dustcloths
dustcoat
dustcover
dusted
dustee
duster
dusterman
dustermen
dusters
dustfall
dustheap
dustheaps
dustier
dustiest
dustily
dustiness
dusting
dustless
dustlessness
dustlike
dustman
dustmen
dustoor
dustoori
doustour
dustpan
dustpans
dustpoint
dustproof
dustrag
dustrags
dusts
dustsheet
dyable
dyad
dyadic
dyadically
dyadics
dyads
dyak
dyakisdodecahedron
dyarchic
dyarchical
dyarchies
dyarchy
dyas
dyaster
dybbuk
dybbukim
dybbuks
dyce
dye
dyeability
dyeable
dyebeck
dyed
dythehouse
dyeing
dyeings
dyeleaves
dyeline
dymaker
dyemaking
dyer
dyers
dyes
dyester
dyestuff
dyestuffs
dyeware
dyeweed
dyeweeds
dyewood
dyeweeds
dyewood
dygogram
dying
dyingly
dyingness
dyings
dykage
dyke
dyked
dykehopper
dyker
dykereeve
dykes
dyking
dyn
dynactinometer
dynagraph
dynam
dynameter
dynametric
dynametrical
dynamic
dynamical
dynamically
dynamicity
dynamics
dynamis
dynamism
dynamisms
dynamist
dynamistic
dynamists
dynamitard
dynamite
dynamited
dynamiter
dynamiters
dynamites
dynamitic
dynamitical
dynamitically
dynamiting
dynamitish
dynamitism
dynamitist
dynamization
dynamize
dynamo
dynamoelectric
dynamoelectrical
dynamogeneses
dynamogenesis
dynamogenic
dynamogenous
dynamogenously
dynamogeny
dynamograph
dynamometamorphic
dynamometamorphism
dynamometamorphosed
dynamometer
dynamometers
dynamometric
dynamometrical
dynamometry
dynamomorphic
dynamoneure
dynamophone
dynamos
dynamoscope
dynamostatic
dynamotor
dynapolis
dynast
dynastic
dynastical
dynastically
dynasticism
dynastid
dynastidan
dynasties
dynasts
dynasty
dynasty's
dynatron
dynatrons
dyne
dynel
dynes
dynode
dynodes
dyophone
dyophysite
dyostyle
dyotheism
dyothelete
dyphone
dypnone
dys
dysacousia
dysacousis
dysacousma
dysacusia
dysadaptation
dysaesthesia
dysaesthetic
dysanagnosia
dysanalyte
dysaphia
dysaptation
dysarthria
dysarthric
dysarthrosis
dysautonomia
dysbarism
dysbulia
dysbulic
dyschiria
dyschroa
dyschroia
dyschromatopsia
dyschromatoptic
dyschronous
dyscrase
dyscrased
dyscrasia
dyscrasial
dyscrasic
dyscrasing
dyscrasite
dyscrasy
dyscratic
dyscratinism
dyscrystalline
dyscrystalline
dysenteric
dysenterical
dysenteries
dysentery
dyseptotic
dyseptotical
dyserethisia
dysergasia
dysergia
dysesthesia
dysesthetic
dysfunction
dysfunctional
dysfunctioning
dysfunctions
dysgenesic
dysgenesis
dysgenetic
dysgenic
dysgenical
dysgenics
dysgeogenous
dysgnosia
dysgonic
dysgraphia
dysidrosis
dyskeratosis
dyskinesia
dyskinetic
dyslalia
dyslectic
dyslexia
dyslexias
dyslexic
dyslexics
dyslogia
dyslogistic
dyslogistically
dyslogy
dysluite
dyslysin
dysmenorrhagia
dysmenorrhea
dysmenorrheal
dysmenorrheic
dysmenorrhoea
dysmenorrhoeal
dysmerism
dysmeristic
dysmerogenesis
dysmerogenetic
dysmeromorph
dysmeromorphic
dysmetria
dysmnnesia
dysmorphism
dysmorphophobia
dysneuria
dysnomy
dysodule
dysodontiasis
dysodyle
dysorexia
dysorexy
dysoxidation
dysoxidizable
dysoxidize
dyspareunia
dyspathetic
dyspathy
dyspepsia
dyspepsies
dyspepsy
dyspeptic
dyspeptical
dyspeptically
dyspeptics
dysphagia
dysphagic
dysphasia
dysphasic
dysphemia
dysphemism
dysphemistic
dysphemize
dysphemized
dysphonia
dysphonic
dysphoria
dysphoric
dysphotic
dysphrasisa
dysphrenia
dyspituitarism
dysplasia
dysplastic
dyspnea
dyspneal
dyspneas
dyspneic
dyspnoea
dyspnoeal
dyspnoeas
dyspnoeic
dyspnoi
dyspnoic
dysporomorph
dyspraxia
dysprosia
dysprosium
dysraphia
dysrhythmia
dyssnite
dysspermatism
dyssynergia
dyssynergy
dyssystole
dystaxia
dystaxias
dystactic
dysteleological
dysteleologically
dysteleologist
dysteleology
dysthymia
dysthyemic
dysthyroidism
dystocia
dystocial
dystocias
dystome
dystomic
dystomous
dystonia
dystonias
dystonic
dystopia
dystopian
dystopias
dystrophia
dystrophic
dystrophies
dystrophy
dysuria
dysurias
dysuric
dysury
dysyntribite
dytiscid
dyvour
dyvours
dz
dzeren
dzerin
dzeron
dziggetai
dzo
e
e' en
e'er
e's
ea
eardrops
eardrum
eardrums
eared
earlap
earflaps
earflower
earful
earfuls
earhead
earhole
earing
earings
earjewel
earl
earl's
earlap
earlaps
earldom
earldoms
earlduck
earless
earlesss
earlet
earlier
earliest
earlike
earliness
earlish
earlobe
earlobes
earlock
earlocks
earls
earship
earships
early
earlyish
earlywood
earmark
earmarked
earmarking
earmarkings
earmarks
earmindedness
earmuff
earmuffs
earn
earnable
earned
earner
earner’s
earners
earnest
earnestful
earnestly
earnestness
earnest
earnful
earning
earnings
earns
earock
earphone
earphones
earpick
earpiece
earpieces
earplug
earplugs
earreach
earing
earring’s
earringed
earrings
ears
earscREW
earsh
earshell
earshot
earshots
earsore
earsplitting
earspool
earstone
earstones
eartab
eartag
eartagged
eartagged
earth
earthboard
earthborn
earthbound
earthbred
earthdrake
earthed
easinesses
easing
eassel
east
eastabout
eastbound
easted
easter
eastering
easterlies
easterliness
easterling
easterly
eastermost
eastern
easterner
easterners
easternize
easternized
easternizing
easternly
easternmost
easters
eastertide
easting
eastings
eastland
eastlander
eastlin
eastling
eastlings
eastlings
eastlins
eastman
eastmost
eastness
easts
eastward
eastwardly
eastwards
easy
easygoing
easygoingly
easygoingness
easylike
eat
eatability
eatable
eatableness
eatables
eatage
eatberry
catche
eaten
eater
eateries
eaters
eatery
eath
eathly
eating
eatings
eats
eau
eaux
eave
eaved
eavedrop
eavedropper
eavedropping
eaver
eaves
eavesdrip
eavesdrop
eavesdropped
eavesdropper
eavesdropper's
eavesdroppers
eavesdropping
eavesdrops
eavesing
ebauche
ebauchoir
ebb
ebbed
ebbet
ebbets
ebbing
ebbman
ebbs
ebcasc
ebcd
ebcdic
ebdomade
ebenaceous
ebeneous
ebenezer
echinococcus
echinoderm
echinodermal
echinodermata
echinodermatous
echinodermic
echinoid
echinoids
echinologist
echinology
echinopsine
echinostome
echinostomiasis
echinulate
echinulated
echinulation
echinuliform
echinus
echitamine
echites
echiurid
echiuroid
echnida
echo
echocardiogram
echoed
echoencephalography
echoer
echoers
echoes
echoey
echogram
echograph
echoic
echoing
echoingly
echoism
echoisms
echoist
echoize
echoized
echoizing
echolalia
echolalic
echoless
echolocate
echolocation
echometer
echopractic
echopraxia
echos
echovirus
echowise
echt
eciliate
ecize
ecklein
eclair
eclaircise
eclaircissement
eclairissement
eclairs
eclampsia
eclamptic
eclat
eclated
eclating
eclats
electic
eclerical
eclectically
eclecticism
ecleccticist
eclecticize
ecletics
eclectism
eclectist
eclegm
eclegma
eclegme
eclipsable
eclipsareon
eclipsation
eclipse
eclipsed
eclipser
eclipses
eclipsing
eclipsis
eclipsises
ecliptic
ecliptical
ecliptically
ecliptics
ecllogic
eclogite
eclogites
eclogue
eclogues
eclosion
eclosions
ecmnesia
eco
ecocidal
eocide
eoclimate
ecod
ecodeme
ecoid
ecol
ecole
ecoles
ecologic
ecological
ecologically
ecolologies
ecologist
ecologists
ecology
economist
econ
economese
econometer
econometric
econometrical
econometrically
econometrician
econometrics
econometrist
economic
economical
economically
economicalness
economics
economies
economise
economised
economiser
economising
economism
economist
economist's
economists
economization
economize
economized
economizer
economizers
economizes
economizing
economy
economy's
ecophene
ecophobia
ecophysiological
ecophysiology
ecorch
ecorche
ecorliche
ecospecies
ecospecific
ecospecifically
ecosphere
ecosssaise
ecostate
ecosystem
ecosystems
ecotipically
ecotonal
ecotone
ecotones
ecotopic
ecotype
ecotypes
ecotypic
ecotypically
ecoute
ecphasis
ecphonema
ecphonesis
ecphorable
ecphore
ecphoria
ecphoriae
ecphorias
ecphorization
ecphorize
ecphory
ecphova
ecphractic
ecphrasis
ecrase
ecraseur
ecraseurs
ecrasite
ecrevisse
ecroulement
ecru
ecrus
ecrustaceous
ecstasies
ecstasy
ecstasize
ecstasy
ecstatic
ecstatica
ecstatical
ecstatically
ecstaticize
ecstatics
ecstrophy
ectad
ectadenia
ectal
ectlally
ectases
ectasia
ectasis
ectatic
ectene
ectental
ectepicondylar
ecteron
ectethmoid
ectethmoidal
eethetically
eethlipses
eethlipsis
eethyma
eethymata
eethymatous
eetiris
ectobatic
ectoblast
ectoblastic
ectobronchium
ectocardia
ectocarpaceous
ectocarpic
ectocarpous
ectocelic
ectochondral
ectocinerea
ectocinereal
ectoecolic
ectocommensal
ectocondylar
ectocondyle
ectocondyloid
ectocornea
ectocranial
ectocrine
ectocuneiform
ectocuneiform
ectocyst
ectodactylism
ectoderm
ectodermal
ectodermic
ectodermoidal
ectodermosis
ectoderms
ectodynamomorphic
ectoentad
ectoenzym
ectoenzyme
ectoethmoid
ectogeneous
ectogenesis
ectogenetic
ectogenesis
ectogenous
ectoglia
ectolecithal
ectoloph
ectomere
ectomerest
ectomeric
ectomesoblast
ectomorph
ectomorphic
ectomorphism
ectomorphy
ectonephridium
ectoparasite
ectoparasitic
ectopatagia
ectopatagium
ectophloic
ectophyte
ectophytic
ectopia
ectopias
ectopic
ectoplacenta
ectoplasm
ectoplasmatic
ectoplasmic
ectoplastic
ectoplasmy
ectoproct
ectoproctan
ectoproctous
ectopterygoid
ectopy
ectoretina
ectorganism
ectorrhinal
ectosarc
ectosarcous
ectosarcos
ectoskeleton
ectosomal
ectosome
ectosphenoid
ectosphenotic
ectosphere
ectosteal
ectosteally
ectostosis
ectotheca
ectotherm
ectothermic
ectotoxin
ectotrophic
ectotropic
ectozoal
ectozoan
ectozoans
ectozoic
ectozoan
ectozoic
ectozoon
ectodactylia
ectodactylist
ectodactyloous
ectodactyly
ectogenic
ectrogeny
ectromelia
ectromelian
ectromelic
ectromelus
ectropion
ectropionization
ectropionize
ectropionized
ectropionizing
ectropium
ectropometer
ectrosyndactyly
ectrotic
ectypal
ectypal
ectype
ectypes
ectypography
ecu
ecuador
ecuelle
ecuelling
ecumenacy
ecumene
ecumenic
ecumenical
ecumenicalism
ecumenicality
ecumenically
ecumenicism
ecumenicist
ecumenicity
ecumenicize
ecumenics
ecumenism
ecumenist
ecumenistic
ecumenopolis
ecurie
ecus
ecyphellate
eczema
eczemas
eczematization
eczematoid
eczematosis
eczematous
eeling
eellike
eelpot
eelpout
eelpouts
eels
eelshop
eelskin
eelspear
eelware
eelworm
eelworms
eely
eemis
een
eequinoctium
eer
eerie
eerier
eeriest
eerily
eeriness
eerinesses
eerisome
eerock
eery
eesome
eten
eeyuch
eeyuck
ef
efects
eff
effable
efface
effaceable
effaced
effacement
effacer
effacers
effaces
effacing
effare
effascinate
effate
effatum
effect
effected
effecter
effecters
effectful
effectible
effecting
effective
effectively
effectiveness
effectivity
effectless
effector
effector's
effectors
effectress
effects
effectual
effectuality
effectualize
effectually
effectualness
effectuate
effectuated
effectuates
effectuating
effectuation
effectuous
effir
effeminacy
effeminate
effeminated
effeminately
effeminateness
effeminating
effemination
effeminatize
effeminisation
effeminise
effeminised
effeminising
effeminization
effeminize
effeminized
effeminizing
effendi
effendis
eference
efferent
efferently
effere vents
effer ent
eff er ent
eff erent
eff erent
eff erent
eff erent

eff erent
eff e nce
eff e nce

eff e nce
eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
eff e nce

eff e nce
egglike
egament
egg nag
eggnog
eggnogs
eggplant
eggplants
egg roll
egg rolls
eggs
eggshell
eggshells
eggwhisk
eggy
egilops
egipto
egis
egises
e glandular
e glandulose
eglandulous
e glantine
eglantines
eg latere
eglateres
e glestonite
egling
eglogue
e glomerate
egl omise
egma
ego
e gocentric
e gocentrically
e gocentricities
e gocentricity
e gocentrism
e gocentristic
e gohood
egoism
egoisms
egoist
egoistic
e goistical
e goistically
e goisticalness
e goistry
egoists
egoity
egalmente
egueiite
egurgitate
egurgitated
egurgitating
eguttulate
eypt
eygtian
eyptians
eyptologist
eytology
eh
eh.eu
ehlite
ehrman
ehwaldite
ehnethial
ehuawa
eichbergite
eichwaldite
ecosane
eide
eident
eidently
eider
eiderdow
eiders
eidetic
eidetically
eidograph
eidola
eidolic
eidolism
eidology
eidology
eidolon
eidolons
eidoptometry
eidos
eidouranian
eifel
eigenfrequency
eigenfunction
eigenspace
eigenstate
eigenvalue
eigenvalue's
eigenvalues
einsteinian
einsteinium
eir
eirack
eire
eirencarch
eirenic
eirenicon
eiresione
eiry
eisegeses
eisegesis
eisegetic
eisegetical
eisell
eisenberg
eisenhower
eisodic
eisoptrophobia
eisteddfod
eisteddfodau
eisteddfodic
eisteddfodism
eisteddfods
either
ejacula
ejaculate
ejaculated
ejaculates
ejaculating
ejaculation
ejaculations
ejaculative
ejaculator
ejaculators
ejaculatory
ejaculum
eject
ejecta
ejectable
ejeductamenta
ejected
ejectee
ejecting
ejection
ejections
ejective
ejectively
ejectives
ejectivity
ejectment
ejector
ejectors
ejects
ejectum
ejicient
ejidal
ejido
ejidos
ejoo
ejulate
ejulation
ejurate
ejuration
ejusd
ejusdem
ekaboron
ekacaesium
ekaha
ekamanganese
ekasilicon
ekatantalum
eke
ekebergite
eked
ekename
eker
ekerite
ekes
ekhimi
eking
ekistic
ekistics
ekka
ekphore
ekphoria
ekphorias
ekphorize
ekphory
ektene
ektenes
ektexine
ektexines
ektodynamorphic
el
ela
elane
elans
elaphine
elaphure
elaphurine
elapid
elapids
elapine
elapoid
elaps
elapse
elapsed
elapses
elapsing
elargement
elasmobranch
elasmobranchian
elasmobranchiate
elasmosaur
elasmosaurus
elasmothere
elastance
elastase
elastases
elastic
elastica
elastically
elasticate
elastician
elasticin
elasticities
elasticity
elasticize
elasticized
elasticizer
elasticizes
elasticizing
elasticness
elastics
elasticum
elastin
elastins
elasticity
elastomer
elastomeric
elastomers
elastometer
elastometry
election's
electionary
electioneer
electioneered
electioneerer
electioneering
electioneers
elections
elective
electively
electiveness
electives
electivism
electivity
electly
electo
elector
lector's
electoral
electorally
electorate
electorates
electorial
electors
electorship
electra
electragist
electragy
electral
electralize
electre
electrepeter
electress
electret
electrets
electric
electrical
electricalize
electrically
electricalness
electrican
electricans
electrician
electricians
electricity
electrize
electrics
electriferous
electrifiable
electrification
electrified
electrifier
electrifiers
electrifies
electrify
electrifying
electricle
electron
electronic
electrizable
electrization
electrize
electrized
electrizer
electrizing
electro
electroacoustic
electroacoustical
electroacoustically
electroacoustics
electroaffinity
electroamalgamation
electroanalysis
electroanalytic
electroanalytical
electroanesthesia
electroballistic
electroballistically
electroballistician
electroballistics
electrobath
electrobiological
electrobiologically
electrobiologist
electrobiology
electrobioscopy
electroblasting
electrobrasser
electrobus
electrocapillarity
electrocapillary
electrocardiogram
electrocardiograms
electrocardiograph
electrocardiographic
electrocardiographically
electrodiagnostic
electrodiagnostically
electrodialitic
electrodialitically
electrodialyses
electrodialysis
electrodialytic
electrodialyze
electrodialyzer
electrodiplomatic
electrodispersive
electrodissolution
electrodynamic
electrodynamical
electrodynamics
electrodynamism
electrodynamometer
electroed
electroencephalogram
electroencephalograms
electroencephalograph
electroencephalographic
electroencephalographical
electroencephalographically
electroencephalographs
electroencephalography
electroendosmose
electroendosmosis
electroendosmotic
electroengrave
electroengraving
electroergometer
electroetching
electroethereal
electroextraction
electrofishing
electroform
electroforming
electrofuse
electrofused
electrofusion
electrogalvanic
electrogalvanization
electrogalvanize
electrogasdynamics
electrogenesis
electrogenetic
electrogenic
electrogild
electrogilding
electrogilt
electrogram
electrograph
electrographic
electrographite
electrography
electrograving
electroharmonic
electrohemostasis
electrohomeopathy
electrohorticulture
electrohydraulic
electrohydraulically
electroimpulse
electroindustrial
electroing
electroionic
electroirrigation
electrojet
electrokinematics
electrokinetic
electrokinetics
electroless
electrolier
electrolithotrit

electrologic
electrological
electrologist
electrologists
electrology
electroluminescence
electroluminescent
electrolysation

electrolyse
electrolysed
electrolyser
electrolyses
electrolysing
electrolysis
electrolyte
electrolyte's
electrolytes
electrolytic
electrolytical
electrolytically
electrolyzability
electrolyzable
electrolyzation
electrolyze
electrolyzed
electrolyzer
electrolyzing
electromagnet
electromagnetic
electromagnetical
electromagnetically
electromagnetics
electromagnetism
electromagnetist
electromagnitize
electromagnets
electromassage
electromechanical
electromechanically
electromechanics
electromedical
electromer
electromeric
electromerism
electrometallurgical
electrometallurgist
electrometallurgy
electrometeor
electrometer
electrometric
electrometrical
electrometrically
electrometry
electromobile
electromobilism
electromotion
electromotiv
electromotive
electromotivity
electromyogram
electromyograph
electromyographic
electromyographical
electromyographically
electromyography
electron
electron's
electronarcosis
electronegative
electronegativity
electronervous
electronneutral
electron neurality
electronic
electronically
electronics
electronographic
electronography
electrons
electronvolt
electrooculogram
electrooptic
electrooptical
electrooptically
electrooptics
electroor/i
electroosmosis
electroosmotic
electroosmotically
electroo/atriacs
electropathic
electropathology
electropathy
electropercussive
electrophilic
electrophilically
electrophobia
electrophone
electrophonic
electrophonically
electrophore
electrophorese
electrophoresed
electrophoreses
electrophoresing
electrophoresis
electrophoretic
electrophoretically
electrophoretogram
electrophor/i
electrophoric
electrophorus
electrophotographic
electrophotography
electrophotometer
electrophotometry
electrophotomicrography
electrophototherapy
electrophrenic
electrophysicist
electrophysics
electrophysiologic
electrophysiological
electrophysiologically
electrophysiologist
electrophysiology
electropism
electroplaque
electroplate
electroplated
electroplater
electroplates
electroplating
electroplax
electropneumatic
electropneumatically
electropoison
electropolar
electropolish
electropolar
electropolar
electropositive
electropotential
electropower
electropsychrometer
electropult
electropuncture
electropuncturing
electropyrometer
electroreceptive
electroreduction
electrorefine
electrorefining
electroresection
electroretinogram
electroretinograph
electroretinographic
electroretinography
electros
electroscission
electroscope
electroscopes
electroscopic
electrosensitive
electroshardizing
electroshock
electroshocks
electrosmosis
electrostatic
electrostatical
electrostatically
electrostatics
electrosteel
electrostenolysis
electrostenolytic
electrostereotype
electrostriction
electrostrictive
electrosurgeries
electrosurgery
electrosurgical
electrosurgically
electrosynthesis
electrosynthetic
electrosynthetically
electrotactic
electrotautomerism
electrotaxis
electrotechnic
electrotechnical
electrotechnician
electrotechnics
electrotechnologist
electrotechnology
electrotelegraphic
electrotelegraphy
electrotelethermometer
electrotellurograph
electrotest
electrothanasia
electrothanatosis
electrotherapeutic
electrotherapeutical
electrotherapeutics
electrotherapeutist
electrotherapies
electrotherapist
electrotherapeutic
electrotherapeutical
electrotherapeutically
electrotherapeutics
electrotherapy
electrothermal
electrothermally
electrothermancy
electrothermic
electrothermics
electrothermometer
electrothermostat
electrothermostatic
electrothermotic
electrotitrating
electrotonic
electrotonicity
electrotonize
electrotonus
electrotrephine
electrotropic
electrotropism
electrotrotype
electrotyped
electrotyper
electrotypes
electrotypic
electrotyping
electrotypist
electrotypy
electrovalence
electrovalency
electrovalent
electrovalently
electrovection
electroviscous
electrovital
electrowin
electrowinning
electrum
electrums
elects
electuaries
electuary
eledoisin
eledone
eleemosinar
eleemosynar
eleemosynarily
eleemosynariness
eleemosynary
elegance
elephantic
elephanticide
elephantine
elephantlike
elephantoid
elephantoidal
elephantous
elephantry
elephants
eleuin
eleusinian
eleutherarch
eleutherian
eleutherism
eleutherodactyl
eleutheromania
eleutheromaniac
eleutheromorph
eleutheropetalous
eleutherophobia
eleutherophyllous
eleutherosepalous
eleutherozoan
elev
elevable
elevate
elevated
elevatedly
elevatedness
elevates
elevating
elevatingly
elevation
elevational
elevations
elevato
elevator
elevator's
elevators
elevatory
eleve
eleven
elevener
elevenfold
elevens
elevenses
eleventeenth
eleventh
eleventhly
elevenths
elevon
elevons
elf
elfdom
elfenfolk
elfhood
elfic
elfin
elfins
elfinwood
elfish
elfishly
elfishness
elfkin
elfland
elflike
elflock
elflocks
elfship
elfwife
elfwort
elhi
eli
eliasite
elicit
elicitable
elicitate
elicitation
elicited
eliciting
elicitor
elicitors
elicitory
elicits
elide
elided
elides
elidible
eliding
eligenda
eligent
eligibilities
eligibility
eligible
eligibleness
eligibles
eligibly
elijah
eliminability
eliminable
eliminand
eliminant
eliminate
eliminated
eliminates
eliminating
elimination
eliminations
eliminative
eliminator
eliminators
eliminatory
elinguate
elinguoted
elinguating
elinguation
elingued
elinvar
eliquate
eliquated
eliquatting
eliqutation
eliquidate
elisha
elision
elisions
elisor
elite
elites
elitism
elitisms
elitist
elitists
elix
elixate
elixation
elixed
elixir
elixirs
elixiviate
elizabeth
elizabethan
elizabethans
elk
elucidator
elucidators
elucidatory
eluctate
eluctation
elucubrate
elucubration
elude
eluded
eluder
eluders
eludes
eludible
eluding
eluent
eluents
elul
elumbated
elusion
elusions
elusive
elusively
elusiveness
elusoriness
elusory
elute
eluted
elutes
eluting
elution
elutions
elutor
elutriate
elutriated
elutriating
elutriation
elutriator
eluvia
eluvial
eluviate
eluviated
eluviates
eluviating
eluviation
eluvies
eluvium
eluviums
eluvivia
eluxate
elvan
elvanite
elvanitic
elve
elver
elvers
eelves
evet
evis
evish
evishly
elychnious
elydoric
elysia
elysian
elysium
elytra
elytral
elytriferous
elytriform
elytrigerous
elytrin
elytrocele
elytroclasia
elytoid
elytron
elytroplastic
elytropical
elytropos
eleytroposis
eleytropostasis
elytrophagia
eleytrophagia
eleytrophaphy
elytrostenosis
elytrotomy
elytrous
elytrtra
elytrum
elzevir
em
emacerate
emacerated
emacration
emaciate
emaciated
emaciates
emaciating
emaciation
emaculate
emagram
email
emailed
emajagua
emamelware
emanant
emanate
emanated
emanates
emanating
emanation
emanational
emanationism
emanationist
emanations
emanatism
emanatist
emanatistic
emanativ
emanative
emanatively
emanator
emanators
emanatory
emancipate
emancipated
emancipates
emancipating
emancipation
emancipationist
emancipations
emancipatist
emancipative
emancipator
emancipators
emancipatory
emancipatress
emancipist
emandibulate
emane
emanent
emanium
emarcid
emarginate
emarginated
emarginately
emarginating
emargination
emasculate
emasculated
emasculates
emasculating
emasculaton
emasculative
emasculator
emasculators
emasculatory
embrace
embacle
embain
embale
emball
emballonurid
emballonurine
embalm
embalmed
embalmer
embalmers
embalming
embalmment
embalms
embank
embanked
embanking
embankment
embankments
embanks
embannered
embaphium
embar
embarcadero
embarcation
embarge
embargo
embargoed
embargoes
embargoing
embargoist
embargos
embark
embarkation
embarkations
embarked
embarking
embarkment
embarks
embarment
embarque
embarrass
embarrassed
embarrassingly
embarrassment
embarrassments
embarred
embarrel
embarren
embarricado
embarracing
embarred
embase
embassade
embassador
embassadress
embassage
embassistate
embassies
embassy
embassy's
embastardize
embastioned
embathe
embatholithic
embattle
embattled
embattlement
embattles
embattling
embay
embayed
embaying
embayment
embays
embden
embeam
embed
embeddable
embedded
embedder
embedding
embedment
embeds
embezzgar
emelic
embelif
embelin
embellish
embellished
embellisher
embellishers
embellishes
embellishing
embellishment
embellishment's
embellishments
ember
emergeese
emergoose
emberizidae
emberizine
embers
embetter
embezzle
embezzled
embezzlement
embezzlements
embezzler
embezzlers
embezzles
embezzling
embiid
embillow
embind
embiotocid
embiotocoid
embira
embitter
embittered
embitterer
embittering
embitterment
embitterments
embitters
embladder
emblanch
emblaze
emblazed
emblazer
emblazers
emblazes
emblazing
emblazon
emblazoned
emblazoner
emblazoning
emblazonment
emblazonments
emblazonry
emblazons
emblem
emblems
emblematic
emblematical
emblematically
emblematicalness
emblematicize
emblematising
emblematised
emblematising
emblematist
emblematize
emblematized
emblematizing
emblematology
emblem
emblem
emblems
emblic
embliss
emblem
embril
embril
embrillom
embrillom
embrillo
embrillo
embrillo
embrillos
embrillos
embrillos
embrillos
embowl
embowment
embows
embox
embrace
embraceable
embraceably
embraced
embracement
embracer
embracor
embraceorr
embracer
embracerries
embracers
embracery
embraces
embracing
embracingly
embracingness
embracive
embraciveg
embraid
embrail
embrake
embranchment
embrangle
embrangled
embranglement
embrangling
embrase
embrasure
embrasured
embrasures
embrasuring
embrave
embrawn
embrreach
embread
embrestment
embreathe
embreathement
embrectomy
embrew
embright
embrighten
embrittle
embrittled
embrittlement
embrittling
embroaden
embrocado
embrocate
embrocated
embrocates
embrocating
embrocation
embrocations
embroche
embroglio
embroglias
embroider
embroidered
embroiderer
embroiderers
embroideress
embroideries
embroidering
embroiders
embroidery
embroil
embroiled
embroiler
embroiling
embroilement
embroilements
embroils
embroin
embroscope
embroscopic
embrothelled
embrowd
embrown
embrowned
embrowning
embrows
embrue
embrued
embrues
embruing
embrute
embruted
embrutes
embruting
embryectomies
embryectomy
embryo
embryo's
embryocardia
embryoctonic
embryoctony
embryoferous
embryogenesis
embryogenetic
embryogenic
embryogeny
embryogony
embryographer
embryographic
embryography
embryoid
embryoism
embryol
embryologic
embryological
embryologically
embryologies
embryologist
embryologists
embryology
embryoma
embryomas
embryomata
embryon
embryonal
embryonally
embryonary
embryonate
embryonated
embryonic
embryonically
embryoniferous
embryoniform
embryons
embryony
embryopathology
embryophagous
embryophage
embryophyte
embryoplastic
embryos
embryoscope
embryoscopic
embryotega
embryotegae
embryotic
emendating
emendation
emendations
emendator
emendatory
emended
emender
emenders
emendicate
emending
emends
emer
emerald
emerald's
emeraldine
emeralds
emerant
emeras
emeraude
emerge
emerged
emergence
emergences
emergencies
emergency
emergency's
emergent
emergently
emergentness
emergents
emergers
emerges
emerging
emerick
emeried
emeried
emeried
emeries
emeril
emerit
emerita
emerited
emeriti
emeritus
emerituti
emerize
emerized
emerizing
emerod
emerods
emeroid
emeroids
emerse
emersed
emersion
emissions
emerson
emy
emying
emes
emeses
emesis
emetatrophia
emetia
emetic
emetical
emetically
emetics
emetin
emetine
emetines
emetins
emetocathartic
emetology
emetomorphine
emetophobia
emeu
emeus
emeute
emeutes
emf
emforth
engalla
emphasizing
emic
emicant
emicate
emication
emiction
emictory
emigrate
emigrated
emigrates
emigrating
emigr
emigrant
emigrant's
emigrants
emigrate
emigrated
emigrates
emigrating
emigration
emigrational
emigrationist
emigrations
emigrative
emigrator
emigratory
emigre
emigree
emigres
emily
eminence
eminences
eminencies
eminency
eminent
eminently
emir
emirate
emirates
emirs
emirship
emissaria
emissaries
emissarium
emissary
emissaryship
emissi
emissile
emission
emissions
emissitious
emissive
emissivity
emissory
emit
emits
emittance
emitted
emittent
emitter
emitters
emitting
emlen
emma
emmantine
emmantine
emmavoid
emmavoided
emmavoiding
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmavoid
emmeleia
emmenagogic
emmenagogue
emmenia
emmenic
emmeniopathy
emmenology
emmensite
emmer
emmergoose
emmers
emmet
emmetrope
emmetropia
emmetropic
emmetropism
emmetry
emmets
emmew
emmies
emmove
emmy
emodin
emodins
emollescence
emolliate
emollience
emollient
emollients
emollition
emoloa
emolument
emolumental
emolumentary
emoluments
emong
emony
emory
emote
emoted
emoter
emoters
empanada
define
empanel
empaneled
empaneling
empanelled
empanelling
empanelment
empanels
empannel
empanoply
empaper
emparadise
emparchment
empark
emparl
empasm
empasma
empassion
empathetic
empathetically
empathic
empathically
empathies
empathize
empathized
empathizes
empathizing
empathy
empatron
empearl
empeine
empeirema
empemata
empennage
empennages
empeople
empeopled
empeoplement
emperess
emperies
emperil
emperish
emperize
emperor
emperor's
emperors
emperorship
empery
empiriocritical
empiriological
empirism
empiristic
empiry
emplace
emplaced
emplacement
emplacements
emplaces
emplacing
emplane
emplaned
emplanement
emplanes
emplaning
emplaster
emplastic
emplastra
emplastration
emplastrum
emplead
emplectic
emlection
emplectite
emplenton
emplomania
emplore
employ
employability
employable
employe
employed
employee
employee's
employees
employer
employer's
employers
employing
employless
employment
employment's
employs
emplume
emplunge
empocket
empodia
empodium
empoison
empoisoned
empoisoner
empoisoning
empoisonment
empoisons
empolder
emporetic
emporeutic
emporia
emporial
emporiria
empoririums
emporium
emporiums
emporte
emportment
empory
empower
empover
empoverish
empower
empowered
empowering
empowerment
empowers
emprent
empresa
empresario
empress
emprise
emprises
emprison
emprize
emprizes
emprosthotonic
emprosthotonos
emprosthotonus
empt
emptiable
emptied
emptier
emptiers
empties
emptiest
emptily
emptiness
emptings
emptins
emptio
emption
emptional
emptive
emptor
emptores
emptory
empty
emptyhearted
emptying
emptysis
empurple
empurpled
empurples
empurpling
empusa
empuzzle
empyema
empyemas
empyemata
empyemica
empyesis
empyocele
empyreal
empyrean
empyreans
empyreum
empyreuma
empyreumata
empyreumatic
empyreumatical
empyreumatize
empyrical
empyromancy
empyrosis
emraud
emrode
ems
emu
emulable
emulant
emulate
emulated
emulates
emulating
emulation
emulations
emulative
emulatively
emulator
emulator's
emulators
emulatory
emulatress
emule
emulge
emulgence
emulgens
emulgent
emulous
emulously
emulousness
emuls
emulsibility
emulsible
emulsic
emulsifiability
emulsifiable
emulsification
emulsifications
emulsified
emulsifier
emulsifiers
emulsifies
emulsify
emulsifying
emulsin
emulsion
emulsionize
emulsions
emulsive
emulsoid
emulsoidal
emulsoids
emulsor
emunct
enantiomeric
enantiomeride
enantiomorph
enantiomorphic
enantiomorphism
enantiomorphous
enantiomorphously
enantiomorphy
enantiopathia
enantiopathic
enantiopathy
enantiooses
enantiosis
enantiotropistic
enantiotropism
enantiobiosis
enapt
enarbor
enarbour
enarch
enarched
enargite
enarm
enarme
enarration
enarthrodia
enarthrodial
enarthroses
enarthrosis
enascent
enatant
enate
enates
enatic
enation
enations
enauter
enbaissing
enbibe
enbloc
enbranglement
enbrave
enbusshe
enc
encadre
encaenia
encage
encaged
encashment
encasing
encasserole
encastage
encastered
encastre
encastrement
encatarrhaphy
encauma
encaustes
encaustic
encaustically
encave
encefalon
enceint
enceinte
enceintes
encell
encense
encenter
encephala
encephalalgia
encephalasthenia
encephalic
encephalin
encephalitic
encephalitis
encephalitogenic
encephalocele
encephalocoele
encephalodialysis
encephalogram
encephalograph
encephalographic
encephalographically
encephalography
encephaloid
encephalola
encephalolith
encephalology
encephaloma
encephalomalacia
encephalomalacosis
encephalomalaxis
encephalomas
encephalomata
encephalomeningitis
encephalomeningoele
encephalomere
encephalomeric
encephalometer
encephalometric
encephalomyelitic
encephalomyelitis
encephalomyelopathy
encephalomyocarditis
encephalon
encephalonarcosis
encephalopathia
encephalopathic
encephalopathy
encephalophylma
encephalopsychezis
encephalopyosis
encephalorrhagia
encephalos
encephalosclerosis
encephaloscope
encephaloscopy
encephalosepsis
encephalosis
encephalospinal
encephalolithipsis
encephalotome
encephalotomies
encephalotomy
encephalous
enchafe
enchain
enchained
enchainement
enchainements
enchaining
enchainment
enchainments
enchains
enchair
enchalice
enchancement
enchannel
enchant
enchanted
enchanter
enchanters
enchantery
enchanting
enchantingly
enchantingness
enchantment
enchantments
enchantress
enchantresses
enchant
enchants
encharge
encharged
encharging
encharm
encharmed
encharmer
enchars
enchasses
enchassing
enchasten
encheason
encheat
encheck
encheer
encheiria
enchequer
encheson
enchesoun
enches
enchilada
enchiladas
enchiridia
enchiridion
enchiridions
enchiriridia
enchisel
enchodontid
enchodontoid
enchondroma
enchondromas
enchondromata
enchondromatous
enchondrosis
enchorial
enchoric
enchronicle
enChurch
enchylema
enchylematous
enchyma
enchymatous
encytrae
encytraeid
encia
enciente
encina
encinal
encinas
encincture
encinctured
encincturing
encinder
encinillo
encipher
enciphered
encipherer
enciphering
encipherment
encipherments
enciphers
encircle
encircled
encirclement
encirclements
encircler
encircles
encircling
encist
encitadel
encl
enclaret
enclasp
enclasped
enclasping
enclasps
enclave
enclaved
enclavement
enclaves
enclaving
enclear
enclisis
enclitic
enclitical
enclitically
enclitics
encloak
enclog
encloister
enclosable
enclose
enclosed
encloser
enclosers
encloses
enclosing
enclosure
enclosure's
enclosures
enclothe
encloud
encoach
encode
encoded
encodement
encoder
encoders
encodes
encoding
encodings
encoffin
encoffinment
encoignure
encoignures
encoil
encolden
encollar
encolor
encolour
encolopia
encolpion
encolumn
encolure
encomendero
encomia
encomiast
encomiastic
encomiastical
encomiastically
encomic
encomienda
encomiendas
encomimia
encominiums
encomiologic
encomium
encomiumia
encomiums
encommon
encompany
encompass
encompassed
encompasser
encompasses
encompassing
encompassment
encomy
encoop
encopreses
encopresis
encorbellment
encorbelment
encore
encored
encores
encoring
encoronal
encoronate
encoronet
encorpore
encounter
encounterable
encountered
encounterer
encounterers
encountering
encounters
encourage
encouraged
encouragement
encouragements
encourager
encouragers
encourages
encouraging
encouragingly
encover
encowl
encraal
encradle
encranial
encratic
encratism
encumbering
encumberingly
encumberment
encumbers
encumbrance
encumbrancer
encumbrances
encumbrous
encup
encurl
encurtain
encushion
ency
encyc
encycl
encyclical
encyclicals
encyclics
encyclopaedia
encyclopaediac
encyclopaedial
encyclopaedian
encyclopaedias
encyclopaedic
encyclopaedical
encyclopaedically
encyclopaedism
encyclopaedist
encyclopaedize
encyclopedia
encyclopedia's
encyclopediaic
encyclopediaical
encyclopediaal
encyclopedial
encyclopedian
encyclopedias
encyclopediast
encyclopedic
encyclopedical
encyclopedically
encyclopedism
encyclopedist
encyclopedize
encyclopaedic
encyryptid
encyyst
encystation
encysted
encysting
encystment
encystments
encysts
end
endable
endamage
endamageable
endamaged
endamagement
endamages
endaming
endamask
endameba
endamebae
endamebas
endamebiasis
endamebic
endamnify
endamoeba
endamoebae
endamoebas
endamoebiasis
endamoebic
endangeitis
endanger
endangered
endangerer
endangering
endangerment
endangerments
endangers
endangiiitis
endangititis
endangium
endaortic
endaortitis
endarch
endarchies
endarchy
endark
endarterectomy
endarteria
endarterial
endarteritis
endarterium
endartereteria
endaseh
endaspidean
endaze
endball
endboard
endbrain
endbrains
enddamage
enddamaged
enddamaging
ende
endear
endearance
endeared
endearedly
endearedness
endearing
endearingly
endearingness
endearment
endearments
endears
endeavor
endeavored
endeavorer
endeavoring
endeavors
endeavour
endeavoured
endeavourer
endeavouring
endea
endeica
ended
endeictic
endeign
endellionite
endemial
endemic
endemical
endemically
endemicity
endemics
endemiological
endemiology
endemism
endemisms
endenization
endoaortitis
endoappendicitis
endoarteritis
endoauscultation
endobatholithic
endobiotic
endoblast
endoblastic
endobronchial
endobronchially
endobronchitis
endocannibalism
endocardia
endocardiac
endocardial
endocarditic
endocarditis
endocardium
endocarp
endocarpal
endocarpic
endocarpoid
endocarps
endocellular
endocentric
endoceratite
endoceratitic
endocervical
endocervicitis
endochondral
endochorion
endochorionic
endochrome
endochylous
endoclinal
endocline
endocoelear
endocoele
endocoeliat
endocolitis
endocolpitis
endocondensation
endocone
endoconidia
endoconidium
endocorpuscular
endocortex
endocrania
endocranial
endocranial
endocranial
endocrinal
endocrine
endocrines
endocrinic
endocrinism
endocrinologic
endocrinological
endocrinologies
endocrinologist
endocrinologists
endocrinology
endocrinopath
endocrinopathic
endocrinopathy
endocrinotherapy
endocrinous
endocrine
endocycle
endocyclic
endocyemate
endocyst
endocystitis
endocytic
endocytosis
endocytotic
endoderm
endodermal
endodermic
endodermis
endodermis
endodermis
endodontia
endodontic
endodontically
endodontics
endodontist
endodontium
endodontologist
endodontology
endodynamomorph
endoeenteritis
endoenzyme
endoergic
endoerythrocytic
endoesophagitis
endofaradism
endogalvanism
endogamic
endogamies
endogamous
endogamy
endogastric
endogastrically
endogastritis
endogen
endogenesis
endogenetic
endogenic
endogenicity
endogenies
endogenous
endogenously
endogens
endogeny
endoglobular
endognath
endognathal
endognathion
endogonidium
endointoxication
endokaryogamy
endolabyrinthitis
endolaryngeal
endolemma
endolithic
endolumbar
endolymph
endolymphangial
endolymphatic
endolymphic
endolysin
endomastoiditis
endome
endomesoderm
endometria
endometrial
endometriosis
endometritis
endometrium
endometry
endomictic
endomitosis
endomitotic
endomixis
endomorph
endomorphic
endomorphism
endomorphy
endomysial
endomysium
endoneurial
endoneurium
endonuclear
endonuclease
endonucleolus
endoparasite
endoparasitic
endoparasitism
endopathic
endopelvic
endopeptidase
endopericarditis
endoperidial
endoperidium
endoperitonitis
endophagous
endophagy
endophasia
endophasic
endophlebitis
endoplagm
endoplagmal
endophyllous
endophytal
endophyte
endophytic
endophytically
endophytous
endoplasm
endoplasma
endoplasmic
endoplast
endoplastar
endoplastarlar
endoplastule
endopleura
endopleural
endopleurite
endopleuritic
endopod
endopodite
endopoditic
endopods
endopolyplloid
endopolyplody
endoproct
endoproctous
endopsychic
endopterygote
endopterygotic
endopterygotism
endopterygotous
endorachis
endoradiosonde
endoral
endore
endorhinitis
endorphin
endorsable
endorsation
endorse
endorsed
endorsee
endorsees
endorsement
endorsements
endorser
endorsers
endorses
endorsing
endorsingly
endorser
endorsors
endosalpingitis
endosarc
endosarcode
endosarcous
endosarcs
endosclerite
endoscope
endoscopes
endoscopic
endoscopically
endoscopies
endoscopist
endoscopy
endosecretory
endosepsis
endosiphon
endosiphonal
endosiphonate
endosiphuncle
endoskeletal
endoskeleton
endoskeletons
endosmic
endosmometer
endosmometric
endosmos
endosmose
endosmoses
endosmosic
endosmosis
endosmotic
endosmotically
endosome
endosomes
endosperm
endospermic
endospermous
endospore
endosporia
endosporic
endosporium
endosporous
endosporously
endoss
endostea
endosteal
endosteally
endosteitis
endosteoma
endosteomas
endosteomata
endosternite
endosternum
endosteum
endostitis
endostoma
endostomata
endostome
endostosis
endostraca
endostracal
endostracum
endostylar
endostyle
endostylic
endosulfan
endosymbiosis
endotheca
endothecal
endothecate
endothecia
endothecial
endothecium
endothelia
endothelial
endothelioblastoma
endotheliocyte
endothelioid
endotheliolysin
endotheliolytic
endothelioma
endotheliomas
endotheliomata
endotheliomyoma
endotheliomyxoma
endotheliotoxin
endotheliulia
endothelium
endotheloid
endotherm
endothermal
endothermic
endothermically
endothermism
endothermous
endothermy
endothoracic
endothorax
endothys
endotoxic
endotoxin
endotoxoid
endotracheal
endotracheitis
endotrachelitis
endotrophic
endotropic
endotys
endoubt
endoute
endovaccination
endovasculitis
endovenous
enduring
enduringly
enduringness
enduro
enduros
endways
endwise
endyma
endymal
endymion
endysis
ene cate
eneclann
ened
eneid
enema
enema's
enemas
enemata
enemied
enemies
enemy
enemy's
enemying
enemylike
enemyship
ent
en epidermic
energeia
energesis
energetic
energetical
energetically
energeticalness
energeticist
energeticness
energetics
energetistic
energiatye
energic
energical
energico
energid
energids
energies
energise
energised
energiser
energises
energising
energism
energist
energistic
energize
energized
energizer
energizers
energizes
energizing
energumen
energumenon
energy
enervate
enervated
enervates
enervating
enervation
enervative
enervator
enervators
enerve
enervous
enetophobia
eneuch
enough
enew
enface
enfaced
enfacement
enfaces
enfacing
enfamish
enfamous
enfant
enfants
enfarce
enfasten
enfatico
enfavor
enfeature
enfect
enfeeble
enfeebled
enfeeblemment
enfeeblements
enfeebler
enfeebles
enfeebling
enfeeblish
enfelon
enfoe
enfoeffed
enfoeffing
enfoeffment
enfoeffs
enfester
enfetter
enfettered
enfettering
enfetters
enfever
enfevered
enfevering
enfevers
enfief
enfield
enfierce
enfigure
enfilade
enfiladed
enfilades
enfilading
enfile
enfiled
enfin
enfire
enfirm
enflagellate
enflagellation
enflame
enflamed
enflames
enflaming
enflesh
enfleurage
enflower
enflowered
enflowering
enfoeffment
enfoil
enfold
enfolded
enfolden
enfolder
enfrenzy
enfroward
enfudder
enfuddle
enfume
enfurrow
eng
engage
engaged
engagedly
engagedness
engagee
engagement
engagement's
engagements
engager
engagers
engages
engaging
engagingly
engagingness
engallant
engael
engarb
engarble
engarde
engarland
engarment
engarrison
engastrimyth
engastrimythic
engaud
engaze
engelmann
engelman
engem
engender
engendered
engenderer
engendering
engenderment
engenders
engendrure
engendure
engerminate
enghle
enghosted
engild
engilded
engilding
engilds
engin
engine
engine's
engined
engineer
engineer's
engineered
engineering
engineeringly
engineers
engineership
engineery
enginehouse
engineless
enginelike
engineman
enginemens
engineries
enginery
engines
engining
enginous
engird
engirded
engirding
engirdle
engirdled
engirdles
engirdling
engirds
engirt
engiscope
engjateigur
engl
englacial
englacially
englad
engladden
england
englander
englanders
englante
engle
engleim
english
englished
englisher
englishes
englishing
englishism
englishly
englishman
englishmen
englishry
englishwoman
englishwomen
englobe
englobed
englobement
englobing
engloom
englory
englue
englut
englute
engluts
englutted
englutting
englyn
englyns
engnessang
engobe
engold
engolden
engore
engorge
engorged
engorgement
engorges
engorging
engoue
engouee
engouement
engouled
engoument
en
engrace
engraced
engracing
engraff
engraffed
engraffing
engraft
engraftation
enhearse
enheart
enhearten
enheaven
enhedge
enhelm
enhemospore
enherit
enheritage
enheritance
enhorror
enhort
enhuile
enhunger
enhungered
enhusk
enhydrite
enhydritic
enhydros
enhydrous
enhypostasia
enhypostasis
enhypostatic
enhypostatize
eniac
enigma
enigmas
enigmata
enigmatic
enigmatical
enigmatically
enigmaticalness
enigmatist
enigmatization
enigmatize
enigmatized
enigmatizing
enigmatographer
enigmatography
enigmatology
enigua
enisle
enisled
enisles
enisling
enjail
enjamb
enjambed
enjambment
enjambments
enjambment
enjambments
enjelly
enjeopard
enjeopardy
enjewel
enjoin
enjoinder
enjoinders
enjoined
enjoiner
enjoiners
enjoining
enjoinment
enjoins
enjoy
enjoyable
enjoyableness
enjoyably
enjoyed
enjoyer
enjoyers
enjoying
enjoyingly
enjoyment
enjoyments
enjoys
enkennel
enkerchief
enkernel
enkindle
enkindled
enkindler
enkindles
enkindling
enkolpia
enkolpion
enkraal
en
enlace
enlaced
enlacement
enlaces
enlacing
enlard
enlarge
enlistments
enlists
enlive
enliven
enlivened
enlivener
enlivening
enliveningly
enlivenment
enlivenments
enlivens
enlock
enlodge
enlodgement
enlumine
enlure
enlute
enmagazine
enmanche
enmarble
enmarbled
enmarbling
enmask
enmass
enmesh
enmeshed
enmeshes
enmeshing
enmeshment
enmeshments
enmew
enmist
enmities
enmity
enmoss
enmove
enmuffle
ennage
enneacontahedral
enneacontahedron
ennead
enneadianome
enneadic
enneads
enneaeteric
enneagon
enneagonal
enneagons
enneagynous
enneahedra
enneahedral
enneahedria
enneahedron
enneahedrons
enneandrian
enneandrous
enneapetalous
enneaphyllous
enneasemic
enneasepalous
enneaspermous
enneastylar
enneastyle
enneastylos
enneasyllabic
enneateric
enneatic
enneatical
ennedra
ennerve
ennew
ennia
enniche
ennoble
ennobled
ennoblement
ennoblements
ennobler
ennoblers
ennobles
ennobling
ennoblingly
ennoblment
ennoic
ennomic
ennoy
ennui
ennuied
ennuis
ennuyant
ennuyante
ennuye
ennuye
ennuying
enoch
enocyte
enodal
enodally
enodate
enodation
enode
enoil
enoint
enol
enolase
enolases
enolate
enolic
enolizable
enolization
enolize
enolized
enolizing
enological
enologies
enologist
enology
enols
enomania
enomaniac
enomotarch
enomoty
enophthalmos
enophthalmus
enoplan
enoplion
enoptromancy
enorganic
enorm
enormious
enormities
enormity
enormous
enormously
enormousness
enorn
enorthotrope
enosis
enoseses
enosist
enostosis
enough
enoughs
enounce
enravish
enravished
enravishes
enravishing
enravishingly
enravishment
enray
enregiment
enregister
enregistered
enregistering
enregistration
enregistry
enrheum
enrib
enrich
enriched
enrichener
enricher
enrichers
enriches
enriching
enrichingly
enrichment
enrichments
enridged
enright
enring
enrinked
enringing
enripen
enrive
enrobe
enrobed
enrolement
enrober
enrobers
enrobes
enrobing
enrockment
enrol
enroll
enrolle
enrolled
enrolle
enrollees
enroller
enrollers
enrolles
enrolling
enrollment
enrollment's
enrollments
enrolls
enrolment
enrols
enroot
enrooted
enrooting
enroots
enough
enround
enruin
enrut
ens
ensafe
ensaffron
ensaint
ensalada
ensample
enampler
ensamples
ensand
ensandal
ensanguine
ensanguined
ensanguining
ensate
enscale
enscene
enschedule
ensconce
ensconced
ensconces
ensconceng
enscroll
enscrulled
enscrolling
enscrolls
ensculpture
ense
enseal
ensealed
ensealing
enseam
ensear
ensearch
ensearcher
enseat
enseated
enseating
enseel
enseem
ensellure
ensemble
ensemble's
ensembles
ensepulcher
ensepulchered
ensepulchering
ensepulchure
enseraph
enserf
enserfed
enserfing
enserfment
enserfs
enete
enshade
enshadow
enshawl
ensheath
ensheathe
ensheathed
ensheathes
ensheathing
ensheaths
enshell
enshelter
enshield
enshielded
enshielding
enshrine
enshrined
enshrinement
enshrinements
enshrines
enshrining
enshroud
enshrouded
enshrouding
enshrouds
ensient
ensiform
ensign
ensign's
ensigncies
ensigncy
ensigned
ensignhood
ensigning
ensignment
ensignry
ensigns
ensignship
ensilability
ensilage
ensilaged
ensilages
ensilaging
ensilate
ensilation
ensile
ensiled
ensiles
ensiling
ensilist
ensilver
ensindon
ensisternal
ensisternum
enskied
enskies
ensky
enskyed
enskying
enslave
enslaved
enslavedness
enslavement
enslavements
enslaver
enslavers
enslaves
enslaving
enslumber
ensmall
ensnare
ensnared
ensnarement
ensnarements
ensnarer
ensnarers
ensnares
ensnaring
ensnaringly
ensnarl
ensnarled
ensnarling
ensnarls
ensnow
ensober
ensophic
ensorcel
ensorcelled
ensorceling
ensorcelize
ensorcell
ensorcellment
ensorcels
ensorcererize
ensorrow
ensoul
ensouled
ensouling
ensouls
enspangle
enspell
ensphere
ensphered
enspheres
ensphering
enspirit
ensporia
enstaple
enstar
enstate
enstatite
enstatitic
enstatitite
enstatolite
ensteel
ensteep
enstool
enstore
enstranged
enstrengthen
enstyle
ensuable
ensuance
ensuant
ensue
ensued
ensuer
ensues
ensuing
ensuingly
ensuite
ensulphur
ensurance
ensure
ensured
ensurer
ensurers
ensures
ensuring
enswathe
enswathed
enswathement
enswathes
enswathing
ensweep
ensweeten
ensynopticity
entablature
entablatured
entablement
entablements
entach
entackle
entad
entail
entailable
entailed
entailer
entailers
entailing
entailment
entailments
entails
ental
entalent
entally
entame
entameba
entamebae
entamebas
entamebic
entamoeba
entamoebiasis
entamoebic
entangle
entangleable
entangled
entangledly
entangledness
entanglement
entanglements
entangler
entanglers
entangles
entangling
entanglingly
entapophysial
entapophysis
entarthrotic
entases
entasia
entasias
entasis
entassment
entastic
entea
entelam
entelechial
entelechies
entelechy
entellus
entelluses
entelodont
entempest
entemple
entender
entendre
entendres
entente
ententes
entepicondylar
enter
entera
enterable
enteraden
enteradenographic
enteradenography
enteradenological
enteradenology
ental
enteralgia
enterally
enterate
enterauxe
enterclose
enterectomies
enterectomy
entered
enterer
enterers
enterfeat
enterogenic
enteria
enteric
entericoid
entering
enteritidis
enteritis
entermete
entermise
enteroanastomosis
enterobacterial
enterobacterium
enterobiasis
enterobiliary
enterocele
enterocentesis
enteroceptor
enterochirurgia
enterochlorophyll
enterocholecystostomy
enterochromaffin
enterocinesia
enterocinetic
enterocleisis
enteroelisis
enteroclysis
enterococcal
enterococci
enterococcus
enterocoele
entercoelic
entercoelous
enterocolitis
enterocolostomy
enterocrinin
enterocyst
enterocystoma
enterodelous
enterodynia
enteroepiplocele
enterogastritis
enterogastrone
enterogenous
enterogram
enterograph
enterography
enterohelcosis
enterohemorrhage
enterohepatitis
enterohydrocele
enteroid
enterointestinal
enteroischiocoele
enterokinase
enterokinesia
enterokinetic
enterolith
enterolithiasis
enterologic
enterological
enterology
enterolysis
enteromegalia
enteromegaly
enteromere
enteromesenteric
enteromycosis
enteromyiasis
enteron
enteroneuritis
enterons
enteroparalysis
enteroparesis
enteropathogenic
enteropathy
enteropexia
enteropexy
enterophthisis
enteroplasty
enteroplegia
enteropneust
enteropneustal
enteropneustan
entertainment
entertainment's
entertainments
entertains
entertake
entertissue
entete
entfaoilff
enthalpies
enthalpy
entheal
enthean
entheasm
entheate
enthelmintha
enthelminthes
enthelminthic
entheos
enthetic
enthral
enthraldom
enthrall
enthrallldom
enthralled
enthraller
enthralling
enthrallingly
enthrallment
enthrallments
enthralls
enthralment
enhrs
enthro
enthroned
enthronement
enthronements
enthrones
enthrong
enthroning
enthronise
enthronised
enthronising
enthronization
enthronize
enthronized
enthronizing
enthuse
enthused
enthuses
enthusiasm
enthusiasms
enthusiast
enthusiast's
enthusiastic
enthusiastical
enthusiastically
enthusiasticalness
enthusiastly
enthusiasts
enthusing
enthymematic
enthymematical
enthymeme
entia
entice
enticeable
enticed
enticeful
enticement
enticements
enticer
enticers
entices
enticing
enticingly
enticingness
entier
enties
entifical
entification
entify
entincture
entire
entirely
entireness
entires
entireties
entirety
entirety
entitative
entitatively
entitatively
entitles
entitle
entitled
entitledness
entitlement
entitles
entitling
entitule
entity
entity's
entoblast
entoblastic
entobranchiate
entobronchium
entocalcaneal
entocarotid
entocoele
entocnemial
entocoel
entococele
entocoelic
entocondylar
entocondyle
entocondyloid
entocone
entoconid
entocornea
entocranial
entocuneiform
entocuneiform
entocyemate
entocyst
entoderm
entodermal
entodermic
entoderms
entogastic
entogenous
entoglossal
entohyal
entoil
entoiled
entoiling
entoilment
entoils
entoire
entom
entomb
entombed
entombing
entombment
entombments
entombs
entomere
entomeric
entomic
entomical
entomion
entomofauna
entomogenous
entomoid
entomol
entomologist
entomolite
entomologic
entomological
entomologically
entomologies
entomologise
entomologised
entomologising
entomologist
entomologists
entomologize
entomologized
entomologizing
entomology
entomophagan
entomophagous
entomophilous
entomophily
entomophobia
entomophthoraceous
entomophthorous
entomophytous
entomostracan
entomostraceous
entomotaxy
entomotomist
entomotomy
entone
entonement
entonic
entoolitic
entoparasite
entoparasitic
entoperipheral
entophytal
entophyte
entophytic
entophytically
entophytous
entopic
entopical
entoplasm
entoplastic
entoplastral
entoplastron
entopopliteal
entoproct
entoproctous
entopterygoid
entoptic
entoptical
entoptically
entoptics
entoptoscope
entoptoscopic
entoptoscopy
entoretina
entorganism
entortill
entosarc
entosclerite
entosphenal
entosphenoid
entosphere
entosterna
entosternal
entosternite
entosternum
entosthoblast
entothorax
entotic
entotympanic
entour
entourage
entourages
entozoa
entozoal
entozoan
entozoans
entozoarian
entozoic
entozoological
entozoologically
entozoologist
entreatingly
entreatment
entreats
entreaty
entrec
entrechat
entrechats
entrecote
entrecotes
entredeux
entree
entrees
entrefer
entrelac
entremess
entremets
entrench
entrenched
entrenches
entrenching
entrenchment
entrenchments
entrep
entrepas
entrepeneur
entrepeneurs
entrepot
entrepots
entreprenant
entrepreneur
entrepreneur's
entrepreneurial
entrepreneurs
entrepreneurship
entrepreneuse
entrepreneuses
entrept
entrer
entresalle
entresol
entresols
entresse
entrez
entria
entries
entrike
entrochite
entrochus
entropies
entropion
entropionize
entropium
entropy
entrough
entrust
entrusted
entrusting
entrustment
entrusts
entry
entry's
entryman
entrymen
entryway
entryways
entte
entune
enturret
entwine
entwined
entwinement
entwines
entwining
entwist
entwisted
entwisting
entwists
entwite
entypies
enucleate
enucleated
enucleating
enucleation
enucleator
enumerability
enumerable
enumerably
enumerate
enumerated
enumerates
enumerating
enumeration
enumerations
enumerative
enumerator
enumerators
epanadiplosis
epanalepsis
epanaleptic
epanaphora
epanaphoral
epanastrophe
epanisognathism
epanisognathous
epanodos
epanody
epanorthoses
epanorthosis
epanorthotic
epanothous
epapillate
epapophysial
epapophysis
epappose
eparch
eparchate
eparchial
eparchies
eparchs
eparchy
eparcaule
eparterial
epaule
epaulment
epaulet
epaulet's
epauletetd
epaulets
epaulette
epauletted
epauliere
epaxial
epaxially
epedaphic
epee
epeeist
epeeists
epees
epedia
eperic
epeirid
epieirogenesis
epieirogenetic
epieirogenic
epeirogenically
epeirogeny
epeisodia
epeisodion
epembryonic
epencephal
epencephala
epencephalic
epencephalon
epencephalons
ependyma
ependymal
ependymary
ependyme
ependymitis
ependymoma
ependytes
epenetic
epenla
epentheses
epenthesis
epenthese
epenthetic
epephragmal
epepophysial
epepophysis
epergne
epergnes
eperlan
eperotesis
eperva
epeus
epexegeses
epexegesis
epexegetic
epexegetical
epexegetically
epha
ephah
ephahs
ephapse
epharmonic
epharmony
ephas
ephebe
ephebea
ephebeia
ephebeibeia
ephebeion
ephebes
ephebeuba
ephebeum
ephebi
ephebic
epheboi
ephebos
ephebus
ephectic
ephedra
ephedras
ephedrin
ephedrine
nephdrins
nephelcystic
nephelis
nephemera
nephemerae
nephemeral
nephemeralities
nephemerality
nephemeraly
nephemeralness
nephememan
nephemeras
nephemeric
nephemerd
nephemerides
nephemesis
nephemerist
nephemermorph
nephemermorphic
nephemeron
nephemersons
nephemeros
nephernerist
nephesian
nephesians
nepheseine
nephestia
nephestian
nephetae
nephete
nephetic
nephialtes
nephidrosis
nephippia
ephippial
ephippium
ephod
ephods
ephyi
ephor
ephoral
ephoralty
ephorate
ephorates
ephori
ephoric
ephors
ephorship
ephorus
ephphatha
ephraim
ephthianure
ephydriad
ephydrid
ephymnium
ephyra
ephyrae
ephyrula
epi
epi basal
epi batholithic
epi batus
epi benthic
epi benthos
epi biotic
epi blast
epi blastema
epi blastic
epi blasts
epi blemata
epi bole
epi bolic
epi bologies
epi bolism
epi boly
epi boulangerite
epi branchial
epic
epic's
epical
epically
epicalyces
epicalyx
epicalyaxes
epicanthi
epicanthic
epicanthus
epicardia
epicardiac
epicardial
epicardium
epicarid
epicaridan
epicarp
epicarpal
epicarps
epicide
epicedia
epicedial
epicedian
epicedium
epicele
epicene
epicenes
epicenism
epicenity
epicenter
epicenters
epicentra
epicentral
epicentre
epicentrum
epicentrums
epicerastic
epicerbral
epicheirema
epicheiremata
epichil
epichile
epichilia
epichilium
epichindrotic
epichirema
epichlorohydrin
epichondrosis
epichondrotic
epichordal
epichorial
epichoric
epichorion
epichoristic
epichristian
epicier
epicism
epicist
epiclastic
epicleidian
epicleidium
epicleses
epicleisis
epiclidal
epiclile
epiclinal
epicyl
epicnemial
epicoefar
epicoele
epicoelia
epicoeliac
epicoelian
epicoeloma
epicoelous
epicolic
epicondylar
epicondylole
epicondylian
epicondylic
epicondylitis
epicontinental
epicoracohumeral
epicoracid
epicoracoidal
epicormic
epicorolline
epicortical
epicostal
epicotyl
epicotyleal
epicotyledonary
epicotyls
epicranial
epicranium
epicranius
epicrasis
epicrises
epicrisis
epicritic
epicrystalline
epics
epicure
epicurean
epicureanism
epicureans
epicures
epicurish
epicurishly
epicurism
epicurize
epicuticle
epicuticular
epicycle
epicycles
epicyclic
epicyclical
epicycloid
epicycloidal
epicyemate
epicyesis
epicystotomy
epicyte
epideictic
epideictical
epideistic
epidemial
epidemic
epidemic's
epidemical
epidemically
epidemicalness
epidemicity
epidemics
epidemiographer
epidemiography
epidemiologic
epidemiological
epidemiologically
epidemiologies
epidemiologist
epidemiology
epidemy
epidendral
epidendric
epidendron
epidendrum
epiderm
epiderma
epidermal
epidermatic
epidermatoid
epidermatous
epidermic
epidermical
epidermically
epidermidalization
epidermis
epidermization
epidermoid
epidermoidal
epidermolysis
epidermomycosis
epidermophytosis
epidermose
epidermous
epiders
epidesmine
epidia
epidialogue
epidiascope
epidiascopic
epidictic
epidictical
epididymal
epididymectomy
epididymides
epididymis
epididymite
epididymitis
epididymodeferentectomy
epididymodeferential
epididymovasostomy
epidiiorite
epidiorthosis
epidiplosis
epidosite
epidote
epidotes
epidot
epidotic
epidotiferous
epidotization
epidural
epidymides
epifascial
epiflora
epifaunae
epifaunal
epifaunas
epifocal
epifolliculitis
epigaeous
epigamic
epigaster
epigastraeum
epigastral
epigastria
epigastral
epigastric
epigastrical
epigastrocele
epigastrium
epigastrocele
epigean
epigee
epigeic
epigene
epigenesis
epigenesist
epigenetic
epigenetically
epigenic
epigenist
epigenous
epigeous
epigeum
epiglot
epiglottal
epiglottic
epiglottidean
epiglottides
epiglottiditis
epiglottis
epiglottises
epiglottitis
epignathous
epigne
epigon
epigonal
epigionation
epigone
epigoneion
epigones
epilabrum
epalamellar
epilaryngeal
epilate
epilated
epilating
epilation
epilator
epilatory
epilegomenon
epilemma
epilemmal
epileny
epilepsia
epilepsies
epilepsy
epileptic
epileptical
epileptically
epileptics
epileptiform
epileptogenic
epileptogenous
epileptoid
epileptologist
epileptology
epilimnetic
epilimnial
epilimnia
epilimnion
epilimnionia
epilithic
epilobe
epilog
epilogate
epilogation
epilogic
epilogical
epilogism
epilogist
epilogistic
epilogize
epilogized
epilogizing
epilogs
epilogue
epilogued
epilogues
epiloguing
epiloguize
epiioia
epinacus
epinandibular
epinanikia
epinanikion
epimer
epimeral
epimerase
epimere
epimeres
epimeric
epimeride
epimerise
epimerised
epimerising
epimerism
epimerite
epimeric
epimeritic
epimerize
epimerized
epimerizing
epimeron
epimers
epimerum
epimorpha
epimorphic
epimorphism
epimorphosis
epimyocardial
epimyocardium
epimysia
epimysium
epimyth
epinaoi
epinaos
epinard
epinastic
epinastically
epinasties
epinasty
epineolithic
epinephrin
epinephrine
epinette
epineaneuria
epineural
epineuria
epineurial
epineurium
epingle
epinglette
epinicia
epinicial
epinician
epiniccion
epinikia
epinikian
epinikion
epinine
epinycts
epionychia
epionychium
epionynychia
epiopticon
epiotic
epipaleolithic
epipanies
epipany
epiparasite
epiparodos
epipastic
epipedometry
epipelagic
epiperipheral
epipetalous
epiphanic
epiphanies
epiphanise
epiphanised
epiphanising
epiphanize
epiphanized
epiphanizing
epiphanous
epiphan
epipharyngeal
epiphranyx
epiphenomena
epiphenomenal
epiphenomenalism
epiphenomenalist
epiphenomenally
epiphenomenon
epiphloedal
epiphloedic
epiphloeum
epiphonema
epiphonemae
epiphonemas
epiphora
epiphragm
epiphragmal
epiphylaxis
epiphyl
epiphylline
epiphyllospermannous
epiphylous
epiphysary
epiphyseal
ephyseolysis
epiphyses
epiphysial
epiphysis
epiphysitis
epiphytal
epiphyte
epiphytes
epiphytic
epiphytically
epiphytism
epiphytology
epiphytotic
epiphytous
epipial
epiplankton
epiplanktonic
epiplasm
epiplasmic
epiplastral
epiplastron
epipleptic
epipleura
epipleurae
epipleural
epiplexis
epiploce
epiplocele
epiploic
epiploitis
epiploon
epiploectomy
epipodia
epipodial
epipodiale
epipodialia
epipodite
epipoditic
epipodium
epipolic
epipolism
epipolize
epiprecoracoid
epiproct
epipteric
epipterous
epipterygoid
epipubes
epipubic
epipubis
epirhizous
epirogenetic
epirogenic
epirogeny
epirot
epirotulian
epirrhema
epirrhematic
epirrheme
episarcine
episarkine
episcenia
episcenium
episcia
episcias
episclera
episcleral
episcleritis
episcopable
episcopacies
episcopacy
episcopal
episcopalian
episcopianism
episcopalianism
episcopilians
episcopalism
episcopality
episcopally
episcopant
episcoparian
episcopate
episcopates
episcopation
episcopature
episcope
episcopes
episcopicide
episcopise
episcopised
episcopising
episcopization
episcopize
episcopized
episcopizing
episcopolatry
episcopy
episcotister
episedia
episematic
episememe
episepalous
episiocele
episiohematoma
episioplasty
episiorrhagia
episiorrhaphy
episiostenosis
episiotomies
episiotomy
episkeletal
episkotister
episodal
episode
episode's
episodes
episodial
episodic
episodical
episodically
episomal
epismally
episme
episomes
epispadia
epispadiac
epispadias
epispastic
episperm
epispermic
epispinal
episplenitis
episporangium
eispore
eisporium
eipst
eipstapedial
eipstases
eipstasies
eipstasis
eipstasy
eipstactic
eipstaxis
eipstem
eipstemic
eipstemically
eipstemolog
epistemological
eipistemologically
eipistemologist
eipistemology
eipstemonic
eipstemonical
eipistemophilia
eipistemophilic
eipistemophilic
eipistena
eipisterna
episternal
eipisternalia
eipisternite
eipisternum
eipisthotonos
epistilbite
eipstlar
epistle
epistle's
eipstler
eipstlers
eipstles
eipstolar
eipstolarian
eipstolarily
eipstolary
eipstolatory
eipstolean
eipstoler
epistolet
epistic
epistolical
epistolise
epistolised
epistolising
epistolist
epistolizable
epistolization
epistolize
epistolized
epistolizer
epistolizing
epistolographer
epistographic
epistologist
epistologist
epistolographer
epistolography
epistoma
epistomal
epistomata
epistome
epistomian
epistroma
epistrophe
epistropheal
epistropheus
epistrophic
epistrophic
epistrophy
epistylar
epistyle
epistyles
episyllogism
episynaloephe
episynthetic
episyntenon
epit
epitactic
epitaph
epitapher
epitaphial
epitaphian
epitaphic
epitaphical
epitaphist
epitaphize
epitaphless
epitaphs
epitases
epitasis
epitaxial
epitaxially
epitaxic
epitaxies
epitaxis
epitaxy
epitela
epitendineum
epitenon
epithalami
epithalamia
epithalamial
epithaliomast
epithalamic
epithalamion
epithalamium
epithalamiumia
epithalamiums
epithalamize
epithalamus
epithalamy
epithalline
epithamia
epitheca
epithecal
epithecate
epithecia
epithelial
epithelialize
epithelilia
epithelialiums
epithelioblastoma
epitheliocceptor
epitheliogenetic
epithelioglandular
epithelioid
epitheliolysin
epitheliolysis
epitheliolytic
epithelioma
epitheliomas
epitheliomata
epitheliomatous
epitheliomuscular
epitheliosis
epitheliotoxin
epitheliulia
epithelium
epitheliums
epithelization
epithelize
epitheloid
epithem
epitheme
epithermal
epithermally
epithesis
epithet
epithet's
epithetic
epithetical
epithetically
epithetian
epithetize
epitheton
epithets
epithi
epithumetic
epithyme
epithymetic
epithymetical
epitimesis
epitoke
epitomate
epitomator
epitomatory
epitome
epitomes
epitomic
epitomical
epitomically
epitomisation
epitomise
epitomised
epitomiser
epitomising
epitomist
epitomization
epitomize
epitomized
epitomizer
epitomizes
epitomizing
epitonic
epitonion
epitoxoid
eptra
epitrachelia
epitrachelion
epitrachelia
epitra
epitrichial
epitrichium
epitrile
epitrilitic
epitrochlea
epitrochlear
epitrochoid
epitrochoidal
epitrope
epitrophic
epitrophy
epituberculosism
epituberculous
epitympana
epitympanic
epitympanum
epityphlitis
epityphlon
epiural
epivalve
epixyloous
epizeuxis
epiza
epizoal
epizoan
epizoarian
epizoic
epizoicide
epizoism
epizoisms
epizoite
epizoites
epizoology
epizoon
epizootic
epizootically
epizooties
epizootiologic
epotation
epoxide
epoxides
epoxidize
epoxied
epoxies
epoxy
epoxyed
epoxying
eppes
epris
eprise
eprosy
eprouvette
epruinose
epsilon
epsilons
epsom
epsomite
epulary
epulation
epulis
epulo
epuloid
epulones
epulosis
epulotic
epupillate
epural
epurate
epuration
epyllia
epyllion
eq
eqpt
equability
equable
equableness
equably
equaeval
equal
equalable
equaled
equaling
equalisation
equalise
equalised
equalises
equalising
equalist
equalitarian
equalitarianism
equalities
equality
equality’s
equalization
equalize
equalized
equalizer
equalizers
equalizes
equalizing
equalled
equaller
equalling
equally
equalityness
equals
equanualer
equanual
equanumity
equanumnous
equanumnously
equanumnousness
equant
equatability
equatable
equate
equated
equates
equating
equation
equational
equationally
equationism
equationist
equations
equative
equator
equator’s
equatorial
equatorially
equators
equatorward
equatorwards
equarries
equerry
equerryship
eques
equestrial
equestrian
equestrianism
equestrianize
equestrians
equestrianship
equestrienne
equestriennes
equianchorate
equiangle
equiangular
equiangularity
equianharmonic
equiartriculate
equiatomic
equigix
equigxed
equigxial
equibalance
equibalanced
equibiradiate
equicaloric
equicellular
equichangeable
equicolesive
equicontinuous
equiconvex
equicostate
equicrural
equicurve
equid
equidense
equidensity
equidiagonal
equidifferent
equidimensional
equidist
equidistance
equidistant
equidistential
equidistantly
equidistribution
equidiurnal
equidivision
equidominant
equidurable
equielliptical
equiexcellency
equiform
equiformal
equiformity
equiglacial
equigranular
equijacent
equilater
equilateral
equilaterally
equilibrant
equilibrate
equilibrated
equilibrates
equilibrating
equilibration
equilibrations
equilibrative
equilibrator
equilibratory
equilibreria
equilibrerial
equilibrirate
equilibririo
equilibrrious
equilibriria
equilibririst
equilibrirat
equilibriristic
equilibririty
equilibririum
equilibririums
equilibririze
equilin
equiliria
equilobate
equilobed
equilocation
equilucent
equimodal
equimolal
equimolar
equimolecular
equimomentai
equimultiple
equinal
equinate
equine
equinecessary
equinely
equines
equinia
equinites
equinity
equinocital
equinocitially
equinovarus
equinox
equinoxes
equinumerally
equinus
equiomnipotent
equip
equipaga
equipage
equipages
equiparable
equiparant
equiparate
equiparation
equipartile
equipartisan
equipartition
equiped
equipedal
equipede
equipendent
equipertiodic
equipluve
equipment
equipments
equipeose
equipeosed
equipeoses
equipeoising
equipeollence
equipeollency
equipeollent
equipeollently
equipeollentness
equipeponderance
equipeponderancy
equipeponderant
equipeponderate
equiponderated
equiponderating
equiponderation
equiponderous
equipondious
equipostile
equipotent
equipotential
equipotentiality
equipped
equiper
equippers
equipping
equiprobabilism
equiprobabilist
equiprobability
equiprobable
equiprobably
equiproducing
equiproportional
equiproportionality
equips
equipt
equiradial
equiradiate
equiradical
equirotal
equisegmented
equiseta
equistaceous
equistetic
equisetum
equisetums
equisided
equisignal
equisized
equison
equisonance
equisonant
equispaced
equispatial
equisufficiency
equisurface
equitability
equitable
equatableness
equitably
equitantential
equitant
equitation
equitative
equitemporal
equitemporaneous
equites
equities
equitist
equitriangular
equity
equiv
equivale
equivalence
equivalenced
equivalences
equivalencies
equivalencing
equivalency
equivalent
equivalently
equivalents
equivaliant
equivalue
equivaluer
equivalve
equivalved
equivalvular
equivelocity
equivocacies
equivocacy
equivocal
equivocalities
equivocality
equivocally
equivocalness
equivocate
equivocated
equivocates
equivocating
equivocatingly
equivocation
equivocations
equivocator
equivocators
equivocatory
equivoke
equivokes
equivoluminal
equivoque
equivorous
equivote
equoid
equoidean
equulei
equuleus
equivalent
er
era
era's
erade
eradiate
eradiated
eradiates
eradiating
eradiation
eradicable
eradicably
eradicant
eradicate
eradicated
eradicates
eradicating
eradication
eradications
eradicative
eradicator
eradicators
eradical
eradicate
erasability
erasable
erase
erased
erasure
eraser
erasers
erases
erasing
erasion
erasions
erasmian
erastian
erenach
erenow
erepsin
erepsins
erept
ereptase
ereptic
ereption
erer
eretic
erethia
erethism
erethismic
erethisms
erethistic
erethitic
erewhile
erewhiles
erf
erg
ergal
ergamine
ergasia
ergasterion
ergastic
ergastoplasm
ergastoplasmic
ergastulum
ergatandromorph
ergatandromorphic
ergatandrous
ergatandry
ergate
ergates
ergative
ergatocracy
ergatocrat
ergatogyne
ergatogynous
ergatogyne
ergatoid
ergatomorph
ergatomorphic
ergatomorphism
ergmeter
ergo
ergocalciferol
ergodic
ergodicity
ergogram
ergograph
ergographic
ergoism
ergology
ergomaniac
ergometer
ergometric
ergometrine
ergon
ergonomic
ergonomically
ergonomics
ergonomist
ergonovine
ergophile
ergophobia
ergophobic
ergoplasm
ergostat
ergosterin
ergosterol
ergot
ergotamine
ergotaminine
ergoted
ergothioneine
ergotic
ergotin
ergotine
ergotinine
ergotism
ergotisms
ergotist
ergotization
ergotize
ergotized
ergotizing
ergotoxin
ergotoxine
ergots
ergs
ergusia
eria
eric
erica
ericaceous
ericad
erical
ericas
ericetal
ericeticolous
ericetum
erichthoid
erichthus
erichtoid
ericineous
ericius
ericoid
ericolin
ericophyte
erie
erigeron
erigerons
erigible
eriglossate
erika
erikite
erin
erinaceous
erineum
eringo
eringoes
eringos
erinite
erinnic
erinose
erinys
eriocaulaceous
erioglaucine
eriometer
ertonite
eriphorum
eriophyid
eriophyllous
eris
eristic
eristical
eristically
eristics
erizo
erk
erke
erliche
erosionist
erosions
erosive
erosiveness
erosivity
erostrate
erotema
eroteme
erotesis
erotetic
erotic
erotica
erotical
erotically
eroticism
erotician
erotization
eroticize
erotizing
erotocomania
erotocomaniac
erotocomaniacal
erotics
erotism
erotisms
erotization
erotize
erotized
erotizing
erotogeneses
erotogenesis
erotogenetic
erotogenic
erotogenicity
erotographomania
erotology
erotomania
erotomaniac
erotomaniacal
erotopath
erotopathic
erotopathy
erotophobia
erotylid
erpetologist
erpetology
err
errability
eruptible
erupting
eruption
eruptional
eruptions
eruptive
eruptively
eruptional
eruptions
eruptivity
erupts
erupturient
ervenholder
ervil
ervils
eryhtrism
eryngo
eryngoes
eryngos
eryopid
eryopsid
erysipelas
erysipelatoid
erisyipelatous
erisyipeloid
erisyipelothrix
erysipelous
erythema
erythermal
erythemas
erythematic
erythematous
erythemic
erythorbate
erythraeian
erythraemia
erythrasma
erythrean
erythremia
erythremomelalgia
erythrene
erythric
erythrin
erythrina
erythrine
erythrm
erythriskal
erythristic
erythrite
erythritic
erythritol
erythroblast
erythroblastic
erythroblasticosis
erythroblasticotic
erythrocarpous
erythrocatalysis
erythrochroic
erythrochroism
erythroclasis
erythroclastic
erythrocye
erythrocytes
erythrocytic
erythrocytoblast
erythrocytolysin
erythrocytolysis
erythrocytolytic
erythrocytometer
erythrocytometry
erythrocytorrhesis
erthrocytosis
erythrodegenerative
erthroderma
erythrodermia
erythodextrin
erythrogen
erythrogenesis
erythrogenic
erythrog glucin
erythrogonium
erythroid
erythrol
erythrolein
erythrolitmin
erythrolysin
erythrolysis
erythrolytic
erythromania
erythromelalgia
erythromycin
erythron
erythroneocytosis
erythronium
erythrons
erythropenia
erythrophage
erythrophagous
erythrophilous
erythrophleine
erythrophobia
erythrophore
erythrophyll
erythrophyllin
erythropia
erythroplastid
erythropoiesis
erythropoietic
erthropoietin
erythropsia
erythropsin
erythrorhexis
erythroscope
erythrose
erythrosiderite
erythrosin
erythrosine
erythrosinophile
erythrosis
erythroxylaceous
erythroxylene
erythrozincite
erythrozyme
erythrulose
erzahler
es
esau
esbatement
esbay
esc
esca
escadrille
escadrilles
escalade
escaladed
escalader
escalades
escalading
escalado
escalan
escalate
escalated
escalates
escritoire
escritoires
escritorial
escrod
escrol
escroll
escropulo
escrow
escrowed
escrowee
escrowing
escrows
escruage
escry
escuage
escuages
escudero
escudo
escudos
escuela
esculapian
esculent
esculents
escuetic
esculic
esculin
escurialize
escutcheon
escutcheoned
escutcheons
escutellate
esd
esdragol
ese
esemplastic
esemplasy
esepitate
esere
eserin
eserine
eserines
eses
esexual
esguard
eshin
esiphonal
eskar
eskars
esker
eskers
eskimo
eskimoes
eskimos
eslabon
eslisor
esloign
esmayle
esmralda
esmraldite
esne
esneey
esoanhydride
esocataphoria
esociform
esocyclic
esodic
esoenteritis
esoethmoiditis
esogastritis
esonarthex
esoneural
esopgi
esophagal
esophagalgia
esophageal
esophagean
esophagectasia
esophagectomy
esophagi
esophagism
esophagismus
esophagitis
esophago
esophagecele
esophagodynia
esophagogastroscopy
esophagogastrostomy
esophagomalacia
esophagometer
esophagomycosis
esophagopathy
esophagoplasty
esophagoplegia
esophagoplication
esophagoptosis
esophagorrhagia
esophagoscope
esophagoscopy
esophagospasm
esophagostenosis
esophagostomy
esophagotome
esophagotomy
esophagus
esophoria
esophoric
esoteric
esoterica
esoterical
esoterically
esotericism
esotericist
esoterics
esoterism
esoterist
esoterize
esotery
esothyropexy
esotrope
esotropia
esotropic
esox
esp
espace
espacement
espada
espadon
espadrille
espadrilles
espagnole
espagnolette
espalier
espaliered
espaliering
espaliers
espanol
espanoles
espantoon
esparcat
esparsette
esparto
espartos
espathate
espave
essence
essence's
essenced
essences
essencing
essency
essene
essenhout
essentia
essential
essentialism
essentialist
essentialities
essentiality
essentialization
essentialize
essentialized
essentializing
essentially
essentialness
essentials
essentiate
essenwood
esser
esses
essexite
essive
essling
essoin
essoined
essoinee
essoiner
essoining
essoingment
essoins
essonite
essonites
essorant
est
estab
estable
establish
establishable
established
establisher
establishes
establishing
estensible
ester
esterase
esterases
esterellite
esteriferous
esterifiable
esterification
esterified
esterifies
esterify
esterifying
esterization
esterize
esterizing
esterling
esters
esters
estevin
esthematology
ester
esterian
estheses
esthesia
esthesias
esthesio
esthesioblast
esthesiogen
esthesiogenic
esthesiogeny
esthesiography
esthesiology
esthesiometer
esthesiometric
esthesiometry
esthesioneurosis
esthesiophysiology
esthesiology
esthesises
esthete
esthetes
esthetic
esthetical
esthetically
esthetician
estheticism
esthetics
esthetology
esthetophage
esthiomene
esthiomenus
estimable
estimableness
estimably
estimate
estimated
estimates
estimating
estimatingly
estimation
estimations
estimative
estimator
estimators
estipulate
estivage
estival
estivate
estivated
estivates
estivating
estivation
estivator
estive
estmark
estoc
estocada
estocs
estoil
estoile
estolide
estonia
estonian
estonians
estop
estoppage
estoppal
estopped
estoppel
estoppels
estopping
estops
estoque
estovers
estrada
estradas
estrade
estradiol
estradiot
estrado
estragol
estragole
estragone
estragon
estral
estramazone
estrange
estranged
estrangedness
estrangelo
estrangement
estrangements
estranger
estranges
estranging
estrangle
estrapade
estray
estrayed
estraying
estrays
estre
estreat
estreated
estreating
estreets
estrepe
estrepelement
estriate
estrich
estriche
estrif
estrildine
estrin
estrins
estriol
estriols
estrogen
estrogenic
estrogenically
estrogenicity
estrogens
estrone
estrones
etatism
etatisme
etatisms
etatist
e tc
etcetera
etceteras
etch
etchant
etched
etcher
etchers
etches
etching
etchings
et
eteocles
eteostic
eterminable
eternal
eternalise
eternalised
eternalising
eternalism
eternalist
eternity
eternalization
eternalize
eternalized
eternalizing
eternally
eternalness
eternals
eterne
eternisation
eternise
eternised
eternises
eternish
eternising
eternities
eternity
eternization
eternize
eternized
eternizes
eternizing
etesian
ethicians
ethicism
ethicist
ethicists
ethicize
ethicized
ethicizes
ethicizing
ethicoaesthetic
ethicophysical
ethicopolitical
ethicoreligious
ethicosocial
ethics
ethid
ethide
ethidene
ethinamate
ethine
ethinyl
ethinyls
ethiodide
ethion
ethionamide
ethionic
ethionine
ethions
ethiop
ethiopia
ethiopian
ethiopians
ethiopic
ethiops
ethize
ethmofrontal
ethmoid
ethmoidal
ethmoiditis
ethmoidals
ethmolachrymal
ethmolith
ethmomaxillary
ethmonasal
ethmopalatal
ethmopalatine
ethmophysal
ethmopresphenoidal
ethmose
ethmosphenoid
ethmosphenoidal
ethmoturbinal
ethmoturbinate
ethmovomer
ethmovomerine
ethnaphthitís
ethnal
ethnarch
ethnarchies
ethnarchs
ethnarchy
ethnic
ethnical
ethnically
ethnicism
ethnicist
ethnicity
ethnize
ethnicon
ethnings
ethnize
ethnobiological
ethnobiology
ethnobotanic
ethnobotanical
ethnobotanist
ethnobotany
ethnocentric
ethnocentrically
ethnocentricity
ethnocentrism
ethnocracy
ethnocracy
ethnodicy
ethnoflora
ethnog
ethnogenic
ethnogenies
ethnogenist
ethnogeny
ethnogeographer
ethnogeographic
ethnogeographical
ethnogeographically
ethnogeography
ethnographer
ethnographic
ethnographical
ethnographically
ethnographies
ethnographist
ethnography
ethnologist
ethnological
ethnologically
ethnologists
ethnology
ethnomaniac
ethnomanic
ethnomusicological
ethnomusicologically
ethnomusicologist
ethnomusicology
ethnopsychic
ethnopsychological
ethnopsychology
ethnos
ethnoses
ethnotechnics
ethnotechnography
ethnozoological
ethnozoology
ethography
etholide
ethologic
ethological
ethologically
ethologies
ethologist
ethologists
ethology
ethonomic
ethonomics
ethonomic
ethopoeia
ethopoetic
ethos
ethoses
ethoxide
ethoxy
ethoxycaffeine
ethoxylethane
ethoxyl
ethoxyls
ethrog
ethrogim
ethrogs
eths
ethyl
ethylamide
ethylamine
ethylamin
ethylamine
ethylate
ethylated
ethylates
ethylating
ethylation
ethylbenzene
ethylidichloroarsine
ethylenation
ethylene
ethylenediamine
ethylenes
ethylenic
ethylenically
ethylenimine
ethylenoid
ethylhydrocupreine
ethylidic
ethylidene
ethyldyne
ethylidyne
ethyl
ethylmorphine
ethyls
ethylsulphuric
ethylthioethane
ethylthioether
ethyne
ethynes
ethynyl
ethynylation
ethynyls
ethysulphuric
etiam
etiogenic
etiolate
etiolated
etiolates
etiolating
etiolation
etiolin
etiolize
etiologic
etiological
etiologically
etiologies
etiologist
etiologue
etiology
etiophyllin
etioporphyrin
etiotropic
etiotropically
etiquet
etiquette
etiquettes
etiquettical
etna
etnas
etoffe
etoile
etoiles
eton
etonian
etouffe
etourderie
etrenne
etrier
etrog
etrogim
etrogs
etruria
ettrian
etruscan
etruscans
ettercap
ettione
ettle
ettled
eubteria
eucaine
eucaines
eucairite
eucalyn
eucalypt
eucalyptol
eucalypti
eucalyptian
eucalyptic
eucalyptography
eucalyptol
eucalyptole
eucalypts
eucalyptus
eucalyptuses
eucarpic
eucarpous
eucaryote
eucaryotic
eucatropine
eucephalous
eugia
eucharis
eucharises
eucharist
eucharistial
eucharistic
eucharistical
eucharistically
eucharistize
eucharistized
eucharistizing
eucharists
euchite
euchlorhydria
euchloric
euchlorine
euchlorite
euchologian
euchologial
euchological
euchologies
euchologion
euchology
euchre
euchred
euchres
euchring
euchroic
euchroite
euchromatic
euchromatin
euchrome
euchromosome
euchrone
euchymous
euchysiderite
euciliate
euclase
euclases
ucleid
euclid
euclidean
euclidian
euclolite
eucene
euconic
eucosmid
eucrasia
eucresite
eucrasy
uecre
eucrite
eucrites
eucritic
eucryphiaceous
eucryptite
eucrystalline
eucti
euctical
eucyclic
ueba
eudaemon
eudaemonia
eudaemonic
eudaemonical
eudaemonics
eudaemonism
eudaemonist
eudaemonistic
eudaemonistical
eudaemonistically
eudaemonize
eudaemons
eudaemony
eudaemonia
eudaimonism
eudaimonist
eudalene
eudemon
eudemonia
eudemonic
eudemonics
eudemonism
eudemonist
eudemonistic
eudemonistical
eudemonistically
eudemons
eudemony
eudesmol
eudiagnostic
eudalyte
eudaphoresis
eudidymite
eudiometer
eudiometric
eudiometrical
eudiometrically
eudiometry
eudipleural
euctic
euemerism
euflavine
euge
eugene
eugenetic
eugenesis
eugenesic
eugener

eugenic
eugenic
eugenical
eugenerically
eugenicist
eugenicists
eugenics
eugenist
eugenists
eugenol
eugenolate
eugenols

eugeny
eugeosynclinal
eugeosyncline
euglena
euglenas
euglenoid
euglobulin
eugonic
eugranitic
euhages
euharmonic
euhedral
euhemerise
euhemerised
euhemerising
euhemerism
euhemerist
euhemeric
euhemerically
euhemerize
euhemerized
euhemerizing
euhystylic
euhystyly
eukairite
eukaryote
euktolite
eulachan
eulachans
eulachon
eulachons
eulalia
eulamellibranch
eulamellibranchiate
euler
eulerian
eulogia
eulogiae
eulogias
eulogic
eulogical
eulogically
eulogies
eulogious
eulogisation
eulogise
eulogised
eulogiser
eulogises
eulogising
eulogism
eulogist
eulogistic
eulogistical
eulogistically
eulogists
eulogium
eulogiums
eulogization
eulogize
eulogized
eulogizer
eulogizers
eulogizes
eulogizing
eulogy
eulophid
eulysite
eulytin
eulytine
eulytite
eumelanin
eumemorrhea
eumenid
eumenides
eumenorrhea
eumerism
eumeristic
eumerogenesis
eumerogenetic
eumeromorph
eumeromorphic
eumitosis
eumitotic
eumoiriety
eumoirous
eumolpique
eumorphic
eumorphous
eumycete
eumycetic
eundem
eunicid
eunomy
eunuch
eunuchal
eunuchise
eunuchised
eunuchising
eunuchism
eunuchize
eunuchized
eunuchizing
eunuchoid
eunuchoidism
eunuchry
eunuchs
euodic
euomphalid
euonym
euonymin
euonymous
euonymus
euonymuses
euonymy
euornithic
euosmite
euouae
eupad
eupathy
eupatoriaceous
eupatorin
eupatorine
eupatorium
eupatory
eupatrid
eupatridae
eupatrids
eupepsia
eupepsias
eupepsies
eupepsy
eupeptic
eupeptically
eupepticism
eupepticity
euphausid
euphausiid
euphemian
euphemious
euphemistically
euphemisation
euphemise
euphemised
euphemiser
euphemising
euphemism
euphemism's
euphemisms
euphemist
euphemistic
euphemistical
euphemistically
euphemization
euphemize
euphemized
euphemizer
euphemizing
euphemous
euphemy
euphenic
euphenics
euphon
euphone
euphonic
euphonetic
euphonetics
euphonia
euphoniad
euphonic
euphonical
euphonically
euphonicalness
euphonies
euphonious
euphoniously
euphoniousness
euphonise
euphonised
euphonising
euphonism
euphonium
euphonicize
euphonized
euphonizing
euphonon
euphonous
euphony
euphonym

euphorbia
euphorbiaceous
euphorbial
euphorbina
euphorbium
euphoria
euphoriant
euphorias
euphoric
euphorically
euphory
euphotic
euphotide
euphrasia
euphrasies
euphrasy
euphrates
euphoee
euphoes
euphrosyne
euphues
euphuism
euphuisms
euphuist
euphuistic
euphuistical
euphuistically
euphuists
euphuize
euphuized
euphuizing
euphylite
eupion
eupione
eupittone
eupittonic
euplastic
euploid
euploidies
euploids
euploidly
euplotid
eupnea
eupneas
eupneic
eupnoea
eupnoeas
eupnoeic
eupolyzoan
eupotamic
eupractic
eupraxia
eupsychics
eupyrchroite
eupyrene
eupyrion
euraquilo
eurasia
eurasian
eurasians
eure
eureka
eurhodine
eurhodol
eurhythmic
eurhythmical
eurhythmics
eurhythm
euripi
euripidean
euripides
euripos
euripupi
euripus
eurite
eurithermophile
eurithermophilic
euro
eurobin
eurocentric
euroclydon
eurodollar
eurodollars
europa
europe
european
europeanism
europeanize
europeans
europhium
europium
europiums
euros
eurous
eurus
euryalean
euryvalidan
eurybathic
eurybenthic
eurycephalic
eurycephalous
eurycerous
eurychoric
eurydice
eurygnathic
eurygnathism
eurygnathous
euryhaline
eurylaimoid
euryon
euryphage
euryphagous
euryprognathous
euryprosop sic
eurypterid
eurypteroid
eurypylous
euryscope
eurystomatous
euryte
eurytherm
eurythermal
eurythermic
eurythermous
eury thmic
eurythmatic
eurythmics
eurythmies
eury thmy
eurytomid
eurytopic
eurytopicity
eurytopic
euryzygous
eusbian
euskarian
eusol
eusporangiate
eustachian
eustachium
eustacies
eustacy
eustatic
eustatically
eustele
eusteles
eustomatous
eustyle
eusuchian
eusynchite
eutannin
eutacic
eutaxie
eutaxies
eutaxite
eutaxitic
eutaxy
eutechnic
eutechnics
eutectic
eutectics
eutectoid
eutelegenic
euterpe
eutexia
euthanasia
euthanasic
euthanasy
euthanatize
euthenasia
euthenic
euthenics
euthenist
eutherian
euthermic
euthycomic
euthymy
euthyneural
euthyneurous
euthyroid
euthytic
euthytropic
eutocia
eutomous
eutony
eutoria
eutrophic
eutrophication
eutrophies
eutrophy
eutropic
eutropous
eutychian
euvrou
euxanthate
euxanthic
euxanthin
euxanthone
euxenite
euxenites
evacuant
evacuants
evacuate
evacuated
evacuates
evacuating
evacuation
evacuations
evacuative
evacuator
evacuators
evacue
evacuee
evacuees
evadable
evade
evaded
evader
evaders
evades
evadible
evading
evadingly
evagination
evaginable
evaginate
evaginated
evaginating
evagination
eval
evaluable
evaluate
evaluated
evaluates
evaluating
evaluation
evaluations
evaluative
evaluator
evaluator's
evaluators
evalue
evanesce
evanesced
evanescence
evanescency
evanescently
vanesces
evanescent
evanescible
evanesce
evanesces
evangel
evangelary
evangelian
evangelaries
evangelarium
evangelical
evangelical
evangelicalism
evangelicality
evangelically
evangelicalness
evangelicals
evangelican
evangelicism
evangelicity
evangelion
evangelisation
evangelise
evangelised
evangeliser
evangelising
evangelism
evangelist
evangelistaries
evangelistarion
evangelistarium
evangelistary
evangelistic
evangelistically
evangelistics
evangelists
evangelistship
evangelium
evangelization
evangelize
evangelized
evangelizer
evangelizes
evangelizing
evangelizing
evagels
evangely
evanid
evanish
evanished
evanishes
evanishing
evanishment
evanion
evans
evansite
evap
evaporability
evaporable
evaporate
evaporated
evaporates
evaporating
evaporation
evaporations
evaporative
evaporatively
evaporativity
evaporator
evaporators
evaporimeter
evaporite
evaporitic
evaporize
evaporometer
evapotranspiration
evase
evasonic
evasonal
evason
evasonic
evasonic
evasonic
evasonic
evasonic
evasonic
evasonic
evasonic
evasonic
evasonic
evasonic
evasonic

evejar
evelight
evelong
even
evenblush
evendown
evene
evened
evener
eveners
evenest
evenfall
evenfalls
evenforth
evanglome
evenglow
evenhand
evenhanded
evenhandedly
evenhandedness
evenhead
evening
evening's
evenings
evenlight
evenlong
evenly
evenmete
evenminded
evenmindedness
evenness
evenesses
evenoo
evens
evensong
evensongs
event
event's
eventail
eventerate
eventful
eventfully
eventfulness
eventide
eventides
eventilate
eventime
eventless
eventlessly
eventlessness
eventognath
eventognathous
eventration
events
eventual
eventualities
eventuality
eventualize
eventually
eventuate
eventuated
eventuates
eventuating
eventuation
eventuations
evenwise
evenworthy
eveque
ever
everbearer
everbearing
everbloomer
everblooming
everduring
everest
everglade
everglades
evergreen
evergreenery
evergreenite
evergreens
everich
everlasting
everlastingly
everlastingness
everliving
everly
evermo
evermore
everness
evernioid
everse
eversible
eversion
eversions
eversive
eversporting
evert
evertebral
evertebrate
everted
evertile
everting
evertor
evertors
everts
everwhich
everwho
ever
everybody
everyday
everydayness
everydeal
everyhow
everylike
everyman
everymen
everyness
everyone
everyone's
everyplace
everything
everyway
everywhen
everywhence
everywhere
everywhereas
everywhereasas
everywhereasness
everywheres
everywhither
everywoman
eves
eese
eestar
eetide
eetide
eewe
eeg
evibrate
evicke
evict
evicted
evictee
evictees
evicting
eviction
evirtuate
eviscerate
eviscerated
eviscerates
eviscerating
evisceration
eviscerations
eviscerator
evisite
evitale
evitate
evitation
evite
evited
evital
evites
eviting
evittate
evicable
evocate
evicated
evocating
evocation
evocations
evocative
evocatively
evocativeness
evocator
evectors
evocatory
evocatrix
evoe
evoke
evoked
evoker
evokers
evokes
evoking
evoluate
evolute
evolute's
evolutes
evolutility
evolution
evolution's
evolutional
evolutionally
evolutionarily
evolutionary
evolutionism
evolutionist
evolutionistic
evolutionistically
evolutionists
evolutionize
evolutions
evolutive
evolutoid
evolvable
evolved
evolvement
evolvements
evolvent
evolver
evolvers
evolves
evolving
evolvulus
evomit
evonymus
evonymuses
evovae
evulgate
evulgation
evluge
evulse
evulsion
evulsions
evviva
evzone
evzones
ew
ewder
ewe
ewe's
ewelease
ewer
ewerer
eweries
ewers
ewery
ewe
ewe
ewest
ewhow
ewing
ewound
ewry
ewte
ex
exacerbate
exacerbated
exacerbates
exacerbating
exacerbatingly
exacerbation
exacerbations
exacerbescence
exacerbescent
exacerbation
exacervation
exacinate
exact
exacta
exactable
exactas
exacted
exacter
exacters
exactest
exacting
exactingly
exactingness
exaction
exaction's
exactions
exactitude
exactive
exactiveness
exactly
exaction
exactness
exactor
exactors
exactress
exactress
exacts
exactus
exacuate
exacum
exadverso
exadversum
exaestuate
exaggerate
exaggerated
exaggeratedly
exaggeratedness
exaggerates
exaggerating
exaggeratingly
exaggeration
exaggerations
exaggerative
exaggeratively
exaggerativeness
exaggerator
exaggerators
exaggeratory
exagitate
exagitation
exairessis
exalate
exalbuminose
exalbuminous
exallotriote
exalt
exaltate
exaltation
exaltations
exaltative
exalte
exalted
exaltedly
exaltedness
exaltee
exalter
exalters
exalting
exaltment
exalts
exam
exam's
examen
examens
exameter
examinability
examinable
examinant
examine
examination
examination's
examinational
examinationism
examinationist
examinations
examinative
examinator
examinatorial
examinatory
examine
examined
examinee
examinees
examiner
examiners
examinership
examines
examining
examiningly
examplar
example
example's
exampled
exampleless
examples
exampleship
exampleless
exampling
exams
exanguin
exanimate
examination
exannulate
exanthalose
exanthem
exanthema
exanthemas
exanthemata
exanthematic
exanthematous
exanthems
exanthine
exantlante
exantlation
exappendiculate
exarate
exaration
exarch
exarchal
exarchate
exarchateship
exarchies
exarchist
exarchs
exarchy
exareolate
exarillate
exaristate
exarteritis
exarticulate
exarticulation
exasper
exasperate
exasperated
exasperatedly
exasperater
exasperates
exasperating
exasperatingly
exasperation
exasperative
exaspidean
exaultorate
exaugurate
exauguration
exaun
exauthorate
exauthorize
exauthorizeexc
excalate
excalation
excalcarate
excalceate
excalceation
excalfaction
excalibur
excamb
excamber
excambion
excandescence
excandescency
excandescent
excantation
excardination
excarnate
excarnation
excarnificate
excathedral
excaudate
excavate
excavated
excavates
excavating
excavation
excavational
excavationist
excavations
excavator
excavatorial
excavators
excavatory
excave
exec cate
exec ection
exec dent
exceed
exceed able
exceeded
exceed er
exceed ers
exceed ing
exceed ingly
exceed ingness
exceeds
excel
excel en te
excel led
excell en ce
excell en ces
excellencies
excellency
excellent
excellently
excelling
excels
excelse
excels in
excels ior
excels i tude
excentral
excen tric
excen trical
excentric ity
ex cep able
except
except ant
except ed
except er
exchangeability
exchangeable
exchangeably
exchanged
exchangee
exchanger
exchanges
exchanging
excheat
exchequer
exchequer's
exchequers
excide
excided
excides
exciding
excipient
exciple
exciples
excipula
excipular
excipule
excipuliform
excipulum
excircle
excisable
excise
excised
exciseman
excisemanship
excisemen
excises
excising
excision
excisions
excisor
excitabilities
excitability
excitable
excitableness
excitably
excitancy
excitant
excitants
excitate
excitation
excitation's
excitations
excitative
excitator
excitatory
excite
excited
excitedly
excitedness
excitement
excitements
exciter
exciters
excites
exciting
excitingly
excitive
excitoglandular
excitometabolic
excitomotion
excitomotor
excitomotory
excitomuscular
exciton
excitonic
excitons
excitonic
excitone
excitonutrient
excitor
exciters
excitory
excitosecretory
excitovascular
excitron
excl
exclaim
exclaimed
exclaimer
exclamers
exclaiming
exclaimingly
exclaims
exclam
exclamation
exclamation's
exclamational
exclamations
exclamative
exclamatively
exclamatorily
exclamatory
exclaustration  exclave  exclaves  exclosure  excludability  excludable  exclude  excluded  excluder  excluders  excludes  excludible  excluding  excludingly  exclusion  exclusionary  exclusioner  exclusionism  exclusionist  exclusions  exclusive  exclusively  exclusiveness  exclusivism  exclusivist  exclusivistic  exclusivity  exclusory  excoc  excoction  excogitable  excogitate  excogitated  excogitates  excogitating  excogitation  excogitative  excogitator  excommenge  excommune  excommunicable  excommunicant  excommunicate  excommunicated  excommunicates  excommunicating  excommunication  excommunications
excommunicative
excommunicator
excommunicators
excommunicatory
excommunion
exconjugant
excoriable
excoriate
excoriated
excoriates
excoriating
excoriation
excoriations
excoriator
excorticate
excorticated
excorticating
excortication
excreation
excrement
excremental
excrementally
excrementary
excrementitial
excrementitious
excrementitiously
excrementitiousness
excrementive
excrementize
excrementous
excrements
excrese
excrrecence
excrrences
excrrencies
excrrecency
excrscent
excrscential
excrscently
excrrence
excrresion
excreta
excretal
excrete
excreted
excreter
excreters
excretes
excreting
excretion
excretionary
excretions
excretitious
excretive
excretolic
excretory
excriminate
excruciable
excruciate
excruciated
excruciating
excruciatingly
excruciatingness
excruciation
excruciator
excubant
excubitoria
excubitorium
excubittoria
exculvable
exculpate
exculpated
exculpates
exculpating
exculpation
exculpations
exculpative
exculpatorily
exculpatory
excur
excurrent
excurse
excrused
excursing
excursion
excursion's
excursional
excursionary
excursioner
excursionism
excursionist
excursionists
executrices
executrix
executrices
executrixship
executy
exede
exedent
exedra
exedrae
exedral
exegeses
exegesis
exgesist
exegete
exegetes
exegetic
exegetical
exegetically
exegetics
exegetist
exembryonate
exempla
exemplar
exemplaric
exemplarishly
exemplariness
exemplarism
exemplarity
exemplars
exemplary
exempli
exemplifiable
exemplification
exemplificational
exemplifications
exemplificative
exemplificator
exemplified
exemplifier
exemplifiers
exemplifies
exemplify
exemplifying
exemplum
exemplupla
exempt
exempted
exemptible
exemptile
exempting
exemption
exemptionist
exemptions
exemptive
exempts
exencephalia
exencephalic
exencephalous
exencephalus
exendospermic
exendospermous
exenterate
exenterated
exenterating
exenteration
exenteritis
exequatur
exequial
exequies
exequy
exerce
exercent
exercisable
exercise
exercised
exerciser
exercisers
exercises
exercising
exercitant
exercitation
exercite
exercitor
exercitorial
exercitorian
exeresis
exergonic
exergual
exergue
exergues
exert
exerted
exerting
exertion
exertion's
exertionless
exhaustion
exhaustive
exhaustively
exhaustiveness
exhaustivity
exhaustless
exhaustlessly
exhaustlessness
exhausts
exhbn
exhedra
exhedrae
exheredate
exheredation
exhibit
exhibitible
exhibitant
exhibited
exhibiter
exhibitors
exhibiting
exhibition
exhibition's
exhibitional
exhibitioner
exhibitionism
exhibitionist
exhibitionistic
exhibitionists
exhibitionize
exhibitions
exhibitive
exhibitively
exhibitor
exhibitor's
exhibitorial
exhibitors
exhibitorship
exhibitory
exhibits
exhilarant
exhilarate
exhilarated
exhilarates
exhilarating
exhilaratingly
exhilaration
exhilarative
exhilarator
exhilaratory
exhort
exhortation
exhortation's
exhortations
exhortative
exhortatively
exhortator
exhortatory
exhorted
exhorter
exhorters
exhorting
exhortingly
exhorts
exhumate
exhumed
exhumating
exhumation
exhumations
exhumator
exhumatory
exhume
exhumed
exhumer
exhumers
exhumes
exhuming
exhusband
exibilate
exies
exigeant
exigeante
exigence
exigences
exigencies
exigency
exigent
exigenter
exigently
exigible
exiguities
exiguity
exiguous
exiguously
exiguousness
exilable
exilarch
exilarchate
exile
exiled
exiledom
exilement
exiler
exiles
exilian
exilic
exiling
exiliation
exility
eximidus
eximious
eximiously
eximiousness
exinanite
exinanition
exindusiate
exine
exines
exing
exinguinal
exinite
exintine
exion
exist
existability
existant
existed
existence
existences
existent
existential
existentialism
existentialist
existentialist's
existentialistic
existentialistically
existentialists
existentialize
existentially
existently
existents
exister
existibility
existible
existimation
existing
existless
existlessness
exists
exit
exitance
exite
exited
exitial
exiting
exition
exitious
exits
exiture
exitus
exla
exlex
exmeridian
exmoor
exoarteritis
exoascaceous
exobiological
exobiologist
exobiologists
exobiology
exocannibalism
exocardia
exocardiac
exocardial
exocarp
exocarps
exocataphoria
exoccipital
exocentric
exochorion
exocinal
exoclinal
exocline
exocoelar
exocoele
exocoelic
exocoelom
exocoelum
exocolitis
exocone
exocrine
exocrine
exocrines
exocrinologies
exocrinology
exocate
exoculated
exoculating
exoculation
exocyclic
exocytosis
exode
exoderm
exodermal
exodermis
exoderms
exodic
exodist
exodium
exodoi
exodontia
exodontic
exodontics
exodontist
exodos
exodromic
exodromy
exodus
exoduses
exody
exoenzyme
exoenzymic
exoergic
exoerythrocytic
exogamic
exogamies
exogamous
exogamy
exogastric
exogastrically
exogastritis
exogen
exogenetic
exogenic
exogenism
exogenous
exogenously
exogens
exogeny
exognathion
exognathite
exograph
exolemma
exolete
exolution
exolve
exometritis
exomion
exomis
exomologesis
exomorphic
exomorphism
exomphalos
exomphalous
exomphalus
exon
exonarthex
exoner
exonerate
exonerated
exonerates
exoneration
exonerations
exonervative
exonerator
exonerators
exoneretur
exoneural
exonship
exonuclease
exonym
exopathic
exopeptidase
exoperidium
exophagous
exophagy
exophasia
exophasic
exophoria
exophoric
exophthalmia
exophthalmic
exophthalmos
exophthalmus
exoplasm
exopod
exopodite
exopoditic
exopt
exopterygote
exopterygetic
exopterygotism
exopterygotous
exor
exorability
exorable
exorableness
exorate
exorbital
exorbitance
exorbitancy
exorbitant
exorbitantly
exorbitate
exorbitation
exorcisation
exorcise
exorcised
exorcisement
exorciser
exorcisers
exorcises
exorcising
exorcism
exorcismal
exorcisms
exorcisory
exorcist
exorcista
exorcistic
exorcistical
exorcists
exorcization
exorcize
exorcized
exorcizement
exorcizer
exorcizes
exorcizing
exordia
exordial
exordial
exordium
exordiums
exordize
exorganic
exorhason
exormia
exornate
exornation
exortion
exosculation
exosepsis
exoskeletal
exoskeleton
exosmic
exosmose
exosmoses
exosmosis
exosmotic
exosperm
exosphere
exospheres
exospheric
exospherical
exosporal
exospore
exospores
exosporium
exosporous
exosssate
exosseous
exostome
exostosed
exostoses
exostosis
exostotic
exostra
exostracism
exostracize
exostrae
exoteric
exoterica
exoterical
exoterically
exotericism
exoterics
exotery
exotheca
exothecal
exothecate
exothecium
exothermal
exothermally
exothermic
exothermically
exothermicity
exothermous
exotic
exotica
exotically
exoticalness
exoticism
exoticist
exoticity
exoticness
exotics
exotism
exotisms
exotospore
exotoxic
exotoxin
exotoxins
exotropia
exotropic
exotropism
exp
expalpate
expand
expandability
expandable
expanded
expandedly
expandedness
expander
expander's
expanders
expandability
expandible
expanding
expandingly
expands
expanse
expanses
expansibility
expansible
expansibleness
expansibly
expansile
expansion
expansional
expansionary
expansionism
expansionist
expansionistic
expansionists
expansions
expansive
expansively
expansiveness
expansivity
expansometer
expansum
expansure
expatiate
expatiated
expatiater
expatiates
expatiating
expatiatingly
expatiation
expatiations
expatiative
expatiator
expatiators
expatiatory
expatriate
expatriated
expatriates
expatriating
expatriation
expatriations
expatriationism
expdt
expect
expectable
expectably
expectance
expectancies
expectancy
expectant
expectantly
expectation
expectation's
expectations
expectative
expected
expectedly
expectedness
expecrer
expecters
expecting
expectingly  
expection  
expective  
expectorant  
expectorants  
expectorate  
expectorated  
expectorates  
expectorating  
expectoration  
expectorations  
expectorative  
expectorator  
expectorators  
expects  
expeede  
expeded  
expediate  
expedience  
expediences  
expediencies  
expediency  
expedient  
expediente  
expediental  
expedientially  
expedientist  
expediently  
expedients  
expediment  
expeding  
expeditate  
expeditated  
expeditating  
expeditation  
expedite  
expedited  
expeditely  
expediteness  
expediter  
expediters  
expedites  
expediting  
expedition  
expedition's  
expeditionary  
expeditionist  
expeditions
expeditious
expeditiously
expeditiousness
expeditive
expeditor
expel
expellable
expellant
expelled
expellee
expellees
expellent
expeller
expellers
expelling
expels
expend
expendability
expendable
expendables
expended
expender
expenders
expendible
expending
expeditor
expeditrix
expenditure
expenditure’s
expenditures
expend
expense
expensed
expenseful
expensefully
expensefulness
expenseless
expenselessness
expenses
expensilation
expensing
expensive
expensively
expensiveness
expenthesis
experefacient
experefaction
experience
explication
explications
explicative
explicatively
explicator
explicators
explicatory
explicit
explicitly
explicitness
explicits
explida
explodable
explode
exploded
explodent
exploder
exploders
explodes
exploding
exploit
exploitable
exploitage
exploitation
exploitation's
exploitationist
exploitations
exploitative
exploitatively
exploitatary
exploited
exploitee
exploiter
exploiters
exploiting
exploitative
exploits
exploiture
explorable
explorate
exploration
exploration's
explorational
explorations
explorative
exploratively
explorativeness
explorator
exporters
exporting
exports
expos
exposable
exosal
exosalts
expose
exposed
exposedness
exposer
exposers
exposes
exposing
exposit
exosited
exositing
exposition
exposition's
expositional
expositionary
expositions
expositive
expositively
expositor
expositorial
expositorially
expositorily
expositoriness
expositors
expository
expositress
exposits
expostulate
expostulated
expostulates
expostulating
expostulatingly
expostulation
expostulations
expostulative
expostulatively
expostulator
expostulatory
exposure
exposure's
exposure
exposures
expound
expoundable
expounded
expounder
expounders
expounding
expounds
expreme
express
expressable
expressage
expressed
expresser
expresses
expressibility
expressible
expressibly
expressing
expressio
expression
expression's
expressionable
expressional
expressionful
expressionism
expressionist
expressionistic
expressionistically
expressionists
expressionless
expressionlessly
expressionlessness
expressions
expressive
expressively
expressiveness
expressivism
expressivity
expressless
expressly
expressman
expressmen
expressness
expresso
expressor
expressure
expressway
expressways
exprimable
exprobat
exprobrate
exprobration
exprobratory
expromission
expromissor
expropriable
expropriate
expropriated
expropriates
expropriating
expropriation
expropriations
expropriator
expropriatory
expt
exptl
expugn
expugnable
expuition
expulsatory
expulse
expulsed
expulser
expulses
expulsing
expulsion
expulsionist
expulsions
expulsive
expulsory
expunction
expunge
expungeable
expunged
expungement
expunger
expungers
expunges
expunging
expurge
expurgate
expurgated
expurgates
expurgating
expurgation
expurgational
expurgations
expurgative
expurgator
expurgatorial
expurgators
expurgatory
expurge
expwy
expy
exquire
exquisite
exquisitely
exquisiteness
exquisitism
exquisitive
exquisitively
exquisitiveness
exr
exradio
exradius
exrupeal
exrx
exsanguinate
exsanguinated
exsanguinating
exsanguination
exsanguine
exsanguineous
exsanguinity
exsanguinous
exscind
exscinded
exscinding
exscinds
exscissor
exscribe
exscript
exscriptural
exsculp
exsculptate
exscutellate
exsec
exsecant
exsecants
exsect
exsected
exsectile
exsecting
externity
externization
externize
externomedian
externs
externship
externum
exterceptor
exterous
exteraneous
exterrestrial
exterritorial
exterritoriality
exterritorialize
exterritorially
extensive
extg
extill
extima
extime
extimulate
extinct
extincted
extincteur
extincting
extinction
extinctionist
extinctions
extinctive
extinctor
extincts
extine
extinguised
extinguish
extinguishable
extinguishant
extinguished
extinguisher
extinguishers
extinguishes
extinguishing
extinguishment
extipulate
extirp
extirpate
extirpated
extirpateo
extirpates
extirpating
extirpation
extirpationist
extirpations
extirpative
extirpator
extirpatory
extispex
extispices
extispicious
extispicy
extogenous
extol
extoled
extoling
extoll
extollation
extolled
extoller
extollers
extolling
extollingly
extollment
extolls
extolment
extols
extoolitic
extortion
extorsive
extorsively
extort
extorted
extorter
extorters
extorting
extortion
extortionary
extortionate
extortionately
extortionateness
extorter
extortioners
extortionist
extortionists
extortions
extortive
extorts
extra
extrabold
extraboldface
extrabranchial
extrabranchial
extrabuccal
extrabulbar
extrabureau
extraburghal
extracalendar
extracalicular
extracanonical
extracapsular
extracardial
extracarpal
extracathedral
extracellular
extracellularly
extracerebral
extrachromosomal
extracivic
extracivically
extraclerical
extraclaustral
extraclaustral
extracloacal
extracollegiate
extracolumella
extracondensed
extraconscious
extraconstellated
extraconstitutional
extracorporeal
extracorporeally
extracorporeal
extracorporeal
extracosmic
extracosmical
extracostal
extracranial
extract
extractability
extractable
extractant
extracted
extractibility
extractible
extractiform
extracting
extraction
extraction's
extractions
extractive
extractively
extractor
extractor's
extractors
extractorship
extracts
extracultural
extracurial
extracurricular
extracurriculum
extracutaneous
extracystic
extradecretal
extradialectal
extradict
extradictable
extradicted
extradicting
extradictionary
extraditable
extradite
extradited
extradites
extraditing
extradition
extraditions
extradomestic
extrados
extradosed
extradoses
extradotal
extraduction
extradural
extraembryonal
extraembryonic
extraenteric
extraepiphyseal
extraequilibrium
extraessential
extraessentially
extrafascicular
extrafine
extrafloral
extrafocal
extrafoliaceous
extraforaneous
extraformal
extragalactic
extragastic
extrahazardous
extrahepatic
extrait
extrajudicial
extrajudicially
extralateral
extralegal
extralegally
extraliminal
extraliminal
extraliteral
extralinguistic
extralinguistically
extralite
extrality
extramarginal
extramarital
extramatrical
extramedullary
extramental
extrameridian
extrameridional
extrametaphysical
extrametrical
extrametropolitan
extramission
extramodal
extramolecular
extramorainal
extramorainic
extramoral
extramoralist
extramundane
extramural
extramurally
extramusical
extranational
extranatural
extranean
extraneity
extraneous
extraneously
extraneousness
extranidal
extranormal
extranuclear
extraocular
extraofficial
extraoral
extraorbital
extraorbitally
extraordinaries
extraordinarily
extraordinariness
extraordinary
extraorganismal
extraovate
extraovular
extraparenchymal
extraparental
extraparietal
extraparliamentary
extraparochial
extraparochially
extrapatriarchal
extrapelvic
extraperineal
extraperiodic
extraperiosteal
extraperitoneal
extraphenomenal
extraphysical
extraphysiological
extrapituitary
extraplacental
extraplanetary
extrapleural
extrapoetical
extrapolar
extrapolate
extrapolated
extrapolates
extrapolating
extrapolation
extrapolations
extrapolative
extrapolator
extrapolatory
extrapopular
extraposition
extraprofessional
extraprostatic
extraprovincial
extrapulmonary
extrapunitive
everapymidal
exraquiz
extrared
extraregarding
extraregular
extraregularly
extrarenal
extraretinal
extrarhythmical
extras
exrasacerdotal
extrascholastic
exraschool
exrayscientific
exrascriptural
exrascripturality
exrasensible
exrasensorial
exrasensory
exrasensuous
exraserous
exrasocial
exrasolar
exrasomatic
exraspectral
exraspherical
exrasispinal
exrastapedial
exrastate
exrasterile
exrastomachal
exrasyllabic
exrasyllogistic
exrasyphilitic
exrasystole
exrasystolic
exratabular
exratarsal
exratellurian
exratelluric
exratemporal
exrateension
exratensive
exraterrene
exraterrrestrial
extraterrestrially
extraterrestrials
extraterritorial
extraterritoriality
extraterritorially
extraterritorials
extratheccal
extratheistic
extrathermodynamic
extrathoracic
extratorrid
extratracheal
extratrible
extratropical
extratubal
extratympanic
extraught
extrauterine
extravagance
extravagances
extravagancies
extravagancy
extravagant
extravagantly
extravagantness
extravaganza
extravaganzas
extravagate
extravagated
extravagating
extravagation
extravagence
extravaginal
extravasate
extravasated
extravasating
extravasation
extravascular
extravehicular
extravenate
extraventricular
extraversion
extraversive
extraversively
extravert
extraverted
extravertish
extravertive
extravertively
extravillar
extraviolet
extravisceral
extrazodiacal
extreat
extrema
extremal
extreme
extremeless
extremely
extremeness
extremer
extremes
extremest
extremis
extremism
extremist
extremist's
extremistic
extremists
extremital
extremities
extremity
extremity's
extremum
extrema
extricable
extricably
extricate
extricated
extricates
extricating
extrication
extrications
extrinsic
extrinsical
extrinsicality
extrinsically
extrinsicality
extrinsicly
extrinsicness
extrinsicate
extrinsication
extroitive
extromit
extropical
extorsal
extorse
extorsely
extrospect
extrospection
extrospective
extroversion
extroversive
extroversively
extrovert
extroverted
extrovertedness
extrovertish
extrovertive
extrovertively
extroverts
extract
extrudability
extrudable
extrude
extruded
extruder
extruders
extrudes
extruding
extrusible
extrusile
extrusion
extrusions
extrusive
extrusory
extubate
extubation
extuberance
extuberant
extuberate
extumescence
extund
exturb
extusion
extypal
exuberance
exuberancy
exuberant
exuberantly
exuberantness
exuberate
exuberated
exuberating
exuberation
exuccous
exucontian
exudate
exudates
exudation
exudations
exudative
exudatory
exude
exuded
exudence
exudes
exuding
exul
exulate
exulcerate
exulcerated
exulcerating
exulceration
exulcerative
exulceratory
exulding
exult
exultance
exultancy
exultant
exultantly
exultation
exulted
exultet
exulting
exultingly
exults
exululate
exumbral
exumbrella
exumbrellar
exundance
exundancy
exundate
exundation
exungulate
exuperable
exurb
exurban
exurbanite
exurbanites
exurbia
exurbias
exurbs
exurge
exuscitate
exust
exuvia
exuviability
exuviable
exuviae
exuvial
exuviate
exuviated
exuviates
exuviating
exuviation
exuvium
exxon
exzodiacal
ey
eyah
eyalet
eyas
eyases
eyass
eydent
ey
eyeable
eyeball
eyeballed
eyeballing
eyeballs
eyebalm
eyebar
eyebath
eyebeam
eyebeams
eyeberry
eyebblack
eyeblink
eyebolt
eyebolts
eyebree
eyebriddled
eyebright
eyebrow
eyebrow's
eyebrows
eyecup
eyecups
eyed
eyedness
eyednesses
eyedot
eyedrop
eyedropper
eyedropperful
eyedroppers
eyeflap
eyeful
eyefuls
eyeglance
eyeglass
eyeglasses
eyeground
eyehole
eyeholes
eyehook
eyehooks
eyeing
eyelash
eyelashes
eyelast
eyeless
eyelessness
eyelet
eyeleted
eyeleteer
eyeleting
eyelets
eyeletted
eyeletter
eyeletting
eyelid
eyelid's
eyelids
eyelight
eyelike
eyeline
eyeliner
eyeliners
eyemark
eyen
eyeopener
eyepiece
eyepiece's
eyepieces
eyepit
eyepoint
eyepoints
eyepopper
eyer
eyereach
eyeroot
eyers
eyes
eyesalve
eyeseed
eyeservant
eyeserver
eyeservice
eyeshade
eyeshades
eyeshield
eyeshine
eyeshot
eyeshots
eyesight
eyesights
eyesome
eyesore
eyesores
eyespot
eyesspots
eyess
eyestalk
eyestalks
eyestone
eyestones
eyestrain
eyestring
eyestrings
eyeteeth
eyetooth
eyewriter
eyewash
eyewashes
eyewater
eyewaters
eyewear
eyewear
eyewink
eyewinker
eyewinks
eyewitness
eyewitness's
eyewitnesses
faced
facedown
faceharden
faceless
facelessness
facelift
facelifts
facellite
facemaker
facemaking
faceman
facemark
faceoff
facepiece
faceplate
facer
facers
faces
facesaving
facet
facete
faceted
facetely
faceteness
facetiae
facetiation
faceting
facetious
facetiously
facetiousness
facets
facette
facetted
facetting
faceup
facewise
facework
facia
facial
facially
facials
facias
faciata
faciation
facie
faciend
faciends
faciendum
facient
facier
facies
faciest
facile
facilely
facileness
facilitate
facilitated
facilitates
facilitating
facilitation
facilitations
facilitative
facilitator
facilities
facility
facility's
facily
facial
facially
facings
facinorous
facinorousness
faciobrachial
faciocervical
faciolingual
facioplegia
facioscapulohumeral
facit
fack
fackeltanz
fackings
fackins
facks
faconde
faconne
facsim
facsimile
facsimile's
facsimiled
facsimileing
facsimiles
facsimiling
facsimilist
facsimilize
fact
fact's
factable
factabling
factfinder
factful
factice
facticide
facticity
faction
faction's
factional
factionalism
factionalist
factionally
factionaries
factionary
factionate
factioneer
factionism
factionist
factionistism
factions
factious
factiously
factiousness
factish
factitial
factitious
factitiously
factitiousness
factitive
factitively
factitude
active
facto
factor
factorability
factorable
factorage
factordom
factored
factoress
factorial
factorially
factorials
factories
factoring
factorist
factorization
fadding
faddish
faddishly
faddishness
faddism
faddisms
faddist
faddists
faddle
faddy
fade
fadeaway
fadeaways
faded
fadedly
fadedness
fadednyess
fadeless
fadelessly
faden
fadeout
fader
faders
fares
fadge
faged
fadges
fadging
fading
fadingly
fadingness
fadings
fadlike
fadme
fadmonger
fadmongering
fadmongery
fado
fados
fadridden
fads
fady
fae
faecal
faecalith
faeces
faecula
faeculence
faena
faenas
faence
faenus
faerie
faeries
faeroese
faery
faeryland
fafronade
faff
faffle
fffy
fafnir
fag
fagaceous
fagald
fagara
fage
fager
fagged
fagger
faggery
fagging
faggingly
faggot
faggoted
faggoting
fagotry
faggots
faggoty
faggy
fagin
fagine
fagins
fagopyrism
fagopyrismus
fagot
fagoted
fagoter
fagoters
fagoting
fagotings
fagots
fagott
fagotte
fagottino
fagottist
fairm
fairness
fairnesses
fairs
fairship
fairsome
fairstead
fairstime
fairwater
fairway
fairways
fairy
fairy's
fairydom
fairyfloss
fairyfolk
fairyhood
fairyish
fairyism
fairyisms
fairyland
fairylands
fairylike
fairyologist
fairyology
fairyship
faisan
faisceau
fait
faitery
faith
faithbreach
faithbreaker
faithed
faithful
faithfully
faithfulness
faithfuls
faithfuls
faithfulness
faithfuls
faithfuls
faithfulness
faiths
faithwise
faithworthiness
faithworthy
faitor
faitour
faitours
faits
fake
faked
fakeer
fakeers
fakement
faker
fakeries
fakers
fakery
fakes
faki
fakiness
faking
fakir
fakirism
fakirs
faky
fala
falafel
falanaka
falangist
falbala
falbalas
falbelo
falcale
falcate
falcated
falcation
falcer
falces
falchion
falchions
falcial
falcidian
falciform
falciparum
falcon
falconbill
falconelle
falcoener
falconers
falconet
falconets
falconiform
falconine
falconlike
fallers
fallfish
fallfishes
fallibilism
fallibilist
fallibility
fallible
fallibleness
fallibly
falling
fallings
falloff
falloffs
fallopian
fallostomy
fallotomy
fallout
fallouts
fallow
fallowed
fallowing
fallowist
fallowness
fallows
falls
falltime
fallway
fally
falsary
false
falsead
falseface
falsehearted
falseheartedly
falseheartedness
falsehood
falsehood's
falsehoods
falsely
falsen
falseness
falsér
falsest
falsettist
falsetto
falsettos
falsework
falsidical
falsie
falsies
falsifiability
falsifiable
falsificate
falsification
falsifications
falsificator
falsified
falsifier
falsifiers
falsifies
falsify
falsifying
falsism
falsiteit
falsities
falsity
falstaffian
falsum
faltboat
faltboats
faltche
falter
faltere
falterered
falterer
falterers
faltering
falteringly
falters
falun
falus
falutin
falx
fam
famacide
famatinite
famble
fame
famed
fameflower
fameful
fameless
famelessly
famelessness
famelic
fames
famous
famously
famousness
famp
famular
famulary
famulative
famuli
famulli
famulus
fan
fan's
fana
fanakalo
fanal
fanaloka
fanam
fanatic
fanatic's
fanatical
fanatically
fanaticalness
fanaticise
fanaticised
fanaticising
fanaticism
fanaticize
fanaticized
fanaticizing
fanatico
fanatics
fanatism
fanback
fanbearer
fanciable
fancical
fancied
fancier
fancier's
fanciers
fancies
fanciest
fanciful
fancifully
fancifulness
fancify
fanciless
fancily
fanciness
fancy
fancying
fancymonger
fancysick
fancywork
fand
fandangle
fandango
fandangos
fandom
fandoms
fane
fanega
fanegada
fanegadas
fanegas
fanes
fanfarade
fanfare
fanfares
fanfaron
fanfaronade
fanfaronading
fanfarons
fanfish
fanfishes
fanflower
fanfold
fanfolds
fanfoot
fang
fang's
fanga
fangas
fanged
fanger
fanging
fangle
fangled
fanglement
fangless
fanglet
fanglike
fangglomerate
fango
fangot
fangotherapy
fangs
fangy
fanhouse
faniente
fanion
fanioned
fanions
fanit
fanjet
fanjets
fankle
fanleaf
fanlight
fanlights
fanlike
fanmaker
fanmaking
fanman
fanned
fannel
fanneling
fannell
fanner
fanners
fannier
fannies
fanning
fannings
fannon
fanny
fano
fanon
fanons
fans
fanout
fans
fant
fantad
fantaddish
fantail
fantailed
fantails
fantaisie
fantaseid
fantasia
fantasias
fantasie
fantasied
fantasies
fantast
fantasists
fantasize
fantasized
fantasizes
fantasizing
fantasm
fantasmagoria
fantasmagoric
fantasmagorically
fantasmal
fantasms
fantasque
fantassin
fantast
fantastic
fantastical
fantasticality
fantastically
fantasticalness
fantasticate
fantastication
fantasticism
fantasticly
fantasticness
fantastico
fantasy
fantasies
fantasy's
fantasying
fanteague
fantee
fanteeg
fanterie
fantigue
fantoccini
fantocine
fantod
fantoddish
fantods
fantom
fantomms
fanum
fanums
fanweed
fanwise
fanwork
fanwort
fanworts
fanwright
fanzine
fanzines
faon
fapesmo
faq
faqir
faqirs
faquir
faquirs
far
farad
faradaic
faraday
faradays
faradic
faradisation
faradise
faradised
faradiser
faradises
faradising
faradism
faradisms
faradization
faradize
faradized
faradizer
faradizes
faradizing
faradimeter
faradocontractility
faradomuscular
faradonervous
faradopalpation
farads
farand
farandine
farandman
farandmen
farandola
farandole
farandoles
faraon
farasula
faraway
farawayness
farce
farce's
farced
farcelike
farcemeat
farcer
farcers
farces
farcetta
farceur
farceurs
farceuse
farceuses
farci
facial
facialize
farcical
farcicality
farcically
farcicalness
farcie
farcied
farcies
farcify
facilite
farcin
farcing
farcinoma
farclist
factate
farcy
fard
fardage
farde
farded
fardel
fardelet
fardels
fardh
farding
fardo
fards
fare
fared
farenheit
farer
farers
fares
faretta
farewell
farewelled
farewelling
farewells
farfal
farfara
farfel
farfels
farfet
farfetch
farfetched
farfetchedness
farforthly
fargite
fargoing
fargood
farhand
farhands
farina
farinaceous
farinaceously
farinacious
farinas
farine
faring
farinha
farinhas
farinometer
farinose
farinosel
farinosely
farinulent
fario
farish
farkleberries
farkleberry
farl
farle
farles
farleu
farley
farls
farm
farmable
farnage
farmed
farmer
farmeress
farmerette
farmeries
farmerish
farmerlike
farmerly
farmers
farmership
farmery
farmhand
farmhands
farmhold
farmhouse
farmhouse's
farmhouses
farmhousey
farming
farmings
farmland
farmlands
famost
farmout
farmplace
fams
farmscape
farmstead
farmsteading
farmsteads
farmtown
famwife
famy
farmyard
farmyard's
farmyards
farmyardly
famesol
famesols
farness
farnesses
far
faroeish
faroelite
faroese
faroff
farolito
faros
farouche
farrage
farraginous
farrago
farragoes
farragos
farrand
farrandy
farrant
farrantly
farreachingly
farreate
farreation
farrel
farrier
farrieries
farrierlike
farriers
farriery
farris
farrisite
farrow
farrowed
farrowing
fallows
farruca
farsakh
farsalah
farsang
farse
farseeing
farseeingness
farseer
farset
farsight
farsighted
farsightedly
farsightedness
farstepped
fart
farted
farth
farther
fartherance
fartherer
farthermore
farthermost
farthest
farthing
farthingale
farthingales
farthingdeal
farthingless
farthings
farting
fartlek
farts
farweltered
fas
fasc
fascés
fascet
fascia
fasciae
fascial
fascias
fasciate
fasciated
fasciately
fasciation
fascicle
fascicled
fascicles
fascicular
fascicularly
fasciculate
fasciculated
fasciculately
fasciculation
fascicule
fasciculi
fasciculite
fasciculus
fascili
fascinate
fascinated
fascinatedly
fascinates
fascinating
fascinatingly
fascination
fascinations
fascinative
fascinator
fascinatress
fascine
fascinology
fascinostics
fascinously
fascinosis
fascinosis
fascinoso
fascino
fascinoshis
fascinosty
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinosis
fascinosy
fascinos
fashionmonging
fashions
fashious
fashiousness
fasibitikite
fasinite
fasnacht
fasola
fass
fassaitte
fassalite
fast
fastback
fastbacks
fastball
fastballs
fasted
fasten
fastened
fastener
fasteners
fastening
fastenings
fastens
faster
fastest
fastgoing
fasthold
fasti
fastidiousness
fastidiousness
fastidium
fastigate
fastigated
fastigia
fastigiate
fastigiated
fastigiately
fastigious
fastigium
fastigiums
fastiia
fasting
fastingly
fastings
fastish
fastland
fastly
fastnacht
fastness
fastnesses
fasts
fastuous
fastuously
fastuousness
fastus
fastwalk
fat
fatal
fatale
fatales
fatalism
fatalisms
fatalist
fatalistic
fatalistically
fatalists
fatalities
fatality
fatality's
fatalize
fatally
fatefulness
fats
fatback
fatbacks
fatbird
fatbirds
fatbrained
fatcake
fate
fated
fateful
fatefully
fatefulness
fatelike
fates
fath
fathead
fatheaded
fatheadedly
fatheadedness
fatheads
fathearted
father
father's
fathercraft
fathered
fatherhood
fathering
fatherkin
fatherland
fatherlandish
fatherlands
fatherless
fatherlessness
fatherlike
fatherliness
fatherling
fatherly
fathers
fathership
fathmur
fathogram
fathom
fathomable
fathomableness
fathomage
fathomed
fathomer
fathometer
fathoming
fathomless
fathomlessly
fathomlessness
fathoms
faticableness
fatidic
fatidical
fatidically
fatiferous
fatigability
fatigable
fatigableness
fatigate
fatigated
fatigating
fatigation
fatiguabilities
fatiguability
fatiguable
fatigue
fatigued
fatigueless
fatigues
fatiguesome
fatiguing
fatiguingly
fatiha
fatiha
fatihah
fati
fatiloquent
fating
fatisence
fatiscent
fatless
fatlike
fatling
fatlings
fatly
fatness
fatnesses
fator
fats
fatshedera
fatsia
fatso
fatsoes
fatsos
fatstock
fatstocks
fattable
fatted
fatten
fattenable
fattened
fattener
fatteners
fattening
fattens
fatter
fattest
fattier
fattiest
fattily
fattiness
fattening
fattish
fattishness
fattrels
fatty
fatuate
fatuism
fatuities
fatuitous
fatuitousness
fatuity
fatuoid
fatuous
fatuously
fatuousness
fatuus
fatwa
fatwood
faubourg
faubourgs
faucal
faucalize
faucals
fauces
faucet
faucets
fauchard
fauchards
faucial
faucitis
fauconnier
faucre
faufel
faugh
faujasite
faujdar
fauld
faulds
faulkner
fault
faultage
faulted
faulter
faultfind
faultfinder
faultfinders
faultfinding
faultful
faultfully
faultier
faultiest
faultily
faultiness
faulting
faultless
faultlessly
faultlessness
faults
faultsman
faulty
faulx
faun
fauna
faunae
faunal
faunally
faunas
faunated
faunch
faunish
faunist
faunistic
faunistical
faunistically
faunlike
faunological
faunology
fauns
fauntleroy
faunula
faunule
faunus
faurd
faured
fausant
fause
fausen
faussebraie
faussebraye
faussebrayed
faust
fauster
faustian
faut
faute
fauterer
fauteuil
fauteuils
fautor
fautorship
fauve
fauves
fauvette
fauvism
fauvisms
fauvist
fauvists
faux
fauxbourdon
favaginous
favel
favela
favelas
favelidium
favella
favellae
favellidia
favellidium
favelllidia
favelloid
faveolate
faveoli
faveoluli
faveolus
faverel
faverole
favi
faviform
favilla
favillae
favillous
favism
favissa
favissae
favn
favonian
favor
favorability
favorable
favorableness
favorably
favored
favoredly
favoredness
favorer
favorers
favoress
faxed
faxes
faxing
fay
fayalite
fayalites
fayed
fayence
faying
fayles
fays
faze
fazed
fazenda
fazendas
fazendeiro
fazes
fazing
fb
fbi
fc
fchar
fcomp
fconv
fconvert
fcp
fcs
fcy
fdname
fdnames
fdtype
fdub
fdubs
fe
feaberry
feague
feak
feaked
feaking
feal
fealties
fealty
fear
fearable
fearbabe
feared
fearedly
fearedness
feather
featherback
featherbed
featherbedded
featherbedding
featherbird
featherbone
featherbrain
featherbrained
feathercut
featherdom
feathered
featheredge
featheredged
featheredges
featherer
featherers
featherfew
featherfoil
featherhead
featherheaded
featherier
featheriest
featheriness
feathering
featherleaf
featherless
featherlessness
featherlet
featherlight
featherlike
featherman
feathermonger
featherpate
featherpated
feathers
featherstitch
featherstitching
feathertop
featherway
featherweed
featherweight
featherweights
featherwing
featherwise
featherwood
featherwork
featherworker
feathery
featish
featishly
featishness
featless
featlier
featliest
featliness
featy
feats
featural
featurally
feature
featured
featureful
featureless
featurelessness
featureliness
featurely
features
featurette
featuring
featurish
feazy
feazed
feazes
feazing
feazings
febres
febricant
febricide
febricitant
febricitation
febricity
febricula
febrifacient
febriferous
febrific
febrifugal
febrifuge
febrifuges
febrile
febrility
febrifobia
febris
febronian
febraries
february
February's
februation
fec
fecal
fecalith
fecaloid
fecche
feceris
feces
feccial
fecials
fecifork
fecit
feck
fecket
feckful
feckfully
feckless
fecklessly
feckly
fecks
feckulence
fecula
feculae
feculence
feculency
feculent
fecund
fecundate
fecundated
fecundates
fecundating
fecundation
fecundations
fecundative
fecundator
fecundatory
fecundify
fecundities
fecundity
fecundize
fed
fedarie
fedayee
feeb
feeble
feeblebrained
feeblehearted
feebleheartedly
feebleheartedness
feebleminded
feeblemindedly
feeblemindedness
feebleness
feebler
feeblest
feebling
feeblish
feebly
feed
feedable
feedback
feedbacks
feedbag
feedbags
feedbin
feedboard
feedbox
feedboxes
feeded
feeder
feeders
feedhead
feeding
feedings
feedingstuff
feedlot
feedlots
feedman
feeds
feedsman
feedstock
feedstuff
feedstuffs
feedwater
feedway
feedy
feeing
feel
feelable
feeler
feelers
feeless
feelies
feeling
feelingful
feelingless
feelinglessly
feelingly
feelingness
feelings
feels
feely
feer
feere
feerie
feering
fees
feest
feet
feetage
feetfirst
feetless
feeze
feezed
feezes
feezing
feff
fenicute
fegary
fegs
feh
fei
feif
feigher
feign
feigned
feignedly
feignedness
feigner
feigners
feigning
feigningly
feigns
feijoa
feil
feinschmecker
feinschmeckers
feint
feinted
feinter
feinting
feints
feirie
feis
feiseanna
feist
feistier
feistiest
feists
feisty
felafel
felaheen
felahin
felanders
felapton
feldsher
feldspar
feldsparphyre
feldspars
feldspath
feldspathic
feldspathization
feldspathoid
feldspathoidal
feldspathose
fele
felicide
felicific
felicify
felicitate
felicitated
felicitates
felicitating
felicitation
felicitations
felicitator
felicitators
felicities
felicitous
felicitously
felicitousness
felicity
felid
felids
feliform
feline
felinely
felineness
felines
felinities
felinity
felinophile
felinophobe
felis
felix
fell
fella
fellable
fellage
fellagha
fellah
fellaheen
fellahin
fellahs
fells
fellas
fellata
fellate
fellated
fellatee
fellating
fellatio
fellation
fellations
fellatos
fellator
fellatory
fellatrice
fellatrices
fellatrix
fellatrixes
felled
fellen
feller
fellers
fellist
fellfare
fellic
felliducous
fellies
fellifluous
felling
fellingbird
fellinic
fellmonger
femalize
femceeemee
femereil
femerell
femes
femic
femicide
feminacies
feminacy
feminal
feminality
feminate
feminity
feminic
feminil
feminility
feminine
femininely
feminineness
feminines
femininism
femininity
feminisation
feminise
feminised
feminises
feminising
feminism
feminisms
feminist
feministic
feministics
feminists
feminities
feminity
feminization
feminize
feminized
feminizes
feminizing
feminologist
feminology
feminophobe
femme
femmes
femora
femoral
fendillate
fendillation
fending
fends
fendy
fenerate
feneration
fenestella
fenestellae
fenestellid
fenester
fenestra
fenestrae
fenestral
fenestrate
fenestrated
fenestration
fenestrato
fenestrone
fenestrule
fenetre
fengite
fenian
fenite
fenks
fenland
fenlander
fenman
fenmen
fennec
fennecs
fennel
fennelflower
fennels
fenner
fennici
fennig
fennish
fenny
fenouillet
fenouillette
fens
fensive
fenster
fent
fentanyl
fenter
fenugreek
feod
feodal
feodality
feodaries
feodary
feodatory
feods
feodum
feoff
feoffed
feoffee
feoffees
feoffeeship
feoffer
feoffers
feoffing
feoffment
feoffor
feoffors
feoffs
feower
fer
feracious
feracities
feracity
feral
feralin
ferally
ferash
ferbam
ferbams
ferberite
ferd
ferdwit
fere
fere
feres
feretories
feretory
feretra
feretrum
ferfathmur
ferfel
ferfel
ferforth
ferfpol
ferfusite
fergusite
fergusonite
feria
fermenter
fermentescible
fermenting
fermentitious
fermentive
fermentology
fermentor
ferments
fermentum
fermerer
fermery
fermi
fermila
fermillet
fermion
fermions
fermis
fermium
fermiums
fermorite
fern
fern's
fernambuck
fermandinite
fernbird
fembrake
fermed
ferneries
fernery
ferngale
ferngrower
fernier
ferniest
feminist
fernland
fernleaf
fernless
femlike
fems
fermseed
fermshaw
fernsick
ferntickle
fermtickled
fernticle
fernwort
fern
ferny
fernyear
feroce
ferocious
ferociously
ferociousness
ferocities
ferocity
feroher
ferous
ferox
ferr
dorado
ferrament
ferrandin
ferrara
ferrary
ferrash
ferrate
ferrated
ferrateen
ferrates
ferratin
ferrean
ferredoxin
ferreiro
ferrel
ferreled
ferreling
ferrelled
ferrelling
ferrels
ferren
ferreous
ferrer
ferret
ferreted
ferreter
ferreters
ferreting
ferrets
ferretto
ferrety
ferri
ferriage
ferriages
ferric
ferrichloride
ferricyanate
ferricyanhydric
ferricyanic
ferricyanide
ferricyanogen
ferried
ferrier
ferries
ferriferous
ferrihemoglobin
ferrihydrocyanic
ferrimagnet
ferrimagnetic
ferrimagnetically
ferrimagnetism
ferring
ferripruisiate
ferripruassic
ferris
ferrite
ferrites
ferritic
ferritin
ferritins
ferritization
ferritungstite
ferrivorous
ferroalloy
ferroaluminum
ferroboron
ferrocalcite
ferrocene
ferrocerium
ferrochrome
ferrochromium
ferroconcrete
ferroconcretor
ferrocyanate
ferrocyanyldric
ferrocyanic
ferrocyanide
ferrocyanogen
ferroelectric
ferroelectrically
ferroelectricity
ferroglass
ferrogoslarite
ferrohydrocyanic
ferroinclave
ferromagnesian
ferromagnet
ferromagnetic
ferromagneticism
ferromagnetism
ferromanganese
ferrometer
ferromolybdenum
ferronatrite
ferronickel
ferrophosphorus
ferroprint
ferroprussiate
ferroprussic
ferrosilicon
ferrotitanium
ferrotungsten
ferrotype
ferrotyped
ferrotyper
ferrotypes
ferrotyping
ferrous
ferrovanadium
ferrozirconium
ferruginate
ferruginated
ferruginating
ferrugination
ferruginean
ferrugineous
ferruginous
ferrugo
ferrule
ferruled
ferruler
ferrules
ferruling
ferrum
ferruminate
ferruminated
ferruminating
ferrumination
ferrums
ferry
ferryage
ferryboat
ferryboats
ferryhouse
fervanite
fervence
fervencies
fervency
fervent
fervently
ferventness
fervescence
fervescnt
fervid
fervidity
fervidly
fervidness
fervor
fervor's
fervorless
fervorlessness
fervorous
fervors
fervour
fervours
fesapo
fescennine
fescenninity
fescue
fescues
fesels
fess
fesse
fessed
fessely
fesses
fessewise
fessing
fessways
fesswise
fest
festa
festae
festal
festally
festallae
fester
festered
festerling
festerment
festers
festilogies
festology
festin
festinance
festinate
festinated
festinately
festinating
festination
festine
festing
festino
festival
festival's
festivalgoer
festively
festivals
fetive
fetively
festiveness
festivities
festivity
festivous
festology
festo
festoon
festooned
festooneries
festoonery
festooning
festoons
festoony
festschrift
festschriften
festschriften
festshrifts
festshrfists
festuca
festucine
festucous
festy
fet
feta
fetal
fetalism
fetalization
fetas
fetation
fetations
fetch
fetishize
fetishlike
fetishmonger
fetishry
fetlock
fetlocked
fetlocks
fetlow
fetography
fetologies
fetologist
fetology
fetometry
fetoplacental
fetor
fetors
fets
fetted
fetter
fetterbush
fettered
fetterer
fetterers
fettering
fetterless
fetterlock
fetters
fetticus
fetting
fettle
fettled
fettler
fettles
fettling
fettlings
fettstein
fettuccine
fettucine
fettucini
feture
fetus
fetuses
fetwa
feu
feuage
feuar
feuars
feucht
feud
feud's
feudal
feudalisation
feudalise
feudalised
feudalising
feudalism
feudalist
feudalistic
feudalists
feudalities
feudality
feudalizable
feudalization
feudalize
feudalized
feudalizing
feudally
feudaries
feudary
feudatary
feudatorial
feudatories
feudatory
feuded
feudee
feuder
feuding
feudist
feudists
feudovassalism
feuds
feudum
feued
feuillage
feuille
feuillemere
feuillet
feuilleton
feuilletonism
feuilletonist
feuilletonistic
feuilletons
feuing
feulamort
feus
feute
feuter
feuterer
fever
feverberries
feverberry
feverbush
fevercup
fevered
feveret
feverfew
feverfews
fevergum
fevering
feverish
feverishly
feverishness
feverless
feverlike
feverous
feverously
feverroot
fevers
fevertrap
fevertwig
fevertwitch
feverweed
feverwort
fevery
few
fewer
fewest
fewmand
fewmets
fewnes
fewneses
fewness
fewnesses
fewsome
fewter
fewterer
fewtrils
fey
feyer
feyest
feyness
feynesses
fez
fezes
fezzed
fezzes
fezzy
ff
ffa
fg
fgn
fgrid
fhrer
fi
fiacre
fiacres
fiador
fiancailles
fiance
fianced
fiancée
fiancées
fiances
fianchetti
fianchetto
fiancing
fiant
fiants
fiar
fiard
fiaroblast
fiars
fiaschi
fiasco
fiascoès
fiascos
fiat
fiatconfirmatio
fiats
fiaunt
fib
fibbed
fibber
fibbers
fibbery
fibbing
fibdom
fiber
fiber’s
fiberboard
fibered
fiberfill
fiberglass
fiberization
fiberize
fiberized
fiberizer
fiberizes
fiberizing
fiberless
fiberous
fibers
fiberscope
fiberware
fibra
fibration
fibratus
fibre
fibreboard
fibred
fibrefill
fibreglass
fibreless
fibres
fibreware
fibriform
fibril
fibrilated
fibration
fibrilations
fibrilla
fibrillae
fibrillar
fibrillary
fibrillate
fibrillated
fibrillating
fibrillation
fibrillations
fibrilled
fibrilliferous
fibrilliform
fibrillose
fibrillous
fibrils
fibrin
fibrinate
fibrination
fibrine
fibrinemia
fibrinoalbuminous
fibrinocellular
fibrinogen
fibrinogenetic
fibrinogenic
fibrinogenically
fibrinogenous
fibrinoid
fibrinokinase
fibrinolyses
fibrinolysin
fibrinolysis
fibrinolytic
fibrinoplastic
fibrinoplastin
fibrinopurulent
fibrinose
fibrinosis
fibrinous
fibrins
fibrinuria
fibro
fibroadenia
fibroadenoma
fibroadipose
fibroangioma
fibroareolar
fibroblast
fibroblastic
fibrobronchitis
fibrocalcareous
fibrocarcinoma
fibrocartilage
fibrocartilaginous
fibrocaseose
fibrocaceous
fibrocellular
fibrocement
fibrochondritis
fibrochondroma
fibrochondrosteal
fibrocrystalline
fibrocyst
fibrocystic
fibrocystoma
fibrocyte
fibrocytic
fibroelastic
fibroenchondroma
fibrofatty
fibroferrite
fibrogliia
fibroglioma
fibrohemorrhagic
fibroid
fibroids
fibroin
fibroins
fibrointestinal
fibroligamentous
fibrolipoma
fibrolipomatous
fibrolite
fibrolitic
fibroma
fibromas
fibromata
fibromatoid
fibromatosis
fibromatous
fibromembrane
fibromembranous
fibromucous
fibromuscular
fibromyectomy
fibromyitis
fibromyoma
fibromyomatous
fibromyomectomy
fibromyositis
fibromyotomy
fibromyxoma
fibromyxosarcoma
fibroneuroma
fibronuclear
fibronucleated
fibropapilloma
fibropericarditis
fibroplasia
fibroplastic
fibropolypus
fibropsammoma
fibropurulent
fibroreticulate
fibrosarcoma
fibrose
fibroserous
fibroses
fibrosis
fibrosities
fibrositis
fibrosity
fibrotic
fibrotuberculosis
fibrous
fibrously
fibrousness
fibrovasal
fibrovascular
fibry
fibs
fibster
fibula
fibulae
fibular
fibulare
fibularia
fibulas
fibulocalcaneal
fica
ficaries
ficary
ficche
fice
ficelle
fices
fichat
fiche
fiches
fichtelite
fichu
fichus
ficiform
ficin
ficins
fickle
ficklehearted
fickleness
fickler
ficklest
ficklety
ficklewise
fickly
fico
fiddled
fiddling
fiddle
fiddleback
fiddlebow
fiddlebrained
fiddlecome
fiddled
fiddlededee
fiddlededereee
fiddlededee
fiddlededee
fiddlefaced
fiddlehead
fiddleheaded
fiddleneck
fiddler
fiddlerfish
fiddlerfishes
fiddlers
fiddlery
fiddles
fiddlestick
fiddlesticks
fiddlestring
fiddlewood
fiddley
fiddleys
fiddlies
fiddling
fiddly
fide
fideicommiss
fideicommissa
fideicommissaries
fideicommissary
fideicommission
fideicommissioner
fideicommissor
fideicommissum
fideocommissumissa
fideism
fideisms
fideist
fideistic
fideists
fidejussion
fidejussionary
fidejussor
fidejussory
fiefs
fiel
field
fieldball
fieldbird
fielded
fielden
fielder
fielders
fieldfare
fieldfight
feldie
fielding
fieldish
fieldleft
fieldman
fieldmen
fieldmice
fieldmouse
fieldpiece
fieldpieces
fields
fieldsman
fieldsmen
fieldstone
fieldstrip
fieldward
fieldwards
fieldwork
fieldworker
fieldwort
fieldy
fiend
fiendful
fiendfully
fiendhead
fiendish
fiendishly
fiendishness
fiendism
fiendlie
fiendliest
fiendlike
fiendliness
fiendly
fiends
fiendship
fient
fig
fig's
figaro
figary
figbird
figboy
figeater
figeaters
figent
figeter
figged
figgery
figgier
figgiest
figging
figgle
figgum
figgy
fight
figtable
fighter
fighteress
fighters
fighting
fightingly
fightings
fights
fightwite
figless
figlike
figment
figmental
figments
figo
figpecker
figs
figshell
figulate
figulated
figuline
figulines
figura
figurability
figurable
figurae
figural
figurally
figurant
filibranchiate
filibuster
filibustered
filibusterer
filibusterers
filibustering
filibusterism
filibusterous
filibusters
filibustrous
fical
ficaline
ficalic
ficalidal
ficalide
ficalides
ficaliform
ficalin
ficalinean
ficalinian
ficalite
ficaloid
ficaloids
ficalologist
ficalogy
filiety
filiarous
fillform
filliformed
filligerous
filligrain
filligrained
filligrane
filligraned
filligree
filligreed
filligreeing
filligrees
filligreing
fillii
filling
filings
filonymic
filiopietistic
filioque
filipendula
filipendulous
filipino
filipinos
filippi
filippic
filippo
filipuncture
filister
filisters
filite
filius
fill
filla
fillable
fillagree
fillagreed
fillagreing
file
filebeg
filled
fillemot
filler
fillercap
fillers
files
fillet
filleted
fileter
fileting
filetlike
fillets
filetster
fileul
fillies
filling
fillingly
fillingness
fillings
fillip
filliped
fillipeen
filliping
fillips
fillister
fillmass
fillmore
fillock
filowite
fills
filly
film
filmable
filmcard
filmcards
filmdom
filmdoms
filmed
filmer
filmet
filmgoer
filmgoers
filmgoing
filmic
filmically
filmier
filmiest
filmiform
filmily
filminess
filming
filmish
filmist
filmize
filmized
filmizing
filmland
filmlands
filmlike
filmmake
filmmaker
filmmaking
filmogen
filmographies
filmography
films
filmset
filmsets
filmsetter
filmsetting
filmslide
filmstrip
filmstrips
filmy
filo
filoplumaceous
filoplume
filopodia
filopodium
fingernails
fingerparted
fingerpost
fingerprint
fingerprinted
fingerprinting
fingerprints
fingerroot
fingers
fingersmith
fingerspin
fingerstall
fingerstone
fingertip
fingertips
fingerwise
fingerwork
fingery
fingian
fingram
fingrigo
fini
finial
finialed
finials
finical
finicality
finically
finicalness
fincism
finick
finickier
finickiest
finickily
finickin
finickiness
finicking
finickingly
finickingness
finicky
finific
finify
finikin
finiking
fining
finings
finis
finises
finish
finishable
finished
finisher
finishers
finishes
finishing
finitary
finite
finitely
finiteness
finites
finitesimal
finitism
finitive
finitude
finitudes
finity
finjan
fink
finked
finkel
finking
finks
finland
finlandization
finless
finlet
finlike
finmark
finmarks
finn
finmac
finnack
finnan
finned
finner
finnesko
finnic
finnick
finnickier
finnickiest
finnicking
finnicky
finnier
finniest
finning
finnip
firebolt
firebolted
firebomb
firebombed
firebombing
firebombs
fireboot
firebote
firebox
fireboxes
fireboy
firebrand
firebrands
firebrat
firebrats
firebreak
firebreaks
firebrick
firebricks
firebug
firebugs
fireburn
fireclay
fireclays
firecoat
firecracker
firecrackers
firecrest
fired
firedamp
firedamps
firedog
firedogs
firedragon
firedrake
firefall
firefang
firefanged
firefanging
firefangs
firefight
firefighter
firefighters
firefighting
fireflaught
fireflies
fireflirt
fireflower
firefly
firefly's
fireguard
firehall
firehalls
firehouse
firehouses
fireless
firelight
firelike
fireling
firelit
firelock
firelocks
fireman
firemanship
firemaster
firemen
firepan
firepans
firepink
firepinks
fireplace
fireplace's
fireplaces
fireplough
fireplow
fireplug
fireplugs
firepot
firepower
fireproof
fireproofed
fireproofing
fireproofness
firer
fireroom
firerooms
firers
fires
firesafe
firesafeness
firesafety
fireshaft
fireshine
fireside
firesider
firesides
firesideship
firespout
firestone
firestop
firestopping
firestorm
firetail
firethorn
firetop
firetower
firetrap
firetraps
firewall
fireward
firewarden
firewater
fireweed
fireweeds
firewood
firewoods
firework
fireworkless
fireworks
fireworky
fireworm
fireworms
firiness
firing
firings
firk
firked
firker
firkin
firkings
firkings
firlot
firm
firma
firmament
firmamental
firmaments
firman
firmance
firmans
firmarii
firmarius
firmation
firmed
fiscals
fischerite
fiscs
fiscus
fise
fisetin
fish
fishability
fishable
fishback
fishbed
fishberries
fishberry
fishboat
fishboats
fishbolt
fishbolts
fishbone
fishbones
fishbowl
fishbowls
fisheater
fished
fisher
fisherboat
fisherboy
fisheress
fisherfolk
fishergirl
fisheries
fisherman
fishermen
fisherpeople
fishers
fisherwoman
fishery
fishes
fishet
fisheye
fisheyeyes
fishfall
fishfinger
fishful
fishgarth
fishgig
fishgigs
fishgrass
fishhold
fishhood
fishhook
fishhooks
fishhouse
fishier
fishiest
fishified
fishify
fishifying
fishily
fishiness
fishing
fishingly
fisings
fishless
fishlet
fishlike
fishline
fishlines
fishing
fishman
fishmeal
fishmeals
fishmen
fishmonger
fishmouth
fishnet
fishnets
fishplate
fishpole
fishpoles
fishpond
fishponds
fishpool
fishpot
fishpotter
fishpound
fishskin
fishspear
fishtail
fishtailed
fishtailing
fishtails
fishway
fishways
fishweed
fishweir
fishwife
fishwives
fishwoman
fishwood
fishworker
fishworks
fishworm
fishy
fishyard
fishyback
fishybacking
fisk
fisnoga
fissate
fissicostate
fissidactyl
fissidentaceous
fissile
fissileness
fissilingual
fissility
fission
fissionability
fissionable
fissional
fissioned
fissioning
fissions
fissipalmate
fissipalmation
fissiparation
fissiparism
fissiparity
fissiparous
fissiparously
fissiparousness
fissiped
fissipedal
fissipedeate
fissipedial
fissipeds
fissirostral
fissirostrate
fissive
fissle
fissura
fissural
fissuration
fissure
fittyfied
fittyways
fittywise
fitweed
fitz
fiumara
five
fivebar
fivefold
fivefoldness
fiveing
fivepence
fivepenny
fivepins
fiver
fivers
fives
fivescore
fivesome
fivestones
fivish
fix
fixable
fixage
fixate
fixated
fixates
fixatif
fixatifs
fixating
fixation
fixations
fixative
fixatives
fixator
fixature
fixe
fixed
fixedly
fixedness
fixer
fixers
fixes
fixgig
fixidity
fixin's
fixing
fixings
flagellates
flagellating
flagellation
flagellations
flagellative
flagellator
flagellators
flagellatory
flagelliferous
flagelliform
flagellist
flagellosis
flagellula
flagellulae
flagellum
flagellums
flagelums
flagellaments
flagellate
flaggelated
flaggelating
flaggelation
flaggella
flagger
flaggers
flaggency
flagger
flaggiest
flaggily
flagginess
flagging
flaggingly
flaggings
flaggish
flaggy
flagilate
flagitate
flagitation
flagitious
flagitiously
flagitiousness
flagleaf
flagless
flaglet
flaglike
flagmaker
flagmaking
flagman
flagmen
flagon
flagonet
flagonless
flagons
flagpole
flagpoles
flagrance
flagrancy
flagrant
flagrante
flagrantly
flagrantness
flagrate
flagroot
flags
flagship
flagships
flagstaff
flagstaffs
flagstaves
flagstick
flagstone
flagstones
flagworm
flail
flailed
flailing
flailike
flails
flain
flair
flairs
flaite
flaith
flaithship
flajolotite
flak
flakage
flake
flakeboard
flaked
flakeless
flakelet
flaker
flakers
flakes
flakier
flakiest
flakily
flakiness
flaking
flaky
flam
flamant
flamb
flambage
flambant
flambe
flambeau
flambeaus
flambeaux
flambee
flambeed
flambeing
flamberg
flamberge
flambes
flamboyance
flamboyancy
flamboyant
flamboyantism
flamboyantize
flamboyantly
flamboyer
flame
flamed
flamefish
flamefishes
flameflower
flameholder
flameless
flamelet
flamelike
flamen
flamenco
flamencos
flamens
flamenship
flameout
flameouts
flameproof
flap's
flapcake
flapdock
flapdoodle
flapdragon
flaperon
flapjack
flapjacks
flapless
flapmouthed
flappable
flapped
flapper
flapperdom
flappered
flapperhood
flappering
flapperish
flapperism
flappers
flappet
flappier
flappiest
flapping
flappy
flaps
flare
flareback
flareboard
flared
flareless
flarer
flares
flarfish
flarfishes
flaring
flaringly
flary
flaser
flash
flashback
flashbacks
flashboard
flashbulb
flashbulbs
flashcube
flashcubes
flashed
flasher
flashers
flashes
flashet
flashflood
flashforward
flashforwards
flashgun
flashguns
flashier
flashiest
flashily
flashiness
flash
flashingly
flashings
flashlamp
flashlamps
flashlight
flashlight's
flashlights
flashlightlike
flashly
flashness
flashover
flashpan
flashproof
flashtester
flashtube
flashtubes
flashy
flask
flasker
flasket
flaskets
flaskful
flasklet
flasks
flasque
flat
flatbed
flatbeds
flatboat
flatboats
flatbottom
flatbread
flatbrod
flatcap
flatterable
flattercap
flatterdock
flattered
flatterer
flatterers
flatteress
flatteries
flattering
flatteringly
flatteringness
flatterous
flatters
flattery
flattest
flateur
flattie
flatting
flattish
flattop
flattops
flatulence
flatulences
flatulencies
flatulency
flatulent
flatulently
flatulentness
flatuosity
flatuous
flatus
flatuses
flatware
flatwares
flatwash
flatwashes
flatway
flatways
flatweed
flatwise
flatwoods
flatwork
flatworks
flatworm
flatworms
flaubert
flaucht
flaught
flaughtbred
flaughter
flaughts
flaunch
flaunche
flaunched
flaunching
flaunt
flaunted
flaunter
flaunters
flauntier
flauntiest
flauntily
flauntiness
flaunting
flauntingly
flaunts
flaunty
flautino
flautist
flautists
flauto
flav
flavanilin
flavaniline
flavanone
flavanthrene
flavanthrone
flavedo
flavedos
flavescence
flavescent
flavic
flavicant
flavid
flavin
flavine
flavines
flavins
flavo
flavobacteria
flavobacterium
flavone
flavones
flavonoid
flavonol
flavonols
flavoprotein
flavopurpurin
flavor
flavored
flavorer
flavorers
flavorful
flavorfully
flavorfulness
flavoriness
flavoring
flavorings
flavorless
flavorlessness
flavorous
flavorousness
flavors
flavorsome
flavorsomeness
flavor
flavour
flavoured
flavourer
flavourful
flavourfully
flavouring
flavourless
flavourous
flavours
flavoursome
flavoury
flavour
flaw
flawed
flawedness
flawflower
flawful
flawier
flawiest
flawing
flawless
flawlessly
flawlessness
flawn
flaws
flawy
flax
flaxbird
flegm
fleing
fleishig
fleme
flemer
fleming
flemings
flemish
flemished
flemishes
flemishing
flench
flenched
flenches
flenching
fense
fensed
fenser
fensers
fenses
fensing
fentes
flerried
flerry
flerrying
flesh
fleshbrush
fleshed
fleshen
flesher
fleshers
fleshes
fleshful
fleshhood
fleshhook
fleshier
fleshiest
fleshiness
fleshing
fleshings
fleshless
fleshlessness
fleshlier
fleshliest
fleshlike
fleshlily
fleshliness
fleshling
fleshly
fleshment
fleshmonger
fleshpot
fleshpots
fleshquake
fleshy
flet
fletch
fletched
fletcher
fletcherism
fletchers
fletches
fletching
fletchings
flether
fletton
fleur
fleuret
fleurette
fleurette
fleurettée
fleuretty
fleuron
fleuronée
fleuronne
fleuronnee
fleury
flew
flewed
flewit
flews
flex
flexanimous
flexed
flexes
flexibilities
flexibility
flexibity
flexible
flexibleness
flexibly
flexile
flexility
flexing
flexion
flexional
flexionless
flexions
flexitime
flexity
flexive
flexo
flexographic
flexographically
flexography
flexor
flexors
flexuose
flexuosely
flexuoseness
flexuosities
flexuosity
flexuous
flexuously
flexuousness
flexura
flexural
flexure
flexured
flexures
fley
fleyed
fleyedly
fleyedness
fleying
fleyland
fleys
fleysome
flibbertigibbet
flibbertigibbets
flibbertigibbety
flibustier
flic
flicflac
flichter
flichtered
flichtering
flichters
flick
flicked
flicker
flickered
flickering
flickeringly
flickermouse
flickerproof
flickers
flickertail
fickery
flicking
flicks
flicky
flics
flidder
flidge
flid
flier
fliers
flies
liest
fliffus
fligged
fligger
flight
flight's
flighted
flighter
flightful
flighthead
flightier
flightiest
flightily
flightiness
flighting
flightless
flights
flightshot
flightworthy
flighty
flimflam
flimflammed
flimflammer
flimflammery
flimflamming
flimflams
flimmer
flimp
flimsier
flimsies
flimsiest
flimsily
flimsilyst
flimsiness
flipflop
flipping
flipjack
flippance
flippancies
flippancy
flippant
flippantly
flippantness
flipped
flipper
flipperling
flippers
flippery
flippest
flipping
flips
flirt
flirtable
flirtation
flirtational
flirtationless
flirtations
flirtatious
flirtatiously
flirtatiousness
flirted
flirter
flirters
flirtier
flirtiest
flirtigig
flirting
flirtingly
flirtish
flirtishness
flirtling
flirts
flirty
fisk
flisko
flisked
fliskier
fliskiest
flisky
fit
flitch
flitched
flitchen
floating
floatingly
floative
floatless
floatmaker
floatman
floatmen
floatplane
floats
floatsman
floatsmen
floatstone
floaty
flob
flobby
floc
flocced
floci
flocclation
flocclation
floccing
floccipend
floccose
floccosely
flocculable
flocculant
floccular
flocculate
flocculated
flocculating
flocculation
flocculator
floccule
flocculence
flocculency
flocculent
flocculently
floccules
floccoli
flocculose
flocculous
flocculus
flocus
flock
flockbed
flocked
flocker
flockier
flockiest
flocking
flockings
flockless
flocklike
flockling
flockman
flockmaster
flockowner
flocks
flockwise
flocky
flocoon
flocs
flodge
floe
floeberg
floes
floey
flog
foggable
flogged
flogger
floggers
flogging
floggingly
floggings
flogmaster
flogs
flogster
floit
flokite
flon
flong
flongs
flood
floodable
floodage
floodboard
floodcock
flooded
flooder
flooders
floodgate
floodgates
flooding
floodless
floodlet
floodlight
floodlighted
floodlighting
floodlights
floodlike
floodlit
floodmark
floodometer
floodplain
floodproof
floods
floodtime
floodwall
floodwater
floodway
floodways
floodwood
floody
flooeey
flook
flookan
floor
floorage
floorages
floorboard
floorboards
floorcloth
floorcloths
floored
floorer
floorers
floorhead
flooring
floorings
floorless
floorman
floormen
floors
floorshift
floorshifts
floorshow
floorthrough
floorwalker
floorwalkers
floorward
floorway
floorwise
floosies
floosy
floozie
floozies
floozy
flop
flop's
floperoo
flophouse
flophouses
flopover
flopovers
flopped
flopper
fappers
floppier
floppies
floppiest
floppily
floppiness
flopping
floppy
flops
flopwing
flor
flora
floraes
floral
floralize
florally
floramor
floramour
floran
floras
florate
floreal
floreat
floreate
floreated
floreating
florence
florences
florent
florentine
florentines
florentium
flores
florescence
flourless
flourlike
flours
floury
flouse
floush
flout
flouted
flouter
flouters
flouting
floutingly
flouts
flow
flowable
flowage
flowages
flowchart
flowcharted
flowcharting
flowcharts
flowcontrol
flowe
flowed
flower
flowerage
flowerbed
flowered
flowerer
flowerers
floweret
flowerets
flowerfence
flowerfly
flowerful
flowerier
floweriest
flowerily
floweriness
flowering
flowerist
flowerless
flowerlessness
flowerlet
flowerlike
flowerpecker
flowerpot
flowerpots
flowers
flowerwork
flowery
flowing
flowingly
flowingness
flowk
flowmanostat
flowmeter
flown
flowoff
flows
flowstone
floyt
frie
flu
fluate
fluavil
fluavile
flub
flubbed
flubbing
flubdub
flubduberies
flubdubbery
flubdubs
flubs
flucan
fluctiferous
fluctigerous
fluctisonant
fluctisonous
fluctuability
fluctuable
fluctuant
fluctuate
fluctuated
fluctuates
fluctuating
fluctuation
fluctuational
fluctuations
fluctuosity
fluctuous
flue
flued
fluegelhorn
flueless
fluellen
fluellin
fluellite
flueman
fluemen
fluence
fluencies
fluency
fluent
fluently
fluentness
fluer
flueric
fluerics
flues
fluework
fluey
fluff
fluffed
fluffer
fluffier
fluffiest
fluffily
fluffiness
fluffing
fluffs
fluffy
flugel
flugelhorn
flugelman
flugelmen
fluable
fluid
fluidacetextract
fluidal
fluidally
fluidextract
fluidglycerate
fluidible
fluidic
fluidics
fluidification
fluidified
fluidifier
fluidify
fluidifying
fluidimeter
fluidisation
fluminous
flummadiddle
flummer
flummeries
flummery
flummox
flummoxed
flummoxes
flummoxing
flummydiddle
flump
flumped
flumping
flumps
flung
flunk
flunked
flunker
flunkers
flunkey
flunkeydom
flunkeyhood
flunkeyish
flunkeyism
flunkeyistic
flunkeyite
flunkeyize
flunkeys
flunkies
flunking
flunks
flunky
flunkydom
flunkyhood
flunkyish
flunkyism
flunkyistic
flunkyite
flunkyize
fluoaluminate
fluoaluminic
fluoarsenate
fluoborate
fluoboric
fluoborid
fluoboride
fluoborite
fluobromide
fluocarbonate
fluocerine
fluocerite
fluochloride
fluohydric
fluophosphate
fluor
fluoran
fluorane
fluoranthene
fluorapatite
fluorate
fluorated
fluorbenzene
fluorboric
fluorene
fluorenes
fluorenyl
fluoresage
fluoresce
fluoresced
fluorescein
fluoresceine
fluorescence
fluorescent
fluorescer
fluoresces
fluorescigenic
fluorescigenous
fluorescing
fluorhydric
fluoric
fluorid
fluoridate
fluoridated
fluoridates
fluoridating
fluoridation
fluoridations
fluoride
fluorides
fluoridisation
fluoridise
fluoridised
fluoridising
fluoridization
fluoridize
fluoridized
fluorotype
fluorouracil
fluors
fluar
fluorspar
fluoryl
fluorsilicate
fluorsilicic
fluotantalate
fluotantalic
fluotitanate
fluotitanic
fluozirconic
fluphenazine
flur
flurr
flurried
flurriedly
flurries
flurrriment
flurry
flurring
flurt
flus
flush
flushable
flushboard
flushed
flusher
flusherman
flushermen
flushers
flushes
flushest
flushgate
flushing
flushingly
flushness
flushy
flusk
flusker
fluster
flusterate
flusterated
flusterating
flustercation
flustered
flusterer
flustering
flusterment
flusters
flustery
flustrate
flustrated
flustrating
flustration
flustrine
flustroid
flustrum
flute
flutebird
fluted
flute-like
flutemouth
fluter
fluters
flutes
flutework
flutey
fluther
flutier
flutiest
flutina
fluting
flutings
flutist
flutists
flutter
flutterable
flutteration
flutterboard
fluttered
flutterer
flutterers
flutterer-ness
fluttering
flutteringly
flutterless
flutterment
flutter
flutter-some
flutterery
fluty
fluvanna
fluvial
fluvial-ist
fluviatric
fluviatile
fluviation
fluvicoline
fluvio
fluvioglacial
fluviograph
fluviolacustrine
fluviology
fluviomarine
fluviometer
fluviose
fluvioterrestrial
fluvious
fluviovolcanic
flux
fluxation
fluxed
fluxer
fluxes
fluxgraph
fluxibility
fluxible
fluxibleness
fluxibly
fluxile
fluxility
fluxing
fluxion
fluxional
fluxionally
fluxionary
fluxionist
fluxions
fluxive
fluxmeter
fluxroot
fluxure
fluxweed
flyt
flyyts
fly
flyability
flyable
flyaway
flyaways
flyback
flyball
flybane
flybelt
flybelts
flyblew
flyblew
flyblowing
flyblown
flyblows
flyboat
flyboats
flybook
flyboy
flybrush
flyby
flybys
flycaster
flycatcher
flycatchers
flyeater
flyer
flyer's
flyers
flyflap
flyflapper
flyflower
flying
flyingly
flyings
flyleaf
flyleaves
flyless
flyman
flymen
flyness
flyoff
flyover
flyovers
flypaper
flypapers
flypast
flypasts
flyph
deflyproof
flysch
fliesches
flyspeck
flyspecked
flyspecking
flyspecks
flyswat
flyswatter
flytail
flyte
flyted
flytes
flytier
flytiers
flytime
flyting
flytings
flytrap
flytraps
flyway
flyways
flyweight
flyweights
flywheel
flywheels
flywinch
flywire
flywort
fm
fmt
fn
fname
fnese
fo
fo'c's'le
fo'c's'le
foal
foaled
foalfoot
foalfoots
foalhood
foaling
foals
foaly
foam
foambow
foamed
foamer
foamers
foamflower
foamier
foamiest
foamily
foaminess
foaming
foamingly
foamless
foamlike
foams
foamy
fob
fobbed
fobbing
fobs
focal
focalisation
focalise
focalised
focalises
focalising
focalization
focalize
focalized
focalizes
focalizing
focally
focaloid
foci
focimeter
focimetry
fockle
focoids
focometer
focometry
focisle
focus
focusable
focused
focuser
focusers
focuses
focusing
focusless
focussed
focusses
focussing
fod
fodda
fodder
foddered
fodderer
foddering
foldedly
folden
folder
folderol
folderols
folders
folding
foldless
foldout
foldouts
folds
foldskirt
foldstool
foldure
foldwards
foldy
fole
foleye
folgerite
folia
foliaceous
foliaceousness
foliage
foliaged
foliageous
foliages
foliaging
folial
foliar
foliary
foliate
foliated
foliates
foliating
foliation
foliator
foliature
folic
folie
folies
foliicolous
foliferous
foliform
folily
folio
foliobranch
foliobranchiate
foliocellosis
folioed
folioing
foliolate
foliote
folioliferous
foliolose
folios
foliose
foliosity
foliot
folious
foliously
folium
folios
folk
folk's
folkboat
folkcraft
folkfree
folkish
folkishness
folkland
folklie
folklore
follores
folkloric
folklorish
folklorism
folklorist
folkloristic
folklorists
folkmoot
folkmooter
folkmoots
folkmot
folkmote
folkmoter
folkmotes
folkmots
folkrigh
folks
folksay
folksay
folksier
folksiest
folksily
folksiness
folksinger
fonnish
fino
fons
font
font's
fontal
fontally
fontanel
fontanelle
fontanels
fontange
fontanges
fonted
fontes
fontful
fonticulus
fontina
fontinal
fontinalaceous
fontinas
fontlet
fonts
foo
foobar
food
food's
fooder
foodful
foodless
foodlessness
foods
foodservices
foodstuff
foodstuff's
foodstuffs
foody
foofaraw
foofaraws
fool
foolable
fooldom
fooled
fooler
fooleries
foolery
foolless
foolfish
foolfishes
foolhardier
foolhardiest
foolhardihood
foolhardily
foolhardiness
foolhardiship
foolhardy
foolhead
foolheaded
foolheadedness
foolify
fooling
foolish
foolisher
foolishest
foolishly
foolishness
foollike
foolmonger
foolocracy
foolproof
foolproofness
fools
foolscap
foolscaps
foolship
fooner
fooster
foosterer
foot
footage
footages
footback
football
football's
footballer
footballist
footballs
footband
footbath
footsbaths
footbeat
footblower
footboard
footboards
footboy
footboys
footbreadth
footbridge
footbridges
footcandle
footcandles
footcloth
footcloths
footed
footeite
footer
footers
footfall
footfalls
footfarer
footfault
footfeed
footfolk
footful
footganger
footgear
footgears
footgeld
footglove
footgrip
foothalt
foothil
foothill
foothills
foothills
foothold
footholds
foothook
foothot
foottie
footier
footiest
footing
footingly
footings
footle
footted
footler
footlers
footles
footless
footlessly
footlessness
footlicker
footlicking
footlight
footlights
fooltike
footling
footlining
footlock
footlocker
footlockers
footlog
footloose
footmaker
footman
footmanhood
footmanry
footmanship
footmark
footmarks
footmen
footmenfootpad
footnote
footnote's
footnoted
footnotes
footnoting
footpace
footpaces
footpad
footpaddery
footpads
footpath
footpaths
footpick
footplate
footpound
footpounds
footprint
footprint's
footprints
foottrace
foottraces
footrail
footrest
footrests
footrill
footroom
footrope
footropes
foots
footscald
footscraper
footsie
footsies
footslog
footslogged
footslogger
footslogging
footslogs
footsoldier
footsoldiers
footsore
footsoreness
footsores
footstalk
footstall
footstep
footsteps
footstick
footstock
footstone
footstool
footstools
footsy
footwalk
footwall
footwalls
footwarmer
footwarmers
footway
footways
footwear
footwears
footweary
footwork
footworks
footworn
footy
fooyoung
fooyung
foozle
foozled
foozler
foozlers
foozles
foozling
fop
fopdoodle
forcible
forcibleness
forcibly
forcing
forcingly
forcipal
forcipate
forcipated
forcipation
forcipes
forcipal
forcipiform
forcipressure
forcipulate
forcite
forcite
forcleave
forclose
forconceit
forcut
forcy
ford
fordable
fordableness
fordam
fordays
fordeal
fورد
fورد
fورد
fording
fordless
fordo
fordoes
fordoing
fordone
fordrive
fords
fordull
fordwine
fordy
fore
foreaccounting
foreaccustom
foreacquaint
foreact
foreadapt
foreadmonish
foreadvertise
foreadvice
foreadvise
foreallege
foreallot
foreannounce
foreannouncement
foreanswer
foreappoint
foreappointment
forearm
forearm's
forearmed
forearming
forearms
foreassign
foreassurance
forebackwardly
forebar
forebay
forebays
forebear
forebearing
forebears
forebemoan
forebemoaned
forebespeak
forebitt
forebitten
forebitter
forebless
foreboard
forebode
foreboded
forebodement
foreboder
forebodes
forebodies
foreboding
forebodingly
forebodingness
forebodings
forebody
foreboom
forebooms
foreboot
forebow
forebowels
forebowline
forebows
forebrace
forebrain
forebreast
forebridge
forebroids
foreburton
forebush
foreby
forebye
forecabin
forecaddie
forecar
forecarriage
forecast
forecasted
forecaster
forecasters
forecasting
forecastingly
forecastle
forecasthead
forecastleman
forecastlemen
forecastles
forecastors
forecasts
forecatching
forecatharping
forechamber
forechase
forechoice
forechoir
forechoose
forechurch
forecited
foreclaw
foreclosable
foreclose
foreclosed
forecloses
foreclosing
foreclosure
foreclosures
forecome
forecomingness
forecommend
foreconceive
foreconclude
forecondemn
foreconscious
foreconsent
foreconsider
forecontrive
forecool
forecooler
forecounsel
forecount
forecourse
forecourt
forecourts
forecover
forecovert
foredate
foredated
foredates
foredating
foredawn
foreday
foredays
foredeck
foredecks
foredeclare
foredecree
foredeem
foredeep
foredefeated
foredefine
foredenounce
foredescribe
foredeserved
foredesign
foredesignment
foredesk
foredestine
foredestined
foredestining
foredestiny
foredetermination
foredetermine
foredevised
foredevote
foredid
forediscern
foredispose
foredivine
foredo
foredoes
foredoing
foredone
foredoom
foredoomed
foredoomer
foredooming
foredooms
foredoor
foredune
foreface
forefaces
forefather
forefather's
forefatherly
forefathers
forefault
forefeel
forefeeling
forefeelingly
forefeels
forefeet
forefelt
forefence
forefend
forefended
forefending
forefends
forefelt
forefield
forefigure
forefin
forefinger
forefinger's
forefingers
forefit
foreflank
foreflap
foreflipper
forefoot
forefront
forefronts
foregahger
foregallery
foregame
foreganger
foregate
foregather
foregift
foregirth
foreglance
foregleam
foreglimpse
foreglimpsed
foreglow
forego
foregoer
foregoers
foregoes
foregoing
foregone
foregoneness
foreground
foregrounds
foreguess
foreguidance
foregut
foreguts
forehalf
forehall
forehammer
forehand
forehanded
forehandedly
forehandedness
forehands
forehandsel
forehard
forehatch
forehatchway
forehead
forehead's
foreheaded
foreheads
forehear
forehearth
foreheater
forehent
forehew
forehill
forehinting
forehock
forehold
forehood
forehoof
forehoofs
forehook
forehooves
forehorse
foreign
foreignengineering
foreigner
foreigners
foreignership
foreignism
foreignization
foreignize
foreignly
foreignness
foreigns
foreimagination
foreimagine
foreimpressed
foreimpression
foreinclined
foreinstruct
foreintend
foreiron
forejudge
forejudged
forejudger
forejudging
forejudgment
forekeel
foreking
foreknee
foreknew
foreknow
foreknowable
foreknowableness
foreknower
foreknowing
foreknowingly
foreknowledge
foreknown
foreknows
forel
foreladies
forelady
forelaid
foreland
forelands
forelay
forelaying
foreleader
foreleech
foreleg
forelegs
forelimb
forelimbs
forelive
forellenstein
forelock
forelocks
forelook
foreloop
forelooper
foreloper
forelouper
foremade
foreman
foremanship
foremarch
foremark
foremartyr
foremast
foremasthand
foremastman
foremastmen
foremasts
foremean
foremeant
foremelt
foremen
foremention
forementioned
foremessenger
foremilk
foremilks
foremind
foremisgiving
foremistress
foremost
foremosly
foremother
forename
forenamed
forenames
forenent
forenews
forenight
forenoon
forenoons
forenote
forenoted
forenotice
forenotion
forensal
forensic
forensical
forensicality
forensically
forensics
foreordain
foreordained
foreordaining
foreordainment
foreordainments
foreordains
foreorder
foreordinate
foreordinated
foreordinating
foreordination
foreorlop
forepad
forepale
forepaled
forepaling
foreparent
foreparents
forepart
foreparts
forepass
forepassed
forepast
forepaw
forepaws
forepayment
forepeak
forepeaks
foreperiod
forepiece
foreplace
foreplan
foreplanting
foreplay
foreplays
forepleasure
foreplot
forepoint
forepointer
forepole
forepoled
forepoling
foreporch
forepossessed
forepost
forepredicament
forepreparation
foreprepare
forepretended
foreprise
foreprize
foreproduct
foreproffer
forepromise
forepromised
foreprovided
foreprovision
forepurpose
forequarter
forequarters
forequoted
forerake
foreran
forerank
foreranks
forereach
forereaching
foreread
forereading
forerecited
forereckon
forerehearsed
foreremembered
forereport
forerequest
forerevelation
forerib
foreribs
forerigging
foreright
foreroom
foreroyal
forerun
forerunner
foresheets
foreshift
foreship
foreshock
foreshoe
foreshop
foreshore
foreshorten
foreshortened
foreshortening
foreshortens
foreshot
foreshots
foreshoulder
foreshow
foreshowed
foreshower
foreshowing
foreshown
foreshows
foreshroud
foreside
foresides
foresight
foresighted
foresightedly
foresightedness
foresightful
foresightless
foresights
foresign
foresignify
foresin
foresing
foresinger
foreskin
foreskins
foreskirt
foreslack
foresleeve
foreslow
foresound
forespake
forespeak
forespeaker
forespeaking
forespecified
forespeech
forests
forestside
forestudy
forestwards
foresty
foresummer
foresummon
foreswear
foreswearing
foresweat
foreswear
foresworn
foret
foretack
foretackle
foretake
foretalk
foretalking
foretaste
foretasted
foretaster
foretastes
foretasting
foreteach
foreteeth
foretell
foretellable
foretellableness
foreteller
foretellers
foretelling
foretells
forethink
forethinker
forethinking
forethough
forethought
forethoughted
forethoughtful
forethoughtfully
forethoughtfulness
forethoughtless
forethrift
foretime
foretimed
foretimes
foretoken
foretokened
forewish
forewit
forewoman
forewomen
forewonted
foreword
forewords
foreworld
foreworn
forewritten
forewrought
forex
foreyard
foreyards
foreyear
forfain
forfalt
forfar
forfare
forfars
forfault
forfaulture
forfear
forfeit
forfeitable
forfeitable
forfeitableness
forfeitabed
forfeiter
forfeiting
forfeits
forfeiture
forfeitures
forfend
forfended
forfending
forfends
forfex
forficate
forficated
forfication
forficiform
forficulate
forfit
forfouchten
forfoughen
forfoughten
forgab
forgainst
forkers
forkful
forkfuls
forkhead
forkier
forkiest
forkiness
forking
forkless
forklift
forklifts
forklike
forkman
forkmen
forks
forksful
forksmith
forktail
forkwise
forky
forlain
forlana
forlanas
forlane
forlay
forleave
forleaving
forleft
forleit
forlese
forlet
forletting
forlie
forlive
forloin
forlore
forlorn
forlormer
forlornest
forlornity
forlornly
forlornness
form
forma
formability
formable
formably
formagen
formagenic
formal
formalazine
formaldehyd
formaldehyde
formaldehydesulphoxylate
formaldehydesulphoxylic
formaldoxime
formalesque
formalin
formalins
formalisation
formalise
formalised
formaliser
formalising
formalism
formalism's
formalisms
formalist
formalistic
formalistically
formaliter
formalith
formalities
formality
formalizable
formalization
formalization's
formalizations
formalize
formalized
formalizer
formalizes
formalizing
formally
formalness
formals
formamide
formamidine
formamido
formamidoxime
formanilide
formant
formants
format
formate
formated
fornenst
fornent
fornical
fomicate
fomicated
fomicates
fomicating
fomication
fomications
fomicator
fomicators
fomicatory
fomicatress
fomicatrices
fomicatrix
fornices
fomiciform
fominst
fornix
forold
forpass
forpet
forpine
forpined
forpining
forpit
forprise
forra
forrad
forrader
forrard
forrarder
forrel
forride
forril
forrit
forritsome
forruve
forsado
forsake
forsaken
forsakenly
forsakenness
forsaker
forsakers
forsakes
forsaking
forsar
forthbring
forthbringer
forthbringing
forthbrought
forthby
forthcall
forthcame
forthcome
forthcomer
forthcoming
forthcomingness
forthcut
forthfare
forthfigured
forthgaze
forthgo
forthgoing
forthink
forththinking
forthon
forthought
forthputting
forthright
forthrightly
forthrightness
forthrights
forthset
forthtell
forthteller
forthward
forthwith
forthly
fortier
forties
fortieth
fortieths
fortifiable
fortification
fortifications
fortified
fortifier
fortifiers
fortifies
fortify
fortifying
fortifyingly
fortifys
fortilage
foryield
forz
forzando
forzandos
forzato
fosh
fosie
foss
fossa
fossae
fossage
fossane
fossarian
fossate
fosse
fossed
fosses
fosset
fossette
fossettes
fossick
fossicked
fossicker
fossicking
fossicks
fossilified
fossiliferous
fossilification
fossilify
fossilisable
fossilisation
fossilise
fossilised
fossilising
fossilism
fossilist
fossilizable
fossilization
fossilize
fossilized
fossilizes
fossilizing
fossilike
fossilogist
fossilogy
fossilological
fossilologist
fossilology
fossils
fossilizing
fossilify
fossilology
fossor
fossories
fossorial
fossorial
fossors
fossula
fossulae
fossulate
fossule
fossulet
fostell
foster
fosterable
fosterage
fostered
fosterer
fosterers
fosterhood
fostering
fosteringly
fosterite
fosterland
fosterling
fosterlings
fosters
fostership
fostress
fot
fotch
fotched
fother
fothering
fotive
fotmal
fotui
fou
foud
fractionating
fractionation
fractionator
fractioned
fractioning
fractionisation
fractionise
fractionised
fractionising
fractionization
fractionize
fractionized
fractionizing
fractionlet
fractions
fractious
fractiously
fractiousness
fractocumulus
fractonimbus
fractostratus
fractuosity
fractus
fracturable
fracturableness
fractural
fracture
fractured
fractureproof
fractures
fracturing
fracturs
fractus
fradicin
frae
fraela
fraena
fraenula
fraenular
fraenulum
fraenum
fraenums
frag
fragged
fragging
fraggings
fraghan
fragile
fragilely
fragileness
fragilities
fragility
fragment
fragmental
fragmentalize
fragmentally
fragmentarily
fragmentariness
fragmentary
fragmentate
fragmentation
fragmented
fragmenting
fragmentation
fragmentise
fragmentised
fragmentising
fragmentist
fragmentitious
fragmentization
fragmentize
fragmentized
fragmentizer
fragmentizing
fragments
fragor
fragrance
fragrance's
fragrances
fragrancies
fragrancy
fragrant
fragrantly
fragrantness
frags
fraicheur
fraid
fraidycat
fraik
frail
fraile
frailejon
frailer
frailoro
fraileros
frailles
frailest
frailish
frailly
fraillness
frails
frailties
fraility
fraischeur
raise
raised
raisier
raises
raising
raist
fraken
frakfurt
fraktur
frakturs
framable
frambleness
frambesia
framboesia
framboise
frame
framea
frameable
frameableness
frameae
framed
frameless
framer
framers
frames
frameshift
framesmith
framework
framework's
frameworks
framing
frammit
frampler
frampold
franc
franca
francas
france
france's
frances
fratricidal
fratricide
fratricides
fratries
fratry
frats
frau
fraud
fraud's
frauder
fraudful
fraudfully
fraudless
fraudlessly
fraudlessness
fraudproof
frauds
fraudulence
fraudulency
fraudulent
fraudulently
fraudulentness
frauen
fraughan
fraught
fraughtage
fraughted
fraughting
fraughts
fraulein
frauleins
fraunch
fraus
fravashi
frawn
fraxetin
fraxin
frxinella
fray
frayed
frayedly
frayedness
fraying
frayings
frayn
frayne
frayproof
frays
fraze
frazed
frazer
frazil
frazing
frazzle
frazzled
frazzles
frazzling
frden
freak
freak's
freakdom
freaked
freakery
freakful
freakier
freakiest
freakily
freakiness
freaking
freakish
freakishly
freakishness
freakout
freakouts
freakpot
freaks
freaky
fream
freath
freck
frecked
frecken
freckened
frecket
freckle
freckled
freckledness
freckleproof
freckles
frecklier
freckliest
freckliness
freckling
frecklish
freckly
fred
freet
freethink
freethinker
freethinkers
freethinking
freetrader
freety
freeward
freeway
freeways
frewheel
frewheeling
frewheelingness
freewill
freewoman
freewomen
freezable
freeze
freezed
freezer
freezers
freezes
freezing
freezingly
freezy
fregit
freibergite
freieslebenite
freieslebenhe
freight
freightage
freighted
freighter
freighters
freighting
freightless
freightliner
freightment
freights
freightyard
freijo
freinage
freir
freit
freith
freity
freemd
fremdly
fremdness
fremescence
fremescent
fremitus
fremituses
fremt
fren
frena
frenal
frenate
french
frenched
frenchen
frenches
frenchification
frenchify
frenching
frenchism
frenchman
frenchmen
frenchwoman
frenchwomen
frenetic
frenetical
frenetically
frenetics
frenne
frenula
frenular
frenulum
frenum
frenums
frenuna
frenzelite
frenzic
frenzied
frenziedly
frenziedness
frenzies
frenzily
frenzy
frenzying
freon
freq
frequency
frequencies
freshment
freshness
freshwater
freshwoman
fresison
fresne
fresnel
fresnels
fresno
fress
fresser
fret
fretful
fretfully
fretfulness
fretish
fretize
fretless
frets
fretsaw
fretsaws
fretsome
frett
frettage
frettation
frette
fretted
fretten
fretter
fretters
frettier
frettiest
fretting
frettingly
fretty
fretum
fretways
fretwise
fretwork
fretworked
fretworks
freud
freudian
freudianism
freudians
frey
freya
freyalite
friability
friable
friableness
friand
friandise
friar
friar's
friarbird
friarhood
friaries
friarling
friarly
friars
friary
friation
frib
fribble
fribbled
fribbleism
fribbler
fribblers
fribblery
fribbles
fribbling
friblish
fribby
friborg
friborh
fribourg
fricace
fricandeau
fricandeaus
fricandeaux
fricandel
fricandelle
fricando
fricandoes
fricassee
fricasseed
fricasseeing
fricassees
fricasseeing
frication
fricative
fricatives
fricatrice
frickle
fricti
friction
friction's
frictionable
frictional
frictionally
frictionize
frictionized
frictionizing
frictionless
frictionlessly
frictionlessness
frictionproof
frictions
friday
friday's
fridays
fridge
fridges
fridstool
fried
friedcake
friedelite
friedman
friedrichsdor
friend
friend's
friended
friending
friendless
friendlessness
friendlier
friendlies
friendliest
friendlike
friendlily
friendliness
friendliwise
friendly
friends
friendship
friendship's
friendships
frier
friers
fries
friese
frieseite
friesian
frieze
frieze's
friezed
friezer
friezes
friezing
friezy
frig
frigage
frigate
frigate's
frigates
frigatoon
frigefact
frigga
frigged
frigger
frigging
friggle
fright
frightable
frighted
frighten
frightenable
frightened
frightenedly
frightenedness
frightener
frightening
frighteningly
frighteningness
frightens
frighter
frightful
frightfully
frightfulness
frighting
frightless
frightment
frights
frightsome
frighty
frigid
frigidaire
frigidaria
frigidarium
frigiddaria
frigidities
frigidity
frigidly
frigidness
frigidoreceptor
frigiferous
frigolabile
frigor
frigoric
frigorific
frigorifical
frigorifico
frigorify
frigorimeter
frigostable
frigotherapy
frigs
frijol
frijole
frijoles
frijolillo
frijolito
frike
frilal
frill
frill's
frillback
frilled
friller
frillers
frillery
frillier
frillies
frilliest
frillily
frilliness
frilling
frillings
frills
frilly
frim
frimaire
frimitts
fringe
fringed
fringeflower
fringefoot
fringehead
fringeless
fringelet
fringelike
fringent
fringepod
fringes
fringier
fringiest
fringillaceous
fringillid
fringilliform
fringilline
fringilloid
fringiness
fringing
fringy
friponerie
fripper
fripperer
fripperies
frippery
frippet
fris
frisado
frisbee
frisbees
frisca
friscal
frisch
frisco
frise
frises
frisette
frisettes
friseur
friseurs
frisian
frisk
frisked
frisker
friskers
friskest
frisket
friskets
friskful
friskier
friskiest
friskily
friskin
frivolism
frivolist
frivolities
frivolity
frivolize
frivolized
frivolizing
frivolled
frivoller
frivolling
frivolous
frivolously
frivolousness
frivols
frixion
friz
frizado
frize
frized
frizel
frizer
frizers
frizes
frizette
frizettes
frizing
frizz
frizzante
frizzed
frizzen
frizzer
frizzers
frizzes
frizzier
frizziest
frizzily
frizziness
frizzing
frizzle
frizzled
frizzler
frizzlers
frizzles
frizzlier
frizzliest
frizzling
frizzly
frizzy
fro
frock
frock's
frocked
frocking
frockless
frocklike
frockmaker
frocks
froe
froeman
froes
frog
frog's
frogbit
frogeater
frogeye
frogeyed
frogeyes
frogface
frogfish
frogfishes
frogflower
frogfoot
frogged
frogger
froggery
froggier
froggies
froggiest
frogginess
frogging
froggish
froggy
froghood
froghopper
frogland
frogleaf
frogleg
froglet
froglets
froglike
frogling
frogman
frogmarch
frogmen
frogmouth
frogmouths
frognose
frogs
frogskin
frogskins
frogspawn
frogstool
frogtongue
frogwort
frohlich
froideur
froise
froisse
frokin
frolic
frolicful
frolicked
frolicker
frolickers
frolicking
frolicky
frolicks
frolic
frolics
frolicsome
frolicsomely
frolicsomeness
from
fromage
fromages
fromenties
fromenty
fromfile
fromward
fromwards
frond
frondage
frondation
fronde
fronded
frondent
frondesce
frondesced
frondescence
frondescence
frondescing
frondeur
frontlessly
frontlessness
frontlet
frontlets
frontoauricular
frontoethmoid
frontogenesis
frontolysis
frontomalar
frontomallar
frontomaxillary
frontomental
fronton
frontonasal
frontons
frontooccipital
frontoorbital
frontoparietal
frontopontine
frontosphenoidal
frontosquamosal
frontotemporal
frontozygomatic
frontpiece
frontrunner
fronts
frontsman
frontspiece
frontspieces
frontstall
fronture
frontward
frontwards
frontways
frontwise
from
froppish
fore
foren
fory
frosh
frok
frost
frostation
frostbird
frostbit
frostbiter
frostbites
frostbiting
frostbitten
frostbound
frostbow
frosted
frosteds
froster
frostfish
frostfishes
frostflower
frostier
frostiest
frostily
frostiness
frosting
frostings
frostless
frostlike
frostnipped
frostproof
frostproofing
frostroot
frost
frosts
frostweed
frostwork
frostwort
frosty
frot
froth
frothed
frother
frothier
frothieth
frothily
frothiness
frothing
frothless
froths
frothsome
frothy
frottage
frottages
frotted
frotteur
frotteurs
frotting
frottom
frottola
frottole
frotton
froufrou
froufrous
frough
froughy
frounce
frounced
frounceless
frounces
frouncing
frousier
frousiest
froust
frousty
frousy
frouze
frouzier
frouziest
frouzy
frow
froward
frowardly
frowardness
frower
frowl
frown
frowned
frowner
frowners
frownful
frowning
frowningly
frownless
frowns
frownly
frows
frowsier
frowsiest
frowsily
frowsiness
frowst
frowstier
frowstiest
frowstily
frowstiness
frowsty
frowsy
frowy
frowze
frowzier
frowziest
frowzily
frowziness
frowzled
frowzly
frowzy
froe
frozen
frozenhearted
frozenly
frozenness
frs
frsiket
frsikets
frt
frubbish
fruchtschiefer
fructed
fructescence
fructescent
fructiculose
fructicultural
fructiculture
fructidor
fructiferous
fructiferously
fructiferousness
fructification
fructificative
fructified
fructifier
fructifies
fructiform
fructify
fructifying
fructiparous
fructivorous
fructokinase
fructosan
fructose
fructoses
fructoside
fructuarius
fructuary
fructuate
fruitfulness
fruitgrower
fruitgrowing
fruitier
fruitiest
fruitiness
fruiting
fruition
frutions
fruitist
fruitive
fruitless
fruitlessly
fruitlessness
fruitlet
fruitlets
fruitlike
fruitling
fruits
fruitstalk
fruittime
fruitwise
fruitwoman
fruitwomen
fruitwood
fruitworm
fruity
frumaryl
frument
frumentaceous
frumentarius
frumentation
frumenties
frumentum
frumpty
frumety
frumpt
frumperies
frumpery
frumpier
frumpiest
frumpily
frumpiness
frumpish
frumpishly
frumpishness
frumple
frumpled
frumpling
frumps
frumpy
frundel
frush
frusla
frust
frusta
frustrable
frustraneous
frustrate
frustrated
frustrately
frustrater
frustrates
frustrating
frustratingly
frustration
frustrations
frustrative
frustratory
frustula
frustule
frustulent
frustules
frustulose
frustulum
frustum
frustums
frutage
frutescence
frutescent
frutex
fruticant
fruticeous
frutices
fruticeta
fruticetum
fruticose
fruticious
fruticulose
fruticulture
frutify
frutilla
fruz
frwy
fry
fryer
fucoid
fucoidal
fucoidin
fucoids
fucosan
fucose
fucoses
fucous
fucoxanthin
fucoxanthine
fucus
fucused
fucuses
fud
fudder
fuddle
fuddlebrained
fuddled
fuddledness
fuddlement
fuddler
fuddles
fuddling
fuder
fudge
fudged
fudger
fudges
fudging
fudgy
fuds
fuegian
fuehrer
fuehrrer
fuel
fueled
fueler
fuelers
fueling
fuelizer
fuelled
fueller
fuellers
fuelling
fuels
fuerte
fuff
fuffit
fuffle
fuffy
fug
fugacious
fugaciously
fugaciousness
fugacities
fugacity
fugacy
fugal
fugally
fugara
fugard
fugate
fugato
fugatos
fugged
fuggier
fuggiest
fugging
fuggy
fughetta
fughettas
fughette
fugie
fugient
fugio
fugios
fugit
fugitate
fugitated
fugitating
fugitation
fugitive
fugitive's
fugitively
fugitiveness
fugitives
fugitivism
fugitivity
fugle
fugled
fugleman
fuglemanship
fuglemen
fugler
fugles
fugling
fullgrownness
fullhearted
fulling
fullish
fullmouth
fullmouthed
fullmouthedly
fullness
fullnesses
fullom
fuls
fullterm
fulltime
fullword
fullwords
fully
fullymart
fulmar
fulmars
fulmen
fulmicotton
fulmina
fulminancy
fulminant
fulminate
fulminated
fulminates
fulminating
fulmination
fulminations
fulminator
fulminatory
fulmine
fulmined
fulmineous
fulmines
fulminic
fulmining
fulminous
fulminurate
fulminuric
fulness
fulnesses
fulsamic
fulsome
fulsomely
fulsomeness
fulth
fume
fumed
fumeless
fumelike
fumer
fumerel
fumeroot
fumers
fumes
fumet
fumets
fumette
fumettes
fumeuse
fumeuses
fumewort
fumid
fumidity
fumiduct
fumier
fumiest
fumiferana
fumiferous
fumify
fumigant
fumigants
fumigate
fumigated
fumigates
fumigating
fumigation
fumigrations
fumigator
fumigators
fumigatorium
fumigators
fumigatory
fumily
fuminess
fuming
fumingly
fumish
fumishing
fumishly
fumishness
fumistery
fumitories
fumitory
fumel
fummle
fumose
fumosity
famous
famously
fumuli
fumulus
fumy
fun
funambulant
funambulate
funambulated
funambulating
funambulation
funambulator
funambulatory
funambule
funambulic
funambulism
funambulist
funambulo
funambuloes
funariaceous
funbre
function
function's
functional
functionalism
functionalist
functionalistic
functionalities
functionality
functionalize
functionalized
functionalizing
functionally
functionals
functionaries
functionarism
functionary
functionate
functionated
functionating
functionation
functioned
functioning
functionize
functionless
functionlessness
functionnaire
functions
functor
functor's
functorial
functors
functus
fund
fundable
fundal
fundament
fundamental
fundamentalism
fundamentalist
fundamentalistic
fundamentalists
fundamentality
fundamentally
fundamentalness
fundamentals
fundatorial
fundatrices
fundatrix
funded
funder
funders
fundholder
fundi
fundic
fundiform
funding
funditor
funditores
fundless
fundmonger
fundmongering
fundraise
fundraising
funds
funduck
fundule
fundungi
fundus
funebre
funebrial
funebrious
funebrous
funeral
funeral's
funeralize
funerally
funerals
funerary
funerate
funeration
funereal
funereality
funereally
funerealness
funest
funestal
funfair
funfairs
funfest
fungaceous
fungal
fungals
fungate
fungated
fungating
fungation
funge
fungi
fungian
fungibility
fungible
fungibles
fungic
fungicidal
fungicidally
fungicide
fungicides
fungicolous
fungid
fungiferous
fungiform
fungify
fungilliform
fungillus
fungin
fungistat
fungistatic
fungistically
fungite
fungitoxic
fungitoxicity
fungivorous
fungo
fungoes
fungoid
fungoidal
fungoids
fungological
fungologist
fungology
fungose
fungosities
fungosity
fungous
fungus
fungused
funguses
funguslike
fungusy
funic
funicle
funicles
funicular
funiculars
funiculate
funicule
funiculi
funiculitis
funiculus
funiform
funiform
funiliform
funipendulous
funis
funk
funked
funker
funkers
funkia
funkias
funkier
funkiest
funkiness
funking
funks
funky
funli
funmaker
funmaking
funned
funnel
funneled
funnelform
funneling
funnelled
funnellike
funnelling
funnels
funnelwise
funnier
funnies
funniest
funnily
funniment
funniness
funning
funny
funnyman
funnymen
funori
funorin
funs
funster
funt
fur
fur's
furacana
furacious
furaciousness
furacity
fural
furaldehyde
furan
furandi
furane
furanes
furanoid
furanose
furanoses
furanoside
furans
furazan
furazane
furazolidone
furbearer
furbelow
furfurol
furfurole
furfurous
furfuryl
furfurylidene
furial
furiant
furibund
furicane
furied
furies
furify
furil
furile
furilic
furiosa
furiosity
furioso
furious
furiouser
furiousity
furioulsly
furiousness
furison
furivae
furl
furlable
furlana
furlanas
furlane
furled
furler
furlers
furless
furling
furlong
furlongs
furlough
furloughed
furloughing
furloughs
furls
furmente
furmenties
furmenty
furmeties
furmety
furmint
fusilading
fusile
fusileer
fusileers
fusilier
fusiliers
fusillade
fusilladed
fusillades
fusillading
fusilly
fusils
fusing
fusinist
fusinite
fusion
fusional
fusionism
fusionist
fusionless
fusions
fusk
fusobacteria
fusobacterium
fusobteria
fusoid
fuss
fussbudget
fussbudgets
fussbudgety
fussed
fusser
fussers
fusses
fussier
fussiest
fussification
fussify
fussily
fussiness
fussing
fussle
fussock
fusspot
fusspots
fussy
fust
fustanella
gabbards
gabbart
gabbarts
gabbed
gabber
gabbers
gabbier
gabbiest
gabbiness
gabbing
gabble
gabbled
gabblement
gabbler
gablurers

gubbles
gabbling
gabro
gabbroic
gabbroid
gabbroitic
gabbros
gabby
gabler
gabelle
gabelled
gabelleman
gabeller
gabelles
gabendum
gaberdine
gaberdines
gaberloorie
gaberlouning
gabert
gabfest
gabests
gagbog
gabi
gabies
gabion
gabilonade
gabionage
gabioned
gabions
gablators
gable
gableboard
gaffing
gaffle
gaffs
gaffsail
gaffsman
gag
gaga
gagaku
gagate
gage
gageable
gaged
gagee
gageite
gagelike
gager
gagers
gagership
gages
gagged
gagger
gaggers
gagcery
gagging
gaggle
gaggled
gagglers
goggles
gagglung
gaging
gagman
gagmen
gagor
gagroot
gags
gagster
gagsters
gagtooth
gagwriter
gahnite
gahnites
gaiassa
gaieties
gaiety
gail
gaillard
gaillardia
gaily
gain
gainable
gainage
gainbirth
gaincall
gaincome
gaincope
gaine
gained
gainer
gainers
gainful
gainfully
gainfulness
gaigngiving
gaining
gainings
gainless
gainlessness
gainlier
gainliest
gainliness
gainly
gainor
gainpain
gains
gainsaid
gainsay
gainsayer
gainsayers
gainsaying
gainsays
gainset
gainsome
gainspeaker
gainspeaking
gainst
gainstand
gainstrive
gainturn
gaintwist
gainward
gainyields
gair
gairfish
gairfowl
gaisling
gaist
gait
gaited
gaiter
gaiterless
gaiters
gaiting
gaits
gait
gaius
gaize
gaj
gal
gala
galabeh
galabia
galabieh
galabia
agalactagog
galactagogue
galactagoguic
galactan
galactase
galactemia
galacthidrosis
galactic
galactically
galactidrosis
galactin
galactite
galactocele
galactodendron
galactodensimeter
galactogenetic
galactogogue
galactohemia
galactoid
galactolipide
galactolipin
galactolysis
galactolytic
galactoma
galactometer
galactometry
galactonic
galactopathy
galactophagist
galactophagous
galactophlebitis
galactophylsis
galactophore
galactophoritis
galactophorous
galactophthysis
galactophygous
galactopoiesis
galactopoietic
galactopyra
galactorrhea
galactorrhoea
galactosamine
galactosan
galactoscope
galactose
galactosemia
galactosemic
galactosidase
galactoside
galactosis
galactostasis
galactosuria
galactosyl
galactotherapy
galactotrophy
galacturia
galagala
galago
galagos
galah
galahad
galahads
galahs
galanas
galanga
galangal
galangals
galangin
galant
galante
galantine
galantuomo
galany
galapago
galapee
galas
galatea
galateas
galatians
galatine
galatotrophic
galavant
galavanted
galavanting
galavants
galax
galaxies
galaxian
galaxies
galaxy
galaxy's
galban
galbanum
galbanums
galbe
galbraithian
galculus
gale
galea
galeae
galeage
galeas
galeass
galeate
galeated
galeche
galee
galeenies
galeeny
galegine
galeid
galeiform
galempong
galempong

galen
galena

galenas

galenic
galenical
galenism

galenist
galenite
galenites
galenobismutite
galenoid
galeod
galeoid
galeopithecus
galeproof
galera
galere
galeres
galericulate
galerie
galerite
galerum
galerus
gales
galesaur
galet
galette
galewort
galey
galgal
gali
galianes
galilean
galilee
galilee
galilei
galileo
galimatias
galinaceous
galingale
galiongee
galionji
galiot
galiots
galipidine
galipine
galipoidin
galipoidine
galipoipin
galipot
galipots
galium
galivant
galivanted
galivanting
galivants
galjoen
gall
galla
gallacetophenone
galleypot
galleys
galleyworm
gallflies
gallflower
gallfly
galliambic
galliambus
gallian
galliard
galliardise
galliardize
galliardly
galliardness
galliards
galliass
galliasses
galic
gallican
gallicanism
gallicism
gallicisms
gallicization
gallicize
gallicizer
gallicola
gallicole
gallicolous
gallied
gallies
galliferous
gallification
galliform
galligaskin
galligaskins
gallimata
gallimaufries
gallimaufry
gallinacean
gallinaceous
gallinaginous
gallinazo
galline
galliney
galling
gallingy
gallingness
gallinipper
gallinule
gallinulelike
gallinules
gallinuline
galliot
galliots
gallipot
gallipots
gallish
gallisn
gallium
galliums
gallivant
gallivanted
gallivanter
gallivanters
gallivanting
gallivants
gallivat
gallivorous
galliwas

gallize
gallnut
gallnuts
gallocyanin
gallocyanine
galloflavin
galloflavine
galloglass
gallon
gallon's
gallonage
galloner
gallons
galloon
gallooned
galloons
galoot
galloots
gallop
gallopade
galloped
galloper
gallopers
gallophile
galloping
gallops
galloptious
gallotannate
gallotannic
gallotannin
gallous
gallow
galloway
gallowglass
gallows
gallowses
gallowsmaker
gallowsness
gallowsward
galls
gallstone
gallstones
galluot
gallup
galluptious
gallus
gallused
galluses
gallweed
gallwort
gally
gallybagger
gallybeggar
gallycrow
gallygaskins
gallying
gallywasp
galoch
galoot
galoots
galop
galopade
galopades
galoped
galopin
galoping
galops
galore
galores
galosh
galoshe
galoshed
galoshes
galoubet
galp
galravage
galravitch
gals
galt
galtrap
galuchat
galumph
galumphed
galumphing
galumphs
galumptious
galut
galuth
galv
galvanic
galvanical
galvanically
galvanisation
galvanise
galvanised
galvaniser
galvanising
galvanism
galvanist
galvanization
galvanizations
galvanize
galvanized
galvanizer
galvanizers
galvanizes
galvanizing
galvanocauteries
galvanocauterization
galvanocautery
galvanococontractility
galvanofaradization
galvanoglyph
galvanoglyphy
galvanograph
galvanographic
galvanography
galvanologist
galvanology
galvanolysis
galvanomagnet
galvanomagnetic
galvanomagnetism
gambadoes
gambados
ghambang
gambas
ganbe
gambeer
gambeered
gambeering
gambelli
gambes
gambeson
gambesons
gambet
gambetta
gambette
gambia
gambiae
gambian
gambians
gambias
gambier
gambiers
gambir
 gambir
gambir
gambists
gambist
gambit
gambits
gamble
 gambled
 gambler
gamblers
gambles
gamblesome
gamblesomeness
 gambling
 gambodic
gamboge
gamboges
gambogian
gambogic
gamboised
gambol
gamboled
gamboler
gamboling
 gambolled
gamboller
gambolling
gambols
gambone
gambrel
gambrelled
gambrelled
gambrels
gambroon
gamb
gamusia
gambusias
gamdeboo
gamdia
game
gamebag
gameball
gamecock
gamecocks
gamecraft
gamed
gameful
gamekeeper
gamekeepers
gamekeeping
gamelan
gamelang
gamelans
gameless
gamelike
gamelin
gamelote
gamelotte
gamely
gamene
gameness
gamenesses
gamer
games
gamesman
gamesmanship
gamesome
gamesomely
gamesomeness
gamest
gamester
gamesters
gamestress
gametal
gametange
gametangia
gametangium
gamete
gametes
gametic
gametically
gametocyst
gametocyte
gametogenesis
gametogenic
gametogenous
gametogeny
gametogonium
gametogony
gametoid
gametophagia
gametophobia
gametophore
gametophoric
gametophyll
gametophyte
gametophytic
gamey
gamgee
gamgia
gamic
gamier
gamiest
gamily
gamin
gamine
gamines
gaminesque
gaminesse
gaminesses
gaming
gamings
gaminish
gamins
gamma
gammacism
gammacismus
gammadia
gammadion
gammarid
gammarine
gammaroid
gammas
gammation
gammed
gammelost
gammer
gammerel
gammers
gammerstang
gammexane
gammick
gamming
gammock
gammon
gammoned
gammoner
gammoners
gammoning
gammons
gammy
gamobium
gamodeme
gamodemes
gamodesmic
gamodesmy
gamogamy
gamogenesis
gamogenetic
gamogenetical
gamogenetically
gamogeny
gamogony
gamomania
gamond
gamone
gamont
gamopetalous
gamophagia
gamophagy
gamophyllous
gamori
gamosepalous
gamostele
gamostelic
gamostely
gamotropic
gamotropism
gamp
gamphrel
gamps
gangetic
gangflower
ganggang
gangling
ganglion
gangism
gangland
ganglander
ganglands
ganglia
gangliac
gangliad
gangliar
gangliasthenia
gangliate
gangliated
gangliectomy
ganglier
gangliest
gangliiform
gangliglia
gangliglions
gangliitis
gangling
ganglioblast
gangliocyte
ganglioform
ganglioid
ganglioma
gangliomas
gangliomata
ganglion
ganglionlyary
ganglionate
ganglionated
ganglionectomies
ganglionectomy
ganglioneural
ganglioneure
ganglioneuroma
ganglioneuron
ganglionic
ganglionitis
ganglionless
ganglions
ganglioplexus
ganglioside
gangly
gangman
gangmaster
gangplank
gangplanks
gangplow
gangplows
gangrel
gangrels
gangrenate
gangrene
gangrened
gangrenes
gangrenescent
gangrening
gangrenous
gangs
gangsap
gangshag
gangsman
gangster
gangster's
gangsterism
gangsters
gangtide
gangue
gangues
gangwa
gangway
gangwayed
gangwayman
gangwaymen
gangways
ganister
ganisters
ganja
ganjas
ganner
gannet
gannetry
gannets
gannister
ganoblast
ganocephalan
ganocephalous
ganodont
ganof
ganofs
ganoid
ganoidal
ganoidean
ganoidian
ganoids
ganoin
ganoine
ganomalite
ganophyllite
ganoses
ganosis
gansa
gansel
ganser
gansey
gansy
gant
ganta
gantang
gantangs
gantelope
gantlet
gantleted
gantleting
gantlets
gantline
gantlines
gantlope
gantlopes
ganton
gantries
gantry
gantryman
gantsl
ganyie
ganymede
ganymedes
ganza
ganzie
gaol
gaolage
gaolbird
gaoled
gaoler
gaolering
gaolerness
gaolers
gaoling
gaoloring
garb
garbage
garbage's
garbage's
garbanzo
garbanzos
garbardine
garbed
garbel
garbell
garbile
garbing
garble
garbleable
garbled
garbler
garbliers
garbles
garbless
garbline
garbling
garblings
garlo
garbo
garboard
garboards
garboil
garboils
garboilist
garbs
garbure
garce
garcon
garcons
gard
gardant
gardbrace
garde
gardebras
gardeen
garden
gardenable
gardencraft
gardened
gardener
gardeners
gardenership
gardenesque
gardenful
gardenhood
gardenia
gardenias
gardening
gardenize
gardenless
gardenlike
gardenly
gardenmaker
gardenmaking
gardens
gardenwards
gardenwise
gardeny
garderobe
gardeviance
gardevin
gardevisure
gardinol
gardnap
gardon
gardy
gardyloo
gare
garefowl
garefowls
gareh
gareth
garetta
garewaite
garfield
garfish
garfishes
garg
gargalize
garganey
garganeys
gargantua
gargantuan
gargarism
gargarize
garget
gargets
gargety
gargil
gargle
gargled
gargler
garglers
gargles
gargling
gargol
gargoyle
gargoyled
gargoyles
gargoyley
gargoylish
gargoylishly
gargoylimism
garial
gariba
garibaldi
garigue
garish
garishly
garishness
garland
garlandage
garlanded
garlanding
garlandless
garlandlike
garlandry
garlands
garlandwise
garle
garlic
garlicky
garliclike
garlicmonger
garlics
garlicwort
garlion
garlopa
garment
garment's
garmented
garmenting
garmentless
garmentmaker
garments
garmenture
garmentworker
garn
gamel
garcer
garerage
garnered
garnering
gamers
garnet
garnetberry
gameter
garnetiferous
garnetlike
garnets
gamett
garnetter
garnetwork
gametz
garni
garnice
garniec
garnierite
garnish
garnishable
garnished
garnishee
garnisheed
garnisheing
garnisheement
garnishees
garnisheing
garnisher
garnishes
garnishing
garnishment
garnishments
garnishry
garnison
garniture
garnitures
garon
garoo
garookuh
garote
garoted
garoter
garotes
garoting
garotte
garotted
garotter
garotters
garottes
garotting
garous
garpike
garpikes
garrafa
garran
garrat
garred
garet
garreted
garreteer
garretmaster
garrets
garrick
garridge
garrigue
garring
garrison
garrisoned
garrisoning
garrisons
garnishable
garron
garrons
garroo
garrooka
garrot
garrote
garroted
garroter
garroters
garrotes
garrotting
garrotte
garrotted
garrotter
garrottes
garrotting
garruline
garrulity
garrulous
garrulously
garrulousness
garrupa
garrya
gars
garse
garsil
garston
garten
garter
garter's
gartered
gartering
garterless
garters
garth
garthman
garths
garua
garum
garvance
garvanzo
garvey
garveys
garvie
garvock
gary
gas
gas's
gasalier
gasaliers
gasbag
gasbags
gasboat
gascheck
gascoign
gascoigny
gascon
gasconade
gasconaded
gasconader
gasconading
gasconism
gascons
gascoyne
gascromh
gaseity
gaselier
gaseliers
gaseosity
gaseous
gaseously
gaseousness
gases
gasfiring
gash
gash's
gashed
gasher
gashes
gashest
gashful
gashing
gashliness
gashly
gashholder
gashouse
gashouses
gashy
gasifiable
gasification
gasified
gasifier
gasifiers
gasifies
gasiform
gasify
gasifying
gasket
gaskets
gakin
gasking
gaskings
gaskins
gasless
gaslight
gaslighted
gaslighting
gaslightness
gaslights
gaslike
gaslit
gaslock
gasmaker
gasman
gasmen
gasmetophytic
gasogen
gasogene
gasogenes
gasogenic
gasohol
gasolene
gasolenes
gasolier
gasoliers
gasoliery
gasoline
gasolineless
gasoliner
gasolines
gasolinic
gasometer
gasometric
gasometrical
gasometrically
gasometry
gasoscope
gasp
gasparillo
gasped
gasper
gaspereau
gaspereaus
gaspergou
gaspergous
gaspers
gaspiness
gasping
gaspingly
gasproof
gasps
gaspy
gassed
gassendist
gasser
gasserian
gassers
gasses
gassier
gassiest
gassiness
gassing
gassings
gassit
gassy
gast
gastaldite
gastaldo
gasted
gaster
gasteralgia
gasteria
gasteromycete
gasteromycetous
gasteropod
gasteropoda
gasterosteid
gasterosteiform
gasterosteoid
gasterotheca
gasterothecal
gasterotrichan
gasterozooid
gastful
gasthaus
gasthaner
gasthanes
gastight
gastightness
gasting
gastly
gastness
gastnesses
gastradenitis
gastraea
gastraead
gastraenal
gastraenas
gastraenum
gastral
gastralgia
gastralgc
gastralgy
gastraneuria
gastrasthenia
gastratrophia
gastraea
gastraeas
gastracacia
gastracasia
gastracatis
gastracatosis
gastracatosis
gastracatomies
gastracatomy
gastralcosis
gastric
gastricism
gastrilegous
gastriloquial
gastriloquism
gastriloquist
gastriloquous
gastriloquy
gastrimargy
gastrin
gastrins
gastritic
gastritis
gastroadenitis
gastrodynamic
gastroalbuminorrhea
gastroanastomosis
gastroarthritis
gastroatonia
gastroatrophia
gastroblennorrhea
gastrocatarrhal
gastrocele
gastrocentrous
gastrocnemial
gastrocnemian
gastrocnemii
gastrocnemius
gastrocoel
gastrocoele
gastrocolic
gastrocoloptosis
gastrocolostomy
gastrocolotomy
gastrocolpotomy
gastrocystic
gastrocystis
gastrodermal
gastrodermis
gastrodialysis
gastrodiaphanoscopy
gastrodidymus
gastrodisc
gastrodisk
gastroduodenal
gastroduodenitis
gastroduodenoscopy
gastroduodenostomies
gastroduodenostomy
gastroduodenotomy
gastrodynia
gastroelytrotomy
gastroenteralgia
gastroenteric
gastroenteritic
gastroenteritis
gastroenteroanastomosis
gastroenterocolitis
gastroenterocolostomy
gastroenterologic
gastroenterologically
gastroenterologist
gastroenterologists
gastroenterology
gastroenteroptosis
gastroenterostomies
gastroenterostomy
gastroenterotomy
gastroepiploic
gastroesophageal
gastroesophagogastrotomy
gastrogastrotomy
gastrogenic
gastrogenital
gastrogenous
gastrograph
gastrohelcosis
gastrohepatic
gastrohepatitis
gastrohydrorrhea
gastrohyperneuria
gastrohypertonic
gastrohysterectomy
gastrohysteropexy
gastrohysterorrhaphy
gastrohysterotomy
gastroid
gastrointestinal
gastrojejunal
gastrojejunostomies
gastrojejunostomy
gastrolater
gastrolatrous
gastrolavage
gastrolienal
gastroliith
gastrologer
gastrological
gastrologically
gastrologist
gastrologists
gastrology
gastrolysis
gastrolytic
gastromalacia
gastromancy
gastromelus
gastromenia
gastromycetes
gastromycosis
gastromyxorrhea
gastronephritis
gastronome
gastronomer
gastronomes
gastronomic
gastronomical
gastronomically
gastronomics
gastronomist
gastronomy
gastronosus
gastropancreatic
gastropancreatitis
gastroparalysis
gastroparesis
gastroparietal
gastropathic
gastropathy
gastroperiodyenia
gastropexy
gastrophile
gastrophilism
gastrophilist
gastrophilite
gastrophrenic
gastrophthisis
gastroplasty
gastroplenic
gastropleuritis
gastropllication
gastropneumatic
gastropneumonic
gastropod
gastropodan
gastropodous
gastropods
gastropore
gastroptosia
gastroptosis
gastropulmonary
gastropulmonic
gastropyloric
gastrorrhagia
gastrorrhaphy
gastrorrhea
gastrochisis
gastroscope
gastroscopic
gastroscopies
gastroscopist
gastroscopy
gastrospoph
gastrospopher
gastrospophy
gastrospasm
gastrospenic
gastrostaxis
gastrostegal
gastrostege
gastrostenosis
gastrostomies
gastrostomize
gastrostomy
gastrosuccorhrea
gastrotaxis
gastrotheca
gastrothechal
gastrotome
gastrotomic
gastrotomies
gastrotomy
gastrotrich
gastrotrichan
gastrotubotomy
gastrotymanites
gastrovascular
gastroxynsis
gastrozooid
gastrula
gastrulae
gastrular
gastrulas
gastrulate
gastrulated
gatherable
gathered
gatherer
gatherers
gathering
gatherings
gathers
gatherum
gating
gatling
gator
gats
gatsby
gatten
gatter
gatteridge
gattine
gau
gaub
gaubby
gauche
gauchely
gaucheness
gaucher
gaucerie
gaucherites
gauchest
gauch
gauches
gauchie
gaucy
gaud
gaudeamus
gaudeamusues
gauderies
gaudery
gauful
gaudier
gaudies
gaudiest
gaudily
gaudiness
gaudish
gaudless
gauds
gaudsman
gaudy
gauf
gauffer
gauffered
gaufferer
gauffering
gauffers
gauffre
gauffred
gaure
gaufrette
gaufrettes
gauge
gaugeable
gaugeably
gauged
gauger
gaugers
gaugership
gauges
gauging
gauly
gaun
gaul
gaulding
gauldier
gaulin
gaulish
gaulism
gauloiserie
gauls
gaulish
gault
gaulter
gaultherase
gaultheria
gaultherin
gaultherine
gaults
gaum
gaumed
gauming
gaumish
gaumless
gaumlike
gaums
gaumy
gaun
gaunch
gaunt
geisothermal
giessospermin
giessospermine
giist
giistlich
giitjie
giitonogamous
giitonogamy
giikkonid
giikkonoid
gel
gel's
gelable
gelada
geladas
gelandejump
gelandelauffer
gelandesprung
gelant
gelants
gelastic
gelate
gelated
gelates
gelatia
gelatification
gelatigenous
gelatin
gelatinate
gelatinated
gelatinating
gelatination
gelatine
gelatined
gelatines
gelating
gelatiniferous
gelatiniform
gelatinify
gelatinigerous
gelatinisation
gelatinise
gelatinised
gelatiniser
gelatinising
gelatinity
gelatinizability
gelatinizable
gelatinization
gelatinize
gelatinized
gelatinizer
gelatinizing
gelatinobromide
gelatinochloride
gelatinoid
gelatinotype
gelatinous
gelatinously
gelatinousness
gelatins
gelation
gelations
gelatose
geld
geldability
geldable
geldant
gelded
gelder
gelders
geldesprung
gelding
geldings
gelds
gelechiid
gelee
geleem
gelees
gelid
gelidities
gelidity
gelidly
gelidness
gelignite
gelilah
gelinotte
gell
gellant
gellants
gelled
gelling
gelly
gelndesprung
gelofer
gelofre
gelogenic
gelong
geloscropy
gelose
gelosie
gelosin
gelosine
gelotherapy
gelotometer
gelotoscopy
gelototherapy
gels
gelsemia
gelsemic
gelsemin
gelsemine
gelseminic
gelseminine
gelsemium
gelsemiumia
gelsemiums
gelt
gelts
gem
gem's
gemara
gematria
gematrical
gematriot
gemauve
gemeinde
gemeinschaft
gemeinschaften
gemel
gemeled
gemelled
gemellion
gemellione
gemellus
gemels
geminal
geminally
geminate
geminated
geminately
geminates
geminating
gemination
geminations
geminative
gemini
geminiflorous
geminiform
geminis
geminorum
geminous
gemitorial
gemless
gemlich
gemlike
gemma
gemmaceous
gemmae
gemman
gemmary
gemmate
gemmated
gemmates
gemmating
gemmation
gemmative
gemmed
gemmel
gemmeous
gemmer
gemmery
gemmier
gemmiest
gemmiferous
gemmiferousness
gemmification
gemmiform
gemmily
gemminess
gemming
gemmipara
gemmipares
gemmiparity
gemmiparous
gemmiparously
gemmoid
gemmological
gemmologist
gemmologists
gemmology
gemmula
gendarmes
gender
gender's
gendered
genderer
gendering
genderless
genders
gene
gene's
geneal
genealogic
genealogical
genealogically
genealogies
genealogist
genealogists
genealogize
genealogizer
genealogy
genear
genearch
geneat
genealogic
genealogical
genealogically
genealogist
genealogy
genecor
geneki
genep
genepi
genera
generability
generable
generableness
general
generalate
generacies
generalcy
generale
generalia
generalic
generalisable
generalisation
generalise
generalised
generaliser
generalising
generalism
generalissima
generalissimo
generalissimos
generalist
generalist's
generalistic
generalists
generaliter
generalities
generality
generalizable
generalization
generalization's
generalizations
generalize
generalizeable
generalized
generalizer
generalizers
generalizes
generalizing
generall
generally
generalness
generals
generalship
generalships
generality
generant
generate
generated
generater
generates
generating
generation
generational
generationism
generations
generative
generatively
generativeness
generator
generator's
generators
generatrices
generatrix
generic
generical
generically
genericalness
genericness
generics
generification
generis
generosities
generosity
generosity's
generous
generously
generousness
genes
geneserin
geneserine
geneses
genesial
genesic
genesiology
genesis
genesiurgic
genet
genethliac
genethliacal
genethliacally
genethliacism
genethliacon
genethliacs
genethliologic
genethliological
genethlialogy
genethliatic
genethlic
genetic
genetical
genetically
geneticism
geneticist
geneticists
genetics
genetika
genetmoil
genetoid
genetor
genetous
 genetrix
genets
genette
genettes
geneva
genevan
genevas
genevese
genevoise
genghis
genial
geniality
genialize
genially
genialness
genian
genic
genically
genicular
geniculate
geniculated
geniculately
geniculation
geniculum
genie
genies
genii
genin
genio
genioglossal
genioglossi
genioglossus
geniohyoglossal
geniohyoglossus
geniohyoid
geniolatry
genion
genioplasty
genip
genipa
genipap
genipapada
genipaps
genips
genisaro
genista
genistein
genistín
genit
genital
genitalia
genitalial
genitalic
genitally
genitals
geniting
genitival
genitivally
genitive
genitives
genitocrural
genitofemoral
genitor
genitorial
genitors
genitory
genitourinary
geniture
genitures
genius
genius's
geniuses
genizah
genizero
genl
genoa
genoas
genoblast
genoblastic
genocidal
genocide
genocides
genoese
genoise
genom
genome
genomes
genomic
genoms
genonema
genophobia
genos
ogenspecies
genotype
genotypes
genotypic
genotypical
genotypically
genotypicity
genouillere
genovino
genre
genre's
genres
genro
genros
gens
genseng
gensengs
genson
gent
gentamicin
genteel
genteeler
genteelest
genteelish
genteelism
genteelize
genteelly
genteelness
gentes
genthite
gentian
gentianaceous
gentianal
gentianella
gentianic
gentianin
gentianose
gentians
gentianwort
gentiin
gentil
gentile
gentiledom
gentiles
gentilesse
gentilhomme
gentilic
gentilish
gentilism
gentilitial
gentilitian
gentilities
gentilitious
gentility
gentilization
gentilize
gentiobiose
gentiopicrin
gentisate
gentisein
gentisic
gentisin
gentium
gentle
gentled
gentlefolk
gentlefolks
gentlehearted
gentleheartedly
gentleheartedness
gentlehood
gentleman
gentlemanhood
gentlemanism
gentlemanize
gentlemanlike
gentlemanlikeness
gentlemanliness
gentlemen
gentlemens
gentlemouthed
gentleness
gentlepeople
gentler
gentles
gentleship
gentlest
gentlewoman
gentlewomanhood
gentlewomanish
gentlewomanlike
gentlewomanliness
gentlewomen
gentling
gently
gentman
gentoo
gentrice
gentrices
gentries
gentrification
gentry
gents
genty
genu
genua
genual
genuclast
genuflect
genuflected
genuflecting
genuflection
genuflections
genuflector
genuflectory
genuflects
genuflex
genuflexion
genuflexuous
genuine
genuinely
genuineness
genupectoral
gen
genres
genyantrum
genyoplasty
genyplasty
genys
geo
geoaesthesia
geoagronomic
geobiologic
geobiology
geobiont
geobios
geoblast
geobotanic
geobotanical
geobotanically
geobotanist
geobotany
geocarpic
geocentric
geocentrically
geocentricism
geocerite
geochemical
geochemically
geochemist
geochemistry
geochemists
gEOchronic
gEOchronologic
gEOchronological
gEOchronologically
gEOchronologist
gEOchronology
gEOchronometric
gEOchronometry
gEOchrony
gEOcline
gEOcoronium
gEOcratic
gEOcronite
gEOcyclic
gEOd
gEOdaesia
gEOdal
gEOde
gEOdes
gEOdesia
gEOdesic
gEOdesical
gEOdesics
gEOdesies
gEOdesist
gEOdesists
gEOdesy
gEOdete
gEOdetic
gEOdetical
gEOdetically
gEOdetician
gEOdetics
gEOdiatropism
gEOdic
gEOdiferous
gEOdist
gEOduck
gEOducks
gEOdynamic
gEOdynamical
geodynamicist
geodynamics
geoemtry
geoethnic
goeffroyin
goeffroyine
geoform
gelog
geogen
geog
geogenetic
geogenic
geogenous
geogeny
geoglyphic
geognosies
geognosis
geognosist
geognost
geognostic
geognostical
geognostically
geognosy
geogonic
geogonical
geogony
geographer
geographers
geographic
geographical
geographically
geographics
geographies
geographism
geographize
geographized
geography
geohydrologic
geohydrologist
geohydrology
geoid
geoidal
geoids
geoisotherm
geol
geolatry
geolinguistics
geologer
geometricize
geometrid
geometries
geometriform
geometrine
geometrise
geometrised
geometrising
geometrize
geometrized
geometrizing
geometroid
gometry
geomoroi
geomorphic
geomorphist
geomorphogenic
geomorphogenist
geomorphogeny
geomorphologic
geomorphological
geomorphologically
geomorphologist
geomorphology
gemorphy
gemmyd
geonavigation
geonegative
geonoma
geonycinastic
geonycitropic
geparallelotropic
gephagia
gephagies
gephagism
gephagist
gephagous
gephagy
gephilid
gephilous
gephone
gephones
gephysical
gephycally
gephysicist
gephycists
gephycics
gephyte
geophytes
geophytic
geoplagnetropism
gepolar
gepolitic
gepolitical
gepolitically
gepolitician
gepolities
gepolitist
geponic
geponical
geponics
gepony
gepositive
gepotential
gearama
gearie
gearge
geargette
geargia
geargiadesite
geargian
geargians
geargic
geargical
geargics
geargium
gescience
gescientist
gescientists
gescopic
gescopy
gescelenic
gesarid
geside
gesphere
gestatic
gestatics
gestationary
gestategic
gestategist
gestrategy
gestrophic
gestrophically
gest synchronous
gestynclinal
gestyncline
geosynclines
geotactic
geotactically
geotaxes
geotaxis
geotaxy
geotechnic
geotechnics
geotectology
geotectonic
geotectonically
geotectonics
g e o t h e r m
g e o t h e r m a l
g e o t h e r m a l l y
g e o t h e r m i c
g e o t h e r m o m e t e r
g e o t i c
g e o t i c a l
g e o t i l l a
g e o t i c i n
g e o t o n u s
g e o t r o p i c
g e o t r o p i c a l l y
g e o t r o p i s m
g e o t r o p y
g e o t y
g e p h y r e a n
g e p h y r o c e r c a l
g e p h y r o c e r c y
g e p h y r o p h o b i a
g e p o u n
g e r
g e r a e r a
g e r a h
g e r a h s
g e r a l d
g e r a n i a c e o u s
g e r a n i a l
g e r a n i a l s
g e r a n i c
g e r a n i n
g e r a n i o l
g e r a n i o l s
g e r a n i u m
g e r a n i u m s
g e r a n o m o r p h
g e r a n o m o r p h i c
geranyl
gerara
gerardia
gerardias
gerastian
gerate
gerated
gerately
geratic
geratologic
geratologous
geratology
geraty
gerb
gerbe
gerbera
gerberas
gerbil
gerbille
gerbilles
gerbils
gerbo
gercrow
gere
geragle
gerefa
gerenda
gerendum
gerent
gerents
gerenuk
gerenuks
gerfalcon
gerful
gerhardtite
geriatric
geriatrician
geriatrics
geriatrist
gerim
gerip
gerkin
gerland
germ
germ's
germain
germal
german
german's
germander
germane
germanely
germaneness
germanic
germanies
germanious
germanism
germanist
germanite
germanity
germanium
germaniums
germanization
germanize
germanized
germanous
germans
germantown
germany
germanyl
germarium
germen
germens
germfree
germicidal
germicide
germicides
germiculture
germier
germiest
germifuge
germise
germinous
germin
germina
germinability
germinable
germinal
germinally
germinance
germinancy
germinant
germinate
germinated
germinates
germinating
germination
germinational
germinations
germinative
germinatively
germinator
germing
germiniparous
germinogony
germiparity
germinparous
germless
germlike
germling
germon
germproof
germs
germule
germy
gernative
germitz
geroconia
gerocomial
gerocomy
geroderma
gerodermia
gerodontia
gerodontic
gerodontics
gerodontology
geromorphism
geronomite
geront
gerontal
gerontes
gerontic
gerontine
gerontism
geronto
gerontocracies
gerontocracy
gerontocrat
gerontocratic
gerontogeous
gerontologic
gerontological
gerontologies
gerontologist
gerontologists
gerontology
gerontomorphosis
gerontophilia
gerontotherapies
gerontotherapies
gerontoxon
geropiga
gerousia
gerhosauroid
gerrymander
gerrymandered
gerrymanderer
gerrymandering
gerrymanders
gers
gersdorffite
gersum
gertrude
gerund
gerundial
gerundially
gerundival
gerundive
gerundively
gerunds
gerusia
gervais
gervao
gery
gerygone
geryon
geryonid
gesellschaft
gesellschaften
gesith
gesithcund
gesithcundman
gesling
gesneraceous
gesnerad
gesneria
gesneraceous
gesning
gess
gessamine
gesseron
gesso
gessoes
gest
gestae
gestalt
gestalten
gestalter
gestaltist
gestals
gestant
gestapo
gestapos
gestate
gestated
gestates
gestating
gestation
gestational
gestations
gestative
gestatorial
gestatorium
gestatory
geste
gested
gsten
gestening
gester
gestes
gestic
gestical
gesticulous
gesticulant
gesticular
gesticularious
gesticulate
gesticulated
gesticulates
gesticulating
gesticulation
gesticulations
gesticulative
gesticulatively
gesticulator
gesticulatory
gestio
gestion
gestning
gestonie
geulah
geum
geumatophobia
geums
gewgaw
gewgawed
gewgawish
gewgawry
gewgaws
gewgawy
gey
geyan
geyerite
gelyes
geyser
geyseral
geyseric
geyserine
geyserish
geyserite
geyzers
gez
gezerah
ggr
ghaffir
ghafir
ghain
ghaist
ghalva
ghana
ghanian
ghanaians
ghanian
gharial
gharnao
gharri
gharries
gharris
gharry
ghast
ghastful
ghastfully
ghastfulness
ghastily
ghasttier
ghastliest
ghastlily
ghastliness
ghastly
ghat
ghats
ghatti
ghatwal
ghatwazi
ghaut
ghauts
ghawazee
ghawazi
ghazal
ghazel
ghazi
ghazies
ghazis
ghazism
ghbor
gheber
ghebeta
ghee
ghees
gheleem
ghenting
gherao
gheraoed
gheraoes
gheraoing
gherkin
gherkins
ghess
ghetchoo
ghetti
ghetto
ghettoed
ghettoes
ghettoing
ghettoization
ghettoize
ghettoized
ghettoizes
ghettoizing
ghettos
ghi
ghibelline
ghibellinism
ghibli
ghiblis
ghillie
ghoulery
ghoulie
ghoulish
ghoulishly
ghoulishness
ghouls
ghrush
ghurry
ghyll
ghylls
gi
giallolino
giambeux
giansar
giant
giant's
giantesque
giantess
giantesses
gianthood
giantish
giantism
giantisms
giantize
giantkind
giantlike
giantlikeness
giantly
giantry
giants
giantship
giantsize
giaour
giaours
giardia
giardiasis
giarra
giarre
gib
gibaro
gibbals
gibbar
gibbartas
gibbed
gibber
gibbered
gibberellin
gibbergunyah
gibbering
gibberish
gibberose
gibberosity
gibbers
gibbert
gibbet
gibbeted
gibbetting
gibbets
gibbetted
gibbetting
gibbetwise
gibbler
gibbing
gibbled
gibblic
gibblicable
gibblicable

gibblicable

gibbles
gibbol
gibbon
gibbons
gibbose
gibbosely
gibboseness
gibbosities
gibbosity
gibbous

gibbous

gibbous

gibbousness
gibbsite
gibbsites
gibbus

gibby

gibe

gibed

gibel

gibelite

gibeonite

giber

gibers

gibes

gibetting

gibier

gibing

gibingly

gibleh
giftbook
gifted
giftedly
giftedness
giftie
gifting
giftless
giftlike
giftling
gifts
gifture
giftware
giftwrap
giftwrapping
gig
giga
gigabit
gigabits
gigabyte
gigabytes
gigacycle
gigadoid
gigahertz
gigahertzes
gigaherz
gigamaree
gigameter
gigant
gigantal
gigantean
gigantesque
gigantic
gigantical
gigantically
giganticidal
giganticide
giganticness
gigantine
gigantism
gigantize
gigantoblast
gigantocyte
gigantolite
gigantological
gigantology
gigantomachia
gigantomachy
gigantostracan
gigantostracous
gigartinaceous
gigas
gigasecond
gigaton
gigatons
gigavolt
gigawatt
gigawatts
gigback
gigelira
igeria
igeria
igidgerium
igidful
igidge
gigged
gigger
gigget
igidging
igidghish
giggit
igidgle
gigged
giggedom
gigglement
igidgler
igidglers
igidgles
igidglesome
igidgliier
igidgliest
igidgling
igidglingly
igidglish
igidggly
igidhe
igidlet
igidlets
igidliato
igidlio
igidlot
igidlots
igidman
igidmaneness
igidmanhood
igidmania
igidmanic
gigmanically
gilt
giltcup
gilten
gilthead
giltheads
gilts
gilttail
gilty
gilver
gim
gimbal
gimbaled
gimbaling
gimbaljowed
gimballed
gimballing
gimbals
gimbawawed
gimberjawed
gimble
gimblet
gimbri
gimcrack
gimcrackery
gimcrackiness
gimcracks
gimcracky
gimel
gimels
gimlet
gimleted
gimletayed
gimleting
gimlets
gimley
gimmal
gimmaled
gimmals
gimme
gimmer
gimmeringly
gimmerpet
gimmick
gimmick's
gimmicked
gimmickery
gimmicking
gimmickry
gimmicks
gimmicky
gimmor
gimp
gimped
gimper
gimpier
gimpiest
gimping
gimps
gimpy
gin
gin's
ginep
ginete
ging
gingal
gingall
gingalls
gingals
gingeley
gingeleys
gingeli
gingelies
gingelis
gingellies
gingelis
gingelly
gingely
ginger
gingerade
gingerberry
gingerbread
gingerbreadly
gingered
gingering
gingerly
gingerline
gingerliness
gingerly
gingerness
gingernut
gingerol
gingerous
gingerroot
gingers
gingersnap
gingersnaps
gingerspice
gingerwork
gingerwort
gingery
gingham
ginghamed
ginghams
gingili
gingilis
gingiva
gingivae
gingival
gingivalgia
gingivectomy
gingivitis
gingivoglossitis
gingivolabial
gingko
gingkoes
ingle
ingles
ginglmi
ginglyform
ginglymi
ginglymoarthrodia
ginglymoarthrodial
ginglymodian
ginglymoid
ginglymoidal
ginglymostomoid
ginglymus
ginglyni
gingras
ginhound
ginhouse
gink
ginkgo
ginkgoaceous
ginkgoes
ginks
ginmill
ginn
ginned
ginnel
ginner
ginneries
ginners
ginnery
ginnet
ginney
ginner
ginniest
ginning
ginnings
ginne
ginny
ginorite
gins
ginseng
ginsengs
ginward
ginzoo
ginzoes
gio
giobertite
giocosio
giojoso
giornata
giornate
giottesque
gip
gipon
gipons
gipped
gipper
gipers
gipping
gippo
gippy
gips
gipseian
gipser
gipsied
gipsies
gipsiologist
gipsire
gipsology
gipsy
gipsy's
gipsydom
gipsyesque
gipsyfy
gipsyhead
gipsyhood
gipsyving
gipsyish
gipsyism
girlfriend
girlfriends
girlfully
girlhood
girlhoods
girlie
girlies
girliness
girling
girlish
girlishly
girlishness
girlism
girllike
girlileness
girls
girly
gim
gimal
gimed
gimel
gimie
giming
gims
gimy
giro
giroflore
giron
gironde
girondist
gironny
girons
giros
girosol
girosols
girouette
girouettes
girouettism
girr
girrit
girrock
girse
girsh
girshes
girisle
girt
girted
girth
glacialism
glacialist
glacialize
glacially
glaciaria
glaciarium
glaciate
glaciated
glaciates
glaciating
glaciation
glacier
glacier's
glaciered
glacieret
glacierist
glaciers
glacification
glacify
glacioaqueous
glaciolacustrine
glaciologic
glaciological
glaciologist
glaciologists
glaciology
glacimarine
glaciometer
glacionatant
glacious
glacis
glacises
glack
glacon
glad
gladatorial
gladded
gladden
gladdenened
gladdener
gladdening
gladdens
gladder
gladdest
gladding
gladdon
gladdy
glade
gladelike
gladen
glades
gladeye
gladful
gladfully
gladfulness
gladhearted
gladiate
gladiator
gladiatorial
gladiatorism
gladiators
gladiatorship
gladiatory
gladiatrix
gladier
gladiest
gladify
gladii
gladiola
gladiolar
gladiolas
gladiole
gladioli
gladiolus
gladioluses
gladite
gladius
gladkaite
gladless
gladlier
gladliest
gladly
gladness
gladnesses
gladrags
glads
gladship
gladsome
gladsomely
gladsoneness
gladsummer
gladsoonest
gladstone
gladstonian
gladwin
glady
glaga
glagah
glaeul
glaik
glaiket
glaiketness
glaikit
glaikfitness
glaiks
glair
glaire
glaired
glaireous
glaires
glairier
glairest
glairen
glaireness
glairing
glairs
glairy
glaister
glaistig
glaive
glaived
glaives
glaizie
glaked
glaky
glali
glam
glamberry
glamor
glamorization
glamorizations
glamorize
glamorized
glamorizer
glamorizes
glamorizing
glamorous
glamorously
glamorousness
glamors
glamour
glamoured
glamourie
glamouring
glamourization
glamourize
glamourizer
glamourless
glamourous
glamourously
glamourousness
glamours
glamoury
glance
glanced
glancer
glances
glancing
glancingly
gland
gland's
glandaceous
glandarious
glander
glandered
glanderous
glanders
glandes
glandiferous
glandiform
glanditerous
glandless
glandlike
glands
glandula
glandular
glandularly
glandulation
glandule
glandules
glanduliferous
glanduliform
glanduligerous
glandulose
glandulosity
glandulous
glandulousness
glanis
glans
glar
glare
glared
glissades  
glissading  
glissandi  
glissando  
glissandos  
glisette  
glist  
glisten  
glistened  
glistening  
glisteningly  
glistens  
glister  
glistered  
glistering  
glisteringly  
glisters  
glitch  
glitches  
glitter  
glitterance  
glittered  
glittering  
glitteringly  
glitters  
glittersome  
glittery  
glitz  
gloam  
glaoming  
gloamings  
gloams  
gloat  
gloated  
gloater  
gloaters  
gloating  
gloatingly  
gloats  
glob  
global  
globalism  
globalist  
globalists  
globality  
globalization  
globalize  
globalized
globulicide
globuliferous
globuliform
globulimeter
globulin
globulins
globulinuria
globulite
globulitic
globuloid
globulolysis
globulose
globulous
globulousness
globulysis
globus
globy
glochchidia
glochid
glochideous
glochidia
glochidial
glochidian
glochidiate
glochidium
glochids
glochines
glochis
glockenspiel
glockenspiels
glod
gloea
gloenal
gloeocapsoid
gloeosporiose
glogg
gloggs
glom
glome
glomeli
glomera
glomerate
glomeration
glomeroporphyritic
glomerular
glomerulate
glomerule
glomeruli
glossic
glossier
glossies
glossiest
glossily
glossina
glossinas
glossiness
glossing
glossingly
glossist
glossitic
glossitis
glossless
glossmeter
glossocarcinoma
glossocele
glossocoma
glossocomium
glossocomon
glossodynamometer
glossodynia
glossoepiglottic
glossoepiglottidean
glossograph
glossographer
glossographical
glossography
glossohyal
glossoid
glossokinesthetic
glossolabial
glossolabiolaryngeal
glossolabipharyngeal
glossolalia
glossolalist
glossolaly
glossolaryngeal
glossological
glossologies
glossologist
glossology
glossolysis
glossoncus
glossopalatine
glossopalatinus
glossopathy
glossopetra
glossophagine
glossopharyngeal
glossopharyngeus
glossophobia
glossophorous
glossophytia
glossoplasty
glossoplegia
glossopode
glossopodium
glossoptosis
glossopyrosis
glossorrhaphy
glossoscopia
glossoscopy
glossospasm
glossosteresis
glossotomies
glossotomy
glossotype
glossy
glost
glosts
glottal
glottalite
glottalization
glottalize
glottalized
glottalizing
glottic
glottid
glottidean
glottides
glottis
glottiscope
glottises
glottitis
glottochronological
glottochronology
glottogonic
glottogonist
glottogony
glottologic
glottological
glottologies
glottologist
glottology
glotum
gloucestergloutgloutedgloutingglouts
gloveglovedglovelessglovelike
glovemakerglovemaking
gloveman
glovemen
glovereess
gloversglovesglovey
glovinggloowellowbard
glowbirdglowed
glower
glowered
glowererglowering
gloweringly
glowers
glowfliesglofly
glowingglowingly
glows
glowwormglowwormsgloxinagloxinias
gloynagloze
glozedglozer
glozesglozing
glozingly
gltglubglucaemia
glucagon
glucagons
glucase
glucate
glucemia
glucic
glucid
glucide
glucidic
glucina
glucine
glucinic
glucinium
glucinum
glucinums
gluck
glucke
gluccorticoid
gluccorticord
glucofrangulin
glucogene
glucogenesis
glucogenic
glucokinase
glucokinin
glucolipid
glucolipide
glucolipin
glucolipine
glucolysis
gluconate
gluconeogenesis
gluconeogenetic
gluconeogenic
gluconokinase
glucoprotein
glucosaemia
glucosamine
glucosan
glucosane
glucosazine
glucose
glucosemia
glucoses
glucosic
glucosid
glucosidal
glucosidase
glucoside
glucosidic
glucosidically
glucosin
glucosine
glucosone
glucosulfone
glucosuria
glucosuric
glucuronic
glucuronidase
glucuronide
glue
glued
glueling
gluelike
gluelikeness
gluemaker
gluemaking
glueman
gluepot
gluer
gluers
glues
gluey
gluyness
glug
glugglug
gluhwein
gluier
gluiest
gluily
gluiness
gluing
gluish
gluishness
glum
gluma
glumaceous
glumal
glume
glumelike
glumella
glumes
glumiferous
glumly
glummer
glumnest
glummy
glumness
glumnesses
glumose
glumosity
glumous
glump
glumpier
glumpiest
glumpily
glumpiness
glumpish
glumpy
glunch
glunched
glunches
glunching
glumimie
gluon
glusid
gluside
glut
glutael
glutaeous
glutamate
glutamates
glutamic
glutaminase
glutamine
glutaminic
glutaraldehyde
gutaric
glutathione
glutch
gluteal
glutei
glutelin
glutelins
gluten
glutenin
glutenous
glutens
glutefemoral
glutefinguinal
glutefuperineal
glutetei
glutethimide
gluteus
glyceric
glyceride
glyceridic
glycerin
glycerinate
glycerinated
glycerinating
glycerination
glycerine
glycerinize
glycerins
glycerite
glycerize
glycerizin
glycerizine
glycerogel
glycerogelatin
glycerol
glycerolate
glycerole
glycerolize
glycerols
glycerolyses
glycerolysis
glycerophosphate
glycerophosphoric
glycerose
glyceroxide
glyceryl
glyceryls
glycic
glycid
glycide
glycidic
glycidol
glycin
glycine
glycines
glycinin
glycins
glycocholate
glycocholic
glycocin
glycocoll
glycogelatin
glycogen
glycogenase
glycogenesis
glycogenetic
glycogenic
glycogenize
glycogenolysis
glycogenolytic
glycogenosis
glycogenous
glycogens
glycogeny
glycohaemia
glycohemia
glycol
glycolaldehyde
glycolate
glycolic
glycolide
glycolipid
glycolipide
glycolipin
glycolipine
glycollate
glycolic
glycollide
glycols
glycoluric
glycoluril
glycolyl
glycolylurea
glycolysis
glycolytic
glycolytically
glyconean
glyconeogenesis
glyconeogenetic
glyconic
glyconics
glyconin
glycopeptide
glycopexia
glycopexis
glycoproteid
glycoprotein
glycosaemia
glycose
glycosemia
glycosidase
glycoside
glycosides
glycosidic
glycosidically
glycosin
glycosine
glycosuria
glycosuric
glycosyl
glycosyls
glycuresis
glycuronic
glycuronid
glycuronide
glycyl
glycyls
glyciphyllin
glycyrrhize
glycyrrhizin
glykopectic
glykopexic
glyn
glyoxal
glyoxalase
glyoxalic
glyoxalin
glyoxaline
glyoxilin
glyoxim
glyoxime
glyoxylic
glyph
glyphic
glyphograph
glyphographer
glyphographic
glyphography
glyphs
glyptal
glyptic
glyptical
glyptician
glyptics
glyptodont
glyptodontid
glyptodontoid
glyptograph
glyptographer
glyptographic
gnathitis
gnatho
gnathobase
gnathobasic
gnathometer
gnathonic
gnathonical
gnathonically
gnathonism
gnathonize
gnathophorous
gnathoplasty
gnathopod
gnathopodite
gnathopodus
gnathostegite
gnathostomatous
gnathostome
gnathostomous
gnathotheca
gnatlike
gnatling
gnatoo
gnatproof
gnats
gnatsnap
gnatsnapper
gnatter
gnattier
gnattiest
gnatty
gnatworm
gnaw
gnawable
gnawed
gnawer
gnawers
gnawing
gnawingly
gnawings
gnawn
gnaws
gneiss
gneisses
gneissic
gneissitic
gneissoid
gneissose
gnotobiote
gnotobiotic
gnotobiotically
gnotobiotics
gnow
gns
gnu
gnus
go
goal
goading
goal-like
goads
goadsman
goaster
goaf
goal
goal’s
goallage
goaled
goalee
goaler
goalers
goalie
goalies
goaling
goalkeeper
goalkeepers
goalkeeping
goalless
goalmouth
goalpost
goalposts
goals
goaltender
goaltenders
goaltending
goanna
goar
goas
goat
goat’s
goatbeard
goatbrush
goatbush
goatee
godchildren
goddam
goddammed
goddamming
goddammit
goddamn
goddamndest
goddamned
goddamnedest
goddamning
goddamnit
goddamns
goddams
goddard
goddughter
goddaughters
godded
goddess
goddess's
goddesses
goddesshood
goddessship
goddikin
godding
goddize
gode
godelich
godendag
godet
godetia
godfather
godfatherhood
godfathers
godfathership
godforsaken
godhead
godheads
godhood
godhoods
godiva
godkin
godless
godlessly
godlessness
godlet
godlier
godliest
godlike
goitrogenicity
goitrous
gol
gola
golach
goladar
golandaas
golandause
golconda
golcondas
gold
goldang
goldanged
goldarn
goldarned
goldarnedest
goldarns
goldbeater
goldbeating
goldbrick
goldbricker
goldbrickers
goldbricks
goldbug
goldbugs
goldcrest
goldcup
golden
goldenback
goldener
goldenest
goldeney
goldeneye
goldeneyes
goldenfleece
goldenhair
goldenknot
goldenlocks
goldenly
goldenmouthed
goldenness
goldenpert
goldenrod
goldenrods
goldenseal
goldentop
goldenwing
golder
gomarist
gomart
gomashta
gomasta
gomavel
gombay
gombeen
gombeenism
gombo
gombos
gombroon
gombroons
gome
gomer
gomeral
gomerals
gomerec
gomerel
gomerels
gomeril
gomerils
gomlah
gommelin
gommier
gomorrah
gomorrean
gomphiasis
gomphodont
gomphoses
gomphosis
gomukhi
gomuti
gomutis
gon
gonad
gonal
gonadal
gonadectomies
gonadectomized
gonadectomizing
gonadectomy
gonadial
gonadic
gonadotrope
gonadotrophic
gonadotrophin
gonadotropic
gonadotropin
gonads
gonaduct
gonagia
gonagra
gonake
gonakie
gonal
gonalgia
gonangia
gonangial
gonangium
gonangiums
gonapod
gonapophysal
gonapophysial
gonapophysis
gonarthritis
goncalo
gond
gondang
gondi
gondite
gondola
gondolas
gondolet
gondoletta
gondolier
gondoliere
gondoliers
gone
goneness
gonenesses
goneoclinic
goneopoiesis
goneopoietic
goner
goners
gonesome
goney
gonfalcon
gonfalon
gonfalonier
gonfalonierate
gonfaloniership
gonfalons
gonfanon
gonfanons
gong
gong’s
gonged
longing
longlike
longman
longorism
longoristic
longs
gonia
gonic
gonial
goniale
goniatite
goniatic
goniatitic
goniatiotic
gonid
gonidangium
gonidia
gonidial
gonidic
gonidiferous
gonidiogenous
gonidioid
gonidiophore
gonidose
gonidospore
gonidium
gonif
gonifs
gonimic
goninium
gonimoblast
gonimolobe
gonimos
goninidia
goniocramiometry
goniometer
goniometric
goniometrical
goniometrically
goniometry
gonion
gonio
goniostat
goniotheca
goniothropous
gonitis
gonium
goniums
goniumia
gonk
gonna
gonnardite
gonne
gonoblast
gonoblastic
gonoblastidial
gonoblastidium
gonocalycine
gonocalyx
gonocheme
gonochorism
gonochorismal
gonochorismus
gonochoristic
gonococcal
gonococci
gonococcic
gonococcosci
gonococcoid
gonococcus
gonocoel
goncoele
gonocyte
gonocytes
gonoecium
gonof
gonofs
gonogenesis
gonomere
gonomery
gonoph
gonophore
gonophobic
gonophorous
gonophs
gonoplasm
gonopod
gonopodia
gonopodial
gonopodium
gonopododia
gonopoietic
gonopore
gonopores
gonorrhea
goodies
gooding
goodish
goodishness
goodless
goodlier
goodliest
goodlihead
godlike
goodliness
goodly
goodman
goodmanship
goodmen
goodnaturedness
goodness
goodnesses
goodnight
goodrich
goods
goodship
goodsire
goodsome
goodtemperedness
goodwife
goodwilies
goodwill
goodwilled
goodwillie
goodwillies
goodwillit
goodwills
goodwilly
goodwily
goodwives
goody
goody's
goodyear
goodyish
goodyism
goingness
goingship
gooey
goof
goofah
goofball
goofballs
 goofed
goofer
goofier
goofiest
goofily
goofiness
goofing
goofs
goofy
goog
googlies
googly
googol
googolplex
googols
googul
gooyer
gooier
gooiest
gook
gooks
gooky
gool
goolah
goolde
gools
gooma
goombay
goon
goonch
goonda
goondie
gooney
gooneys
goonie
goonies
goons
goony
goop
goops
goopy
gooral
goorals
gooranut
gooroo
goos
goosander
goose
goosebeak
gooseberries
gooseberry
goosebill
goosebird
goosebone
gooseboy
goosecap
goosed
goosefish
goosefishes
gooseflesh
gooseflower
goosefoot
goosefoots
goosegirl
goosegog
goosegrass
goosegrace
gooseherd
goosehouse
gooselike
gooseliver
goosemouth
gooseneck
goosenecked
goosepimply
gooseries
gooserumped
goosery
gooses
gooseskin
goosetongue
gooseweed
goosewing
goosewinged
goosey
goosier
goosiest
goosing
goosish
goosishly
goosishness
goosy
gootee
gooze
goopak
gopher
gopherberries
gopherberry
gopherman
gopherroot
gophers
gopherwood
gopura
gor
gora
goracco
goral
goralog
gorals
goran
gorb
gorbal
gorbellied
gorbellies
gorbelly
gorbet
gorbit
gorble
gorblimey
gorblimy
gorblin
gorce
gorcock
gorcocks
gorcrow
gordiacean
gordiaceous
gordian
gordiid
gordioid
gordolobo
gordunite
gore
gorebill
gored
gorefish
gorer
gores
gorevan
gorfly
gorge
gorgeable
gorged
gorgedly
gorgelet
gorgeous
gorgeously
gradatory
gradan
grade
graded
gradefinder
gradeless
gradely
grademark
grader
graders
grades
gradgrind
gradient
gradient's
gradienter
gradients
gradin
gradine
gradines
grading
gradings
gradino
gradins
gradiometer
gradiometric
gradometer
grads
gradual
graduale
gradualism
gradualist
gradualistic
graduality
gradually
gradualness
graduals
graduand
graduands
graduate
graduated
graduates
graduateship
graduatical
graduating
graduation
graduations
graduator
graduators
grainers
grainery
grainfield
grainer
grainiest
graininess
graining
grainland
grainless
grainman
grains
grainsick
grainsickness
grainsman
grainsmen
grainways
grainy
grai
graisse
graith
graithly
grakle
grallatorial
grallatory
grallic
gralline
gralloch
gram
grama
gramaphone
gramaries
gramary
gramarye
gramaryes
gramas
gramash
gramashes
grame
gramenite
gramercies
gramercy
gramicidin
graminaceous
gramineal
gramineous
gramineousness
graminiculous
graminiferous
graminifolious
graminiform
graminin
graminivore
graminivorous
graminological
graminology
graminous
gramma
grammalogue
grammar
grammar's
grammarians
grammardianism
grammarians
grammarless
grammars
grammates
grammatic
grammatical
grammaticality
grammatically
grammaticalness
grammaticaster
grammatication
grammaticism
grammaticize
grammatics
grammatist
grammatistical
grammatite
grammatolator
grammatolatry
grammatology
gramme
grammel
grammes
grammies
grammy
gramoches
gramophone
gramophones
gramophonics
gramophonical
gramophonically
gramophonist
gramp
grampa
gramper
gramps
grampus
grampuses
grams
gramy
grana
granada
granadilla
granadillo
granado
granage
granam
granaries
granary
granary's
granat
granate
granatite
granatum
granch
grand
grandad
grandada
grandaddy
grandads
grandam
grandame
grandames
grandams
grandaunt
grandaunts
grandbaby
grandchild
grandchildren
granddad
granddada
granddaddies
granddaddy
granddads
granddam
granddaughter
granddaughterly
granddaughters
grande
grande
grandeeism
grandees
grandeeship
grander
grandesque
grandest
grandeur
grandeurs
grandeval
grandevity
grandevous
grandezza
grandezza
grandfather
grandfather's
grandfatherhood
grandfatherish
grandfatherless
grandfatherly
grandfathers
grandfathership
grandfather
grandfilial
grandgore
grandiflora
grandiloquence
grandiloquent
grandiloquently
grandiloquous
grandioso
grandiosely
grandioseness
grandiosity
grandioso
grandisonant
grandisonian
grandisonous
grandity
grandly
grandma
grandmama
grandmamma
grandmammy
grandmas
grandmaster
grandmaternal
grandmother
grandmother's
grandmotherhood
grandmotherism
grangerite
gangerization
gangerize
gangerized
gangerizer
gangerizing
gangers
granges
graniferous
graniform
granilla
granita
granite
granitelike
granites
graniteware
granitic
granitical
graniticoline
granitiferous
granitification
granitiform
granitite
granitization
granitize
granitized
granitizing
granitoid
granitoidal
granivore
granivorous
granjeno
grank
grama
grannam
grannie
grannies
grannom
granny
grannybush
grannyknot
grano
granoblastic
granodiorite
granodioritic
granogabbro
granola
granolite
granolith
granolithic
granomerite
granophyre
granophytic
granose
granospherite
grant
grantable
granted
grantedly
grantee
grantees
grant
granters
granting
grantor
grantors
grants
grantman
grantmanship
grantmen
granula
granular
granularity
granularly
granulary
granulate
granulated
granulater
granulates
granulating
granulation
granulations
granulative
granulator
granulators
granule
granules
granulet
granuliferous
granuliform
granulite
granulitic
granulitis
granulitization
granulitize
granulization
granulize
granuloadipose
granuloblast
granuloblastic
granulocyte
granulocytic
granulocytopeniesis
granuloma
granulomas
granulomata
granulomatosis
granulomatous
granulometric
granulosa
granulose
granulosis
granulous
granum
granza
grape
grape's
graped
grapeflower
grapefruit
grapefruits
grapeful
grapeless
grapelet
grapelike
grapeline
grapenuts
graperies
graperoot
grapery
grapes
grapeshot
grapeskin
grapestalk
grapestone
grapevine
grapevines
grapewise
grapewort
grapey
grapeys
graph
graph's
graphalloy
graphanalysis
graphed
grapheme
graphemes
graphemic
graphemically
graphemics
graphic
graphical
graphically
graphicalness
graphicly
graphicness
graphics
graphing
graphiological
graphiologist
graphiology
graphite
graphiter
graphites
graphitic
graphitizable
graphitization
graphitize
graphitized
graphitizing
graphitoid
graphitoidal
graphoanalytical
grapholite
graphologic
graphological
graphologies
graphologist
graphologists
graphology
graphomania
graphomaniac
graphomaniacal
graphometer
graphometric
graphometrical
graphometrist
graphometry
graphomotor
graphonomy
graphophobia
graphophone
graphophonic
graphorrhea
graphoscope
graphospasm
graphostatic
graphostatical
graphostatics
graphotype
graphotypic
graphs
graphy
 grapier
grapiest
graping
graplin
grapline
graplines
graplins
grapnel
grapnels
grappa
grappas
grapple
grappled
graplement
grappler
grapplers
grapples
grappling
grapsoid
graptolite
graptolitic
graptomancy
grapy
gras
grasni
grasp
graspable
grasped
grasper
graspers
grasping
graspingly
graspingness
graspleess
grasps
glass
glassant
glassation
glassbird
glasschat
glasscut
glasscutter
glassed
glasser
glasserie
glassers
glasses
glasset
glasseye
glassfinch
glassfire
glassflat
glassflower
glasshook
glasshop
glasshopper
glasshopperdom
glasshopperish
glasshoppers
glasshouse
glassie
glassier
glassiest
glassily
glassiness
glassing
glassing
glassland
glasslands
glassless
glasslike
glassman
glassmen
glassnut
glassplat
glassplot
glassquit
glassroots
glasswards
glassweed
glasswidow
glasswidowhood
glasswork
grassworm
grassy
grat
grata
gratae
grate
grated
grateful
grat fuller
grat fullest
grate fully
grate ful ness
grate less
grat elike
grate man
grater
graters
grates
grate wise
grather
gratia
gratias
graticulate
graticulation
graticule
gratifable
gratification
gratifications
gratified
gratifiedly
gratifier
gratifies
gratify
gratifying
gratifyingly
grat ility
grat illity
gratin
gratinate
gratinated
gratinating
grating
grat ingly
grat ings
gratins
gratiola
gratiolin
gratiosolin
gravidate
gravidation
gravidity
gravidly
gravidness
graviers
gravies
gravific
gravigrade
gravila
gravimeter
gravimeters
gravimetric
gravimetrical
gravimetrically
gravimetry
graving
gravipause
gravisphere
gravispheric
gravitate
gravitated
gravitater
gravitates
gravitating
gravitation
gravitational
gravitationally
gravitations
gravitative
gravitic
gravities
gravimeter
graviton
gravitons
gravity
gravure
gravures
gravy
grawls
gray
grayback
graybacks
graybeard
graybearded
graybeards
graycoat
grayed
greenbug
greenbugs
greenbul
greencoat
greened
greener
greeneries
greenery
greenest
greeney
greenfinch
greenfish
greenfishes
greenflies
greenfly
greengage
greenhill
greengrocer
greengroceries
greengrocers
greengrocery
greenhead
greenheaded
greenheart
greenhearted
greenhew
greenhide
greenhood
greenhorn
greenhornism
greenhorns
greenhouse
greenhouse's
greenhouses
greenier
greeniest
greening
greenings
greenish
greenishness
greenkeeper
greenkeeping
greenland
greenlandite
greenleaf
greenleek
greenless
greenlet
greenlets
greenling
greenly
greenness
greenockite
greenovite
greenroom
greenrooms
greens
greensand
greensauce
greenshank
greensick
greensickness
greenside
greenskeeper
greenslade
greenstick
greenstone
greenstuff
greensward
greenswarded
greentail
greenth
greenth's
greenthumbed
greenuk
greenware
greenwax
greenweed
greenwich
greenwing
greenwithe
greenwood
greenwoods
greenwort
greeny
greencyard
grees
greesagh
greese
greeshoch
greet
greeted
greeter
greeters
greeting
greetingless
greetingly
greetings
greets
greeve
greffe
greffier
greffotome
gregal
gregale
gregaloid
gregarian
gregarianism
gregarine
gregarinian
gregarinidal
gregariniform
gregarinosis
gregarinous
gregarious
gregariously
gregariousness
gregaritic
gregatim
gregau
grege
greggle
gregggriffin
grego
gregor
gregorian
gregorianist
gregory
gregos
greige
greiges
greillade
grein
greing
greisen
greisens
greit
greith
greking
grelot
gremial
gremiale
gremials
gremio
grieben
greece
grieced
griecep
grief
grief's
griefful
grieffully
griefless
grieflessness
griefs
griege
grieko
griehoch
griehuckle
grievable
grievance
grievance's
grievances
grievant
grievants
grieve
grieved
grievedly
griever
grievers
grieves
grieveship
grieving
grievingly
grieved
 grievous
 grievously
 grievousness
 griff
 griffade
 griffado
 griffaun
 griffe
 griffes
 griffin
 griffinage
 griffinesque
 griffinhood
 griffinish
 griffinism
 griffins
 griffithite
 griffon
griffonage
griffonne
griffons
griffs
grift
gifted
grifter
grifters
gritting
grifts
grig
griggles
grignet
grigri
grigris
grigs
grihastha
grihyasutra
grike
griek
grill
grillade
grilladed
grillades
grillading
grillage
grillages
grille
grilled
grillee
griller
grillers
grilles
grillework
grilling
grillroom
grills
grillwork
grilly
grilse
grilses
grim
grimace
grimaced
grimacer
grimacers
grimaces
grimacier
grimacing
grimacingly
grimalkin
grime
grimed
grimes
grimful
grimgriber
grimier
grimiest
grimily
grimines
griminess
griming
grimliness
grimly
grimm
grimmme
grimmer
grimmest
grimmischeous
grimmish
grimness
grimnesses
grimoire
grimp
grimsir
grimsire
grimy
grin
grinagog
grinch
grincome
grind
grindable
grindal
grinded
grindelia
grinder
grinderies
grinderman
grinders
grindery
grinding
grindingly
grindings
grindle
grinds
grindstone
gristbite
grister
gristle
gristles
gristlier
gristliest
gristliness
gristly
gristmill
gristmiller
gristmilling
grists
gristy
grit
grit's
girth
girthbreach
girthman
girths
gritless
gritrock
grits
gristone
gritten
gritter
grittier
grittliest
grittily
grittiness
gritting
grittle
gritty
grivation
grivet
grivets
grivna
griovis
griovise
grizard
grizel
grizelin
grizzle
grizzled
grizzler
grizzlers
grizzlies
grogram
grograms
grogs
grogshop
grogshops
groin
groined
groin ery
groining
groins
groma
gromatic
gromatical
gromatics
gromet
gromil
grommet
grommets
gromwell
gromwells
gromyl
grold
groldwet
grot
groof
groom
groomed
groomer
groomers
grooming
groomish
groomishly
groomlet
groomling
grooms
groomsman
groomsmen
gromy
groop
grooper
groose
groot
grooty
groove
grooved
grooveless
groovelike
groover
grooverhead
groovers
grooves
groovier
grooviest
grooviness
grooving
groovy
grow
grope
groped
groper
gropers
gropes
groping
gropingly
gropple
grooilite
grorudite
gros
grosbeak
grosbeaks
groschen
groser
groset
grosgain
grosgrained
grosgrains
gross
grossart
grosse
grossed
grossen
grosser
grossers
grosses
grossest
grosshead
grossierete
grossification
grossify
grossing
grossirete
grossly
grossness
grosso
grossulaceous
grossular
groundbird
groundbreaker
grounded
groundedly
groundedness
grounden
groundenell
grounder
grounders
groundflower
groundhog
grounding
groundkeeper
groundless
groundlessly
groundlessness
groundline
groundliness
groundling
groundlings
groundly
groundman
groundmass
groundneedle
groundnut
groundout
groundplot
grounds
groundsell
groundskeeping
groundsman
groundspeed
groundswell
groundswells
groundwall
groundward
groundwards
groundwater
groundwave
groundway
groundwood
groundwork
groundy

group

groupable
groupage
groupageness
grouped
grouper
groupers
groupie
groupies
grouping
groupings
groupist
grouplet
groupment
groupoid
groupoids
groups
groupthink
groupwise
grouse
grouseberry
grouped
grouseless
grouselike
grouser
grouser
grouses
grouseward
grousewards
grousin
grousy
grott
grouted
grouter
grouters
grouthead
groutier
groutien
grouting
groutite
groutnoll
grouts
grouty
grouze
grove
groved
grovel
groveled
groveler
grovelers
growths
growthy
growave
groyne
groynes
grozart
grozer
grozet
grr
grs
grub
grub's
grubbed
grubber
grubberies
grubbers
grubbery
grubbier
grubbies
grubbiest
grubbily
grubbiness
grubbing
grubble
grubby
grubhood
grubless
grubroot
grubs
grubstake
grubstaked
grubstaker
grubstakes
grubstaking
grubstreet
grubworm
grubworms
grucchee
grudge
grudge's
grudged
grudgeful
grudgefully
grudgefulness
grudgekin
grudgeless
grudgeons
grudger
grudgers
grudgery
grudges
grudging
grudgingly
grudgingness
grudgment
grue
gruel
grueled
grueler
gruelers
grueling
gruelingly
gruelings
gruelled
grueller
gruellers
gruelling
gruellings
gruelly
guels
gruesome
gruesomely
gruesomeness
gruesomer
gruesomest
gruf
gruff
gruffed
gruffer
gruffest
gruffier
gruffiest
grunishly
grunliness
grunning
grunfish
grunfly
grunliness
grufts
gruffy
gruft
grufted
grugous
grugru
grugrus
gruiform
gruine
grulla
grum
grumble
grumbled
grumbler
grumblers
grumbles
grumblesome
grumbletonian
grumbling
grumblingly
grumbly
grume
grumes
grumly
grummel
grummels
grummer
grumnest
grummet
grummeter
grummets
grunnness
grumose
grumous
grumousness
grump
grumped
grumph
grumphie
grumphies
grumphy
grumper
grumpiest
grumpily
grumpiness
grumping
grumpish
grumpishness
grumps
grumpy
grun
grunch
grundel
grundsil
grundy
grunerite
guamachil
guamuchil
guan
guana
guanabana
guanabano
guanaco
guanacos
guanajuatite
guanamine
guanare
guanase
guanases
guanay
guanayes
guanays
guaneide
guanethidine
guango
guandin
guanidine
guanidins
guanidopropionic
guaniferous
guanin
guanine
guanines
guainis
guainize
guano
guanophore
guanos
guanosine
guans
guanyl
guanylic
guao
guapena
guapilla
guapinol
guar
guara
guarabu
guaracha
guarachas
guarache
guaraguao
guarana
guarand
guarañi
guaranies
guaranin
guaranine
guaranis
guarantee
guaranteed
guaranteeing
guaranteer
guaranteers
guarantees
guaranteeship
guaranteeing
guarantied
guaranties
guarantine
guarantor
guarantors
guarantorship
guaranty
guarantying
guarapo
guarapucu
guard
guardable
guardage
guardant
guardants
guarded
guardedly
guardedness
gardee
guardeen
guarder
guarders
guardfish
guardful
guardfully
guardhouse
guardhouses
guardian
guardian's
guardiancy
guardianess
guardianless
guardianly
guardians
guardianship
guardianships
guarding
guardingly
guardless
guardlike
guardo
guardrail
guardrails
guardroom
guards
guardship
guardsman
guardsmen
guardstone
guariba
guarico
guarinite
guarish
guarneri
guarnerius
guarri
guars
guary
guasa
guatambu
guatemalan
guatemalans
guatibero
guativere
guava
guavaberry
guavas
guavina
guaxima
guayaba
guayabera
guayaber
guayaberas
guayabi
guayabo
guayacan
guayroto
guayule
guayules
guaza
guazuti
guazzo
gubat
gubbertush
gubbin
gubbings
gubbins
gubbo
guberla
gubernacula
gubernacular
gubernaculum
gubernance
gubernation
gubernative
gubernator
gubernatorial
gubernatrix
gubernia
guberniya
guck
gucked
gucki
gucks
gud
gudame
guddle
guddled
gudder
guddling
gude
gudebrother
gudefather
gudemother
gudes
gudesake
gudesakes
gudessire
gudewife
gudge
gudgeon
gudgeoned
gudgeoning
gudgeons
gudget
gudok
gudrun
gue
guebre
guebucu
guild
guilder
guilders
guildhall
guildic
guildite
guildry
guilds
guildship
guildsman
guildsmen
guile
guiled
guileful
guilefully
guilefulness
guileless
guilelessly
guilelessness
guiler
guilery
guiles
guilfat
guiling
guillem
guillemet
guillemot
guillevat
guilloche
guillochee
guillochade
guillotine
guillotined
guillotinement
guillotiner
 guillotines
 guillotining
 guillotinism
 guillotinist
guilt
guiltful
guiltier
guiltiest
guiltily
guiltiness
guiltless
 guiltlessly
guiltlessness
gularis
gulas
gulash
gulch
gulch's
gulches
guld
gulden
guldengroschen
guldens
gule
gules
gulf
gulf's
gulfed
gulfier
gulfiest
gulfing
gulflike
gulfs
gulfside
gulfwards
gulfweed
gulfweeds
gulfy
gulgul
gulinula
gulinulae
gulinular
gulist
gulix
gul
gullability
gullable
gullably
gullage
gullah
gulled
guller
gulleries
gullery
gullet
gulleting
gullets
gulley
gulleys
gullibility
gullible
gullibly
gullied
gullies
gulling
gullion
gullish
gullishly
gullishness
gulliver
gullike
gulls
gully
gully's
gullygut
gullyhole
gullying
gulmohar
gulo
gulonic
gulose
gulosities
gulosity
gulp
gulped
gulper
gulpers
gulph
gulpier
gulpiest
gulpin
gulpingly
gulps
gulpy
gulravage
guls
gulsach
gult
guly
gum
gum's
gumbo
gumboil
gumboils
gumbolike
gumbolike
gumbos
gumbotil
gumbotils
gumbly
gumchewer
gumdigger
gumdigging
gumdrops
gumfield
gumflower
gumhar
gumi
gumihan
gumlah
gumless
gumlke
gumlikeness
gunly
gumma
gummage
gummaker
gummaking
gummas
gummata
gummatous
gummed
gummer
gummers
gummic
gummier
gummierest
gummiferous
gumminess
gumming
gummite
gummites
gummose
gummoses
gummosis
gummosity
gummons
gummy
gump
gumpheon
gumphion
gumption
gumptionless
gumptions
gumptious
gumpus
gums
gumshield
gumshoe
gumshoed
gumshoeing
gumshoes
gumshoing
gumtree
gumtrees
gumweed
gumweeds
gumwood
gumwoods
gun
gun's
guna
gunarchy
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunate
gunfight
gunfighter
gunfighters
gunfighting
gunfights
gunfire
gunfires
gunflint
gunflints
gunfought
gung
gunge
gunhouse
gunite
guniter
gunj
gunja
gunjah
gunk
gunkhole
gunkholed
gunkholing
gunks
gunky
gunl
gunlayer
gunlaying
gunless
gunline
gunlock
gunlocks
gunmaker
gunmaking
gunman
gunmanship
gunmen
gunmetal
gunmetals
gunnage
gunne
gunned
gunnel
gunnels
gunnen
gunner
gunner's
gunneress
gunneries
gunners
gunnership
gunnery
gunnies
gunning
gunnings
gunnung
guntub
gunung
gunwale
gunwales
gunwhale
gunyah
gunyang
gunyeh
gup
guppies
guppy
guptavidya
gur
gurdfish
gurdle
gurdwara
gurdy
gurge
gurged
gurgeon
gurgeons
gurges
gurging
gurgitation
gurgle
gurgled
gurgles
gurglet
gurglets
gurgling
gurglingly
gurgly
gurgoyl
gurgoyle
gurgulation
gurgulio
gurjan
gurjun
gurk
gurkha
gurl
gurle
gurlet
gurly
gurnard
gurnards
gurnet
gurnets
guttation
gutte
gutted
guttee
gutter
gutteral
gutterblood
guttered
guttering
gutterize
gutterlike
gutterling
gutterman
gutters
guttersnipe
guttersnipes
guttersnipish
gutterspout
gutterwise
guttery
gutti
gutti
guttie
guttier
guttiest
guttifer
guttiferal
guttiferous
guttiform
guttiness
gutting
guttle
gutted
gutler
gutlers
guttles
gutting
guttula
guttulæ
guttular
guttulate
guttule
guttulous
guttur
guttural
gutturalisation
gutturalise
gutturalised
gutturalising
gutturalism
gutturality
gutturalization
gutturalize
gutturalized
gutturalizing
gutturally
gutturalness
gutters

gutturals
gutturine
gutturize
guturonal

guturonasal
gutturo palatal
guturopalatine
guturotetany

gutus

gutty
gutweed
gutwise
gutwort

guv

guvaccine
guvacoline
guy

guyana
guydom
guyed
guyer
guyers
guying

guyline
guyot

guyots

guys

guytrash
guywire

guz

guze

guzerat

guzmania

guzzle

guzzled

guzzledom

guzzler
guzzlers

guzzles

guzzling
gv
gwag
gwantus
gweduc
gweduck
gweducks
gweducs
gweed
gweeon
gwely
gwerziou
gwine
gwiniad
gwyniad
gyal
gyascutus
gyassa
gybe
gybed
gybes
gybing
gye
gyle
gym
gymel
gymkhana
gymkhanas
gymmal
gynnanthous
gynnasia
gynnasial
gynnasiarch
gynnasiarchy
gynnasiast
gynnasic
gynnasisia
gynnasisiums
gynnasium
gynnasium's
gynnasiums
gynnast
gynnast's
gynnastic
gynnastical
gynnastically
gynnastics
gynnasts
gynnemetic
gymnetrous
gynic
gymnical
gynnics
gynnite
gymnoblastic
gymnocarpic
gymnocarpous
gymnoceratous
gymnocidium
gymnodiniaceous
gymnodont
gymnogen
gymnogene
gymnogenous
gymnoglossate
gymnogynous
gymnolaematous
gymnopaedic
gymnophiona
gymnophobia
gymnoplast
gymnorhinal
gymnosoph
gymnosophical
gymnosophist
gymnosophy
gymnosperm
gymnospermal
gymnospermic
gymnospermism
gymnospermous
gymnosperms
gymnospermy
gymnosporer
gymnosporous
gymnostomatic
gymnotid
gymnotokous
gymnotus
gymnure
gymnurine
gympie
gyms
gymisia
gymslip
gyn
gynaecea
gynaeceum
gynaecia
gynaecian
gynaecic
gynaecium
gynaecocoenic
gynaecocracies
gynaecocracy
gynaecocrat
gynaecocratic
gynaecoid
gynaecol
gynaecologic
gynaecological
gynaecologist
gynaecology
gynaecomastia
gynaecomasty
gynaecomorphous
gynaecomastitis
gynaecocracy
gynaelogel
gynaelogaltry
gynander
gynandarchic
gynandarthy
gynandria
gynandrian
gynandries
gynandrisim
gynandroidy
gynandromorph
gynandromorphic
gynandromorphism
gynandromorphous
gynandromorphy
gynandrohore
gynandroosporous
gynandrous
gynandry
gynantherous
gynarchic
gynarchies
gynarchy
gyne
gyneccia
gynecia
gynecic
gynecigynecidal
gynecidal
gynecide
gynecium
gynecocentric
gynecocracies
gynecocracy
gynecocrat
gynecocratic
gynecocratical
gynecoid
gynecol
gynecolatry
gynecologic
gynecological
gynecologies
gynecologist
gynecologists
gynecology
gynecomania
gynecomaniac
gynecomaniacal
gynecomastia
gynecomastism
gynecomasty
gynecomazia
gynecomorphous
gyneconitis
gynecopathic
gynecopathy
gynecophore
gynecophobic
gynecophorous
gynecotelic
gynecratic
gyneocracy
gyneolater
gyneolatry
gynephobia
gynethusia
gynetype
gyniatrics
gyniatries
gyniatry
gynic
gynics
gyniolatry
gynobase
gypsologyst
gypsology
gypsophila
gypsophilous
gypsophily
gypsoplast
gypsous
gypster
gypsum
gypsumed
gypsuming
gypsums
gypsy
gypsy's
gypsydom
gypsdoms
gypseyesque
gypsyfy
gypsyhead
gypsyhood
gypsyng
gypsyish
gypsyism
gypsisms
gypsylike
gypsyry
gypsyweed
gypsywise
gypsywort
gyral
gyrally
gyrant
gyrate
gyrated
gyrates
gyrating
gyratation
gyrational
gyrations
gyrator
gyrators
gyratory
gyre
gyrectomies
gyrectomy
gyred
gyrencephalate
gyrencephalic
gyrencephalous
gyre
gyrene
gyrenes
gyres
gyrfalcon
gyrالفalcon
gyri
gyric
gyring
gyrinid
gyro
gyrocar
gyroceracone
gyrocera
gyrochrome
gyrocompass
gyrocompasses
gyodyne
gyrofrequencies
gyrofrequency
gyrogonite
gyrograph
gyrohorizon
gyroidal
gyroidally
gyrolite
gyrolith
gyroma
gyromagnetic
gyromancy
gyromele
gyrometer
gyron
gyronny
gyrons
gyrophoric
gyropidgeon
gyropilot
gyroplane
gyros
gyroscope
gyroscope's
gyrosopes
gyoscopic
gyoscopically
gyoscopics
gyrose
gyrostabilized
gyrostabilizer
gyrostat
gyrostatic
gyrostatically
gyrostatics
gyrostats
gyrosyn
gyrous
gyrovagi
gyrovague
gyrovagues
gyrowheel
gyrus
gyse
gyte
gytling
gytrash
gyttja
gyve
gyved
gyves
gyving
h
h'm
h's
ha
ha'
ha'nt
ha'p'orth
ha'pennies
ha'penny
haab
haaf
haafs
haak
haar
haars
hab
habaera
habakkuk
habanera
habaneras
habble
habbub
habdalah
habdalahs
habeas
habena
habenal
habenar
habendum
habenula
habenulae
habenular
haberdash
haberdasher
haberdasheress
haberdasheries
haberdashers
haberdashery
haberdine
habere
habergeon
habet
habilable
habilant
habilatory
habile
habelement
habiliment
habilimental
habilimentary
habilimentation
habilimented
habiliments
habilitate
habilitated
habilitating
habilitation
habilitator
habiility
habille
habit
habit’s
habitability
habitable
habitableness
habitably
habitacle
habitacule
habitally
habitans
habitance
habitancies
habitancy
habitans
habitant
habitants
habitat
habitat’s
habitatal
habitate
habitatio
habitation
habitation’s
habitational
habitations
habitative
habitant
habitats
habited
habiting
habits
habitual
habituality
habitualize
habitually
habitualness
habituate
habituated
habituates
habituating
habituation
habituations
habitude
habitudes
habitudinal
habitue
habitues
habiture
habitus
hable
habnab
haboob
haboub
habronemiasis
habronemic
habrowne
habsburg
habu
habub
habuka
habus
habutae
habutai
habutaye
haccucal
hacek
haceks
hacendado
hache
hachis
hachment
hacht
hachure
hachured
hachures
hachuring
hacienda
haciendado
haciendas
hack
hackamatak
hackamore
hackbarrow
hackberries
hackberry
hackbolt
hackbush
hackbut
hackbuteer
hackbuts
hackbutter
hackdriver
hacked
hackee
hackeem
hackees
hacker
hackeries
hackers
hackery
hackeymal
hackia
hackie
hackies
hackin
hacking
hackingly
hackle
hackleback
hackled
hackler
hacklers
hackles
hacklet
hacklier
hackliest
hackling
hacklog
hackly
hackmack
hackmall
hackman
hackmatack
hackmen
hackney
hackneyed
hackneyedly
hackneyedness
hackneyer
hackneying
hackneyism
hackneyman
hackneys
hacks
hacksaw
hacksaws
hacksilber
hackster
hackthorn
hacktree
hackwood
hackwork
hackworks
hacky
hacqueton
had
hadada
hadal
hadarim
hadaway
hadbot
hadbote
hadden
hadder
haddest
haddie
haddin
haddo
haddock
haddocker
haddocks
hade
haded
hadentomoid
hadephobia
hades
hading
hadit
hadith
hadiths
hadj
hadjee
hadjees
hadjes
hadji
hadjis
hadland
hadn’t
hadnt
hadrom
hadrome
hadromycosis
hadron
hadronic
hadrons
hadrosaur
hadrosaurus
hadst
hae
haec
haecceities
haecceity
haed
haeing
haem
haemachrome
haemacytometer
haemad
haemagglutinate
haemagglutinated
haemagglutinating
haemagglutination
haemagglutinative
haemagglutinin
haemagogue
haemal
haemangioma
haemangiomas
haemangiomata
haemangiomatosis
haemapophysis
haemaspectroscope
haematal
haematein
haematemesis
haematherm
haemathermal
haemathermous
haematic
haematics
haematid
haematin
haematinic
haematinon
haematins
haematinum
haematite
haematitic
haematoblast
haematobranchiate
haematocele
haematocrit
haematocryal
haematocyst
haematocystis
haematocyte
haematogenesis
haematogenous
haematoid
haematoidin
haematoin
haematologic
haematological
haematologist
haematology
haematolysis
haematoma
haematomas
haematomata
haematometer
haematophiline
haematophyte
haematopoiesis
haematopoietic
haematorrhachis
haematosepsis
haematosin
haematosis
haematothermal
haematoxylic
haematoxylin
haematoxylon
haematozoa
haematozoal
haematozoic
haematozoon
haematozoa
haematuria
haemic
haemin
haemins
haemoblast
haemochrome
haemocoel
haemoconcentration
haemocyanin
haemocyte
haemocytoblast
haemocytoelastic
haemocytometer
haemodialysis
haemodilution
haemodoraceous
haemodynamic
haemodynamics
haemoflagellate
haemoglobic
haemoglobin
haemoglobinous
haemoglobinuria
haemogram
haemoid
haemolysin
haemolysis
haemolytic
haemometer
haemonchiasis
haemonchosis
haemony
haemophil
haemophile
haemophilia
haemophiliac
haemophilic
haemopod
haemopoiesis
haemoptysis
haemorrhage
haemorrhaged
haemorrhagia
haemorrhagic
haemorrhaging
haemorrhagy
haemorrhoid
haemorrhoidal
haemorrhoidectomy
haemorrhoids
haemosporid
haemosporidian
haemostasia
haemostasis
haemostat
haemostatic
haemothorax
haemotoxic
haemotoxin
haems
haemuloid
haen
haeredes
haeremai
haeres
haes
haet
haets
haf
haff
haffat
haffet
haffets
hafffit
hafffits
haffkinize
haffle
hafflins
hafis
hafiz
haflin
hafnia
hafnium
hafniums
hafnyl
haft
haftarah
haftarahs
haftarot
haftaroth
hafted
hafter
hafters
hafting
haftorah
haftorahs
haftorot
haftoroth
hafts
hag
hagada
hagadic
hagadist
hagadists
hagar
hagarene
hagberries
hagberry
hagboat
hagbolt
hagborn
hagbush
hagbushes
hagbut
hagbuts
hagden
hagdin
hagdon
hagdons
hagdown
hageen
hagein
hagfish
hagfishes
haggada
haggadah
haggadal
haggaday
haggadic
haggadical
haggadist
haggadistic
haggai
haggard
haggardly
haggardness
haggards
hagged
haggeis
hagge
hagging
haggiographal
haggis
haggises
haggish
haggishly
haggishness
haggister
haggle
haggled
haggler
hagglers
haggles
haggling
haggly
haggy
hagi
hagia
hagiarchies
hagiarchy
hagigah
hagiocracies
hagiocracy
hagiographa
hagiographal
hagiographer
hagiographers
hagiographic
hagiographical
hagiographies
hagiographist
hagiography
hagiolater
hagiolatrous
hagiolatry
hagiolith
hagiologic
hagiological
hagiologically
hagiologies
hagiologist
hagiology
hagiophobia
hagioscope
hagioscopic
haglet
haglike
haglin
hagmall
hagmane
hagmena
hagmenay
hagrid
hagridden
hagride
hagrider
hagrides
hagriding
hagrode
hagrope
hags
hagseed
hagship
hagstone
hagtaper
hague
hagueton
hagweed
hagworm
hah
haha
halhium
hahs
haiari
haick
haidergiter
haiduck
haik
haika
haikai
haikal
haiks
haiku
haikun
haikwan
hail
hailed
hailer
hailers
hailes
hailing
hailproof
hails
hailse
hailshot
hailstone
hailstoned
hailstones
hailstorm
hailstorms
hailweed
haily
hainsucken
hain
hain"t
hain't
hainberry
hainch
haine
hained
hair
hair's
hairball
hairballs
hairband
hairbands
hairbeard
hairbell
hairbird
hairbrain
hairbrained
hairbreath
hairbreaths
hairbrush
hairbrushes
haircap
haircaps
haircloth
haircloths
haircut
haircut's
haircuts
haircutter
haircutting
hairdo
hairsprings
hairst
hairstane
hairstone
hairstreak
hairstyle
hairstyles
hairstyling
hairstylist
hairstylists
hairtail
hairup
hairweave
hairweaver
hairweavers
hairweaving
hairweed
hairwood
hairwork
hairworks
hairworm
hairworms
hairy
hairycheested
hait
haiti
haitian
haitians
haitsai
haiver
haj
haje
hajes
haji
hajib
hajilij
hajis
hajj
hajjes
hajji
hajjis
hak
hakafoth
hakam
hakamim
hakdar
hake
hakea
hale
halebi
halecret
haled
haleday
halely
haleness
halenesses
haler
halers
haleru
halerz
hales
halesia
halesome
halest
haleweed
half
halfa
halfback
halfbacks
halfbeak
halfbeaks
halfblood
halfcock
halfcocked
halfen
halfendeal
halfer
halfheaded
halfhearted
halfheartedly
halfheartedness
halfhourly
halflang
halflife
halflin
halfling
halflings
halflives
halfly
halfman
halfmoon
halfness
halfnesses
halfpace
halfpaced
halfpence
halfpennies
halfpenny
halfpennyworth
halftime
halftimes
halftone
halftones
halfrack
halfungs
halfway
halfwise
halfwit
halfword
halfwords
halfy
halibios
halibiotic
halibi
halibut
halibuter
halibuts
halichondrine
halichondroid
halicore
halicot
halid
halide
halides
halidom
halidome
halidomes
halidoms
halids
halieutic
halieutical
halieutically
halieutics
halifax
halimot
halimous
haling
halinous
haligrapher
haligraphy
haliotis
haliotoid
haliplankton
haliplid
halisteresis
halisteretic
halite
halites
halitoses
halitosis
halituosity
halituous
halitus
halituses
halkahs
halke
hall
hall's
hallabaloo
hallage
hallah
hallahs
hallalcor
hallali
hallan
hallanshaker
hallboy
hallcist
hallebardier
hallecret
halleflinta
halleflintoid
hallel
hallels
halleluiah
hallelujah
hallelujahs
hallelujatic
hallex
haliiard
halliards
halliblash
hallicet
hallidome
hallier
halling
hallion
hallman
hallmark
hallmark's
hallmarked
hallmarker
hallmarking
hallmarks
hallmoot
hallmote
hallo
halloa
halloaed
halloaing
halloas
hallock
halloed
hallooing
halloos
hallopodous
hallos
hallot
halloth
hallow
hallowd
hallowed
hallowedly
hallowedness
halloween
halloween
hallowmas
hallows
halloysite
hallroom
halls
hallstatt
hallucal
halluces
hallucinate
hallucinated
hallucinates
hallucinating
hallucination
hallucinational
hallucinations
hallucinative
hallucinator
hallucinatory
hallucined
hallucinogen
hallucinogenic
hallucinogens
hallucinoses
hallucinosis
hallux
hallway
hallway's
hallways
halm
halma
halmalille
halmawise
halms
halo
halobiont
halobios
halobiotic
halocaine
halocarbon
halochromism
halochromy
haloclinal
haloed
haloes
haloesque
halogen
halogenate
halogenated
halogenating
halogenation
halogenoid
halogenous
halogens
halogeton
halohydrin
haloid
haloids
haloing
halolike
halolimnic
halomancy
halometer
halomorphic
halomorphism
haloperidol
halophile
halophilic
halophilism
halophilous
halophage
halophytic
halophytism
haloragidaceous
halos
haloscope
halosere
halothane
halotrichite
haloxene
haloxylin
halp
halpace
halper
hals
halse
halsen
halser
halsfang
halt
halte
halted
halter
halterbreak
haltere
haltered
halteres
haltering
halterlike
halterproof
halters
halting
haltingly
haltingness
haltless
halts
halucket
halukkah
halurgist
halurgy
halutz
halutzim
halva
halvah
halvahs
halvaner
halvans
halvas
halve
halved
halvelings
halver
halvers
halves
halving
halwe
halyard
halyards
ham
ham's
hamacronic
hamada
hamadryad
hamadryades
hamadryads
hamadryas
hamal
hamald
hamals
hamamelidaceous
hamamelidin
hamamelin
haman
hamantasch
hamantaschen
hamantash
hamantashen
hamartia
hamartias
hamartiologist
hamartiology
hamartite
hamartophobia
hamata
hamate
hamated
hamates
hamatum
hamaul
hamauls
hamber
hambergite
hammal
hammals
hammam
hammed
hammer
hammerable
hammerbird
hammercloth
hammercloths
hammerdress
hammered
hammerer
hammerers
hammerfish
hammerhead
hammerheaded
hammerheads
hammering
hammeringly
hammerkop
hammerless
hammerlike
hammerlock
hammerlocks
hammerman
hammers
hammersmith
hammerstone
hammer toe
ham merto e
ham merto e s
hammerwise
hammerwork
hammerwort
hammier
hammiest
hammily
hamminess
hamming
hammochrysos
hammock
hammock's
hammocklike
hammocks
hammy
hamose
hamotzi
hamous
hamper
handedness
defel
defeder
defersome
defast
defasted
defasting
defastly
defastness
defasts
defeed
defish
flag
flagger
flagging
flaggs
flagful
flagfuls
flagglo
grip
graping
grips
grun
gruns
handhaving
handhold
handholds
handhole
handicap
handicap's
handicapped
handicapper
handicappers
handicapping
handicaps
handicraft
handicrafter
handicrafts
handicraftship
handicraftsman
handicraftsmanship
handicraftsmen
handicraftswoman
handicuff
handier
handiest
handily
handiness
handing
handiron
handistroke
handiwork
handjar
handkercher
handkerchief
handkerchief's
handkerchiefful
handkerchiefs
handkerchieves
handlaid
handle
handleable
handlebar
handlebars
handled
handleless
handler
handlers
handles
handless
handlike
handline
handling
handlings
handlist
handlists
handload
handloader
handloading
handlock
handloom
handloomed
handlooms
handmade
handmaid
handmaiden
handmaidenly
handmaidens
handmaids
handoff
handoffs
handout
handouts
handpick
handpicked
handpicking
handpicks
handpiece
handpost
handpress
handprint
handrail
handrailings
handrails
handreader
handreading
handrest
hands
handsale
handsaw
handsawfish
handsawfishes
handsaws
handsbreadth
handscrape
handsel
handseled
handseling
handselled
handseller
handselling
handsels
handset
handsets
handsetting
handsew
handsewed
handsewing
handsewn
handsful
handshake
handshaker
handshakes
handshaking
handsled
handsmooth
handsome
handsomeish
handsomely
handsomeness
handsomer
handsomest
handspade
handspan
handspec
handspike
handspoke
handspring
handsprings
handstaff
handstand
handstands
handstone
handstroke
handtrap
handwaled
handwaving
handwear
handweaving
handwheel
handwhile
handwork
handworked
handworker
handworkman
handworks
handworm
handwoven
handwrist
handwrit
handwrite
handwrites
handwriting
handwritings
handwritten
handwrote
handwrought
handy
handybillies
handybilly
handyblow
handybook
handycuff
handyfight
handyframe
handygrip
handygripe
handyman
handymen
hanefiyeh
hang
hangability
hangable
hangalai
hangar
hangar's
hangared
hangaring
hangars
hangbird
hangbirds
hangby
hangdog
hangdogs
hange
hanged
hangee
hanger
hangers
hangfire
hangfires
hangie
hanging
hangingly
hangings
hangkang
hangle
hangman
hangmanship
hangmen
hangment
hangnail
hangnails
hangnest
hangnests
hangout
hangouts
hangover
hangover's
hangovers
hangs
hangtag
hangtags
hangul
hangup
hangups
hangwoman
hangworm
hangworthy
hanif
hanifism
hanifite
hanifiya
hank
hanked
hanker
hankerred
hankerer
hankerers
hankering
hankeringly
hankerings
hankers
hankie
hankies
hanking
hankle
hanks
hanksite
hankt
hankul
hanky
hanna
hannayite
hanoi
hanologate
hanover
hanoverian
hans
hansa
hansard
hanse
hanseatic
hansel
hanseled
hanseling
hanselled
hanselling
hansels
hansenosis
hanses
hansgrave
hansom
hansomcab
hansomcs
hant
hanted
hanting
haptic
haptics
haptoglobin
haptometer
haptophobia
haptophor
haptophoric
haptophobic
haptotropically
haptotropism
hapu
hapuku
haquebut
haqueton
harace
harakeke
harakiri
haram
harambee
harang
harangue
harangued
harangueful
haranguer
haranguers
harangues
haranguing
haras
harass
harassable
harassed
harassedly
harasser
harassers
harasses
harassing
harassingly
harassment
harassments
harast
haratch
harateen
haraucana
harbergage
harbi
harbinge
hardcovered
hardcovers
harden
hardenability
hardenable
hardened
hardenedness
hardener
hardeners
hardening
hardenite
hardens
harder
harderian
hardest
hardfern
hardfist
hardfisted
hardfistedness
hardhack
hardhacks
hardhanded
hardhandedness
hardhat
hardhats
hardhead
hardheaded
hardheadedly
hardheadedness
hardheads
hardhearted
hardheartedly
hardheartedness
hardhewer
hardie
hardier
hardies
hardiesse
hardiest
hardihead
hardihood
hardily
hardim
hardiment
hardiness
harding
hardish
hardishrew
hardly
hardmouth
hardmouthed
hardness
hardnesses
hardnose
hardock
hardpan
hardpans
hards
hardsalt
hardscrabble
hardset
hardshell
hardship
hardship's
hardships
hardstand
hardstanding
hardstands
hardtack
hardtacks
hardtail
hardtails
hardtap
hardtaps
hardwall
hardware
hardwareman
hardwares
hardway
hardweed
hardwired
hardwood
hardwoods
hardworking
hardy
hardyhead
hardysonite
hare
hare's
harebell
harebells
harebottle
harebrain
harebrained
harebrainedly
harebrainedness
harebur
hared
hareem
hareems
harefoot
harefooted
harehearted
harehound
hareld
harelke
harelip
harelipped
harelips
harem
haremism
haremlik
harems
harengiform
harenut
hares
harewood
harfang
hariana
harianas
harico
haricot
haricots
harier
hariffe
harigalds
harijan
harijans
harikari
harim
haring
hariolate
hariolation
hariolize
harish
hark
harka
harked
harkee
harken
harkened
harkener
harkeners
harkening
harkens
harking
harks
harl
harle
harled
harleian
harlem
harlequin
harlequina
harlequinade
harlequinery
harlequinesque
harlequinic
harlequinism
harlequinize
harlequins
harling
harlock
harlot
harlot's
harlotries
harlotry
harlots
harls
harm
harmal
harmala
harmalin
harmaline
harman
harmattan
harmed
harmel
harmers
harmful
harmfully
harmfulness
harmin
harmine
harmines
harming
harminic
harmines
harmless
harmlessly
harmlessness
harmonia
harmoniacal
harmonial
harmonic
harmonica
harmonical
harmonically
harmonicalness
harmonicas
harmonichord
harmonici
harmonicism
harmonicon
harmonics
harmonies
harmonious
harmoniously
harmoniousness
harmoniphon
harmoniphone
harmonisable
harmonisation
harmonise
harmonised
harmoniser
harmonising
harmonist
harmonistic
harmonistically
harmonium
harmoniums
harmonizable
harmonization
harmonizations
harmonize
harmonized
harmonizer
harmonizers
harmonizes
harmonizing
harmonogram
harmonograph
harmonometer
harmony
harmoot
harmost
harmotome
harmotomic
harmout
harmproof
harms
harn
harness
harnessed
harnesser
harnessers
harnesses
harnessing
harnessless
harnesslike
harnessry
hamp
hams
harold
haroset
haroseth
harp
harpago
harpagon
harpaxophobia
harped
harper
harperess
harpers
harpier
harpies
harpin
harping
harpingly
harplings
harpins
harpist
harpists
harpless
harplike
harpoon
harpooned
harpooneer
harpooner
harpooners
harpooning
harpoonlike
harpoons
harpress
harp
harp
harpsichon
harpsichord
harpsichordist
harpsichords
harpula
harpwaytuning
harpwise
harp
harpyl
harquebus
harquebusade
harquebuse
harquebuses
harquebusier
harquebuss
harr
harrage
harrateen
harre
harrid
harridan
harridans
harried
harrier
harriers
harries
harriet
harris
harrisite
harrison
harrowian
harrow
harrowed
harrower
harrowers
harrowing
harrowingly
harrowingness
harrowment
harrows
harrowtry
harrumph
harrumphed
harrumphing
harrumphs
harry
harrycane
harrying
hastes
hastier
hastiest
hastif
hastifly
hastifness
hastifolate
hastiform
hastile
hastilude
hastily
hastiness
hasting
hastings
hastingsite
hastish
hastive
hastler
hastula
hasty
hat
hat's
hatable
hatband
hatbands
hatbox
hatboxes
hatbrim
hatbrush
hatch
hatchability
hatchable
hatchback
hatchbacks
hatchcheck
hatched
hatchel
hatcheled
hatcheler
hatcheling
hatchelled
hatcheller
hatchelling
hatchels
hatcher
hatcheries
hatchers
hatchery
hatcheryman
hatches
hatchet
hatchet's
hatchetback
hatchetfaced
hatchetfish
hatchetfishes
hatchetlike
hatchetman
hatchets
hatchettin
hatchettine
hatchettite
hatchettolite
hatchety
hatchgate
hatching
hatchings
hatchite
hatchling
hatchman
hatchment
hatchminder
hatchway
hatchwayman
hatchways
hate
hateable
hated
hateful
hatefully
hatefulness
hatel
hateless
hatelessness
hatemonger
hatemongering
hater
haters
hates
hatful
hatfuls
hath
hatherlite
hathi
hathpace
hating
hatless
hatlessness
hatlike
hatmaker
hatmakers
hatmaking
hatpin
hatpins
hatrack
hatracks
hatrail
hatred
hatreds
hatress
hats
hatsful
hatstand
hatt
hatte
hatted
hatter
hatteria
hatterias
hatters
hattery
hatti
hatting
hattock
hatty
hau
haubergeon
hauberget
hauberk
hauberks
hauberticum
hauboис
hauchecornite
hauerite
hauflin
haugh
haughland
haughs
haught
haughtier
haughtiest
haughtily
haughtiness
haughtily

Open Source Used In CSPC_Collector 2.9.1 12330
haughtiness
haughtonite
haughty
haul
haulabout
haulage
haulages
haulageway
haulaway
haulback
haul
dailed
hauled
hauler
haulers
haulier
hauliers
hauling
haulm
haulmier
haulmoist
haulms
haulmy
haws
haulse
haulster
hault
haulyard
haulyards
haum
haunce
haunch
haunch's
haunched
hauncher
haunches
haunching
haunchless
haunchy
haunt
haunted
haunter
haunters
haunting
hauntingly
haunts
hauntary
haupia
hauriant
haurient
haua
hause
hausen
hausens
hausfrau
hausfrauen
hausfraus
hausmannite
hausse
hausseimmize
haust
haustella
haustellate
haustellated
haustellous
haustellum
haustement
haustoria
haustorial
haustorium
haustral
haustrum
haustus
haut
hautain
hautbois
haustboy
haustboyist
haustboys
haute
hautein
hautesse
hauteur
hauteurs
hauyne
hauynite
hauynophyre
hav
havage
havana
havance
havdalah
havdalahs
have
haveable
haveage
havel
haveless
havelock
havelocks
haven
haven's
haven't
havenage
havened
havener
havenership
havenet
havenful
havening
havenless
havens
haven
havenward
haver
haveral
havercake
havered
haverel
haverels
haverer
havergrass
havering
havermeal
havers
haversack
haversacks
haversian
haversine
haves
havier
havildar
having
havingness
havings
havior
havior
havior
havior
havioured
haviours
havlagah
havoc
havocked
havocker
havockers
havocking
havocs
haw
hawaii
hawaiian
hawaiians
hawaiite
hawbuck
hawcuaite
hawcubite
hawebake
hawed
hawer
hawfinch
hawfinches
hawing
hawk
hawkbill
hawkbills
hawkbit
hawked
hawker
hawkers
hawkery
hawkey
hawkeye
hawkeys
hawkie
hawkies
hawkling
hawkings
hawkings
hawkins
hawkish
hawkishly
hawkishness
hawklike
hawkmoth
hawkmoths
hawknose
hawknosed
hawknoses
hawknut
hawks
hawksbeak
hawksbill
hawkshaw
hawkshaws
headgear	headgears	headhunt	headhunted	headhunter	headhunters	headhunting	headhunts	headier	headiest	headily	headiness	heading	headings'	headkerchief
headlamp	headlamps	headland	headland's	headlands	headle	headledge
headless
headlessness
headlight
headlighting
headlights
headlike
headlied
headline
headline'd
headline'ed
headline'ing
headline
headline'd
headline'ed
headline'ing
headload
headlock
headlocks
headlong
headlongly
headlongness
headlong's
headlong'wise
headly
headman
headmark
headmaster
headmasterly
headmasters
headmastership
headmen
headmistress
headmistresses
headmistressship
headmold
headmost
headmould
headnote
headnotes
headpenny
headphone
headphones
headpiece
headpieces
headpin
headpins
headplate
headpost
headquarter
headquartered
headquartering
headquarters
headrace
headraces
headrail
headreach
headrent
headrest
headrests
headrig
headright
headring
headroom
headrooms
headrope
heads
headsail
headsails
headsaw
headscarf
headset
headsets
headshake
headshaker
headsheet
headsheets
headship
headships
headshrinker
headsill
headskin
headsman
headsman
headspace
headspace
headspring
headsquare
headstall
headstalls
headstand
headstands
headstay
headstays
headstick
headstock
headstone
headstones
headstream
headstrong
headstrongly
headstrongness
headtire
headwaiter
headwaiters
headwall
headward
headwards
headwark
headwater
headwaters
headway
headways
headwear
headwind
headwinds
headword
headwords
headwork
headworker
headworking
headworks
heady
heaf
heal
healable
heald
healer
healers
healful
healing
healingly
healless
heals
healsome
healsomeness
health
healthcare
healthcraft
healthful
healthfully
healthfulness
healthguard
healthier
healthiest
healthily
healthiness
healthless
healthlessness
healths
healthsome
healthsomely
healthsomeness
healthward
healthy
heap
heaped
heaper
heaping
heaps
heapstead
heapy
hear
hearable
heard
hearer
hearers
hearing
hearingless
hearings
hearken
hearkened
hearkener
hearkening
hearkens
hears
hearsay
hearsays
hearse
hearsecloth
hearsed
hearselike
hearses
hearsing
heart
heartache
heartaches
heartaching
heartbeat
heartbeat
heartbird
heartblock
heartblood
heartbreak
heartbreaker
heartbreaking
heartbreakingly
heartbreaks
heartbroke
heartbroken
heartbrokenly
heartbrokenness
heartburn
heartburning
heartburns
heartdeep
heartease
hearted
heartedly
heartedness
hearten
heartened
heartener
heartening
hearteningly
heartens
heartens
heartfelt
heartful
heartfully
heartfulness
heartgrief
hearth
hearthless
hearthman
hearthpenny
hearthrug
heaths
hearthside
hearthsides
hearthstead
hearthstone
hearthstones
hearthward
hearthwarming
heartier
hearties
heartiest
heartikin
heartily
heartiness
hearting
heartland
heartlands
heartleaf
heartless
heartlessly
heartlessness
heartlet
heartlike
heartling
heartly
heartnut
heartpea
heartquake
heartrending
heartrendingly
heartroot
heartrot
hearts
heartsca
heartscale
hearts ease
heartsseed
heartssete
hearthske
heartsick
heartsickening
heartsickness
heartsmitten
heartsome
heartsomely
heartsomeness
heartsore
heartsorenness
heartstring
heartstrings
hearthrob
hearthrobs
heartward
heartwarming
heartwater
heartweed
heartwise
heartwood
heartworm
heartwort
heartwounding
hearty
heat
heatable
heatdrop
heatdrops
heated
heatedly
heatedness
heaten
heater
heaterman
heaters
heatful
heath
heathberries
heathberry
heathbird
heathbrd
heathen
heathendom
heatheness
heathenesse
heathenhood
heathenise
heathenised
heathenish
heathenishly
heathenishness
heathenising
heathenism
heathenist
heathenize
heathenized
heathenizing
heathenly
heathenness
heathenry
heathens
heathenship
heather
heathered
heatheriness
heathers
heathery
heathfowl
heathier
heathiest
heathless
heathlike
heathrman
heaths
heathwort
heathy
heating
heatingly
heatless
heatlike
heatmaker
heatmaking
heatproof
heatronic
heats
heatsman
heatstroke
heatstrokes
heaume
heaumer
heaumes
heautarit
heautomorphism
heautophany
heave
heaved
heaveless
heaven
heavenful
heavenhood
heavenish
heavenishly
heavenize
heavenless
heavenlier
heavenliest
heavenlike
heavenliness
heavenly
heavens
heavenward
heavenwardly
heavenwardness
heavenwards
heaver
heavers
heaves
heavier
heavies
heaviest
heavily
heaviness
heaving
heavinsogme
heavisome
heavity
heavy
heavyback
heavyhanded
heavyhandedness
heavyheaded
heavyhearted
heavyheartedly
heavyheartedness
heavyset
heavyweight
heavyweights
heazy
hebamic
hebdomad
hebdomadal
hebdomadally
hebdomadaries
hebdomadary
hebdomader
hebdomads
hebdomarian
hebdomary
hebdomcad
hebe
hebeanthous
hebecarpous
hebecladous
hebegynous
heben
hebenon
hebeosteotomy
hebepestalous
hebephrenia
hebeophreniac
hebeophrenic
hebetate
hebetated
hebetates
hebetating
hebetation
hebetative
hebete
hebecic
hebetomy
hebetude
hebetudes
hebetudinous
hebotomy
hebraean
hebraic
hebraism
hebraist
hebraistic
hebraists
hebraization
hebraize
hebraized
hebraizes
hebraizing
hebrew
hebrews
hebrician
hebridean
hebronite
hecastotheism
hecate
hecatomb
hecatombed
hecatombs
hecatomped
hecatompedon
hecatonstylon
hecatontarchy
hecatontome
hecatophyllous
hechsmhaer
hecco
hectkaerre
hech
hechsher
hechsherim
hechshers
hecht
heck
heckelphone
heckimal
heckle
heckled
heckler
hecklers
heckles
heckling
hecks
hectar
hectare
hectares
hecte
hectic
hectical
hectically
hecticly
hecticness
hective
hectocotyl
hectocotyle
hectocotyli
hectocotyliferous
hectocotylization
hectocotylize
hectocotylus
hectogram
hectogramme
hectograms
hectograph
hectographic
hectography
hectoliter
hectoliters
hectolitre
hectometer
hectometers
hector
hectored
hectorer
hectoring
hectoringly
hectorism
hectorly
hectors
hectorship
hectostere
hectowatt
hectyi
hecuba
hed
heddle
heddlemaker
heddler
heddles
hede
hedebo
hedenbergite
heder
hederaceous
hederaceously
hederal
hederated
hederic
hederiferous
hederiform
hederigerent
hederin
hederose
heders
hedge
hedgebe
hedgeberry
hedgeborn
hedgebote
hedgebreaker
hedged
hedgehog
hedgehog's
hedgehoggy
hedgehogs
hedgehop
hedgehoppe
hedgehopped
hedgehopper
hedgehopping
hedgehops
hedgeless
hedgemaker
hedgemaking
hedgepig
hedgepigs
hedge
hedger
hedgerow
hedgerows
hedgers
hedges
hedgesmith
hedgetaper
hedgeweed
hedgewise
hedgewood
hedgier
hedgiest
hedging
hedgingly
hedgy
hedonic
hedonical
hedonically
hedonics
hedonism
hedonisms
hedonist
hedonistic
hedonistically
hedonists
hedonology
hedonophobia
hedriophthalmo
hedrocele
hedrumite
hedyphane
hee
heed
heeded
heeder
heeders
heize
heized
heizing
hejira
hejiras
hekhsher
hekhsherim
hekhshers
hektare
hektares
hekteus
hektogram
hektograph
hektoliter
hektometer
hektostere
hel
helas
helbeh
helco
helcoid
helcology
helcoplasty
helcosis
helcotic
held
heldentenor
heldentenore
heldentenors
helder
hele
helen
helena
helenin
helenoid
helenn
helepole
helewou
heliac
heliacal
heliacally
heliaeа
heliaeаn
helianthaceous
helianthic
helianthin
helianthus
helianthuses
heliast
heliastic
heliasts
heliazophyte
helibus
helical
helically
heliced
helices
helichryse
helichrysum
heliciform
helicin
helicine
helicitic
heliciticities
helicity
helicline
helicograph
helicogyrate
helicogyre
helicoid
helicoidal
helicoidally
helicoids
helicometry
helicon
heliconian
heliconist
helicons
helicoprotein
helicopt
helicopted
helicopted
helicopterial
helicopters
helicopting
helicopts
helicorubin
helicotrema
helictite
helide
helidrome
heling
helio
heliocentric
heliocentrical
heliocentrically
heliocentricism
heliocentricity
heliochrome
heliochromatic
heliochromoscopy
heliochromotype
heliocity
helioculture
heliodon
heliodor
helioelectric
helioungraving
heliouugfugal
heliogram
heliograph
heliographer
heliographic
heliographical
heliographically
heliographs
heliography
heliogravure
helioid
heliolater
heliolator
heliolatrous
heliolatry
heliolite
heliolithic
heliological
heliologist
heliology
heliometer
heliometric
heliometrical
heliometrically
heliometry
heliomicrometer
heliophilia
heliophilic
heliophilous
heliophile
heliophobia
heliophobic
heliophobic
heliophotography
heliophyllite
heliophyte
heliopore
open source used in CSPC_Collector 2.9.1

heliopticon
helios
helioscope
helioscopic
helioscopy
heliosis
heliostat
heliostatic
heliotactic
heliotaxis
heliotherapies
heliotherapy
heliothermometer
heliotrope
heliotroper
heliotropes
heliotropian
heliotropic
heliotropical
heliotropically
heliotropin
heliotropine
heliotropism
heliotropy
heliotype
heliotyped
heliotypic
heliotypically
heliotyping
heliotypography
heliotypy
heliozoan
heliozoic
helipad
helipads
heliport
heliports
helispheric
helispherical
helistop
helistops
helium
heliums
helix
helixes
helixin
helizitic
hell
hell's
hellandite
hellanodic
hellbender
hellbent
hellbore
hellborn
hellbox
hellboxes
hellbred
hellbroth
hellcat
hellcats
helldiver
helldog
helleboraceous
helleboraster
hellebore
helleborein
hellebores
helleboric
helleborin
helleborine
helleborism
helled
hellene
hellenes
hellenian
hellenic
hellenism
hellenist
hellenistic
hellenists
hellenization
hellenize
heller
helleri
helleries
hellers
hellery
hellespont
hellfire
hellfires
hellgrammite
hellgrammites
hellhag
hellhole
hellholes
helminthism
helminthite
helminthoid
helminthologic
helminthological
helminthologist
helminthology
helminthophobia
helminthosporiose
helminthosporoid
helminthous
helminths
helmless
helms
helmsman
helmsmanship
helmsmen
helobious
heloderm
helodermatoid
helodermatous
helodes
heloe
heloma
helonin
helosis
helot
helotage
helotages
helotism
helotisms
helotize
helotomy
helotries
helotry
helots
help
helpable
helped
helper
helpers
helpful
helpfully
helpfulness
helping
helpingly
helpings
helpless
helplessly
helplessness
helply
helpmate
helpmates
helpmeet
helpmeets
helps
helpsome
helpworthy
helsingkite
helsinki
helterskelteriness
helve
helved
helvell
helvellaceous
helvellic
helver
helves
helvetic
helvetii
helvin
helvine
helving
helvite
helzel
hem
hem's
hemabarometer
hemachate
hemachrome
hemachrosis
hemacite
hemacytometer
hemad
hemadrometer
hemadrometer
hemadrometry
hemadromograph
hemadromometer
hemadmynameter
hemadynamic
hemadynamics
hemadmynamometer
hemafibrite
hemagglutinate
hemagglutinated
hemagglutinating
hemagglutination
hemagglutinative
hemagglutinin
hemagog
hemagologic
hemagog
hemagoga
hemal
hemalbumen
hemameba
hemamoeba
heman
hemanalysis
hemangioma
hemangiomas
hemangiomas
hemangiomatosis
hemangiosarcoma
hemaphein
hemaphobia
hemapod
hemapodous
hemapoiesis
hemapoietic
hemapophyseal
hemapophysial
hemapophysis
hemarthrosis
hemase
hemaspectroscope
hemastatics
hematachometer
hematachometry
hematal
hematein
hemateins
hematemesis
hematemetic
hematencephalon
hematherapy
hematherm
hemathermal
hemathermous
hemathidrosis
hematic
hematics
hematid
hematidrosis
hematimeter
hematin
hematine
hematines
hematinic
hematinometer
hematinometric
hematins
hematinuria
hematite
hematites
hematitic
hematobic
hematobious
hematobium
hematoblast
hematoblastic
hematobranchiate
hematocatharsis
hematocathartic
hematocele
hematochezia
hematochrome
hematochyluria
hematoclasis
hematoclasia
hematocolpus
hematocrit
hematocryal
hematocrystallin
hematocyanin
hematocyst
hematocystis
hematocyte
hematocytoblast
hematocytogenesis
hematocytometer
hematocytotriipsis
hematocyttozoon
hematocythuria
hematodynamics
hematodynamometer
hematodystrophy
hematogen
hematogenesis
hematogenetic
hematogenic
hematogenous
hematoglobulin
hematography
hematohidrosis
hematoid
hematoidin
hematoids
hematolin
hematolite
hematologic
hematological
hematologies
hematologist
hematologists
hematology
hematolymphangioma
hematolysis
hematolytic
hematoma
hematomancy
hematomas
hematomata
hematometer
hematometra
hematometry
hematomphalocele
hematomyelia
hematomyelitis
hematonephrosis
hematonic
hematopathology
hematopericardium
hematopexis
hematophagous
hematophobia
hematophyte
hematoplast
hematoplastic
hematopoiesis
hematopoietic
hematopoietically
hematoporphyrnia
hematoporphyrin
hematoporphyrinuria
hematorrhachis
hematorrhea
hematosalpinx
hematoscope
hematoscopy
hematose
hematosepsis
hematosin
hematosis
hematospectrophotometer
hematospectroscope
hematosperma
hematosperma
hematostibiite
hematotherapy
hematothermal
hematotherax
hemotoxic
hematoxylic
hematoxylin
hematozoa
hematozoal
hematozoan
hematozoic
hematozoan
hematozoon
hematozynosis
hematozymotic
hematozoa
hematuresis
hematuria
hematuric
hemautogram
hemautograph
hemautographic
hemautography
heme
hemellitene
hemellitic
hemelytra
hemelytral
hemelytron
hemelytrum
hemelytra
hemen
hemera
hemeralope
hemeralopia
hemeralopic
hemerobian
hemerocallis
hemerologium
hemerology
hemerythrin
hemes
hemiablepsia
hemiacetal
hemiachromatopsia
hemageusia
hemiaugeustia
hemialbumin
hemialbumose
hemialbomosuria
hemialgia
hemimamaurosis
hemiamb
hemiambylopia
hemiamyosthenia
hemianacusia
hemianalgesia
hemianatropous
hemianesthesia
hemianopia
hemianopic
hemianopsia
hemianoptic
hemianosmia
hemiapraxia
hemiasynergia
hemiataxia
hemiataxy
hemiathetosis
hemiatrophy
hemiauxin
hemizygous
hemibasidium
hemibathybian
hemibenthesic
hemibenthonic
hemibranch
hemibranchiate
hemic
hemicanities
hemicardia
hemicardiac
hemicarp
hemicatalepsy
hemicataleptic
hemicellulose
hemicentrum
hemicephalous
hemicerebrum
hemicholinium
hemichordate
hemichorea
hemichromatopsia
hemicircle
hemicircular
hemiclastic
hemicollin
hemicrane
hemicrania
hemicranic
hemicrany
hemicrystalline
hemicycle
hemicyclic
hemicyclium
hemicylindrical
hemidactyl
hemidactylyous
hemidemisemiquaver
hemidiapente
hemidiaphoresis
hemiditone
hemidomatic
hemidome
hemidrachm
hemidysergia
hemidysesthesia
hemidystrophy
hemiekton
hemielliptic
hemielytra
hemielytral
hemielytron
hemiepes
hemiepilepsy
hemifacial
hemiform
hemigastrectomy
hemigeusia
hemiglobin
hemiglossal
hemiglossitis
hemiglyph
hemignathous
hemihdry
hemihedral
hemihedrally
hemihedric
hemihedrism
hemihedron
hemiholohedral
hemihydrate
hemihydrated
hemihydrosis
hemihypalgesia
hemihyperesthesia
hemihyperidrosis
hemihypertonia
hemihypertrophy
hemihypesthesias
hemihypoesthesias
hemihypotonia
hemikaryon
hemikaryotic
hemilaminecctomy
hemilaryngectomy
hemilethargy
hemiligulate
hemilingual
hemimellitene
hemimellitic
hemimelus
hemimetabola
hemimetabole
hemimetabolic
hemimetabolism
hemimetabolous
hemimetabolony
hemimetamorphic
hemimetamorphosis
hemimetamorphous
hemimorph
hemimorphic
hemimorphism
hemimorphicite
hemimorphhy
hemin
hemina
hemine
heminee
hemineurasthenia
hemingway
heminis
hemiobol
hemiramph
hemiramphine
hemisaprophyte
hemisaprophytic
hemiscotosis
hemisect
hemisection
hemispasm
hemispheral
hemisphere
hemisphere's
hemisphered
hemispheres
hemispheric
hemispherical
hemispherically
hemispheroid
hemispherooidal
hemispherule
hemistater
hemistich
hemistichal
hemistichs
hemistrumectomy
hemisymmetrical
hemisymmetry
hemisystematic
hemisystole
hemiterata
hemiteratic
hemiteratics
hemiteria
hemiterpene
hemitery
hemithyroidectomy
hemitone
hemitremer
hemitrichous
hemitriglyph
hemitropal
hemitrope
hemitropic
hemitropism
hemitropous
hemitropy
hemitype
hemitypic
hemivagotony
hemizygote
hemizygous
heml
hemline
hemlines
hemlock
hemlock's
hemlocks
hemmed
hemmel
hemmer
hemmers
hemming
hemoalkalimeter
hemoblast
hemochromatosis
hemochromatotic
hemochrome
hemochromogen
hemochromometer
hemochromometry
hemoclasis
hemoclasis
hemoclastic
hemocoele
hemocoele
hemocoelic
hemocoelom
hemocoels
hemoconcentration
hemoconia
hemoconiosis
hemocry
hemocrystallin
hemoculture
hemocyanin
hemocyte
hemocytes
hemocytoblast
hemocytoblastic
hemocytogenesis
hemocytolysis
hemocytometer
hemocytotripsis
hemocytotozoon
hemocyturia
hemodia
hemodiagnosis
hemodialyses
hemodialysis
hemodialyzer
hemodilution
hemodrometer
hemodrometry
hemodromograph
hemodromometer
hemodynameter
hemodynamic
hemodynamically
hemodynamics
hemodystrophy
hemoerythrin
hemoflagellate
hemofuscin
hemogastric
hemogenesis
hemogenetic
hemogena
hemogenic
hemogenous
hemoglobic
hemoglobin
hemoglobinemia
hemoglobininy
hemoglobininc
hemoglobiniferous
hemoglobinocholia
hemoglobinometer
hemoglobinopathy
hemoglobinophilic
hemoglobininous
hemoglobinuria
hemoglobinuric
hemoglobulin
hemogram
hemogregarine
hemoid
hemokonia
hemokoniosis
hemol
hemoleucocyte
hemoleucocytic
hemologist
hemology
hemolymph
hemolymphatic
hemolylysate
hemolysin
hemolysis
hemolytic
hemolyze
hemolyzed
hemolyzes
hemolyzing
hemomanometer
hemometer
hemometry
hemonephrosis
hemopathology
hemopathy
hemopericardium
hemoperitoneum
hemopexis
hemophage
hemophagia
hemophagocyte
hemophagocytosis
hemophagous
hemophagy
hemophile
hemophilia
hemophilic
hemophilic
hemophilioid
hemophobia
hemophthalmia
hemophthisis
hemopiezometer
hemoplasmodium
hemoplastic
hemopneumothorax
hemopod
hemopoiesis
hemopoietic
hemoproctia
hemoprotein
hemoptoe
hemoptysis
hemopyrrole
hemorrhage
hemorrhaged
hemorrhages
hemorrhagic
hemorrhaging
hemorhea
hemorrhodin
hemorrhoid
hemorrhoidal
hemorrhoidectomy
hemorrhoids
hemosalpinx
hemoscope
hemoscopy
hemosiderin
hemosiderosis
hemosiderotic
hemospasia
hemospastic
hemospermia
hemosporid
hemosporidian
hemostasia
hemostasis
hemostat
hemostatic
hemostats
hemotachometer
hemotherapeutics
hemotherapy
hemotherax
hemotoxic
hemotoxin
hemotrophe
hemotropic
hemotrophic
hemozoon
hemp
hempbush
hempen
hempherds
hempie
hempier
hempiest
hemplike
hemp
hempseed
hempseeds
hempstring
hempweed
hempweeds
hempwort
hempy
hems
hemself
hemstitch
hemstitched
hemstitcher
hemstitches
hemstitching
hemule
hen
hen's
henad
henbane
henbanes
henbill
henbit
henbits
hence
henceforth
henceforward
henceforwards
henchboy
henchman
henchmanship
henchmen
hencoop
hencoops
hencote
hend
hendecacolic
hendecagon
hendecagonal
hendecahedra
hendecahedral
hendecahedron
hendecahedrons
hendecane
hendecasemic
hendecasyllabic
hendecasyllable
hendecatoic
hendecoic
hendedra
hendiadys
hendly
hendness
hendy
heneicosane
hene
henequen
henequens
henequin
henequins
henfish
heng
henge
hengest
henhawk
henhearted
henheartedness
henhouse
henhouses
henhussies
henhussy
heniquen
heniquens
henism
henlike
henmoldy
henna
hennaed
henning
hennas
henneries
hennery
hennes
hennin
hennish
henny
henogeny
henotheism
henotheist
henotheistic
henotic
henpeck
henpecked
henpecking
henpecks
henpen
henries
henroost
henry
henrys
hens
hent
hepatisation
hepatise
hepatised
hepatising
hepatite
hepatitis
hepatization
hepatize
hepatized
hepatizes
hepatizing
hepatocoele
hepatocellular
hepatocirrhosis
hepatocolic
hepatocystic
hepatocyte
hepatoduodenal
hepatoduodenostomy
hepatodynamia
hepatodysentery
hepatoenteric
hepatoflavin
hepatogastric
hepatogenic
hepatogenous
hepatography
hepatoid
hepatolenticular
hepatolith
hepatolithiasis
hepatolithic
hepatological
hepatologist
hepatology
hepatolysis
hepatolytic
hepatoma
hepatomalacia
hepatomas
hepatomata
hepatomegalia
hepatomegaly
hepatomelanosis
hepatonephric
hepatopancreas
hepatopathy
hepatoperitonitis
hepatopexia
hepatopexy
hepatophlebitis
hepatophlebotomy
hepatophyma
hepatopneumonic
hepatoportal
hepatoptosis
hepatopulmonary
hepatorenal
hepatorrhagia
hepatorrhaphy
hepatorrhea
hepatorrhesis
hepatorrhoea
hepatoscopies
hepatoscopy
hepatostomy
hepatotherapy
hepatotomy
hepatotoxemia
hepatotoxic
hepatotoxicity
hepatotoxin
hepatoumbilical
hepburn
hepcat
hepcats
hephaestus
hephthemimer
hephthemimeral
hepialid
heppen
hepper
hepplewhite
heptacapsular
heptace
heptachlor
heptachord
heptachronous
heptacolic
heptacosane
heptad
heptadecane
heptadecyl
heptadic
heptads
heptaglot
heptagon
heptagonal
heptagons
heptagrid
heptagynia
heptagynous
heptahedra
heptahedral
heptahedrdra
heptahedral
heptahedron
heptahedrons
heptahexahedral
heptahydrate
heptahydrated
heptahydric
heptahydroxy
heptal
heptameride
heptameric
heptameter
heptameters
heptamethylene
heptametrical
heptanaphthene
heptandria
heptandrous
heptane
heptanes
heptangular
heptanoic
heptanone
heptapetalous
heptaphyllous
heptaploid
heptaploidy
heptapodic
heptapody
heptarch
heptarchal
heptarchic
heptarchical
heptarchies
heptarchist
heptarchs
heptarchy
heptasemic
heptasepalous
heptaspermous
heptastich
heptastrophic
heptastylar
heptastylic
heptastylos
heptasulphide
heptasyllabic
heptasyllable
heptateuch
heptatonic
heptatomic
heptatonic
heptavalent
heptene
hepteris
heptine
heptite
heptitol
heptode
heptonic
heptorite
heptose
heptoses
heptoxide
heptyl
heptylene
heptylic
heptyne
her
her'n
hera
heraclean
heracleid
heracleonite
heraclitean
heracles
herald
heralded
heraldress
heraldist
heraldists
heraldize
heraldries
heraldry
heralds
heraldship
herapathite
heraud
heraus
herb
herb's
herba
herbaceous
herbaceously
herbage
herbaged
herbager
herbages
herbagious
herbal
herbalism
herbalist
herbalists
herbalize
herbals
herbane
herbar
herbarbaria
herbaria
herbarial
herbarian
herbariia
herbariums
herbarism
herbarist
herbarium
herbariums
herbarize
herbarized
herbarizing
herbary
herbbane
herber
herbergage
herberger
herbert
herbescent
herbicidal
herbicidally
herbicide
heresiology
heresy
heresyphobia
heresyproof
heretic
heretic's
heretical
heretically
hereticalness
hereticate
hereticated
heretication
hereticator
hereticide
hereticize
heretics
hereto
heretoch
heretofore
heretoforetime
heretoga
heretrices
heretrix
heretrixes
hereunder
hereunto
hereupon
hereupto
hereward
herewith
herewithal
herezeld
herigaut
herile
heriot
heriotable
heriots
herisson
heritabilities
heritability
heritable
heritably
heritage
heritages
heritance
heritor
heritors
heritress
heritrices
heritrix
heritrixes
herl
herling
herls
hern
herma
hermae
hermaean
hermai
hermaic
herman
hermandad
hermaphrodeity
hermaphrodisim
hermaphrodite
hermaphrodites
hermaphroditic
hermaphroditical
hermaphroditically
hermaphroditish
hermaphroditism
hermaphroditize
hermaphroditus
hermatyptic
hermele
hermeneut
hermeneutic
hermeneutical
hermeneutically
hermeneutics
hermeneutist
hermes
hermetic
hermetical
hermetically
hermeticism
hermetics
hermetism
hermetist
hermi
hermidin
hermit
hermit's
hermitage
hermitages
hermitary
hermitess
hermitian
hermitic
hermitical
hermitically
hermitish
hermitism
hermitize
hermitlike
hermitries
hermity
hermits
hermitship
hermodact
hermodactyl
hermogenian
hermogeniarnun
hermoglyphic
hermoglyphist
hermokopid
herms
hern
hernandiaceous
hernanesell
hernani
hernant
herne
hernia
hemiae
hernial
herniarin
herniary
hernias
herniate
herniated
herniates
herniating
herniation
herniations
hernioenterotomy
hernioid
herniology
hernioplasties
hernioplasty
herniopuncture
herniorrhaphies
herniorrhaphy
herniotome
herniotomies
herniotomist
herniotomy
herns
hernsew
hernshaw
hero
heroarchy
herodian
herodionine
heroes
heroess
herohead
herohood
heroic
heroical
heroically
heroicalness
heroicity
heroically
heroicness
heroiccomic
heroicomical
heroics
heroid
heroify
heroin
heroine
heroine's
heroines
heroinship
heroinism
heroinize
heroins
heroism
heroisms
heroistic
heroization
heroize
heroized
heroizes
heroizing
herola
herolike
heromonger
heron
heron's
heronbill
heroner
heronite
heronries
heronry
herons
heronsee
heroogony
heroologist
heroology
heros
heroship
herotheism
heroworshipper
herp
herpangina
herpes
herpeses
herpestine
herpesvirus
herpet
herpetic
herpetiform
herpetism
herpetography
herpetoid
herpetologic
herpetological
herpetologically
herpetologist
herpetologists
herpetology
herpetomonad
herpetophobia
herpetotomist
herpetotomy
herpolhode
herquein
herr
herrengrundite
herrenvolk
herrgrdsost
herried
herries
herring
herring's
herringbone
herringbones
herringer
hesperian
hesperid
hesperidate
hesperidene
hesperideoes
hesperides
hesperidia
hesperidin
hesperidium
hesperid
hesperinon
hesperinos
hesperitin
hesperornis
hesperornithid
hesperornithoid
hesperus
hessian
hessians
hessite
hessites
hessonite
hest
hestern
hesternal
hestogenous
hestia
hests
hesychast
hesychastic
het
hetaera
hetaeae
hetaeas
hetaeria
hetaeric
hetaerio
hetaerism
hetaerist
hetaeristic
hetaerocracy
hetaerolite
hetaery
hetaira
hetairai
hetairas
hetairia
hetairic
hetairism
hetairist
hetairistic
hetairy
hetchel
hete
heteradenia
heteradenic
heterakid
heterandrous
heterandry
heteratomic
heterauxesis
heteraxial
heterogenous
heteric
heterically
hetericism
hetericist
heterism
heterization
heterize
hetero
heteroagglutinin
heteroalbumose
heteroaromatic
heteroatom
heteroatomic
heteroautotrophic
heteroauxin
heteroblastic
heteroblastically
heteroblasty
heterocarpism
heterocarpous
heterocarpism
heterocaryon
heterocaryosis
heterocaryotic
heterocaseose
heterocellular
heterocentric
heterocephalous
heterocerc
heterocercal
heterocercality
heterocercy
heterocerous
heterochiral
heterochlamydeous
heterochromatic
heterochromatin
heterochromatism
heterochromatization
heterochromatized
heterochrome
heterochromia
heterochromic
heterochromosome
heterochromous
heterochromy
heterochronic
heterochronism
heterochronistic
heterochronous
heterochrony
heterochrosis
heterochthon
heterochthonous
heteroclinc
heteroclinous
heteroclital
heteroclite
heteroclitic
heteroclitica
heteroclitical
heterocлит loos
heterocoelous
heterocline
heterocyst
heterocystous
heterodactyl
heterodactyrous
heterodont
heterodontism
heterodontoid
heterodox
heterodoxal
heterodoxical
heterodoxies
heterodoxly
heterodoxness
heterodoxy
heterodromous
heterodromy
heterodyne
heterodyned
heterodyning
heteroecious
heteroeciously
heteroeciousness
heteroecism
heteroecismal
heteroecy
heteroepic
heteroepy
heteroerotic
heteroerotism
heterofermentative
heterofermentation
heterogalactic
heterogamete
heterogametic
heterogametism
heterogamety
heterogamic
heterogamous
heterogamy
heterogangliate
heterogen
heterogene
heterogeneal
heterogenean
heterogeneities
heterogeneity
heterogeneous
heterogeneously
heterogeneousness
heterogenesis
heterogenetic
heterogenetically
heterogenic
heterogenicity
heterogenisis
heterogenist
heterogenous
heterogeny
heteroglobulose
heterognath
heterognathose
heterogonous
heterogonism
heterogonous
heterometabolous
heterometaboly
heterometatrophic
heterometric
heteromorphic
heteromorphism
heteromorphite
heteromorphosis
heteromorphous
heteromorphy
heteromyarian
heteronereid
heteronereis
heteronomic
heteronomous
heteronomously
heteronomy
heteronuclear
heteronym
heteronymic
heteronymous
heteronymously
heteronymy
heterousia
heterousian
heterousious
heteropathic
heteropathy
heteropelmaeous
heteropetalous
heterophagous
heterophasia
heterophemism
heterophemist
heterophemistic
heterophemize
heterophemy
heterophil
heterophile
heterophilic
heterophobia
heterophonic
heterophony
heterophoria
heterophylactic
heterophyletic
heterophyllous
heterophylly
heterophylly
heterophyte
heterophytic
heteroplasia
heteroplasma
heteroplasm
heteroplasic
heteroplasmic
heteroplastic
heteroplasies
heteroplasty
heteroploid
heteroploidy
heteropod
heteropoda
heteropodal
heteropodous
heteropolar
heteropolarity
heteropoly
heteropolysaccharide
heteroproteide
heteroproteose
heteropter
heteroptera
heteropterous
heteroptics
heteropycnosis
heteros
heteroscedasticity
heteroscelid
heteroscope
heteroscopy
heteroses
heterosex
heterosexual
heterosexuality
heterosexually
heterosexuals
heteroside
heterosis
heterosomatous
heterosome
heterosomeous
heterosphere
heterospheric
heterosphorous
heterospory
heterostatic
heterostemonous
heterostracan
heterostrophic
heterostrophous
heterostrophy
heterostructure
heterostyled
heterostylism
heterostyly
heterosuggestion
heterosyllabic
heterotactic
heterotactous
heterotaxia
heterotaxic
heterotaxis
heterotaxy
heterotelic
heterotelism
heterothallic
heterothallism
heterothermal
heterothermic
heterotic
heterotopia
heterotopic
heterotopism
heterotopous
heterotomy
heterotransplant
heterotransplantation
heterotrich
heterotrichosis
heterotrichous
heterotropical
heterotrophic
heterotrophically
heterotrophy
heterotropia
heterotropic
heterotropous
heterotype
heterotypic
heterotypical
heteroxanthine
heteroxenous
heterozetes
heterozygosis
heterozygosity
heterozygote
heterozygotes
heterozygotic
heterozygous
heterozygousness
heth
hethen
hething
heths
hetman
hetmanate
hetmans
hetmanship
hetter
hetterly
heau
heuch
heuchs
heugh
heughs
heuk
heulandite
heumite
heureka
heuretic
heuristic
heuristic's
heuristically
heuristics
heuvel
hevea
heved
hevi
hew
hewable
hewe
hewed
hewel
hewer
hewers
hewettle
hewgag
hewgh
hewhall
hewhole
hewing
hewn
hews
hewt
hex
hexa
hexabetic
hexabiose
hexabromid
hexabromide
hexacanth
hexacanthous
hexacapsular
hexacarbon
hexace
hexachlorophene
hexachlorehthane
hexachloride
hexachlorocyclohexane
hexachloroethane
hexachlorophene
hexachord
hexachronous
hexacid
hexacolic
hexacorallan
hexacosane
hexacosihedroid
hexact
hexactinal
hexactine
hexactinellid
hexactinellidan
hexactinelline
hexactinian
hexacyclic
hexad
hexadactyle
hexadactylic
hexadactylism
hexadactylos
hexadactyly
hexadd
hexade
hexadecahedroid
hexadecane
hexadecanoic
hexadecene
hexadecimal
hexadecyl
hexades
hexadic
hexadiene
hexadiine
hexadiyne
hexads
hexaemeric
hexaemeron
hexafluoride
hexafoil
hexaglot
hexagon
hexagonal
hexagonally
hexagonial
hexagonical
hexagonous
hexagons
hexagram
hexagrammoid
hexagrams
hexagyn
hexagynia
hexagynian
hexagynous
hexahedra
hexahedral
hexahedron
hexahedrons
hexahemeric
hexahemeron
hexahydrate
hexahydrated
hexahydric
hexahydride
hexahydrite
hexahydrobenzene
hexahydrothymol
hexahydroxy
hexahydroxycyclohexane
hexakisoctahedron
hexakistetrahedron
hexamer
hexameral
hexameric
hexamerism
hexameron
hexamerous
hexameter
hexameters
hexamethonium
hexamethylenamine
hexamethylene
hexamethylenetetramine
hexametral
hexametric
hexametrical
hexametrism
hexametrize
hexametrographer
hexamine
hexamines
hexamitiasis
hexammin
hexammine
hexammino
hexanal
hexanaphthene
hexandria
hexandric
hexandrous
hexandry
hexane
hexanedione
hexanes
hexangle
hexangular
hexangularly
hexanitrate
hexanitrodiphenylamine
hexapartite
hexaped
hexapetaloid
hexapetaloidous
hexapetalous
hexaphyllous
hexapla
hexaplar
hexaplarian
hexaplaric
hexaplas
hexaploid
hexaploidy
hexapod
hexapodal
hexapodan
hexapodic
hexapodies
hexapodous
hexapods
hexapody
hexapterous
hexaradial
hexarch
hexarchies
hexarchy
hexascha
hexaseme
hexasemic
hexasepalous
hexaspermous
hexastemonous
hexaster
hexastich
hexasticha
hexastichic
hexastichon
hexasticious
hexastichy
hexastigm
hexastylar
hexastyle
hexastylos
hexasulphide
hexasyllabic
hexasyllable
hexatetrahedron
hexateuch
hexathlon
hexatomic
hexatriacontane
hexatriose
hexavalent
hexaxon
hexdra
hexecontane
hexed
hexenbesen
hexene
hexer
hexerei
hexereis
hexeris
hierarch
hierarchal
hierarchial
hierarchic
hierarchical
hierarchically
hierarchies
hierarchise
hierarchised
hierarchising
hierarchism
hierarchist
hierarchize
hierarchized
hierarchizing
hierarchs
hierarchy
hierarchy's
hieratic
hieratica
hieratical
hieratically
hieraticism
hieratite
hierocracies
hierocracy
hierocratic
hierocratical
hierodeacon
hierodule
hierodulic
hierogamy
hieroglyph
hieroglypher
hieroglyphic
hieroglyphical
hieroglyphically
hieroglyphics
hieroglyphist
hieroglyphize
hieroglyphologist
hieroglyphology
hieroglyphy
hierogram
hierogrammat
hierogrammate
hierogrammateus
hierogrammatic
hierogrammatical
hierogrammatist
hierograph
hierographer
hierographic
hierographical
hierography
hierolatry
hierologic
hierological
hierologist
hierology
hieromachy
hieromancy
hieromartyr
hieromnemon
hieromonach
hieromonk
hieron
hieronymian
hieronymite
hieropathic
hierophancy
hierophant
hierophantes
hierophantic
hierophantically
hierophanticly
hierophants
hierophobia
hieros
hieroscopy
hierosolymitan
hierurgical
hierurgies
hierurgy
hies
hifalutin
hifalutin'
higdon
higgaion
higginsite
higgle
higgled
higgleshaggle
higgler
higglers
higglery
higgles
higgling
high
highball
highbullied
highballing
highballs
highbelia
highbinder
highbinding
highboard
highborn
highboy
highboys
highbred
highbrow
highbrowed
highbrowism
highbrows
highbush
highchair
highchairs
highdaddies
highdaddy
higher
highermost
highest
highfalutin
highfalutin'
highfaluting
highfalutinism
highflier
highflyer
highflying
highhanded
highhandedly
highhandedness
highhat
highhatting
highhearted
highheartedly
highheartedness
highholder
highhole
highish
highjack
highjacked
highjacker
himanopos
himati
himatia
himation
himations
himene
himming
himne
himp
himple
himself
himward
himwards
himarye
himyari
hin
hinau
hinayana
hinch
hind
hindberry
hindbrain
hindcast
hinddeck
hinder
hinderance
hindered
hinderer
hinderers
hinderest
hinderful
hinderfully
hindering
hinderingly
hinderlands
hinderings
hinderlins
hinderly
hinderment
hindermost
hinders
hindersome
hindgut
hindguts
hindhand
hindhead
hindi
hindmost
hinterlands
hinters
hinting
hintingly
hintproof
hints
hintzeit
hiodont
hiortdahlite
hip
hip's
hipberry
hipbone
hipbones
hipe
hipster
hipflask
hiphalt
hiphape
hiphuggers
hiplength
hipless
hipline
hipmi
hipmold
hipness
hipnesses
hippalectryon
hipparch
hipparchs
hipparion
hippeastrum
hipped
hippen
hipper
hippest
hippi
hippian
hippiater
hippiatric
hippiatrical
hippiatrics
hippiatrist
hippiatry
hippic
hippie
hippiedom
hippiehood
hippie
derhippies
dhippiest
dhipping
dhippish

hipple
hippo
hippoboscid
hippocamp
hippocampal
hippocampi
hippocampine
hippocampus
hippocastanaceous

hippocaust
hippocentaur
hippocentauric
hippocerf
hippocoprosterol
hippocras
hippocrateaceous

hippocrates
hippocratic
hippocratism
hippocrene
hippocrepian
hippocrepiform

hippodame
hippodamous
hippodrome
hippodromes

hippodromic
hippodromist
hippogastronomy

hippogriph

hippogriffin

hippogryph

hippoid

hippolith

hippological

hippologist

hippolytus

hippomachy

hippomancy

hippomanes
hippomelanin
hippomenes
hippometer
hippometric
hippometry
hipponosological
hipponosology
hipponous
hippopathological
hippopathology
hippophagi
hippophagism
hippophagist
hippophagistical
hippophagous
hippophagy
hippophile
hippophobia
hippopod
hippopotami
hippopotamian
hippopotamic
hippopotamine
hippopotamoid
hippopotamus
hippopotamuses
hippos
hippotigrine
hippotomical
hippotomist
hippotomy
hippotragine
hippurate
hippuria
hippuric
hippurid
hippurite
hippuritic
hippuritoid
hippus
hippy
hips
hipshot
hipster
hipsterism
hipsters
hipwort
hir
hirable
hiragana
hiraganas
hircarra
hircic
hircin
hircine
hircinous
hircocerf
hircocervus
hircosity
hircus
hire
hireable
hired
hireless
hireling
hirelings
hireman
hiren
hirer
hirers
hires
hiring
hirings
hirling
hirmologion
hirmos
hiro
hironnelle
hiroshima
hirple
hirpled
hiples
hirpling
hirrient
hirse
hirsel
hirseled
hirseling
hirselled
hirselling
hirsels
hirsle
hirsled
hirsles
hirsling
hirst
hirstie
hirsute
hirsuteness
hirsuties
hirsutism
hirsutulous
hirtch
hirtellous
hirudin
hirudinal
hirudine
hirudinean
hirudiniculture
hirudinize
hirudinoid
hirudins
hirudence
hirundinous
his
his’n
hish
hisingerite
hisis
hislopite
hisn
hispanic
hispanics
hispanidad
hispaniola
hispaniolate
hispanism
hispano
hispid
hispidity
hispidulate
hispidulous
hiss
hissed
hissel
hisself
hisser
hissers
hisses
hissing
hissingly
hissings
hissproof
hissy
histologic
histological
histologically
histologies
histologist
histologists
histology
histolysis
histolytic
histometabasis
histomorphological
histomorphologically
histomorphology
histon
histonal
histone
histones
histonomy
histopathologic
histopathological
histopathologically
histopathologist
histopathology
histophyly
histophysiology
histophysiological
histophysiology
histoplasmin
histoplasmosis
historial
historian
historian's
historians
historiated
historic
historical
historically
historicalness
historician
historicism
historicist
historicity
historicize
historicocabbalistical
historicocritical
historicocultural
historicodogmatic
historicogeographical
historicophilosophica
historicophysical
historicopolitical
historicoprophetic
historicoreligious
historics
historicus
historied
historier
histories
historiette
historify
historiograph
historiographer
historiographers
historiographership
historiographic
historiographical
historiographically
historiographies
historiography
historiological
historiography
historiometric
historiometry
historionomer
historious
historism
historize
history
history's
histotherapist
histotherapy
histothrombin
histotome
histotomies
histotomy
histotrophic
histotrophy
histotropic
histozoic
histozyme
histrio
histrion
histrionic
histrionical
histrionically
histrionicism
hoarsening
hoarsens
hoarser
hoardest
hoarstone
hoarwort
hoary
hoaryheaded
hoast
hoastman
hoatching
hoatzin
hoatzines
hoatzins
hoax
hoaxability
hoaxable
hoaxed
hoaxee
hoaxer
hoaxers
hoaxes
hoaxing
hoaxproof
hoazin
hob
hobbed
hobber
hobbesian
hobbet
hobbies
hobbil
hobbing
hobbinoll
hobbism
hobbit
hobble
hobblebush
hobbled
hobbledhoy
hobbledhoydom
hobbledhoyhood
hobbledhoyish
hobbledhoyishness
hobbledhoyism
hobbledhoys
hobbledygee
hobbler
hockamore
hocked
hockelty
hocker
hockers
hocket
hockey
hockeys
hocking
hockle
hockled
hockling
hockmoney
hocks
hockshin
hockshop
hockshops
hocktide
hooky
hocus
hocused
hocuses
hocusing
hocussed
hocusses
hocussing
hod
hodad
hodaddies
hodaddy
hodads
hodden
hoddens
hodder
hoddin
hoddins
hoddle
hoddy
hoddypeak
hodening
hodful
hodge
hodgepodge
hodgepodges
hodgkinsonite
hodiernal
hodman
hodmandod
hogtiing
hogton
hogytitying
hogward
hogwash
hogwashes
hogweed
hogweeds
hogytort
hogyard
hogenstaufens
hogenzollern
hoho
hoh
hoick
hoicked
hoicking
hoicks
hoiden
hoidened
hoidening
hoidenish
hoidens
hohere
hoin
hoise
hoised
hoises
hoising
hoist
hoistaway
hoisted
hoister
hoisters
hoisting
hoistman
hoists
hoistway
hoit
hoju
hoke
hoked
hoker
hokerer
hokerly
hokes
hokey
hokeyness
hole
holeable
holectypoid
holed
holeless
holeman
holeproof
holer
holes
holethic
holethnos
holewort
holey
holgate
holi
holia
holibut
holibuts
holidam
holiday
holiday's
holidayed
holidayer
holidaying
holidayism
holidaymaker
holidaymaking
holidays
holier
holies
holiest
holily
holiness
holinesses
holing
holinight
holishkes
holism
holisms
holist
holistic
holistically
holists
holk
holked
holking
holks
holl
holla
hollaed
hollaing
hollaite
holland
hollandaise
hollander
hollanders
hollandite
hollands
hollantide
hollas
holleke
holler
hollered
hollering
hollers
hollies
hollin
holliper
hollo
holloa
holloaed
holloaing
holloas
hollock
holloed
holloes
holloing
hollong
holloo
hollooed
hollooing
holloos
hollos
hollow
holloware
hollowed
hollower
hollowest
hollowfaced
hollowfoot
hollowhearted
hollowheartedness
hollowing
hollowly
hollowness
hollowroot
hollows
hollowware
holluschick
holluschickie
holly
hollyhock
hollyhocks
hollyleaf
hollywood
holm
holmberg
holm
holmberg
holmia
holmic
holmium
holmiums
holmos
holms
holobaptist
holobenthic
holoblastic
holoblastically
holobranch
holocaine
holocarpic
holocarpous
holocaust
holocaustal
holocaustic
holocausts
holocene
holocentrid
holocentroid
holocephalan
holocephalian
holocephalous
holochoanitic
holochoanoid
holochoanoidal
holochordate
holochoral
holoelastic
holocrine
holocryptic
holocrystalline
holodactylic
holodedron
holoenzyme
holofernes
hologamous
hologamy
hologastrula
hologastrular
holognathous
hologonidia
hologonidium
hologoninidia
hologram
hologram's
holograms
holograph
holographic
holographical
holographically
holographies
holographs
holography
hologynic
hologynies
hologyny
holohedral
holohedric
holohedrism
holohedron
holohedry
holohemihedral
holohyaline
holoku
hololith
holomastigote
holometabola
holometabole
holometabolian
holometabolic
holometabolism
holometabolous
holometabolous
holometaboly
holometer
holomorph
holomorphic
holomorphism
holomorphosis
holomorphy
holomyarian
holoparasite
holoparasitic
holophane
holophotal
holophote
holophotometer
holophrase
holophrases
holophrasis
holophrasm
holophrastic
holophyte
holophytic
holoplankton
holoplanktonic
holoplexia
holopneustic
holoproteide
holoptic
holoptychian
holoptychiid
holoquinoid
holoquinoidal
holoquinonic
holoquinonoid
holorhinal
holosaprophyte
holosaprophytic
holoscope
holosericeous
holoside
holosiderite
holosiphonate
holosomatous
holosondaic
holostean
holosteous
holosteric
holostome
holostomatous
holostomate
holostomatous
holostome
holostomous
holostylic
holosymmetric
holosymmetrical
holosymmetry
holosystematic
holosystolic
holothecal
holothoracic
holothurian
holothurioid
holotonia
holotonic
holotony
holotrich
holotrichal
holotrichous
holotype
holotypes
holotypic
holour
holozoic
holp
holpen
hols
holsom
holstein
holsteins
holster
holstered
holsters
holt
holts
holw
holy
holyday
holydays
holyokeite
holystone
holystoned
holystones
holystoning
holytide
holytides
hom
homacanth
homage
homageable
homaged
homager
homagers
homages
homaging
homagium
homalogonatous
homalographic
homaloid
homaloideal
homalostral
homard
homarine
homaroid
homatomic
homaxial
homaxional
homaxonic
hombre
hombres
homburg
homburgs
home
homebodies
homebody
homeborn
homebound
homebred
homebreds
homebrew
homebrewed
homebuild
homebuilder
homebuilders
homebuilding
homecome
homecomer
homecoming
homecomings
homecraft
homecroft
homecrofter
homecrofting
homed
homefarer
homefarm
homefelt
homefolk
homefolks
homegoer
homeground
homegrown
homekeeper
homekeeping
homeland
homelander
homelands
homeless
homelessly
homelessness
homelet
homelier
homeliest
homelife
homelike
homelikeness
homelily
homeliness
homeling
homelovingness
homely
homelyn
homemade
homemake
homemaker
homemaker's
homemakers
homemaking
homeoblastic
homeochromatic
homeochromatism
homeochronous
homeocrystalline
homeogenic
homeogenous
homeoid
homeoidal
homeoidality
homeokinosis
homeokinetic
homeomerous
homeomorph
homeomorphic
homeomorphism
homeomorphism's
homeomorphisms
homeomorphous
homeomorphy
homeopath
homeopathic
homeopathically
homeopathician
homeopathicity
homeopathies
homeopathist
homeopathy
homeophony
homeoplasia
homeoplastic
homeoplasy
homeopolar
homeosis
homeostases
homeostasis
homeostatic
homeostatically
homeostatis
homeotherapy
homeotherm
homeothermal
homeothermic
homeothermism
homeothermous
homeothermy
homeotic
homeotransplant
homeotransplantation
homeotype
homeotypic
homeotypical
homeown
homeowner
homeowners
homeozoic
homeplace
homer
homered
homeric
homerid
homering
homere
homerite
homerology
homeroom
homerooms
homers
homes
homeseeker
homesick
homesickly
homesickness
homesite
homesites
hominem
hominess
hominesses
homing
hominian
hominians
hominid
hominidae
hominids
hominies
hominiform
hominify
hominine
hominisection
hominivorous
hominization
hominized
hominoid
hominoids
homy
homish
homishness
hommack
hommage
homme
hommock
hommocks
homo
homoanisaldehyde
homoanisic
homoarecoline
homobaric
homoblastic
homoblasty
homobront
homocarpous
homocategoric
homocentric
homocentrical
homocentrically
homocerc
homocercal
homocercality
homocercy
homocerebrin
homochiral
homochlamydeous
homochromatic
homochromatism
homochrome
homochromic
homochromosome
homochromous
homochromy
homochronous
homoclinal
homoclinal
homocline
homocline
homocoealous
homocresol
homocycle
homocyclic
homodermic
homodermy
homodont
homodontism
homodox
homodoxian
homodromal
homodrome
homodromous
homodromy
homodynamic
homodynamous
homodynamy
homodyne
homoeicous
homoeoarchy
homoeoblastic
homoeochromatic
homoeochronous
homoeocrystalline
homoeogenic
homoeogenous
homoeography
homoeoid
homoeokinesis
homoeomerae
homoeomeral
homoeomeric
homoeomeria
homoeomerian
homoeomerianism
homoeomeric
homoeomeral
homoeomery
homoeomorph
homoeomorphic
homoeomorphism
homoeomorphous
homoeomorphy
homoeopath
homoeopathic
homoeopathically
homoeopathician
homoeopathicity
homoeopathist
homoeopathy
homoeophony
homoeophyllous
homoeoplasisa
homoeoplastic
homoeoplasy
homoeopolar
homoeosis
homoeotel
homoeoteleutic
homoeoteleuton
homoeotic
homoeotopy
homoeotype
homoeotypic
homoeotypical
homoeozoic
homoerotic
homoeroticism
homoerotism
homofermentative
homogametic
homogamic
homogamies
homogamous
homogamy
homogangliate
homogen
homogenate
homogene
homogeneal
homogenealness
homogeneate
homogeneities
homogeneity
homogeneity's
homogeneization
homogeneize
homogeneous
homogeneously
homogeneousness
homogenesis
homogenetic
homogenetical
homogenetically
homogenic
homogenies
homogenization
homogenize
homogenized
homogenizer
homogenizers
homogenizes
homogenizing
homogenous
homogenesic
homogeny
homoglot
homogone
homogonies
homogonous
homogonously
homogony
homograft
homograph
homographic
homographs
homography
homohedral
homoiotherm
homoiothermal
homoiothermic
homoiothermism
homoiothermous
homoiothermy
homoiousia
homoiousian
homoiousianism
homoiousious
homolateral
homolecithal
homolegalis
homolog
homologal
homologate
homologated
homonymity
homonymous
homonymously
homonyms
homonymy
homoousia
homoousian
homoousianism
homoousious
homopathy
homopause
homoperiodic
homopetalous
homophene
homophenous
homophile
homophiles
homophobia
homophobic
homophone
homophones
homophonic
homophonically
homophonous
homophony
homophthalic
homophylic
homophyllous
homophyly
homopiperonyl
homoplasis
homoplasmic
homoplasmym
homoplasty
homoplasy
homopolar
homopolarity
homopolic
homopolymer
homopolymerization
homopolymerize
homopter
homoptera
homopteran
homopteron
homopterous
homorganic
homos
homoscedastic
homoscedasticity
homoseismic
homosexual
homosexualism
homosexualist
homosexuality
homosexually
homosexuals
homosphere
homosporous
homospory
homostyled
homostylic
homostylistism
homostyloous
homostyly
homosystemic
homotactic
homotatic
homotaxeous
homotaxia
homotaxial
homotaxially
homotaxic
homotaxis
homotaxy
homothallic
homothallism
homotherm
homothermal
homothermic
homothermism
homothermous
homothermy
homothetic
homothety
homotonic
homotonous
homotonously
homotomy
homotopic
homotopy
homotransplant
homotransplantation
homotropical
homotropous
homotypal
homotype
homotypic
homotypical
homotypy
homousian
homovanillic
homovanillin
homoveratric
homoveratrole
homozygosis
homozygosity
homozygote
homozygotes
homozygotic
homozygous
homozygously
homozygousness
homrai
homuncio
homuncle
homuncular
homuncule
homunculi
homunculus
homy
hon
honan
honans
honcho
honchos
hond
honda
hondas
hondo
honduran
hondurans
honduras
hone
honed
honer
honers
hones
honest
honester
honestest
honestete
honesties
honestly
honestness
honestone
honesty
honewort
honeworts
honey
honeyballs
honeybee
honeybees
honeyberry
honeybind
honeyblob
honeybloom
honeybun
honeybunch
honeybuns
honeycomb
honeycombed
honeycombing
honeycombs
honeycreeper
honeycup
honeydew
honeydewed
honeydews
honeydrop
honeyed
honeyedly
honeyedness
honeyfall
honeyflower
honeyfogle
honeyfugle
honeyful
honeyhearted
honeying
honeyless
honeylike
honeylipped
honeymonth
honeymoon
honeymooned
honeymooner
honeymooners
honeymooning
honeymoonlight
honeymoons
honeymoonshine
honeymoonstruck
honeymoony
honeymouthed
honeypod
honeypot
honeys
honeystone
honeystucker
honesuck
honesucker
honesuckle
honesuckled
honesuckles
honesweet
honeyware
honeywood
honeywort
hong
hongkong
hongs
honied
honily
honing
honiton
honk
honked
honker
honkers
honkey
honkeys
honkie
honkies
honking
honks
honky
honkytonks
honolulu
honor
honorability
honorable
honorableness
honorables
honorableship
honorably
honorance
hoodies
hooding
hoodle
hoodless
hoodlike
hoodlum
hoodlumish
hoodlumism
hoodlumize
hoodlums
hoodman
hoodmen
hoodmold
hoodoo
hoodooed
hoodooing
hoodooism
hoodooos
hoods
hoodsheat
hoodshy
hoodshyness
hoodwink
hoodwinkable
hoodwinked
hoodwinker
hoodwinking
hoodwinks
hoodwise
hoodwort
hoody
hooey
hooeys
hoof
hoof's
hoofbeat
hoofbeats
hoofbound
hoofed
hoofer
hoofers
hoofiness
hoofing
hoofish
hoofless
hooflet
hooflike
hoofmark
hoofmarks
hoofprint
hoofrot
hoofs
hoofworm
hoofy
hoogaars
hook
hooka
hookah
hookahs
hookaroon
hookas
hookcheck
hooked
hookedness
hookedwise
hooker
hookerman
hookers
hookey
hookeys
hookheal
hookier
hookies
hookiest
hooking
hookish
hookland
hookless
hooklet
hooklets
hooklike
hookmaker
hookmaking
hookman
hooknose
hooknoses
hooks
hookshop
hooksmith
hookswinging
hooktip
hookum
hookup
hookups
hookupu
hoopstick
hoopwood
hoorah
hoorahed
hoorahing
hoorahs
hooray
hoorayed
hooraying
hoorays
hooroo
hooroosh
hoose
hoosegow
hoosegows
hoosgaw
hoosgows
hoosh
hoosier
hoosiers
hoot
hootay
hootch
hootches
hooted
hootenannies
hootenanny
hooter
hooters
hooting
hootingly
hootmalalie
hoots
hoove
hooved
hooven
hoover
hooves
hoovey
hooye
hop
hopak
hopbind
hopbine
hopbush
hopcalite
hopcrease
hope
hoppled
hopples
hoppling
hoppo
hoppy
hoppytoad
hops
hopsack
hopsacking
hopsacks
hopsage
hopscotch
hopscotcher
hopthumb
hoptoad
hoptoads
hoptree
hopvine
hopyard
hor
hora
horace
horae
horah
horahs
horal
horary
horas
horatian
horation
horatius
horatiye
horatory
horbachite
hordarian
hordary
horde
horde's
hordeaceous
hordeate
horded
hordeiform
hordein
hordeins
hordenine
hordenine
hordeola
hordeolum
hordes
hording
hordock
bore
horehoond
horehound
horehounds
horismology
horizometer
horizon
horizon’s
horizontal
horizonless
horizons
horizontalism
horizontality
horizontalization
horizontalize
horizontally
horizontalness
horizonic
horizontical
horizontally
horizontality
horizontally
horizondward
horkey
horla
horme
hormephobia
hormetic
hormic
hormigo
hormion
hormism
hormist
hormogon
hormogonium
hormogonous
hormonal
hormonally
hormone
hormone’s
hormonelike
hormones
hormonic
hormonize
hormonogenesis
hormonogenic
hormonoid
hornlike
hornmouth
hornotine
hornpipe
hornpipes
hornplant
hornpout
hornpouts
horns
horslate
hornsman
hornstay
hornstone
hornswaggle
hornswoggle
hornswoggled
hornswoggling
horntail
horntails
hornthumb
horntip
hornweed
hornwood
hornwork
hornworm
hornworms
hornwort
hornworts
hornwrack
horn
hornyheaded
hornyhead
horograph
horographer
horography
horokaka
horol
horologe
horologer
horologes
horologia
horologic
horological
horologically
horologies
horologigia
horologiography
horologist
horologists
horologium
horologue
horology
horometer
horometrical
horometry
horopito
horopter
horopteric
horoptery
horoscopical
horoscope
horoscope
horoscope
horoscopes
horoscopic
horoscopy
horotelic
horotely
horrah
horral
horray
horrendous
horrendously
horrent
horrescent
horreum
horribility
horrible
horribleness
horribles
horribly
horrid
horridity
horridly
horridness
horrific
horrifically
horrification
horrified
horrifiedly
horrifies
horrify
horrifying
horrifyingly
horrripilant
horrripilate
horrripilated
horrripilating
horrripilation
horrisonant
horror
horror's
horrorful
horrorish
horrorist
horrorize
horrormonger
horrormongering
horrorous
horrors
horrorsome
horry
hors
horse
horseback
horsebacker
horsebane
horsebean
horsebox
horseboy
horsebreaker
horsebush
horsecar
horsecars
horsecart
horsecloth
horsecloths
horsecraft
horsed
horsedom
horsedrawing
horseess
horsefair
horsefeathers
horsefettler
horsefight
horsefish
horsefishe
horsefles
horseflies
horseflower
horsefly
horsefoot
horsegate
horsehair
horsehaired
horsehead
horseheads
horseheal
horseheel
horseherd
horsehide
horsehides
horsehood
horsehoof
horseier
horseiest
horsejockey
horsekeeper
horsekeeping
horselaugh
horselaugher
horselaughs
horselaughter
horseleach
horseleech
horseless
horselike
horseload
horselock
horsely
horseman
horsemanship
horsemastership
horsemen
horsemint
horsemonger
horsenail
horsepipe
horseplay
horseplayer
horseplayers
horseplayful
horsepond
horsepower
horsepowers
horsepox
horser
horseradish
horseradishes
horses
horseshit
horseshoe
horseshoed
horseshoeing
horseshoer
horseshoers
horseshoes
horseshoeing
horsetail
horsetails
horsetongue
horsetree
horseway
horseweed
horsewhip
horsewhipped
horsewhipper
horsewhipping
horsewhips
horsewoman
horsewomanship
horsewomen
horsewood
horsey
horsfordite
horsier
horsiest
horsify
horsily
horsiness
horsing
horst
horste
horstes
horsts
horsy
horsyism
hort
hortation
hortative
hortatively
hortator
hortatorily
hortatory
hortensia
hortensial
hortensian
hortesian
horticultor
horticultural
horticulturalist
horticulturally
horticulture
horticulturist
horticulturists
hortite
hortonolite
hortorium
hortulan
hortyard
hory
hosanna
hosannaed
hosannaing
hosannas
hose
hose's
hosea
hosebird
hosecock
hosed
hosel
hoseless
hoselike
hosels
hoseman
hosen
hosepipe
hoses
hosier
hosieries
hosiers
hosiery
hosing
hosiomartyr
hosp
hospice
hospices
hospita
hospitable
hospital
hospitalary
hotdogged
hotdogger
hotdogging
hotdogs
hote
hotel
hotel's
hoteldom
hotelhood
hotelier
hoteliers
hotelization
hotelize
hotelkeeper
hotelless
hotelman
hotelmen
hotels
hotelward
hotfoot
hotfooted
hotfooting
hotfoots
hothead
hotheaded
hotheadedly
hotheadedness
hotheads
hothearted
hotheartedly
hotheartedness
hothouse
hothouses
hoti
hotkey
hotline
hotly
hotmelt
hotmouthed
hotness
hotnesses
hotplate
hotpot
hotpress
hotpressed
hotpresses
hotpressing
hotrod
hotrods
hots
hotshot
hotshots
hotsprings
hotspur
hotspurred
hotspurs
hotted
hottentot
hotter
hottery
hottest
hottie
hotting
hottish
hottle
hotzone
houbara
houdah
houdahs
houdan
hough
houghband
hougher
houghite
houghmagandy
houghsinew
houhere
houlet
houl
hounous
hounce
hound
hounded
hounder
hounders
houndfish
houndfishes
hounding
houndish
houndlike
houndman
hounds
houndsbane
houndsberry
houndsfoot
houndshark
houndy
hounskull
houppelande
houppelande
hour
hourful
hourglass
hourglasses
houri
houris
hourless
hourlong
hourly
hours
housage
housal
house
houseball
houseboat
houseboating
houseboats
housebote
housebound
houseboy
houseboys
housebreak
housebreaker
housebreakers
housebreaking
housebroke
housebroken
housebrokenness
housebug
housebuilder
housebuilding
housecarl
houseclean
housecleaned
housecleaner
housecleaning
housecleans
housecoat
housecoats
housecraft
housed
housedress
housefast
housefather
houseflies
housefly
housefly's
housefront
houseful
housefuls
housefurnishings
houseguest
household
householder
householders
householdership
householding
householddry
households
househusband
househusbands
housekeep
housekeeper
housekeeper's
housekeeperlike
housekeeperly
housekeepers
housekeeping
housekept
housekept
housel
houseled
houseleek
houseless
houselessness
houselet
houselights
housetline
houseling
houselled
houselling
housels
housemaid
housemaidenly
housemaiding
housemaids
housemaidly
houseman
housemaster
housemastership
housemate
housemating
housemen
houseminder
housemistress
housemother
housemotherly
housemothers
houseowner
housepaint
houseparent
housephone
houseplant
houser
houseridden
houseroom
housers
houses
housesat
housesit
housesits
housesitting
housesmith
housetop
housetop's
housetops
houseward
housewares
housewarm
housewarmer
housewarming
housewarmings
housewear
housewife
housewifeliness
housewifely
housewifery
housewifeship
housewifish
housewife
housewives
housework
houseworker
houseworkers
housewrecker
housewright
housing
housings
housling
houss
houston
houstonia
housy
hou
houting
houtou
houvari
houve
houvnhnm
hove
hovedance
hovel
hovel's
hoveled
hoveler
hoveling
hovelled
hoveller
hoveelling
hovels
hoven
hover
hovercar
hovercraft
hovercrafts
hovered
hoverer
hoverers
hovering
hoveringly
hoverly
hoverport
hovers
hovertrain
how
howadji
howardite
howbeit
howdah
howdahs
howder
howdie
howdies
howdy
howe
howe'er
howel
hubris
hubrises
hubristic
hubristically
hubs
hubsh
huccatoon
huchen
hucho
huck
huckaback
huckle
huckleback
hucklebacked
huckleberries
huckleberry
hucklebone
huckles
huckmuck
hucks
huckster
hucksterage
huckstered
hucksterer
hucksteress
huckstering
hucksterism
hucksterize
hucksters
huckstery
huckstress
hud
hudderon
huddle
huddled
huddledom
huddlement
huddler
huddlers
huddles
huddling
huddlingly
huddock
huddrown
huddup
hudibrastic
hudson
hudsonia
hugging
huggingly
huggle
hugh
hugmatee
hugo
hugonis
hugs
hugsome
huguenot
huguenots
hugy
huh
huia
huic
huile
huipil
huipilla
huisache
huiscoyol
huisher
huisquil
huissier
huitain
huitre
huke
hula
hulas
hulch
hulchy
huldee
hulk
hulkage
hulked
hulkier
hulkiest
hulkily
hulkiness
hulking
hulkingly
hulkingness
hulks
hulky
hull
hull's
hullaballoo
hullaballoos
hullabaloo
hullabaloos
hulled
huller
hullers
hulling
hullo
hulloa
hulloaed
hulloaing
hulloas
hullock
hulloed
hulloes
hulloing
hulloo
hullooed
hullooing
hulloos
hullos
hulls
huloist
hulsite
hulster
hulu
hulver
hulverhead
hulverheaded
hulwort
huly
hum
human
humanate
humane
humanely
humaneness
humaner
humanest
humanhood
humanics
humanification
humaniform
humaniformian
humanify
humanisation
humanise
humanised
humaniser
humanises
humanish
humanising
humanism
humanisms
humanist
humanistic
humanistical
humanistically
humanists
humanitarian
humanitarianism
humanitarianist
humanitarianize
humanitarians
humanitary
humanitarian
humanities
humanity
humanity's
humanitymonger
humanization
humanize
humanized
humanizer
humanizers
humanizes
humanizing
humankind
humanlike
humanly
humanness
humanoid
humanoids
humans
humate
humates
humation
humbird
humble
humblebee
humbled
humblehearted
humblemouthed
humbleness
humbler
humblers
humbles
humblesse
humblesso
humblest
humblie
humbling
humblingly
humbly
humbo
humboldttilite
humboldtine
humboldtite
humbug
humbugability
humbugable
humbugged
humbugger
humbuggers
humbuggery
humbugging
humbuggism
humbugs
humbuzz
hundinger
humdinger
humdingers
humdrum
humdrumminess
humdrummish
humdrummishness
humdrumness
humdrums
humdudgeon
humect
humectant
humectate
humectation
humective
humeral
humerals
humeri
humermers
humeroabdominal
humeroabdominal
humerocubital
humerodigital
humerodorsal
humeroctacarpal
humeroscapular
humeral
humerus
humet
humetee
humetty
humhum
humic
humicubation
humid
humidate
humidified
humidifies
humification
humidified
humidifier
humidifiers
humidifies
humidify
humidifying
humidistat
humidities
humidity
humidityproof
humidityy
humidly
humidness
humidor
humidors
humific
humification
humified
humifuse
humify
humilation
humiliant
humiliate
humiliated
humiliates
humiliating
humiliatingly
humiliation
humiliations
humiliative
humiliator
humilatory
humilific
humilis
humilities
humilitude
humility
humin
humistratous
humit
humite
humiture
humlie
hummable
hummaul
hummed
hummel
hummeler
hummer
hummeri
hummers
hummie
humming
hummingbird
hummingbirds
hummingly
hummock
hummocks
hummocky
hummum
hummus
humongous
humor
humoral
humoralism
humoralist
humoralistic
humored
humorer
humorers
humoresque
humoresquely
humorful
humorific
humoring
humorism
humorist
humoristic
humoristical
humorists
humorize
humorless
humorlessly
humorlessness
humorology
humorous
humorously
humorousness
humorproof
humors
humorsome
humorsomely
humorsomeness
humour
humoural
humoured
humourful
humouring
humourist
humourize
humourless
humourlessness
humours
humoursome
humous
hump
humpback
humpbacked
humpbacks
humped
humph
humphed
humphing
humphs
humpier
humpies
humpiest
humpiness
humping
humpless
humps
humpty
humpy
hums
humstrum
humuhumunukunukuapuaa
humulene
humulon
humulone
humus
humuses
humuslike
hun
hunch
hunchback
hunchbacked
hunchbacks
hunched
hunches
hunchet
hunching
hunchy
hund
hunder
hundi
hundred
hundredal
hundredary
hundreder
hundredfold
hundredman
hundrepenny
hundreds
hundredth
hundredths
hundredweight
hundredweights
hundredwork
hunfysh
hung
hungar
hungarian
hungarians
hungaric
hungarite
hungary
hunger
hungered
hungerer
hungering
hungeringly
hungerless
hungerly
hungerproof
hungerproof
hungerroot
hungerers
hungerweed
hungrier
hungriest
hungriest
hungrify
hungrily
huskiest
huskily
huskiness
husking
huskings
husklike
huskroot
husks
huskwort
husky
huso
huspel
huspil
huss
hussar
hussars
hussies
hussite
hussitism
hussy
hussydom
hussyness
hust
husting
hustings
hurtle
hustlecap
hustled
hustlement
hustler
hustlers
hustles
hustling
huswife
huswifes
huswives
hut
hut's
hutch
hutched
hutcher
hutches
hutchet
hutchie
hutching
hutchinsonian
hutchinsonite
huthold
hutholder
hutia
hutkeeper
hutlet
hutlike
hutment
hutments
hutre
huts
hutted
hutting
huttonian
huttoning
huttonweed
hutukhtu
hutuktu
hutung
hutzpa
hutzpah
hutzpahs
hutzpas
huurder
huvelyk
huxter
huyghenian
huzoor
huzz
huzza
huzzaed
huzzah
huzzahed
huzzahing
huzzahs
huzzaing
huzzard
huzzas
huzzy
hv
hvy
hw
hwan
hwt
hwy
hwyl
hy
hyacine
hyacinth
hyacinthian
hyacinthin
hyacinthine
hyacinths
hyacinthus
hyades
hyaea
hyaenas
hyaenic
hyaenid
hyaenodon
hyaenodont
hyaenodontoid
hyahya
hyalescence
hyalescent
hyalin
hyaline
hyalines
hyalinization
hyalinize
hyalinized
hyalinizing
hyalinocrystalline
hyalinosis
hyalins
hyalite
hyalites
hyalithe
hyalitis
hyaloandesite
hyalobasalt
hyalocrystalline
hyalodacite
hyalogent
hyalogens
hyalograph
hyalographer
hyalography
hyaloid
hyaloiditis
hyaloids
hyaloliparite
hyalolith
hyalomelan
hyalomere
hyalomucoid
hyalonema
hyalophagia
hyalophane
hyalophyre
hyalopilitic
hyaloplasm
hyaloplasma
hyaloplasmic
hyaloposite
hyalopterous
hyalosiderite
hyalotekite
hyalotype
hyalts
hyaluronic
hyaluronidase
hyblaean
hybodont
hybosis
hybrid
hybrida
hybridae
hybridal
hybridation
hybridisable
hybridise
hybridised
hybridiser
hybridising
hybridism
hybridist
hybridity
hybridizable
hybridization
hybridizations
hybridize
hybridized
hybridizer
hybridizers
hybridizes
hybridizing
hybridous
hybrids
hybris
hybrises
hybristic
hyd
hydage
hydantoate
hydantoic
hydantoin
hydathode
hydatic
hydatid
hydatidiform
hydatidinous
hydatidocele
hydatids
hydatiform
hydatigenous
hydatogenesis
hydatogenic
hydatogenous
hydatoid
hydatomorphic
hydatomorphism
hydatopneumatic
hydatopneumatolytic
hydatopyrogenic
hydatoscopy
hyde
hydnaceous
hydnocarpate
hydnocarpic
hydnoid
hydnoraceous
hydra
hydracetin
hydrachnid
hydracid
hydracids
hydracoral
hydracrylate
hydracrylic
hydractinian
hydradephagan
hydradephagous
hydrae
hydroaemia
hydroaemic
hydragog
hydragogs
hydragogue
hydragogy
hydradrope
hydradne
hydradneine
hydradnion
hydramnios
hydrangea
hydrangeaceous
hydrangeas
hydrant
hydranth
hydranths
hydrants
hydrarch
hydrargillite
hydrargyrate
hydrargyria
hydrargyriasis
hydrargyric
hydrargyryism
hydrargyrosis
hydrargyrum
hydrarthrosis
hydrarthrus
hydras
hydrase
hydrases
hydrastine
hydrastinine
hydrastis
hydrate
hydrated
hydrates
hydrating
hydration
hydrations
hydrator
hydrators
hydratropic
hydraucone
hydraul
hydrail
hydraili
hydrailic
hydrailically
hydrailician
hydrailicity
hydrailicked
hydrailicking
hydrailicon
hydrailics
hydrailis
hydrailist
hydrailus
hydrobenzoin
hydrobilibin
hydrobiological
hydrobiologist
hydrobiology
hydrobiosis
hydrobiplane
hydrobomb
hydroboracite
hydroborofluoric
hydrobranchiate
hydrobromate
hydrobromic
hydrobromid
hydrobromide
hydrocarbide
hydrocarbon
hydrocarbonaceous
hydrocarbonate
hydrocarbonic
hydrocarbonous
hydrocarbons
hydrocarbostyril
hydrocarburet
hydrocardia
hydrocaryaceous
hydrocatalysis
hydrocauline
hydrocaulus
hydrocele
hydrocellulose
hydrocephali
hydrocephalic
hydrocephalies
hydrocephalocele
hydrocephaloid
hydrocephalous
hydrocephalus
hydrocephaly
hydroceramic
hydrocerussite
hydrocharidaceous
hydrocharitaceous
hydrochemical
hydrochemistry
hydrochlorate
hydrochlorauric
hydrochloric
hydrochlorid
hydrochloride
hydrochlorothiazide
hydrochlorplatinic
hydrochlorplatinous
hydrocholecystis
hydrocinchonine
hydrocinnamaldehyde
hydrocinnamic
hydrocinnamoyl
hydrocinnamyl
hydrocirsocele
hydrocladium
hydroclastic
hydroclimate
hydrocobalticyanic
hydrocoele
hydrocollidine
hydrocolloid
hydrocolloidal
hydroconion
hydrocoral
hydrocoralline
hydrocorisan
hydrocortisone
hydrocotarnine
hydrocoumaric
hydrocrack
hydrocracking
hydrocupreine
hydrocyanate
hydrocyanic
hydrocyanide
hydrocycle
hydrocyclic
hydrocyclist
hydrocyst
hydrocystic
hydrodesulfurization
hydrodesulphurization
hydrodrome
hydrodromican
hydrodynamic
hydrodynamical
hydrodynamically
hydrodynamicist
hydrodynamics
hydrodynamometer
hydrogenize
hydrogenized
hydrogenizing
hydrogenolyses
hydrogenolysis
hydrogenous
hydrogens
hydrogeologic
hydrogeological
hydrogeologist
hydrogeology
hydroglider
hydrognosy
hydrogode
hydrograph
hydrographer
hydrographers
hydrographic
hydrographical
hydrographically
hydrography
hydroguret
hydrogymnastics
hydrohalide
hydrohematite
hydrohemothorax
hydroid
hydroidean
hydroids
hydroiodic
hydrokineter
hydrokinetic
hydrokinetical
hydrokinetics
hydrol
hydrolant
hydrolase
hydrolatry
hydrolize
hydrologic
hydrological
hydrologically
hydrologist
hydrologists
hydrology
hydrolysable
hydrolysate
hydrolysation
hydrometeorology
hydrometer
hydrometers
hydrometra
hydrometric
hydrometrical
hydrometrid
hydrometry
hydromica
hydromicaceous
hydromonoplane
hydromorph
hydromorphic
hydromorphous
hydromorphy
hydromotor
hydromyelia
hydromyelocele
hydromyoma
hydronaut
hydrone
hydronegative
hydronephelite
hydronephrosis
hydronephrotic
hydronic
hydronically
hydronitric
hydronitrogen
hydrnitroprussic
hydrnitrinous
hydronium
hydrpac
hydrparacoumaric
hydrpath
hydrpathic
hydrpathical
hydrpathically
hydrpathist
hydrpathy
hydrpericarditis
hydrpericardium
hydrperiod
hydrperitoneum
hydrperitonitis
hydrperoxide
hydrphane
hydrphanous
hydroplanes
hydroplaning
hydroplanula
hydroplatinocyanic
hydroplutonic
hydropneumatic
hydropneumatization
hydropneumatosis
hydropneumopericardium
hydropneumothorax
hydropolyp
hydroponic
hydroponically
hydroponicist
hydroponics
hydroponist
hydropositive
hydropot
hydropower
hydropropulsion
hydrops
hydropses
hydropsies
hydropsy
hydroptic
hydropult
hydropultic
hydroquinine
hydroquinol
hydroquinoline
hydroquinone
hydrorachis
hydrorhiza
hydrorhizae
hydrorhizal
hydrorrhachis
hydrorrhachitis
hydrorrhea
hydrorrhoea
hydrorubber
hydros
hydrosalpinx
hydrasalt
hydrosarcocele
hydroscope
hydroscopic
hydroscopical
hydroscopicity
hydrosomatos
hydrosome
hydrosorbie
hydrosphere
hydrospheres
hydrospheric
hydrosphere
hydrospheric
hydrospheric
hydrospheric
hydrosphere
hydrostat
hydrostatic
hydrostical
hydrostatically
hydrostatician
hydrostatics
hydrosome
hydrosulfate
hydrosulfide
hydrosulfite
hydrosulfurous
hydrosulphate
hydrosulphide
hydrosulphite
hydrosulphocyanic
hydrosulphurated
hydrosulphuret
hydrosulphureted
hydrosulphuric
hydrosulphurous
hydrosulphuryl
hydrotachymeter
hydrotactic
hydrotalcite
hydrotasimeter
hydrotaxis
hydrotechnic
hydrotechnical
hydrotechnologist
hydrotechny
hydroterpene
hydrotetheca
hydrotethecae
hydrotethecal
hydrotetherapeutic
hydrotherapeutical
hydrotherapeutically
hydrotherapeutician
hydrotherapeuticians
hydrotherapeutics
hydrotherapies
hydrotherapist
hydrotherapy
hydrothermal
hydrothermally
hydrothoracic
hydrothorax
hydrotic
hydrotical
hydrotimeter
hydrotimetric
hydrotimetry
hydrotomy
hydrotropic
hydrotropically
hydrotropism
hydroturbine
hydroturbine
ydrotype
hydrous
hydrovane
hydroxamic
hydroxamino
hydroxide
hydroxides
hydroximic
hydroxy
hydroxyacetic
hydroxyanthraquinone
hydroxyapatite
hydroxyazobenzene
hydroxybenzene
hydroxybutyric acid
hydroxy corticosterone
hydroxy dehydrocorticosterone
hydroxy desoxycorticosterone
hydroxy ketone
hydroxyl
hydroxylactone
hydroxylamine
hydroxylase
hydroxylate
hydroxylation
hydroxylic
hydroxy lization
hydroxylize
hydroxyls
hydroxy proline
hydroxy tryptamine
hydroxy urea
hydroxy zine
hydro zincite
hydro zoa
hydro zoal
hydro zoan
hydro zoic
hydro zoon
hydrula
hydruret
hydr us
hydr urilate
hydr urilic
hye
hy emal
hyena
hy enadog
hy enanchin
hy enas
hy enia
hy enic
hy eniform
hy enine
hy enoid
hyetal
hy etograph
hy etographic
hy etographical
hy etographically
hy etography
hy etological
hyetologist
hyetology
hyetometer
hyetometric
hyetometrograph
hyetometrographic
hygeen
hygeia
hygeian
hygeiolatry
hygeist
hygeistic
hygeists
hygenics
hygeology
hygiantic
hygiantics
hygiastic
hygiastics
hygieist
hygieists
hygienal
hygiene
hygieses
hygienic
hygienical
hygienically
hygienics
hygienist
hygienists
hygienization
hygienize
hygiologist
hygiology
hygic
hygrin
hygrine
hygristor
hygroblepharic
hygrobeik
hygroexpansivity
hygrogram
hygrograph
hygrology
hygroma
hygromatous
hygrometer
hygrometers
hygrometric
hygrometrical
hygrometrically
hygrometries
hygrometry
hygropaneity
hygrophanous
hygrophilous
hygrophobia
hygrophthalmic
hygrophyte
hygrophytic
hygroplasm
hygroplasma
hygroscopes
hygroscopic
hygroscopical
hygroscopically
hygroscopicity
hygroscopy
hygrostat
hygrostatics
hygrostomia
hygrothermal
hygrothermograph
hying
hyingly
hyke
hyla
hylactic
hylactism
hylaeosaurus
hylarchic
hylarchical
hylas
hylasmus
hyle
hylean
hyleg
hylegiatical
hyli
hylic
hylicism
hylicist
hylidae
hylids
hylism
hylist
hypacusia
hypacusis
hypaesthesia
hypaesthesic
hypaethral
hypaethron
hypaethros
hypaethrum
hypalgesia
hypalgesic
hypalgia
hypalgic
hypallactic
hypallage
hypanthia
hypanthial
hypanthium
hypantrum
hypapophysial
hypapophysis
hyparterial
hypaspist
hypate
hypaton
hypautomorphic
hypaxial
hype
hyped
hypogiaphobia
hyper
hyperabelian
hyperabsorption
hyperaccuracy
hyperaccurate
hyperaccurately
hyperaccurateness
hyperacid
hyperacidaminuria
hyperacidity
hyperacusia
hyperacoustics
hyperaction
hyperactive
hyperactively
hyperactivities
hyperactivity
hyperacuity
hyperacuness
hyperacusia
hyperacusic
hyperacute
hyperacuteness
hyperadenosis
hyperadipose
hyperadiposis
hyperadiposity
hyperadrenaemia
hyperadrenalism
hyperadrenia
hyperaemia
hyperaemic
hyperaesthesia
hyperaesthete
hyperaesthetic
hyperalbuminosis
hyperaldosteronism
hyperalgebra
hyperalgesia
hyperalgesic
hyperalgesis
hyperalgetic
hyperalga
hyperalimentation
hyperalkalinity
hyperaltruism
hyperaltruist
hyperaltruistic
hyperaminoacidemia
hyperanabolic
hyperanabolism
hyperanacinesia
hyperanakinesia
hyperanakinesia
hyperanarchic
hyperanarchy
hyperangelic
hyperangelical
hyperangelically
hyperaphia
hyperaphic
hyperapophyseal
hyperapophysial
hyperapophysis
hyperarchaeological
hyperarchepiscopai
hypercalcinaemia
hypercalcinemia
hypercalcinuria
hypercalciuria
hypercalcuria
hypercapnia
hypercapnic
hypercarbamidemia
hypercarbia
hypercarbureted
hypercarburetted
hypercarnal
hypercarnally
hypercatabolism
hypercatalectic
hypercatalexis
hypercatharsis
hypercathartic
hypercathexis
hypercenosis
hyperchamaerrhine
hypercharge
hyperchloraemia
hyperchloremia
hyperchlorhydria
hyperchloric
hyperchlorination
hypercholesteremia
hypercholesteremic
hypercholesterinemia
hypercholesterolemia
hypercholesterolemic
hypercholesterolia
hypercholia
hypercivilization
hypercivilized
hyperclassical
hyperclassicality
hyperclimax
hypercoagulability
hypercoagulable
hypercomplex
hypercomposite
hyperconcentration
hypercone
hyperconfidence
hyperconfident
hyperconfidently
hyperconformist
hyperconformity
hyperconscientious
hyperconscientiously
hyperconscientiousness
hyperconscious
hyperconsciousness
hyperconservatism
hyperconservative
hyperconservatively
hyperconservativeness
hyperconstitutional
hyperconstitutionalism
hyperconstitutionally
hypercoracoid
hypercorrect
hypercorrection
hypercorrectness
hypercorticoidism
hypercosmic
hypercreaturely
hypercrinemia
hypercrinia
hypercrininism
hypercrisia
hypercritic
hypercritical
hypercritically
hypercriticalness
hypercriticism
hypercriticize
hypercryaesthesia
hypercryalgesia
hypercryesthesia
hypercube
hypercyanosis
hypercyanotic
hypercycle
hypercylinder
hypercythemia
hypercytosis
hyperdactyl
hyperdactylia
hyperdactylism
hyperdactyly
hyperdeification
hyperdeified
hyperdeify
hyperdeifying
hyperdelicacy
hyperdelicate
hyperdelicately
hyperdelicateness
hyperdelicious
hyperdeliciously
hyperdeliciousness
hyperdeliness
hyperdemocracy
hyperdemocratic
hyperdeterminant
hyperdiabolical
hyperdiabolically
hyperdiabolicalness
hyperdialectic
hyperdiapason
hyperdiapente
hyperdiastole
hyperdiastolic
hyperdiatessaron
hyperdiazeuxis
hyperdicrotic
hyperdicrotism
hyperdicrotous
hyperdimensional
hyperdimensionality
hyperdiploid
hyperdissyllable
hyperdistention
hyperditone
hyperdivision
hyperdolichocephal
hyperdolichocephalic
hyperdolichocephaly
hyperdolichocranial
hyperdoricism
hyperdulia
hyperdulic
hyperdulical
hyperelegance
hyperelegancy
hyperelegant
hyperelegantly
hyperelliptic
hyperemesis
hyperemetic
hyperemia
hyperemic
hyperemization
hyperemotional
hyperemotionally
hyperemotive
hyperemotively
hyperemotiveness
hyperemotivity
hyperemphasize
hyperemphasized
hyperemphasizing
hyperendocrinia
hyperendocrinism
hyperendocrisia
hyperenergetic
hyperenthusiasm
hyperenthusiastic
hyperenthusiastically
hypereosinophilia
hyperephidrosis
hyperepinephria
hyperepinephrinemia
hyperepinephry
hyperequatorial
hypererethism
hypersensation
hyperesthesis
hyperesthete
hypereesthetic
hyperethical
hyperethically
hyperethicalness
hypereuryprosopic
hypereutectic
hypereutectoid
hyperexaltation
hyperexcitability
hyperexcitable
hyperexcitableness
hyperexcitably
hyperexcitement
hyperexcursive
hyperexcursively
hyperexcursiveness
hyperexophoria
hyperextend
hyperextension
hyperfastidious
hyperfastidiously
hyperfastidiousness
hyperfederalist
hyperfine
hyperflexibility
hyperflexible
hyperflexibleness
hyperflexibly
hyperflexion
hyperfocal
hyperform
hyperfunction
hyperfunctional
hyperfunctionally
hyperfunctioning
hypergalactia
hypergalactosia
hypergalactosis
hypergamous
hypergamy
hypergenesis
hypergenetic
hypergenetical
hypergenetically
hypergenetalness
hypergeometric
hypergeometrical
hypergeometry
hypergeusesthesia
hypergeusia
hypergeustia
hyperglobulia
hyperglobulism
hyperglycaemia
hyperglycaemic
hyperglycemia
hyperglycemic
hyperglycistia
hyperglycorrhachia
hyperglycosuria
hypergoddess
hypergol
hypergotic
hypergologically
hypergols
hypergrammatical
hypergrammatically
hypergrammaticalness
hyperhedonia
hyperhemoglobinemia
hyperhepatia
hyperhidrosis
hyperhidrotic
hyperhilarious
hyperhilariously
hyperhilariousness
hyperhypocrisy
hypericaceous
hypericin
hypericism
hypericum
hyperidealistic
hyperidealistically
hyperideation
hyperidrosis
hyperimmune
hyperimmunity
hyperimmunization
hyperimmunize
hyperimmunized
hyperimmunizing
hyperin
hyperinflation
hyperingenuity
hyperinosis
hyperinotic
hyperinsulinism
hyperinsulinization
hyperinsulinize
hyperintellectual
hyperintellectually
hyperintellectualness
hyperintelligence
hyperintelligent
hyperintelligently
hyperinvolution
hyperion
hyperirritability
hyperirritable
hyperisotonic
hyperite
hyperkalemia
hyperkalemic
hyperkaliemia
hyperkatabolism
hyperkeratoses
hyperkeratosis
hyperkeratotic
hyperkinesia
hyperkinesis
hyperkinetic
hyperlactation
hyperleptoprosopic
hyperlethal
hyperlethargy
hyperleucocytosis
hyperleucocytotic
hyperleukocytosis
hyperlexis
hyperlipaemia
hyperlipaemic
hyperlipemia
hyperlipemic
hyperlipidemia
hyperlipoidemia
hyperlithuria
hyperlogical
hyperlogicality
hyperlogically
hyperlogicalness
hyperlustrous
hyperlustrously
hyperlustrousness
hypermagical
hypermagically
hypermakroskelic
hypermarket
hypermedication
hypermegasoma
hypermenorrhea
hypermetabolism
hypermetamorphic
hypermetamorphism
hypermetamorphoses
hypermetamorphosis
hypermetamorphotic
hypermetaphoric
hypermetaphorical
hypermetaphysical
hypermetaplasia
hypermeter
hypermetric
hypermetrical
hypermetron
hypermetrope
hypermetropia
hypermetropic
hypermetropical
hypermetropy
hypermicrosoma
hypermiraculous
hypermiraculously
hypermiraculousness
hypermixolydian
hypermnesia
hypermnesic
hypermnesis
hypermnesic
hypermodest
hypermodestly
hypermodestness
hypermonosyllable
hypermoral
hypermorally
hypermorph
hypermorphemic
hypermorphematic
hypermorphemy
hypermotile
hypermotility
hypermyotonia
hypermyotrophy
hypermyriorama
hypermystical
hypermystically
hypermysticalness
hypernatremia
hypernatronemia
hypernatural
hypernaturally
hypernaturalness
hypernephroma
hyperneuria
hyperneurotic
hypernic
hypernik
hypernitrogenous
hypernomian
hypernomic
hypernomical
hypernomically
hypernomicalness
hypernomal
hypernormally
hypernormalness
hypernote
hypernotion
hypernotions
hypernutrition
hypernutritive
hyperoartian
hyperobtrusive
hyperobtrusively
hyperobtrusiveness
hyperodontogeny
hyperon
hyperons
hyperoodon
hyperoon
hyperope
hyperopes
hyperopia
hyperopic
hyperorganic
hyperorganically
hyperorthodox
hyperorthodoxy
hyperorthognathic
hyperorthognathous
hyperorthognathy
hyperosmia
hyperosmic
hyperosteogeny
hyperostoses
hyperostosis
hyperostotic
hyperorthodox
hyperorthodox
hyperotretan
hyperotretous
hyperovaria
hyperovarianism
hyperovarism
hyperoxemia
hyperoxidation
hyperoxide
hyperoxygenate
hyperoxygenating
hyperoxygenation
hyperoxygenize
hyperoxygenized
hyperoxygenizing
hyperoxymuriate  
hyperoxymuriatic  
hyperpanegyric  
hyperparasite  
hyperparasitic  
hyperparasitism  
hyperparasitize  
hyperparathyroidism  
hyperparoxysm  
hyperpathetic  
hyperpathetical  
hyperpathetically  
hyperpathia  
hyperpathic  
hyperpatriotic  
hyperpatriotically  
hyperpatriotism  
hyperpencil  
hyperpepsinia  
hyperper  
hyperperfection  
hyperperistalsis  
hyperperistaltic  
hyperpersonal  
hyperpersonally  
hyperphagia  
hyperphagic  
hyperphalangeal  
hyperphalangism  
hyperpharyngeal  
hyperphenomena  
hyperphoria  
hyperphoric  
hyperphosphatemia  
hyperphospheremia  
hyperphosphorescence  
hyperphysical  
hyperphysically  
hyperphysics  
hyperpiesia  
hyperpiesis  
hyperpietic  
hyperpietist  
hyperpigmentation  
hyperpigmented  
hyperpinealism  
hyperpituitarism  
hyperpituitary
hyperplagiary
hyperplane
hyperplasia
hyperplastic
hyperplasy
hyperplatyrrhine
hyperploid
hyperploidy
hyperpnea
hyperpneic
hyperpnoea
hyperpolarization
hyperpolarize
hyperpolysyllabic
hyperpolysyllabically
hyperpotassemia
hyperpotassemic
hyperpredator
hyperprism
hyperproduction
hyperprognathous
hyperprophetic
hyperprophetical
hyperprophetically
hyperprosexia
hyperpulmonary
hyperpure
hyperpurist
hyperpyramid
hyperpyretic
hyperpyrexia
hyperpyrexial
hyperquadric
hyperrational
hyperrationally
hyperractive
hyperrrealize
hyperrrealized
hyperrrealizing
hyperrresonance
hyperrresonant
hyperrreverential
hyperrhythmical
hyperridiculous
hyperridiculously
hyperridiculousness
hyperrritualism
hyperrritualistic
hyperromantic
hyperromantically
hyperromanticism
hypersacerdotal
hypersaintly
hypersalivation
hypersceptical
hyperscholastic
hyperscholastically
hyperscrupulosity
hyperscrupulous
hypersecretion
hypersensibility
hypersensitisation
hypersensitise
hypersensitised
hypersensitising
hypersensitive
hypersensitiveness
hypersensitivities
hypersensitivity
hypersensitization
hypersensitize
hypersensitized
hypersensitizing
hypersensual
hypersensualism
hypersensually
hypersensualness
hypersensuous
hypersensuously
hypersensuousness
hypersentimental
hypersentimentally
hypersexual
hypersexualities
hypersexuality
hypersolid
hypersomnia
hypersonic
hypersonically
hypersonics
hypersophisticated
hypersophistication
hyperspace
hyperspatial
hyperspeculative
hyperspeculatively
hyperspeculativeness
hypersphere
hyperspherical
hyperspiritualizing
hypersplenia
hypersplenism
hyperstatic
hypersthenic
hypersthenia
hypersthenic
hypersthenite
hyperstoic
hyperstoical
hyperstrophic
hypersubtle
hypersubtlety
hypersuggestibility
hypersuggestible
hypersuggestibleness
hypersuggestibly
hypersuperlative
hypersurface
hypersusceptibility
hypersusceptible
hypersystole
hypersystolic
hypertechnical
hypertechnically
hypertechnicalness
hypertelic
hypertely
hypertense
hypertensely
hypertenseness
hypertensin
hypertensinase
hypertensinogen
hypertension
hypertensive
hyperterrestrial
hypertetrahedron
hyperthermal
hyperthermalgesia
hyperthermally
hyperthermesia
hyperthermia
hyperthermic
hyperthermy
hyperthesis
hyperthetic
hyperthetical
hyperthrombinemia
hyperthyemia
hyperthyreosis
hyperthyroid
hyperthyroidism
hyperthyroidization
hyperthyroidize
hyperthyroids
hypertocicity
hypertonia
hypertonic
hypertonicity
hypertonus
hypertorrid
hypotoxic
hypotoxicity
hypertragic
hypertragical
hypertragically
hypertranscendent
hypertrichosis
hypertrichy
hypertridimensional
hypertrophic
hypertrophied
hypertrophies
hypertrophous
hypertrophy
hypertrophying
hypertrophyphied
hypertropia
hypertropical
hypertype
hypertypic
hypertypical
hyperurbanism
hyperuresis
hyperuricemia
hypervascular
hypervascularity
hypervelocity
hypervenosity
hyperventilate
hyperventilation
hypervigilant
hypervigilantly
hypervigilantness
hyperviscosity
hyperviscous
hypervitalization
hypervitalize
hypervitalized
hypervitalizing
hypervitaminosis
hypervolume
hypervoluminous
hyperwrought
hypes
hypesthesia
hypesthetic
hypethral
hypha
hyphae
hyphaeresis
hyphal
hyphantria
hyphedonia
hyphema
hyphemia
hyphemias
hyphen
hyphen's
hyphenate
hyphenated
hyphenates
hyphenating
hyphenation
hyphenations
hyphened
hyphenic
hyphenening
hyphenisation
hyphenise
hyphenised
hyphenising
hyphenism
hyphenization
hyphenize
hyphenized
hyphenizing
hyphenless
hyphens
hypho
<table>
<thead>
<tr>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>hypoaminoacidemia</td>
</tr>
<tr>
<td>hypoantimonate</td>
</tr>
<tr>
<td>hypoazoturia</td>
</tr>
<tr>
<td>hypobaric</td>
</tr>
<tr>
<td>hypobarism</td>
</tr>
<tr>
<td>hypobaropathy</td>
</tr>
<tr>
<td>hypobasal</td>
</tr>
<tr>
<td>hypobases</td>
</tr>
<tr>
<td>hypobasis</td>
</tr>
<tr>
<td>hypobatholithic</td>
</tr>
<tr>
<td>hypobenthonic</td>
</tr>
<tr>
<td>hypobenthos</td>
</tr>
<tr>
<td>hypoblast</td>
</tr>
<tr>
<td>hypoblastic</td>
</tr>
<tr>
<td>hypobole</td>
</tr>
<tr>
<td>hypobranchial</td>
</tr>
<tr>
<td>hypobranchiate</td>
</tr>
<tr>
<td>hypobromite</td>
</tr>
<tr>
<td>hypobromites</td>
</tr>
<tr>
<td>hypobromous</td>
</tr>
<tr>
<td>hypobulia</td>
</tr>
<tr>
<td>hypobulic</td>
</tr>
<tr>
<td>hypocalcemia</td>
</tr>
<tr>
<td>hypocalcemic</td>
</tr>
<tr>
<td>hypocarp</td>
</tr>
<tr>
<td>hypocarpium</td>
</tr>
<tr>
<td>hypocarpogeian</td>
</tr>
<tr>
<td>hypocatharsis</td>
</tr>
<tr>
<td>hypocathartic</td>
</tr>
<tr>
<td>hypocathexis</td>
</tr>
<tr>
<td>hypocaust</td>
</tr>
<tr>
<td>hypocenter</td>
</tr>
<tr>
<td>hypocenters</td>
</tr>
<tr>
<td>hypocentral</td>
</tr>
<tr>
<td>hypocentre</td>
</tr>
<tr>
<td>hypocentrum</td>
</tr>
<tr>
<td>hypocephalus</td>
</tr>
<tr>
<td>hypochchilia</td>
</tr>
<tr>
<td>hypochdria</td>
</tr>
<tr>
<td>hypochil</td>
</tr>
<tr>
<td>hypochilia</td>
</tr>
<tr>
<td>hypochilium</td>
</tr>
<tr>
<td>hypochloremia</td>
</tr>
<tr>
<td>hypochloremic</td>
</tr>
<tr>
<td>hypochlorhydria</td>
</tr>
<tr>
<td>hypochlorhydric</td>
</tr>
<tr>
<td>hypochloric</td>
</tr>
<tr>
<td>hypochloridemia</td>
</tr>
</tbody>
</table>
hypodynamia
hypodynamic
hypoed
hypoeliminator
hypoendocrinia
hypoendocrinism
hypoendocrinia
hypoendocrinism
hypoeosinophilia
hypoergic
hypoeutectic
hypoeutectoid
hypofunction
hypogaecic
hypogamy
hypogastria
hypogastric
hypogastricum
hypogastrocele
hypogea
hypogean
hypogee
hypogiec
hypogeiody
hypogene
hypogenesis
hypogenetic
hypogenic
hypogenous
hypogeocarpous
hypogeous
hypogugea
hypogeeum
hypogeousia
hypoglobulia
hypoglossal
hypoglossis
hypoglossitis
hypoglossus
hypoglottis
hypoglycaemia
hypoglobemia
hypoglycemic
hypognathism
hypognathous
hypogonadia
hypogonadism
hypogonation
hypogyn
hypogynic
hypogynies
hypogynium
hypogynous
hypogyny
hypohalous
hypohemia
hypohepatia
hypohidrosis
hypohyal
hypohyaline
hypohydrochloria
hypohypophysism
hypoid
hypoidrosis
hypoing
hypoinosemia
hypoiodite
hypoiodous
hypoionian
hypoischium
hypoisotonic
hypokalemia
hypokalemic
hypokaliemia
hypokeimenometry
hypokinemia
hypokinesia
hypokinesis
hypokinetic
hypokoristikon
hypolemnniscus
hypoleptically
hypoleucocytosis
hypolinnetic
hypolinnia
hypolinnial
hypolinnion
hypolinnnitia
hypolithic
hypolocrian
hypolydian
hypomania
hypomanic
hypomelancholia
hypomeral
hypomere
hypomeron
hypometropia
hypomixolydian
hypomnematic
hypomnesia
hypomnensis
hypomochlion
hypomorph
hypomorphic
hypomotility
hypomyotonia
hyponastic
hyponastically
hyponasty
hyponatremia
hyponea
hyponeas
hyponeuria
hyponitric
hyponitrite
hyponitrous
hyponoetic
hyponoia
hyponoias
hyponomie
hyponomic
hyponychial
hyponychium
hyponym
hyponymic
hyponymous
hypoparathyroidism
hypopepsia
hypopepsinia
hypopepsy
hypopetalous
hypopetaly
hypophalangism
hypophamin
hypophamine
hypophare
hypopharyngeal
hypopharynges
hypopharyngoscope
hypopharyngoscopy
hypopharynx
hypopharynxes
hypophloeodal
hypophloeodic
hypophloeous
hypophonesis
hypophonia
hypophonic
hypophonous
hypophora
hypophoria
hypophosphate
hypophosphite
hypophosphoric
hypophosphorous
hypophrenia
hypophrenic
hypophrenosis
hypophrygian
hypophyte
hypophyll
hypophyllium
hypophyllous
hypophyll
hypophypophysism
hypophyse
hypophyseal
hypophysectomies
hypophysectomize
hypophysectomized
hypophysectomizing
hypophysectomy
hypophyseoprivic
hypophyseoprivous
hypophyses
hypophysial
hypophysical
hypophysics
hypophysis
hypophysitis
hypopial
hypopiesia
hypopiesis
hypopinealism
hypopituitarism
hypopituitary
hypoplankton
hypoplanktonic
hypoplasia
hypoplastic
hypoplastral
hypoplastron
hypoplasty
hypoplasty
hypoplasy
hypoploid
hypoploidy
hypopnea
hypopneas
hypopnoea
hypopodria
hypopodia
hypopodium
hypopotassemia
hypopotassemic
hypopraxia
hypoprosexia
hypoproteinemia
hypoproteinosis
hypopselaphesia
hypopsychosis
hypopteral
hypopteron
hypoplar
hypoptilum
hypoptosis
hypopyytyalism
hypopus
hypopygial
hypopygidium
hypopygium
hypopyon
hypopyons
hyporadial
hyporadiolus
hyporadius
hyporchema
hyporchemata
hyporchematic
hyporcheme
hyporchessis
hyporhachidian
hyporhachis
hyporhined
hyporight
hyporit
hypor rhythmic
hypos
hyposalemia
hyposarca
hyposcenium
hyposcleral
hyposcope
hyposecreation
hyposensitive
hyposensitivity
hyposensitization
hyposensitize
hyposensitized
hyposensitizing
hyposkeletal
hyposmia
hypospadiac
hypospadias
hyposphene
hyposphresia
hypospray
hypostase
hypostases
hypostasis
hypostasise
hypostasised
hypostasising
hypostasization
hypostasize
hypostasized
hypostasizing
hypostasy
hypostatic
hypostatical
hypostatically
hypostatisation
hypostatise
hypostatised
hypostatising
hypostatization
hypostatize
hypostatized
hypostatizing
hyposternal
hyposternum
hyposthenia
hyposthenic
hyposthenuria
hypostigma
hypostilbite
hypostoma
hypostomatic
hypostomatous
hypostome
hypostomial
hypostomous
hypostrophe
hypostyle
hypostyptic
hypostylene
hyposulfite
hyposulfurous
hyposulphate
hyposulphite
hyposulphric
hyposulphurous
hyposuprarenalism
hyposyllogistic
hyposynaphe
hyposynergia
hyposystole
hypotactic
hypotarsal
hypotarsus
hypotaxia
hypotaxic
hypotaxic
hypotaxis
hypotension
hypotensive
hypotensor
hypotenuous
hypotenuse
hypotenuses
hypoth
hypothalami
hypothalamic
hypothalamus
hypothalli
hypothalline
hypothallus
hypothami
hypothec
hypotheca
hypothecal
hypothecary
hypothecate
hypothecated
hypothecater
hypothecates
hypothecating
hypothecation
hypothecative
hypothecator
hypothecatory
hypothecia
hypothecial
hypothecium
hypothecs
hypothenal
hypothenar
hypothenic
hypothenusal
hypothenuse
hypothermal
hypothermia
hypothermic
hypothermy
hypotheses
hypothesi
hypothesis
hypothesise
hypothesised
hypothesiser
hypothesising
hypothesist
hypothesists
hypothesize
hypothesized
hypothesizer
hypothesizers
hypothesizes
hypothesizing
hypothetic
hypothetical
hypothetically
hypotheticalness
hypothetics
hypothetist
hypothetize
hypothetizer
hypothyreosis
hypothyroid
hypothyroidism
hypothyroids
hypotonia
hypotonic
hypotonically
hypotonicity
hypotonus
hypotony
hypotoxic
hypotoxicity
hypotrichelia
hypotrichelium
hypotrailia
hypotrich
hypotrichosis
hypotrichous
hypotrochanteric
hypotrochoid
hypotrochoidal
hypotrophic
hypotrophies
hypotrophy
hypothallii
hypotympanic
hypotype
hypotypic
hypotypical
hypotyposis
hypovalve
hypovanadate
hypovanadic
hypovanadious
hypovanadous
hypovitaminosis
hypoxanthic
hypoxanthine
hypoxemia
hypoxemic
hypoxia
hypoxias
hypoxic
hypozeugma
hypozeuxis
hypozoan
hypozoic
hypped
hypppish
hyps
hypsibrachycephalic
hypsibrachycephalism
hypsibrachycephaly
hypsicephalic
hypsicephalous
hypsicephaly
hypsidolichocephalic
hypsidolichocephalism
hypsidolichocephaly
hypsiliform
hypsiloid
hypsilophodont
hypsilophodontid
hypsilophodontoid
hypsipyle
hypsistarian
hypsistenocephalic
hypsistenocephalism
hypsistenocephaly
hypsobathymetric
hypsocephalous
hypsochrome
hypsochromic
hypsochromy
hypsodont
hypsodontism
hypsodonty
hypsographic
hypsographical
hypsography
hypsoisotherm
hypsometer
hypsometric
hypsometrical
hypsometrically
hypsometrist
hypsometry
hypsophobia
hypsopheia
hypspohonous
hypspophyll
hypspophyllar
hypspophyllary
hypspophyllous
hypspophyllum
hypsothermometer
hypt
hypural
hyraces
hyraceum
hyracid
hyraciform
hyracodont
hyracodontid
hyracodontoid
hyracoid
hyracoidean
hyracoidian
hyracoids
hyracothere
hyracotherian
hyrate
hyrax
hyraxes
hyrse
hyrst
hyson
hysons
hyssop
hyssops
hystazarin
hysteralgia
hysteralgic
hysteranthous
hysterectomies
hysterectomize
hysterectomized
hysterectomizes
hysterectomizing
hysterectomy
hysterelcosis
hysteresimal
hysteresis
hysteretic
hysteretically
hysteric
hysterical
hysterically
hystericky
hysterics
hystericus
hysteriform
hysteroid
hysterocatalepsy
hysterocele
hysteroceleisis
hystero-cystalline
hystero-cystic
hysterodynia
hysterogen
hysterogenetic
hysterogenic
hysterogenous
hysterogeny
hysteroid
hysteroidal
hysterolaparotomy
hysterolith
hysterolithiasis
hysterology
hysterolysis
hysteromania
hysteromaniac
hysteromaniacal
hysterometer
hysterometry
hysteromorphous
hysteromyoma
hysteromyomectomy
hysteron
hysteroneurasthenia
hysteropathy
hysteropexia
hysteropexy
hysterophore
hysterophyal
hysterophyte
hysteroproterize
hysteroptosis
hysteroptosis
hysterorrhaphy
hysterorrhexis
hysteroscope
hysterosis
hysterotely
hysterotome
hysterotomies
hysterotomy
hysterotraumatism
hystriciasis
hystricid
hystricine
hystricism
hystricismus
hystricoid
hystricomorph
hystricomorphic
hystricomorphous
hyte
hythergraph
hyzone
i
i'
i'd
i'th
i'll
i'm
i's
i've
i/c
ia
iago
iamatology
iamb
iambegus
iambi
iambic
iambical
iambically
iambics
iambist
iambize
iambographer
iambs
iambus
iambuses
ianthine
ianthinite
iao
iare
iarovization
iarovize
iarovized
iarovizing
iatrialiptic
iatrialiptics
iatic
iatical
iatrochemic
iatrochemical
iatrochemically
iatrochemist
iatrochemistry
iatrogenic
iatrogenically
iatrogenicity
iatrological
iatrology
iatromathematical
iatromathematician
iatromathematics
iatromechanical
iatromechanist
iatrophysical
iatrophysicist
iatrophysics
iatrotechnics
ib
iba
iberia
iberian
iberians
iberite
ibex
ibexes
ibices
ibid
ibidem
ibidine
ibis
ibishill
ibises
ibm
ibolium
ibota
ibsenism
ibuprofen
ic
icacinaceous
icaco
icarian
icarus
icasm
icbm
ice
iceberg
iceberg's
icebergs
iceblink
iceblinks
iceboat
iceboater
iceboating
iceboats
icebone
icebound
icebox
iceboxes
icebreaker
icebreakers
icecap
icecaps
icecraft
iced
icefall
icefalls
icefish
icefishes
icehouse
icehouses
icekhana
icekhanas
iceland
icelander
icelanders
icelandic
iceleaf
iceless
icelike
iceman
icemen
iceni
icepick
icequake
iceroot
ices
iceskate
iceskated
iceskating
icespar
icework
ich
ichebu
ichibu
ichneumon
ichneumoned
ichneumonid
ichneumonidan
ichneumoniform
ichneumonized
ichneumonoid
ichneumonology
ichneumous
ichneutic
ichnite
ichnites
ichnographic
ichnographical
ichnographically
ichnographies
ichnography
ichnolite
ichnolithology
ichnolitic
ichnological
ichnology
ichnomancy
icho
ichoglan
ichor
ichorous
ichorrhaemia
ichorrhea
ichorrhemia
ichorrhoea
ichors
ichs
ichth
ichthammol
ichthulin
ichthulinic
ichthus
ichthyal
ichthyian
ichthyic
ichthycian
ichthyism
ichthyisms
ichthyismus
ichthyization
ichthyized
ichthyobatrachian
ichthyocephalous
ichthyocol
ichthyocolla
ichthyocoprolite
ichthyodian
ichthyodont
ichthyodorulite
ichthyodorylite
ichthyofauna
ichthyofaunal
ichthyiform
ichthyographer
ichthyographia
ichthyographic
ichthyographies
ichthyography
ichthyoid
ichthyoidal
ichthyl
ichthyolatrous
ichthyolatry
ichthyolite
ichthyolitic
ichthyologic
ichthyological
ichthyologically
ichthyologist
ichthyologists
ichthyology
ichthyomancy
ichthyomania
ichthyomantic
ichthyomorphic
ichthyomorphous
ichthyonomy
ichthyopaleontology
ichthyophagan
ichthyophagi
ichthyophobic
ichthyophagist
ichthyophagize
ichthyophagous
ichthyophagy
ichthyophile
ichthyophobia
ichthyophthalmite
ichthyophthiriasis
ichthyophthirius
ichthyopolism
ichthyopolist
ichthyopsid
ichthyopsida
ichthyopsidan
ichthyopterygian
iconize
iconoclasm
iconoclast
iconoclastic
iconoclastically
iconoclasticism
iconoclasis
iconodule
iconodulic
iconodulist
iconoduly
iconograph
iconographer
iconographic
iconographical
iconographically
iconographies
iconographer
iconography
iconolagny
iconolater
iconolatrous
iconolatry
iconological
iconologist
iconology
iconomachal
iconomachist
iconomachy
iconomania
iconomatic
iconically
iconomatically
iconomaticism
iconomatography
iconometer
iconometric
iconometrical
iconometrically
iconometry
iconophile
iconophilism
iconophilist
iconophily
iconoplast
iconoscope
iconostas
iconostases
iconostasion
iconostasis
iconotype
icons
iconv
iconvert
icosaheddra
icosahedra
icosahedral
icosahedron
icosahedrons
icosandria
icosasemiotic
icosian
icositedra
icositetrahedra
icositetrahedron
icositetrahedrons
icosteid
icosteine
icotype
icteric
icterical
icterics
icterine
icteritious
icteritous
icterode
icterogenous
icterogenetic
icterogenic
icterogenous
icterohematuria
icteroid
icterous
icterus
icteruses
ictic
ictuate
ictus
ictuses
icy
id
idaein
idaho
idahoan
idahoans
idalia
idant
idcue
iddat
iddhi
ide
idea
idea'd
idea's
ideaed
ideaful
ideagenous
ideastic
ideal
idealess
idealisation
idealise
idealised
idealiser
idealises
idealising
idealism
idealisms
idealist
idealistic
idealistical
idealistically
idealists
idealities
ideality
idealization
idealization's
idealizations
idealize
idealized
idealizer
idealizes
idealizing
idealless
ideally
idealness
idealogical
idealogies
idealogue
idealogy
ideals
idealy
ideamonger
ideas
ideate
ideated
ideates
ideating
ideation
ideational
ideationally
ideations
ideative
ideatum
idee
ideefixe
ideist
idem
idemfactor
idempotency
idempotent
idence
identifiers
ident
identic
identical
identicalism
identically
identicalness
identies
identifier
identifiers
identifiability
identifiable
identifiableness
identifiably
identific
identification
identificational
identifications
identified
identifier
identifiers
identifies
identify
identifying
identism
identities
identity
identity's
ideo
ideogenetic
ideogenical
idgah
idiasm
idic
idigbo
idiobiology
idioblast
idioblastic
idiochromatic
idiochromatin
idiochromosome
idiocies
idiocrasies
idiocrasis
idiocracy
idiocratic
idiocratically
idiocy
idiocyclophanous
idiodynamic
idiodynamics
idoelectric
idoelectrical
idiogenesis
idiogenetic
idiogenous
idioglottic
idiogram
idiograph
idiographic
idiographical
idiohypnotism
idiolalia
idiolatry
idiolect
idiolectal
idiolects
idiologism
idiolysin
idiom
idiomatic
idiomatical
idiomatically
idiomationalness
idiomaticity
idiomaticness
idiomelon
idiometer
idiomography
idiomology
idiomorphic
idiomorphically
idiomorphism
idiomorphous
idioms
idiomuscular
idion
idiopathetic
idiopathic
idiopathical
idiopathically
idiopathies
idiopathy
idiophanism
idiophonous
idiophone
idiophonic
idioplasm
idioplasmatic
idioplasmic
idiopsychological
idiopsychology
idioreflex
idiorepulsive
idioretinal
idiorrhythmic
idiorrhythmism
idiorrhythmy
idiosome
idiospasms
idiospastic
idiostatic
idiosyncracies
idiosyncracy
idiosynrasies
idiosyncrasy
idiosyncrasy's
idiosyncratic
idiosyncratical
idiosyncratically
idiot
idiot's
idiotcies
idiotcy
idiothalamous
idiothermic
idiothermous
idiothermy
idiotic
idiotical
idiotically
idioticalness
idioticon
idiotise
idiotised
idiotish
idiotising
idiotism
idiotisms
idiotize
idiotized
idiotizing
idiotropic
idiotropic
idiotropy
idiots
idiotype
idiotypic
idiozome
idite
iditol
idle
idleby
idled
idleful
idleheaded
idlehood
idleman
idlemen
idlement
idleness
idlenesses
idler
idlers
idles
idleset
idleship
idlesse
idlesses
idlest
idlety
idling
idlish
idly
ido
idocrase
idocrases
idol
idol’s
idola
idolaster
idolastre
idolater
idolaters
idolatress
idolatric
idolatrical
idolatries
idolatrise
idolatrised
idolatriser
idolatrising
idolatrize
idolatrized
idolatrizer
idolatrizing
idolatrous
idolatrously
idolatrouness
idolatry
idolet
idolify
idolisation
idolise
idolised
idoliser
idolisers
idolisises
idolish
idolising
idolism
idolisms
idolist
idolistic
idolization
idolize
idolized
idolizer
idolizers
idolizes
idolizing
<table>
<thead>
<tr>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
</tr>
</thead>
<tbody>
<tr>
<td>idoloclast</td>
<td>idoloclastic</td>
<td>idolodulia</td>
<td>idolographical</td>
<td>idololater</td>
<td>idololatrical</td>
<td>idololatry</td>
<td>idolomancy</td>
<td>idolomania</td>
</tr>
<tr>
<td>idolon</td>
<td>idolothye</td>
<td>idolothytic</td>
<td>idolous</td>
<td>idols</td>
<td>idolum</td>
<td>idoneal</td>
<td>idoneities</td>
<td>idoneity</td>
</tr>
<tr>
<td>idoneous</td>
<td>idoneousness</td>
<td>idorgan</td>
<td>idosaccharic</td>
<td>idose</td>
<td>idrialin</td>
<td>idrialine</td>
<td>idrialite</td>
<td>idrosis</td>
</tr>
<tr>
<td>idryl</td>
<td>ids</td>
<td>idyl</td>
<td>idyler</td>
<td>idylian</td>
<td>idylism</td>
<td>idylist</td>
<td>idylists</td>
<td>idylize</td>
</tr>
<tr>
<td>idyll</td>
<td>idyller</td>
<td>idyllia</td>
<td>idyllian</td>
<td>idyllic</td>
<td>idyllician</td>
<td>idyllic</td>
<td>idyllically</td>
<td>idyllicism</td>
</tr>
<tr>
<td>idyllion</td>
<td>idyllion</td>
<td>idyllis</td>
<td>idyllists</td>
<td>idyllist</td>
<td>idyllists</td>
<td>idyllium</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Open Source Used In CSPC_Collector 2.9.1 12567
idylls
idyls
ie
ieee
if
ife
ifecks
iff
iffier
iffiest
iffiness
iffinesses
iffy
ifint
ifreal
ifree
ifrit
ifs
igad
igarape
igasuric
igdrasil
igelstromite
ighly
igitur
iglesia
igloo
igloos
iglu
iglus
ign
igname
ignaro
ignatia
ignatian
ignatias
ignavia
ignaw
igneoaqueous
igneous
ignescence
ignescent
ignicolist
igniferous
igniferousness
ignified
ignifies
igniluous
igniform
ignifuge
ignify
ignifying
ignigenous
ignipotent
ignipuncture
ignis
ignitability
ignitable
ignite
ignited
igniter
igniters
ignites
ignitibility
ignitible
igniting
ignition
ignitions
ignitive
ignitor
ignitors
igniton
ignitrons
ignivomous
ignivomousness
ignobility
igne
ignobleness
ingnoblesse
ignobly
ignominies
ignominious
ignominiously
ignominiousness
ignominy
ignomious
ignorable
ignoramus
ignoramuses
ignorance
ignorant
ignorantia
ignorantine
ignorantism
ignorantist
ignorantly
iliocostales
iliocostalis
iliodorsal
iliofemoral
iliohypogastric
iliinguinal
ilioischiac
ilioischiatic
iliolumbar
ilion
iliopectineal
iliopelvic
ilioperoneal
iliopsoas
iliopsoatic
iliopubic
iliosacral
iliosciatic
ilioscirotal
iliospinal
iliotibial
iliotrochanteric
ilium
ilixanthin
ilk
ilka
ilkane
ilks
ill
illabile
illaborate
illachrymable
illachrymableness
illamon
illapsable
illapse
illapsed
illapsing
illapsive
illaqueable
illaqueate
illaqueation
illation
illations
illative
illatively
illatives
illaudable
illaudably
illaudation
illaudatory
illbred
illdisposedness
illecebration
illecebrous
illeck
illect
illegal
illegalisation
illegalise
illegalised
illegalising
illegalities
illegality
illegalization
illegalize
illegalized
illegalizing
illegally
illegalness
illegibility
illegible
illegibleness
illegibly
illegitimacies
illegitimacy
illegitimate
illegitimated
illegitimately
illegitimateness
illegitimating
illegitimation
illegitimatisate
illegitimatised
illegitimatising
illegitimatize
illegitimatized
illegitimatizing
illeism
illeist
iller
illess
illest
illeviable
illfare
illguide
illiterates
illiterati
illiterature
illites
illitic
illium
illmanneredness
illnatur
illness
illness's
illnesses
illocal
illocality
illocally
illocution
illogic
illogical
illogicalacies
illogicality
illogically
illogicalness
illogician
illogicity
ilogics
illoricate
illoricated
illoyal
illoyalty
ills
illtempered
ilth
illtreatment
illucidate
illucidation
illucidative
illude
illuded
illudedly
illuder
illuding
illume
illum
illumined
illuminate
illuminating
illuminable
illuminance
illuminated
illusiveness
illusor
illusorily
illusoriness
illusory
illust
illustrable
illustratable
illustrate
illustrated
illustrates
illustrating
illustration
illustrational
illustrations
illustrative
illustratively
illustrator
illustrator's
illustrators
illustratory
illustratress
illustre
illustricity
illustrious
illustriously
illustriousness
illustrissimo
illustrous
illutate
illutation
illuvia
illuvial
illuviate
illuviated
illuviating
illuviation
illuvium
illuviums
illuvivia
illy
illyrian
ilmenite
ilmenites
ilmenitite
ilmenorutile
ilocano
ilot
imbolden
imboldened
imboldening
imboldens
imbolish
imbondo
imbonity
imborder
imbordure
imborsation
imboscata
imbosk
imbosom
imbosomed
imbosoming
imbosoms
imbower
imbowered
imbowering
imbowers
imbraceries
imbracery
imbranch
imbrangle
imbrangled
imbrangling
imbreathe
imbred
imbreviate
imbreviated
imbreviating
imbrex
imbricate
imbricated
imbricately
imbricating
imbrication
imbrications
imbricative
imbrices
imbrier
imbrium
imbrocado
imbroccata
imbroglio
imbroglios
imbrioin
imbrown
imbrowned
imbrowning
imbrowns
imbrue
imbrued
imbruement
imbrues
imbruing
imbrute
imbruted
imbrutement
imbrutes
imbruting
imbu
imbue
imbued
imbuement
imbues
imbua
imbuing
imburse
imbursed
imbursement
imbursing
imbute
imcnt
imdtly
imelle
imi
imid
imidazol
imidazole
imidazolyl
imide
imides
imidic
imido
imidogen
imids
iminazole
imine
imines
imino
iminohydrin
iminourea
imipramine
imit
imitability
immantling
inmarble
immarciscible
immarciscibly
immarcibleness
immarginate
immartial
inmask
inmatchable
immatchless
immatereality
immaterial
immaterialise
immaterialised
immaterialising
immaterialism
immaterialist
immaterialistic
immaterialities
immateriality
immaterialization
immaterialize
immaterialized
immaterializing
immaterially
immaterialness
immaterials
immateriate
immatriculate
immatriculatation
immature
immatured
immaturely
immatureness
immatures
immaturities
immaturity
immeability
immeasurability
immeasurable
immeasurableness
immeasurably
immeasured
immechanical
immechanically
immediacies
immediacy
im medial
immediate
immediately
immediateness
immediatism
immediatist
immediately
immedicable
immedicableness
immedicably
immelmann
immelodious
immember
immemorable
immemorial
immemorially
immense
immensely
immenseness
immenser
immensest
immensible
immensities
immensittee
immensity
immensive
immensurability
immensurable
immensurableness
immensurate
immerd
immerge
immerged
immergence
immergent
immerses
immersible
immersing
immerse
immersed
immersement
immerses
immersible
immersing
immersion
immiss
immission
immit
immitigability
immitigable
immitigableness
immitigably
immittance
immitted
immix
immixable
immixed
immixes
immixing
immixt
immixing
immixture
immobile
immobiles
immobilia
immobilisation
immobilise
immobilised
immobilising
immobilism
immobilities
immobility
immobilization
immobilize
immobilized
immobilizer
immobilizes
immobilizing
immoderacy
immoderate
immoderately
immoderateness
immoderation
immodest
immodestly
immodesty
immodish
immodulated
immolate
immolated
immolates
immolating
immolation
immolations
immolator
immoment
immomentous
immonastered
immoral
immoralise
immoralised
immoralising
immoralism
immoralist
immoralities
immorality
immoralize
immoralized
immoralizing
immorally
immorigerous
immorigerousness
immortality
immortalable
immortal
immortalisable
immortalisation
immortalise
immortalised
immortaliser
immortalising
immortalism
immortalist
immortalities
immortality
immortalizable
immortalization
immortalize
immortalized
immortalizer
immortalizes
immortalizing
immortally
immortalness
immortals
immortalship
immortelle
immortification
immortified
immote
immotile
immotility
immotioned
immotive
immound
immov
immovability
immovable
immovableness
immovables
immovably
immovable
immoveability
immovable
immovable
immow
immovement
immovably
immuned
immun
immund
immundicity
immundity
immune
immunes
immunisation
immunise
immunised
immuniser
immunises
immunising
immunist
immunities
immunity
immunity's
immunization
immunizations
immunize
immunized
immunizer
immunizes
immunizing
immunoassay
immunochemical
immunochemically
immunochemistry
immunodiffusion
immunoelectrophoresis
immunoelectrophoretic
immunoelectrophoretically
immunofluorescence
immunofluorescent
immunogen
immunogenesis
immunogenetic
immunogenetical
immunogenetically
immunogenetics
immunogenic
immunogenically
immunogenicity
immunoglobulin
immunohematologic
immunohematological
immunohematology
immunol
immunologic
immunological
immunologically
immunologies
immunologist
immunologists
immunology
immunopathologic
immunopathological
immunopathologist
immunopathology
immunoreaction
immunoreactive
immunoreactivity
immunosuppressant
immunosuppressants
immunosuppression
immunosuppressive
immunotherapies
immunotherapy
immunotoxin
immuration
immure
immured
immurement
immures
immuring
immusical
immusically
immutability
immutable
immutableness
immutably
immutate
immutation
immune
immutilate
immunal
immy
imonium
imp
impacability
impacable
impack
impackment
impact
impacted
impacter
impacters
impactful
impacting
impaction
impactionize
impactite
impactive
impactment
impactor
impactor's
impactors
impacts
impactual
impages
impaint
impainted
impainting
impaints
impair
impairable
impaired
impairer
impairers
impairing
impairment
impairments
impairs
impala
impalace
impalas
impalatable
impale
impaled
imparl
imparlance
imparled
imparling
imparsonee
impart
impartability
impartable
impartance
impartation
imparted
imparter
imparters
impartial
impartialism
impartialist
impartiality
impartially
impartialness
impartibility
impartible
impartibly
imparticipable
imparting
impartite
impartive
impartivity
impartment
imparts
impassability
impassable
impassableness
impassably
impasse
impasses
impassibibly
impassibility
impassible
impassibleness
impassibly
impassion
impassionable
impassionate
impassionately
impassioned
impassionedly
impassionedness
impassioning
impassionment
impassive
impassively
impassiveness
impassivity
impastation
impaste
impasted
impastes
impasting
impasto
impastoed
impastos
impasture
impaternate
impatible
impatience
impatiency
impatiens
impatient
impatientaceous
impatiently
impatientness
impatronize
impave
impavid
impavidity
impavidly
impawn
impawned
impawning
impawns
impayable
impeach
impeachability
impeachable
impeachableness
impeached
impeacher
impeachers
impeaches
impeaching
impeachment
impeachments
impearl
impearled
impearling
impearls
impeccability
impeccable
impeccableness
impeccably
impeccance
impeccancy
impeccant
impeccunious
impectinate
impecuniary
impecuniosity
impecunious
impecuniously
impecuniousness
imped
impedance
impedance's
impedances
impede
impeded
impeder
impeders
impedes
impedibility
impedible
impedient
impediment
impediment's
impedimenta
impedimental
impedimentary
impediments
impeding
impedingly
impedit
impedite
impedition
impeditive
impedometer
impedor
impeevish
impel
impelled
impellent
impeller
impellers
impelling
impellor
impellors
impels
impen
impend
impended
impedence
impendency
impendent
impending
impendingly
impends
impenetrability
impenetrable
impenetrableness
impenetrably
impenetrate
impenetration
impenetrative
impenitence
impenitency
impenitent
impenitently
impenitentness
impenitible
impenitibleness
impennate
impennous
impent
impeople
imper
imperance
imperant
imperate
imperation
imperatival
imperativally
imperative
imperatively
imperativeness
imperatives
imperator
imperatorial
imperatorially
imperatorian
imperatorin
imperatorious
imperatorship
imperatory
imperatrice
imperatrix
imperceivable
imperceivableness
imperceivably
imperceived
imperceiverant
imperceptibility
imperceptible
imperceptibleness
imperceptibly
imperception
imperceptive
imperceptiveness
imperceptivity
impercipient
imperdible
imperence
imperent
imperf
imperfect
imperfectability
imperfected
imperfectibility
imperfectible
imperfection
imperfection's
imperfections
imperfectious
imperfective
imperfectly
imperfectness
imperfects
imperforable
imperforate
imperforated
imperforates
imperforation
imperformable
imperia
imperial
imperialin
imperialine
imperialisation
imperialise
imperialised
imperialising
imperialism
imperialist
imperialist's
imperialistic
imperialistically
imperialists
imperialities
imperiality
imperialization
imperialize
imperialized
imperializing
imperially
imperialness
imperials
imperialty
imperii
imperil
imperiled
imperiling
imperilled
imperilling
imperilment
imperilments
imperils
imperious
imperiously
imperiousness
imperish
imperishability
imperishable
imperishableness
imperishably
imperite
imperium
imperiums
impermanence
impermanency
impermanent
impermanently
impermeabilities
impermeability
impermeabilization
impermeabilize
impermeable
impermeableness
impermeably
impermeated
impermeator
impermissibility
impermissible
impermissibly
impermixt
impermutable
imperperia
impers
imperscriptible
imperscrutable
imperseverant
impersonable
impersonal
impersonalisation
impersonalise
impersonalised
impersonalising
impersonalism
impersonalities
impersonality
impersonalization
impersonalize
impersonalized
impersonalizing
impersonally
impersonate
impersonated
impersonates
impersonating
impersonation
impersonations
impersonative
impersonator
impersonators
impersonatress
impersonatrix
impersonification
impersonify
impersonization
impersonize
imperspicible
imperspicuity
imperspicuous
imperspirability
imperspirable
impersuadability
impersuadable
impersuadableness
impersuasibility
impersuasible
impersuasibleness
impersuasibly
impertinacy
impertinence
impertinences
impertinencies
impertinency
impertinent
impertinently
impertinentness
impertransible
imperturbability
imperturbable
imperturbableness
imperturbably
imperturbation
imperturbed
impervise
impervertible
impervestigable
imperviability
imperviable
imperviableness
impervial
impervious
imperviously
imperviousness
impery
impest
impestation
impecster
impeticos
impetiginous
impetigo
impetigos
impetition
impetrable
impetrate
impetrated
impetrating
impetration
impetrative
impetrator
impetratory
impetre
impetulant
impetulantly
impetuositites
impetuosity
impetuoso
impetuous
impetuously
impetuousness
impeturability
impetus
impetuses
impeyan
impf
imphee
impees
impi
impicture
impierce
im pierceable
impies
impieties
impiety
impignorate
impignorated
impignorating
impignoration
imping
impinge
impinged
impingement
impingements
impingence
impingent
impinger
impingers
impinges
impinging
impings
impinguate
impious
impiously
impiousness
impis
impish
impishly
impishness
impiteous
impitiously
impitibly
implacability
implacable
implacableness
implacably
implacement
implacental
implacentalia
implacenate
implant
implantable
implantation
implanted
implanter
implating
implants
implastic
implasticity
implate
implausibilities
implausibility
implausible
implausibleness
implausibly
impleach
implead
impleadable
impleaded
impleader
impleading
impleads
impleasing
impledge
impledged
impledges
impledging
implement
implementable
implemental
implementation
implementation's
implementational
implementations
implemented
implementer
implementers
implementiferous
implementing
implementor
implorer
implorers
implores
imploring
imploringly
imploringness
implosion
implosions
implosive
implosively
implume
implumed
implunge
impluvia
impluvium
imply
implying
impocket
impofo
impoison
impoisoner
impolarily
impolarizable
impolder
impolicies
impolicy
impolished
impolite
impolitely
impoliteness
impolitic
impolitical
impolitically
impoliticalness
impoliticly
impoliticness
impollute
imponderabilia
imponderability
imponderable
imponderableness
imponderables
imponderably
imponderous
impone
imponed
impanent
impanes
imponing
impoor
impopular
impopularly
imporosity
imporous
import
importability
importable
importableness
importably
importance
importancy
important
importantly
importation
importations
imported
importee
importer
importers
importing
importless
importment
importraiture
importray
imports
importunable
importunacy
importunance
importunate
importunately
importunateness
importunator
importune
importuned
importunely
importunement
importuner
importunes
importuning
importunite
importunities
importunity
imposable
imposableness
imposal
impose
imposed
imposition
imposer
imposers
imposes
imposing
imposingly
imposingness
imposition
imposition's
impositional
impositions
impositive
impossibilia
impossibilification
impossibilism
impossibilist
impossibilitate
impossibilities
impossibility
impossible
impossibleness
impossibly
impost
imposted
imposter
imposterous
imposters
imposthumate
imposthume
imposting
impostor
impostor's
impostorism
impostors
impostorship
impostress
impostrix
impostrous
imposts
impostumate
impostumation
impostume
imposture
impostures
imposturism
imposturous
impostury
imposure
impot
impotable
impotence
impotences
impotencies
impotency
impotent
impotently
impotentness
impotents
impotionate
impound
impoundable
impoundage
impounded
impounder
impounding
impoundment
impoundments
impounds
impoverish
impoverished
impoverisher
impoverishes
impoverishing
impoverishment
impower
impowered
impowering
impowers
impracticability
impracticable
impracticableness
impractically
impractical
impracticalities
impracticality
impractically
impracticalness
impras
imprecant
imprecate
imprecated
imprecates
imprecating
imprecation
imprecations
imprecator
imprecatorily
imprecators
imprecatory
imprecise
imprecisely
impreciseness
imprecision
imprecisions
impredicability
impredicable
impregn
impregnability
impregnable
impregnableness
impregnably
impregnant
impregnate
impregnated
impregnates
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnate
impregnated
impregnates
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
impregnator
impregnatory
impregned
impregnating
impregnation
impregnations
impregnative
imprevisability
imprevisible
imprevision
imprevu
imprimatur
imprimatura
imprimatus
imprime
impriment
imprimery
imprimis
imprimitive
imprimivity
imprint
imprinted
imprinter
imprinters
imprinting
imprints
imprison
imprisonable
imprisoned
imprisoner
imprisoning
imprisonment
imprisonment's
imprisonments
imprisons
improbabilities
improbability
improbabilize
improbable
improbableness
improbably
improbate
improbation
improbative
improbatory
improbity
improcreant
improcurability
improcurable
improducible
improduction
improficiency
improficiency
improfitable
improgressive
improgressively
improgressiveness
improlific
improlificative
improlifically
imprompt
impromptitude
impromptu
impromptuary
impromptuist
improof
improper
improperation
improperly
improperness
impropitious
improportion
impropriate
impropriated
impropriating
impropriation
impropriator
impropriatrice
impropriatrix
improprieties
impropriety
improprium
impropri
improsperity
improsperous
improvability
improvable
improvableness
improvably
improve
improved
improvement
improvements
improver
improvers
improvership
improves
improvided
improvidence
improvident
improvidentially
improvidently
improving
improvingly
improvisate
improvisation
improvisation's
improvisational
improvisations
improvisatize
improvisator
improvisatore
improvisatorial
improvisatorially
improvisatorize
improvisatory
improvisatrice
improvise
improvised
improvisedly
improviser
improvisers
improvises
improvising
improvision
improviso
improvisor
improvisors
improvisatore
improvisatori
imprudence
imprudence
imprudent
imprudential
imprudently
imprudentness
imps
impship
impsonite
impuber
impuberate
impuberty
impubic
impudence
impudencies
impudency
impudent
impudently
impudentness
impudicity
impugn
inadulterate
inadventurous
inadvertant
inadvertantly
inadvertence
inadvertences
inadvertencies
inadvertency
inadvertent
inadvertently
inadvertisement
inadvisability
inadvisable
inadvisableness
inadvisably
inadvisedly
inaesthetic
inaffability
inaffable
inaffably
inaffectation
inaffected
inagglutinability
inagglutinable
inaggressive
inagile
inaidable
inaidible
inaja
inalacrity
inalienability
inalienable
inalienableness
inalienably
inalimental
inalterability
inalterable
inalterableness
inalterably
inamia
inamissibility
inamissible
inamissibleness
inamorata
inamoratas
inamorate
inamoration
inamorato
inartificiality
inartificially
inartificialness
inartistic
inartistical
inartisticality
inartistically
inasmuch
inassimilable
inassimilation
inassuageable
inattackable
inattention
inattentive
inattentively
inattentivenes
inaudibility
inaudible
inaudibleness
inaudibly
inaugur
inaugural
inaugurals
inaugurate
inaugurated
inaugurates
inaugurating
inauguration
inaugurations
inaugurative
inaugurator
inauguratory
inaugurer
inaunter
inaurate
inauration
inauspicate
inauspicious
inauspiciously
inauspiciousness
inauthentic
inauthenticity
inauthoritative
inauthoritativeness
inaxon
inbardge
inbassat
inbred
incapacitating
incapacitation
incapacitator
incapacities
incapacity
incapsulate
incapsulated
incapsulating
incapsulation
incaptivate
incarcerate
incarcerated
incarcerates
incarcerating
incarceration
incarcerations
incarcerative
incarcerator
incarcerators
incardinate
incardinated
incardinating
incardination
incarmined
incarn
incarnadine
incarnadined
incarnadines
incarnadining
incarnalise
incarnalised
incarnalising
incarnalizing
incarnant
incarnate
incarnated
incarnates
incarnating
incarnation
incarnation's
incarnational
incarnationist
incarnations
incarnative
incarve
incas
incase
incased
incasement
incases
incasing
incask
incast
incastellate
incastellated
incatenate
incatenation
incautelous
incation
incautious
incautiously
incautiousness
incavate
incavated
incavation
incave
incavern
incavo
incede
incedingly
incellebry
incend
incendiaries
incendiarism
incendiariist
incendiariize
incendiariized
incendiary
incendious
incendium
incendivity
incensation
incense
incensed
incenseless
incensement
incenser
incenses
incensing
incension
incensive
incensor
incensors
incensorial
incensurable
incensurably
incenter
incentive
incentive's
incentively
incentives
incentor
incentre
incept
incepted
incepting
inception
inceptions
inceptive
inceptively
inceptor
inceptors
incepts
inerate
inceration
incertain
incertainty
incertitude
incessable
incessably
incessancy
incessant
incessantly
incessantness
incession
incest
incests
incestuous
incestuously
incestuousness
incerporate
inch
inchain
inchamber
inchangeable
inchant
incharitable
incharity
inch
incher
inches
inchest
inching
inchling
inchmeal
inchoacy
inchoant
inchoate
inchoated
inchoately
inchoateness
inchoating
inchoation
inchoative
inchoatively
inchpin
inchurch
inchworm
inchworms
incicurable
incide
incidence
incidency
incident
incident's
incidental
incidentalist
incidentally
incidentalness
incidents
incienso
incinerable
incinerate
incinerated
incinerates
incinerating
incineration
incinerations
incinerator
incinerators
incipience
incipiens
incipient
incipiently
incipit
incipits
incipitur
incircle
incirclet
incircumscribable
incircumscription
incircumspect
incircumspection
incircumspectly
incircumspection
incisal
incise
incised
incisely
incises
incisiform
incising
incision
incisions
incisive
incisively
incisiveness
incisor
incisorial
incisors
incisory
incisura
incisural
incisure
incisures
incitability
incitable
incitamentum
incitant
incitants
incitate
incitation
incitations
incitative
incite
incited
incitement
incitements
inciter
inciters
incites
inciting
incitingly
incitive
incitory
incitress
incivic
incivil
incivilities
incivility
incivilization
incivily
incivism
incl
inclamation
inclasp
inclasped
inclasping
inclasps
inclaudent
inclave
inclavate
inclave
incl
inclemencies
inclemency
inclement
inclemently
inclementness
inclinable
inclinableness
inclination
inclination's
inclinational
inclinations
inclinator
inclinatorily
inclinatorium
inclinatory
incline
inclined
inclin
incliner
inliners
inclines
inclining
inclinograph
inclinometer
inclip
inclipped
inclipping
inclips
incoached
incoacted
incoagulable
incoalescence
incocted
incoercible
incoexistence
incoffin
incog
incogent
incogitability
incogitable
incogitance
incogitancy
incogitant
incogitantly
incogitative
incognita
incognite
incognitive
incognito
incognitos
incognizability
incognizable
incognizance
incognizant
incognoscent
incognoscibility
incognoscible
incogs
incoherence
incoherences
incoherencies
incoherency
incoherent
incoherentific
incoherently
incoherentness
incohering
incohesion
incohesive
incoincidence
incoincident
incolant
incolumity
incomber
incombining
incombustibility
incombustible
incombustibleness
incombustibly
incombustion
income
incomeless
incomer
incomers
incomes
incoming
incomings
incommend
incommensurability
incommensurable
incommensurableness
incommensurably
incommensurate
incommensurately
incommensurateness
incommiscibility
incommiscible
incommixed
incommodate
incommodation
incommode
incommoded
incommodement
incommodes
incommoding
incommodious
incommodiously
incommodiousness
incommodities
incommodity
incommunicability
incommunicable
incommunicableness
incommunicably
incommunicado
incommunicated
incommunicative
incommunicatively
incommunicativeness
incommutability
incommutable
incommutableness
incommutably
incompact
incompacted
incompactly
incompactness
incomparability
incomparable
incomparableness
incomparably
incompared
incompassion
incompassionate
incompassionately
incompassionateness
incompatibilities
incompatibility
incompatibility's
incompatible
incompatibleness
incompatibles
incompatibly
incompendious
incompensated
incompensation
incompetence
incomptence
incompetencies
incompetency
incompetent
incompetent's
incompetently
incompetentness
incompetents
incompetible
incompletability
incompletable
incompletabilityness
incomplete
incompleted
incompletely
incompleteness
incompletition
incomplex
incompliable
incompliance
incompliancies
incompliancy
incompliant
incompliantly
incomplicate
incomplying
incomportable
incomposed
incomposedly
incomposedness
incomposite
incompossibility
incompossible
incomposure
incomprehended
incomprehending
incomprehendingly
incomprehense
incomprehensibility
incomprehensible
incomprehensibleness
incomprehensiblies
incomprehensibly
incomprehension
incomprehensive
inconel
inconfirm
inconfirmed
inconform
inconformably
inconformity
inconfused
inconfusely
inconfusion
inconfutable
inconfutably
incongealable
incongealableness
incongenerous
incongenial
incongeniality
inconglomerate
incongruence
incongruent
incongruently
incongruities
incongruity
incongruous
incongruously
incongruousness
inconjoinable
inconjunct
inconnected
inconnectedness
inconnection
inconnexion
inconnu
inconnus
inconquerable
inconscience
inconscient
inconsciently
inconscionable
inconscious
inconsciously
inconsecutive
inconsecutively
inconsecutiveness
inconsequence
inconsequent
inconsequentia
inconsequential
inconsequentiality
inconsequentially
inconsequently
inconsequentness
inconsiderable
inconsiderableness
inconsiderably
inconsideracy
inconsiderate
inconsiderately
inconsiderateness
inconsideration
inconsidered
inconsistable
inconsistence
inconsistencies
inconsistencies
inconsistency
inconsistency's
inconsistent
inconsistently
inconsistentness
inconsolability
inconsolable
inconsolableness
inconsolably
inconsolate
inconsolately
inconsonance
inconsonant
inconsonantly
inconspicuous
inconspicuously
inconspicuousness
inconstance
inconstancy
inconstant
inconstantly
inconstantness
inconstruable
inconsultable
inconsumable
inconsumably
inconsumed
inconsummate
inconsumptive
incontaminable
incontaminate
incontaminateness
incontemptible
incontestabilities
incontestability
incontestable
incontestableness
incontestably
incontested
incontiguous
incontinence
incontinencies
incontinency
incontinent
incontently
incontinuity
incontinuous
incontracted
incontractile
incontraction
incontrollable
incontrollably
incontrolled
incontrovertibility
incontrovertible
incontrovertibleness
incontrovertibly
inconvenience
inconvenienced
inconveniences
inconveniencies
inconveniencing
inconveniency
inconvenient
inconvenienti
inconveniently
inconvenientness
inconversable
inconversant
inconversibility
inconverted
inconvertibilities
inconvertibility
inconvertible
inconvertibleness
inconvertibly
inconvinced
inconvincedly
inconvincibility
incorrectly
incorrectness
incorrespondence
incorrespondency
incorrespondent
incorresponding
incorrigibility
incorrigible
incorrigibleness
incorrigibly
incorrodable
incorrodible
incorrosive
incrupt
incrupted
incruptibilities
incruptibility
incruptible
incruptibleness
incruptibly
incruption
incruptive
incruptly
incruptness
incoup
incourse
incourteous
incourteously
incr
incra
incrash
incrassate
incrassated
incrassating
incrassation
incrassative
increaseable
increasableness
increase
increased
increasedly
increaseful
increasement
increaser
increasers
increases
increasing
increasingly
increate
increately
increative
incredibilities
incredibility
incredible
incredibleness
incredibly
increditability
incredible
incredibility
incredible
incredibleness
incredibly
increditability
increditable
incredulous
incredulously
incredulousness
increep
increeping
incremable
incremate
incremated
incremating
incremation
increment
incremental
incrementalism
incrementalist
incrementally
incrementation
incremented
incrementer
incrementing
increments
increpate
increpation
incrept
increcence
increscent
increst
incrition
incritionary
incrotory
incriminate
incriminated
incriminates
incriminating
incrimination
incriminator
incriminatory
incross
incrossbred
incrosses
incrossing
incrochet
circroyable
incrue
increwntal
increwntous
incrust
incrustant
incrustate
incrustated
incrustating
incrustation
incrustations
incrustator
incrusted
incrusting
incrustive
incrustment
incrusts
incrystal
incrystallizable
inctirate
inctri
incubate
incubated
incubates
incubating
incubation
incubational
incubations
incubative
incubator
incubator's
incubatorium
incubators
incubatory
incube
incubee
incubi
incubiture
incubous
incubus
incubuses
incudal
incudate
incudectomy
incudes
incudomalleal
incudostapedial
inculcate
inculcated
inculcates
inculcating
inculcation
inculcative
inculcator
inculcatory
inculk
inculp
inculpability
inculpable
inculpableness
inculpably
inculpate
inculpated
inculpates
inculpating
inculpation
inculpative
inculpatory
incult
incultivated
incultivation
inculture
incumbant
incumbence
incumbencies
incumbency
incumbent
incumbentess
incumbently
incumbents
incumber
incumbered
incumbering
incumberment
incumbers
incumbition
incumbrance
incumbrancer
incumbrances
incunable
incunabula
incunabular
incunabulist
incunabulum
incunabulum
incunaeation
incur
incurability
incurable
incurableness
incurably
incuriosity
incurious
incuriously
incuriousness
incurment
incurrable
incurred
incurrence
incurrent
incurrer
incurring
incurs
incurse
incursion
incursionary
incursionist
incursions
incursive
incertain
incurvate
incurved
incurving
incurvating
incurvation
incurvature
incurve
incurved
incures
incurring
incurvity
incurved
incus
incuse
incused
incuses
incusing
incuss
incut
incute
incutting
incysted
ind
indaba
indabas
indaconitin
indaconitine
indagate
indagated
indagates
indagating
indagation
indagative
indagator
indagatory
indamage
indamin
indamine
indamines
indamins
indan
indane
indanthrene
indart
indazin
indazine
indazol
indazole
inde
indear
indebitatus
indebt
indebted
indebtedness
indebting
indebtment
indecence
indecencies
indecency
indecent
indecenter
indecentest
indecently
indecentness
indeciduate
indeciduous
indecimable
indecipherability
indecipherable
indecipherableness
indecipherably
indecision
indecisive
indecisively
indecisiveness
indecl
indeclinable
indeclinableness
indeclinably
indecomponible
indecomposable
indecomposableness
indecorous
indecorously
indecorousness
indecorum
indeed
indeedy
indef
indefaceable
indefatigability
indefatigable
indefatigableness
indefatigably
indefeasibility
indefeasible
indefeasibleness
indefeasibly
indefeatable
indefectibility
indefectible
indefectibly
indefective
indefensibility
indefensible
indefensibleness
indefensibly
indefensive
indeficiency
indeficient
indeficiently
indefinability
indefinable
indefinableness
indefinably
indefinite

Open Source Used In CSPC_Collector 2.9.1 12643
indefinitely
indefiniteness
indefinitive
indefinitively
indefinitiveness
indefinitude
indefinity
indeflectible
indefluent
indefoformable
indefoheiscence
indefohiscent
indefectable
indefelegability
indefelegable
indefeliberate
indefeliberately
indefeliberateness
indefeliberation
indefelibility
indefileeble
indefilebleness
indefibly
indefilicacies
indefilicacy
indefilicate
indefilicately
indefilicateness
indefnication
indefnications
indefnicicator
indefnicatory
indefnified
indefnifier
indefnifies
indefnify
indefnifying
indefmitee
indefmities
indefmitor
indefmity
indefmization
indefmionate
indefmstrability
indefmstrable
indefmstrableness
indefmstrably
indene
indesert
indesignate
indesinent
indesirable
indestructibility
indestructible
indestructibleness
indestructibly
indetectable
indeterminable
indeterminableness
indeterminably
indeterminacies
indeterminacy
indeterminacy's
indeterminancy
indeterminate
indeterminately
indeterminateness
indetermination
indeterminative
indetermined
indeterminism
indeterminist
indeterministic
indevirginate
indevote
indevoted
indevotion
indevotional
indevout
indevoutly
indevoutness
indew
index
indexable
indexation
indexed
indexer
indexers
indexes
indexical
indexically
indexing
indexless
indexlessness
indexterity
india
indiadem
indiedem
indiaman
indian
indian's
indiana
indianaite
indianan
indians
indianapolis
indianian
indians
indianist
indianite
indianization
indianize
indians
indiary
indic
indicable
indical
indican
indicans
indicant
indicants
indicanuria
indicatable
indicate
indicated
indicates
indicating
indication
indicational
indications
indicative
indicatively
indicativeness
indicatives
indicator
indicator's
indicators
indicatory
indicatrix
indicavit
indice
indices
indicia
indicial
indicially
indicias
indicable
indicum
indiciums
indico
indicolite
indict
indictability
indictable
indictableness
indictably
indicted
indictee
indictees
indicter
indicters
indicating
indiction
indictional
indicative
indictment
indictment's
indictments
indictor
indictors
indicts
indidicia
indienne
indies
indiferous
indifference
indifferencies
indifferencey
indifferent
indifferential
indifferentiated
indifferentism
indifferentist
indifferentistic
indifferently
indifferentness
indifulvin
indifuscin
indigen
indigena
indigenae
indigenal
indigenate
indigence
indigency
indigene
indigenousness
indigeneity
indigenes
indigent
indigently
indigents
indiges
indigest
indigested
indigestion
indigestibility
indigestibly
indigestible
indigestibleness
indigestibly
indigestion
indigestive
indigitation
indigitamenta
indigitate
indigitation
indigites
indiglucin
indign
indignance
indignancy
indignant
indignantly
indignation
indignatory
indignified
indignify
indignifying
indignities
indignity
indignly
indigo
indigoberry
indigoes
indigoferous
indigogen
indigoid
indigoids
indigoids
indigometer
indigos
indigotate
indigotic
indigotin
indigotindisulphonic
indigotine
indiguria
indihumin
indii
indijbiously
indilatory
indilence
indimensible
indimensional
indiminishable
indimple
indin
indirect
indirected
indirecting
indirection
indirections
indirectly
indirectness
indirects
indirubin
indirubine
indiscernibility
indiscernible
indiscernibleness
indiscernibly
indiscerptible
indiscerptibility
indiscerptible
indiscerptibleness
indiscerptibly
indisciplinable
indiscipline
indisciplined
indiscoverable
indiscoverably
indiscovered
indiscovery
indiscreet
indissolubly
indissolute
indissolvability
indissolvable
indissolvableness
indissolvably
indissuadable
indissuadably
indistance
indistant
indistinct
indistinctible
indistinction
indistinctly
indiscreetness
indistinguishability
indistinguishable
indistinguishableness
indistinguishably
indistinguished
indistinguishing
indistortable
indistributable
indisturbable
indisturbance
indisturbed
inditch
indite
indited
inditement
inditer
inditers
indites
inditing
indium
indiums
indiv
indivertible
indivertibly
individ
individable
individed
individua
individual
individual's
individualisation
individualise
individualised
individualiser
individualising
individualism
individualist
individualistic
individualistically
individualists
individualities
individuality
individualization
individualize
individualized
individualizer
individualizes
individualizing
individualizingly
individually
individuals
individuate
individuated
individuates
individuating
individuation
individuative
individuator
individuity
individuous
individuum
individuums
indivinable
indivinable
indivinable
indivisibility
indivisible
indivisibleness
indivisibly
indivisim
indivision
indn
indochina
indochinese
indocibility
indocible
indocibleness
indocile
indocilely
indorsement
indorser
indorsers
indorses
indorsing
indorsor
indorsors
indow
indowed
indowing
indows
indoxyl
indoxyls
indoxylsulphuric
indraft
indrafts
indrape
indraught
indrawal
indrawing
indrawn
indrench
indri
indris
indubious
indubiously
indubitability
indubitable
indubitableness
indubitably
indubitate
indubitatively
induc
induce
induceable
induced
inducedly
inducement
inducement's
inducements
inducer
inducers
induces
induciae
inducibility
inducible
inducing
inducive
induct
inductance
inductances
inducted
inductee
inductees
inducteous
inductile
inductility
inducting
induction
induction's
inductional
inductionally
inductionless
inductions
inductive
inductively
inductiveness
inductivity
inductometer
inductophone
inductor
inductor's
inductorium
inductors
inductory
inductoscope
inductothermy
inductoril
inducts
indue
indued
induement
indues
induing
induism
indulge
indulgeable
indulged
indulgement
indulgence
indulgence's
indulgenced
indulgences
indulgencies
indulgencing
indulgency
indulgent
indulgential
indulgentially
indulgentness
indulger
indulgers
indulges
indulgiate
indulging
indulgingly
indulin
induline
indulines
indulins
indult
indulto
indults
indument
indumeta
indumentum
indumentums
induna
induplicate
induplication
induplicative
indurable
indurance
indurate
indurated
indurates
indurating
induration
indurations
indurative
indure
indurite
indus
indusia
indusial
indusiate
indusiated
indusiform
indusioid
indusium
industrial
industrialisation
industrialise
industrialised
industrialising
industrialism
industrialist
industrialist's
industrialists
industrialization
industrialize
industrialized
industrializes
industrializing
industrially
industrialness
industrials
industries
industrious
industriously
industriousness
industrochemical
industry
industry's
industries
inductive
induviæ
induviæal
induviastic
indwell
indweller
indwelling
indwellingness
indwells
indwelt
indy
indyl
indylic
inearth
inearthed
inearthing
inearths
inebriacy
inebriant
inebriate
inebriated
inebriates
inebriating
inebriation
inebriative
inebriety
inebrious
ineconomic
ineconomy
inedibility
inedible
inedita
inedited
ineducabilian
ineducability
ineducable
ineducation
ineffability
ineffable
ineffableness
ineffably
ineffaceability
ineffaceable
ineffaceably
ineffectible
ineffectibly
ineffective
ineffectively
ineffectiveness
ineffectual
ineffectuality
ineffectually
ineffectualness
ineffervescence
ineffervescent
ineffervescent
ineffervescibility
ineffervescible
inefficacious
inefficaciously
inefficaciousness
inefficacy
inefficacy
inefficiencie
inefficiencies
inefficiency
inefficient
inefficiently
ineffulgent
inegalitarian
inelaborate
inelaborated
inelaborately
inelastic
inelasticity
inelasticity
inelegance
inelegance
inelegancy
inelegantly
ineligibility
ineligible
ineligibleness
ineligibles
ineligibly
ineliminable
ineloquence
ineloquent
ineloquently
ineluctability
ineluctable
ineluctably
ineludible
ineludibly
inembryonate
inemendable
inemotivity
inemulous
inenarrability
inenarrable
inenarrably
inenergetic
inenubilable
inenucleable
inept
ineptitude
ineptly
ineptness
inequable
inequal
inequalitarian
inequalities
inequality
inequally
inequality
inequalness
inequation
inequaxial
inequicostate
inequidistant
inequigranular
inequilateral
inequilaterally
inequilibrium
inequilobate
inequilobed
inequipotential
inequipotentiality
inequitable
inequitableness
inequitably
inequitate
inequities
inequity
inequivalent
inequivale
inequivaled
inequivalvular
ineradicability
ineradical
ineradicable
ineradicableness
ineradically
inerasable
inerasableness
inerasably
inerasible
inergetic
inerm
inermous
inerrability
inerrible
inerrableness
inerribly
inerrancy
inerrant
inerrantly
inerratic
inerring
inerringly
inerroneous
inert
inerrance
ineria
ineria
inerial
inerially
inerias
inertion
inertly
inertness
inerts
inerubescent
inerudite
ineruditely
inerudition
inescapable
inescapableness
inescapably
inescate
inescation
inesculent
inescutcheon
inesite
inessential
inessentiality
inessive
inessletic
inessimability
inessimable
inessimableness
inessimably
inessivation
inessethical
ineunt
ineuphonious
inevadible
inevadibly
inevaporable
inevasible
inevasibleness
inevasibly
inevidence
inevident
inevitabilities
inevitability
inevitable
inevitableness
inevitably
inexact
inexacting
inexactitude
inexactely
inexactness
inexcellence
inexcitability
inexcitable
inexcitableness
inexcitably
inexclusive
inclusively
inexcommunicable
inexcusability
inexcusable
inexcusableness
inexcusably
inexecrable
inexecutable
inexecution
inexertion
inexhalable
inexhaust
inexhausted
inexhaustedly
inexhaustibility
inexhaustible
inexhaustibleness
inexhaustibly
inexhaustive
inexhaustively
inexhaustless
inexigible
inexist
inexistence
inexistence
inexistent
inexorability
inexorable
inexorable
inexorableness
inexorably
inexpansible
inexpansive
inexpectable
inexpectance
inexpectancy
inexpectant
inexpectation
inexpected
inexpectedly
inexpectedness
inexpedience
inexpediency
inexpedient
inexpeditiously
inexpensive
inextensible
inextensile
inextension
inextensional
inextensive
inexterminable
inextinct
inextinguible
inextinguishability
inextinguishable
inextinguishables
inextinguishably
inextinguished
inextirpable
inextirpableness
inextricability
inextricable
inextricableleness
inextricably
ineye
inf
inface
infair
infall
infallibilism
infallibilist
infallibility
infallible
infallibleness
infallibly
infallid
infalling
infalsificable
infamation
infamatory
infame
infamed
infamia
infamies
infamiliar
infamiliarity
infamize
infamized
infamizing
infamonize
infamous
infamously
infamousness
infatuatedness
infatuates
infatuating
infatuation
infatuations
infatuator
infauna
infaunae
infaunal
infaunas
infaust
infausting
infeasibility
infeasible
infeasibleness
infect
infectant
infected
infectedness
infacter
infecters
infectible
infecting
infection
infection's
infectionist
infections
infectious
infectuously
infectiousness
infective
infectiveness
infectivity
infector
infectors
infectress
infests
infectum
infectuous
infecund
infecundity
infeeble
infeed
infeft
infefting
infeftment
infeijdation
infelicific
infelicities
infelicitous
infelicitously
infelicitousness
infelicity
infelonious
infelt
infernominine
infenible
infeodation
infeof
infeoff
infeoffed
infeoffing
infeoffment
infeoffs
infer
inferable
inferably
inference
inference's
inferences
inferent
inferential
inferentialism
inferentialist
inferentially
inferial
inferible
inferior
inferior's
inferiorism
inferiorities
inferiority
inferiorize
inferiorly
inferiorness
inferiors
inferm
infernal
infernalism
infernality
infernalize
infernally
infernalry
infernalship
inferno
inferno's
influentiality
influentially
influentialness
influents
influenza
influenzal
influenzalike
influenzas
influenzic
influx
influxable
influxes
influxible
influxibly
influxion
influxionism
inflxious
influxive
info
infold
infolded
infolder
infolders
infolding
infoldment
infolds
infoliate
inforgiveable
inform
informable
informal
informalism
informalist
informalities
informality
informalize
informally
informalness
informant
informant's
informants
informatics
information
informational
informative
informatively
informativeness
informatory
infraegnual
infraeglacial
infraeglenoid
infraeglottic
infraegrant
infraegular
infraehuman
infraehyoid
infraehabial
infraehalsarian
infraehalsarianism
infraeharline
infraeharitoral
infraehammary
infraehammillar
infraehandibular
infraehar marginal
infraeharxillary
infraeharmedian
infraeharmercurial
infraeharmercurian
infraehar molecular
infraehar montane
infraeharundane
infraeharnatural
infraeharnaturalism
infraehar franchise
infraehar gibility
infraehar gible
infraehar gibleness
infraehar gibly
infraeharodal
infraehar nuclear
infraehar occipital
infraehar occlusion
infraehar ocular
infraehar oral
infraehar orbital
infraehar ordinary
infraehrapillary
infraehratanellar
infraehraperipherial
infraehrapose
infraehraposed
infraehraposing
infraehraposition
infraehraprotein
infraehrapubian
infraradular
infrared
infrareds
infrarenal
infrarenally
infrarimal
infrascapular
infrascapularis
infrascientific
infrasonic
infrasonics
infraspecific
infraspinal
infraspinate
infraspinatus
infraspinous
infrastapedial
infrasternal
infrastigmatal
infrastipular
infrastructure
infrastructures
infrasutural
infratemporal
infraterrene
infraterritorial
infrathoracic
infratonsillar
infratracheal
infratrochanteric
infratrochlear
infratubal
infraturbinal
infravaginal
infraventral
infree
infrequency
infrequent
infrequentc
infrequently
infrigidate
infrigidation
infrigidative
infringe
infringed
infringement
infringement's
infusile
infusing
infusion
infusionism
infusionist
infusions
infusive
infusoria
infusorial
infusorian
infusories
infusoriform
infusoroid
infusorium
infusory
ing
ingallantry
ingan
ingang
ingangs
ingannation
ingate
ingates
ingather
ingathered
ingatherer
ingathering
ingathers
ingeldable
ingem
ingeminate
ingeminated
ingeminating
ingemination
ingender
ingene
ingenerability
ingenerable
ingenerably
ingenerate
ingenerated
ingenerately
ingenerating
ingeneration
ingenerative
ingeniary
ingeniate
ingenie
ingenier
ingenio
ingeniosity
ingenious
ingeniously
ingeniousness
ingenit
ingenital
ingenite
ingent
ingenu
ingenue
ingenues
ingenuities
ingenuity
ingenious
ingenuously
ingeniousness
ingeny
ingerminate
ingest
ingesta
ingestant
ingested
ingester
ingestible
ingesting
ingestion
ingestive
ingests
inghamite
ingine
ingirt
ingiver
ingiving
ingle
inglenook
ingles
inglesa
ingleside
inglobate
inglobe
inglobed
inglobing
inglorious
ingloriously
ingloriousness
inglu
inglut
inglutition
ingluvial
ingluvies
ingluvititis
inglувious
ingnue
ingoing
ingoingness
ingorge
ingot
ingoted
ingoting
ingotman
ingotmen
ingots
ingracious
ingraft
ingraftation
ingrafted
ingrafter
ingrafting
ingraftment
ingrafts
ingrain
ingrained
ingrainedly
ingrainedness
ingraining
ingrains
ingrammaticism
ingramness
ingrandize
ingrapple
ingrate
ingrateful
ingratefully
ingratefulness
ingrately
ingrates
ingratiate
ingratiated
ingratiates
ingratiating
ingratiatingly
ingratiation
ingratiortry
ingratitude
ingrave
ingravescence
ingravescent
ingravidate
ingravidation
ingreat
ingredience
ingredient
ingredient's
ingredients
ingress
ingresses
ingression
ingressive
ingressiveness
ingreve
ingross
ingrossing
ingroup
ingroups
ingrow
ingrowing
ingrown
ingrownness
ingrowth
ingrowths
ingruent
inguenu
inguilty
inguinal
inguinoabdominal
inguinocrural
inguinocutaneous
inguinodynia
inguinolabial
inguinoscrotal
ingulf
ingulfed
ingulfing
ingulfment
ingulfs
ingurgitate
ingurgitated
ingurgitating
ingurgitation
ingustable
inhabile
inhabit
inhabitability
inhabitable
inhabitance
inhabitancies
inhabitancy
inhabitant
inhabitant's
inhabitants
inhabituate
inhabitation
inhabitative
inhabitativeness
inhabited
inhabitedness
inhabiter
inhabiting
inhabitiveness
inhabitress
inhabits
inhalant
inhalants
inhalation
inhalational
inhalations
inhalator
inhalators
inhale
inhaled
inhalement
inhalent
inhaler
inhalers
inhales
inhaling
inhame
inhance
inharmonic
inharmonical
inharmonious
inharmoniously
inharmoniousness
inharmony
inhaul
inhauler
inhaulers
inhauls
inhaust
inhaustion
inhearse
inheaven
inhelde
inhell
inhere
inherited
inheritence
inheritencies
inheritency
inherent
inherently
inheres
inhering
inherit
inheritabilities
inheritability
inheritable
inheritableness
inheritably
inheritage
inheritance
inheritance's
inheritances
inherited
inheriting
inheritor
inheritor's
inheritors
inheritress
inheritress's
inheritresses
inheritrice
inheritrices
inheritrix
inherits
inherle
inhesion
inhesions
inhesive
inhiate
inhibit
inhibitable
inhibited
inhibiter
inhibiting
inhibition
inhibition's
inhibitionist
inhibitions
inhibitive
inhibitor
inhibitors
inhibitory
inhibits
inhive
inhold
inholder
inholding
inhomogeneities
inhomogeneity
inhomogeneous
inhomogeneously
inhonest
inhoop
inhospitable
inhospitalleness
inhospitably
inhospitality
inhuman
inhumane
inhumanely
inhumaneness
inhumanism
inhumanities
inhumanity
inhumanize
inhumanly
inhumanness
inhumate
inhumation
inhumationist
inhume
inhumed
inhumer
inhumers
inhumes
inhuming
inhumororous
inhumorously
inia
inial
inidoneity
inidoneous
inimaginable
inimicability
inimicable
initializers
initializes
initializing
initialled
initialler
initialling
initially
initialness
initials
initiant
initiary
initiate
initiated
initiates
initiating
initiation
initiations
initiative
initiative's
initiatively
initiatives
initiator
initiator's
initiatorily
initiators
initiatory
initiatress
initiatrices
initiatrices
initiatrices
initiatrices
initiation
initiation's
initiation's
initiations
inject
injectable
injectant
injected
injecting
injection
injection's
injections
injective
injector
injectors
injests
injelly
injoin
inkhorn
inkhornism
inkhornist
inkhornize
inkhornizer
inkhorns
inke
inkier
inkies
inkiest
inkindle
inkiness
inkinesses
inking
inkings
inkish
inkle
inkles
inkless
inklike
inkling
inkling's
inklings
inkmaker
inkmaking
inkman
inknit
inknot
inkos
inkosi
inkpot
inkpots
inkroot
inks
inkshed
inkslinger
inkslinging
inkstain
inkstand
inkstandish
inkstands
inkster
inkstone
inkweed
inkwell
inkwells
inkwood
inkwoods
inlying
inmate
inmate's
inmates
inmeat
inmeats
inmesh
inmeshed
inmeshes
inmeshing
innew
immigrant
innmixture
innmore
innmost
innprovidence
inn
innage
innards
innascibility
innascible
innate
innately
innateness
innatism
innative
innatural
innaturality
innaturally
innavigable
inne
inned
inneity
inner
innerly
innermore
innermost
innermostly
innerness
inners
innersole
innerspring
innervate
innervated
innervates
innervating
innervation
innervational
innovation's
innovational
innovationist
innovations
innovative
innovatively
innovativeness
innovator
innovators
innovatory
innoxious
innoxiously
innoxiousness
inns
innuate
innubilous
innuendo
innuendoed
innuendoes
innuendoing
innuendos
innumerability
innumerable
innumerableness
innumerably
innumerate
innumerous
innutrient
innutrition
innutritious
innutritiousness
innutritive
innyard
inobedience
inobedient
inobediently
inoblast
inobnoxious
inobscurable
inobservable
inobservance
inobservancy
inobservant
inobservantly
inobservantness
inobservation
inobtainable
inobtrusive
inoma
inominous
inomyoma
inomyositis
inomyxoma
inone
inoneuroma
inoperability
inoperable
inoperation
inoperational
inoperative
inoperativeness
inopercular
inoperculate
inopinable
inopinate
inopinately
inopine
inopportune
inopportunely
inopportuneness
inopportunism
inopportunist
inopportunity
inoppressive
inoppugnable
inopulent
inorb
inorderly
inordinacy
inordinance
inordinancy
inordinary
inordinate
inordinately
inordinateness
inordination
inorg
inorganic
inorganical
inorganically
inorganity
inorganizable
inorganization
inorganized
inoriginate
inornate
inornateness
inorthography
inosclerosis
inoscopy
inosulate
inosculated
inosculating
inosculation
inosic
inosilicate
inosin
inosine
inosinic
inosite
inosites
inositol
inositols
inostensible
inostensibly
inotropic
inower
inoxidability
inoxidable
inoxidizable
inoxidize
inoxidized
inoxidizing
inparabola
inpardonable
inparfit
inparfit
inpatient
inpatients
inpayment
inpensioner
inphase
inphases
inpolygon
inpolyhedron
inponderable
inport
inpour
inpoured
inpouring
inpours
inpush
input
input's
input/output
inquisitional
inquisitionist
inquisitions
inquisitive
inquisitively
inquisitiveness
inquisitor
inquisitorial
inquisitorially
inquisitorialness
inquisitorious
inquisitors
inquisitorship
inquisitory
inquisitress
inquisitrix
inquisiturient
inracinate
inradii
inradius
inradiuses
inrail
inreality
inregister
inrigged
inrigger
inrighted
inring
inro
inroad
inroader
inroads
inrol
inroll
inrolling
inrooted
inrub
inrun
inrunning
inruption
inrush
inrushes
inrushing
ins
insabbatist
insack
insafety
insagacity
insalivate
insalivated
insalivating
insalivation
insalubrious
insalubriously
insalubriousness
insalubrities
insalubrity
insalutary
insalvability
insalvable
insame
insanable
insane
insanely
insaneness
insaner
insanest
insaniate
insanie
insanify
insanitariness
insanitary
insanitation
insanities
insanity
insapiency
insapient
insapory
insatiability
insatiable
insatiableness
insatiably
insatiate
insatiated
insatiately
insatiateness
insatiateness
insatiety
insatisfaction
insatisfactorily
insaturable
inscape
inscenate
inscibile
inscience
inscient
inscious
insconce
inscribable
inscribableness
inscribe
inscribed
inscriber
inscribers
inscribes
inscribing
inscript
inscriptible
inscription
inscription's
inscriptional
inscriptioned
inscriptionist
inscriptionless
inscriptions
inscriptive
inscriptively
inscriptured
inscroll
inscrolled
inscrolling
inscrolls
inscrutability
inscrutable
inscrutableness
inscritables
inscrutably
insculp
insculped
insculping
insculps
insculpture
insculptured
inscutcheon
insea
inseam
inseamer
inseams
insearch
insecable
insect
insect's
insecta
insectaria
insectaries
insectarium
insectariums
insectary
insectation
insectean
insected
insecticidal
insecticidally
insecticide
insecticides
insectiferous
insectiform
insectifuge
insectile
insectine
insection
insectival
insectivora
insectivore
insectivorous
insectivory
insectlike
insectmonger
insectologer
insectologist
insectology
insectproof
insects
insecure
insecurely
insecureness
insecurities
insecurity
insecution
insee
inseeing
inseer
inselberg
inselberge
inseminate
inseminated
inseminates
inseminating
insemination
inseminations
inseminator
inseminators
insenescible
insensate
insensately
insensateness
insense
insensed
insensibilities
insensibility
insensibilization
insensibilize
insensibilizer
insensible
insensibleness
insensibly
insensing
insensitive
insensitively
insensitiveness
insensitivities
insensitivy
insensuous
insentience
insentiency
insentient
insop
inseparability
inseparable
inseparableness
inseparables
inseparably
insparate
inseparately
inssequent
insert
insertable
inserted
inserter
inserters
inserting
insertion
insertion's
insertional
insertions
insertive
inserts
inserve
inserviceable
inservient
insection
insessor
insessores
insessorial
inset
insets
insetted
insetter
insetters
insetting
inseverable
inseverably
inshade
inshave
insheath
inshethe
inshathed
inshathing
insheths
inshell
inshining
inship
inshoe
inshoot
inshore
inshrine
inshrined
inshrines
inshrining
inside
insident
insider
insiders
insides
insidiate
insidiation
insidiatior
insidiosity
insidious
insidiously
insidiousness
insight
insight's
insighted
insightful
insightfully
insights
insigne
insignes
insignia
insignias
insignificance
insignificancies
insignificancy
insignificant
insignificantly
insignificative
insignisigne
insignment
insimplicity
insimulate
insincere
insincerely
insincerities
insincerity
insinew
insinking
insinuant
insinuate
insinuated
insinuates
insinuating
insinuatingly
insinuation
insinuations
insinuative
insinuatively
insinuativeness
insinuator
insinuators
insinuatory
insinuendo
insipid
insipidities
insipidity
insipidly
insipidness
insipience
insipient
insipiently
insist
insisted
insistence
insistencies
insistency
insistent
insistently
insister
insisters
insisting
insistingly
insistive
insists
insisture
insistuveree
insite
insitiency
insition
insitious
insnare
insnared
insnarement
inssarer
inssarers
insnares
insnaring
insobriety
insociability
insociable
insociableness
insociably
insocial
insocially
insociate
insofar
insol
insolate
insolated
insolates
insolating
insolation
insole
insolence
insolvency
insolent
insolently
insolentness
insolents
insoles
insolid
insolidity
insolite
insolubilities
insolubility
insolubilization
insolubilize
insolubilized
insolubilizing
insoluble
insolubleness
insolubly
insolvability
insolvable
insolvably
insolence
insolvencies
insolvency
insolvent
insomnia
insomniac
insomniacs
insomnias
insomnious
insomnolence
insomnolency
insomnolent
insomnolently
insomuch
insonorous
insooth
insorb
insorbent
insordid
insouciance
insouciant
insouciantly
insoul
insouled
insouling
insouls
insp
inspace
inspan
inspanned
inspanning
inspans
inspeak
inspeaking
inspect
inspectable
inspectability
inspected
insuetude
insufferable
insufferableness
insufferably
insufficience
insufficiencies
insufficiency
insufficient
insufficiently
insufficientness
insufflate
insufflated
insufflating
insufflation
insufflator
insuitable
insula
insulae
insurance
insulant
insultants
insular
insularism
insularity
insularize
insularized
insularizing
insularly
insulars
insularly
insulate
insulated
insulates
insulating
insulation
insulations
insulator
insulator's
insulators
insulin
insulinase
insulination
insulinize
insulinized
insulinizing
insulins
insulize
insulphured
insurgentism
insurgently
insurgents
insurgescence
insuring
insurmountability
insurmountable
insurmountableness
insurmountably
insurpassable
insurrect
insurrection
insurrection's
insurrectional
insurrectionally
insurrectionaries
insurrectionary
insurrectionise
insurrectionised
insurrectionising
insurrectionism
insurrectionist
insurrectionists
insurrectionize
insurrectionized
insurrectionizing
insurrections
insurrecto
insurrectory
insusceptibilities
insusceptibility
insusceptible
insusceptibly
insusceptive
insuspect
insusurration
inswamp
inswarming
inswathe
inswathed
inswathement
inswathes
inswathing
insweeping
inswell
inswept
inswing
inswinger
int
inta
intablature
intabulate
intact
intactible
intactile
intactly
intactness
intagli
intagliated
intagflation
intaglio
intaglioed
intaglioing
intaglions
intagliotype
intail
intake
intaker
intakes
intamnated
intangibilities
intangibility
intangible
intangible's
intangibleteness
intangibles
intangibly
intangle
intaria
intarissable
intarsa
intarsas
intarsia
intarsias
intarsiate
intarsist
intastable
intaxable
intebred
intebreeding
intebreeding
intecnicality
integer
integer's
integers
integrability
integrable
integral
integral's
integrality
integralization
integralize
integrally
integrals
integrant
integrant
integrate
integrated
integrates
integrating
integration
integrationist
integrations
integrative
integrator
integrifolious
integrigenous
integrishly
integrigallial
integrigalliate
integrigries
integrity
inteind
intel
intellect
intellect's
intellection
intellected
intellectual
intellectible
intellectively
intellectuals
intellectual
intellectualisation
intellectualise
intellectualised
intellectualiser
intellectualising
intellectualism
intellectualist
intellectualistic
intellectualistically
intellectualities
intellectuality
intellectualization
intellectualizations
intellectualize
intellectualized
intellectualizer
intellectualizes
intellectualizing
intellectually
intellectualness
intellectuals
intelligence
intelligenced
intelligencer
intelligences
intelligencing
intelligency
intelligent
intellectualial
intellectualiary
intelligently
intelligentsia
intelligibilities
intelligibility
intelligible
intelligibleness
intelligibly
intelligize
intelsat
intemerate
intemerately
intemerateness
intemeration
intemperable
intemperably
intemperament
intemperance
intemperances
intemperancy
intemperant
intemperate
intemperately
intemperateness
intemperature
intemperies
intempestive
intempestively
intempestivity
intemporal
intemporally
intenability
intenable
intenancy
intend
intendance
intandancies
intendancy
intendant
intendantism
intendantship
intended
intendedly
intendedness
intendeds
intendence
intendencia
intendencies
intendency
intendente
intender
intenders
intendible
intendiment
intending
intendingly
intendit
intendment
intends
intenerate
intenerated
intenerating
inteneration
intenible
intens
intensate
intensation
intensative
intense
intensely
intenseness
intenser
intensest
intensification
intensifications
intensified
intensifier
intensifiers
intensifies
intensify
intensifying
intension
intensional
intensionally
intensities
intensive
intensification
intensifications
intensified
intensifier
intensifiers
intensifies
intensify
intensifying
intension
intensional
intensionally
intensities
intensive
intensification
intensifications
intensified
intensifier
intensifiers
intensifies
intensify
intensifying
intension
intensional
intensionally
intensities
intensive
intensification
intensifications
intensified
intensifier
intensifiers
intensifies
intensify
intensifying
intension
intensional
intensionally
intensities
intensive
intensification
intensifications
intensified
intensified
intensifier
intensifiers
intensifies
intensify
intensifying
intension
intensional
intensionally
intensities
intensive
intensification
intensifications
intensified
intensifier
intensifiers
intensifies
intensify
intensifying
intension
intensional
intensionally
intensities
intensive
intensification
intensifications
intensified
intensifier
intensifiers
intensifies
intensify
intensifying
interangular
interanimate
interanimated
interanimating
interannular
interantagonism
interantennal
interantennary
interapophysal
interapophyseal
interapplication
interarboration
interarch
interarcualis
interarmy
interarrival
interarticular
interartistic
interarytenoid
interassociate
interassociated
interassociation
interassure
interassured
interassuring
interasteroidal
interastral
interatomic
interatrial
interattrition
interaulic
interaural
interauricular
interavailability
interavailable
interaxal
interaxes
interaxial
interaxillary
interaxis
interbalance
interbalanced
interbalancing
interbanded
interbank
interbanking
interbastate
interbbred
interbed
interbedded
interbelligerent
interblend
interblended
interblending
interblent
interblock
interbody
interbonding
interborough
interbourse
interbrachial
interbrain
interbranch
interbranchial
interbreath
interbred
interbreed
interbreeding
interbreeds
interbrigade
interbring
interbronchial
interbrood
intercadence
intercadent
intercalar
intercalare
intercalarily
intercalarium
intercalary
intercalate
intercalated
intercalates
intercalating
intercalation
intercalations
intercalative
intercalatory
intercale
intercalm
intercanal
intercanalicular
intercapillary
intercardinal
intercarotid
intercarnal
intercarpellary
intercarrier
intercartilaginous
intercaste
intercatenated
intercausative
intercavernous
intercede
interceded
intercedent
interceder
intercedes
interceding
intercellular
intercellularly
intercensal
intercentra
intercentral
intercentrum
intercept
interceptable
intercepted
intercepter
intercepting
interception
interceptions
interceptive
interceptor
interceptors
interceptress
intercepts
intercerebral
intercess
intercession
intercessional
intercessionary
intercessionate
intercessionment
intercessions
intercessive
intercessor
intercessorial
intercessors
intercessory
interchaff
interchain
interchange
interchangeability
interchangeable
interchangeableness
interchangeably
interchanged
interchangement
interchanger
interchanges
interchanging
interchangings
interchannel
interchapter
intercharge
intercharged
interchanging
interchase
interchased
interchasing
intercheck
interchoke
interchoked
interchoking
interchondral
interchurch
intercident
interciliary
intercilium
intercipient
intercircle
intercircled
intercircling
intercirculate
intercirculated
intercirculating
intercirculation
intercision
intercitizenship
intercity
intercivic
intercivilization
interclash
interclasp
interclass
interclavicle
interclavicular
interclerical
interclose
intercloud
interclub
interclude
interclusion
intercoastal
intercoccygeal
intercoccygean
intercohesion
intercollege
intercollegian
intercollegiate
intercolline
intercolonial
intercolonially
intercolonization
intercolonize
intercolonized
intercolonizing
intercolumn
intercolumnal
intercolumnar
intercolumnation
intercolumniation
intercom
intercombat
intercombination
intercombine
intercombined
intercombining
intercome
intercommission
intercommissural
intercommon
intercommonable
intercommonage
intercommoned
intercommoner
intercommoning
intercommunal
intercommune
intercommuned
intercommuner
intercommunicability
intercommunicable
intercommunicate
intercommunicated
intercommunicates
intercommunicating
intercommunication
intercommunicational
intercommunications
intercommunicative
intercommunicator
intercommuning
intercommunion
intercommunal
intercommunities
intercommunity
intercompany
intercomparable
intercompare
intercompared
intercomparing
intercomparison
intercomplexity
intercomplimentary
intercoms
interconal
interconciliary
intercondenser
intercondylar
intercondylic
intercondyloid
interconfessional
interconfound
interconnect
interconnected
interconnectedness
interconnecting
interconnection
interconnection's
interconnections
interconnects
interconnexion
interconsonantal
intercontinental
intercontorted
intercontradiction
intercontradictory
interconversion
interconvert
interconvertibility
interconvertible
interconvertibly
intercooler
intercooling
intercoracoid
intercorporate
intercorpuscular
intercorrelate
intercorrelated
intercorrelating
intercorrelation
intercorrelations
intercortical
intercosmic
intercosmically
intercostal
intercostally
intercostobrachial
intercostohumeral
intercotylar
intercounty
intercouple
intercoupled
intercoupling
intercourse
intercoxal
intercranial
intercreate
intercreated
intercreating
intercreedal
intercrescence
intercinal
intercrop
intercropped
intercropping
intercross
intercrossed
intercrossing
intercultural
intercultural
interculture
intercupola
intercur
intercurl
intercurrence
intercurrent
intercurrently
intercursation
intercuspidal
intercut
intercutaneous
intercuts
intercutting
intercystic
interdata
interdeal
interdealer
interdebate
interdebated
interdebating
interdenominational
interdenominationalism
interdental
interdentally
interdentil
interdepartmental
interdepartmentally
interdepend
interdependability
interdependable
interdependence
interdependencies
interdependency
interdependent
interdependently
interderivative
interdespise
interdestructive
interdestructively
interdestructiveness
interdetermination
interdetermine
interdetermined
interdetermining
interdevour
interdict
interdicted
interdicting
interdiction
interdictions
interdictive
interdictor
interdictory
interdicts
interdictum
interdifferentiate
interdifferentiated
interdifferentiating
interdifferentiation
interdiffuse
interdiffused
interdiffusiness
interdiffusing
interdiffusion
interdiffusive
interdiffusiveness
interdigital
interdigitally
interdigitate
interdigitated
interdigitating
interdigitation
interdine
interdiscal
interdisciplinary
interdispensation
interdistinguish
interdistrict
interdivision
interdome
interdorsal
interdrink
interest
interelectrode
interelectrodic
interembrace
interembraced
interembracing
interempire
interemption
interenjoy
interentangle
interentangled
interentanglement
interentangling
interepidemic
interepimeral
interepithelial
interepquinoctial
interess
interesse
interessee
interessor
interest
interested
interestedly
interestedness
interester
interesterification
interesting
interestingly
interestingness
interestless
interests
interestuarine
interexchange
interface
interfaced
interfacer
interfaces
interfacial
interfacing
interfactional
interfaith
interfamily
interfascicular
interfault
interfector
interfederation
interfemoral
interfenestral
interfenestration
interferant
interfere
interfered
interference
interferences
interferent
interferential
interferer
interferers
interferes
interfering
interferingly
interferingness
interferogram
interferometer
interferometers
interferometric
interferometrically
interferometries
interferometry
interferon
interferric
interfertile
interfertility
interfibrillar
interfibrillary
interfibrinous
interfilamentar
interfilamentary
interfilamentous
interfilar
interfile
interfiled
interfiles
interfiling
interfilling
interfiltrate
interfiltrated
interfiltrating
interfiltration
interfinger
interfirm
interflange
interflashing
interflow
interfluence
interfluent
interfluminal
interfluous
interfluve
interfluvial
interflux
interfold
interfoliaceous
interfoliar
interfoliate
interfollicular
interforce
interframe
interfraternal
interfraternally
interfraternity
interfret
interfretted
interfriction
interfriction
interfrontal
interfruitful
interfulgent
interfuse
interfused
interfusing
interfusion
intergalactic
interganglionic
intergatory
intergenerant
intergenerating
intergeneration
intergenerational
intergenerative
intergeneric
intergential
intergesture
intergilt
interglacial
interglandular
interglobular
interglyph
intergonial
intergossip
intergossiped
intergossiping
intergossipped
intergossipping
intergovernmental
intergradation
intergradational
intergrade
intergraded
intergradient
intergrading
intergraft
intergranular
intergrapple
intergrappled
intergrappling
intergrave
intergroup
intergroupal
intergrow
intergrown
intergrowth
intergular
intergyral
interhabitation
interhaemal
interhemal
interhemispheric
interhostile
interhuman
interhyal
interhybridize
interhybridized
interhybridizing
interieur
interim
interimist
interimistic
interimistical
interimistically
interimperial
interims
interincorporation
interindependence
interindicate
interindicated
interindicating
interindividual
interinfluence
interinfluenced
interinfluencing
interinhibition
interinhibitive
interinsert
interinsular
interinsurance
interinsurer
interinvolve
interinvolved
interinvolving
interionic
interior
interior's
interiorism
interiorist
interiority
interiorization
interiorize
interiorized
interiorizes
interiorizing
interiorly
interiorness
interiors
interirrigation
interisland
inter
interjacence
interjacency
interjacent
interjaculate
interjaculateded
interjaculating
interjaculatory
interjangle
interjealousy
interject
interjected
interjecting
interjection
interjectional
interjectionalise
interjectionalised
interjectionalising
interjectionalize
interjectionalized
interjectionalizing
interjectionally
interjectionary
interjectionize
interjections
interjectiveness
interjector
interjectorially
interjectors
interjectory
interjects
interjectural
interjoin
interjoinder
interjoist
interjudgment
interjugal
interjugular
interjunction
interkinesis
interkinetic
interknit
interknitted
interknitting
interknot
interknotted
interknotting
interknow
interknowledge
interlabial
interlaboratory
interlace
interlaced
interlacedly
interlacement
interlacer
interlacery
interlaces
interlacing
interlacustrine
interlaid
interlain
interlake
interlamellar
interlamellation
interlaminar
interlaminate
interlaminated
interlaminating
interlamination
interlanguage
interlap
interlapped
interlapping
interlaps
interlapse
interlard
interlardation
interlarded
interlarding
interlardment
interlards
interlatitudinal
interlaudation
interlay
interlayer
interlayering
interlaying
interlays
interleaf
interleague
interleave
interleaved
interleaver
interleaves
interleaving
interlibel
interlibeled
interlibelling
interlibrary
interlie
interligamentary
interligamentous
interlight
interlimitation
interline
interlineal
interlineally
interlinear
interlinearly
interlineary
interlineate
interlineated
interlineating
interlineation
interlineations
interlined
interlinement
interliner
interlines
interlingua
interlingual
interlinguist
interlinguistic
interlining
interlink
interlinkage
interlinked
interlinking
interlinks
interlisp
interloan
interlobar
interlobate
interlobular
interlocal
interlocally
interlocate
interlocated
interlocating
intermediateness
intermediates
intermediating
intermediation
intermediator
intermediatory
intermedin
intermedious
intermedium
intermedius
intermeet
intermeeting
internell
internelt
internembral
internembranous
internencingal
internenstrual
internenstruum
interment
intermental
intermention
interments
intermercurial
intermesenterial
intermesenteric
intermesh
intermeshed
intermeshes
intermeshing
intermessage
intermessenger
internet
intermetacarpal
intermetallic
intermetameric
intermetatarsal
intermew
intermewed
intermewer
intermezzi
intermezzo
intermezzos
intermiddle
intermigrate
intermigrated
intermigrating
intermigration
internode
internodes
internodia
internodial
internodian
internodium
internodular
interns
internship
internships
internuclear
internuncial
internuncially
internunciary
internunciatory
internunciess
internuncio
internuncios
internuncioship
internuncius
internuptial
internuptials
interobjective
interoceanic
interceptive
interceptor
interocular
interoffice
interolivary
interopercle
interopercular
interoperculum
interoptic
interorbital
interorbitally
interoscillate
interoscillated
interoscillating
interosculant
interosculate
interosculated
interosculating
interosculation
interosseal
interossei
interosseous
interosseus
interownership
interpage
interpalatine
interpale
interpapillary
interparenchymal
interparental
interparenthetic
interparenthetical
interparenthetically
interparietal
interparietale
interparliament
interparliamentary
interparoxysmal
interparty
interpass
interpause
interpave
interpaved
interpaving
interpeal
interpectorl
interpeduncular
interpel
interpellant
interpellate
interpellated
interpellating
interpellation
interpellator
interpelled
interpelling
interpendent
interpenetrable
interpenetrant
interpenetrate
interpenetrated
interpenetrating
interpenetration
interpenetrative
interpenetratively
interpermeate
interpermeated
interpermeating
interpersonal
interpersonally
interpervade
interpervaded
interpervading
interpervasive
interpervasively
interpervasiveness
interpetaloid
interpetalous
interpetiolar
interpetiolar
interphalangeal
interphase
interphone
interphones
interpiece
interpilaster
interpilastering
interplace
interplacental
interplait
interplanetary
interplant
interplanting
interplay
interplaying
interplays
interplea
interplead
interpleaded
interpleader
interpleading
interpleads
interpled
interpledge
interpledged
interpledging
interpleural
interplical
interplicate
interplication
interplight
interpoint
interpol
interpolable
interpolant
interpolar
interpolary
interpolate
interpretations
interpretative
interpretatively
interpreted
interpreter
interpreters
interpretership
interpreting
interpretive
interpretively
interpreterial
interpretership
interprets
interprismatic
interprocess
interproduce
interproduced
interproducing
interprofessional
interprofessionally
interproglottidial
interproportional
interprotoplasmic
interprovincial
interproximal
interproximate
interpterygoid
interpublic
interpulmonary
interpunct
interpunction
interpunctuate
interpunctuation
interpupillary
interquarrel
interquarreled
interquarreling
interquarter
interrace
interracial
interracialism
intraradial
intraradialrally
intrarradiate
intrarradiated
intrarradiating
intrarradiation
intrarradii
interresistibility
interresponsibility
interresponsible
interresponsive
interreticular
interreticulation
interrex
interrhyme
interrhymed
interrhyming
interright
interring
interriven
interroad
interrobang
interrog
interrogability
interrogable
interrogant
interrogate
interrogated
interrogatedness
interrogatee
interrogates
interrogating
interrogatingly
interrogation
interrogational
interrogations
interrogative
interrogatively
interrogator
interrogatories
interrogatorily
interrogators
interrogatory
interrogatrix
interrogee
interroom
interrule
interruled
interruling
interrun
interrunning
interrupt
interruptable
interrupted
interruptedly
interruptedness
interrupter
interrupters
interruptible
interrupting
interruptingly
interruption
interruption's
interruptions
interruptive
interruptively
interruptor
interruptory
interrupts
inters
intersale
intersalute
intersaluted
intersaluting
interscapulium
interscapular
interscapulum
interscendent
interscene
interscholastic
interschool
interscience
interscribe
interscribed
interscribing
interscription
interseaboard
interseam
interseamed
intersecant
intersect
intersectant
intersected
intersecting
intersection
intersection's
intersectional
intersections
intersector
intersects
intersegmental
interseminal
interseminate
interseminated
interseminating
intersentimental
interseptal
interseptum
intersert
intersertal
interservice
intersesamoid
intersession
intersessional
intersessions
interset
intersetting
intersex
intersexual
intersexualism
intersexualities
intersexuality
intersexually
intershade
intershaded
intershading
intershifting
intershock
intershoot
intershooting
intershop
intershot
intersidereal
intersituate
intersituated
intersituating
intersocial
intersocietal
intersociety
intersoil
intersole
intersoled
intersoling
intersolubility
intersoluble
intersomnial
intersomnious
intersonant
intersow
interspace
intersticed
interstices
intersticial
interstimulate
interstimulated
interstimulating
interstimulation
interstinctive
interstitial
interstitially
interstition
interstitialous
interstitium
interstratification
interstratified
interstratify
interstratifying
interstroke
interstream
interstreet
interstrial
interstriation
interstrive
interstriven
interstriving
interstrove
interstructure
intersubjective
intersubjectively
intersubjectivity
intersubsistence
intersubstitution
intersuperciliary
intersusceptation
intersystem
intersystematic
intersystematical
intersystematically
intertalk
intertangle
intertangled
intertanglement
intertangles
intertangling
intertarsal
intertask
interteam
intertear
intertentacular
intertergal
interterminal
interterritorial
intertessellation
intertestimonial
inter tex
inter texture
interthing
interthread
interthreaded
interthreading
interthronging
intertidal
inter tidally
inter tie
inter tied
inter tieing
interties
inter till
inter tillage
inter tinge
inter tinged
inter tinging
inter tissue
inter tissue
inter tissu ed
inter till
inter toll
inter tone
inter tongue
inter tonic
inter touch
inter town
inter trabecular
inter trace
inter traced
inter tracing
inter trade
inter traded
inter trading
inter traffic
inter trafficked
inter trafficking
inter tragian
inter transformability
inter transformable
inter transmissible
inter transmission
inter transp icuous
intertransversal
intertransversalis
intertransversary
intertransverse
intertrappean
intertree
intertribal
intertriginous
intertriglyph
intertrigo
intertrinitarian
intertrochanteric
intertrochlear
intertropic
intertropical
intertropics
intertrude
intertuberal
intertubercular
intertubular
intertwin
intertwine
intertwined
intertwinement
intertwinements
intertwines
intertwining
intertwiningly
intertwist
intertwisted
intertwisting
intertwistingly
interungular
interungulate
interunion
interuniversity
interurban
interureteric
intervaginal
interval
interval's
intervale
intervaled
intervalic
intervaling
intervalled
intervalley
intervallic
intervalling
intervallum
intervalometer
intervals
intervalvular
intervariation
intervaried
intervarietal
intervarsity
intervary
intervarying
intervascular
intervein
interveinal
interveined
interveining
interveinous
intervenant
intervene
intervened
intervener
interveners
intervenes
intervenience
interveniency
intervenient
intervening
intervenium
intervenor
intervent
intervention
intervention's
interventional
interventionism
interventionist
interventionists
interventions
interventive
interventor
interventral
interventralia
interventricular
intervenue
intervenular
interverbal
interversion
intervert
intervertebra
intervertebral
intervertebrally
interverting
intervesicular
interview
interviewable
interviewed
interviewee
interviewees
interviewer
interviewers
interviewing
interviews
intervillous
intervisibility
intervisible
intervisit
intervisitation
intervital
intervocal
intervocalic
intervocalically
intervolute
intervolution
intervolve
intervolved
intervolving
interwar
interwarred
interwarring
interweave
interweaved
interweavement
interweaver
interweaves
interweaving
interweavingly
interwed
interweld
interwhiff
interwhile
interwhistle
interwhistled
interwhistling
interwind
interwinded
interwinding
interwish
interword
interwork
interworked
interworking
interworks
interworld
interworry
interwound
interwove
interwoven
interwovenly
interwrap
interwrapped
interwrapping
interwreathe
interwreathed
interwreathing
interwrought
interwrought
interxylary
interzonal
interzone
interzooccial
interzygapophysial
intestable
intestacies
intestacy
intestate
intestation
intestinal
intestinally
intestine
intestine's
intestineness
intestines
intestiniform
intestinovesical
intexine
intext
intextine
intexture
inthral
inthrall
inthralled
inthralling
inthrallment
inthralls
inthralment
inthrals
inthrone
inthroned
inthrones
inthrong
inthroning
inthronistic
inthronizate
inthronization
inthronize
inthrow
inthrust
intially
intice
intil
intill
intima
intimacies
intimacy
intimado
intimados
intimae
intimal
intimas
intimate
intimated
intimately
intimateness
intimater
intimaters
intimates
intimating
intimation
intimations
intime
intimidate
intimidated
intimidates
intimidating
intimidation
intimidations
intimidator
intimidatory
intimidity
intimism
intimist
intimiste
intimity
intimos
intinct
intinction
intinctivity
intine
intines
intire
intisy
intitle
intitled
intitles
intitling
intitulation
intitle
intituled
intitules
intituling
intl
intnl
into
intood
intolerability
intolerable
intolerableness
intolerably
intolerance
intolerancy
intolerant
intolerantly
intolerantness
intolerated
intolerating
intoleration
intollerably
intomb
intombed
intombing
intombment
intombs
intonable
intonaci
intonaco
intonacos
intonate
intonated
intonates
intonating
intonation
intrabred
intrabronchial
intrabuccal
intracalicular
intracanalicular
intracanonical
intracapsular
intracardiac
intracardial
intracardially
intracarpal
intracarpellary
intracartilaginous
intracellular
intracellularly
intrasephalic
intracerebellar
intracerebral
intracerebrally
intracervical
intrachordal
intracistern
intracity
intraclitelline
intracloacal
intracoastal
intracoelomic
intracolic
intracollegiate
intracommunication
intracompany
intracontinental
intracorporeal
intracorpuscular
intracortical
intracosmic
intracosmical
intracosmically
intracostal
intracranial
intracranially
intractability
intractable
intractableness
intractably
intractile
intracutaneous
intracutaneously
intraligamentous
intraliminal
intraline
intralingual
intralobar
intralobular
intralocular
intralogical
intralumbar
intramachine
intramammary
intramarginal
intramastoid
intramatrical
intramatrically
intramedullary
intramembranous
intrameningeal
intramental
intrametropolitan
intramolecular
intramolecularly
intramontane
intramorainic
intramundane
intramural
intramuraism
intramuraismally
intramuscular
intramuscularly
intramyocardial
intranarial
intranasal
intranatal
intranational
intraneous
intranet
intranetwork
intraneural
intranidal
intranquil
intrinquillity
intrans
intrascalency
intrascalent
intransferable
intransferrable
intransfomable
intransfusible
intransgressible
intransient
intransigeance
intransigeancy
intransigeant
intransigeantly
intransigence
intransigency
intransigent
intransigentism
intransigentist
intransigently
intransigents
intransitable
intransitive
intransitively
intransitiveness
intransitives
intransitivity
intrant
intrants
intranuclear
intraoctave
intraocular
intraoffice
intraoral
intraorbital
intraorganization
intraossal
intrasosseous
intraosteo
intraovarian
intrap
intrapair
intraparenchymatous
intraparietal
intraparochial
intraparty
intrapelvic
intrapericardiac
intrapericardial
intraperineal
intraperiosteal
intraperitoneal
intraperitoneally
intrapersonal
intrapetiolar
intraphilosophic
intrapial
intraplacental
intraplant
intrapleural
intrapolar
intrapontine
intrapopulation
intraprocess
intraprostatic
intraprotoplasmic
intrapsychic
intrapsychical
intrapsychically
intrapulmonary
intrapyretic
intrarachidian
intrarectal
intrarelation
intrarenal
intraretinal
intrarhachidian
intraschool
intrascrotal
intrasegmental
intraselection
intrasellar
intraseminal
intraseptal
intraserous
intrashop
intraspaces
intraspinespecific
intraspinespecifically
intraspinal
intraspinally
intrastate
intrastromal
intrasusception
intrasympathetic
intratarsal
intrate
intratelluric
intraterritorial
intratesticular
intrathecal
intrathoracic
intrathyroid
intratomic
intratonsillar
intratrabecular
intratracheal
intratracheally
intratropical
intratubal
intratubular
intratympanic
intraterine
intravalvular
intravasation
intravascular
intravascularly
intravenous
intravenously
intraventricular
intraverbal
intraversable
intravertebral
intravertebrally
intravesical
intravital
intravitally
intravitam
intravitelline
intravitreous
intraxylary
intrazonal
intreasure
intreat
intreatable
intreated
intreating
intreats
intrench
intrenched
intrencher
intraches
intrenching
intrenchment
intrepid
intrepidity
intrepidly
intrepidness
intricable
intricacies
intricacy
intricate
intricately
intricateness
intrication
intrigant
intrigante
intrigantes
intrigants
intrigaunt
intrigo
intriguant
intriguante
intrigue
intrigued
intrigueproof
intriguer
intriguers
intriguery
intrigues
intriguess
intriguing
intriguingly
intrinsic
intrinse
intrinsical
intrinsicality
intrinsically
intrinsicalness
intrinsicate
intro
introactive
introceptive
introconversion
introconvertibility
introconvertible
introd
intromitter
intromitting
intropression
intropulsive
intropunitive
introreception
intorsal
introse
introserely
intros
introscope
intro sensible
intro sentient
intro spect
intro spectable
intro spected
intro spectible
intro specting
intro spection
intro spectional
intro spectionism
intro spectionist
intro spectionistic
intro spections
intro spective
intro spectively
intro spectiveness
intro spectivism
intro spectivist
intro spector
intro suction
intro suume
intro suscept
intro susception
intro thoracic
introtraction
intro venient
intro verse
intro versibility
intro versible
intro version
intro versions
intro versive
intro versively
intro vert
intro verted
intro vertedness
intro verting
introvertive
tintroverts
ntrovision
ntrovolution
ntrudance
ntrude
ntruaded
ntruader
ntruader's
ntruaders
ntruades
ntruading
ntrudingly
ntrudress
ntrunk
ntrus
ntruise
ntrusion
ntrusion's
ntrusional
ntrusionism
ntrusionist
ntrusions
ntrusive
ntrusively
ntrusiveness
ntruso
ntrust
nttrusted
ntrusting
ntrusts
ntsv
ntubate
ntubated
ntubates
ntubating
ntubation
ntubationist
ntubator
ntubatting
ntube
ntue
ntuent
ntuicicy
ntuuit
ntuitable
ntuited
ntuiiting
<table>
<thead>
<tr>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>intuition</td>
</tr>
<tr>
<td>intuition's</td>
</tr>
<tr>
<td>intuitional</td>
</tr>
<tr>
<td>intuitionalism</td>
</tr>
<tr>
<td>intuitionalist</td>
</tr>
<tr>
<td>intuationally</td>
</tr>
<tr>
<td>intuitionism</td>
</tr>
<tr>
<td>intuitionist</td>
</tr>
<tr>
<td>intuitionistic</td>
</tr>
<tr>
<td>intuitionless</td>
</tr>
<tr>
<td>intuitions</td>
</tr>
<tr>
<td>intuitive</td>
</tr>
<tr>
<td>intuitively</td>
</tr>
<tr>
<td>intuitiveveness</td>
</tr>
<tr>
<td>intuitivism</td>
</tr>
<tr>
<td>intuitivist</td>
</tr>
<tr>
<td>intuito</td>
</tr>
<tr>
<td>intuits</td>
</tr>
<tr>
<td>intumesce</td>
</tr>
<tr>
<td>intumesced</td>
</tr>
<tr>
<td>intumescence</td>
</tr>
<tr>
<td>intumescent</td>
</tr>
<tr>
<td>intumescing</td>
</tr>
<tr>
<td>intumulate</td>
</tr>
<tr>
<td>intune</td>
</tr>
<tr>
<td>inturbidate</td>
</tr>
<tr>
<td>inturgescence</td>
</tr>
<tr>
<td>inturn</td>
</tr>
<tr>
<td>inturned</td>
</tr>
<tr>
<td>inturning</td>
</tr>
<tr>
<td>inturns</td>
</tr>
<tr>
<td>intuse</td>
</tr>
<tr>
<td>intussuscept</td>
</tr>
<tr>
<td>intussusception</td>
</tr>
<tr>
<td>intussusceptive</td>
</tr>
<tr>
<td>intwine</td>
</tr>
<tr>
<td>intwined</td>
</tr>
<tr>
<td>intwinement</td>
</tr>
<tr>
<td>intwines</td>
</tr>
<tr>
<td>intwining</td>
</tr>
<tr>
<td>intwist</td>
</tr>
<tr>
<td>intwisted</td>
</tr>
<tr>
<td>intwisting</td>
</tr>
<tr>
<td>intwists</td>
</tr>
<tr>
<td>inukshuk</td>
</tr>
<tr>
<td>inula</td>
</tr>
<tr>
<td>inulaceous</td>
</tr>
<tr>
<td>inulase</td>
</tr>
</tbody>
</table>
inulases
inulin
inulins
inuloid
inumbrate
inumbration
inunct
inunction
inunctum
inunctuosity
inunctuous
inundable
inundant
inundate
inundated
inundates
inundating
inundation
inundations
inundator
inundatory
inunderstandable
inunderstanding
inurbane
inurbanely
inurbaneness
inurbanity
inure
inured
inuredness
inurement
inurements
inures
inuring
inurn
inurned
inurning
inurnment
inurns
inusitate
inusitateness
inusitation
inust
inustion
inute
inutilely
inutilities
inutility
inutilized
inutterable
inv
invaccinate
invaccination
invadable
invade
invaded
invader
invaders
invades
invading
invaginable
invaginate
invaginated
invaginating
invagination
invalescence
invaletdinary
invalid
invalidate
invalidated
invalidates
invalidating
invalidation
invalidations
invalidator
invalidicy
invalided
invalidhood
invaliding
invalidish
invalidism
invalidities
invalidity
invaliddy
invalidness
invalids
invalidship
invalorous
invaluable
invaluableness
invaluably
invalued
invar
invariability
invariable
invariableness
invariably
invariance
invariancy
invariant
invariantive
invariantively
invariants
invaried
invars
invasion
invasion's
invasionary
invasionist
invasions
invasive
invasiveness
invecked
inveck
invecked
invecked
invection
inective
inectively
inectiveness
inectives
inectivist
inector
inveigh
inveighed
inveigher
inveighing
inveighs
inveigle
inveigled
inveiglement
inveigler
inveiglers
inveigles
inveigling
inveil
invein
invendibility
invendible
invendibleness
inveneme
invenient
invenit
invent
inventable
inventary
invented
inventer
inventers
inventful
inventibility
inventible
inventibleness
inventing
invention
invention's
inventional
inventionless
inventions
inventive
inventively
inventiveness
inventor
inventor's
inventorial
inventorially
inventoried
inventories
inventors
inventory
inventory's
inventorying
inventress
inventresses
invents
inventurous
inveracious
inveracities
inveracity
inverebrate
inverisimilitude
inverities
inverity
inverminate
invermination
invermacular
inverness
invernesses
inversable
inversatile
inverse
inversed
inversedly
inversely
inverses
inversing
inversion
inversionist
inversions
inversive
inversor
invert
invertant
invertase
invertebracy
invertebral
invertebrata
invertebrate
invertebrate's
invertebrated
invertebrateness
invertebrates
inverted
invertedly
invertend
inverter
inverters
invertibility
invertible
invertile
inverting
invertive
invertor
invertors
inverts
invest
investable
invested
investible
investient
investigable
investigatable
investigate
investigated
investigates
investigating
investigatingly
investigation
investigational
invigorates
invigorating
invigoratingly
invigoratingness
invigoration
invigorations
invigorative
invigoratively
invigorator
invigour
invile
invillage
invinate
invination
invincibility
invincible
invincibleness
invincibly
inviolability
inviolable
inviolableness
inviolably
inviolacy
inviolate
inviolated
inviolately
inviolateness
inious
iniousness
invirile
invirility
invirtuate
invuscate
invuscation
invuscerate
inviscid
inviscidity
invised
invisibility
invisible
invisibleness
invisibly
invision
invitable
invital
invitant
invitation
invitation's
inwalling
inwalls
inwandering
inward
inwardly
inwardness
inwards
inweave
inweaved
inweaves
inweaving
inwedged
inweed
inweight
inwheel
inwick
inwind
inwinding
inwinds
inwit
inwith
inwood
inwork
inworks
inworn
inwound
inwove
inwoven
inwrap
inwrapping
inwraps
inwrapt
inwreath
inwreathed
inwreathing
inwrit
inwritten
inwrought
inyala
inypoite
inyoke
io
ioes
iodal
iodate
iodated
iodates
iodating
iodation
iodations
iode
iodhydrate
iodhydric
iodhydrin
iodic
iodid
iodide
iodides
iodids
iodiferous
iodimetric
iodimetry
iodin
iodinate
iodinated
iodinates
iodinating
iodination
iodine
iodines
iodinium
iodinophil
iodinophile
iodinophilic
iodinophilous
iodins
iodisation
iodism
iodisms
iodite
iodization
iodize
iodized
iodizer
iodizers
iodizes
iodizing
iodo
iodobehenate
iodobenzene
iodobromite
iodocasein
iodochlorid
iodochloride
iodochromate
iodocresol
iodocresol
iododermatine
iodoform
iodoforms
iodogallicin
iodohydrate
iodohydrine
iodohydrin
iodol
iodols
iodomercurate
iodomercuriat
iodomethane
iodometric
iodometrical
iodometrically
iodometry
iodonium
iodophate
iodophors
iodoprotein
iodopsin
iodopsins
iodoso
iodosobenzene
iodospongine
iodotannine
iodotherapy
iodothyryin
iodous
iodoxygen
iodoxybenzene
iodyrite
iof
iolate
iolates
ion
ionian
ionic
ionical
ionicities
ionicity
ionics
ionisable
ionisation
ionise
irately
irateness
irater
iratest
irbis
irchin
ire
ire's
ired
ireful
irefully
irefulness
ireland
ireland's
ireless
irenarch
irene
irenic
irenica
irenical
irenically
irenicism
irenicist
irenicon
irenics
irenicum
ireos
ires
irian
iricism
irid
iridaceous
iridadenosis
iridal
iridalgia
iridate
iridauxesis
iridectome
iridectomies
iridectomise
iridectomised
iridectomising
iridectomize
iridectomized
iridectomizing
iridectomy
iridectropium
iridemia
irideneleisis
iridentropium
irideous
irideremia
irides
iridesce
iridescence
iridescences
iridescency
iridescent
iridescently
iridal
iridian
iridiate
iridic
iridical
iridin
iridine
iridiocyte
iridiophore
iridioplatinum
iridious
iridite
iridium
iridiums
iridization
iridize
iridized
iridizing
irido
iridoavulsion
iridocapsulitis
iridocele
iridoceratitic
iridochoroiditis
iridocoloboma
iridoconstrictor
iridocyclitis
iridocyte
iridodesis
iridodiagnosis
iridodialysis
iridodonesis
iridokinesia
iridoline
iridomalacia
iridomotor
iridonus
iridoparalysis
iridophore
iridoplegia
iridoptosis
iridopupillary
iridorhexis
iridosclerotomy
iridosmine
iridosmium
iridotasis
iridotome
iridotomies
iridotomy
iridous
iring
iris
irisate
irisated
irisation
iriscopic
irised
irises
irish
irishism
irishman
irishmen
irishry
irishwoman
irishwomen
irisin
irising
irislike
irisroot
iritic
iritis
iritises
irk
irked
irking
irks
irksome
irksomely
irksomeness
irok
iroke
iron
ironback
ironbarks
ironbound
ironbush
ironclad
ironclads
irone
ironed
ironer
ironers
irones
ironfisted
ironflower
ironhanded
ironhandedly
ironhandedness
ironhard
ironhead
ironheaded
ironheads
ironhearted
ironheartedly
ironheartedness
ironic
ironical
ironically
ironicalness
ironice
ironies
ironing
ironings
ironiously
ironish
ironism
ironist
ironists
ironize
ironless
ironlike
ironly
ironmaker
ironmaking
ironman
ironmaster
ironmen
ironmonger
ironmongeries
ironmongering
ironmongery
ironness
ironnesses
irons
ironshod
ironshot
ironside
ironsided
ironsides
ironsmith
ironstone
ironstones
ironware
ironwares
ironweed
ironweeds
ironwood
ironwoods
ironwork
ironworked
ironworker
ironworkers
ironworking
ironworks
ironwort
irony
iroquoian
iroquoians
iroquois
irous
irpe
irradiance
irradiancy
irradiant
irradiate
irradiated
irradiates
irradiating
irradiatingly
irradiation
irradiations
irradiative
iradiator
irradicable
irradically
irradicate
irradicated
irarefiable
irrate
irreconciliation
irrecordable
irrecoverable
irrecoverableness
irrecoverably
irrecuperable
ircurable
irrecusable
irrecusably
irred
irredeemability
irredeemable
irredeemableness
irredeemably
irredeemed
irredenta
irredential
irredentism
irredentist
irredentists
irredressibility
irredressible
irredessibly
irreducibilities
irreducibility
irreducible
irreducibleness
irreducibly
irreductibility
irreductible
irreduction
irreferable
irreflection
irreflective
irreflectively
irreflectiveness
irreflexive
irreformability
irreformable
irrefragability
irrefragable
irrefragableness
irrefragably
irrefrangibility
irrefrangible
irrefrangibleness
irrefrangibly
irrefusible
irrefutability
irrefutable
irrefutableness
irrefutably
irreg
irregardless
irregeneracy
irregenerate
irregeneration
irregular
irregularism
irregularist
irregularities
irregularity
irregularize
irregularly
irregulararness
irregulars
irregulate
irregulated
irregulation
irregulous
irrejectable
irrelapsable
irrelate
irrelated
irrelation
irrelative
irrelatively
irrelativeness
irrelevance
irrelevances
irrelevancies
irrelevancy
irrelevant
irrelevantly
irreliability
irrelievable
irreligion
irreligionism
irreligionist
irreligionize
irreligiosity
irreligious
irreligiously
irreligiousness
irreluctant
irremeable
irremeably
irremediable
irremediableness
irremediably
irremediless
irrememberable
irremissibility
irremissible
irremissibleness
irremissibly
irremission
irremissive
irremittable
irremovable
irremovableness
irremovably
irremunerable
irrenderable
irrenewable
irrenowned
irrenunciable
irrepair
irrepairable
irrepairability
irrepairable
irreparable
irrepairableness
irrepairably
irrepassable
irrepatriable
irrepealability
irrepealable
irrepealableness
irrepealably
irrepentance
irrepentant
irrepentantly
irrepentant
irreplacable
irreplacably
irreplaceability
irreplaceable
irreplaceableness
irreplaceably
irrepleviable
irreplevisable
irreportable
irreprehensibility
irresonant
irrespectability
irrespectable
irrespectful
irrespective
irrespectively
irrespirable
irresponsibility
irresponsible
irresponsibleness
irrespectfully
irresponsive
irresponsiveness
irrestrainable
irrestrainably
irrestrictive
irresultive
irresuscitable
irresuscitably
irretention
irretentive
irretentiveness
irreticence
irreticent
irretraceable
irretraceably
irretractable
irretractile
irretrievability
irretrievable
irretrievableness
irretrievably
irreturnable
irrevealable
irrevealably
irreverence
irreverences
irreverend
irreverendly
irreverent
irreverential
irreverentialism
irreverentially
irreverently
irreversibility
irreversible
irreversibleness
irreversibly
irrevertible
irreviewable
irrevisable
irrevocability
irrevocable
irrevocableness
irrevocably
irrevoluble
irrational
irride
irridenta
irrigable
irrigably
irrigant
irrigate
irrigated
irrigates
irrigating
irrigation
irrigational
irrigationist
irrigations
irrigative
irrigator
irrigatorial
irrigators
irrigatory
irrigious
irriguousness
irrisible
irrision
irrisor
irrisory
irritabilities
irritability
irritable
irritableness
irritably
irritament
irritancies
irritancy
irritant
irritants
irritate
irritated
irritatedly
irritates
irritating
irritatingly
irritation
irritations
irritative
irritativeness
irritator
irritatory
irrite
irritomotile
irritomotility
irrogate
irrate
irrated
irroration
irrotational
irrotationally
irrubrical
irrugate
irrumation
irrupt
irrupted
irruptible
irrupting
irruption
irruptions
irruptive
irruptively
irrupts
irs
irvingite
is
isacoustic
isadelphous
isabnormal
isaconitine
isagoge
isagogic
ischiadicus
ischial
ischialgia
ischialgic
isciatic
ischidrosis
ischioanal
ischiobulbar
ischiocapsular
ischiocaudal
ischiocavernosus
ischiocavernous
ischiocele
ischiocerite
ischiococygeal
ischiofemoral
ischiofibular
ischioiliac
ischioneuralgia
ischioperineal
ischiopectine
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopectineal
ischiopecti
isethionic
iseult
ish
ishime
ishmael
ishmaelite
ishpingo
ishshakku
isiac
isicle
isidia
isidiiferous
isidioid
isidiophorous
isidiose
isidium
isidoid
isidorian
isindazole
ising
isinglass
isis
isize
isl
islam
islamic
island
islanded
islander
islanders
islandhood
islandic
islanding
islandish
islandless
islandlike
islandman
islandmen
islandologist
islandology
islandress
islandry
islands
islandy
islay
isle
isle's
isled
isoapiole
isoasparagine
isoauore
isobar
isobarbaloin
isobarbituric
isobare
isobares
isobaric
isobarism
isobarometric
isobars
isobase
isobath
isobathic
isobaths
isobathytherm
isobathythermal
isobathythermic
isobenzofuran
isobilateral
isobilianic
isobiogenetic
isoborneol
isobornyl
isobront
isobronton
isobutane
isobutene
isobutyl
isobutylene
isobutyraldehyde
isobutyrate
isobutyric
isobutyryl
isocamphor
isocamphoric
isocaproic
isocarbostyryl
isocarpic
isocarpous
isocellular
isocephalic
isocephalism
isocephalous
isocephaly
isoceraunic
isocercal
isocercy
isochasm
isochasmic
isochaim
isochaimal
isochaimenal
isochaimic
isochaimonal
isochaims
isochela
isochimal
isochime
isochimenal
isochimes
isochlor
isochlorophyll
isochlorophyllin
isocholanic
isocholesterin
isocholesterol
isochor
isochore
isochores
isochoric
isochors
isochromatic
isochron
isochronal
isochronally
isochrone
isochronic
isochronical
isochronism
isochronize
isochronized
isochronizing
isochronon
isochronous
isochronously
isochrons
isochrony
isochroous
isocinchoemeronic
isocinchochine
isocitric
isoclasite
isoclimatic
isoclinal
isoclinally
isoclinal
isoclines
isoclinic
isoclinically
isocodeine
isocola
isocotic
isocolon
isocoria
isocorybulbin
isocorybulbine
isocorydine
isocoumarin
isocracies
isocracy
isocrat
isocratic
isocreosol
isocrotonic
isocrymal
isocryme
isocrymic
isocyanate
isocyanic
isocyanid
isocyanide
isocyanin
isocyanine
isocyano
isocyanogen
isocyanurate
isocyanuric
isocyclic
isocymene
isocytic
isodactylism
isodactylous
isodef
isodiabatic
isodialuric
isodiaphere
isodialzo
isodialzotate
isodimorphic
isodimorphism
isodimorphous
isodomic
isodomon
isodomous
isodomum
isodont
isodontous
isodose
isodrin
isodrome
isodrosotherm
isodulcite
isodurene
isodynamia
isodynamic
isodynamical
isodynamous
isoelastic
isoelectric
isoelectrically
isoelectronic
isoelectronically
isoelemicin
isoemodin
isoenergetic
isoenzymatic
isoenzyme
isoenzymic
isoerucic
isoeugenol
isoflavone
isoflor
isogam
isogamete
isogametic
isogametism
isogamic
isogamies
isogamous
isogamy
isogen
isogeneic
isogenesis
isogenetic
isogenic
isogenies
isogenotype
isogenotypic
isogenuous
isogeny
isogeotherm
isogeothermal
isogeothermic
isogloss
isoglossal
isoglosses
isognathism
isognathous
isogon
isogonal
isogonality
isogonally
isognons
isogone
isogones
isogonic
isogonics
isogonies
isogoniostat
isogonism
isogons
isogony
isogradient
isograft
isogram
isograms
isograph
isographic
isographical
isographically
isographs
isography
isogriv
isogrivs
isogynous
isogyre
isohaline
isohalsine
isohemolysis
isohemopyrrole
isohexyl
isohexyl
isoheme
isohydric
isohydrocyanic
isohydroscopic
isohyet
isohyetal
isohyets
isoiimmune
isoiimmunity
isoiimmunization
isoiimmunize
isoiindazole
isoiindigotin
isoiindole
isoiionone
isoiimmune
isoiimmunity
isoiimmunization
isoimmune
isoimmunity
isoimmunization
isoimmunize
isoindazole
isoindigotin
isoindole
isoionone
iskeraunic
iskeraunographic
iskeraunophonic
iskontan
iskurtic
isolability
isolable
isolapachol
isolatable
isolate
isolated
isolatedly
isolates
isolaating
isolation
isolationalism
isolationalist
isolationalists
isolationalism
isolationalist
isolationalists
isolation
isolation
isolations
isolative
isolator
isolators
isolde
isolead
isoleads
isolecithal
isolette
isoleucine
isolex
isolichenin
isoline
isolines
isolinolenic
isoln
isolog
isologous
isologs
isologue
isologues
isology
isolysin
isolysis
isomagnetic
isomaltose
isomastigate
isomelamine
isomenthone
isomer
isomerase
isomere
isomeric
isomeralical
isomerically
isomeride
isomerism
isomerization
isomerize
isomerized
isomerizing
isomeromorphism
isomerous
isomers
isomery
isometric
isometrical
isometrically
isometrics
isometries
isometrograph
isometropia
isometry
isomorph
isomorphic
isomorphically
isomorphism
isomorphism's
isomorphisms
isomorphous
isomorphs
isomyarian
isoneph
isonephelic
isoneergic
isoniazid
isonicotinic
isonitramine
isonitril
isonitrile
isonitro
isonitroso
isonomic
isonomies
isonomous
isonomy
isonuclear
isonym
isonymic
isonymy
isoctane
isooleic
isoosmosis
isopach
isopachous
isopag
isoparaffin
isopathy
isoplectic
isopedin
isopedine
isopelletierin
isopelletierine
isopentane
isopentyl
isoperimeter
isoperimetric
isoperimetrical
isoperimetry
isopetalous
isophanal
isophane
isophasal
isophene
isophenomenal
isophone
isophoria
isophorone
isophotal
isophote
isophotes
isophthalic
isophthalyl
isophyllous
isophyllly
isopicramic
isopiestic
isopiestically
isopilocarpine
isopleere
isopleth
isoplethic
isopleths
isopleural
isopleuran
isopleure
isopleurous
isopod
isopodan
isopodans
isopodiform
isopodimorphous
isopodous
isopods
isopogonous
isopolite
isopolitical
isopolity
isopoly
isopor
isoporic
isoprenaline
isoprene
isoprenes
isoprenoid
isopropanol
isoprophenyl
isopropyl
isopropylacetic
isopropylamine
isopropylideneacetone
isoproterenol
isosephic
isosephism
isopterous
isoptic
isopulegone
isopurpurin
isopycnal
isopycnic
isopyre
isopyromucic
isopyrrole
isouercitrin
isouquinine
isouquinoline
isorcinol
isorhamnose
isorhodeose
isorhythm
isorhythmic
isorhythmically
isorithm
isorosindone
isorrhymthic
isorropic
isort
isosaccharic
isosaccharin
isoscele
isosceles
isoscope
isoseismal
isoseismic
isoseismical
isoseist
isoserine
isosmotic
isosmotically
isospin
isospins
isospondylous
isospore
isosporic
isospories
isosporous
isospory
isostacy
isostasies
isostasist
isostasy
isostatic
isostatical
isostatically
isostemonous
isostemony
isoster
isostere
isosteric
isosterism
isostructural
isostrychnine
isosuccinic
isosulphide
isosulphocyanate
isosulphocyanic
isosultam
isotac
isotach
isotachs
isotactic
isoteles
isotely
isoteniscope
isotere
isoteric
isotheral
isothere
isotheres
isotherm
isothermal
isothermally
isothermic
isothermical
isothermobath
isothermobathic
isothermobaths
isothermous
isotherms
isotherombrose
isothiocyanates
isothiocyanic
isothiocynano
isothujone
isotimal
isotimic
isotome
isotomous
isotone
isotones
isotonia
isotonic
isotonically
isotonicity
isotony
isotope
isotope's
isotopes
isotopic
isotopically
isotopies
isotopism
isotopy
isotrehalose
isotrimorphic
isotrimorphism
isotrimorphous
isotron
isotronic
isotrope
isotropic
isotropies
isotropil
isotropism
isotropous
isotropy
isotype
isotypes
isotypic
isotypical
isovalerate
isovalerianate
isovalerianic
isovaleric
isovalerone
isovaline
isovanillic
isovoluminal
isoxanthine
isoxazine
isoxazole
isoxime
isoxylene
isoyohimbine
isozoooid
isozyme
isozymes
isozymic
ispaghul
ispraynik
ispraynik
ixodian
ixodic
ixodid
ixodids
ixtle
ixtles
iyar
iyo
izafat
izar
izar
izar
izars
izba
izing
izle
izote
itzle
izvozchik
izzard
izzards
izzat
j
j'adoube
j'ouvert
j's
ja
jaap
jab
jab's
jabalina
jabbed
jabber
jabbered
jabberer
jabberers
jabbering
jabberingly
jabberment
jabbernowl
jabbers
jabberwockian
jabberwocky
jabbing
jabbingly
jabble
jabbers
jabia
jabiru
jabirus
jaborandi
jaborandis
jaborin
jaborine
jabot
jaboticaba
jabots
jabs
jabul
jabules
jaburan
jacal
jacaules
jacals
jacamar
jacamars
jacameropine
jacami
jacamin
jacana
jacanas
jacaranda
jacarandas
jacarandi
jacare
jacate
jacatoo
jacchus
jaccoenet
jaconot
jacens
jacent
jacht
jacinth
jacinthe
jacinthes
jacinthes
jacitara
jack
jackal
jackals
jackanapes
jackanapeses
jackanapish
jackaroo
jackarooed
jackarooing
jackaroos
jackash
jackass
jackassery
jackasses
jackassification
jackassism
jackassness
jackbird
jackboot
jackbooted
jackboots
jackbox
jackboy
jackdaw
jackdaws
jacked
jackeen
jacker
jackeroo
jackerooed
jackerooing
jackeroos
jackers
jacket
jacketed
jacketing
jacketless
jacketlike
jackets
jacketwise
jackety
jackey
jackfish
jackfishes
jackfruit
jackhammer
jackhammers
jackhead
jackie
jackies
jacking
jackknife
jackknifed
jackknifes
jackknifing
jackknives
jackleg
jacklegs
jacklight
jacklighter
jackman
jackmen
jacknifed
jacknifying
jacknives
jacko
jackpile
jackpiling
jackplane
jackpot
jackpots
jackpudding
jackpuddinghood
jackrabbit
jackrod
jackroll
jackrolled
jackrolling
jackrolls
jacks
jacksaw
jackscrew
jackscrews
jackshaft
jackshay
jackshea
jacks slave
jacks melt
jacks melts
jacks smith
jacks pine
jacks nipes
jackson
jacksonian
jacksonville
jackstay
jackstays
jackstock
jackstone
jackstones
jack straw
jack straws
jacktan
jacktar
jackweed
jaculation
jaculative
jaculator
jaculatorial
jaculatory
jaculiferous
jacutinga
jad
jadded
jadder
jadding
jade
jaded
jadedly
jadedness
jadeite
jadeites
jadelike
jadery
jades
jadesheen
jadeship
jadestone
jading
jadish
jadishly
jadishness
jaditic
jady
jaegars
jaeger
jaegers
jag
jaga
jagamohan
jagannath
jagat
jageer
jager
jagers
jagg
jaggar
jaggaries
jaggary
jagged
jaggeded
jaggededest
jaggededly
jaggedness
jagger
jaggeries
jaggers
jaggery
jaggheries
jagghery
jaggier
jaggiest
jagging
jags
jaggy
jagheer
jagheerdar
jaghir
jaghirdar
jaghire
jaghiredar
jagir
jagirdar
jagla
jagless
jagong
jagra
jagras
jagrata
jags
jagua
jaguar
jaguarete
jaguarondi
jaguars
jaguarundi
jaguarundis
jaguey
jah
jahannan
jahveh
jahvism
jai
jail
jailage
jailbait
jailbird
jailbirds
jailbreak
jailbreaker
jailbreaks
janitor
janitor's
janitorial
janitors
janitorship
janitress
janitresses
janitrix
janizaries
janizary
jank
janker
jankers
jann
janner
jannock
jansenism
jansenist
jant
jantee
jantu
janty
janua
januaries
january
january's
janus
jaob
jap
japaconin
japaconine
japaconitin
japaconitine
japan
japanese
japanesery
japanization
japanize
japanized
japanizes
japanizing
japanned
japanner
japanners
japannery
japanning
japans
jape
japed
caper
caperies
capers
capery
capes
capheh
caphetic
caping
capingly
capish
capishly
capishness
caponaiserie
caponic
caponica
caponicas
japygid
japygoid
jaquette
jaquima
jar
jar's
jara
jarabe
jaragua
jarana
jararaca
jararacussu
jarbird
jarble
jarbot
jarde
jardin
jardini
jardiniere
jardiniere
jardon
jareed
jarfly
jarful
jarfuls
jarg
jargle
jargogle
jargon
jargonal
jargoned
jarrah
jarrahs
jarred
jarret
jarring
jarringly
jarringness
jarry
jars
jarsful
jarvey
jarveys
jarvie
jarvies
jarvy
jasey
jaseyed
jaseys
jasies
jasmin
jasmine
jasmined
jasminelike
jasmines
jasminewood
jasmins
jasmone
jason
jasp
jaspachate
jaspagate
jaspe
jasper
jasperated
jaspered
jasperite
jasperize
jasperized
jasperizing
jasperoid
jaspers
jasperware
jaspery
jaspidean
jaspideous
jaspilite
jaspilyte
jaspis
jaunting
jauntingly
jaunts
jaunty
jaup
jauped
jauping
jaups
java
javali
javan
javanese
javanine
javas
javel
javelin
javelin's
javelina
javelinas
javeline
javelined
javelineer
javelining
javelins
javelot
javer
jaw
jaw's
jawab
jawan
jawans
jawbation
jawbone
jawboned
jawbones
jawboning
jawbreak
jawbreaker
jawbreakers
jawbreaking
jawbreakingly
jawcrusher
jawed
jawfall
jawfallen
jawfeet
jawfish
jawfishes
jazziest
jazzyly
jazziness
jazzing
jazzist
jazzlike
jazzman
jazzmen
jazzy
jel
jct
jctn
jealous
jealous
jealousies
jealously
jealousness
jealousy
jeames
jean
jean's
jeanne
jeannette
jeans
jear
jebat
jebel
jebels
jebusite
jecoral
jecorin
jecorize
jed
jedburgh
jedcock
jedding
jeddock
jee
jeed
jeeing
jeel
jeep
jeep's
jeepers
jeepney
jeepneys
jeeps
jeer
jesting
jestingly
jestings
jestingstock
jestmonger
jestproof
jests
jestwise
jestword
jesuist
jesuit
jesuited
jesuitess
jesuistic
jesuitical
jesuitically
jesuitism
jesuitize
jesuitries
jesuitry
jesuits
jesus
jet
jet's
jetavator
jetbead
jetbeads
jete
jetes
jetliner
jetliners
jeton
jetons
jetport
jetports
jets
jetsam
jetsams
jetsom
jetsoms
jetstream
jettage
jettatore
jettatura
jetteau
jetteau
jetted
jetter
jettied
jetties
jettiness
jetting
jettingly
jettison
jettisonable
jettisoned
jettisoning
jettisons
jetton
jettons
jettru
jetty
jettyhead
jettying
jettywise
jetware
jey
jeunesse
jeux
jew
jewbird
jewbush
jewed
jewel
jeweled
jeweler
jewelers
jewelfish
jewelfishes
jewelhouse
jeweling
jewelled
jeweller
jewellers
jewellery
jewelless
jewellike
jewelling
jewelly
jewelries
jewelry
jewels
jewelsmith
jewelweed
jewelweeds
jewely
jewess
jinking
jinkle
jinks
jinn
jinnee
jinnestan
jinni
jinnies
jinniwink
jinniyeh
jins
jinny
jinnywink
jinricksha
jinrickshaw
jinriki
jinrikiman
jinrikimen
jinrikisha
jinrikishas
jinriksha
jins
jinsha
jinshang
jinsing
jinx
jinxed
jinxes
jinxing
jipijapa
jipijapas
jipper
jiqui
jirble
jirga
jirgah
jirkinet
jism
jisms
jisson
jiti
jitneur
jitneuse
jitney
jitneyed
jitneying
jitneyman
jitneys
jobbernowl
jobbernowlism
jobbers
jobbery
jobbet
jobbing
jobbish
jobble
jobe
jobholder
jobholders
jobless
joblessness
joblots
jobman
jobmaster
jobmen
jobmistress
jobmonger
jobname
jobnames
jobo
jobs
jobsite
jobsmith
jobson
jocant
jocasta
jocatory
joch
jock
jocker
jockette
jockettes
jockey
jockeydom
jockeyed
jockeying
jockeyish
jockeyism
jockeylike
jockeys
jockeyship
jocko
jockos
jocks
jockstrap
jockstraps
joyproof
joyridden
joyride
joyrider
joyrides
joyriding
joyrode
joys
joysome
joystick
joysticks
joyweed
jr
js
jt
juamave
juan
juans
juba
jubarb
jubardy
jubartas
jubarteres
jubas
jubate
jubbah
jubbahs
jubbe
jube
juberous
jubes
jubhah
jubahs
jubilance
jubilancy
jubilant
jubilantly
jubilar
jubilarian
jubilate
jubilated
jubilates
jubilating
jubilatio
jubilation
jubilations
jubilatory
jukes
juking
julaceous
julep
juleps
 julian
 julid
 julidan
 julienite
 julienne
 juliennes
 julies
 juliet
 juliett
 julio
 juliott
 julius
 juloid
 juloidian
 julele
 julolidin
 julolidine
 julolin
 juloline
 july
 july's
 julyflower
 jumada
 jumart
 jumba
 jumbal
 jumbals
 jumbie
 jumble
 jumbled
 jumblement
 jumbler
 jumblers
 jumbles
 jumbling
 jumblingly
 jumbly
 jumbo
 jumboesque
 jumboism
 jumbos
 jumbuck
 jumbucks
jurants
jurara
jurare
jurassic
jurat
jurata
juration
jurative
jurator
juratorial
juratory
jurats
jure
jurel
jurel's
juridic
juridical
juridically
juridical
juridical
juridicus
juries
juring
juris
jurisconsult
jurisdiction
jurisdiction's
jurisdictional
jurisdictional
jurisdictionalism
jurisdictionally
jurisdictions
jurisdictive
jurisp
jurisprude
jurisprudence
jurisprudent
jurisprudential
jurisprudentialist
jurisprudentially
jurist
juristic
juristical
juristically
jurists
juror
juror's
jurors
jurupaite
jury
jury's
juryless
juryman
jurymen
juryrigged
jurywoman
jurywomen
jus
juslik
jushted
jusquaboutisme
jusquaboutist
jussal
jussel
jussell
jussion
jussive
jussives
jussory
just
justaucorps
justed
justen
juster
justers
justest
justice
justice's
justiced
justicehood
justiceless
justicelike
justicer
justices
justiceship
justiceweed
justicia
justiciability
justicable
justicial
justiciar
justiciaries
justiciarship
justiciary
justiciaryship
justiciarius
justiciarius
justicies
juttingly
jutty
juttitying
juv
juvenal
juvenals
juvenate
juvenescence
juvenescent
juvenile
juvenile’s
juvenilely
juvenileness
juveniles
juvenilia
juvenilify
juvenilism
juvenilities
juvenility
juvenilize
juvenocracy
juvenolatry
juvent
juvenitude
juvia
juvite
juwise
juxta
juxtallittoral
juxtamarine
juxtapose
juxtaposed
juxtaposes
juxtaposing
juxtaposit
juxtaposition
juxtapositional
juxtapositions
juxtapositive
juxtapyloric
juxtaspinal
juxtaterrestrial
juxtaterrestrial
jymold
jynge
jynx
k
k’s
ka
kaaba
kaama
kaas
kaataplectic
kab
kabab
kababs
kabaka
kabakas
kabala
kabalas
kabar
kabaragoya
kabars
kabassou
kabaya
kabayas
kabbala
kabbalah
kabbalahs
kabbalas
kabel
kabeljou
kabeljous
kaberu
kabiet
kabiki
kabikis
kabob
kabobs
kabs
kabuki
kabukis
kabuzuchi
kabyle
kacha
kachcha
kachin
kachina
kachinas
kadaya
kadder
kaddish
kaddishes
kaddishim
kadein
kadi
kadikane
kadine
kadis
kadisch
kadish
kadishim
kados
kadsura
kae
kaempferol
kaes
kaf
kaferita
kaffeklatsch
kaffir
kaffirs
kaffiyeh
kaffiyehs
kafila
kafir
kafiri
kafirin
kafirs
kafiz
kafka
kafta
kaftan
kaftans
kago
kagos
kagu
kagura
kagus
kaha
kahala
kahar
kahau
kahawai
kahikatea
kahili
kahu
kahuna
kahunas
kai
kaiak
kaiaks
kaid
kaif
kakar
kakarali
kakaralli
kakariki
kakas
kakawahie
kakemono
kakemonos
kaki
kakidrosis
kakis
kakistocracies
kakistocracy
kakistocratical
kakkak
kakke
kakogenic
kakorraphiaphobia
kakortokite
kakotopia
kal
kala
kalaazar
kalach
kaladana
kalam
kalamalo
kalamansanai
kalamkari
kalams
kalan
kalanchoe
kalasie
kalathoi
kalathos
kale
kaleege
kaleidescope
kaleidophon
kaleidophone
kaleidoscope
kaleidoscopes
kaleidoscopic
kaleidoscopical
kaleidoscopically
kalema
kalend
kalendar
kalpas
kalpis
kalsomine
kalsomined
kalsominer
kalsomining
kaltemail
kalumpang
kalumpit
kalunti
kalymmaukion
kalymmocyte
kalyptra
kalyprases
kalysis
kam
kama
kamaaina
kamaainas
kamachi
kamachile
kamacite
kamacites
kamahi
kamala
kamalas
kamaloka
kamanichile
kamansi
kamao
kamarezite
kamarupa
kamarupic
kamas
kamass
kamassi
kamavachara
kambal
kamboh
kambou
kame
kameel
kameeldoorn
kameelthorn
kamelaukia
kamelaukion
kamelaukions
kamelkia
kamerad
kames
kami
kamian
kamias
kamichi
kamik
kamika
kamikaze
kamikazes
kamiks
kamis
kamleika
kammalan
kammererite
kammeu
kammina
kamperite
kampong
kampons
kampseen
kamptomorph
kamptulicon
kampuchea
kampylite
kamseen
kamseens
kamsin
kamsins
kan
kana
kanae
kanaff
kanagi
kanaima
kanaka
kanamono
kanamycin
kanap
kanara
kanarese
kanari
kanas
kanat
kanchil
kand
kande
kandjar
karyoplasm
karyoplasma
karyoplasmatic
karyoplasmic
karyopyknosis
karyorrhesis
karyoschisis
karyosoma
karyosome
karyosystematics
karyotin
karyotins
karyotype
karyotypic
karyotypical
kas
kasa
kasbah
kasbeke
kascamioi
kaser
kasha
kashas
kasher
kashered
kashering
kashers
kashga
kashi
kashim
kashima
kashira
kashmir
kashmiri
kashmirs
kashrut
kashruth
kashruths
kashruts
kashubian
kasida
kasm
kasolite
kassabah
kassu
kastura
kat
katabases
katabasis
katabatic
katabella
katabolic
katabolically
katabolism
katabolite
katabolize
katabothra
katabothron
katachromasis
katacrotic
katacrotonism
katagelophobia
katagenesis
katagenetic
katakana
kakamana
katakinesis
katakinesis
katakine
katakinetomer
katakinetomeric
katakiribori
katalase
katalyses
katalysis
katalyst
katalytic
katalyze
katalyzed
katalyzer
katalyzing
katamorphic
katamorphism
katana
kataphoresis
kataphoretic
kataphoric
kataphrenia
kataplasia
kataplectic
kataplexy
katar
katastate
katastatic
katat
katathermometer
katatonia
katatonic
katatype
katchina
katchung
katicina
kath
katha
kathak
kathal
katharevusa
katharine
katharometer
katharses
katharsis
kathartic
kathemoglobin
kathenotheism
katherine
kathisma
kathismata
kathodal
kathode
kathodes
kathodic
katholikoi
katholikos
katholikoses
kathy
kation
kations
katipo
katjepiering
katmon
katogle
katrina
kats
katsunkel
katsup
katuka
katun
katurai
katydid
katydidks
katzenjammer
kauch
kauri
kauries
kauris
kaury
kava
kavaic
kavas
kavass
kavasses
kaver
kavika
kaw
kawaka
kawakawa
kawika
kay
kayak
kayaker
kayakers
kayaks
kayan
kayles
kayo
kayoed
kayoes
kayoing
kayos
kays
kayward
kazachki
kazachok
kazatske
kazatski
kazatskies
kazatsky
kazi
kazoo
kazoos
kb
kbar
kbps
kc
kc/s
kcal
kea
keach
keacorn
keap
kearn
keas
keat
keefs
keek
keeked
keeker
keekers
keeking
keeks
keel
keelage
keelages
keelback
keelhill
keelbird
keelblock
keelboat
keelboatman
keelboatmen
keelboats
keeldrag
keeled
keeler
keelfat
keelhale
keelhaled
keelhales
keelhauling
keelhaul
keelhauled
keelhauling
keelhauls
keelie
keeling
keelivine
keelless
keelman
keelrake
keels
keelson
keelsons
keelvat
keen
keena
keened
keener
keeners
keenest
keening
keenly
keenness
keennesses
keens
keep
keepable
keeper
keeperess
keepering
keeperless
keepers
keepership
keeping
keepings
keepnet
keeps
keepsake
keepsakes
keepsaky
keepworthy
keerie
keerogue
keeshond
keeshonden
keeshonds
keeslip
keest
keeester
keeesters
keet
keets
keeve
keeves
kef
keffel
keffiyeh
kefiatoid
kefirfel
kefir
kefirc
kefirs
kefs
kég
kegeler
kegelers
kegifull
keggmiengg
kegler
keglers
kendir
kendna
kendo
kendoist
kendos
kendy
kendyr
kenema
kenlore
kenmark
kenmpy
kennebecker
kennebunker
kenned
kennedy
kennel
kennel's
kenneled
kenneling
kennell
kennelled
kennelling
kennelly
kennelman
kennels
kenner
kennet
kenning
kennings
kenningwort
kenno
kenny
keno
kenogenesis
kenogenetic
kenogenetically
kenogeny
kenophobia
kenos
kenosis
kenosises
kenotic
kenoticism
kenoticist
kenotism
kenotist
kenotoxin
kenotron
keratalgia
keratectacia
keratectasia
keratectomies
keratectomy
keratin
keratinization
keratinize
keratinized
keratinizing
keratinoid
keratinophilic
keratinose
keratinous
keratins
keratitis
keratoangioma
keratocele
keratocentesis
keratocni
keratoconi
keratoconjunctivitis
keratoconus
keratocricoid
keratode
keratoderma
keratodermia
keratogenic
keratogenous
keratoglobus
keratoglossus
keratohelcosis
keratohyal
keratoid
keratoiritis
keratol
keratoleukoma
keratolysis
keratolytic
keratoma
keratomalacia
keratomas
keratomata
keratome
keratometer
keratometric
keratometry
keratomycosis
kerolite
keros
kerosene
kerosenes
kerosine
kerosines
kerplunk
kerria
kerras
kerrie
kerries
kerrikerrri
kerril
kerrite
kerry
kerr
kersanne
kersantine
kersey
kerseymere
kerseynette
kerseys
kerslam
kerslosh
kersmash
kerugma
kerugmata
keruing
kerve
kerwham
kerygma
kerygmata
kerygmatic
kerykeion
kerystic
kerystics
kesar
keslep
kesse
kesslerman
kestrel
kestrelkestrels
kestrels
ket
keta
ketal
ketapang
ketatin
ketoside
ketosis
ketosteroid
ketosuccinic
ketotic
ketoxime
kette
kettle
kettle's
kettlecase
kettledrum
kettledrummer
kettledrums
kettleful
kettlemaker
kettlemaking
kettler
kettles
kettrin
ketty
ketuba
ketubah
ketubahs
ketuboth
ketupa
ketway
ketyl
keup
keuper
keurboom
kevalin
kevazingo
kevel
kevelhead
kevels
kever
kevil
kevils
kevutzah
kevutzoth
keweenawite
kewpie
kex
kexes
kexy
key
keyage
khan
khanate
khanates
khanda
khandait
kharga
khanjar
khanjee
khankah
khans
khansama
khansamah
khansaman
khanum
khar
kharaj
kharif
kharouba
kharroubah
khartoum
kharua
kharwa
khass
khat
khatib
khatin
khatri
khats
khayal
khazen
khazenim
khazens
kheda
khedah
khedahs
kedas
kediva
kedival
kedivate
kedive
kedives
kediviah
kedivial
kediviate
khella
khellin
khepeshe
khesari
khet
khi
khidmatgar
khidmutgar
khilat
khir
khirkah
khirkahs
khis
khitmatgar
khitmutgar
khmer
khodja
khoja
khojah
khoka
khot
khowar
khrushchev
khu
khubber
khud
khula
khulda
kuuskhus
khutba
khutbah
khutuktu
khvat
ki
kiaboota
kiack
kiaki
kialee
kialkee
kiang
kiangs
kiaugh
kiaughs
kibbeh
kibber
kibble
kibbled
kibbler
kibblerman
kibbles
kibbling
kibbutz
kibbutzim
kibbutznik
kibe
kibei
kibes
kibitka
kibitz
kibitzed
kibitzer
kibitzers
kibitzes
kibitzing
kibla
kiblah
kiblahs
kiblas
kibosh
kiboshed
kiboshes
kiboshing
kibsey
kiby
kichel
kick
kickable
kickback
kickbacks
kickball
kickboard
kickdown
kicked
kickee
kicker
kickers
kickier
kickiest
kicking
kickish
kickless
kickoff
kickoffs
kickout
kickplate
kicks
kickseys
kickshaw
kickshaws
kicksies
kicksorter
kickstand
kickstands
kicktail
kickup
kickups
kickwheel
kickxia
kicky
kid
kid's
kidang
kidcote
kiddled
kidder
kidderminster
kidders
kiddie
kiddier
kiddies
kidding
kiddingly
kiddish
kiddishness
kiddle
kiddo
kiddoes
kiddos
kiddush
kiddushes
kiddushin
kiddy
kidhood
kidlet
kidlike
kidling
kidnap
kidnaped
kidnapee
kidnaper
kidnapers
kidnaping
kidnapped
kidnappee
kidnapper
kidnapper's
kidnappers
kidnapping
kidnapping's
kidnappings
kidnaps
kidney
kidney's
kidneylike
kidneylipped
kidneyroot
kidneys
kidneywort
kids
kidskin
kidskins
kidsman
kidvid
kie
kief
kiefekil
kiefs
kiekie
kiel
kielbasa
kielbasas
kielbasi
kielbasy
kier
kiers
kieselguhr
kieselgur
kiesserite
kieseluhr
kieselguhr
kiesserite
kiester
kiesters
kiestless
kiev
kieye
kif
kifs
kikar
kikawaeo
kike
kikes
kiki
kikoi
kineses
kinesiatric
kinesiatrics
kinesic
kinesically
kinesics
kinesimeter
kinesiologic
kinesiological
kinesiologies
kinesiology
knesiometer
kinesipathy
kinesis
kinesitherapy
kinesodic
kinestheses
kinesthesia
kinesthesias
kinesthesias
kinesthesia
kinesthetic
kinesthetically
kinetic
kinetical
kinetically
kineticism
kineticist
kinetics
kinetin
kinetins
kinetochore
kinetogenesis
kinetogenetic
kinetogenetically
kinetogenic
kinetogram
kinetograph
kinetographer
kinetographic
kinetography
kinetomer
kinetomeric
kinetonema
kinetonucleus
kinetophobia
kinetophone
kinetophonograph
kinetoplast
kinetoplastic
kinetoscope
kinetoscopic
kinetosis
kinetosome
kinfolk
kinfolks
king
kingbird
kingbirds
kingbolt
kingbolts
kingcob
kingcraft
kingcup
kingcups
kingdom
kingdom's
kingdomed
kingdomful
kingdomless
kingdoms
kingdomship
kinged
kingfish
kingfisher
kingfishers
kingfishes
kinghead
kinghood
kinghoods
kinghorn
kinghunter
kinging
kingklip
kingless
kinglessness
kinglet
kinglets
kinglier
kingliest
kinglihood
kinglike
kinglily
kingliness
kingling
kingly
kingmaker
kingmaking
kingpiece
kingpin
kingpins
kingpost
kingposts
kingrow
kings
kingship
kingships
kingside
kingsides
kingsize
kingsman
kingsnake
kingston
kingweed
kingwood
kingwoods
kinhin
kinic
kinin
kininogen
kininogenic
kinins
kink
kinkable
kinkaider
kinkajou
kinkajous
kinkcough
kinked
kinker
kinkhub
kinkhaust
kinkhost
kinkier
kinkiest
kinkily
kinkiness
kinking
kinkle
kinkled
kinkly
kinks
kinkshrub
kinky
kinless
kinnery
kinnikinic
kinnikinnick
kinnikinnic
kinnikinnick
kinnikinnik
kinnor
kino
kinofluous
kinology
kinone
kinoo
kinoos
kinoplasm
kinoplasmic
kinos
kinospore
kinot
kinotannic
kinds
kinsen
kinsfolk
kinship
kinships
kinsman
kinsmanly
kinmanship
kinsmen
kinspeople
kinswoman
kinswomen
kintar
kintlage
kintra
kintry
kinura
kioea
kionectomies
kionectomy
kionotomies
kionotomy
kiosk
kiosks
kiotome
kiotomies
kiotomy
kiowa
kip
kissing
kissingly
kissproof
kisswise
kissy
kist
kistful
kistfuls
kists
kistvaen
kiswa
kiswa
kiswah
kit
kit's
kitab
kitabi
kitabis
kitambilla
kitar
kitbag
kitcat
kitchen
kitchen's
kitchendom
kitchener
kitchenet
kitchenette
kitchenettes
kitchenful
kitchenless
kitchenmaid
kitchenman
kitchenry
kitchens
kitchenward
kitchenwards
kitchenware
kitchenwife
kitcheny
kitchie
kitching
kite
kited
kiteflier
kiteflying
kitelike
kitenge
kitenge
kiter
klavier
klaxon
klaxons
kleagle
kleagles
klebsiella
kleeneboc
kleenebok
kleenex
kleig
kleinite
klendusic
klendusity
klendusive
kleph
kleptic
kleptic
kleptic
kleptistic
kleptomania
kleptomaniac
kleptomaniacal
kleptomaniacs
kleptomanist
kleptophobia
klesha
klezmer
klick
klicket
klieg
klino
klip
klipbok
klipdachs
klipdas
klipfish
kliphaas
klippe
klippen
klipspringer
klismoi
klismoi
klister
kln
klockmannite
kloesse
klom
klong
klongs
klooch
kloof
kloofs
klootch
klootchman
klop
klops
klosh
klosse
klowet
kluck
klucker
kludge
kludged
kludges
kludging
klunk
klutz
klutzes
klutzier
klutziest
klutziness
klutzy
klva
klystron
klystrons
km
km/sec
kmel
kmet
kmole
kn
knab
knabbles
knack
knackaway
knackebrod
knacked
knacker
knackeries
knackers
knackery
knackier
knackiest
knacking
knackish
knacks
knackwurst
knackwursts
knacky
knag
knagged
knaggier
knaggiest
knaggy
knaidel
knaidlach
knap
knapbottle
knape
knappan
knappe
knapped
knapper
knappers
knapping
knappish
knappishly
knapple
knappy
knaps
knapsack
knapsack's
knapsacked
knapsacking
knapsacks
knapscap
knapscurr
knapweed
knapweeds
knar
knark
knarl
knarle
knarred
knarry
knars
knaster
knatch
knatte
knave
knave's
knaveries
knavery
knaves
knaveship
knavess
knavish
knavishly
knavishness
knav
knavel
knavels
knaydlach
knead
kneadability
kneadable
kneaded
kneader
kneaders
kneading
kneadingly
kneads
knebelite
knee
kneebrush
knee-cap
knee-capping
knee-cappings
kneecaps
kneed
knee-hole
knee-holes
kneeling
kneel
kneeled
kneeler
kneelers
kneelet
kneeling
kneelingly
kneels
kneepad
kneepads
knee-pan
knee-pans
knee-piece
knees
knee-stone
knell
knell's
knelled
knelling
knells
knelt
knet
knetch
knevel
knew
knez
knezi
kniaz
kniaz
kniazi
knick
knicker
knickerbocker
knickerbocker's
knickerbockered
knickerbockers
knickered
knickers
knickknack
knickknackatory
knickknacked
knickknackery
knickknacket
knickknackish
knickknacks
knickknacky
knicknack
knickpoint
knife
knifeboard
knifed
knifeful
knifeless
knifelike
knifeman
knifeproof
knifer
kniferest
knifers
knifes
knifesmith
knifeway
knifing
knifings
knight
knightage
knighted
knowhow
knowhows
knowing
knowinger
knowingest
knowingly
knowingness
knowings
knowledgable
knowledgableness
knowledgably
knowledge
knowledgeability
knowledgeable
knowledgeableness
knowledgeably
known
knownothingism
knowns
knowperts
knows
knox
knoxville
knoxvillite
knub
knubbier
knubbliest
knubbly
knubby
knublet
knuckle
knuckleball
knuckeleballer
knucklebone
knucklebones
knuckled
knucklehead
knuckleheaded
knuckleheadedness
knuckleheads
knuckler
knucklers
knuckles
knucklesome
kokako
kokam
kokama
kakan
kokane
kokanees
kokerboom
kokia
koki
kokila
kokio
koklas
koklass
koko
kokobeh
kokoon
kokoona
kokopu
korporomiko
kokos
kokowai
kokra
koksaghyz
koksagyzy
kokstad
koktaite
koku
kokum
kokumin
kokumingun
kola
kolach
kolacky
kolami
kolas
kolattam
kolea
koleroga
kolhoz
kolhozes
kolhozy
kolinski
kolinskies
kolinsky
kolkhos
kolkhoses
kolkhosy
kolkhoz
kolkhozes
kolkhoznik
kolkhozy
kolkoz
kollozes
kollozy
kollast
kollaster
koller
kollergang
kolmogorov
kolo
kolobia
kolobion
kolobus
kolokolo
kolos
kolskite
kolsun
koltunna
koltunnor
komarch
komatik
komatiks
kombu
kominuter
komitadji
komitaji
kommandatura
kommetje
kommos
komondor
komondoroc
komondorock
komondorok
komondors
kompeni
kompow
komtok
kon
kona
konak
kondo
konfyt
kong
kongo
kongoni
kongsbergite
kongu
konilite
konimeter
koninckite
konini
koniology
koniodiobia
koniscpe
konjak
konkani
konohiki
konseal
konstantin
kontakia
kontakion
koodoo
koodoo
kook
kooka
kookaburra
kookeree
kookery
kookie
kookier
kookiest
kookiness
kookri
kooks
kooky
koolah
koolau
kooler
kool estim
kooliman
koolokamba
koombar
koomkie
koonti
koopbrief
koorajong
koorhmn
koorka
koosin
kootcha
kootchar
kop
kopec
kopecs
kopek
kopeks
kopfring
koph
kophs
kopi
kopis
kopje
kopjes
kopophobia
koppa
koppas
koppen
koppie
koppies
koppite
kops
kor
kora
koradji
korai
korait
korakan
koran
korari
kordax
kore
korea
korean
koreans
korec
koreci
korero
korfball
korhmn
kori
korimako
korin
korma
kornerupine
kornskeppa
kornskeppur
korntonde
korntonder
korntunna
korntunnur
koromika
koromiko
kotwalee
kotwali
kotyle
kotylos
kou
koulan
koulibiaca
kounis
kounises
kouniss
kounisses
koumys
koumyses
koumyss
koumysses
kouprey
koupreys
kouproh
kourbash
kouroi
kouros
kouzin
koussin
kousso
kousssos
kouza
kovil
kowbird
kowhai
kowtow
kowtowed
kowtower
kowtowers
kowtowing
kowtows
koyan
koyemshi
kozo
kozuka
kpc
kph
kr
kra
kraal
kraaled
kraaling
kraals
kraft
kremlinology
drei
kremlins
trei
krems
trei
trei
trei
krennerite
trei
kreosote
trei
kreplach
trei
kreplech
trei
kreutzer
trei
trei
kreuzers
trei
kreuzer
trei
trei
kriegspiel
trei
krieker
trei
krigia
trei
krill
trei
krills
trei
krimmer
trei
krimmers
trei
krina
trei
kris
trei
krises
trei
krishna
trei
krishnaism
trei
krispies
trei
kriss
trei
krisuvigite
trei
kritarchy
trei
kritrima
trei
krivu
trei
krna
trei
krobyloi
trei
krobylos
trei
krocidolite
trei
krocket
trei
krohnkite
trei
krome
trei
kromeski
trei
kromesky
trei
kromogram
trei
kromskop
trei
krona
trei
krone
trei
kronen
trei
kroner
trei
kronor
trei
kronos
kumiss
kumisses
kumkum
kummel
kummels
kummerbund
kumminost
kumquat
kumquats
kumrah
kumshaw
kumys
kumyse
kunai
kundalini
kung
kunk
kunkur
kunmiut
kunwari
kunzite
kunzites
kupfernickel
kupfferite
kuphar
kupper
kurajong
kurbash
kurbashed
kurbashes
kurbashing
kurchatovium
kurchicine
kurchine
kurd
kurdish
kurdistan
kurgan
kurgans
kurikata
kurmburra
kurn
kurrajong
kursaal
kursch
kurta
kurta
kurta
kurtoisis
labial
labialisation
labialise
labialised
labialising
labialism
labialismus
labiality
labialization
labialize
labialized
labializing
labially
labials
labiate
labiated
labiates
labiatiflorous
labibia
labidometer
labidophorous
labiella
labile
labilities
lability
labilization
labilize
labilized
labilizing
labialalveolar
labiocervical
labiodendal
labiodental
labioglossal
labioglossolaryngeal
labioglossopharyngeal
labiograph
labiogression
labioguttural
labiolingual
labiomancy
labiomental
labionasal
labiopalatal
labiopalatate
labiopalatalize
labiopalatine
labiopharyngeal
labioplasty
labiose
labiotenaculum
labiovelar
labiovelarisation
labiovelarise
labiovelarised
labiovelarising
labiovelarization
labiovelarize
labiovelarized
labiovelarizing
labioversion
labis
labite
labium
lablab
labor
laborability
laborable
laborage
laborant
laboratorial
laboratorially
laboratorian
laboratories
laboratory
laboratory's
labordom
labored
laboredly
laboredness
laborer
laborers
labores
laboress
laborhood
laboring
laboringly
laborings
laborious
laboriously
laboriousness
laborism
laborist
laboristic
laborite
laborites
laborius
laborless
laborous
laborously
laborousness
labors
laborsaving
laborsome
laborsomely
laborsomeness
laboulbeniaceous
labour
labourage
laboured
labouredly
labouredness
labourer
labourers
labouress
labouring
labouringly
labourism
labourist
labourite
labourless
labours
laboursaving
laboursome
laboursomely
labra
labrador
labradorite
labradoritic
labral
labras
labredt
labret
labretifery
labrets
labrid
labroid
labroids
labrosaurid
labrosauroid
labrose
labrum
labrums
labrusca
labrys
laceman
lacemen
lacepiece
lacepod
lacer
lacerability
lacerable
lacerant
lacerate
lacerated
lacerately
lacerates
lacerating
laceration
lacerations
lacerative
lacerna
lacernae
lacernas
lacers
lacert
lacertian
lacertid
lacertids
lacertiform
lacertilian
lacertiloid
lacertine
lacertoid
lacertose
lacery
laces
lacet
lacetilian
lacewing
lacewings
lacement
lacewomen
lacewood
lacewoods
lacework
laceworker
laceworks
lacey
laceybark
lache
laches
lachesis
lachryma
lachrymable
lachrymae
lachrymaeform
lachrymal
lachrymally
lachrymalness
lachrymary
lachrymation
lachrymator
lachrymatories
lachrymatory
lachrymiform
lachrymist
lachrymogenic
lachrymonasal
lachrymosal
lachrymose
lachrymosely
lachrymosity
lachrymous
lachsa
lacier
laciest
lacily
laciness
lacinesses
laicing
lacings
lacinia
lacinate
laciniated
laciniation
laciform
laciniola
laciniolate
laciniose
lacinous
lacinula
lacinulas
lacinulate
lacinulose
lacis
lack
lackadaisic
lackadaisical
lackadaisicality
lackadaisically
lackadaisicalness
lackadaisy
lackaday
lackbrained
lackbrainedness
lacked
lacker
lackered
lackerer
lackering
lackers
lackey
lackeydom
lackeyed
lackeying
lackeyism
lackeys
lackeyship
lackies
lacking
lackland
lackluster
lacklusteriness
lacklustre
lacklustrous
lacks
lacksense
lackwit
lackwitted
lackwittedly
lackwittedness
lacmoid
lacmus
lacoca
lacolith
laconian
laconic
laconica
laconical
laconically
laconicalness
laconicism
laconicness
laconics
laconicum
laconism
laconisms
laconize
lacteal
lacteally
lacteals
lactean
lactenin
lacteous
lactesce
lactescence
lactescency
lactescenle
lactescense
lactescent
lactic
lacticinia
lactid
lactide
lactiferous
lactiferousness
lactific
lactical
lactification
lactified
lactiflorous
lactifluous
lactiform
lactifuge
lactify
lactifying
lactigenic
lactigenous
lactigerous
lactim
lactimide
lactinate
lactivorous
lacto
lactobaccilli
lactobacilli
lactobacillus
lactobutyrometer
lactocele
lactochrome
lactocitrate
lactodensimeter
lactoflavin
lactogen
lactogenic
lactoglobulin
lactoid
lactol
lactometer
lactone
lactones
lactonic
lactonization
lactonize
lactonized
lactonizing
lactophosphate
lactoprotein
lactoscope
lactose
lactoses
lactosid
lactoside
lactosuria
lactothermometer
lactotoxin
lactovegetarian
lactucarium
lactucerin
lactucin
lactucol
lactucon
laetyl
lacuna
lacunae
lacunal
lacunar
lacunaria
lacunaris
lacunars
lacunary
lacunas
lacunate
lacune
lacunes
lacunome
lacunose
lacunosis
lacunosity
lacunule
lacunulose
lacuscular
lacustral
lacustrian
lacustrine
lacwork
lacy
lad
ladakin
ladang
ladanigerous
ladanum
ladanums
ladder
ladderred
laddering
ladderless
ladderlike
ladderman
laddersmen
ladders
ladderway
ladderwise
laddery
ladress
laddie
laddies
laddikie
laddish
lardock
lade
laded
lademan
laden
ladened
ladening
ladens
lader
laders
lades
ladhood
ladies
ladified
ladify
ladifying
ladin
ladings
ladino
ladinos
ladkin
ladle
ladled
ladleful
ladlefuls
ladler
ladlers
ladles
ladlewod
ladling
ladner
ladron
ladrone
ladrones
ladronism
ladronize
ladrons
lads
lady
lady's
ladybird
ladybirds
ladybug
ladybugs
ladyclock
ladydom
ladyfern
ladyfinger
ladyfingers
ladyfish
ladyfishes
ladyflies
ladyfly
ladyfy
ladyhood
ladyhoods
ladyish
ladyishly
ladyishness
ladyism
ladykiller
ladykin
ladykind
ladykins
ladyless
ladylike
ladylikely
ladylikeness
ladyling
lama
lamaic
lamaism
lamantin
lamany
lamarckian
lamarckism
lamas
lamasary
lamaseries
lamasery
lamastery
lamb
lamb's
lamba
lamback
lambale
lambast
lambaste
lambasted
lambastes
lambasting
lambasts
lambda
lambdacism
lambdas
lambdiod
lamboidal
lambdoidal
lambeau
lambed
lambencies
lambency
lambent
lambently
lamber
lambers
lambert
lamberts
lambes
lambhood
lambie
lambies
lambiness
lambing
lambish
lambitive
lambkill
lambkills
lambkin
lambkins
lambliasis
lamblike
lamblikeness
lambling
lambly
lamboy
lamboys
lambrequin
lambs
lambsdown
lambskin
lambskins
lambsuccory
lamby
lamba
dlamb
dlamed
lamedh
lamedhs
lamedlamella
lameds
lameduck
lamel
lamella
lamellae
lamellar
lamellarly
lamellary
lamellas
lamellate
lamellated
lamellately
lamellation
lamellibranch
lamellibranchiate
lamellicorn
lamellicornate
lamellicornous
lamelliferous
lamelliform
lamellirostral
lamellirostrate
lamelloid
lamellose
lamellosity
lamellule
lamely
lameness
lamenesses
lament
lamentable
lamentability
lamentable
lamentableness
lamentably
lamentation
lamentation's
lamentational
lamentations
lamentatory
lamented
lamentedly
lamenter
lamenters
lamentful
lamenting
lamentingly
lamentive
lamentory
laments
lamer
lames
lamest
lamester
lamestery
lameter
lametta
lamia
lamiaceous
lamiaceae
lamiaceae
lamias
lamiger
lamigid
lamin
lamina
laminability
laminable
laminae

Open Source Used In CSPC_Collector 2.9.1 12970
laminal
laminar
laminaria
laminariaceous
laminarian
laminarin
laminaroid
laminarite
laminary
laminas
laminate
laminated
laminates
laminating
lamination
laminator
laminboard
laminectomy
laming
lamington
laminiferous
laminiform
laminiplantar
laminiplantation
laminitis
laminose
laminous
lamish
lamister
lamisters
lamiter
lamm
lammas
lammed
lammer
lammergeier
lammergeir
lammergeyer
lammie
lamming
lammock
lammy
lamnectomy
lamnid
lammoid
lamp
lamp's
lampad
lampadaire
lampadaries
lampadary
lampadedromy
lampadephore
lampadephoria
lampadist
lampadite
lampads
lampara
lampas
lampases
lampate
lampatia
lampblack
lampblacked
lampblackening
lamped
lamper
lampern
lampers
lamperses
lampf
lampflower
lampfly
lampful
lamphole
lampic
lamping
lampion
lampions
lampist
lampistry
lampless
lamplet
lamplight
lamplighted
lamplighter
lamplit
lampmaker
lampmaking
lampman
lampmen
lampoon
lampooned
lampooner
lampooners
lampoonery
lampooning
lampoonist
lampoonists
lampoons
lamppost
lampposts
lamprel
lampret
lamprey
lampreys
lampron
lamprophonia
lamprophonic
lamprophony
lamprophyre
lamprophyric
lamprotype
lamps
lampshade
lampshell
lampstand
lampwick
lampworker
lampworking
lampyrid
lampyrids
lampyrine
lams
lamsiekte
lamster
lamsters
lamziekte
lan
lanai
lanais
lanameter
lanarkite
lanas
lanate
lanated
lanaz
lancashire
lancaster
lancasterian
lancastrian
lance
lanced
lancegay
lancegaye
lancejack
lancelet
lancelets
lancelike
lancelot
lancely
lanceman
lancemen
lanceolar
lanceolate
lanceolated
lanceolately
lanceolation
lancepesade
lancepod
lanceprisado
lanceproof
lancer
lancers
lances
lancet
lanceted
lanceteer
lancetfish
lancetfishes
lancets
lancewood
lanch
lancha
lanchara
lanciers
lanciferous
lanciform
lancinate
lancinated
lancinating
lancination
lancing
land
landage
landamman
landammann
landau
landaulet
landaulette
landaus
landblink
landwrack
landwreck
landyard
lane
lane's
lanely
lanes
lanesome
lanete
laneway
laney
lang
langaha
langarai
langate
langauge
langbanite
langbeinite
langca
langeel
langel
langi
langiel
langite
langka
langlauf
langlaufer
langlaufers
langlaufs
angle
langley
langleys
langobardic
langoon
langooty
langosta
langouste
langrage
langranges
langrel
langrels
langret
langridge
langsat
langset
langsettle
langshan
langshans
langspiel
langspil
langsyne
langsynes
langteraloo
language
language's
languaged
languageless
languages
languaging
langue
langued
languedoc
languent
langues
languescent
languet
languets
languette
languid
languidly
languidness
languish
languished
languisher
languishers
languishes
languishing
languishingly
languishment
languor
languorment
languorous
languorously
languorousness
languors
langur
langurs
laniard
laniards
laniaries
laniariform
laniary
laniate
lanier
laniferous
lanific
lanifice
laniflorous
laniform
lanigerous
laniform
lanoid
lanista
lanistae
lanital
lanitals
lank
lanker
lankest
lanket
lankier
lankiest
lankily
lankiness
lankish
lankly
lankness
lanknesses
lanky
lanner
lanneret
lannerets
lanners
lanolated
lanolin
lanoline
lanolines
lanolins
lanose
lanosities
lanosity
lansa
lansat
lansdowne
lanseh
lansfordite
lansing
lansknecht
lanson
lansquenet
lant
lantaca
lantaka
lantana
lapacho
lapachol
lapactic
laparectomy
laparocele
laparocholecystotomy
laparocolectomy
laparocolostomy
laparocolotomy
laparocolpophysterotomy
laparocolpotomy
laparocystectomy
laparocystotomy
laparoelytrotomy
laparoenterostomy
laparoenterotomy
laparogastroscopy
laparogastroscopy
laparohepatomotomy
laparohysterectomy
laparohysteropexy
laparohysterotomy
laparoileotomy
laparonleotomysis
laparomyomectomy
laparomyomotomy
laparonephrectomy
laparonephrotomy
laparorrhaphy
laparosalpingectomy
laparosalpingotomy
laparoscope
laparoscopy
laparosplenectomy
laparosplenotomy
laparostict
laparothoracoscopic
laparotome
laparotomies
laparotomist
laparotomize
laparotomized
laparotomizing
laparotomy
laparotrachelotomy
lapb
lapboard
lapboards
lapcock
lapdog
lapdogs
lapel
lapel's
lapeler
lapelled
lapels
lapful
lapfuls
lapicide
lapidarian
lapidaries
lapidarist
lapidary
lapidate
lapidated
lapidates
lapidating
lapidation
lapidator
lapideon
lapideous
lapides
lapidescence
lapidescent
lapidicolous
lapidific
lapidifical
lapidification
lapidified
lapidifies
lapidify
lapidifying
lapidist
lapidists
lapidity
lapidose
lapies
lapilli
lapilliform
lapillo
lapillus
lapin
lapinized
lapins
lapis
lapises
lapland
laplander
laplanders
lapling
lapon
lapp
lappaceous
lappage
lapped
lapper
lappered
lappering
lappers
lappet
lappeted
lappethead
lappets
lappic
lappilli
lapping
lappish
lapponian
lapps
lapputan
laps
lapsability
lapsable
lapsation
lapse
lapsed
laps
lapsers
lapses
lapsful
lapsi
lapsibility
lapsible
lapsided
lapsing
lapsingly
lapstone
lapstrake
lapstreak
lapstreaked
lapstreaker
lapsus
laptop
lapulapu
laputan
laputically
lapwing
lapwings
lapwork
laquais
laquear
laquearia
laquearian
laquei
laqueus
lar
larararia
lararia
lararium
larboard
larboards
larbolins
larbowlines
larcenable
larcener
larceners
larcenic
larcenies
larcenish
larcenist
larcenists
larcenous
larcenously
larcenousness
larceny
larch
larchen
larcher
larches
larcin
larcinry
lard
lardacein
lardaceous
larded
larder
larderellite
larderer
larderful
larderie
larderlike
larders
lardier
lardiest
lardiform
lardiner
larding
lardite
lardizabalaceous
lardlike
lardon
lardons
lardoons
lardry
lards
lardworm
lardy
lare
lareabell
lares
largamente
largando
large
largebrained
largehanded
largehearted
largeheartedly
largeheartedness
largely
largemouth
largemouthed
largen
largeness
largeour
largeous
larger
larges
largess
largesse
largesses
largest
largest
height
larghetto
larghettos
larghiissimo
larghiissimos
larghiical
largish
largishness
larnakes
larnax
larnyx
laroid
laron
larree
larries
larrigan
larrigans
larrik
larrikalian
larrikiness
larrikanism
larrikins
larriman
larrup
larruped
larruper
larrupers
larruping
larrups
larry
lars
larsenite
larum
larums
larva
larvae
larval
larvaria
larvarium
larvariums
larvas
larvate
larvated
larve
larvicidal
larvicide
larvicolous
larviform
larvigerous
larvikite
larviparous
larviposit
larviposition
larvivorous
larvule
laryngal
laryngalgia
laryngeal
laryngeally
laryngean
laryngeating
laryngectomee
laryngectomies
laryngectomize
laryngectomized
laryngectomizing
laryngectomy
laryngemphraxis
laryngendoscope
larynges
laryngic
laryngismal
laryngismus
laryngitic
laryngitis
laryngitus
laryngocele
laryngocentesis
laryngofission
laryngofissure
laryngograph
laryngography
laryngologic
laryngological
laryngologist
laryngology
laryngometry
laryngoparalysis
laryngopathy
laryngopharyngeal
laryngopharynges
laryngopharyngitis
laryngopharynx
laryngopharynxes
laryngophony
laryngophthisis
laryngoplasty
laryngoplegia
laryngorrha gia
laryngorrhea
laryngoscleroma
laryngoscope
laryngoscopic
laryngoscopical
laryngoscopically
laryngoscopies
laryngoscopist
laryngoscopy
laryngospasm
laryngostasis
laryngostenosis
laryngostomy
laryngostroboscope
laryngotome
laryngotomies
laryngotomy
laryngotracheal
laryngotrachealitis
laryngotracheoscopy
laryngotracheotomy
laryngotyphoid
laryngovestibulitis
larynx
larynxes
las
lasa
lasagna
lasagnas
lasagne
lasagnes
lasarworts
lascar
lascaree
lascarine
lascars
laschety
lascivient
lascivantely
lascivious
lasciously
lasciviousness
lase
lased
laser
laser's
laserdisk
laserdisks
laserjet
lasers
laserwort
lasses
lash
lately
latemost
laten
latence
latencies
latency
latened
lateness
latenesses
latening
latens
latensification
latensified
latensify
latensifying
latent
latentize
latently
latentness
latents
later
latera
laterad
lateral
lateraled
lateraling
lateralis
lateralities
laterality
lateralization
lateralize
lateralized
lateralizing
laterally
lateral
laterals
lateran
latericeous
latericumbent
lateriflexion
laterifloral
lateriflorous
laterifolious
laterigrade
laterinerved
laterine
laterite
laterites
lateritic
lateritious
lateriversion
laterization
lateroabdominal
lateroanterior
laterocaudal
laterocervical
laterodeviation
laterodorsal
lateroduction
lateroflexion
lateromarginal
lateronuchal
lateroposition
lateroposterior
lateropulsion
laterostigmatal
laterostigmatic
laterotemporal
laterotorsion
lateroventral
lateroverversion
latescence
latescent
latesome
latest
lates
lateward
latewhile
latewhiles
latewood
latewoods
latex
latexes
latexosis
lath
latham
lathe
lathed
lathee
latheaman
lathen
lather
latherability
latherable
lathered
latherreeve
latherer
latherers
lathering
latheron
lathers
latherwort
lathery
lathes
lathesman
lathesmen
lathhouse
lathi
lathie
lathier
lathiest
lathing
lathings
lalthlike
lathreeve
laths
lathwork
lathworks
lathy
lathyrism
lathyrinic
lat
latian
latibule
latibulize
latices
laticifer
laticiferous
laticlave
laticostate
latidentate
latifolia
latifoliate
latifolious
latifundia
latifundian
latifundio
latifundium
latigo
latigoes
latigos
latimer
latimeria
latin
latinate
latinian
latinism
latinist
latinities
latinity
latinization
latinize
latinized
latinizes
latinizing
latino
latinos
latins
lation
latipennate
latipennine
latiplantar
latirostral
latirostrous
latisept
latiseptal
latiseptate
latish
latissimi
latissimus
latisternal
latittancy
latitant
latitat
latite
latitude
latitude's
latitudes
latitudinal
latitudinally
latitudinarian
latitudinarianism
latitudinarianism
latitudinarians
latitudinary
latitudinous
lative
latke
latomia
latomy
laton
latonian
latsol
latosolic
latosols
latoun
latrant
latrate
latration
latrede
latreutic
latreutical
latria
latrial
latrially
latrian
latrias
latrine
latrine's
latrines
latro
latrobe
latrobite
latrocinium
latrociny
latron
lats
latten
lattener
lattens
latter
latterkin
latterly
lattermath
lattermint
lattermost
latterness
lattice
lattice's
latticed
latticeleaf
latticelike
lattices
latticewise
latticework
latticicini
latticing
latticinii
latticinio
lattin
lattins
latus
latvia
latvian
latvians
lauan
lauans
laubanite
laud
laudability
laudable
laudableness
laudably
laudanidine
laudanin
laudanine
laudanosine
laudanum
laudanums
laudation
laudative
laudator
laudatorily
laudators
laudatory
laude
lauded
lauder
lauderdale
lauders
laudes
laudian
laudification
lauding
laudist
lauds
laugh
laughability
laughable
laughableness
laughably
laughed
laughee
laugher
laughers
laughful
laughing
laughingly
laughings
laughingstock
laughingstocks
laughs
laughsome
laughter
laughterful
laughterless
laughters
laughworthy
laughy
lauhala
lauia
lauau
laumonite
laumontite
laun
lance
lances
launch
launchable
launched
launcher
launchers
launches
launchful
launching
launchings
launchpad
launchplex
launchways
laund
launder
launderability
launderable
laundered
launderer
launderers
launderette
laundering
launderings
lauanders
laundress
laundresses
laundries
laundromat
laundromats
laundry
laundrymaid
lauryle
laus
laus
denclavicymbal
lauter
danty
lautitious
datu
dauine
dauwines
dav
dava
lavable
lavabo
lavabo
dlavabo
dlavabo
dlavabo
dlavabo
lavadeo
lavage
lavages
lavala
dlavala
dlavala
dlavala
lavaler
dlavaler
dlavaler
dlavaler
dlavaler
dlavaler
dlavaler
lavalliere
lavalliere
lavalliere
lavalliere
lavalliere
lavalliere
lavalliere
lavalliere
lavalliere
lavalliere
lavamento
lavandera
lavanderas
lavander
lavander
lavandero
lavanderos
lavandin
lavanga
lavant
lavare
dlava
dlava
lavash
lavatic
lavation
lavational
lavations
lavatorial
lavatories
lavatory
lavatory's
lavature
lave
laveche
laved
laveer
laveered
laveering
laveers
lavement
lavender
lavendered
lavendering
lavenders
lavenite
laver
laveroc
laverock
laverocks
lavers
laverwort
laves
lavette
lavialite
lavic
laving
lavish
lavished
lavisher
lavishers
lavishes
lavishest
lavishing
lavishingly
lavishly
lavishment
lavishness
lavolta
lavrock
lavrocks
lavroffite
lavrovite
lavy
law
law's
lawabidingness
lawbook
lawbreak
lawbreaker
lawrightmen
laws
lawsone
lawsonite
lawsuit
lawsuit's
lawsuiting
lawsuits
lawter
lawyer
lawyer's
lawyeress
lawyeresses
lawyering
lawyerism
lawyerlike
lawyerling
lawyerly
lawyers
lawyership
lawyery
lawzy
lax
laxate
laxation
laxations
laxative
laxatively
laxativeness
laxatives
laxator
laxer
laxest
laxiflorous
laxifoliate
laxifolious
laxism
laxist
laxities
laxity
laxly
laxness
laxnesses
lay
layabout
layabouts
layaway
layaways
layback
layboy
laydown
layed
layer
layerage
layerages
layered
layering
layerings
layers
layery
layette
layettes
layfolk
laying
layland
laylight
layloc
laylock
layman
laymanship
laymen
laye
layner
layoff
layoffs
layout
layout's
layouts
layover
layovers
layperson
layrock
lays
layshaft
layship
laystall
laystow
layup
laywoman
laywomen
lazar
lazaret
lazarets
lazarette
lazaretto
lazarettos
lc
lca
lcd
lcm
lconvert
lcsymbol
ld
ldg
ldinfo
le
lea
leach
leachability
leachable
leachate
leachates
leached
leacher
leachers
leaches
leachier
leachiest
leaching
leachman
leachmen
leachy
lead
leadable
leadableness
leadage
leadback
leaded
leaden
leadenhearted
leadenheartedness
leadenly
leadenness
leadenpated
leader
leaderess
leaderette
leaderless
leaders
leadership
leadership's
leaderships
leadeth
leadhillite
leatherize
leatherjacket
leatherleaf
leatherleaves
leatherlike
leatherlikeness
leathermaker
leathermaking
leathern
leatherneck
leathernecks
leatheroid
leatherroot
leathers
leatherside
leatherware
leatherwing
leatherwood
leatherwork
leatherworker
leatherworking
leathery
leathwake
leatman
leatmen
leave
leaved
leaveless
leavelooker
leaven
leavened
leavening
leavenish
leavenless
leavenous
leavens
leaver
leavers
leaverwood
leaves
leavetaking
leavier
leaviest
leaving
leavings
leavy
leawill
leban
lebanese
lebanon
lebban
lebbek
leben
lebens
lebensraum
lebes
lebhaft
lebkuchen
lebrancho
lecama
lecaniiid
lecanine
lecanomancer
lecanomancy
lecanomantic
lecanoraceous
lecanoric
lecanorine
lecanoroid
lecanoscopic
lecanoscopy
lech
lechatelierite
lechayim
lechayims
leche
lecher
lechered
lecherer
lecheries
lechering
lecherous
lecherously
lecherousness
lechers
lechery
leches
lechosa
lechriodont
lechuguilla
lechuguillas
lechwe
lecideaceous
lecideiform
lecideine
lecidioid
lecithal
lecithalbumin
lecithality
lecithic
lecithin
lecithinase
lecithins
lecithoblast
lecithoid
lecithoprotein
leck
leckier
lection
lectionaries
lectionary
lections
lectisternium
lector
lectorate
lectorial
lectors
lectorship
lectotype
lectress
lectrice
lectual
lectuary
lecture
lectured
lecturee
lectureproof
lecturer
lecturers
lectures
lectureship
lectureships
lectress
lecturette
lecturing
lectum
lecyth
leechwort
leed
leeds
leef
leefang
leefange
leeftail
leeful
leefully
leegatien
leegte
leek
leekish
leeks
leeky
leelane
leelang
leep
leepit
leer
leered
leerfish
leerier
leeriest
leerily
leeriness
leering
leeringly
leerish
leerness
leeroway
leers
leery
lees
leese
leeser
leeshy
leesing
leesome
leesomely
leet
leettle
leetman
leetmen
leets
leewan
leeward
leewardly
legis
legislate
legislated
legislates
legislating
legislation
legislational
legislativ
legislative
legislatively
legislator
legislator's
legislatorial
legislatorially
legislators
legislatorship
legislatress
legislatresses
legislatrix
legislatrixes
legislature
legislature's
legislatures
legist
legister
legists
legit
legitim
legitimacies
legitimacy
legitimate
legitimated
legitimately
legitimateness
legitimating
legitimation
legitimatis
te
legitimatised
legitimatising
legimatist
legimatization
legimatize
legimatized
legimatizing
legitime
legitimisation
legitimise
legitimised
legitimising
legitimism
legitimist
legitimistic
legitimity
legitimization
legitimizations
legitimize
legitimized
legitimizer
legitimizes
legitimizing
legitimium
legits
leglen
legless
leglessness
leglet
leglike
legman
legmen
legoa
legong
legpiece
legpull
legpuller
legpulling
legrete
legroom
legrooms
legrope
legs
legua
legen
legual
leguleian
leguleious
legume
legumelin
legumen
legumes
legumin
leguminiform
leguminose
leguminous
legumins
legwork
legworks
leisters
leisurabe
leisurable
leisurably
leisure
leisured
leisureful
leisureless
leisureliness
leisurely
leisureness
leisures
leitmotif
leitmotifs
leitmotiv
leitneriaceous
lek
lekach
lekanai
lekanе
lekha
lekker
leks
lekythi
lekythoi
lekythos
lekythus
lelwel
leman
lemanry
lemans
leme
lemel
lemma
lemma's
lemmas
lemmata
lemmatize
lemming
lemmings
lemmitis
lemmoblastic
lemmocyte
lemmon
lemmus
lemnaceous
lemnad
lemnian
lemniscata
lemniscate
lemniscatic
lemnisci
lemniscus
lemnissici
lemnissici
lemogra
lemography
lemology
lemon
lemon’s
lemonade
lemonades
lemonado
lemonfish
lemonfishes
lemongrass
lemonish
lemonlike
lemons
lemonweed
lemonwood
lemony
lempira
lempiras
lemur
lemures
lemurian
lemurid
lemuriform
lemurine
lemurlike
lemuroid
lemuroids
lemurs
lenad
lenard
lench
lencheon
lend
lendable
lended
lendee
lender
lenders
lending
lends
lene
lenes
leng
lenger
lengest
length
lengthen
lengthened
lengthener
lengtheners
lengthening
lengthens
lengther
lengthful
lengthier
lengthiest
lengthily
lengthiness
lengthly
lengthman
lengths
lengthsman
lengthsmen
lengthsome
lengthsomeness
lengthways
lengthwise
lengthy
leniate
lenience
leniences
leniencies
leniency
lenient
leniently
lenientness
lenify
lenin
leningrad
leninism
leninist
leninists
lenis
lenitic
lenities
lenition
lenitive
lenitively
lenitiveness
lenitives
lenitude
lenity
lennilite
lennaceous
lennow
leno
lenocinant
lenos
lens
lens's
lense
lensed
lenses
lensless
lenslike
lensman
lensmen
lent
lentamente
lentando
lenten
lenth
lenthways
lentibulariaceous
lentic
lenticel
lenticellate
lenticels
lenticle
lenticous
lenticula
lenticular
lenticulare
lenticularis
lenticularly
lenticulas
lenticulate
lenticulated
lenticulating
lenticulation
lenticule
lenticulostriate
lenticulothalamic
lentiform
lentigerous
lentigines
lentiginose
lentiginous
lentigo
lentil
lentîl's
lentile
lentils
lentîner
lentisc
lentiscîne
lentisco
lentiscus
lentisk
lentîsks
lentissîmo
lentîtude
lentitudînous
lentner
lento
lentoid
lentor
lentos
lentous
lenvoi
lenvoy
leo
leodicid
leon
leonard
leonardesque
leonârdo
leoncîto
leonê
leones
leonhardîte
leonid
leonine
leonînely
leonînes
leonîte
leonîtasis
leontocephalous
leontodon
leopard
leopard's
leoparder
leopardess
leopardîne
leopardîte
leopards
leopardskin
leopardwood
leopoldite
leos
leotard
leotards
lep
lepa
lepadid
lepadoid
lepage
lepal
lepargylic
leper
leperdom
lepered
lepero
lepers
lepid
lepidene
lepidin
lepidine
lepidity
lepidly
lepidoblastic
lepidodendraceous
lepidodendrid
lepidodendrids
lepidodendroid
lepidodendroids
lepidoid
lepildolite
lepidomelane
lepidophyllous
lepidophyte
lepidophytic
lepidoporphyrin
lepidopter
lepidoptera
lepidopteran
lepidopterid
lepidopterist
lepidopterological
lepidopterologist
lepidopterology
lepidopteron
lepidopterous
lepidosaurian
lepidades
lepidosiren
lepidosirenoid
lepidosis
lepidosteoid
lepidotere
lepismoid
lepcyta
lepocyte
leporicide
leporid
leporidae
leporide
leporids
leporiform
leporine
lepospondylos
lepotrich
leppy
lepra
lepralian
lepree
leprechaun
leprechauns
lepric
leprid
leprine
leproid
leprologic
leprologist
leprology
leproma
lepromatous
leprosaria
leprosarium
leprosariums
leprose
leprosed
leproseries
leprosery
leprosied
leprosies
leprosis
leprosity
leprosy
leprotic
leprous
leprously
leprousness
lepy
lepsaria
lepta
leptandra
leptandrin
leptene
leptera
leptid
leptiform
leptinolite
leptite
leptobos
leptocardian
leptocentric
leptocephalan
leptocephali
leptocephalia
leptocephalic
leptocephalid
leptocephaloid
leptocephalous
leptocephalus
leptocephaly
leptocercal
leptochlorite
leptochroa
leptochrous
leptoclase
leptodactyl
leptodactylous
leptodermatous
leptodermous
leptoform
leptokurtic
leptokurtosis
leptology
leptomatic
leptom
leptomedusan
lepтомeningeal
lepтомeninges
lepтомeningitis
lepтомениnx
lepтомeter
leptomonad
lepton
leptonecrosis
leptonema
leptonic
leptons
leptopellic
leptophyllous
leptoprosope
leptoprosopic
leptoprosopous
leptoprosopy
leptorrhin
leptorrhine
leptorrhinian
leptorrhinism
leptorrhiny
leptosomatic
leptosome
leptosomic
leptosperm
leptospira
leptospirae
leptospiral
leptospiras
leptospire
leptospirosis
leptosporangiate
leptostracan
leptostracous
leptotene
leptus
leptynite
lequear
ler
lernean
lerneiform
lerneoid
lerot
lerp
lerret
les
lesbian
lesbianism
lesbians
lesche
lese
lesed
lethality
lethalize
lethally
lethals
lethargic
lethargical
lethargically
lethargicalness
lethargies
lethargise
lethargised
lethargising
lethargize
lethargized
lethargizing
lethargus
lethargy
lethe
lethean
lethes
lethied
lethiferous
lethologica
lethy
leto
letoff
letorate
letrist
lets
lett
lettable
letted
leten
letter
lettercard
lettered
letterer
letterers
letteret
letterform
lettergae
lettergram
letterhead
letterheads
lettering
letterings
letterleaf
letterless
leucite
leucites
leucitic
leucitis
leucitite
leucitohedron
leucitoid
leucitophyre
leuco
leucobasalt
leucoblast
leucoblastic
leucocarpous
leucochalcite
leucocholic
leucocholy
leucochroic
leucocidic
leucocidin
leucocism
leucocrate
leucocratic
leucocyan
leucocystal
leucocyte
leucocythaemia
leucocythaemic
leucocythemia
leucocythemic
leucocytic
leucocytoblast
leucocytogenesis
leucocytoid
leucocytoplology
leucocytolysin
leucocytolysis
leucocytolytic
leucocytometer
leucocytopenia
leucocytopenic
leucocytopenia
leucocytoHepatitis
leucocytolesis
leucocytopoiesis
leucocytes
leucocytosis
leucocytotherapy
leucocytic
leucoderma
leucodermatous
leucoderma
leucodermic
leucoencephalitis
leucoethiop
leucogenic
leucoid
leucoindigo
leucoindigotin
leucoline
leucolytic
leucoma
leucomaine
leucomas
leucomatous
leucomelanic
leucomelanous
leucon
leucones
leuconoid
leuconostoc
leucopenia
leucopenic
leucophage
leucophanite
leucophile
leucophlegmacy
leucophoenicite
leucophore
leucophyllous
leucophyre
leucoplakia
leucoplakial
leucoplast
leucoplastid
leucopoiesis
leucopoietic
leucopus
leucopyrite
leucoquinizarin
leucorrhrea
leucorrhreal
leucorrhoea
leucorrhoeal
leucorryx
leucosis
leucospermous
leucosphenite
leucosphere
leucospheric
leucostasis
leucosticte
leucosyenite
leucotactic
leucotaxin
leucotaxine
leucotic
leucotome
leucotomies
leucotomy
leucotoxic
leucous
leucoxene
leucyl
leud
leudes
leuds
leuk
leukaemia
leukaemic
leukemia
leukemias
leukemic
leukemicals
leukemid
leukemoid
leukoblast
leukoblastic
leukocidic
leukocidin
leukoctyoid
leukocyte
leukocytes
leukocythemia
leukocytic
leukocytoblast
leukocytoid
leukocytopenia
leukocytosis
leukocytic
leukoderma
leukodystrophy
leukoma
leukomas
leukon
leukons
leukopedesis
leukopenia
leukopenic
leukopoiesis
leukopoietic
leukorrhea
leukorrhreal
leukorrhoea
leukorrhoeal
leukoses
leukosis
leukotaxin
leukotaxine
leukotic
leukotomies
leukotomy
leuma
lev
leva
levade
levalloisian
levance
levancy
levant
levanted
levanter
levantera
levanters
levantine
levanting
levanto
levants
leverterenol
levation
levator
levatores
levators
leve
leveche
levee
levec's
leveed
leveing
levees
leveful
level
leveled
leveler
levelers
levelheaded
levelheadedly
lexiconist
lexiconize
lexicons
lexicostatistic
lexicostatistical
lexicostatistics
lexigraphic
lexigraphical
lexigraphically
lexigraphy
lexiphanes
lexiphanic
lexiphanicism
lexis
lexological
ley
leyden
leyland
leys
leysing
lf
lg
lgth
lh
lhb
lhd
lherzite
lherzolite
lhiamba
liabilities
liability
liability's
liable
liableness
liaise
liaised
liaises
liaising
liaison
liaison's
liaisons
liambo
liana
lianas
liane
lianes
liang
liberationists
liberations
liberative
liberator
liberator's
liberators
liberatory
liberatress
liberatrice
liberatrix
liberia
liberian
liberians
liberomotor
libers
libertarian
libertarianism
libertarians
liberticidal
liberticide
liberties
libertinage
libertine
libertines
libertinism
liberty
liberty's
libertyless
liberum
libethenite
libget
libidibi
libidinal
libidinally
libidinist
libidinization
libidinized
libidinizing
libidinosity
libidinous
libidinosely
libidinousness
libido
libidos
libinit
libitum
libken
libkin
lichenize
lichenized
lichenizing
lichenlike
lichenographer
lichenographic
lichenographical
lichenographist
lichenography
lichenoid
lichenologic
lichenological
lichenologist
lichenology
lichenose
lichenous
lichens
licheny
lichi
lichis
licht
lichted
lichting
lichtly
lichts
lichwake
licit
licitation
licitly
licitness
lick
licked
licker
lickerish
lickerishly
lickerishness
lickerous
lickers
lickety
licking
lickings
lickpenny
licks
lickspit
lickspits
lickspittle
lickspitting
licorice
liegeful
liegefully
liegeless
liegely
liegeman
liegemen
lieger
lieges
liegewoman
liegier
lien
lien's
lienable
lienal
lienculi
lienculus
lienectomies
lienectomy
lienee
lienholder
lienic
lienitis
lienocele
lienogastric
lienointestinal
lienomalacia
lienomedullary
lienomyelogenous
lienopancreatic
lienor
lienorenal
lienotoxin
liens
lienteria
lienteric
lienteries
lientery
liepot
lieproof
lieprooflier
lieproofliest
lier
lierne
liernes
lierre
liers
lies
liesh
ligamentary
ligamentous
ligamentously
ligaments
ligamentta
ligamentum
ligan
ligand
ligands
ligans
ligas
ligase
ligases
ligate
ligated
ligates
ligating
ligation
ligations
ligative
ligator
ligatory
ligature
ligatured
ligatures
ligaturing
lige
ligeance
liger
liggat
ligge
ligger
light
lightable
lightage
lightboard
lightboat
lightbrained
lighted
lighten
lightened
lightener
lighteners
lightening
lightens
lighter
lighter's
lighterage
lightningproof
lightnings
lightplane
lightproof
lightroom
lights
lightscot
lightship
lightships
lightsman
lightsmen
lightsome
lightsomely
lightsomeness
lighttight
lightwards
lightweight
lightweights
lightwood
lightwort
lighty
lightyears
ligitimized
ligitimizing
lignaloes
lignant
ligne
ligneous
lines
ligneous
lignescent
lignicole
lignicolous
ligniferous
lignification
lignifications
lignified
lignifies
ligniform
lignify
lignifying
lignin
lignins
ligninsulphonate
ligniperdous
lignite
lignites
lignitic
lignitiferous
lignitize
lignivorous
lignocaine
lignocellulose
lignocellulosic
lignoceric
lignography
lignone
lignose
lignosity
lignosulfonate
lignosulphite
lignosulphonate
lignous
lignum
lignums
ligroin
ligroine
ligroines
ligroins
ligula
ligulae
ligular
ligulas
ligulate
ligulated
ligule
ligules
liguliflorous
liguliform
ligulin
liguloid
ligure
ligures
ligurian
ligurite
ligurition
ligurrition
ligustrin
liin
lija
likability
likable
likableness
like
likeability
likeable
lilas
lilburne
lile
lies
liliaceous
lilial
liliated
liled
lilies
liliform
lilith
lilium
ill
lillianite
lillibullero
lilliput
lilliputian
lilliputians
lilliputs
lilly
liit
liited
liiting
liitingly
liitingness
liits
lily
lily's
lilyfy
lilyhanded
lilylike
lilywood
lilywort
lim
lima
limace
limacel
limacelle
limaceous
limaciform
limachine
limacines
limacinid
limacoid
limacon
limacons
limail
limaille
limital
limitanean
limitarian
limitaries
limitary
limitate
limitation
limitation's
limitational
limitations
limitative
limitatively
limited
limitedly
limitedness
limiteds
limiter
limiters
limiting
limitive
limitless
limitlessly
limitlessness
limitor
limitrophe
limits
limity
limivorous
limli
limma
limmata
limmer
limmers
limmock
limmu
limn
limnal
limmanth
limmanthaceous
limned
limner
limners
limnery
limnetic
limniad
limnic
limnimeter
limnimetric
limning
limnite
limnobiologic
limnobiological
limnobiologically
limnobiology
limnobios
limnograph
limnologic
limnological
limnologically
limnologist
limnology
limnometer
limnophil
limnophile
limnophilid
limnophilous
limnophobia
limnoplankton
limnoroid
limns
limo
limoid
limoncillo
limoncito
limonene
limonenes
limoniad
limonin
limonite
limonites
limonitic
limonitization
limonium
limos
limose
limous
limousin
limousine
limousines
limp
limped
limper
limpers
limpest
limpet
linamarin
linarite
linch
linchbolt
linchet
linchpin
linchpinned
linchpins
lincloth
lincoln
lincolnesque
lincolnian
lincolniana
lincomycin
lincrusta
lincure
linctus
lind
linda
lindabrides
lindackerite
lindane
lindanes
linden
lindens
linder
lindied
lindies
lindo
lindoite
lindworm
lindy
lindying
line
line's
linea
lineable
lineage
lineaged
lineages
lineal
lineality
lineally
lineament
lineamental
lineamentation
lineaments
lineameter
linear
linearifolius
linearisation
linearise
linearised
linearising
linearities
linearity
linearizable
linearization
linearize
linearized
linearizes
linearizing
linearly
linearly
lineas
lineate
lineated
lineation
lineatum
lineature
linebacker
linebackers
linebacking
linebred
linebreed
linebreeding
linecaster
linecasting
linecut
linecuts
lined
linefeed
linefeeds
lineiform
lineless
linelet
linelike
lineman
linemen
linen
linen's
linendrapers
linener
linenette
linenfold
linenize
linguist
linguistics
linguistry
linguists
lingula
lingulæ
lingulate
lingulated
lingulid
linguliferous
linguliform
linguloid
linguodental
linguodistal
linguogingival
linguopalatal
linguopapillitis
linguoversion
lingwort
lingy
linha
linhay
linie
linier
liniest
liniment
liniments
linin
lininess
lining
linings
linins
linitis
liniya
linja
line
link
linkable
linkage
linkage's
linkages
linkboy
linkboys
linked
linkedit
linkedited
linkediting
linkeditor
linotyper
linotypes
linotyping
linotypist
linous
linoxin
linoxyn
linpin
linquish
lins
linsang
linsangs
linseed
linseeds
linsey
linseys
linstock
linstocks
lint
lintel
linteled
linteling
lintelled
lintelling
lintels
lnten
linter
lintern
linters
lntie
lintier
lintiest
lntless
lintol
lintols
lintonite
lnts
lintseed
lintwhite
lnty
linum
linums
linwood
liny
linyphiid
liodermia
liomyofibroma
liomyoma
liparid
liparite
liparocele
liparoid
liparomphalus
liparous
lipase
lipases
lipectomies
lipectomy
lipemia
lipemic
lipic
lipid
lipide
lipides
lipidic
lipids
lipin
lipins
lipless
liplet
liplike
lipoblast
lipoblastoma
lipocaic
lipocardiac
lipocele
lipoceratous
lipocere
lipochondroma
lipochrome
lipochromic
lipochromogen
lipoclasis
lipoclastic
lipocyte
lipocytes
lipodystrophia
lipodystrophy
lipoferous
lipofibroma
lipogenesis
lipogenetic
lipogenic
lipogenous
lipogram
lipogrammatic
lipogrammatism
lipogrammatist
lipographic
lipography
lipohemia
lipoid
lipoidaemia
lipoidal
lipoidemia
lipoidic
lipoids
lipolitic
lipolyses
lipolysis
lipolytic
lipoma
lipomas
lipomata
lipomatosis
lipomatous
lipometabolic
lipometabolism
lipomorph
lipomyoma
lipomyxoma
lipopectic
lipopexia
lipophagic
lipophilic
lipophore
lipopod
lipopolysaccharide
lipoprotein
liposarcoma
liposis
liposoluble
liposome
lipostomy
lipothyemia
lipothymlial
lipothymic
lipothymy
lipotrophic
lipotrophy
lipotropic
lipotropin
lipotropism
lipotropy
liquefiable
liquefied
liquefier
liquefiers
liquefies
liquefy
liquefying
liquor
liquescence
liquescency
liquescent
liquet
liqueur
liqueured
liqueuring
liqueurs
liquid
liquid's
liquidable
liquidambar
liquidamber
liquidate
liquidated
liquidates
liquidating
liquidation
liquidation's
liquidations
liquidator
liquidators
liquidatorship
liquidise
liquidised
liquidising
liquidities
liquidity
liquidization
liquidize
liquidized
liquidizer
liquidizes
liquidizing
liquidless
liquidly
liquidness
liquidogenic
liquidogenous
liquids
liquidus
liquidy
liquified
liquifier
liquifiers
liquifies
liquiform
liquify
liquifying
liquor
liquor's
liquored
liquorer
liquorice
liquoring
liquorish
liquorishly
liquorishness
liquorist
liquorless
liquors
liquory
lir
lira
liras
lirate
liration
lire
lirella
lirellate
lirelliform
lirelline
lirellous
lirioddra
liriodendra
liriodendron
liriodendrons
liripipe
liripipes
liripoop
liroconite
lirot
liroth
lis
lisbon
lisere
lisette
listeria
listerian
listeriases
listeriasis
listerioses
listeriosis
listers
listful
listing
listing’s
listings
listless
listlessly
listlessness
listred
lists
listwork
listy
lizt
lit
litai
litaneutical
litanies
litany
litanywise
litarge
litas
litation
litatu
litch
litchi
litchis
lite
liter
literacies
literacy
literachumaniiores
literaily
literal
literalisation
literalise
literalised
literaliser
literalising
literalism
literalist
literalistic
literalistically
lithate
lithatic
lith
lithectasy
lithectomy
lithely
lithemia
lithemias
lithemic
litheness
lither
litherly
litherness
lithesome
lithesomeness
lithest
lithi
lithia
lithias
lithiasis
lithiastic
lithiate
lithic
lithically
lithifaction
lithification
lithified
lithify
lithifying
lithiophilite
lithite
lithium
lithiums
lithless
litho
lithobiid
lithobioid
lithocenosis
lithochemistry
lithochromatic
lithochromatics
lithochromatographic
lithochromatography
lithochromic
lithochromography
lithochromy
lithoclase
lithoclast
lithoclastic
lithoclasty
lithoculture
lithocyst
lithocystotomy
lithodesma
lithodialysis
lithodid
lithodomous
lithoed
lithofellic
lithofellinic
lithofracteur
lithofractor
lithog
lithogenesis
lithogenesis
lithogenetic
lithogenous
lithogeny
lithoglyph
lithoglypher
lithoglyphic
lithoglyptic
lithoglyptics
lithograph
lithographed
lithographer
lithographers
lithographic
lithographical
lithographically
lithographing
lithographize
lithographs
lithography
lithogravure
lithoid
lithoidal
lithoidite
lithoing
lithol
litholabe
litholapaxy
litholatrous
litholatry
lithologic
lithological
lithologically
lithologist
lithology
litholysis
litholyte
litholytic
lithomancy
lithomarge
lithometeoro
lithometer
lithonephria
lithonephritis
lithonephrotomies
lithonephrotomy
lithontriptic
lithontriptist
lithontriptor
lithopaedion
lithopaedium
lithopedion
lithopedium
lithophagous
lithophane
lithopanic
lithophany
lithophile
lithophilous
lithophone
lithophotography
lithophotogravure
lithophthisis
lithophyl
lithophyll
lithophyllous
lithophysa
lithophysae
lithophysal
lithophyte
lithophytic
lithophytous
lithopone
lithoprint
lithoprinter
lithos
lithoscope
lithosere
lithosian
lithosiid
lithosis
lithosol
lithosols
lithosperm
lithospermon
lithospermous
lithosphere
lithospheric
lithotint
lithotome
lithotomic
lithotomical
lithotomies
lithotomist
lithotomize
lithotomous
lithotomy
lithotony
lithotresis
lithotripsy
lithotriptor
lithotrite
lithotritic
lithotrities
lithotritist
lithotritor
lithotritry
lithotype
lithotyped
lithotypic
lithotyping
lithotypy
lithous
lithoxyl
lithoxyle
lithoxylite
lithsman
lithuania
lithuanian
lithuanians
lithuresis
lithuria
lithy
liti
liticontestation
litigable
litigant
litigants
litigate
litigated
litigates
litigating
litigation
litigationist
litigations
litigator
litigators
litigatory
litigiosity
litigious
litigiously
litigiousness
litiscontest
litiscontestation
litiscontestational
litmus
litmuses
litoral
litorinoid
litotes
litra
litre
lites
lit
litster
litten
litter
litterateur
litterateurs
litteratim
litterbag
litterbug
litterbugs
littered
litterer
litterers
littering
littermate
littermates
litters
litty
little
littleleaf
littleneck
littlenecks
littleness
liveborn
lived
livedo
livelier
liveliest
livelyhead
livelihood
livelihoods
livelily
liveliness
livelong
lively
liven
livened
livener
liveners
liveness
livenesses
livening
livens
liver
liverance
liverberries
liverberry
livered
liverhearted
liverheartedness
liveried
liveries
livering
liverish
liverishness
liverleaf
liverleaves
liverless
liverpool
liverpuddian
livers
liverwort
liverworts
liverwurst
liverwursts
livery
liverydom
liveryless
liveryman
liverymen
lives
loadstones
loadum
loaf
loafed
loafer
loaferdom
loaferish
loafers
loafting
loafingly
loaflet
loafs
loaghtan
loaiasis
loam
loamed
loamier
loamiest
loamily
loaminess
loaming
loamless
loams
loamy
loan
loanable
loanblend
loaned
loaner
loaners
loange
loanin
loaning
loanings
loanmonger
loans
loanshark
loansharking
loanshift
loanword
loanwords
loasaceous
loath
loathe
loathed
loather
loathers
loathes
loathful
loathfully
loathfulness
loathing
loathingly
loathings
loathliness
loathly
loathness
loathsome
loathsomely
loathsomeness
loathy
loave
loaves
lob
lobal
lobar
lobate
lobated
lobately
lobation
lobations
lobbed
lobber
lobbers
lobbied
lobbies
lobbing
lobbish
lobby
lobbyer
lobbyers
lobbygow
lobbygows
lobbying
lobbyism
lobbyisms
lobbyist
lobbyists
lobbyman
lobbymen
lobcock
lobcokt
lobe
lobe's
lobectomies
lobectomy
lobed
lobefin
lobefins
lobefoot
lobefooted
lobefoots
lobeless
lobelet
lobelia
lobeliaceous
lobelias
lobelin
lobeline
lobelines
lobellated
lobes
lobfig
lohi
lobiform
lobigerous
lobing
lobiped
lohlollies
lohlolly
lobo
lobola
lobolo
lobolos
lobopodium
lobos
lobose
lobotomies
lobotomize
lobotomized
lobotomizing
lobotomy
lobs
lobscourse
lobscouse
lobscouser
lobsided
lobster
lobster's
lobstering
lobsterish
lobsterlike
lobsterman
lobsterproof
lobsters
lobstick
lobsticks
lobtail
lobular
lobularly
lobulate
lobulated
lobulation
lobule
lobules
lobulette
lobuli
lobulose
lobulous
lobulus
lobus
lobworm
lobworms
loc
loca
locable
local
locale
localed
locales
localing
localisable
localisation
localise
localised
localiser
localises
localising
localism
localisms
localist
localistic
localists
localite
localites
localities
locality
locality's
localizable
localization
localizations
localize
locksmiths
lockspit
lockstep
locksteps
lockstitch
lockup
lockup's
lockups
lockwork
locky
lockyer
loen
loco
locodescriptive
locoed
locoes
locofoco
locofocos
locingo
locois
locoisms
locoman
locomobile
locomobility
locomote
locomoted
locomotes
locomotility
locomoting
locomotion
locomotive
locomotive's
locomotively
locomotiveman
locomotivemen
locomotiveness
locomotives
locomotivity
locomotor
locomotory
locomutation
locos
locoweed
locoweeds
loculament
loculamentose
loculamentous
locular
loculate
loculated
loculation
locule
loculed
locules
loculi
loculicidal
loculicidally
loculose
loculous
loculus
locum
locums
locuplete
locupletely
focus
locusca
locust
locust's
locusta
locustae
locustal
locustberry
locustelle
locustid
locusting
locustlike
locusts
locution
locutionary
locutions
locutor
locutoria
locutories
locutorium
locutorship
locutory
locuttoria
lod
lode
lodeman
lodemanage
laden
lodens
lodes
lodesman
lodesmen
lodestar
lodestars
lodestone
lodestuff
lodge
lodgeable
lodged
lodgeful
lodgeman
lodgement
lodgements
lodgepole
lodger
lodgerdom
lodgers
lodges
lodging
lodginghouse
lodgings
lodgment
lodgments
lodicula
lodicule
lodicules
lo
loed
loeil
loeing
loellingite
loess
loessal
loesses
loessial
loessic
loessland
loessoid
lof
lofstelle
loft
loft's
lofted
lofter
lofters
loftier
loftiest
loftily
loftiness
lofting
loftless
loftman
loftmen
lofts
loftsman
loftsmen
lofty
log
log’s
logan
loganberries
loganberry
loganiaceous
loganin
logans
logaoedic
logarithm
logarithm’s
logarithmal
logarithmetic
logarithmetical
logarithmetically
logarithmic
logarithmical
logarithmically
logarithmomancy
logarithms
logbook
logbooks
logchip
logcock
loge
logeta
logeion
loges
logeum
loggat
loggats
logged
logger
logger’s
loggerhead
loggerheaded
loggerheads
loggers
logget
loggets
loggia
logomachs
togomacy
togomancy
togomania
togomaniac
togometer
togometric
togometrical
togometrically
togopaedics
togopedia
togopedic
togopedics
togophobias
togorrhea
togorrhieic
togorrhoea
togos
togothete
togotype
togotypes
togotypies
togotypho
togout
togperch
togperches
togroll
togrolled
togroller
togrolling
togrolls
togs
togship
togway
togways
togwise
togwood
togwoods
togwork
togy
tohan
tohan
tohan
tohan
tohan
tohan
tohan
loiasis
loimic
loimography
loimology
loin
loin's
loincloth
loinclothes
loincloths
loined
loinguard
loins
loir
loiter
loitered
loiterer
loiterers
loitering
loiteringly
loiteringness
loiters
loka
lokacara
lokao
lokaose
lokapala
loke
lokelani
loket
loki
lokiec
lokshen
loli
loll
lollapaloosa
lollapalooza
lollard
lolled
loller
lollers
lollies
lolling
lollingite
lollingly
lollipop
lollipops
lollup
lolloped
lolloping
lollops
lollopy
lolls
lonesomes
long
longa
longacre
longan
longanamous
longanimities
longanimity
longanimous
longans
longbeak
longbeard
longbill
longboat
longboats
longbow
longbowman
longbows
longcloth
longe
longear
longed
longee
longeing
longer
longeron
longerons
longers
longes
longest
longeval
longeve
longevities
longevity
longevous
longfelt
longfin
longful
longhair
longhaired
longhairs
longhand
longhands
longhead
longheaded
longheadedly
longheadedness
longheads
longhorn
longhorns
longhouse
longicaudal
longicaudate
longicone
longicorn
longies
longilaterial
longilingual
longique
longique
longicon
longier
longing
longingly
longingness
longings
longinquity
longipennate
longipennine
longirostral
longirostrate
longirostrine
longissection
longish
longitude
longitude's
longitudes
longitudianl
longitudinal
longitudinally
longjaw
longjaws
longleaf
longleaves
longleg
longlegs
longlick
longline
longliner
longlinerman
longlinermen
longlines
longly
longmouther
longneck
lonicera
lonouhard
lonquhard
lontar
loo
loob
loobies
loobily
looby
loobyish
looch
lood
lood ed
looe y
looeys
loof
loofa
loofah
loofahs
loofas
loofie
loofness
loofs
loos e
lookies
loooing
look
lookahead
lookdown
lookdowns
looked
lookee
look er
look ers
looking
lookout
look outs
looks
lookum
lookup
lookup's
lookups
looky
loom
loomed
loomer
loom ery
loomfixer
looser
looses
loosest
loosestrife
loosing
loosish
loot
lootable
looted
looten
looter
looters
lootie
lootiewallah
looting
loots
lootsman
lootsmans
loover
lop
lope
loped
loperman
loper
lopers
lopes
lopeskonce
loheavy
lophiid
lophin
lophine
lophiodont
lophiodontoid
lophiostomate
lophiostomous
lophobranch
lophobranchiate
lophocalthrops
lophocercal
lophodont
lophoral
lophophoral
lophophore
lophophorine
lophophytosis
lophostea
lophosteon
lophosteons
lophotriaene
lophotrichic
lophotrichous
loping
lopolith
loppard
lopped
lopper
loppered
lopperer
loppiest
lopping
loppy
lops
loppseed
lopsided
lopsidedly
lopsidedness
loptick
lopticks
loq
loquacious
loquaciously
loquaciousness
loquacies
loquacity
loquat
loquats
loquence
loquency
loquent
loquently
loquitur
lor
lor'
lora
loral
loran
lorandite
lorans
loranskite
loranthaceous
lorarri
lorarius
lorate
lorcha
lord
lordan
lorded
lording
lordings
lordkin
lordless
lordlet
lordlier
lordliest
lordlike
lordlily
lordliness
lordling
lordlings
lordly
lordolatry
lordoma
lordomas
lordoses
lordosis
lordotic
lords
lordship
lordships
lordswike
lordwood
lordy
lore
loreal
lored
lorel
lorelei
loreless
loren
lorenzenite
lores
loretin
lorettoite
lorgnette
lorgnettes
lorgnon
lorgnons
lori
loric
lorica
loricae
loricarian
loricarioid
loricate
loricated
loricating
lorication
loricoid
lories
lorikeet
lorikeets
lorilet
lorimer
lorimers
lorinner
lorinners
loring
loriot
loris
lorises
lorisiform
lormery
lorn
lornness
lornnnesses
loro
loros
lorries
lorriker
lorry
lors
lorum
lory
losable
losableness
losang
lose
losel
loselism
loselry
losels
losenger
loser
losers
loses
losh
losing
losingly
losings
lousing
louster
lousy
lout
louted
louter
louther
louting
loutish
loutishly
loutishness
loutré
loutrophoroi
loutrophoros
louts
louty
louvar
louver
louvered
louvering
louvers
louverwork
louvre
louvred
louvres
lovability
lovable
lovableness
lovably
lovage
lovages
lovanenty
lovat
love
loveability
loveable
loveableness
loveably
lovebird
lovebirds
loved
loveday
lovec
loveflower
loveful
lovegrass
lovehood
lovelass
loveless
lovelessly
lovelessness
lovelier
lovelies
loveliest
lovelihead
lovelily
loveliness
loveling
lovelock
lovelocks
lovelorn
lovelornness
lovely
lovemaking
loveman
lovemans
lovemate
lovemonger
lovepot
loveproof
lover
loverdom
lovered
loverhood
lovering
loverless
loverlike
loverliness
loverly
lovers
lovership
loverwise
lovery
loves
lovesick
lovesickness
lovesome
lovesomely
lovesomeness
lovevine
lovevines
loveworth
loveworthy
lovey
lovier
loviers
loving
lovingkindness
lovingly
lovingness
low
iowa
lowable
lowan
lowance
lowball
lowbell
lowborn
lowboy
lowboys
lowbred
lowbrow
lowbrowism
lowbrows
lowdah
lowder
lowdown
lowdowns
lowe
lowed
loweite
lower
lowerable
lowercase
lowerclassman
lowerclassmen
lowered
lowerer
lowering
loweringly
loweringness
lowermost
lowers
lowery
lowes
lowest
lowigite
lowing
lowings
lowish
lowishly
lowishness
lowland
lowlander
lowlanders
lowlands
lowlier
lowliest
lowlife
lowlifer
lowlifes
lowlilhead
lowlihood
lowlily
lowliness
lowly
lowman
lownen
lownest
lown
lowness
lownesses
lownly
lowrie
lowry
lows
louese
lowsed
lowsen
lowsenst
lowsin
lowsing
lowth
lowwood
lowy
lox
loxed
loxes
loxia
loxic
loxing
loxoclase
loxocosm
loxodograph
loxodont
loxodontous
loxodrome
loxodromic
loxodromical
loxodromically
loxodromics
loxodromism
lucerne
lucernes
lucerns
luces
lucet
lucia
lucian
lucible
lucid
lucida
lucidae
lucidities
lucidity
lucidly
lucidness
lucifee
lucifer
luciferase
luciferian
luciferin
luciferoid
luciferous
luciferously
luciferousness
lucifers
lucific
luciform
lucifugal
lucifugous
lucigen
lucille
lucimeter
lucina
lucinoid
lucite
lucivee
luck
lucked
lucken
luckful
luckie
luckier
luckier
luckiest
luckily
luckiness
luckling
luckless
lugsome
lugubriosity
lugubrious
lugubriously
lugubriousness
lugubrous
lugworm
lugworms
luhinga
luigini
luigino
lujaaurite
lujavrite
lujula
lukan
luke
lukely
lukemia
lukeness
luket
lukeward
lukewarm
lukewarmish
lukewarmly
lukewarmness
lukewarmth
lulab
lulabim
lulabs
lulav
lulavim
lulavs
lull
lullabied
lullabies
lullaby
lullabying
lullay
lulled
luller
lulliloo
lullilooed
lullilooing
lulling
lullingly
lulls
lully
lulu
luminous
luminously
luminousness
lumisterol
lumme
lummox
lummoxes
lummy
lump
lumpectomy
lumped
lumped
lumproletariat
lumpens
lumper
lumpers
lumpet
lumpfish
lumpishes
lumpier
lumpiest
lumpy
lumpiness
lumping
lumpingly
lumpish
lumpishly
lumpishness
lumpkin
lumpman
lumpmen
lumps
lumpsucker
lumpy
lums
lumut
luna
lunacies
lunacy
lunambulism
lunar
lunare
lunaria
lunarian
lunarians
lunarist
lunarium
lunars
lungees
lungeous
unger
ungers
unges
lungfish
lungfishes
lungflower
lungful
ungi
ungie
unging
ungis
ungless
lungmotor
ungoor
lungs
lungsick
lungworm
lungworms
lungwort
lungworts
lungy
lungyi
lungyis
lunicurrent
lunier
lunies
luniest
luniform
lunisolar
lunistice
lunistitial
lunitidal
lunk
lunker
lunkers
lunkhead
lunkheaded
lunkheads
lunks
lunn
lunoid
lunt
lunited
lunting
lunts
lunula
lunulae
lunular
lunulate
lunulated
lunule
lunules
lunulet
lunulite
luny
lunyie
lupanar
lupanarian
lupanars
lupanin
lupanine
lupe
lupeol
lupeose
lupercal
lupercalia
lupetidin
lupetidine
lupicide
lupiform
lupin
lupinaster
lupine
lupines
lupinin
lupinine
lupinosis
lupinous
lupins
lupis
lupoid
lupoma
lupous
lupolic
lupulin
lupuline
lupulinic
lupulinous
lupulins
lupulinum
lupulone
lupulus
lupus
lupuserythematosus
lupuses
lur
lura
luracan
lural
lurch
lurched
lurcher
lurchers
lurches
lurching
lurchingly
lurchingfully
lurchingly
lurchline
lurdan
lurdane
lurdanes
lurdanism
lurdans
lure
lured
lureful
lurement
lurer
lurers
lures
luresome
lurg
lurgworm
lurid
luridity
luridly
luridness
luring
luringly
lurk
lurked
lurker
lurkers
lurking
lurkingly
lurkingness
lurks
lurky
lurrier
lurries
lurry
luscious
lusciously
lusciousness
luser
lush
lushburg
lushed
lusher
lushes
lushest
lushier
lushiest
lushing
lushly
lushness
lushnesses
lushy
lusitanian
lusk
lusky
lusory
lust
lusted
luster
lustered
lusterer
lustering
lusterless
lusterlessness
lusters
lusterware
lustful
lustfully
lustfulness
lustick
lustier
lustiest
lusihead
lustihood
lustily
lustinness
lusting
lustless
lusty
lustra
lustral
lustrant
lustrate
lustrated
lustrates
lustrating
lustration
lustrational
lustrative
lustratory
lustre
lustred
lustreless
lustres
lusteware
lustrical
lustrification
lustrify
lustrine
lustering
lustrings
lustrous
lustrously
lustrousness
lustrum
lustrums
lusts
lusty
lusus
lususes
lut
lutaceous
lutanist
lutanists
lutany
lutarious
lutation
lute
lute's
lutea
luteal
lutecia
lutecium
luteciums
luted
luteic
lutein
luteinization
luteinize
luteinized
luteinizing
luteins
lutelet
lutemaker
lutemaking
lutenist
lutenists
lute
luteocobaltic
luteofulvous
luteofuscescent
luteofuscous
luteolin
luteolins
luteolous
luteoma
luteorufescent
luteotrophic
luteotrophin
luteotropic
luteotropin
luteous
luteovirescent
luter
lutes
lutescent
lustrestring
lutetium
lutetiums
lutetum
luteway
luttfisk
luther
lutheran
lutheranism
lutherans
lutherism
luthern
lutherns
luthier
lutianid
lutianoid
lutidin
lutidine
lutidinic
luting
lutings
lutist
lutists
lutose
lutrin
lutrine
lutulence
lutilent
lux
luxate
luxated
luxates
luxating
luxation
luxations
luxe
luxembourg
luxemburg
luses
luxive
luxulianite
luxullianite
luxuria
luxuriance
luxuriancy
luxuriant
luxuriantly
luxuriantness
luxuriate
luxuriated
luxuriates
luxuriating
luxuriation
luxurient
luxuries
luxuriety
luxurious
luxuriously
luxuriousness
luxurist
luxurity
luxury
luxury's
luxus
lv
lvalue
lvalues
lvov
lw1
lwm
lwop
lwp
lycorine
lycosid
lyctid
lyddite
lyddites
lydian
lydite
lye
lyencephalous
lyery
lyes
lyfkie
lygaeid
lygus
lying
lyingly
lyings
lyken
lykewake
lym
lymantriid
lymphangiophlebitis
lymnaean
lymnaeid
lymph
lymphad
lymphadenectasia
lymphadenectasis
lymphadenia
lymphadenitis
lymphadenoid
lymphadenoma
lymphadenomas
lymphadenomata
lymphadenome
lymphadenopathy
lymphadenosis
lymphaemia
lymphagogue
lymphangitis
lymphangial
lymphangiectasis
lymphangiectatic
lymphangiectodes
lymphangiitis
lymphangioendothelioma
lymphangiofibroma
lymphangiology
lymphangioma
lymphangiomas
lymphangiomatous
lymphangioplasty
lymphangiosarcoma
lymphangiotomy
lymphangitic
lymphangitides
lymphangitis
lymphatic
lymphatical
lymphatically
lymphation
lymphatism
lymphatitides
lymphatolysin
lymphatolysis
lymphatolytic
lymphectasia
lymphedema
lymphemia
lymphenteritis
lymphoadenoma
lymphoblast
lymphoblastic
lymphoblastoma
lymphoblastosis
lymphocele
lymphocyst
lymphocystosis
lymphocyte
lymphocytes
lymphocytemia
lymphocytic
lymphocytoma
lymphocytomatosis
lymphocytosis
lymphocytotic
lymphocytotoxin
lymphodermia
lymphoduct
lymphoedema
lymphogenic
lymphogenous
lymphoglandula
lymphogranuloma
lymphogranulomas
lymphogranulomata
lymphogranulomatosis
lymphogranulomatous
lymphographic
lymphography
lymphoid
lymphoidectomy
lymphoidocyte
lymphology
lymphoma
lymphomas
lymphomata
lymphomatoid
lymphomatosis
lymphomatous
lymphomonocyte
lymphomyxoma
lymphopathy
lymphopenia
lymphopenial
lymphopoieses
lymphopoiesis
lymphopoietic
lymphoprotease
lymphorrhage
lymphorrhagia
lymphorrhagic
lymphorrhea
lymphosarcoma
lymphosarcomas
lymphosarcomatosis
lymphosarcomatous
lymphosporidiosis
lymphostasis
lymphotaxis
lymphotome
lymphotomy
lymphoxemia
lymphotoxin
lymphotrophic
lymphotrophy
lymphous
lymphs
lymphuria
lymphy
lyn
lyncean
lynch
lynchable
lynched
lyncher
lynchers
lynches
lynchet
lynching
lynchings
lyncine
lynn
lynnhaven
lynx
lynx's
lynxes
lynxlike
lyocratic
lyolysis
lyolytic
lyomerous
lyon
lyonetiid
lyonnaise
lyonnesse
lyophil
lyophile
lyophiled
lyophilic
lyophilization
lyophilize
lyophilized
lyophilizer
lyophilizing
lyophobe
lyophobic
lyopomatous
lyotrope
lyotropic
lypemania
hypothyemia
lyra
lyraid
lyrate
lyrated
lyrately
lyraway
lyre
lyrebird
lyrebirds
lyreflower
lyreman
lyres
lyretail
lyric
lyrical
lyrically
lyricalness
lyrichord
lyricisation
lyricise
lyricised
lyricises
lyricising
lyricism
lyricisms
lyricist
lyricists
lyricization
lyricize
lyricized
lyricizes
lyricizing
lyricked
lyricking
lyrics
lyrid
lyriform
lyrism
lyrisms
lyrist
lyrists
lys
lysate
lysates
lyse
lysed
lysenkoism
lysergic
lyses
lysidin
lysidine
lysigenic
lysigenous
lysigenously
lysimeter
lysimetric
lysin
mab
mabelle
mаб
mabella
mаби
mabolо
mabuti
mабьер
mac
macaasim
macaber
macabi
macaboy
macabre
macabrely
macabreness
macabresque
macaco
macacos
macacus
macadam
macadamer
macadamia
macadamise
macadamite
macadamization
macadamize
macadamized
macadamizer
macadamizes
macadamizing
macadams
macague
macan
macana
macao
macaque
macaques
macarism
macarize
macarized
macarizing
macaron
macaroni
macaronic
macaronical
macaronically
macaronicism
macaronics
macaronies
macaronis
macaronism
macaroon
macaroons
macartney
macassar
macauco
macaviator
macaw
macaws
macbeth
maccabaw
maccabaws
maccabean
maccabees
maccaboy
maccaboys
maccaroni
macchia
macchie
macchinetta
macclesfield
macco
maccoboy
maccoboys
maccus
mace
macebearer
maced
macedoine
macedon
macedonia
macedonian
macedonians
macehead
macellum
maceman
macer
macerable
macerate
macerated
macerater
maceraters
macerates
macerating
maceration
macerative
machineless
machine-like
machinely
machineman
machinemen
machinemonger
machiner
machineries
machinery
machines
machinification
machinify
machining
machinism
machinist
machinists
machinization
machinize
machinized
machinizing
machinoclast
machinofacture
machinotechnique
machinule
machismo
machismos
machmeter
macho
machopolyp
machos
machree
machrees
machs
machtpolitik
machzor
machzorim
machzors
macies
macilence
macilency
macilent
macing
macintosh
macintoshes
mack
mackallow
mackaybean
mackenboy
mackerel
mackereler
mackereling
mackerels
mackinaw
mackinawed
mackinaws
mackinboy
mackins
mackintosh
mackintoshed
mackintoshes
mackintoshite
mackle
mackled
mackles
macklike
mackling
macks
macle
macled
macles
maclib
maclurin
maco
macoma
maconite
maconne
macquereau
macracanthrorhynchiasis
macradenous
macram
macrame
macrames
macrandre
macrandrous
macrauchene
macraucheniiid
macraucheniiiform
macrauchioid
macrencephalic
macrencephalous
macrencephaly
macrli
macro
macro's
macroaggregate
macrocyst
macrocystic
macrocysto- 
macrocystosis
macrocyte
macrocyanosis
macrocythemia
macrocaryotic
macrocaryosis
macrodactyl
macrodactylia
macrodactylic
macrodactylism
macrodactylous
macrodactyly
macrodiagonal
macrodomatic
macrodome
macrodont
macrodontia
macrodontic
macrodontism
macroeconomic
macroeconomics
macroelement
macroergate
macroevolution
macroevolutionary
macrofarad
macrofossil
macrogamete
macrogametocyte
macrogamy
macrogastria
macroglobulin
macroglobulinemia
macroglobulinemic
macroglossate
macroglossia
macroglossic
macroglossic
macronomastic
macronomastia
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic
macronomastic

macrolinguistically
macrolinguistics
macrolith
macrology
macromandibular
macromania
macromastia
macromazia
macromelia
macromeral
macromere
macromeric
macromerite
macromeritic
macromesentery
macrometeorological
macrometeorology
macrometer
macromethod
macromole
macromolecular
macromolecule
macromolecule's
macromolecules
macromyelon
macromyelonal
macron
macrons
macronuclear
macronucleate
macronucleus
macronutrient
macropetalous
macrophage
macrophagic
macrophagocyte
macrophagus
macrophotograph
macrophotography
macrophyllous
macrophysics
macrophyte
macrophytic
macropia
macropinacoid
macropinacoidal
macroplankton
macroplasia
macroplastia
macroleural
macropod
macropodia
macropodian
macropodine
macropodous
macropism
macroprocessor
macroprosopia
macropsia
macropsy
macropteran
macropterous
macroptery
macroptic
macropyramid
macroleaction
macrorhinia
macros
macroscale
macroscelia
macroscian
macroscopic
macroscopical
macroscopically
macrosegment
macroseism
macroseismic
macroseismograph
macrosepalous
macroseptum
macrosmatic
macrosomatia
macrosomatous
macrosmomia
macrospecies
macrosphere
macrosplanchnic
macrosporangia
macrosporangium
macrospore
macrosporic
macrosporophore
macrosporophyll
macrosporangia
macrostomatous
macrostomia
macrostructural
macrostructure
macrostyle
macrostylospore
macrostylous
macrosymbiont
macrothere
macrotherioid
macrotherm
macrotia
macrotin
macrotome
macrotone
macrotous
macrourid
macrozoogonidium
macrozoospore
macrura
macrural
macruran
macrurans
macruroid
macrurous
macs
mactation
mactroid
macuca
macula
maculacy
maculae
macular
maculas
maculate
maculated
maculates
maculating
maculation
maculations
macule
maculed
macules
maculicolous
maculiferous
maculing
maculocerebral
maculopapular
maculose
macumba
macupa
macupi
macushla
macuta
macute
mad
madafu
madagascar
madagass
madam
madame
madames
madams
madapolam
madapolan
madapollam
madarosis
madarotic
madbrain
madbrained
madcap
madcaply
madcaps
madded
madden
maddened
maddening
maddeningly
maddeningness
maddens
madder
madderish
madders
madderwort
maddest
madding
maddingly
maddish
maddle
maddled
maddock
made
madefaction
madefy
madeira
madeiras
madeleine
madeline
mademoiselle
mademoiselles
madescent
madge
madhab
madhouse
madhouses
madhuca
madia
madid
madidans
madison
madisterium
madling
madly
madman
madmen
madnep
madness
madnesses
mado
madonna
madonnas
madoqua
madrague
madras
madrasah
madrases
madrassah
madrasseh
madre
madreline
madreperl
madreporacean
madreporal
madreporarian
madrepore
madreporian
madreporic
madreporiform
madreporite
madreporitic
madres
madrid
madrier
madrigal
madrigaler
madrigalesque
madrigaletto
madrigalian
madrigalist
madrigals
madrih
madril
madrilene
madroa
madrona
madronas
madrone
madrones
madrono
madronos
mads
madship
madstone
madtom
maduro
maduros
madweed
madwoman
madwomen
madwort
madworts
madzoon
madzoons
mae
maeander
maeandrine
maeandriniform
maeandrinoid
maeandroid
maecenas
maed
maegbot
maegbote
maeing
maelstrom
maelstroms
maenad
maenades
maenadic
maenadically
maenadism
maenads
maenaite
magazinist
magaziny
magbote
magdalen
magdalene
magdalenes
magdalenian
magdalens
magdaleon
mage
magellan
magenta
magentas
magerful
mages
magged
maggie
maggling
maggiore
maggle
maggot
maggot's
maggotiness
maggotpie
maggotry
maggots
maggoty
maghzen
magi
magian
magianism
magic
magical
magicalize
magically
magicdom
magician
magician's
magicians
magicianship
magicked
magicking
magics
magilp
magilps
magiric
magirics
magirist
magiristic
magirological
magirologist
magirology
magism
magister
magisterial
magisteriality
magisterially
magisterialness
magisteries
magisterium
magisters
magistry
magistracies
magistracy
magistral
magistrality
magistrally
magistrand
magistrant
magistrate
magistrate's
magistrates
magistrateship
magistratic
magistratical
magistratically
magistrative
magistrature
magistratus
magma
magnas
magnata
magmatic
magmatism
magna
magnale
magnality
magnалиum
magnanerie
magnanime
magnanimites
magnanimity
magnanimous
magnanimously
magnanimousness
magnascope
magnascopic
magnate
magnates
magnateship
magnecrystallic
magnelectric
magneoptic
magnes
magnesia
magnesimal
magnesian
magnesias
magnesic
magnesioferrite
magnesite
magnesium
magnet
magneta
magnetic
magnetical
magnetically
magneticalness
magnetician
magnetics
magnetiferous
magnetification
magnetify
magnetimeter
magnetisation
magnetise
magnetised
magnetiser
magnetising
magnetism
magnetism's
magnetisms
magnetist
magnetite
magnetitic
magnetizability
magnetizable
magnetization
magnetize
magnetized
magnetizer
magnetizers
magnetizes
magnetizing
magneto
magnetobell
magnetochemical
magnetochemistry
magnetod
magnetodynamo
magnetoelectric
magnetoelectrical
magnetoelectricity
magnetofluiddynamic
magnetofluiddynamics
magnetofluidmechanic
magnetofluidmechanics
magnetogasdynamic
magnetogasdynamics
magnetogenerator
magnetogram
magnetograph
magnetographic
magnetohydrodynamic
magnetohydrodynamically
magnetohydrodynamics
magnetoid
magnetolysis
magnetomachine
magnetometer
magnetometers
magnetometric
magnetometrical
magnetometrically
magnetometry
magnetomotive
magnetomotivity
magnetomotor
magneton
magnetons
magnetooptic
magnetooptical
magnetooptically
magnetooptics
magnetopause
magnetophone
magnetophonograph
magnetoplasmadynamic
magnetoplasmadynamics
magnetoplumbite
magnetoprinter
magnetoresistance
magnetos
magnetoscope
magnetosphere
magnetospheric
magnetostatic
magnetostriiction
magnetostriictive
magnetostriictively
magnetotelegraph
magnetophone
magnetophonec
magnetotherapy
magnetothermoelectricity
magnetotransmitter
magnetron
magnets
magnicaudate
magnicaudatous
magnifiable
magnific
magnifical
magnifically
magnificat
magnificate
magnification
magnifications
magnificative
magnifice
magnificence
magnificent
magnificently
magnificentness
magnifico
magnificoes
magnificos
magnified
magnifier
magnifiers
magnifies
magnifique
magnify
magnifying
magniloquence
magniloquent
magniloquently
magniloquy
magnipotence
magnipotent
maharanee
maharani
maharanis
maharao
maharawal
maharawat
maharishi
maharishis
maharmah
maharshi
mahat
mahatma
mahatmaism
mahatmas
mahayana
mahayanist
mahbub
mahdi
mahdism
mahewu
mahican
mahimahi
mahjong
mahjongg
mahjonggs
mahjongs
mahlstick
mahmal
mahmudi
mahoe
mahoes
mahoganies
mahoganize
mahogany
mahagonies
mahogany
mahoiitre
maholi
maholtine
mahomet
mahometan
mahometry
mahone
mahonia
mahonias
mahound
mahout
mahouts
mahratta
mahseer
mahsir
mahsur
mahu
mahua
mahuang
mahuangs
mahwa
mahzor
mahzorim
mahzors
maid
maidan
maidchild
maiden
maidenchild
maidenhair
maidenhairs
maidenhairtree
maidenhead
maidenheads
maidenhood
maidenish
maidenism
maidenlike
maidenliness
maidenly
maidens
maidenship
maidenweed
maidhead
maidhood
maidhoods
maidin
maidish
maidishness
maidism
maidkin
maidlike
maidling
maidly
maids
maidservant
maidservants
maidly
maiefic
maieutic
maimon
main
mainbrace
maine
mainferre
mainframe
mainframe's
mainframes
mainland
mainlander
mainlanders
mainlands
mainline
mainlined
mainliner
mainliners
mainlines
mainlining
mainly
mainmast
mainmasts
mainmortable
mainor
mainour
mainpast
mainpernable
mainpernor
mainpin
mainport
mainpost
mainprise
mainprised
mainprising
mainprisor
mainprize
mainprizer
mains
mainsail
mainsails
mainsheet
mainspring
mainsprings
mainstay
mainstays
mainstream
mainstreams
mainswear
mainsworn
maint
maintain
maintainability
maintainable
maintainableness
maintained
maintainer
maintainers
maintaining
maintainment
maintainor
maintains
maintenance
maintenance's
maintenances
maintenon
maintien
maintop
maintopman
maintopmast
maintopmen
maintops
maintopsail
mainward
maioi
maioidean
maiolica
maiolicas
mair
mairatour
maire
mairie
mairs
maison
maisonette
maisonettes
maist
maister
maistres
maistry
maists
maithuna
maitlandite
maître
maîtres
maîtresse
maitrise
maize
maizebird
maizenic
maizer
maizes
majagua
majaguas
majas
majestic
majestatic
majestatis
majestic
majestical
majestically
majesticalness
majesticness
majesties
majesticous
majesty
majesty's
majestyship
majeure
majidieh
majo
majolica
majolicas
majolist
majoon
major
majora
majorat
majorate
majoration
majordomo
majordomos
majored
majorem
majorette
majorettes
majoring
majoritarian
majoritarianism
majorities
majority
majority's
majorize
majors
majorship
majos
majusculae
majuscular
majuscule
majuscules
makable
makadoo
makahiki
makale
makar
makara
makars
makatea
make
makeable
makebate
makebates
makedom
makefast
makefasts
makefile
makeless
maker
makeready
makeress
makers
makership
makes
makeshift
makeshiftiness
makeshiftiness
makeshifts
makeshifty
makeup
makeups
makeweight
makework
makhorka
makhzan
makhzen
maki
makimono
makimono
makimono
making
makings
makluk
mako
makomako
malandrous
malanga
malapaho
malapert
malapertly
malapertness
malaperts
malapi
malapplication
malappointment
malapportioned
malapportionment
malappropriate
malappropriation
malaprop
malpropian
malapropish
malapropism
malapropisms
malapropoism
malaprops
malar
malaria
malarial
malarian
malariaproof
malarias
malarin
malaroid
malarologist
malariology
malariotherapy
malarious
malarkey
malarkeys
malarkies
malarky
malaroma
malaromas
malarrangement
malars
malasapsap
malassimilation
malassociation
malate
malates
malathion
malati
malattress
malawi
malawians
malax
malaxable
malaxage
malaxate
malaxation
malaxator
malaxed
malaxerman
malaxermen
malaxing
malay
malaya
malayalam
malayan
malayans
malays
malaysia
malaysian
malaysians
malbehavior
malbrouck
malchite
malconceived
malconduct
malconformation
malconstruction
malcontent
malcontented
malcontentedly
malcontentedness
malcontentism
malcontently
malcontentment
malcontents
malconvenience
malcreated
malcultivation
maldeveloped
maldevelopment
maldigestion
maldirection
maldistribute
maldistribution
maldocchio
maldonite
malduck
male
male's
maleability
malease
maleate
maleates
maleberry
maledicent
maledict
maledicted
maledicting
malediction
maledictions
maledictive
maledictory
maledicts
maleducation
malee
malefaction
malefactions
malefactor
malefactor's
malefactors
malefactory
malefactress
malefactresses
malefeazance
malefic
malefical
malefically
malefice
maleficence
maleficient
maleficiently
maleficia
maleficial
maleficiate
maleficiation
maleficio
maleficium
maleic
maleinoid
maleinoidal
malella
malellae
malemiut
malice
maliceful
maliceproof
malices
malicho
malicious
maliciously
maliciousness
malicorium
malidentification
malie
maliferous
maliform
malign
malignance
malignancies
malignancy
malignant
malignantly
malignation
maligned
maligner
maligners
malignified
malignify
malignifying
maligning
malignities
malignity
malignly
malignment
maligns
malihini
malihinis
malik
malikadna
malikala
malikana
malikzadi
malimprinted
malinche
maline
malines
malinfluence
maligner
malingered
malignerer
malignerers
malleiform
mallein
malleinization
malleinize
malleli
mallemaroking
mallemuck
mallender
mallenders
malleoincudal
malleolar
malleoli
malleolus
mallet
mallet's
malleted
malleting
mallets
malleus
malling
mallophagan
mallophagous
malloseismic
mallow
mallows
mallowwort
malls
mallum
mallus
malm
malmag
malmaison
malmarsh
malmed
malmier
malmihest
malmignatte
malming
malmock
malms
malmsey
malmseys
malmstone
malmyn
malmnourished
malnourishment
malnutrite
malnutrition
malo
malobservance
malobservation
maloca
malocchio
maloccluded
malocclusion
malocclusions
malodor
malodorant
malodorous
malodorously
malodorousness
malodors
malodour
malojilla
malolactic
malonate
malonic
malonyl
malonylurea
maloperation
malorganization
malorganized
malouah
malpais
malpighiaceous
malpighian
malplaced
malpoise
malposed
malposition
malpractice
malpracticed
malpracticing
malpractitioner
malpractitioner
malpraxis
malpresentation
malproportion
malproportioned
malpropriety
malpublication
malreasoning
malrotation
malshapen
malsworn
malt
malta
maltable
maltalent
maltase
maltases
malted
malted
malter
maltese
maltha
malthas
malthene
malthite
malthouse
malthus
malthusian
malthusianism
maltier
maltiest
maltine
maltiness
malting
maltman
maltobiose
maltodextrin
maltodextrine
maltol
maltols
maltolite
maltose
maltoses
maltreat
maltreated
maltreating
maltreatment
maltreatments
maltreator
maltreats
malts
maltster
maltsters
maltturned
maltworm
malty
malum
malunion
malurine
malvaceous
malval
malvasia
malvasian
malvasias
malversation
malverse
malvin
malvoisie
malvolition
malwa
mam
mama
mamaguay
mamaloi
mamamouchi
mamamu
mamas
mamba
mambas
mambo
mamboed
mamboes
mamboing
mambos
mambu
mameliere
mamelon
mamelonation
mameluco
mameluke
mamelukes
mamey
mameyes
mameys
mamie
mamies
mamiila
mamillary
mamillate
mamillated
mamillation
mamlatdar
mamluk
mamluks
mamlutdar
mamma
mamma's
mammæ
mammal
mammal's
mammalgia
mammalia
mammalian
mammalians
mammaliferous
mammality
mammalological
mammalogist
mammalogists
mammalogy
mammals
mammary
mammas
mammate
mammati
mammatocumulus
mammatus
mammectomy
mammee
mammees
mammer
mammered
mammering
mammers
mammet
mammets
mammey
mammey's
mamnie
mammies
mamnifer
mammifera
mammiferous
mammiform
mammilate
mammilated
mammilla
mammillae
mammillaplasty
mammillar
mammillary
mammillate
mammillated
mammillation
mammilliform
mammiloid
mammilloplasty
mammin
mammitides
mammitis
mammock
mammocked
mammocks
mammodi
mammogen
mammogenic
mammogenically
mammogram
mammographic
mammographies
mammography
mammon
mammondom
mammoni
mammoniacal
mammonish
mammonism
mammonist
mammonistic
mammonite
mammonitish
mammonization
mammonize
mammonolatry
mammons
mammose
mammoth
mammothrept
mammoths
mammothomy
mammothropin
mammula
mammulae
mammular
mammy
mamo
mamona
mamonicillo
mamonicillos
mamoty
mampalon
mampara
mampus
mamry
mamsell
mamushi
manzer
man
man's
mana
manace
manacing
manacle
manacled
manacles
manacling
manada
manage
manageability
manageable
manageableness
manageably
managed
managee
manageless
management
management's
managemental
managements
manager
manager's
managerdom
manageress
managerial
managerially
managers
managership
managery
manages
managing
manaism
manak
manakin
manakins
manal
manana
mananas
manarvel
manas
manasic
manasseh
manatee
manatees
manati
manatine
manation
manatoid
manavel
manavelins
manavilins
manavlins
manba
manbarklak
manbird
manbot
manbote
manbria
mancala
mancando
manche
manches
manchester
manchet
manchets
manchette
manchild
manchineel
manchu
manchuria
manchurian
manchurians
manchus
mancinism
mancipable
mancipant
mancipare
mancipate
mancipation
mancipative
mancipatory
mancipee
mancipia
mancipium
manciple
manciples
mancipleship
mancipular
mancono
mancus
mand
mandacaru
mandaean
mandala
mandalas
mandalic
mandament
mandamus
mandamuse
mandamused
mandamuses
mandamusing
mandant
mandapa
mandar
mandarah
mandarin
mandarinate
mandarindom
mandarined
mandariness
mandarinic
mandarining
mandarinism
mandariniz
mandarins
mandarinship
mandat
mandataries
mandatory
mandate
mandated
mandatedness
mandatee
mandates
mandating
mandation
mandative
mandator
mandatories
mandatorily
mandatoriness
mandators
mandatory
mandats
mandatum
mandelate
mandelic
manderelle
mandi
mandible
mandibles
mandibula
mandibular
mandibulare
mandibulate
mandibulated
mandibuliform
mandibulohyoid
mandibulomaxillary
mandibulopharyngeal
mandibulosuspensorial
mandil
mandilion
mandingo
mandioca
mandiocal
mandir
mandlen
mandment
mandoer
mandola
mandolas
mandolin
mandoline
mandolinist
mandolinists
mandolins
mandolute
mandom
mandora
mandore
mandorla
mandorlas
mandorle
mandra
mandragora
mandragron
mandrake
mandrakes
mandrel
mandrels
mandriarch
mandril
mandrill
mandrills
mandrils
mandrin
mandritta
mandruka
mands
mandua
manducable
manducate
manducated
manducating
manducation
manducatory
mandyai
mandyas
mandyases
mandyi
mane
mane's
maned
manege
maneges
maneh
manei
maneless
manent
manequin
manerial
manes
manesheet
maness
manet
maneuver
maneuverability
maneuverable
maneuvered
maneuverer
maneuvering
manevers
maneuvrability
maneuvrable
maneuvre
maneuved
maneuvring
maney
manfish
manful
manfully
manfulness
mang
manga
mangabeira
mangabev
mangabey
mangabeys
mangabies
mangaby
mangal
mangana
manganapatite
manganate
manganblende
manganbrucite
manganerisn
manganese
manganese
manganesian
manganesic
manganetic
manganhedenbergite
manganic
manganiferous
manganite
manganium
manganize
manganocalcite
manganocolumbite
manganophyllite
manganosiderite
manganosite
manganostibiite
manganotantalite
manganous
manganpectolite
mange
mangeao
mangeier
mangeiest
mangel
mangelin
mangels
mangelwurzel
manger
manger's
mangerite
mangers
mangery
manges
manifestative
manifestatively
manifested
manifestedness
manifesteer
manifesting
manifestive
manifestly
manifestness
manifesto
manifestoed
manifestoes
manifestos
manifests
manificent
manifold
manifold's
manifolded
manifolder
manifolding
manifoldly
manifoldness
manifolds
manifoldwise
maniform
manify
manihot
manihots
manikin
manikinism
manikins
manila
manilas
manildo
manilla
manillas
manille
manilles
manini
manioc
manioca
maniocas
maniocs
maniple
maniples
manipulability
manipulable
manipular
manipulary
manipulatibility
manipulatable
manipulate
manipulated
manipulates
manipulating
manipulation
manipulational
manipulations
manipulative
manipulatively
manipulator
manipulator's
manipulators
manipulatory
manis
manism
manist
manistic
manit
manito
manitoba
manitos
manitou
manitous
manitrus
manitu
manitus
maniu
manjack
manjak
manjeet
manjel
mank
mankeeper
mankie
mankiller
mankilling
mankin
mankind
mankind's
mankindly
manks
manky
manless
manlessly
manlessness
mannikins
manning
mannire
mannish
mannishly
mannishness
mannitan
mannite
mannites
mannitic
mannitol
mannitols
mannitose
mannoheptite
mannoheptitol
mannoheptose
mannoketoheptose
mannonic
mannopus
mannosan
mannose
mannoses
manny
mano
manoc
manoeuver
manoeuvered
manoeuvring
manoeuvre
manoeuvred
manoeuvreing
manoeuvrer
manoeuvring
manograph
manoir
manometer
manometer's
manometers
manometric
manometrical
manometrically
manometries
manometry
manomin
manor
manor's
manorial
manorialism
manstealing
manstopper
manstopping
mansuete
mansuetely
mansuetude
manswear
mansworn
mant
manta
mantal
mantapa
mantappeaux
mantas
manteau
manteaus
manteaux
manteel
mantegar
mantel
mantel’s
mantelet
mantelets
manteline
mantelletta
mantellone
mantellshelves
mantelpiece
mantelpieces
mantels
mantelshelf
manteltree
manter
mantes
mantevil
mantic
mantically
manticism
manticora
manticore
mantid
mantids
mantilla
mantillas
mantis
mantises
mantispid
mantissa
mantissa's
mantissas
mantistic
mantle
mantle's
mantled
mantlepiece
mantlepieces
mantlerock
mantles
mantlet
mantletree
mantlets
mantling
mantlings
manto
mantoid
mantologist
mantology
manton
mantra
mantram
mantrap
mantraps
mantras
mantric
mantua
mantuamaker
mantuamaking
mantuan
mantuas
manty
manual
manual's
manualii
manualism
manualist
manualiter
manually
manuals
manuao
manuary
manubaliste
manubria
manubrial
manubriated
manubrium
manubriums
marabou
marabous
marabout
maraboutism
marabouts
marabunta
marabuto
maraca
maracan
maracas
maracock
marae
marage
maraged
maraging
marah
marais
marajuana
marakapas
maral
maranao
maranatha
marang
maranon
maranta
marantaceous
marantas
marantic
marara
mararie
maras
marasca
marascas
maraschino
maraschinos
marasmic
marasmoid
marasmous
marasmus
marasmuses
maratha
marathi
marathon
marathoner
marathons
marattaceous
maraud
marauded
marauder
marauders
marauding
marauds
maravedi
maravedis
maray
marbelization
marbelize
marbelized
marbelizing
marble
marbled
marblehead
marbleheader
marblehearted
marbleization
marbelize
marbleized
marbleizer
marbleizes
marbleizing
marblelike
marbleness
marbler
marblers
marbles
marblewood
marblier
marblest
marbling
marblings
marblish
marbly
marbrinus
marc
marcando
marcantant
marcasite
marcasitic
marcasitical
marcassin
marcatissimo
marcato
marcel
marceline
marcella
marcelled
marechal
marechale
marekanite
maremma
maremmatic
maremme
maremmesi
marengo
marennin
mareograph
mares
mareschal
marezzo
marfire
marg
marga
margarate
margaret
margaric
margarin
margarine
margarins
margarita
margaritaceous
margaritae
margarite
margaritic
margaritiferous
margaritomancy
margarodid
margarodite
margarosanite
margaux
margay
margays
marge
marged
margeline
margent
margented
margenting
margets
marges
margin
margin’s
marginability
marginal
marginalia
marginality
marginalize
marginally
marginals
marginate
marginated
marginating
margination
margined
marginelliform
marginicidal
marginiform
margining
marginirostral
marginoplasty
margins
margosa
margravate
margrave
margravely
margraves
margravial
margraviate
margravine
marguerite
marguerites
margullie
marhala
maria
mariachi
mariachis
marialite
marian
mariana
marianist
marianna
marianne
marica
maricolous
mariculture
marid
marie
mariengroschen
maries
mariet
marigenous
marigold
marigolds
marigram
marigraph
marigraphic
marihuana
marijuana
marikina
marilyn
marimba
marimbaist
marimbas
marimonda
marina
marinade
marinaded
marinades
marinading
marinal
marinara
marinaras
marinas
marinate
marinated
marinates
marinating
marination
marine
marined
mariner
mariners
marinership
marines
marinheiro
marinist
marinorama
mariola
mariolatry
mariology
marionet
marionette
marionettes
mariposa
mariposas
mariposite
maris
marish
marishes
marishness
marishy
marlinespikes
marling
marlings
marlingspike
marlins
marlinspike
marlinsucker
marlite
marlites
marlitic
marlike
marlock
marlpit
marls
marly
marm
marmalade
marmalades
marmalady
marmarin
marmarization
marmarize
marmarized
marmarizing
marmarosis
marmatite
marmelos
marmennill
marmink
marmion
marmit
marmite
marmites
marmolite
marmor
marmoraceous
marmorate
marmorated
marmoration
marmoreal
marmoreally
marmorean
marmoric
marmorize
marmose
marmoset
marmosets
marmot
marranize
marrano
marred
marree
marrer
marrers
marriable
marriage
marriage's
marriageability
marriageable
marriageableness
marriageproof
marriages
married
marriedly
marrieds
marrier
marriers
marries
marring
marrock
marron
marrons
marrot
marrow
marrowbone
marrowbones
marrowed
marrowfat
marrowing
marrowish
marrowless
marrowlike
marrons
marrows
marrowsky
marrowskyer
marrowy
marrube
marry
marryer
marrying
marrymuffe
marrys
mars
marsala
marse
marseillais
marseillaise
marseille
marseilles
marses
marsh
marsh's
marshal
marshaleate
marshalcies
marshalcy
marshaled
marshaler
marshaless
marshaling
marshall
marshalled
marshallier
marshalling
marshalls
marshalman
marshalmant
marshals
marshalsea
marshalship
marshbanker
marshberries
marshberry
marshbuck
marshes
marshfire
marshflower
marshier
marshiest
marshiness
marshite
marshland
marshlander
marshlands
marshlike
marshlocks
marshmallow
marshmallows
marshmallowy
marshman
marshmen
marshs
marshwort
marshy
martialization
martialize
martialled
martialling
martially
martialness
martially
martials
martian
martians
martilo
martin
martinet
martineta
martinetish
martinetishness
martinetism
martinet
martinetship
martinez
marting
martingal
martingale
martingales
martini
martinico
martinis
martinmas
martinoe
martins
martite
martlet
martlets
martnet
martrix
marts
martynaceous
martyr
martyr's
martyrdom
martyrdoms
martyred
martyrer
martyress
martyria
martyries
martyring
martyrisation
martyrise
masculofeminine
masculonucleus
masculy
masdeu
maselin
maser
masers
mash
masha
mashak
mashal
mashallah
masham
mashed
mashelton
masher
mashers
mashes
mashgiach
mashgia
mashgichim
mashgihim
mashie
mashier
mashies
mashiest
mashiness
mashing
mashlam
mashlin
mashloch
mashlum
mashman
mashmen
mashrebeeyah
mashrebeeyeh
mashru
mashy
masjid
masjids
mask
maskable
maskalonge
maskalonges
maskanonge
maskanonges
masked
maskeg
maskegs
maskelynite
masker
maskers
maskery
maskette
maskflower
masking
maskings
maskinonge
maskinonges
masklike
maskmv
maskoid
masks
maslin
masochism
masochist
masochist's
masochistic
masochistically
masochists
mason
mason's
masoned
masoner
masonic
masonically
masoning
masonite
masonried
masonries
masonry
masonrying
masons
masonwork
masooka
masoola
masora
masorete
masque
masquer
masquerade
masqueraded
masquerader
masqueraders
masquerades
masquerading
massiest
massif
massifs
massig
massily
massiness
massing
massive
massively
massiveness
massivity
masskanne
massless
masslessness
masslike
massoola
massotherapist
massotherapy
massoy
massula
massy
massymore
mast
mastaba
mastabah
mastabahs
mastabas
mastadenitis
mastadenoma
mastage
mastalgia
mastatrophia
mastatrophy
mastauxe
mastax
mastectomies
mastectomy
masted
master
master's
masterable
masterate
masterdom
mastered
masterer
masterfast
masterful
masterfully
masterfulness
masterhood
masteries
mastering
masterings
masterless
masterlessness
masterlike
masterlily
masterliness
masterling
masterly
masterman
mastermen
mastermind
masterminded
masterminding
masterminds
masterous
masterpiece
masterpiece's
masterpieces
masterproof
masters
mastership
mastersinger
mastersingers
masterstroke
masterwork
masterworks
masterwort
mastery
mastful
masthead
mastheaded
mastheading
mastheads
masthelicosis
mastic
masticability
masticable
masticate
masticated
masticates
masticating
mastication
mastications
masticator
masticatories
masticatory
mastiche
mastics
masticic
masticot
masticulous
mastiff
mastiffs
mastigate
mastigia
mastigium
mastigobranchia
mastigobranchial
mastigoneme
mastigophobia
mastigophoran
mastigophore
mastigophoric
mastigophorous
mastigopod
mastigopodous
mastigate
mastigone
mastigous
mastitides
mastitis
mastix
mastixes
mastless
mastlike
mastman
mastmen
mastocarcinoma
mastocarcinomas
mastocarcinomata
mastoccipital
mastochondroma
mastochondrosis
mastodon
mastodonic
mastodons
mastodonsaurian
mastodont
mastodontic
mastodontine
mastodontoid
mastodynia
mastoid
mastoidal
mastoidale
mastoidal
mastoid
mastoidectomies
mastoidectomy
mastoidoectomy
mastoidocentesis
mastoidosquamous
mastoiditis
mastoidohumeral
mastoidohumeralis
mastoidotomy
mastoids
mastological
mastologist
mastology
mastomenia
mastoncus
mastoooccipital
mastoparietal
mastopathies
mastopathy
mastopexy
mastoplastia
mastorrhagia
mastoscirrhus
mastosquamous
mastotomy
mastotympanic
mastras
masts
masturbate
masturbated
masturbates
masturbatic
masturbating
masturbation
masturbational
masturbator
masturbators
masturbatory
mastwood
masty
masu
masurium
masuriums
mat
mat's
matachin
matachina
matachinas
mataco
matadero
matador
matadors
mataeological
mataeologue
mataeology
mataeotechny
matagasse
matagory
matagouri
matai
matajuelo
matalan
matamata
matambala
matamoro
matanza
matapan
matapi
matara
matasano
matax
matboard
match
matchable
matchableness
matchably
matchboard
matchboarding
matchbook
matchbooks
matchbox
matchboxes
matchcloth
matchcoat
matched
matcher
matchers
matches
matchet
matching
matchings
matchless
matchlessly
matchlessness
matchlock
matchlocks
matchmake
matchmaker
matchmakers
matchmaking
matchmark
matchsafe
matchstalk
matchstick
matchwood
matchy
mate
mate's
mated
mategriffon
matehood
matelass
matelasse
mateless
matelessness
mateley
matellasse
matelot
matelotage
matelote
matelotes
matelotte
matelow
mately
matemilk
mater
materfamilias
materia
materiable
material
materialisation
materialise
materialised
materialiser
materialising
materialism
materialist
materialistic
materialistical
materialistically
materialists
materialities
materiality
materialization
materializations
materialize
materialized
materializee
materializer
materializes
materializing
materially
materialman
materialmen
materialness
materials
materiarian
materiate
materiation
materiel
materiels
maternal
maternalise
maternalised
maternalising
maternalism
maternalistic
maternality
maternalize
maternalized
maternalizing
maternally
maternalness
maternities
maternity
maternology
maters
mates
mateship
mateships
matey
mateyness
mateys
matezite
matfellon
matfelon
matman
matoke
matra
matrace
matrah
matral
matranee
matrass
matrasses
matreed
matres
matriarch
matriarchal
matriarchalism
matriarchate
matriarchic
matriarchical
matriarchies
matriarchist
matriarchs
matriarchy
matric
matrical
matrice
matrices
matricidal
matricide
matricides
matriclan
matriclinous
matricula
matriculable
matriculae
matriculant
matriculants
matricular
matriculate
matriculated
matriculates
matriculating
matriculation
matriculations
matriculator
matriculatory
matriheritage
matriherital
matrilateral
matrilaterally
maudlinness
maudlinwort
mauger
maugh
maught
maugrable
maugre
maukin
maul
maulana
mauled
mauler
maulers
mauley
mauling
mauls
maulstick
maulvi
maumet
maumetries
maumetry
maumets
maun
maunch
maunche
maund
maunder
maundered
maunderer
maunderers
maundering
maunders
maundful
maundies
maunds
maundy
maunge
maungy
maunna
maupassant
mauquahog
mauresque
mauricio
maurist
mauritania
mauritanian
mauritanians
mauser
mausole
mausolea
mausoleal
mausolean
mausoleum
mausoleums
maut
mauther
mauts
mauve
mauvein
mauveine
mauvess
mauvette
mauvine
maux
maven
mavens
maverick
mavericks
mavie
mavies
mavin
mavins
mavis
mavises
mavourneen
mavournin
mavrodaphne
maw
mawali
mawbound
mawed
mawger
mawing
mawk
mawkin
mawkingly
mawkish
mawkishly
mawkishness
mawks
mawkly
mawmish
mawn
mawp
maws
mawseed
mawsie
mawworm
max
maxi
maxicoat
maxicoats
maxilla
maxillae
maxillar
maxillaries
maxillary
maxillas
maxilliferous
maxilliform
maxilliped
maxillipedary
maxillipede
maxillopalatal
maxillopharyngeal
maxillopremaxillary
maxilloturbinal
maxillozygomatic
maxim
maxim's
maxima
maximal
maximalist
maximally
maximals
maximate
maximation
maximed
maximin
maximins
maximise
maximised
maximises
maximising
maximist
maximistic
maximite
maximites
maximization
maximize
maximized
maximizer
maximizers
maximizes
maximizing
maxims
maximum
maximumly
maximums
maximus
maxis
maxisingle
maxiskirt
maxixe
maxixes
maxwell
maxwells
may
maya
mayacaceous
mayan
mayans
mayapis
mayapple
mayapples
mayas
maybe
mayberry
maybush
maybushes
maycock
mayday
maydays
mayduke
mayed
mayence
mayest
mayfish
mayfishes
mayflies
mayflower
mayflowers
mayfly
mayhap
mayhappen
mayhaps
mazdaism
mazdoor
mazdur
maze
maze's
mazed
mazedly
mazedness
mazeful
mazel
mazelike
mazement
mazer
mazers
mazes
mazic
mazier
maziest
mazily
maziness
mazinesses
mazing
mazocacothesis
mazodynia
mazolysis
mazolytic
mazopathia
mazopathic
mazopathy
mazopexy
mazourka
mazourkas
mazuca
mazuma
mazumas
mazurka
mazurkas
mazut
mazy
mazzard
mazzards
mb
mbalolo
mbd
mbeuer
mbira
mbiras
mbori
meaking
meal
meal's
mealable
mealberry
mealed
mealer
mealie
mealier
mealies
mealiest
mealily
mealiness
mealing
mealless
mealman
mealmen
mealmonger
mealmouth
mealmouthed
mealock
mealproof
meals
mealtide
mealtimes
mealworm
mealworms
mealy
mealybug
mealybugs
mealymouth
mealymouthed
mealymouthedly
mealymouthedness
mealymouthedness
mealymouthedness
mealywing
mean
meander
meandered
meanderer
meanderers
meandering
meanderingly
meanders
meandrine
meandriniform
meandrite
meandrous
meandrously
meaned
meaner
meaners
meanest
meanie
meanies
meaning
meaning's
meaningful
meaningfully
meaningfulness
meaningless
meaninglessly
meaninglessness
meaningly
meaningness
meanings
meanish
meanless
meanly
meanness
meannesses
means
meanspirited
meanspiritedly
meanspiritedness
meant
meantime
meantimes
meantone
meanwhile
meany
mear
mearstone
meas
mease
measle
measled
measledness
measles
measlesproof
measier
measiest
measly
measondue
measurability
measurable
mecopterous
mecrobeproof
cmpm
mecums
mecurial
mecurialism
med
medaillon
medaka
medakas
medal
medal's
medaled
medalet
medaling
medalist
medalists
medalize
medallary
medalled
medallic
medallically
medalling
medallion
medallion's
medallioned
medallioning
medallionist
medallions
medallist
medals
meddle
meddlecome
meddled
meddlement
meddler
mediers
meddles
medielome
medielosmely
medielosomeness
meddling
meddlingly
mede
melea
medenagan
medevac
medevacs
media
mediacid
mediacies
mediacy
mediad
mediae
mediaeval
mediaevalism
mediaevalist
mediaevalize
mediaevally
medial
medialization
medialize
medialkaline
medially
medials
median
median's
medianic
medianimic
medianimity
medianism
medianity
medianly
medians
mediant
mediants
mediary
medias
mediastina
mediastinal
mediastine
mediastinitis
mediastinotomy
mediastinum
mediate
mediated
mediately
mediateness
mediates
mediating
mediatingly
mediation
mediational
mediations
mediatisation
mediatise
medicative
medicator
medicatory
medicean
medicinable
medicinableness
medicinal
medicinally
medicinalness
medicinary
medicine
medicine's
medicined
medicinelike
medicinemonger
mediciner
medicines
medicining
medick
medicks
medico
medicobotanical
medicochirurgic
medicochirurgical
medicodental
medicolegal
medicolegally
medicomania
medicomechanic
medicomechanical
medicomissure
medicomoral
medicophysical
medicophysics
medicopsychological
medicopsychology
medicos
medicostatistic
medicosurgical
medicotopographic
medicozoologic
medics
medidia
medidii
mediety
medieval
medievalism
medievalist
medievalistic
medievalists
medievalize
medievally
medieval
medievalize
medieval
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
medievalize
me...
medisect
medisection
medism
meditabund
meditance
meditant
meditate
meditated
meditatedly
meditater
meditates
meditating
meditatingly
meditatio
meditation
meditationist
meditations
meditatist
meditative
meditatively
meditativeness
meditator
mediterrane
mediterranean
mediterraneous
medithorax
meditullium
medium
medium's
mediumism
mediumistic
mediumization
mediumize
mediumly
mediums
mediumship
medius
medize
medjidi
medjidihe
medlar
medlars
medle
medley
medleyed
medleying
medleys
medlied
medoc
medregal
medrick
medrinacks
medrinacles
medrinaque
medscheat
medula
medulla
medullae
medullar
medullary
medullas
medullate
medullated
medullation
medullispinal
medullitis
medullization
medulloose
medullous
medusa
medusae
medusal
medusalike
medusan
medusans
medusas
medusiferous
medusiform
medusoid
medusoids
mee
meebos
meece
meech
meecher
meeching
meed
meedful
meedless
meeds
meek
meeken
meeker
meekest
meekhearted
meekheartedness
meekling
meekly
meekness
meeknesses
meer
meerred
meerkat
meerschaum
meerschaums
meese
meet
meetable
meeten
meeter
meeterly
meeters
meeth
meethelp
meetheeper
meeting
meetinger
meetinghouse
meetings
meetly
meetness
meetnnesses
meets
meg
megaara
megabar
megabars
megabaud
megabit
megabits
megabuck
megabucks
megabyte
megabytes
megacephalia
megacephalic
megacephalous
megacephaly
megacerine
megacerotine
megachilid
megachiropteran
megachiropterous
megacity
megacolon
megacosm
megacoulomb
megacurie
megacycle
megacycles
megadeath
megadeaths
megadont
megodontia
megodontic
megodontism
megadonty
megodynamics
megadyne
megadynes
megaerg
megafarad
megafog
megagamete
megagametophyte
megahertz
megahertzes
megajoule
megakaryoblast
megakaryocyte
megakaryocytic
megalecithal
megaleme
megalerg
megalesthete
megalethoscope
megalith
megalithic
megaliths
megaloblast
megaloblastic
megalocardia
megalocarpous
megalcephalia
megalcephalic
megalcephalous
megalcephaly
megalochirous
megalocornea
megalocyte
megalocytoxisis
megalodactyilia
megaloureater
megamasticotoral
megamere
megameter
megametre
megampere
meganucleus
megaparsec
megaphone
megaphoned
megaphones
megaphonic
megaphonically
megaphoning
megaphotographic
megaphotography
megaphyllous
megapod
megapode
megapodes
megapolis
megapolitan
megaprosopous
megapterine
megara
megarad
megarian
megaron
megarons
megasclere
megasclerotic
megasclerous
megasclerum
megascope
megascopie
megascopical
megascopically
megaseism
megaseismic
megaseme
megasporange
megasporangium
megaspore
megasporic
megasporogenesis
megasporophyll
megass
megasse
megasses
megasythetic
megathere
megatherian
megatherine
megatheriid
megatherium
megatherm
megathermal
megathermic
megatherian
megatherium
megaton
megatons
megatron
megatype
megatumpy
megavitamin
megavolt
megavolts
megawatt
megawatts
megaweb
megaword
megawords
megazooid
megazoospore
megbote
megerg
megger
megillah
megillahs
megilloth
megilp
megilph
megilphs
megilps
megmho
megnetosphere
megohm
megohmit
megohmmeter
megohms
megomit
megophthalmus
megotalc
megotum
megrim
megrimish
megrimis
melaenic
melagabbro
melagra
melagranite
melaleuca
melalgia
melam
melamdim
melamed
melamin
melamine
melamines
melammdim
melammed
melampod
melampode
melampodium
melampyrin
melampyrite
melampyritol
melanaemia
melanaemic
melanagagal
melanagogue
melancholia
melancholiac
melancholiacs
melancholian
melancholic
melancholically
melancholies
melancholily
melancholiness
melancholious
melancholously
melancholiousness
melancholish
melancholist
melancholize
melancholomaniac
melancholy
melancholyish
melanchthonian
melanconiaceous
melanemia
melanemic
melanesia
melanesian
melanesians
melange
melanger
melanges
melangeur
melanian
melanic
melanics
melaniferous
melanilin
melanine
melanin
melans
melanism
melanisms
melanist
melanistic
melanists
melanie
melanites
melanitic
melanization
melanize
melanized
melanizes
melanizing
melano
melanoblast
melanoblastic
melanoblastoma
melanocarcinoma
melanocerite
melanochroi
melanochronic
melanochroite
melanochroous
melanocomous
melanocrate
melanocratic
melanocyte
melanoderm
melanoderma
melanodermia
melanodermic
melanogen
melanogenesis
melanoi
melanoid
melanoidin
melanoids
melanoma
melanomas
melanomata
melanopathia
melanopathy
melanophore
melanoplakia
melanorrhagia
melanorrhea
melanosarcoma
melanosarcomatosis
melanoscope
melanose
melanosed
melanosis
melanosity
melanosome
melanospermous
melanotekite
melanotic
melanotrichious
melanotype
melanous
melanterite
melanthaceous
melanththy
melanure
melanurenic
melanuresis
melanuria
melanuric
melaphyre
melasma
melasmic
melasses
melassigenic
melastomaceous
melastomad
melastome
melatonin
melatope
melaxuma
melba
melbourne
melch
melchite
meliorant
meliorate
meliorated
meliorater
meliorates
meliorating
melioration
meliorations
meliorative
melioratively
meliorator
meliorism
meliorist
melioristic
meliority
meliphagan
meliphagidan
meliphagous
meliphanite
meliponine
melis
melisma
melismas
melismata
melismatic
melismatics
melissa
melissyl
melissyllic
melitaemia
melitaemia
melithaemia
melitheemia
melitis
melitose
melitriose
melittologist
melittology
melituria
melituric
melkhout
mell
mellaginous
mellah
mellate
mellay
melled
melleous
meller
mellic
melliferous
mellific
mellificate
mellification
mellifluate
mellifluence
mellifluent
mellifluently
mellifluous
mellifluously
mellifluousness
mellilita
mellilot
mellimide
melling
mellisonant
mellisugent
mellit
mellita
mellitate
mellite
mellitic
mellitum
mellitus
mellivorous
mellon
mellone
mellonides
mellophone
mellow
mellowed
mellower
mellowest
mellowing
mellowly
mellowness
mellowphone
mells
mellsman
melocoton
melocotoon
melodeon
melodeons
melodia
melodial
melodially
melodias
melodic
melodica
melodical
melodically
melodicon
melodics
melodied
melodies
melodiograph
melodion
melodious
melodiously
melodiousness
melodise
melodised
melodises
melodising
melodism
melodist
melodists
melodium
melodize
melodized
melodizer
melodizes
melodizing
melodractically
melodram
melodrama
melodrama's
melodramas
melodramatic
melodramatical
melodramatically
melodramaticism
melodramatics
melodramatising
melodramatised
melodramatist
melodramatists
melodramatization
melodramatize
melodrame
melody
melody's
melodying
melodyless
meloe
melogram
melograph
melographic
meloid
meloids
melologue
melolonthid
melolonthidan
melolonthine
melomame
melomane
melomania
melomaniac
melomanic
melon
melon's
meloncus
melongena
melongrower
melonist
melonite
melonlike
melonmonger
melony
melons
melophone
melophonic
melophonist
melopiano
melopianos
meloplast
meloplastic
meloplasties
meloplasty
melopoeia
melopoeic
melos
melosa
melote
melotragedy
melotragic
melotrope
melpell
melpomene
mels
melt
meltability
meltable
meltage
meltages
meltdown
meltdowns
melted
meltedness
melteigite
melter
melters
melteth
melting
meltingly
meltingness
meltith
melton
meltons
melts
meltdown
melungeon
melvie
mem
member
member's
membered
memberless
members
membership
membership's
memberships
membracid
membracine
membral
membrally
membrana
membranaceous
membranaceously
membranal
membranate
membrane
membraned
membraneless
membranelike
membranella
membranelle
membraneous
membranes
membraniferous
membraniform
membranin
membranocalcareous
membranocartilaginous
membranocoriaceous
membranocorneous
membranogenic
membranoid
membranology
membranonervous
membranophone
membranophonic
membranosis
membranous
membranously
membranula
membranule
membrette
membretto
memento
mementoes
mementos
meminna
memnon
memnonian
memo
memo's
memoir
memoire
memoirism
memoirist
memoirs
memorabile
memorabilia
memorability
memorable
memorableness
memorably
memoranda
memorandist
memorandize
memorandum
memorandums
memorate
memoration
memorative
memorda
memoria
memorial
memorialisation
memorialise
memorialised
memorialiser
memorialising
memorialist
memorialization
memorializations
memorialize
memorialized
memorializer
memorializes
memorializing
memorialally
memorials
memoried
memories
memorious
memorise
memorist
memoriter
memorable
memorization
memorize
memorized
memorizer
memorizers
memorizes
memorizing
memory
memory’s
memoryless
memorylessness
memos
memphian
memphis
mems
memsahib
memsahibs
men
men’s
menaccanite
menaccanitic
menace
mendicancies
mendicancy
mendicant
mendicantism
mendicants
mendicate
mendicated
mendicating
mendication
mendicity
mendigo
mendigos
mending
mendings
mendipite
mendment
mendole
mendozite
mends
mendy
mene
meneghinite
menehune
menelaus
menevian
menfolk
menfolks
meng
menhaden
menhadens
menhir
menhirs
menial
menialism
meniality
mentally
menialness
menials
menialty
menilite
meningeal
meninges
meningic
meningina
meningioma
meningism
meningismus
meningitic
menigitides
meningitis
meningitophobia
meningocele
meningocephalitis
meningocerebritis
meningococcal
meningococcemia
meningococci
meningococcic
meningococcoci
meningococcus
meningocortical
meningoencephalitic
meningoencephalitis
meningoencephalocele
meningomalacia
meningomyelitic
meningomyelitis
meningomyelocele
meningomyelorraphy
meningorachadian
meningoradicular
meningorhachidian
meningorrhagia
meningorrhhea
meningorrhoea
meningosis
meningospinal
meningotyphoid
meninling
meninx
meniscal
menisicate
menisectomy
menisci
menisciform
meniscitis
meniscocytosis
meniscoid
meniscoidal
meniscus
meniscuses
menise
menison
menisperm
menispermeaceous
menispermin
mental
mentalis
mentalism
mentalist
mentalistic
mentalistically
mentalis
totalities
mentality
mentalization
mentalize
mentally
mentary
mentation
mentery
menthaceous
menthadiene
menthan
menthane
menthe
menthene
menthenes
menthenol
menthenone
menthol
mentholated
menthols
menthone
menthy
menticide
menticultural
menticulture
mentiferous
mentiform
mentigerous
mentimeter
mentimutation
mention
mentionability
mentionable
mentioned
mentioner
mentioners
mentioning
mentionless
mentions
mentis
mentoanterior
mentobregmatic
mentocondylial
mentohyoid
mentolabial
mentomeckelian
mentoniere
mentonniere
mentonnieres
mentoposterior
mentor
mentor's
mentorial
mentorism
mentors
mentorship
mentum
menu
menu's
menuiserie
menuiseries
menuisier
menuisiers
menuki
menus
meny
menye
menzie
meow
meowed
meowing
meows
mepacrine
meperidine
mephistopheles
mephitic
mephitical
mephitically
mephitine
mephitis
mephitises
mephitism
meprobamate
meq
mer
meralgia
meraline
merbaby
merbromin
mercurialising
mercurialism
mercurialist
mercuriality
mercurialization
mercurialize
mercurialized
mercurializing
mercurially
mercurialness
mercuriamines
mercuriammonium
mercuriate
mercuric
mercurid
mercuride
mercuries
mercurification
mercurified
mercurify
mercurifying
mercurization
mercurize
mercurized
mercurizing
mercuochrome
mercurophen
mercurous
mercury
mercy
mercyproof
merd
merdivorous
merdurinous
mere
mered
merel
merels
merely
merenchyma
merenchymatous
merengue
merengued
merengues
merenguing
merer
meres
meresman
meresmen
merest
merestone
mereswine
meretrices
meretricious
meretriciously
meretriciousness
meretrix
merfold
merfolk
merganser
mergansers
merge
merged
mergence
mergences
merger
mergers
merges
mergh
merging
meriah
mericarp
merice
merida
meridian
meridians
meridie
meridiem
meridienne
meridional
meridionality
meridionally
meril
meringue
meringued
meringues
meringuing
merino
merinos
meriquinoid
meriquinoidal
meriquinone
meriquinonic
meriquinonoid
merises
merisis
merism
merismatic
merismoid
merist
meristele
meristelic
meristem
meristematic
meristematically
meristems
meristic
meristically
meristogenous
merit
meritable
merited
meritedly
meritedness
meriter
meritful
meriting
meritless
meritlessness
meritmonger
meritmongering
meritmongery
meritocracies
meritocracy
meritocrat
meritocratic
meritorious
meritoriously
meritoriousness
meritory
merits
merk
merkhet
merkin
merks
merl
merle
merles
merlette
merligo
merlin
merlin
merling
merlins
merlion
merlon
merlons
merls
mermaid
mermaid
mermaids
merman
mermen
ermithaner
ermithergate
ermithization
ermithized
ermithogyne
ermother
mer
meroblastic
meroblastically
merocele
merocelic
merocerite
meroceritic
merocrine
merocrystalline
merocyte
merodus
merogamy
merogastrula
merogenesis
merogenetic
merogenic
merogasteline
merognathite
merogonic
merogony
merohedral
merohedric
merohedrism
meroistic
meromorphic
meromyarian
meromyosin
merop
meropia
meropias
meropic
meropidan
meroplankton
meroplanktonic
meropodite
meropoditic
merorganization
merorganize
meros
merosomal
merosomatous
merosome
merosthenic
merostomatous
merostome
merostomous
merosymmetrical
merosymmetry
merosystematic
merotomize
merotomy
merotropism
merotropy
merovingian
meroxene
merozoite
merpeople
merribauks
merribush
merrier
merriest
merriless
merrily
merrimack
merriment
merriness
merrow
merrowes
merry
merrymake
merrymaker
merrymakers
merrymaking
merryman
merrymeeting
merrymen
merrythought
merrytrotter
merrywing
merse
mersion
merthiolate
merton
meruit
meruline
meruloid
merv
mervail
merveileux
merveilleux
merwinite
merwoman
merychippus
merycism
merycismus
merycoidodon
merycopotamus
mesa
mesabite
mesaconate
mesaconic
mesad
mesadena
mesail
mesal
mesalike
mesalliance
mesalliances
mesally
mesameboid
mesange
mesaortitis
mesaraic
mesaraical
mesarch
mesarteritic
mesarteritis
mesas
mesaticephal
mesaticephali
mesaticephalic
mesaticephalism
mesaticephalous
mesaticephaly
mesatipellic
mesatipelvic
mesatiskelic
mesaxonic
mescal
mescaline
mescalism
mescals
menschant
menschantly
mesdames
mesdemoiselles
mese
mesectoderm
meseeed
messeems
mesel
mesela
meseled
meseledness
meselry
mesely
mesem
mesembranymum
mesembryo
mesembronic
mesencephala
mesencephalic
mesencephalon
mesencephalons
mesenchyma
mesenchymal
mesenchymatal
mesenchymatic
mesenchymatous
mesenchymeme
mesendoderm
mesenna
mesentera
mesenterial
mesenteric
mesenterical
mesenterically
mesenteries
mesenteriform
mesenteriolum
mesenteritic
mesenteritis
mesenterrium
mesenteron
mesenteronic
mesentery
mesentoderm
mesepimeral
mesepimeron
mesepisternal
mesepisternum
mesepithelial
mesepithelium
meseraic
mesethmoid
mesethmoidal
mesh
meshed
meshes
meshier
meshiest
meshing
meshrablyeh
meshrebeeyeh
meshuga
meshugaas
meshugana
meshugga
meshuggaas
meshuggah
meshuggana
meshuggenah
meshummad
meshwork
meshworks
meshy
mesiad
mesial
mesially
mesian
mesic
mesically
mesilla
mesiobuccal
mesiocervical
mesioclusion
mesiodistal
mesiodistally
mesiogingival
mesioincisal
mesiolabial
mesiolingual
mesion
mesioocclusal
mesiopulpal
mesioversion
mesitine
mesogastrium
mesoglea
mesogleal
mesogleas
mesogloea
mesogleal
mesognathic
mesognathion
mesognathism
mesognathous
mesognathy
mesogyrate
mesohepar
mesohippus
mesokurtic
mesolabe
mesole
mesolecithal
mesolimnion
mesolite
mesolithic
mesologic
mesological
mesology
mesomere
mesomeres
mesomorphic
mesosaurism
mesometeorological
mesometeorology
mesometral
mesometric
mesometrium
mesomitosis
mesomorph
mesomorphic
mesomorphism
mesomorphous
mesomorphy
mesomyodian
mesomyodous
meson
mesonal
mesonephric
mesonephridium
mesonephritic
mesonephroi
mesonephros
mesonic
mesonotal
mesonotum
mesons
mesoparapteral
mesoparapteron
mesopause
mesopeak
mesopectus
mesopelagic
mesoperiodic
mesopetalum
mesophil
mesophile
mesophilic
mesophilous
mesophragm
mesophragma
mesophragmal
mesophryon
mesophyl
mesophyll
mesophyllic
mesophyllous
mesophyllum
mesophylys
mesophyte
mesophytic
mesophytism
mesopic
mesoplankton
mesoplanktonic
mesoplast
mesoplactic
mesoplastra
mesoplastral
mesoplastron
mesopleura
mesopleural
mesopleuron
mesoplodont
mesopodia
mesopodial
mesopodial
mesopodialia
mesopodium
mesopotamia
mesopotamian
mesopotamic
mesoprescutal
mesopresectum
mesoprosopic
mesopterygial
mesopterygium
mesopterygoid
mesorchial
mesorchium
mesorecta
mesorectal
mesorecta
mesorectum
mesorectums
mesorhin
mesorhinal
mesorhine
mesorhinian
mesorhinism
mesorhinium
mesorhiny
mesorrhin
mesorrhinal
mesorrhine
mesorrhinian
mesorrhinism
mesorrhinium
mesorrhiny
mesosalpinx
mesosauar
mesoscale
mesoscapula
mesoscapular
mesoscutal
mesoscutellar
mesoscutellum
mesoscutum
mesoseismal
mesosome
mesosiderite
mesosigmoid
mesoskelic
mesosoma
mesosomata
mesosomatic
mesosome
mesosomes
mesosperm
mesosphere
g.pheric
mesospore
g.poric
g.porium
mesost
gostasis
g.terma
g.termal
mesosternebra
mesosternebral
mesosternum
mesostethium
mesostomid
g.style
mesostylous
mesosuchian
mesotarsal
mesotartaric
mesothelia
mesothelial
mesothelioma
mesothelium
mesotherm
mesothermal
mesothesis
mesothet
g.othetic
g.othetical
g.othoraces
g.othoracic
g.othoracothe
g.othorax
g.othoraxes
g.othorium
mesotonic
mesotroch
mesotrocha
mesotrochal
mesotrochous
mesotron
mesotronic
mesotrons
mesotrophic
mesotropic
mesotympanic
mesotype
mesovaria
mesovarian
term
mesovarium
term
term
mesoventral
term
mesoventrally
term
mesoxalate
term
mesoxalic
term
mesoxalyl
term
mesozoan
term
mesozoic
term
mispil
term
mesprise
term
mesquin
term
mesquit
term
mesquite
term
mesquite
term
mess
term
message
term
message's
term
messaged
term
messageer
term
messagery
term
messages
term
messaging
term
messalian
term
messaline
term
messan
term
messans
term
messe
term
messes
term
messet
term
messiah
term
messiah's
term
messiahship
term
messianic
term
messianically
term
messianism
term
messias
messidor
messier
messiest
messieurs
messily
messin
messiness
messing
messire
messkit
messman
messmate
messmates
messmen
messor
messroom
messrs
messtin
message
messages
messy
mest
mestee
mestees
mesteno
mester
mesteso
mestesoes
mestesos
mestfull
mestino
mestinoes
mestinos
mestiza
mestizas
mestizo
mestizoes
mestizos
mestlen
mestome
mestranol
mesymnion
met
meta
metabases
metabasis
metabasite
metabatic
metabiological
metabiology
metabiosis
metabiotic
metabiotically
metabismuthic
metabisulphite
metabit
metabits
metabletic
metabola
metabole
metabolic
metabolic
metabolical
metabolically
metabolise
metabolised
metabolising
metabolism
metabolite
metabolites
metabolizability
metabolizable
metabolize
metabolized
metabolizes
metabolizing
metabolon
metabolous
metaby
metaborate
metaboric
metabranchial
metabrushite
metabular
metacapi
metacarpal
metacarpale
metacarpals
metacarpri
metacarpophalangeal
metacarpus
metacenter
metacentral
metacentre
metacentric
metacentricity
metacercaria
metacercarial
metacetone
metachemical
metachemistry
metachlamydeous
metachromasia
metachromatic
metachromatin
metachromatinic
metachromatism
metachrome
metachronal
metachronism
metachronistic
metachrosis
metacinnabar
metacinnabarite
metacircular
metacircularity
metacism
metacismus
metaclase
metaclene
metacoel
metacoelia
metaconal
metacone
metaconid
metaconule
metaoracid
metacrasia
metacresol
metacromial
metacromion
metacryl
metacyclic
metacymene
metad
metadiabase
metadiazine
metadiorite
metadiscoidal
metadromous
metae
metaethical
metaethics
metafemale
metafluidal
metaformaldehyde
metafulminuric
metagalactic
metagalaxies
metagalaxy
metagaster
metagastric
metagastrula
metage
metagelatin
metagelatine
metagenesis
metagenetic
metagenetically
metagenic
metageometer
metageometrical
metageometry
metages
metagnath
metagnathism
metagnathous
metagnosty
metagnostic
metagnosticism
metagram
metagrammatism
metagrammatize
metagraphic
metagraphy
metagrobolize
metahewettite
metahydroxide
metaigneous
metainfective
metairie
metakinesis
metakinet
metal
metal's
metalammomum
metalanguage
metalaw
metalbearing
metalbumin
metalcraft
metaloscopy
metals
metalsmith
metaluminate
metaluminic
metalware
metalwork
metalworker
metalworkers
metalworking
metalworks
metamale
metamathematical
metamathematician
metamathematics
metamer
metameral
metamere
metameres
metameric
metamERICALLY
metameride
metamerism
metamerization
metamerize
metamerized
metameric
metamerous
metamers
metamery
metamitosis
metamorphic
metamorphically
metamorphism
metamorphisms
metamorphize
metamorphopsia
metamorphopsy
metamorphosable
metamorphose
metamorphosed
metamorphoser
metamorphoses
metamorphosian
metamorphosic
metamorphosical
metamorphosing
metamorphosis
metamorphostical
metamorphosy
metamorphotic
metamorphous
metamorphy
metanalysis
metanauplius
metanephric
metanephritic
metanephroi
metanephron
metanephros
metaneptic
metanetwork
metanilic
metaniline
metanitroaniline
metanitrophenol
metanoia
metanomen
metanotal
metanotion
metanotions
metanotum
metantimonate
metantimonic
metantimonious
metantimonite
metantimonious
metanym
metaorganism
metaparapteral
metaparapteron
metapectic
metapectus
metapepsis
metaptide
metaperiodic
metaph
metaphase
metaphenomenal
metaphenomenon
metaphenylene
metaphenylenediamin
metaphenylenediamine
metaphloem
metaphoemical
metaphonize
metaphony
metapleura
metapleural
metapleure
metapleure
metapleuron
metaplumbate
metaplumbic
metaplumbate
metapneumonic
metapneustic
metapodia
metapodial
metapodia
metapodium
metapolitic
metapolitical
metapolitician
metapolitics
metapophyseal
metapophyseal
metapophysis
metapore
metapostscutellar
metapostscutellum
metaprescutal
metaprescutum
metaprotein
metapsychic
metapsychical
metapsychics
metapsychism
metapsychist
metapsychological
metapsychology
metapsychosis
metapterygial
metapterygium
metapterygoid
metarabic
metargon
metarhyolite
metarossite
metarsenic
metarsenious
metarsenite
metarule
metarules
metas
metasaccharinic
metascope
metascutal
metascutellar
metascutellum
metascutum
metasedimentary
metasequoia
metasilicate
metasilicic
metasoma
metasomal
metasomasis
metasomatic
metasomatically
metasomatism
metasomatosis
metasome
metasperm
metaspermic
metaspermous
metastability
metastable
metastably
metastannate
metastannic
metastases
metastasis
metastасize
metastasized
metastasizes
metastasizing
metastatic
metastatical
metastatically
metasternal
metasternum
metasthenic
metastibnite
metastigmatic
metastoma
metastomata
metastome
metastrophe
metastrophic
metastyle
metasympol
metasyntactic
metatantalic
metatarsal
metatarsale
metatarsally
metatarsal
metatarsi
metatarsophalangeal
metatarsus
metatarsusi
metatatic
metatatical
metatatically
metataxic
metataxis
metate
metates
metathalamus
metatheology
metatheory
metatheria
metatherian
metatheses
metathesis
metathesise
metathesize
metathetic
metathetical
metathetically
metathoraces
metathoracic
metathorax
metathoraxes
metatitanate
metatitanic
metatoluic
metatoluidine
metatracheal
metatroph
metatrophic
metatrophy
metatungstic
metatype
metatypic
metavanadate
metavanadic
metavariable
metavauxite
metavoltine
metaxenia
metaxite
metaxylem
metaxylene
metayage
metayer
metazoa
metazoal
metazoan
metazoans
metazoea
metazoic
metazoon
mete
metecorn
meted
metegritics
metel
metely
metempiric
metempirical
metempirically
metempiricism
metempiricist
metempirics
metempsychic
metempsychosal
metempsychose
metempsychoses
metempsychosic
metempsychosical
metempsychosis
metempsychosize
metemptosis
metencephala
metencephalic
metencephalla
metencephalon
metencephalons
metensarcosis
metensomatosis
metenteron
metenteronic
meteogram
meteograph
meteor
meteor's
meteorograph
meteoric
meteorical
meteorically
meteoris
meteorism
meteorist
meteoristic
meteorital
meteorite
meteorites
meteoritic
meteoritical
meteoritics
meteorization
meteorize
meteorlike
meteorogram
meteorograph
meteorographic
meteorography
meteoroid
meteoroidal
meteoroids
meteorol
meteorolite
meteorolitic
meteorologic
meteorological
meteorologically
meteorologist
meteorologists
meteorology
meteoromancy
meteorometer
meteoropathologic
meteoroscope
meteoroscopy
meteorous
meteors
meteorscope
meteopa
metepas
metepencephalic
metepencephalon
metepimeral
metepimeron
metepisternal
metepisternum
meter
meterable
meterage
meterages
metered
metergram
metering
meterless
meterman
meterological
meters
metership
meterstick
metes
metestick
metestrus
metewand
meteyard
meth
methacrylate
methacrylic
methadon
methadone
methadons
methaemoglobin
methamphetamine
methanal
methanate
methanated
methanating
methane
methanes
methanoic
methanol
methanolic
methanols
methanolysis
methanometer
methantheline
methaqualone
metheglin
methemoglobin
methemoglobinemia
methemoglobinuria
methenamine
methene
methenyl
mether
methhead
methicillin
methid
methide
methine
methinks
methiodide
methionic
methionine
metho
methobromide
method
method's
methodaster
methodeutic
methodic
methodical
methodically
methodicalness
methodics
methodise
methodised
methodiser
methodising
methodism
methodist
methodist's
methodistic
methodists
methodization
methodize
methodized
methodizer
methodizes
methodizing
methodless
methodological
methodologically
methodologies
methodologist
methodologists
methodology
methodology's
methods
methol
methomania
methone
methotrexate
methought
methoxamine
methoxide
methoxy
methoxybenzene
methoxychlor
methoxyflurane
methoxyl
methronic
meths
methuselah
methyl
methylacetanilide
methylal
methylals
methylaniline
methylaniline
methylandrene
methyldopae
methylenec
methylenimine
methylenitan
methylethylacetic
methylicglycine
methylyglycocolle
methylyglyoxal
methylyheptene
methylyc
methylyidyne
methylymalonic
methylnaphthalene
methylole
methylocolurea
methylosis
methylyotic
methylyparaben
methylypentose
methylypentoses
methylyphenidate
methylypropane
methylys
metostylos
metoxazine
metoxenous
metoxeny
metra
metralgia
metran
metranate
metranemia
metratonia
metrazol
metre
metrectasia
metrectatic
metrectomy
metrectopia
metrectopic
metrectopy
metrectotmy
metred
metregram
metreless
metreme
metres
metreship
metreta
metrete
metretes
metreza
metria
metric
metric's
metrical
metrically
metricate
metricated
metricates
metricating
metrication
metrician
metricise
metricised
metricising
metricism
metricist
metricity
metricize
metricized
metricizes
metricizing
metrics
metridium
metrification
metrified
metrifier
metrifies
metrify
metrifying
metring
metriocephalic
metrise
metrist
metrists
metritis
metritis
metrizable
metrization
metrize
metrized
metrizing
metro
metrocampsis
metrocarat
metrocarcinoma
metrocele
metrocryst
metrocolpocele
metrorcracy
metrocpheric
metrocystosis
metrodynia
metrofibroma
metrography
metroliner
metroliners
metrological
metrologically
metrologies
metrologist
metrologue
metrology
metrolymphangitis
metromalacia
metromalacoma
metromalacosis
metromania
metromaniac
metromaniacal
metrometer
metron
metroneuria
metronidazole
metronome
metronomes
metronomic
metronomical
metronomically
metronym
metronymic
metronymy
metroparalysis
metropathia
metopathic
metropathy
metropertinentis
metrophlebitis
metrophotography
metropole
metropoleis
metropolitan
metropolitanate
metropolitancy
metropolitanism
metropolitanize
metropolitanized
metropolitanship
metropolite
metropolitan
metropolitical
metropolitically
metroptosis
metroptosis
metroradioscope
metrorrhagia
metrorrhagic
metrorrhhea
metrorrhexis
metrorrhesis
metros
metrosalpingitis
metrosalpinx
metroscirrhus
metroscope
metroscopy
metrostaxis
metrostenosis
metrosteresis
metrostyle
metrosynizesis
metrotherapist
metrotherapy
metrotome
metrotometry
metrotomy
mets
mettar
mettle
mettled
mettles
mettlesome
mettlesomely
mettlesomeness
metump
metumps
metus
metusia
metwand
metze
meu
meubles
meum
meuni
meuniere
meurtriee
meuse
meute
mew
meward
mewed
mewer
mewing
mewl
mewled
mewler
mewlers
mewling
mewls
mews
mexical
mexican
mexicans
mexico
meyerhofferite
mezail
mezair
mezcal
mezcals
mezcaline
mezereon
mezereons
mezereum
mezereums
mezo
mezquit
mezquite
mezquitoes
mezquits
mezuza
mezuzaah
mezuzaas
mezuzaot
mezzanine
mezzanines
mezzavoce
mezzo
mezzograph
mezzolith
mezzolithic
mezzos
mezzotint
mezzotinted
mezzotinter
mezzotinting
mezzotinto
mf
mfd
mfg
mfr
mg
mgal
mgd
mgr
mgt
mh
miauw
miazine
mib
mibound
mibs
mica
micaceous
micacious
micacite
micah
micas
micasization
micasize
micast
micasting
micasts
micate
mication
micawber
micawberism
micawbers
mice
micell
micella
micellae
micellar
micellarly
micelle
micelles
micells
miceplot
micerun
micesource
michael
michaelmas
miche
miched
michelangelo
micher
michery
michigan
miching
micht
mick
mickery
mickey
mickeys
mickies
mickle
micklemote
mickleness
mickler
mickles
micklest
micks
micky
micmac
mico
miconcave
micra
micraco
micracoacoustic
micraesthete
micramock
micranatomy
micrander
micrandrous
micraner
micranthropos
micrencephalia
micrencephalic
micrencephalous
micrencephalus
micrencephaly
micrergate
micresthete
micrified
micrifies
micrify
micrifying
micro
microaerophile
microaerophilic
microammeter
microampere
microanalyses
microanalysis
microanalyst
microanalytic
microanalytical
microanatomical
microanatomy
microangstrom
microapparatus
microarchitects
microarchitecture
microarchitectures
microbacteria
microbacterium
microbacteteria
microbal
microbalance
microbar
microbarogram
microbarograph
microbars
microbattery
microbe
microbeam
microbeless
microbeproof
microbes
microbial
microbian
microbic
microbicidal
microbicide
microbiologic
microbiological
microbiologically
microbiologies
microbiologist
microbiologists
microbiology
microbion
microbiophobia
microbiota
microbiotic
microbious
microbism
microbium
microblast
microblepharia
microblepharism
microblephary
microbody
microbrachia
microbrachius
microburet
microburette
microburner
microbus
microbuses
microbusses
microcaltrop
microcamera
microcapsule
microcard
microcardia
microcardius
microcards
microcarpous
microcellular
microcentrosome
microcentrum
microcephal
microcephali
microcephalia
microcephalic
microcephalism
microcephalous
microcephalus
microcephaly
microceratus
microchaeta
microchaetae
microcharacter
microcheilia
microcheiria
microchemic
microchemical
microchemically
microchemistry
microchip
microchiria
microchiropteran
microchiropterous
microchromosome
microchronometer
microcinema
microcinematograph
microcinematographic
microcinematography
microcircuit
microcircuitry
microcirculation
microcirculatory
microclastic
microclimate
microclimates
microclimatic
microclimatically
microclimatologic
microclimatological
microclimatologist
microclimatology
microcline
microcneninia
microcoat
micrococcal
micrococi
micrococcic
micrococcoci
micrococcus
microcode
microcoded
microcodes
microcoding
microcoleoptera
microcolon
microcolorimeter
microcolorimetric
microcolorimetrically
microcolorimetry
microcolumnar
microcombustion
microcomputer
microcomputer's
microcomputers
microconidial
microconidium
microconjugant
microconstituent
microcopied
microcopies
microcopy
microcopying
microcoria
microcos
microcosm
microcosmal
microcosmian
microcosmic
microcosmical
microcosmically
microcosmography
microcosmology
microcosmos
microcosms
microeconomics
microelectrode
microelectrolysis
microelectronic
microelectronically
microelectronics
microelectrophoresis
microelectrophoretic
microelectrophoretical
microelectrophoretically
microelectroscope
microelement
microencapsulate
microencapsulation
microenvironment
microenvironmental
microerg
microestimation
microeutaxitic
microevolution
microevolutionary
microexamination
microfarad
microfauna
microfaunal
microfelsite
microfelsitic
microfibril
microfibrillar
microfiche
microfiches
microfilaria
microfilarial
microfilm
microfilm's
microfilmable
microfilmed
microfilmer
microfilming
microfilms
microflora
microfloral
microfluidal
microfoliation
microform
microforms
microfossil
microfungal
microfungus
microfurnace
microgalvanometer
microgamete
microgametocyte
microgametophyte
microgamies
microgamy
microgastria
microgastrine
microgauss
microgeological
microgeologist
microgeology
microgilbert
microglia
microglial
microglossia
micrognathia
micrognathic
micrognathous
microgonidial
microgonidium
microgram
microgramme
microgrammes
microgramming
micrograms
microgranite
microgranitic
microgranitoid
microgranular
microgranulitic
micrograph
micrographer
micrographic
micrographical
micrographically
micrographist
micrographs
micrography
micrograver
microgravimetric
microgroove
microgrooves
microgyne
microgyria
microhabitat
microhardness
microhenries
microhenry
microhenrys
microhepatia
microhistochemical
microhistology
microhm
microhmmeter
microhms
microhymenopteron
microimage
microinch
microinjection
microinstruction
microinstruction's
microinstructions
microjoule
microjump
microjumps
microlambert
microlecithal
microlepidopter
microlepidoptera
microlepidopteran
microlepidopterist
microlepidopteron
microlepidopterous
microleukoblast
microlevel
microlite
microliter
microlith
microlithic
microlitic
micrologic
micrological
micrologically
micrologist
micrologue
micrology
microluces
microlux
microluxes
micromania
micromaniac
micromanipulation
micromanipulator
micromanipulators
micromanometer
micromazia
micromeasurement
micromechanics
micromeli
micromelia
micromelic
micromelus
micromembrane
micromeral
micromere
micrometric
micromerism
micromeristic
micromeritics
micromesentery
micrometallographer
micrometallography
micrometallurgy
micrometeorite
micrometeoritic
micrometeorogram
micrometeorograph
micrometeoroid
micrometeorological
micrometeorologist
micrometeorology
micrometer
micrometers
micromethod
micrometric
micrometrical
micrometrically
micrometry
micromho
micromhos
micromicrocurie
micromicrofarad
micromicron
micromil
micromillimeter
micromineralogical
micromineralogy
microminiature
microminiaturization
microminiaturizations
microminiaturize
micoperthite
micoperthitic
micopetalous
micropetrography
micropetrologist
micropetrology
microphage
microphagocyte
microphagous
microphagy
microphakia
microphallus
microphobia
microphone
microphones
microphonic
microphonics
microphoning
microphonism
microphonograph
microphot
microphotograph
microphotographed
microphotographer
microphotographic
microphotographing
microphotographs
microphotography
microphotometer
microphotometric
microphotometrically
microphotometry
microphotoscope
microphthalmia
microphthalmic
microphthalmos
microphthalmus
microphyll
microphyllous
microphysical
microphysically
microphysics
microphysiology
microphytal
microphyte
microphytic
microphytology
microopia
micropin
micropipet
micropipette
microplakite
microplankton
microplastocyte
microplastometer
micropodial
micropodia
micropodous
micropoecilitic
micropoecilitic
micropoikilitic
micropolariscope
micropolarization
micropopulation
micropore
microporosity
microporous
microporphyrirtic
microprint
microprobe
microprocedure
microprocedures
microprocessing
microprocessor
microprocessor's
microprocessors
microprogram
microprogram's
microprogrammable
microprogrammed
microprogrammer
microprogramming
microprograms
microprojection
microprojector
micropsia
micropsy
micropterism
micropterous
micropterygid
micropterygious
microptic
micropublisher
micropublishing
micropulsation
micropuncture
micropylar
micropyle
micropyrometer
microradiograph
microradiographic
microradiographical
microradiographically
microradiography
microradiometer
microreaction
microreader
microrefractometer
microreproduction
microrhabdus
microrheometer
microrheometric
microrheometrical
micros
microsaurian
microscale
microscle
microsclerous
microsclerum
microscopal
microscope
microscope's
microscopes
microscopial
microscopic
microscopical
microscopically
microscopics
microscopies
microscopist
microscopize
microscopopy
microscopy
microsec
microsecond
microsecond's
microseconds
microsection
microsegment
microseism
microseismic
microseismical
microseismicity
microseismograph
microseismology
microseismometer
microseismometrograph
microseismometry
microseme
microseptum
microsiemens
microskirt
microsmatic
microsmatism
microsoftware
microsoma
microsomal
microsomatous
microsome
microsomia
microsomial
microsomic
microsommite
micropace
microsspace
microsspacing
microsspecies
microsspectrophotometer
microsspectrophotometric
microsspectrophotometrical
microsspectrophotometrically
microsspectrophotometry
microsspectroscope
microsspectroscoptic
microsspectroscopy
microsspermous
microssphaeric
microssphere
microsspheric
microsspherical
microsspherulitic
microssplanchnic
microssplenia
microssplenic
microssporangeg
microssporanggia
microssporangia
microssporangiate
microssporangium
microsspore
microsspori
microssporic
microssporidian
microtomy
microtonal
microtonality
microtonally
microtone
microtubular
microtubule
microtus
microtypal
microtype
microtypical
microvasculature
microvax
microvaxes
microvillar
microvillous
microvillus
microvolt
microvolume
microvolumetric
microwatt
microwave
microwaves
microweber
microword
microwords
microzoa
microzoal
microzoan
microzoaria
microzoarian
microzoary
microzoic
microzone
microzoid
microzoosporic
microzoospore
microzyma
microzyme
microzymian
micrurgical
micrurgic
micrurgical
micrurgies
micrurgist
micrurgy
miction
micturate
middlewards
middleway
middleweight
middleweights
middlewoman
middlewomen
middling
middlingish
middlingly
middlingness
middlings
middorsal
middy
mide
mideast
midevening
midewin
midewiwin
midfacial
midfield
midfielder
midfields
midforenoon
midfrontal
midgard
midge
midges
midget
midgets
midgety
midgut
midguts
midgy
midheaven
midi
midianite
midicoat
midified
midinette
midinettes
midiron
midirons
midis
midiskirt
midland
midlands
midlandward
midlatitude
mikvah
mikvahs
mikveh
mikvehs
mikvoth
mil
miła
milacre
miladi
miladies
miladis
milady
milage
milages
milammeter
milan
milanaise
milanese
milarite
milch
milched
milcher
milchig
milchigs
milchy
mild
milden
mildened
mildening
mildens
milder
mildest
mildew
mildewed
mildewer
mildewing
mildewproof
mildews
mildewy
mildful
mildfulness
mildhearted
mildheartedness
mildish
mildly
mildness
mildnesses
mildred
militariness
militarisation
militarise
militarised
militarising
militarism
militarist
militaristic
militaristical
militaristically
militarists
militarization
militarize
militarized
militarizes
militarizing
military
militaryism
militaryment
militaster
militate
militated
militates
militating
militation
militia
militiaman
militiamen
militias
militiate
milium
miljee
milk
milkbush
milked
milken
milkers
milkfish
milkfishes
milkgrass
milkhouse
milkier
milkiest
milkiest
milkin
milking
milkless
milklike
milkmaid
milkmaid's
milkmaids
milkman
milkmen
milkness
milko
milk
milkshake
milkshed
milkshop
milkscick
milkso
milksop
milksopism
milksoppery
milksoppiness
milksopping
milksoppish
milksoppishness
milksoppy
milksops
milkstone
milktoast
milkwagon
milkweed
milkweeds
milkwood
milkwoods
milkworts
milky
mill
milla
millable
millage
millages
millanare
millard
millboard
millcake
millclapper
millcourse
milldam
milldams
milldoll
mille
milled
millefeuille
millefiore
millefiori
millefleur
millefleurs
milleflorous
millefoliate
millenarian
millenarianism
millenaries
millenarist
millenary
millenia
millenist
millenium
millennia
millennial
millennialism
millennialist
millennialistic
millennially
millennian
millenniarism
milleniary
millennium
millenniums
milleped
millepede
millepeds
millepore
milleporiform
milleporine
milleporite
milleporous
millepunctate
miller
milleress
milleri
milleting
millerite
millerole
millers
milles
millesimal
millesimally
millet
millets
millfeed
millful
millhouse
milliad
milliamp
celluampere
celluamperemeter
celluamperes
milliangstrom
milliard
milliardaire
milliards
milliare
milliaraes
milliarium
milliary
millibar
millibarn
millibars
millicron
millicurie
millidegree
millieme
milliemes
milliequivalent
millier
milliers
millifarad
millifold
milliform
milligal
milligals
milligrade
milligram
milligramage
milligramme
milligrams
millihenries
millihenry
millihenrys
millijoule
millilambert
millile
milliliter
milliliters
millilitre
milliluces
millilux
milliluxes
millime
millimes
millimeter
millimeters
millimetre
millimetres
millimetric
millimho
millimhos
millimicra
millimicra
millimicron
millimicrons
millimol
millimolar
millimole
millincost
milline
milliner
millineral
millinering
milliners
millinery
millines
milling
millings
millinormal
millinormality
millicent
millicent
milliohm
milliohms
million
millionaire
millionaire's
millionairedom
millionaires
millionairess
millionairish
millionairism
millionary
millioned
millioner
millionfold
millionism
mills
millsite
millstock
millstone
millstone's
millstones
millstream
millstreams
milltail
millward
millwheel
millwork
millworker
millworks
millwright
millwrighting
millwrights
milly
milner
milo
milometer
milor
milord
milords
milos
milpa
milpas
milquetoast
milquetoasts
milreis
milrind
mils
milsey
milsie
miilt
milted
mitter
milters
mittier
mittiest
milting
mitlike
milton
miltonian
miltonic
miltonist
milts
miltisick
miltwaste
milty
milvine
milvinous
milwaukeee
milwell
milzbrand
mim
mima
mimamsa
mimbar
mimbars
mimble
mime
mimed
mimeo
mimeoed
mimeograph
mimeographed
mimeographic
mimeographically
mimeographing
mimeographer
mimeographers
mimeography
mimeoing
mimeos
mimer
mimers
mimes
mimesis
mimesises
mimester
mimetene
mimetesite
mimetic
mimetical
mimetically
mimetism
mimetite
mimetites
miniami
miniambic
miniambics
minic
minical
mimically
mimicly
mimic
miniaturistic
miniaturists
miniaturization
miniaturizations
miniaturize
miniaturized
miniaturizes
miniaturizing
minibike
minibikes
minibus
minibuses
minibusses
minicab
minicabs
minicam
minicamera
minicar
minicars
minicomputer
minicomputer's
minicomputers
minidisk
minidisks
minidress
minie
minienize
minification
minified
minifies
minifloppies
minifloppy
minify
minifying
miniken
minakin
minikingly
minikins
minilanguage
minim
minima
minimacid
minimal
minimalism
minimalist
minimalists
minimalkaline
minimally
minkfish
minkishes
minkish
minks
minneapolis
minnesinger
minnesingers
minnesong
minnesota
minnesota's
minnesotan
minnesotans
minnie
minniebush
minnies
minning
minnow
minnow's
minnows
minny
mino
minoan
minoise
minometer
minor
minor's
minora
minorage
minorate
minoration
minorca
minorcas
minored
minoress
minoring
minorite
minorities
minority
minority's
minor's
minors
minorship
minos
minot
minotaur
minow
mins
minisitive
minister
minsters
minsteryard
minstrel
minstrel's
minstreless
minstrels
minstrelship
minstrelsy
mint
mintage
mintages
mintbush
minted
minter
minters
mintier
mintiest
minting
mintmaker
mintmaking
mintman
mintmark
mintmaster
mints
mintweed
minty
minuend
minuends
minuet
minuetic
minuets
minum
minunet
minus
minuscular
minuscule
minuscules
minuses
minutary
minutation
minute
minuted
minutely
minuteman
minutemen
minuteness
minuter
miracidial
miracidium
miracle
miracle’s
miracled
miraclemonger
miraclemongering
miracles
miracleing
miralist
miracular
miraculist
miraculize
miraculosity
miraculous
miraculously
miraculousness
mirador
miradors
mirage
mirages
miragy
mirandous
mirate
mirbane
microbicidal
mird
mirdaha
mirdha
mire
mired
mirepois
mirepoix
miresh
mireshnipe
mirex
mirexes
miiri
miriam
mirid
mirier
miriest
mirific
mirifical
miriki
miriness
mirinesses
miring
mirish
mirk
mirker
mirkest
mirkier
mirkiest
mirkily
mirkiness
mirkish
mirkly
mirkness
mirks
mirksome
mirky
mirled
mirligo
mirliton
mirlitons
mirly
miro
mirror
mirrored
mirroring
mirrorize
mirrorlike
mirrors
mirrorscope
mirrory
mirs
mirth
mirthful
mirthfully
mirthfulness
mirthless
mirthlessly
mirthlessness
mirths
mirthsome
mirthsomeness
mirv
mirvs
miro
mirochit
mirza
mirzas
mis
misaccent
misaccentuation
misaccept
misacceptation
misaccount
misaccused
misachievement
misacknowledge
misact
misacted
misacting
misacts
misadapt
misadaptation
misadapted
misadapting
misadapts
misadd
misadded
misadding
misaddress
misaddressed
misaddresses
misaddressing
misaddressrest
misadds
misadjudicated
misadjust
misadjusted
misadjusting
misadjustment
misadjusts
misadmeasurement
misadminister
misadministration
misaddressed
misaddressing
misadrest
misadvantage
misadventure
misadventurer
misadventures
misadventurous
misadventuously
misadventurence
misadvice
misadvise
misadvised
misadvisedly
misadvisedness
misadvises
misadvising
misaffect
misaffected
misaffection
misaffirm
misagent
misagents
misaim
misaimed
misaiming
misaims
misalienate
misaligned
misalignment
misalignments
misallegation
misallege
misalleged
misalleging
misalliance
misalliances
misaligned
misallies
misallocation
misallot
misallotment
misallotted
misallotting
misallowance
misally
misallying
misalphabetize
misalphabetized
misalphabetizes
misalphabetizing
misalter
misaltered
misaltering
misalters
misanalysis
misanalyze
misanalyzed
misanalyzely
misanalyzing
misandry
misanter
misanthrope
misanthropes
misanthropy
misanthropia
misanthropic
misanthropically
misanthropically
misanthropies
misanthropism
misanthropist
misanthropists
misanthropize
misanthropos
misanthropy
misapparel
misappear
misappearance
misappellation
misappended
misapplicability
misapplication
misapplied
misapplier
misapplies
misapply
misapplying
misappoint
misappointment
misappraise
misappraised
misappraisement
misappraising
misappreciate
misappreciation
misappreciative
misprehend
misprehended
misprehending
misprehendingly
misprehends
misprehensible
misprehension
misprehensions
misprehensive
misprehensively
misprehensiveness
misappropriate
misappropriated
misappropriately
misappropriates
misappropriating
misappropriation
misappropriations
misarchism
misarchist
misarrange
misarranged
misarrangement
misarrangements
misarranges
misarranging
misarray
misarticulate
misarticulated
misarticulating
misarticulation
misascribe
misascription
misaspersion
misassay
misassayed
misassaying
misassays
misassent
misassert
misassertion
misassign
misassignment
misassociate
misassociation
misate
misatone
misatoned
misatones
misatoning
misattend
misattribute
misattribution
maunter
misauthorization
misauthorize
misauthorized
misauthorizing
misaventure
misaver
misaverred
misaverring
misavers
misaward
misawarded
misawarding
misawards
misbandage
misbaptize
misbear
misbecame
misbecome
misbecoming
misbecomingly
misbecomingness
misbede
misbefall
misbefallen
misbefitting
misbegan
misbeget
misbegetting
misbegin
misbeginning
misbegins
misbegot
misbegotten
misbegun
misbehave
misbehaved
misbehover
misbehavers
misbehaves
misbehaving
misbehavior
misbehaviour
misbeholden
misbelief
misbeliefs
misbelieve
misbelieved
misbeliever
misbelieving
misbelievingly
misbelove
misbeseem
misbestow
misbestowal
misbestowed
misbestowing
misbestows
misbetide
misbias
misbiased
misbiases
misbiasing
misbiassed
misbiasses
misbiassing
misbill
misbilled
misbilling
misbills
misbind
misbinding
misbinds
misbirth
misdode
misboden
misborn
misbound
misbrand
misbranded
misbranding
misbrands
misbrew
misbuild
misbuilding
misbuilds
misluilt
mibusy
misbuttoned
misc
miscal
miscalculate
miscalculated
miscalculates
miscalculating
miscalculation
miscalculation's
miscalculations
miscalculator
miscall
miscalled
miscaller
miscalling
miscalls
miscanonize
miscarriage
miscarriageable
miscarriages
miscarried
miscarries
miscarry
miscarrying
miscast
miscasted
miscasting
miscasts
miscasualty
miscategorize
miscategorized
miscategorizing
misce
misceability
miscegenate
miscegenation
miscegenational
miscegenationist
miscegenations
miscegenator
miscegenetic
miscegenist
miscegene
miscellanarian
miscellane
miscellanea
miscellaneal
miscellaneity
miscellaneous
miscellaneously
miscellaneousness
miscellanies
miscellanist
miscellany
miscensure
miscensured
miscensuring
mischallenge
mischance
mischanceful
mischances
mischancy
mischeranter
mischacterization
mischacterize
mischaracterized
mischaracterizing
mischarge
mischarged
mischarges
mischarging
mischief
mischiefful
mischiefs
mischieve
mischievous
mischievously
mischievousness
mischio
miscoice
mischoose
mischoosing
mischose
mischosen
mischristen
miscibilities
miscibility
miscible
miscipher
miscitation
miscite
miscited
miscites
misciting
misclaim
misclaimed
misclaiming
misclaims
miscalss
miscalssed
miscalsses
miscalssification
miscalssifications
miscalssified
miscalssifies
miscalssify
miscalssifying
miscalssing
miscognizable
miscognizant
miscoin
miscoinage
miscoined
miscoining
miscoins
miscollocation
miscolor
miscoloration
miscolored
miscoloring
miscolors
miscolour
miscomfort
miscommand
miscommit
miscommunicate
miscommunication
miscommunications
miscompare
miscomplacence
miscomplain
miscomplaint
miscompose
miscomprehend
miscomprehension
miscomputation
miscompute
miscomputed
miscomputing
misconceit
misconceive
misconceived
misconceiver
misconceives
misconceiving
misconception
misconception's
misconceptions
misconclusion
miscondition
misconduct
misconducted
misconducting
misconfer
misconfidence
misconfident
misconfiguration
misconjecture
misconjectured
misconjecturing
misconjugate
misconjugated
misconjugating
misconjugation
misconjunction
misconnection
misconsecrate
misconsecrated
misconsequence
misconstitutional
misconstruable
misconstrual
misconstruct
misconstruction
misconstructions
misconstructive
misconstrue
misconstrued
misconstruer
misconstrues
misconstruing
miscontent
miscontinuance
misconvenient
misconvey
miscook
miscooked
miscookery
miscooking
miscooks
miscopied
miscopies
miscopy
miscopying
miscorrect
miscorrected
miscorrecting
miscorrection
miscounsel
miscounseled
miscounseling
miscounselling
miscount
miscounted
miscounting
miscounts
miscovet
miscreance
miscreancy
miscreant
miscreants
miscreate
miscreated
miscreating
miscreation
miscreative
miscreator
miscredit
miscredited
miscredulity
miscreed
miscrit
miscrop
miscue
miscued
miscues
miscuing
miscultivated
misculture
miscurvature
miscut
miscuts
miscutting
misdate
misdated
misdateful
misdates
misdating
misdaub
misdeal
misdealer
misdealing
misdeals
misdealt
misdecide
misdecision
misdeclaration
misdeclare
misdeed
misdeeds
misdeem
misdeemed
misdeemful
misdeeming
misdeems
misdefine
misdirecting
misdirection
misdirections
misdirects
misdispose
misdisposition
misdistinguish
misdistribute
misdistribution
misdived
misdivide
misdividing
misdivision
misdo
misdoer
misdoers
misdoes
misdoing
misdoings
misdone
misdoubt
misdoubted
misdoubtful
misdoubting
misdoubts
misdower
misdraw
misdrawing
misdrawn
misdraws
misdread
misdrew
misdrive
misdriven
misdrives
misdriving
misdrove
mise
misease
miseased
miseases
miseat
miseating
miseats
misecclesiastic
misedit
misedited
misediting
misedits
miseducate
miseducated
miseducates
miseducating
miseducation
miseducative
miseffect
misemphasis
misemphasize
misemphasized
misemphasizing
misemploy
misemployed
misemploying
misemployment
misemploys
misencourage
misendeavor
misenforce
misengrave
misenite
misenjoy
misenrol
misenroll
misenrolled
misenrolling
misenrolls
misenrols
misenter
misentered
misentering
misenters
misentitle
misentreat
misentries
misentry
misnunciation
miser
miserabilia
miserabilism
miserabilist
miserabilistic
miserability
miserable
miserableness
miserably
miseration
miserdom
misere
miserect
miserere
misereres
miserhood
misericord
misericorde
misericordia
miseries
miserism
miserliness
miserly
misers
misery
misery's
mises
misesteem
misesteemed
misesteeming
misestimate
misestimated
misestimating
misestimation
misevaluate
misevaluation
misevent
misevents
misexample
miseexecute
miseexecution
misexpectation
misexpend
misexpenditure
misexplain
misexplained
misexplanation
misexplicate
misexplication
misexposition
misexpound
misexpress
misexpression
misexpressive
misfaith
misfaiths
misfall
misfare
misfashion
misfashioned
misfate
misfather
misfault
misfeasance
misfeasances
misfeasor
misfeasors
misfeature
misfeatured
misfeign
misfield
misfielded
misfielding
misfields
misfigure
misfile
misfiled
misfiles
misfiling
misfire
misfired
misfires
misfiring
misfit
misfit's
misfits
misfitted
misfitting
misfocus
misfocused
misfocusing
misfocussed
misfocussing
misfond
misfonded
misfunding
misfunding
misforgive
misform
misformation
misformed
misforming
misforms
misfortunate
misfortunately
misfortune
misfortune's
misfortuned
misfortuner
misfortunes
misframe
misframed
misframed
misframing
misgauge
misgauged
misgauges
misgauging
misgave
misgesture
misgive
misgiven
misgives
misgiving
misgivingly
misgivingly
misgivings
misgo
misgotten
misgovern
misgovernance
misgoverned
misgoverning
misgovernment
misgovernor
misgoverns
misgracious
misgrade
misgraded
misgrading
misgraff
misgraffed
misgraft
misgrafted
misgrafting
misgrafts
misgrave
misgrew
misground
misgrounded
misgrow
misgrowing
misgrown
misgrows
misgrowth
misguage
misguaged
misidentifying
misimagination
misimagine
misimpression
misimprove
misimproved
misimprovement
misimproving
misimputation
misimpute
misincensed
misincite
misinclination
misincline
misinfer
misinference
misinferred
misinferring
misinfers
misinflame
misinform
misinformant
misinformants
misinformation
misinformative
misinformed
misinformer
misinforming
misinforms
misingenuity
misinspired
misinstruct
misinstructed
misinstructing
misinstruction
misinstructions
misinstructive
misinstructs
misingintelligence
misintelligible
misintend
misintention
misinter
misinterment
misinterpret
misinterpretable
misinterpretation
misinterpretations
misinterpreted
misinterpreter
misinterpreting
misinterprets
misinterred
misinterring
misinters
misintimation
misiones
misitemized
misjoin
misjoinder
misjoined
misjoining
misjoins
misjudge
misjudged
misjudgement
misjudger
misjudges
misjudging
misjudgingly
misjudgment
misjudgments
miskal
miskals
miskeep
miskeeping
miskeeps
misken
miskenning
miskent
miskill
miskin
miskindle
misknew
misknow
misknowing
misknowledge
misknown
misknows
misky
mislabel
mislabeled
mislabelling
mislabeled
mislabelling
mislables
mislabor
mislabored
mislaboring
mislabors
mislaid
mislain
mislanguage
mislay
mislayer
mislayers
mislaying
mislays
mislead
misleadable
misleader
misleading
misleadingly
misleadingness
misleads
mislear
misleared
mislearn
misleamed
mislearning
mislearns
mislearnt
misled
misleered
milen
mislen
miste
mislie
mislies
misligh
mislighted
mislighting
mislights
mislikable
mislike
misliked
misliken
mislikeness
misliker
misliker
mislikes
misliking
mislikingly
mislin
mislipp
mislit
mislive
mislived
mislives
misliving
mislled
misllocate
misllocated
misllocating
misllocation
mislodge
mislodged
mislodges
mislodging
misluck
mislly
misllying
mismade
mismake
mismaking
mismanage
mismanageable
mismanaged
mismanagement
mismanager
mismanages
mismanaging
mismannered
mismanners
mismark
mismarked
mismarking
mismarks
mismarriage
mismarriages
mismarry
mismatch
mismatched
mismatches
mismatching
mismatchment
mismate
mismated
mismates
mismating
miszme
mismeasure
mismeasured
mismeasurement
mismeasuring
mismeet
mismeeting
mismeets
mismenstruation
mismet
mismetre
misminded
mismingle
mismosh
mismoshes
mismotion
mismount
mismove
mismoved
mismoves
mismoving
misname
misnamed
misnames
misnaming
misnarrate
misnarrated
misnarrating
misnarrated
misnamed
misnamed
misnarrate
misnarrated
misnarrating
misnarrated
misnomed
misnomer
misnomered
misnomers
misnumber
misnumbered
misnumbering
misnumbers
misnurture
misnutrition
miso
misobedience
misobey
misobservance
misobserve
misocainea
misocapnic
misocapnist
misocatholic
misoccupied
misoccupy
misoccupying
misogallic
misogamic
misogamies
misogamist
misogamists
misogamy
misogyne
misogynic
misogynical
misogynies
misogynism
misogynist
misogynistic
misogynistical
misogynists
misogynous
misogyny
misohellene
misologies
misologist
misology
misomath
misoneism
misoneist
misoneistic
misopedia
misopaedism
misopaedist
misopaterist
misopedia
misopedism
misopedist
misopinion
misopolemical
misorder
misordination
misorganization
misorganize
misorganized
misorganizing
misorient
misorientation
misos
misoscopist
misosopher
misosophist
misosophy
misotheism
misotheist
misotheistic
misotramontanism
misotyrann
misoxene
misoxeny
mispackaged
mispacked
mispage
mispaged
mispages
mispagination
mispaging
mispaid
mispaint
mispainted
mispainting
mispaints
mispars
misparsed
misparses
misparsing
mispert
misperted
misperting
misperts
mispasion
mispatch
mispached
mispached
mispachtes
mispaching
mispay
mispaying
mispenn
mispended
mispenned
mispennning
mispens
misperceive
misperceived
misperceiving
misperception
misperform
misperformance
misperuse
misphrase
misphrased
misphrasing
mispick
mispickel
misplace
misplaced
misplacement
misplaces
misplacing
misplant
misplanted
misplanting
misplants
misplay
misplayed
misplaying
misplays
misplay
misplead
mispleaded
mispleading
mispleads
misplease
mispled
mispoint
mispointed
mispointing
mispoints
mispoise
mispoised
mispoises
mispoising
mispolicy
misposition
mispossessed
mispractice
mispracticed
mispracticing
mispractise
mispractised
mispractising
mispraise
misprejudiced
mispresent
misprincipled
misprint
misprinted
misprinting
misprints
misprisal
misprise
misprised
mispriser
misprising
misprision
misprisions
misprizal
misprize
misprized
misprizer
misprizes
misprizing
misproceeding
misproduce
misproduced
misproducing
misprofess
misprofessor
mispronounce
mispronounced
mispronouncement
mispronuncer
mispronounces
mispronouncing
mispronunciation
mispronunciations
misproportion
misproportioned
misproportions
misproposal
mispropose
misproposed
misproposing
misproud
misprompt
misprompt
misprompt
misprovide
misprovidence
misprovoke
misprovoked
misprovoking
mispublish
mispublished
mispunch
mispunctuate
mispunctuated
misrefers
misreflect
misreform
misregulate
misregulated
misregulating
misrehearsal
misrehearse
misrehearsed
misrehearsing
misrelate
misrelated
misrelating
misrelation
misreliance
misrelied
misrelies
misreligion
misrely
misrelying
misremember
misremembers
misremembrance
misrender
misrendering
misrepeat
misreport
misreported
misreporter
misreporting
misreports
misreposed
misrepresent
misrepresentation
misrepresentation's
misrepresentations
misrepresentative
misrepresented
misrepresenatee
misrepresenter
misrepresenting
misrepresents
misreprint
misrepute
misresemblance
misresolved
misresult
misreward
mishryme
mishrymed
mishrymer
mishrule
mishruled
misherler
misherules
misheruling
misheruly
mishrun
miss
missa
missable
missaid
missal
missals
missample
missampled
missampling
missang
missary
missatical
missay
missayer
missaying
missays
misscribed
misscribing
misscript
misseat
misseatd
misseatng
misseatngs
missed
misseeem
missel
misseldin
missels
missemblance
missend
missending
missends
missense
missenses
missent
missentence
misserve
misservice
misses
misset
missetting
misshape
misshaped
misshapen
misshapenly
misshapenness
misshapes
misshaping
misship
misshipment
misshipped
misshipping
misshod
misshood
missible
missies
missificate
missile
missile's
missileer
missileman
missilemen
missileproof
missilery
missiles
missilries
missilry
missiness
missing
missingly
missiology
mission
missional
missionaries
missionarize
missionary
missionary's
missionaryship
missioned
missioner
missioning
missionization
missionize
missionizer
missions
missis
missises
missish
missishness
mississipian
mississippi
mississippian
misit
missive
missives
missmark
missment
missort
missorted
missorting
missorts
missound
missounded
missounding
missounds
missouri
missourian
missourians
missourite
missout
missouts
misspace
misspaced
misspaces
misspacing
misspeak
misspeaking
misspeaks
misspeech
misspeed
misspell
misspelled
misspelling
misspellings
misspells
misspelt
misspend
misspender
misspending
misspends
misspent
misspoke
missspoken
misstart
mistune
mistuned
mistunes
mistuning
misture
misturn
mistutor
mistutored
mistutoring
mistutors
misty
mistyish
mistype
mistyped
mistypes
mistyping
mistypings
misunderstand
misunderstandable
misunderstander
misunderstanders
misunderstanding
misunderstanding's
misunderstandingly
misunderstandings
misunderstands
misunderstood
misunderstoodness
misunion
misunions
misura
misusage
misusages
misuse
misused
misuseful
misusement
misuser
misusers
misuses
misusing
misusurped
misvaluation
misvalue
misvalued
misvalues
misvaluing
misventure
misventurous
misviding
misvouch
misvouched
miswandered
misway
miswed
miswedded
misween
miswend
miswern
miswire
miswired
miswiring
miswisdom
miswish
miswoman
misword
misworded
miswording
miswords
misworship
misworshiped
misworshiper
misworshipper
miswrest
miswrit
miswrite
miswrites
miswriting
miswritten
miswrote
miswrought
misy
misyoke
misyoked
misyokes
misyoking
miszealous
miszone
miszoned
miszoning
mit
mit’s
mitapsis
mitch
mitchboard
mite
mitogen
mitogenetic
mitogenic
mitogenicity
mitogens
mitokoromono
mitome
mitomycin
mitoses
mitosis
mitosome
mitotic
mitotically
mitra
mitraille
mitrailleur
mitrailleuse
mitral
mitrate
mitre
mitred
mitreflower
mitrer
mitres
mitrewort
mitriform
mitring
mitsumata
mitsvah
mitsvahs
mitsvoth
mitt
mittatur
mittelhand
mitten
mitten's
mittened
mittenlike
mittens
mittent
mittimus
mittimuses
mittle
mits
mitty
mitvoth
mitty
mitsvah
mnemonizing
mnemosyne
mnemotechnic
mnemotechnical
mnemotechnics
mnemotechnist
mnemotechny
mnesic
mnestic
mniaceous
mnioid
moa
moabite
moabitish
moan
moaned
moanful
moanfully
moanification
moaning
moaningly
moanless
moans
moas
moat
moat's
moated
moathill
moating
moatlike
moats
mob
mob's
mobable
mobbable
mobbled
mobber
mobbers
mobbie
mobbing
mobbish
mobbishly
mobbishness
mobbism
mobbist
mobbble
mobby
modalize
modally
modder
mode
model
model's
modeled
modeler
modelers
modeless
modelessness
modeling
modelings
modelist
modelize
modelled
modeller
modellers
modelling
modelmaker
modelmaking
models
modem
modems
modena
moder
moderant
moderantism
moderantist
moderate
moderated
moderately
moderateness
moderates
moderating
moderation
moderationism
moderationist
moderations
moderatism
moderatist
moderato
moderator
moderatorial
moderators
moderatorship
moderatos
moderatrix
modern
moderne
moderner
modernest
modernicide
modernisation
modernise
modernised
moderniser
modernish
modernising
modernism
modernist
modernistic
modernists
modernities
modernity
modernizable
modernization
modernize
modernized
modernizer
modernizers
modernizes
modernizing
modernly
modernness
moderns
modes
modest
modester
modestest
modesties
modestly
modestness
modesty
modge
modi
modiation
modica
modicity
modicum
modicums
modif
modifiability
modifiable
modifiableness
modifiably
modificability
modificable
modificand
modification
modificationist
modifications
modificative
modificator
modificatory
modified
modifier
modifiers
modifies
modify
modifying
modili
modillion
modiolar
modioli
modiolus
modish
modishly
modishness
modist
modiste
modistes
modistry
modius
modo
modred
mods
modula
modulability
modulant
modular
modularity
modularization
modularize
modularized
modularizes
modularizing
modularly
modulate
modulated
modulates
modulating
modulation
modulations
moisturized
moisturizer
moisturizers
moisturizes
moisturizing
moisty
moit
moither
moitier
moitiest
moity
mojarra
mojarras
mojo
mojos
mokaddam
mokador
mokamoka
moke
mokes
moki
mokihana
mokihí
moko
moksha
mokum
moky
mol
mola
molal
molalities
molality
molar
molariform
molarimeter
molarities
molarity
molars
molary
molas
molasse
molasses
molasseses
molassied
molassy
molave
mold
moldability
moldable
moldableness
moldasle
moldavite
moldboard
moldboards
molded
molder
moldered
moldering
molders
moldery
moldier
moldiest
moldiness
molding
moldings
moldmade
moldproof
molds
moldwarp
moldwarps
moldy
mole
molebut
molecast
molecula
molecular
molecularist
molecularity
molecularly
molecule
molecule's
molecules
molehead
moleheap
molehill
molehillish
molehills
molehilly
moleism
molelike
molendinar
molendinary
molengraaffite
moleproof
moler
moles
moleskin
moleskins
molest
molestation
molestations
molested
molester
molesters
molestful
molestfully
molestie
molesting
molestious
molests
molet
molewarp
moliere
molies
molified
molify
molifying
molilalia
molimen
moliminous
molinary
moline
molinet
moling
molinism
molation
molka
moll
molla
mollah
mollahs
molland
molle
molles
mollescence
mollescent
mollenton
mollichop
mollicrush
mollie
mollienisia
mollient
molliently
mollies
mollyhawk
mollymawk
molman
molmen
molmutian
moloch
molochs
molocker
moloid
moloker
molompi
molosse
molosses
molossian
molassic
molossine
molossoid
molossus
molpe
molrooken
mols
molt
molted
molten
moltenly
molter
molters
molting
molto
mols
molten
molucca
molvi
moly
molybdate
molybdena
molybdenic
molybdeniferous
molybdenite
molybdenous
molybdenum
molybdic
molybdite
molybdocardialgia
molybdocolic
molybdodyspepsia
molybdomaney
molybdomenite
momo
moms
momser
momus
momuses
momzer
mon
mona
monacanthid
monacanthine
monacanthous
monacetin
monach
monachal
monachate
monachism
monachist
monachization
monachize
monacid
monacidic
monacids
monacillo
monacillos
monaco
monact
monactin
monactinal
monactine
monactinellid
monactinellidan
monad
monadal
monadelph
monadelphia
monadelphian
monadelphous
monades
monadic
monadical
monadically
monadiform
monadigerous
monadism
monadisms
monadistic
monadnock
monadology
monads
monaene
monal
monamide
monamine
monamniotic
monander
monandria
monandrian
monandric
monandries
monandrous
monandry
monanthous
monaphase
monapsal
monarch
monarchal
monarchally
monarchess
monarchial
monarchian
monarchianism
monarchianist
monarchianistic
monarchic
monarchical
monarchically
monarchies
monarchism
monarchist
monarchistic
monarchists
monarchize
monarchized
monarchizer
monarchizing
monarchlike
monarcho
monarchomachic
monarchomachist
monarchs
monarchy
monarchy's
monarda
monardas
monarthritis
monarticular
monas
monascidian
monase
monaster
monasterial
monasterially
monasteries
monastery
monastery's
monastic
monastical
monastically
monasticism
monasticize
monastics
monatomic
monatomically
monatomicity
monatomism
monaul
monauli
monaulos
monaural
monaurally
monax
monaxial
monaxile
monaxon
monaxional
monaxonic
monazine
monazite
monazites
monchiquite
mondain
mondaine
monday
monday's
mondays
monde
mondego
mondes
mondial
mondo
mondos
mondsee
mone
monecian
monecious
monedula
monel
monembryary
monembryonic
monembryony
moneme
monepic
monepiscopacy
monepiscopal
monepiscopus
moner
monera
moneral
moneran
monergic
monergism
monergist
monergistic
moneric
moneron
monerons
monerozoan
monerozoic
monerula
monesia
monest
monestrous
monetarily
monetarism
monetarist
monetarists
monetary
moneth
monetise
monetised
monetises
monetising
monetite
monetization
monetize
monetized
monetizes
monetizing
money
moneyage
moneybag
moneybags
moneychanger
moneychangers
moneyed
moneyer
moneyers
moneyflower
moneygetting
moneygrub
moneygrubber
moneygrubbing
moneying
moneylender
moneylenders
moneylending
moneyless
moneylessness
moneymake
moneymaker
moneymakers
moneymaking
moneyman
moneymonger
moneymongering
moneyocracy
moneys
moneysaving
moneywise
moneywort
mong
monegeese
monger
mongered
mongerer
mongering
mongers
mongery
mongler
mongo
mango
mongoe
mongoes
mongol
mongolia
mongolian
mongolianism
mongolians
mongolic
mongolism
mongoloid
mongoloids
mongots
mongoose
mogooses
mongos
mongrel
mongreldom
mongrelisation
mongrelise
mongrelised
mongreliser
mongrelish
mongrelising
mongrelism
mongrelity
mongrelization
mongrelize
mongrelized
mongrelizing
mongrelly
mongrelness
mongrels
mongst
monheimite
monial
monic
monica
monicker
monickers
monie
monied
monier
monies
moniker
monikers
monilated
monilethrix
moniliaceous
monilial
moniliasis
monilicorn
moniliform
moniliformly
monilioid
moniment
monimiaceous
monimolite
monimostylic
monish
monished
monisher
monishes
monishing
monishment
monism
monisms
monist
monistic
monistical
monisticaly
monists
monitary
monition
monitions
monitive
monitor
monitored
monitorial
monitorially
monitories
monitoring
monitorish
monitors
monitorship
monitory
monitress
monitrix
monk
monk's
monkbird
monkcraft
monkdom
monkeries
monkery
monkeryies
monkess
monkey
monkeyboard
monkeyed
monkeyface
monkeyfied
monkeyflower
monkeyfy
monkeyfying
monkeyhood
monkeying
monkeyish
monkeyishly
monkeyishness
monkeyism
monkeylike
monkeynut
monkeypod
monkeypot
monkeyrony
monkeyry
monkeys
monkeyshine
monkeyshines
monkeytail
monkfish
monkfishes
monkflower
monkhood
monkhoods
monkish
monkishly
monkishness
monkism
monklike
monkliness
monkly
monkmonger
monks
monkship
monkshood
monkshoods
monmouth
monmouthite
monniker
monnion
monny
mono
monoacetate
monoacetin
monoacid
monoacidic
monoacids
monoalphabetic
monoamid
monoamide
monoamin
monoamine
monoaminergic
monoamino
monoammonium
monoatomic
monoazo
monobacillary
monobase
monobasic
monobasicity
monobath
monoblastic
monoblepsia
monobloc
monobranchiate
monobromacetone
monobromated
monobromide
monobrominated
monobromination
monobromized
monobromoacetonilide
monobromoacetone
monobutyrin
monocable
monocalcium
monocarbide
monocarbonate
monocarbonic
monocarboxylic
monocardian
monocarp
monocarpal
monocarpellary
monocarpian
monocarpic
monocarpous
monocarps
monocellular
monocentric
monocentrid
monocentroid
monocephalous
monocerco
monocercous
monoceros
monocerous
monochasia
monochasial
monochasium
monochlamydeous
monochlor
monochloracetic
monochlorantracene
monochlorbenzene
monochloride
monochlorinated
monochlorination
monochloro
monochloroacetic
monochlorobenzene
monochloromethane
monochaonitic
monochord
monochordist
monochordize
monochroic
monochromasy
monochromat
monochromate
monochromatic
monochromatically
monochromaticity
monochromatism
monochromator
monochrome
monochromes
monochromic
monochromical
monochromically
monochromist
monochromous
monochromy
monochronic
monochronometer
monochronous
monociliated
monocle
monocled
monocleid
monocleide
monocles
monoclinal
monoclinally
monocline
monoclinian
monoclinic
monoclinism
monoclinometric
monoclinous
monoclinal
monocoelian
monocoelic
monocondylar
monocondylian
monocondylotic
monocondylous
monocoque
monocormic
monocot
monocots
monocotyl
monocotyledon
monocotyledonous
monocotyledons
monocracy
monocrat
monocratic
monocratis
monocrats
monocratic
monocraticism
monocular
monocularity
monocularly
monoculate
monocule
monoculist
monoculous
monocultural
monoculture
monoculus
monocyanogen
monocyte
monocytes
monocytic
monocytoid
monocytopoiesis
monodactyl
monodactylate
monodactyle
monodactylism
monodactyloous
monodactyly
monodelph
monodelphian
monodelphic
monodelphous
monodermic
monodic
monodical
monodically
monodies
monodimetric
monodist
monodists
monodize
monodomous
monodont
monodontal
monodram
monodrama
monodramatic
monodramatist
monodrame
monodromic
monodromy
monody
monodynamic
monodynamism
monoecia
monoecian
monoecies
monoecious
monoeciously
monoeciousness
monoecism
monoecy
monoeidic
monoenergetic
monoester
monoestrous
monoethanolamine
monoethylamine
monofil
monofilament
monofilm
monofils
monoflagellate
monoforamin
monofuel
monofuels
monogamian
monogamic
monogamies
monogamik
monogamist
monogamistic
monogamists
monogamou
monogamous
monogamously
monogamousness
monogamy
monoganglionic
monogastric
monogene
monogenean
monogeneity
monogeneous
monogenesis
monogenesist
monogenesy
monogenetic
monogenie
monogenically
monogenies
monogenism
monogenist
monogenistic
monogenous
monogeny
monogerm
monoglot
monoglycerid
monoglyceride
monogoneutic
monogonoporic
monogonoporos
monogony
monogram
monogram’s
monogramed
monograming
monogramm
monogrammatic
monogrammatical
monogrammed
monogrammic
monogramming
monograms
monograph
monograph's
monographed
monographer
monographers
monographs
monographic
monographical
monographically
monographing
monographist
monographs
monography
monograpthid
monogynia
monogynic
monogynies
monogynious
monogynist
monogynoeclal
monogynous
monogyny
monohull
monohybrid
monohydrate
monohydrated
monohydric
monohydrogen
monohydroxy
monoicous
monoid
monoketone
monokini
monolater
monolatrist
monolatrous
monolatry
monolayer
monoline
monolingual
monolinguist
monoliteral
monolith
monolithal
monolithic
monolithically
monolithism
monoliths
monolobular
monolocular
monolog
monologian
monologic
monological
monologies
monologist
monologists
monologize
monologized
monologizing
monologs
monologue
monologues
monologuist
monologuists
monology
monomachist
monomachy
monomail
monomania
monomaniac
monomaniacal
monomaniacs
monomarias
monomark
monomastigate
monomeniscous
monomer
monomeric
monomerous
monomers
monometalism
monometalist
monometallic
monometallism
monometallist
monometer
monomethyl
monomethylamine
monomethylated
monomethyllic
monometric
monometrical
monomial
monomials
monomict
monomineral
monomineralic
monomolecular
monomolecularly
monomolybdate
monomorphemic
monomorphic
monomorphism
monomorphous
monomyarian
monomyary
mononaphthalene
mononch
mononeural
mononitrate
mononitrated
mononitration
mononitrile
mononitrobenzene
mononomial
mononomial
monont
mononuclear
mononucleated
mononucleoses
mononucleosis
mononucleotide
mononychous
mononym
mononymic
mononymization
mononymize
mononomy
monoousian
monoousious
monoparental
monoparesis
monoparesthesia
monopathic
monopathy
monopectinate
monopersonal
monopersulfuric
monopersulphuric
monopetalous
monophagia
monophagism
monophagous
monophagy
monophase
monophasia
monophasic
monophobia
monophoic
monophone
monophonic
monophonically
monophonies
monophonous
monophony
monophotal
monophote
monophthalmic
monophthalmus
monophthong
monophthongal
monophthongization
monophthongize
monophthongized
monophthongizing
monophyletic
monophyleticism
monophyletism
monophylety
monophylite
monophyllous
monophyodont
monophyodontism
monophysite
monopitch
monoplace
monoplacula
monoplacular
monoplaculate
monoplane
monoplanes
monoplanist
monoplasmatic
monoplasmic
monoplast
monoplastic
monoplegia
monoplegic
monoploid
monopneumonian
monopneumonous
monopode
monopodes
monopodia
monopodial
monopodially
monopodic
monopodies
monopodium
monopodous
monopody
monopolar
monopolaric
monopolarity
monopole
monopoles
monopolies
monopolisation
monopolise
monopolised
monopoliser
monopolising
monopolism
monopolist
monopolistic
monopolistically
monopolists
monopolitical
monopolizable
monopolization
monopolize
monopolized
monopolizer
monopolizes
monopolizing
monopoloid
monopolous
monopoly
monopoly's
monopolylogist
monopolylogue
monopotassium
monoprionid
monoprionidian
monoprogrammed
monoprogramming
monopropellant
monoprotic
monopsonistic
monopsony
monopsychism
monoptera
monopteral
monopteroid
monopteron
monopteros
monopterous
monoptic
monoptical
monoptote
monoptotic
monoptera
monopylean
monopyrenous
monorail
monorailroad
monorails
monorailway
monorchid
monorchidism
monorchis
monorchism
monorganic
monorhinal
monorhine
monorhinous
monorhyme
monorhymed
monorhythmic
monorime
monos
monosaccharide
monosaccharose
monoschemic
monoscope
monose
monosemic
monosemy
monosepalous
monoservice
monosexualities
monosexuality
monosilane
monosilicate
monosilicic
monosiphonic
monosiphonous
monoski
monosodium
monosomatic
monosomatous
monosome
monosomes
monosomic
monospace
monosperm
monospermal
monospermic
monospermous
monospermy
monospherical
monospondylic
monosporangium
monospore
monospored
monosporiferous
monosporous
monostable
monostele
monostelic
monostelous
monostely
monostich
monostichic
monostichous
monostomatous
monostome
monostomous
monostromatic
monostrophe
monostrophic
monostrophics
monostylyous
monosubstituted
monosubstitution
monosulfone
monosulfonic
monosulphide
monosulphone
monosulphonic
monosyllabic
monosyllabical
monosyllabically
monosyllabicity
monosyllabism
monosyllabize
monosyllable
monosyllables
monosyllogism
monosymmetric
monosymmetrical
monosymmetrically
monosymmetry
monosymptomatic
monosynaptic
monosynaptically
monosynthetic
monotelephone
monotelephonic
monotellurite
monotessaron
monothalamian
monothalamic
monothalamic
monothalamous
monothecal
monotheism
monotheist
monotheistic
monotheistical
monotheistically
monotheists
monothelete
monothelious
monothelism
monothelite
monothetic
monotic
monotint
monotints
monotocardiac
monotocardian
monotocous
monotomous
monotonal
monotone
monotones
monotonic
monotonical
monotonically
monotonicity
monotonies
monotonist
monotonize
monotonous
monotonously
monotonousness
monotony
monotremal
monotremata
monotremate
monotrematous
monotreme
monotremous
monotrichate
monotrichic
monotrichous
monotriglyph
monotriglyphic
monotrochal
monotrochian
monotrochous
monotron
monotropaceous
monotrophic
monotropic
monotropically
monotropies
monotropy
monotypal
monotype
monotypes
monotypic
monotypical
monotypous
monoureide
monovalence
monovalency
monovalent
monovariant
monoverticillate
monovoltine
monovular
monoxenous
monoxide
monoxides
monoxime
monoxyla
monoxyle
monoxylic
monoxylon
monoxylyous
monozoan
monozoic
monozygotic
monozygous
monroe
monroism
monrolite
mons
monseigneur
monseignevr
monsia
monsieur
monsieurs
monsieurship
monsignor
monsignore
monsignori
monsignorial
monsignors
monsoon
monsoonal
monsoonish
monsoonishly
monsoons
monospermy
monster
monster's
monsterhood
monsterlike
monsters
monstership
monstrance
monstrances
monstrate
monstration
monstrator
monstricide
monstriferous
monstrification
monstrify
monstrosities
monstrosity
monstrous
monstrously
monstrousness
mont
montabyn
montadale
montage
montaged
montages
montaging
montagnard
montagne
montague
montana
montana's
montanan
montanans
montanas
montane
montanes
montanic
montanin
montanism
montanite
montant
montanto
montbretia
monte
montebrasite
montegre
monteith
monteiths
montem
montera
monterey
montero
monteros
montes
montessori
montessorian
montevideo
montezuma
montgolfier
montgolfiers
montgomery
montgomeryshire
month
month's
(monthlies
(monthlong
(monthly
(monthon
(months
(montia
(monticellite
(monticle
(monticola
(monticolae
(monticoline
(monticulate
(monticule
(monticuline
(monticuliporidean
(monticuliporoid
(monticulose
(monticulous
(monticulus
(montiform
(montigenous
(montilla
(montjoy
(montjoye
(montmartrite
(montmorillonite
(montmorillonitic
(montmorilonite
(monton
(montpelier
(montre
(montreal
(montross
(montroydite
(monture
(montuvio
(monument
(monument's
(monumental
(monumentalise
(monumentalised
(monumentalising
(monumentalism
(monumentality
(monumentalization
(monumentalize
(monumentalized
monumentalizing
monumentally
monumentary
monumented
monumenting
monumentless
monumentlike
monuments
monuron
monurons
mony
monzodiorite
monzogabbro
monzonite
monzonitic
moo
moocah
mooch
moocha
mooched
moocher
moochers
mooches
mooching
moochulka
mood
mood's
mooder
moodier
moodiest
moodily
moodiness
moodir
moodish
moodishly
moodishness
moodle
moods
moody
mooed
mooing
mookhtar
mooktar
mool
moola
moolah
moolahs
moolas
moolet
mooley
mooleys
moolings
mools
moolum
moolvee
moolvi
moolvie
moon
moonack
moonal
moonbeam
moonbeams
moonbill
moonblind
moonblink
moonbow
moonbows
mooncalf
mooncalves
mooncreeper
moondog
moondown
moondrop
mooned
mooner
moonery
moonet
mooneye
mooneyes
moonface
moonfaced
moonfall
moonfish
moonfishes
moonflower
moong
moonglade
moonglow
moonhead
moonie
moonier
mooniest
moonily
mooniness
moonling
moonish
moonishly
moonite
moonja
moonjah
moonless
moonlessness
moonlet
moonlets
moonlight
moonlighted
moonlighter
moonlighters
moonlighting
moonlights
moonlighty
moonlike
moonlikeness
moonling
moonlit
moonlitten
moonman
moonmen
moonpath
moonpenny
moonproof
moonquake
moonraker
moonraking
moonrat
moonrise
moonrises
moons
moonsail
moonsails
moonscape
moonscapes
moonseed
moonseeds
moonset
moonsets
moonshade
moonshee
moonshine
moonshined
moonshiner
moonshiners
moonshining
moonshiny
moonshot
moonshots
moonsick
moonsickness
moonsif
moonstone
moonstones
moonstricken
moonstruck
moontide
moonwalk
moonwalker
moonwalking
moonwalks
moonward
moonwards
moonway
moonwort
moonworts
moony
moop
moor
moorage
moorages
moorball
moorband
moorberries
moorberry
moorbird
moorburn
moorburner
moorburning
moorcock
moore
moored
mooress
moorflower
moorfowl
moorfowls
moorhen
moorhens
moorier
mooriest
mooring
moorings
moorish
moorishly
moorishness
mopy
moquette
moquettes
mor
mora
morabit
moraceous
morada
morae
morainal
moraine
moraines
morainic
moral
morale
moraler
morales
moralioralist
moralise
moralised
moralises
moralising
moralism
moralisms
moralist
moralistic
moralistically
moralists
moralities
morality
moralization
moralize
moralized
moralizer
moralizers
moralizes
moralizing
moralizingly
moraller
morallless
morally
moralness
morals
moras
morass
morasses
morassic
morassweed
morass
gs
morat
or
oration
oratoria
oratorium
oratoriums
oratory
orattoria
oravian
oravite
oray
orays
orbid
orbidezza
orbidities
orbidity
orbindize
orbidly
orbidness
orbiferal
orbiferous
orbific
orbifical
orbifically
orbify
orbility
orbillary
orbilli
orbilliform
orbillous
orbleu
orbose
orbus
orceau
orceaux
orcellate
orcellated
orcellating
orcellation
orcellement
orche
ord
orxious
orously
ordacity
ordancies
ordancy
mordant
mordanted
mordanting
mordantly
mordants
mordecai
mordellid
mordelloid
mordenite
mordent
mordents
mordicant
mordicate
mordication
mordicative
mordieu
mordisheen
mordore
mordu
more
moreen
moreens
morefold
moreish
morel
morella
morelle
morelles
morello
morellos
morels
morena
morencite
morendo
moreness
morenita
morenosite
moreover
morepeon
morepork
mores
moresco
moaresque
moresques
morfond
morfound
morfounder
morfrey
morg
morga
morgan
morganatic
morganatical
morganatically
morganic
morganite
morganize
morgay
morgen
morgengift
morgens
morgenstern
morglay
morgue
morgues
morian
moribund
moribundity
moribundly
moric
morice
moriche
moriform
morigerate
morigeration
morigerous
morigerously
morigerousness
moriglio
morillon
morin
morindin
morindone
morinel
moringa
moringaceous
moringad
morinuid
moringuoid
morion
morions
morisco
morish
morkin
morling
morlop
mormaer
mormal
mormaor
mormaordom
mormaorship
mormo
mormon
mormonism
mormons
mormorando
mormyr
mormyre
mormyrian
mormyrid
mormyroid
morn
mornay
morne
morned
mornette
morning
morningless
morningly
mornings
morningstar
morningtide
morningward
mornless
mornlike
morns
morntime
mornward
moro
moroc
morocain
moroccan
moroccans
morocco
moroccos
morocota
morological
morologically
morologist
morology
moromancy
moron
moroncy
morone
morones
morong
moronic
moronically
moronism
moronisms
moronities
moronity
moronry
morons
moror
morosaurian
morosauroid
morose
morosely
moroseness
morosis
morosities
morosity
morosoph
moroxite
morph
morphactin
morphallaxes
morphallaxis
morphea
morpheme
morphemes
morphemic
morphemically
morphemics
morphetic
morphicus
morphew
morphgan
morphia
morphias
morphiate
orphic
morphically
morphin
morphinate
morphine
morphines
morphinic
morphinism
morphinist
morphinization
morphinize
morphinomania
morphinomaniac
morphins
morphiomania
morphiomiamic
morphism
morphisms
morphized
morphizing
morpho
morphogeneses
morphogenesis
morphogenetic
morphogenetically
morphogenic
morphogeny
morphographer
morphographic
morphographical
morphographist
morphography
morphol
morpholin
morpholine
morphologic
morphological
morphologically
morphologies
morphologist
morphologists
morphology
morpholoical
morphometric
morphometrical
morphometrically
morphometry
morphon
morphoneme
morphonomic
morphonomy
morphophoneme
morphophonemic
morphophonemically
morphophonemics
morphophyly
morphoplasm
morphoplasmic
morphos
morphoses
morphosis
morphotic
morphotonemic
morphotonemics
morphotropic
morphotropism
morphotropy
morphous
morphrey
morphs
morpion
morpunkee
morra
morral
morrhuate
morrhuin
morrhuine
morrice
morricer
morrion
morrians
morris
morrices
morro
morros
morrow
morrowing
morrowless
morrowmass
morrows
morrowspeech
morrowtide
mors
morsal
morse
morsel
morsel's
morseled
morseling
morselization
morselize
morselled
morselling
morsels
mortice
morticed
morticer
mortices
mortician
morticians
morticing
mortier
mortiferous
mortiferously
mortiferousness
mortific
mortification
mortifications
mortified
mortifiedly
mortifiedness
mortifier
mortifies
mortify
mortifying
mortifyingly
mortis
mortise
mortised
mortiser
mortisers
mortises
mortising
mortlake
mortling
mortmain
mortmainer
mortmains
mortorio
mortress
mortreux
mortrewes
morts
mortuarian
mortuaries
mortuary
mortuous
morula
morulae
morular
morulas
morulation
mosoceca
mosocecum
mosque
mosquelet
mosques
mosquish
mosquital
mosquito
mosquitobill
mosquitocidal
mosquitocide
mosquitoes
mosquitoey
mosquitofish
mosquitofishes
mosquitoish
mosquitoproof
mosquitos
mosquitoey
moss
moss's
mossback
mossbacked
mossbacks
mossbanker
mosssberry
mossbunker
mossed
mosser
mossers
mossery
mosses
mossful
mosshead
mosshorn
mossie
mossier
mossiest
mossiness
mossing
mossless
mosslike
mosso
mosstrooper
mosstroopery
mosstrooping
mosswort
mossy
mothergate
motherhood
motherhouse
motheriness
mothering
motherkin
motherkins
motherland
motherlands
motherless
motherlessness
motherlike
motherliness
motherling
motherly
mothers
mothership
mothersome
motherward
motherwise
motherwort
mothery
mothier
mothiest
mothless
mothlike
mothproof
mothproofed
mothproofer
mothproofing
moths
mothworm
mothly
motif
motif’s
motific
motifs
motile
motiles
motilities
motility
motion
motionable
otional
motioned
motioner
motioners
motioning
motionless
motionlessly
motionlessness
motions
motitation
motivate
motivated
motivates
motivating
motivation
motivational
motivationally
motivations
motivative
motivator
motive
motived
motiveless
motivelessly
motivelessness
motiveness
motives
motivic
motiving
motivities
motivity
motivo
motley
motleyer
motleyest
motleyness
motleys
motlier
motliest
motmot
motmots
motocar
motocross
motocycle
motofacient
motograph
motographic
motomagnetic
moton
motoneuron
motophone
motor
motorable
motorbicycle
motorbike
motorbikes
motorboat
motorboater
motorboating
motorboatman
motorboats
motorbus
motorbuses
motorbusses
motorcab
motorcade
motorcades
motorcar
motorcar's
motorcars
motorcoach
motorcycle
motorcycle's
motorcycled
motorcyclist
motorcyclists
motordom
motordrome
motored
motorial
motoric
motorically
motoring
motorings
motorisation
motorise
motorised
motorises
motorising
motorism
motorist
motorist's
motorists
motorium
motorization
motorize
motorized
motorizes
motorizing
motorless
motorman
motormen
motorneer
motorphobe
motorphobia
motorphobiac
motors
motorsailer
motorscooters
motorship
motorships
motortruck
motortrucks
motorway
motorways
motory
motricity
mots
mott
motte
mottes
mottetto
mottle
mottled
mottledness
mottlement
mottler
mottlers
mottles
mottling
motto
mottoed
mottoes
mottoless
mottolike
mottos
mottramite
motts
motty
motyka
mou
mouch
moucharabies
moucharaby
mouchard
mouchardism
mouche
mouched
mouches
mouching
mouchoir
mouchoirs
mouchrabieh
moud
moudie
moudieman
moudy
moue
mouedhin
moues
moufflon
moufflons
moufflon
mouflons
mought
mouill
mouillation
mouille
mouillure
moujik
moujiks
moul
mouillage
moulages
mould
mouldboard
moulded
moulder
mouldered
mouldering
moulders
mouldery
mouldier
mouldies
mouldiest
mouldiness
moulding
mouldings
mouldmade
moulds
mouldwarp
mouldy
moule
moulin
moulinage
moulinet
moulins
mouleens
moulrush
mouls
moult
moulted
moulted
moulten
moulter
moulter
moulters
moulters
moult
moulted
moulten
moulter
mouls
moulvi
mouly
moun
mound
mounded
moundiness
mounding
moundlet
mounds
moundsman
moundsmen
moundwork
moundy
mounseer
mount
mountable
mountably
mountain
mountain's
mountained
mountaineer
mountaineered
mountaineering
mountaineers
mountainer
mountainet
mountainette
mountainless
mountainlike
mountainous
mountainously
mountainousness
mountains
mountainside
mountainsides
mousebird
moused
mousee
mouses
musefish
musefishes
musehawk
mousehole
mousehound
mousekin
mouselet
mouselike
mouseling
mousemill
mousepox
mouselproof
mouser
mouseries
mousers
mousy
mouses
mouseship
mousetail
mousetrap
mousetrapped
mousetrapping
mousetraps
mouseweb
mousey
mousier
mousiest
mousily
mousiness
mousing
mousingly
mousings
mousle
mousingly
mousme
mousmee
mousquetaire
mousquetaires
moussaka
moussakas
mousse
mousseline
mousses
mousseux
mowe
mowed
mower
mowers
mowha
mowhawk
mowhay
mowie
mowing
mowlane
mown
mowra
mowrah
mows
mowse
mowstead
mowt
mowth
moxa
moxas
moxibustion
moxie
moxieberries
moxieberry
moxies
moy
moya
moyen
moyenant
moyener
moyenless
moyenne
moyite
moyl
moyle
moyo
mozambique
mozarab
mozart
moze
mozemize
mozetta
mozettas
mozette
mozing
mozo
mozos
mozzarella
muchachos
muchel
muches
muchfold
muchly
muchness
muchnesses
muchwhat
mucic
mucid
mucidities
mucidity
mucidness
muciferous
mucic
muciform
mucigen
mucigenous
mucilage
mucilages
mucilaginous
mucilaginosely
mucilaginousness
mucin
mucinogen
mucinoid
mucinolytic
mucinous
mucins
muciparous
mucivore
mucivorous
muck
muckamuck
mucked
muckender
mucker
muckerer
muckerish
muckerism
muckers
mucket
muckhill
muckhole
muckibus
muckier
muckiest
muckily
mucormycosis
mucorrhea
mucorrhoea
mucors
mucosa
mucosae
mucosal
mucosanguineous
mucosas
mucose
mucoserous
mucosities
mucosity
mucosocalcareous
mucosogranaular
mucosopurulent
mucososaccharine
mucous
mucousness
mucoviscidosis
mucoviscoidosis
mucro
mucronate
mucronated
mucronately
mucronation
mucrones
mucroniferous
mucroniform
mucronulate
mucronlatitous
muculent
mucus
mucuses
mucusin
mud
mudar
mudbank
mudcap
mudcapped
mudcapping
mudcaps
mudcat
mudd
mudde
mudded
mudden
mudder
mudders
muddied
muddier
muddies
muddiest
muddify
muddily
muddiness
mudding
muddish
muddle
muddlebrained
muddled
muddledness
muddleom
muddlehead
muddleheaded
muddleheadedness
muddlement
muddleproof
mudder
muddlers
muddles
muddlesome
muddling
muddlingly
muddy
muddybrained
muddybreast
muddyheaded
muddying
mudee
mudfat
mudfish
mudfishes
mudflow
mudguard
mudguards
mudhead
mudhole
mudhook
mudhopper
mudir
mudiria
mudirieh
mudland
mudlark
mudlarker
mudlarks
mudless
mudminnow
mudminnows
mudpack
mudproof
mudpuppies
mudpuppy
mudra
mudras
mudrock
mudrocks
mudroom
mudrooms
muds
mudsill
mudsills
mudskipper
mudslng
mudslinger
mudslingers
mudslnging
mudspate
mudspringer
mudstain
mudstone
mudstones
mudsucker
mudtrack
mudweed
mudwort
mueddin
mueddins
muenster
muensters
muermo
muesli
muette
muezzin
muezzins
mufasal
muff
muff's
muffed
muffer
muffet
muffetee
muffin
muffin's
muffineer
muffing
muffins
muffish
muffishness
muffle
muffled
muffledly
muffleman
mufflemen
muffler
muffers
muffles
mufflin
muffling
muffs
mufly
mufti
muftis
mufty
mug
mug's
muga
mugearite
mugful
mugg
muggar
muggars
mugged
mugger
muggered
muggering
muggers
muggery
mugget
muggier
muggiest
muggily
mugginess
mugging
muggings
muggins
muggish
muggles
muggletonian
muggs
muggur
muggurs
muggy
mugho
mughopine
mughouse
mugience
mugiency
mugient
mugiliform
mugiloid
mugs
muguet
mugweed
mugwet
mugwort
mugworts
mugwump
mugwumpery
mugwumpian
mugwumpish
mugwumpism
mugwumps
muhammad
muhammadan
muhammadanism
muhammadi
muharram
muhlies
muhly
muid
muir
muirburn
muircock
muirfowl
muishond
muist
mujeres
mujik
mujiks
mujahid
mukade
mukhtar
mukluk
mukluks
muktar
muktatma
muktear
muktii
muktuk
mulada
muladi
mulaprakriti
mulatta
mulatto
mulattoes
mulattoism
mulattos
mulattress
mulberries
mulberry
mulberry's
mulch
mulched
mulcher
mulches
mulching
mulct
mulctable
mulctary
mulcation
mulctative
mulctatory
mulcted
mulcting
mulcts
mulctuary
mulder
mule
mule's
muleback
muled
mulefoot
mulefooted
muleman
mulemen
mules
mulet
muleta
muletas
muleteer
muleteers
muletress
muletta
mulewort
muley
muleys
mulga
muliebral
muliebria
muliebrile
muliebrity
muliebrous
mulier
mulierine
mulierly
mulierose
mulierosity
multiety
muling
mulish
mulishly
mulishness
mulism
mulita
mulk
mull
mulla
mullah
mullahism
mullahs
mullar
mullas
mulled
mullein
mulleins
mullen
mullenize
mullens
muller
mullerian
mullers
mullet
muletry
mullets
mulley
mulleys
mullid
mulligan
mulligans
mulligatawny
mulligrubs
mulling
mullion
mullioned
mullioning
mullions
mullite
mullites
mullock
mullocker
mullocks
mullocky
mulloid
mulloway
mulls
mulm
mulmul
mulmull
mulmulus
mulsify
mult
multangle
multangula
multangular
multangularly
multangularness
multangulous
multangulum
multanimous
multarticulate
multeity
multi
multiangular
multiareolate
multiarticular
multiarticulate
multiarticulated
multiaxial
multiaxially
multiband
multibirth
multibit
multiblade
multibladed
multiblock
multibranched
multibranchiate
multibreak
multibus
multibyte
multicamerate
multicapitate
multicapsular
multicarinate
multicarinated
multicast
multicasting
multicasts
multicelled
multicellular
multicellularity
multicentral
multicentrally
multicentric
multichannel
multichanneled
multichannelled
multicharge
multichord
multichrome
multicide
multiciliate
multiciliated
multicipital
multicircuit
multicircuited
multicoccous
multicoil
multicollinearity
multicolor
multicolored
multicolorous
multicoloured
multicomponent
multicomputer
multiconductor
multiconstant
multicordate
multicore
multicorneal
multicostate
multicourse
multicrystalline
multics
multicultural
multicurie
multicuspid
multicuspidate
multicuspidated
multicycle
multicylinder
multicylindered
multidentate
multidenticate
multidenticulate
multidenticulated
multidestination
multidigitate
multidimensional
multidimensionality
multidirectional
multidisciplinary
multidiscipline
multidisperse
multidrop
multiengine
multiengined
multiethnic
multiexhaust
multifaced
multifaceted
multifactor
multifactorial
multifactorially
multifamilial
multifamily
multifarious
multifariously
multifariousness
multiferous
multifetation
multifibered
multifibrous
multifid
multifidly
multifidous
multifidus
multifil
multifilament
multifistular
multifistulous
multiflagellate
multiflagellated
multiflash
multiflora
multiflorae
multifloras
multiflorous
multiflow
multiflue
multifocal
multifoil
multifoiled
multifold
multifoldness
multifoliate
multifoliolate
multifont
multiform
multiformed
multiformity
multiframe
multifunction
multifurcate
multiganglionic
multigap
multigerm
multigranular
multigranulate
multigranulated
multigraph
multigrapher
multigravida
multiguttulate
multigyrate
multihead
multihearth
multihop
multihued
multihull
multi-infection
multi-infection
multi-infection
multi-jet
multi-jugate
multi-jugous
multilaciniate
multilamellar
multilamellate
multilamellous
multilaminar
multilaminate
multilaminated
multilane
multilaned
multilateral
multilaterality
multilaterally
multilayer
multilayered
multileaving
multilevel
multileveled
multilighted
multilinear
multilingual
multilingualism
multilingually
multilingualist
multilirate
multiliteral
multilith
multilobar
multilobate
multilobe
multilobed
multilobular
multilobulate
multilobulated
multilocation
multilocular
multiloculate
multiloculated
multiloquence
multiloquent
multiloquious
multilocuous
multiloquy
multimachine
multimacular
multimammate
multimarble
multimascular
multimedia
multimedial
multimegaton
multimetalic
multimetallic
multimetallism
multimetallist
multimeter
multimicrocomputer
multimillion
multimillionaire
multimillionaires
multimodal
multimodality
multimode
multimolecular
multimotor
multimotored
multinational
multinationals
multinervate
multinervose
multinodal
multinodate
multinode
multinodous
multinodular
multinominal
multinominial
multinominal
multinomious
multinuclear
multinucleate
multinucleated
multinucleolar
multinucleolate
multinucleolated
multiovular
multiovulate
multiovulated
multipacket
multipara
multiparae
multiparient
multiparity
multiparous
multipartisan
multipartite
multiparty
multipass
multipath
multiped
multipede
multipeds
multiperforate
multiperforated
multipersonal
multiphase
multiphaser
multiphasic
multiphotography
multipinnate
multiplan
multiplane
multiplated
multiple
multiple's
multiplepoining
multiples
multiplet
multiplex
multiplexed
multiplexer
multiplexers
multiplexes
multiplexing
multiplexor
multiplexor's
multiplexors
multipliable
multipliableness
multiplicability
multiplicable
multiplicand
multiplicand's
multiplicands
multiplicate
multiplication
multipicalational
multiplications
multiplicative
multipicatively
multiplicatives
multiplicator
multiplicious
multiplicities
multiplicity
multiplied
multiplier
multipliers
multiplies
multiply
multiplying
multipointed
multipolar
multipolarity
multipole
multiported
multipotent
multipresence
multipresent
multiprocess
multiprocessing
multiprocessor
multiprocessor's
multiprocessors
multiprogram
multiprogrammed
multiprogramming
multipronged
multipurpose
multiplying
multiracial
multiracialism
multiradial
multiradiate
multiradiated
multiradical
multiradicate
multiradicular
multiramified
multiramose
multiramous
multirate
multireflex
multiregister
multiresin
multirole
multirooted
multirotation
multirotatory
multisaccate
multisacculate
multisacculated
multiscience
multiscreen
multiseated
multisection
multiparous
multiparous
multisegmental
multisegmentate
multisegmented
multisense
multisensory
multisensual
multiseptate
multiserial
multiserially
multiseriate
multiserver
multishot
multisiliquous
multisonant
multisonic
multisonorous
multisonorously
multisonorousness
multisonous
multispecies
multispeed
multispermous
multispicular
multispiculate
multispindle
multispindled
multispinous
multispiral
multispired
multistage
multistaminate
multistate
multistep
multistorey
multistoried
multistory
multistratified
multistratous
multistriate
multisulcate
multisulcated
multisyllabic
multisyllability
multisyllable
multisystem
multitagged
multitarian
multitask
multitasking
multitentacled
multitentaculate
multitester
multitheism
multitheist
multithread
multithreaded
multititular
multitoed
multitoned
multitube
multituberculate
multituberculated
multituberculism
multituberculy
multitubular
multitude
multitude's
multitudes
multitudinal
multitudinary
multitudinism
multitudinist
multitudinistic
multitudinosity
multitudinous
multitudinously
multitudinousness
multiturn
multiuser
multivagant
multivalence
multivalency
multivalent
multivalued
multivalve
multivalved
multivalvular
multivane
multivariant
multivariate
multivariates
multivarious
multiversant
multiverse
multiversion
multiversities
multiversity
multivibrator
multiview
multiviewing
multivincular
multivious
multivitamin
multivitamins
multivocal
multivocality
multivocalness
multivoiced
multivolent
multivoltine
multivolume
multivolumed
multivorous
multiwall
multiway
multiword
multiwords
muito
multocular
multum
multungulate
multure
multurer
multures
mulvel
mum
mumble
mumblebee
mumbled
mumblement
mumbler
mumblers
mumbles
mumbletypeg
mumbling
mumblingly
mumblings
mumbo
mumbudget
mumchance
mume
mumhouse
munjuma
mumm
mummed
mummer
mummeries
mummers
mummery
mummia
mummichog
mummick
mundanely
mundaneness
mundanism
mundanity
mundation
mundatory
mundic
mundificant
mundification
mundified
mundifier
mundify
mundifying
mundil
mundivagant
mundle
mundungo
mundungos
mundungus
mundunugu
mung
munga
mungcorn
munge
munger
mungey
mungo
mungofa
mungoos
mungoose
mungooses
mungos
mungrel
munguba
mungy
munic
munich
municipal
municipalise
municipalism
municipalist
municipalities
municipality
municipality's
municipalization
municipalize
municipalized
municipalizer
municipalizing
municipally
municipia
municipium
munific
munificence
munificency
munificent
munificently
munificentness
munificience
munify
muniment
muniments
munite
munited
muniting
munition
munitionary
munitioned
munitioneer
munitioner
munitioning
munitioning
munitions
munity
munj
munjeet
munjistin
munjon
munnions
muns
munshi
munisif
munisiff
munster
munsters
munt
muntin
munting
muntings
muntins
muntjac
muntjacs
muntjak
muntjaks
muntz
muon
muonic
murga
murgavi
murgeon
muriate
muriated
muriates
muriatic
mericate
mericated
murices
muricid
muriciform
muricine
muricoid
muriculate
murid
muridism
murids
muriform
muriformly
murine
murines
muring
murinus
murionitric
muriti
murium
murk
murker
murkest
murkier
murkiest
murkily
murkiness
murkish
murkly
murkness
murks
murksome
murky
murlack
murlain
murlemewes
murlin
murlock
murly
murmur
murmuration
murtherer
murthering
murthers
murumuru
muruxi
murva
murza
mus
musa
musaceous
musal
musang
musar
musard
musardry
musca
muscade
muscadel
muscadelle
muscadels
muscadet
muscadin
muscadine
muscae
muscalonge
muscardine
muscari
muscariiform
muscarine
muscarkinic
muscarris
muscat
muscatel
muscatels
muscatorium
muscats
muscavada
muscavado
muschelkalk
muscicapine
muscicide
muscicole
muscicoline
muscicolous
muscid
muscids
musciform
muscle
musclebound
muscled
muscleless
musclelike
musclemen
muscles
muscling
muscly
muscoid
muscologic
muscological
muscologist
muscology
muscone
muscose
muscoseness
muscosity
muscot
muscovade
muscovadite
muscovado
muscovite
muscovites
muscovitization
muscovitize
muscovitized
muscovy
muscow
musculamine
muscular
muscularities
muscularity
muscularize
muscularly
musculcation
musculature
musculatures
muscle
musculi
musculin
musculoarterial
musculocellular
musculocutaneous
musculodermic
musculoelastic
musculofibrous
musculointestinal
musculoligamentous
musculomembranous
musculopallial
musculophrenic
musculoskeletal
musculospinal
musculospiral
musculotegumentary
musculotendinous
muscular
muscule
muse
mused
museful
musefully
musefulness
museist
museless
muselessness
muselike
museographer
museographist
museography
museologist
museology
muser
musers
musery
muses
muset
musette
musettes
museum
museum's
museumize
museums
mush
musha
mushaa
mushed
musher
mushers
mushes
mushhead
mushheaded
mushheadedness
mushier
mushiest
mushily
mushiness
mushing
mushla
mushmelon
mushrebiyeh
mushroom
mushroomed
mushroomer
mushroomic
mushrooming
mushroomlike
mushrooms
mushroomy
mushru
mushrump
mushy
music
musica
musical
musicale
musicales
musicality
musicalization
musicalize
musically
musicalness
musicals
musicate
musician
musiciana
musicianer
musicianly
musicians
musicianship
musicker
musicless
musiclike
musicmonger
musico
musicoartistic
musicodramatic
musicofanatic
musicographer
musicography
musicological
musicologically
musicologies
musicologist
musicologists
musicologue
musicology
musicomania
musicomechanical
musicophile
musicophilosophical
musicophobia
musicophysical
musicopoetic
musicotherapies
musicotherapy
musicproof
musicry
musics
musie
musily
musimon
musing
musingly
musings
musion
musit
musive
musjid
musjids
musk
muskadel
muskallonge
muskallunge
muskat
musked
muskeg
muskeggy
muskegs
muskellunge
muskellunges
musket
musket's
musketade
musketeer
musketeers
musketlike
musketo
musketoon
musketproof
musketries
musketry
muskets
muskflower
muskgrass
muskie
muskier
muskies
muskiest
muskified
muskily
muskiness
muskish
muskit
muskits
musklike
muskmelon
muskmelons
muskogeanc
muskogeec
muskone
muskox
muskoxen
muskrat
muskrat's
muskrats
muskroot
musk
muskwood
musky
muslim
muslims
muslin
muslined
muslinet
muslinette
muslins
musmon
musnud
muso
musophagine
musophobia
muspike
muspikes
musquash
musquashes
musquashroot
musquashweed
musquaspen
musquaw
musquito
musrol
musroomed
muss
mussable
mussably
mussack
mussal
mussalchee
mussed
mussel
mussel's
musselercker
musseled
musseler
mussellim
mussels
musses
mussick
mussier
mussiest
mussily
mussiness
mussing
mussitate
mussitation
mussolini
mussuck
mussuk
mussulman
mussurana
mussy
must
mustache
mustached
mustaches
mustachial
mustachio
mustachioed
mustachios
mustafina
mustafuz
mustang
mustanger
mustangs
mustard
mustarder
muttering
mutteringly
mutters
mutton
muttonbird
muttonchop
muttonchops
muttonfish
muttonfishes
muttonhead
muttonheaded
muttonheadedness
muttonhood
muttonmonger
muttons
muttonwood
muttony
mutts
mutual
mutualisation
mutualise
mutualised
mutualising
mutualism
mutualist
mutualistic
mutualities
mutuality
mutualization
mutualize
mutualized
mutualizing
mutually
mutualness
mutuals
mutuant
mutuary
mutuate
mutuatitious
mutuel
mutuels
mutular
mutulary
mutule
mutules
mutus
mutuum
mutwalli
myelocytic
myelocytosis
myelodias
tasis
myeloencephalitis
myelofibrosis
myelofibrotic
myelganglitis
myelogenesis
myelogenetic
myelogenic
myelogenous
myelogram
myelographic
myelagnostically
myelography
myeloid
myelomalacia
myelomas
myelomata
myelomatoid
myelomatosis
myelomatous
myelomenia
myelomeningitis
myelomeningocele
myelomere
myelon
myelonal
myeloneuritis
myelonic
myeloparalysis
myelopathic
myelopathy
myelopetal
myelophthisis
myeloplast
myeloplastic
myelopax
myeloplaxes
myeloplegia
myeloysis
myelopoietic
myeloproliferative
myelorrhagia
myelorrhaphy
myelosarcoma
myelosclerosis
myelospasm
myelospongium
myelosyphilis
myelosyphilosis
myelosyringosis
myelotherapy
myelozoan
myentasis
myenteric
myenteron
myesthesia
myg
mygale
mygalid
mygaloid
myiases
myiasis
myiferous
myiodesopsia
myiosis
myitis
mykiss
mylar
myliobatid
myliobatine
myliobatoid
mylodei
mylodon
mylodont
mylohyoid
mylohyoidean
mylohyoidei
mylohyoideus
mylonite
mylonites
mylonitic
mym
mymarid
myna
mynah
mynahs
mynas
mynheer
mynheers
mynpacht
mynpachtbrief
myoalbumin
myoalbumose
myoatrophy
myoblast
myoblastic
myoblasts
myocardia
myocardiac
myocardiac
myocardial
myocardiogram
myocardiograph
myocarditic
myocarditis
myocardium
myocdia
myocele
myocellulitis
myoclonic
myoclonus
myocoel
myocoele
myocoelom
myocolpitis
myocoenoma
myocommata
myocyte
myodegeneration
myodiastasis
myodynamic
myodynamics
myodynamiometer
myodynamometer
myoedema
myoelectric
myoendocarditis
myoentotomy
myoepicardial
myoepithelial
myofibril
myofibrilla
myofibrillar
myofibroma
myofilament
myogen
myogenesis
myogenetic
myogenic
myogenicity
myogenous
myoglobin
myoglobinuria
myoglobulin
myogram
myograph
myographer
myographic
myographical
myographically
myographist
myographs
myography
myohaematin
myohematin
myohemoglobin
myohemoglobinuria
myoid
myoidema
myoinositol
myokinesis
myokymia
myolemma
myolipoma
myoliposis
myoliposmias
myologic
myological
myologies
myologisral
myologist
myology
myolysis
myoma
myomalacia
myomaney
myomantic
myomas
myomata
myomatous
myomectomies
myomectomy
myomelanosis
myomere
myometritis
myometrium
myomohysterectomy
myomorph
myomorphic
myomotomy
myonema
myoneme
myoneural
myoneuralgia
myoneurasthenia
myoneure
myoneuroma
myoneurosis
myonosus
myopachynsis
myoparalysis
myoparesis
myopathia
myopathic
myopathies
myopathy
myope
myoperitonitis
myopes
myopan
myophore
myorphorous
myophysical
myophysics
myopia
myopias
myopic
myopical
myopically
myopies
myoplasm
myoplastic
myoplasty
myopolar
myoporaceous
myoporad
myoproteid
myoprotein
myoproteose
myops
myopy
myorrhaphy
myorrhexis
myriad
myriaded
myriadfold
myriadly
myriads
myriadth
myriagram
myriagramme
myrialiter
myrialitre
myriameter
myriametre
myriapod
myriapodan
myriapidous
myriapods
myriarch
myriarchy
myriare
myrica
myricaceous
myricas
myricetin
myricin
myricyl
myricyclic
myringa
myringectomy
myringitis
myringodectomy
myringodermatitis
myringomycosis
myringoplasty
myringotome
myringotomy
myriological
myriologist
myriologue
myriophyllite
myriophyllous
myriopod
myriopodous
myriopods
myriorama
myrioscope
myriosporous
myriotheism
myriotheist
myriotrichiaceous
myristate
myristic
myristica
myristicaceous
myristicivorous
myristin
myristone
myrmecobiine
myrmecobine
myrmecochorous
myrmecochory
myrmecoid
myrmecoidy
myrmecological
myrmecologist
myrmecology
myrmecophagine
myrmecophagoid
myrmecophagous
myrmecophile
myrmecophilism
myrmecophilous
myrmecophily
myrmecophobic
myrmecophyte
myrmecophytic
myrmekite
myrmicid
myrmicine
myrmicoid
myrmidon
myrmidons
myrmotherine
myrobalan
myron
myronate
myronic
myropolist
myrosin
myrosinase
myrothamnaceous
myrrh
myrrhed
myrrhic
myrrhine
myrrhol
myrrhophore
myrrhs
myrrhy
myrsinaceous
myrsinad
myrt
myrtaceous
myrtal
myrtiform
myrtle
myrtleberry
myrtlelike
myrtles
myrtol
myself
mysell
mysid
mysidean
mysogynism
mysoid
mysophilia
mysophobia
mysosophist
mysost
mysosts
myst
mystacal
mystacial
mystacine
mystacinous
mystagog
mystagogic
mystagogical
mystagogically
mystagogos
mystagogue
mystagogy
mystax
mysterial
mysteriarch
mysteries
mysteriosophic
mysteriosophy
mysterious
mysteriously
mysteriousness
mysterize
mystery
mythicist
mythicization
mythicize
mythicized
mythicizer
mythicizing
mythification
mythified
mythifier
mythify
mythifying
mythism
mythist
mythize
mythland
mythmaker
mythmaking
mythoclast
mythoclastic
mythogeneses
mythogenesis
mythogeny
mythogenic
mythogony
mythographer
mythographies
mythographerist
mythography
mythogreen
mythoheroic
mythohistoric
mythoi
mythol
mythologema
mythologer
mythologist
mythologian
mythologic
mythological
mythologically
mythologies
mythologise
mythologist
mythologists
mythologization
mythologize
mythologized
mythologizer
mythologizing
mythologue
mythology
mythology's
mythomania
mythomaniac
mythometer
mythonomy
mythropastoral
mythopeic
mythopeist
mythopoecia
mythopoecic
mythopoecism
mythopoecist
mythopoem
mythopoesis
mythopoesy
mythopoet
mythopoetic
mythopoetical
mythopoetise
mythopoetised
mythopoetising
mythopoetize
mythopoetized
mythopoetizing
mythopoetry
mythos
myths
mythus
mytilaceous
mytilaceous
mytilid
mytiliform
mytiloid
mytilotoxine
mytilus
myxa
myxadenitis
myxadenoma
myxaemia
myxamoeba
myxangitis
myxasthenia
myxedema
myxedemas
myxedematoid
myxedematous
myxedemic
myxemia
myxinoid
myxo
myxobacteriaceous
myxoblastoma
myxochondroma
myxochondrosarcoma
myxocystoma
myxocyte
myxocytes
myxoedema
myxoedemic
myxoenchondroma
myxofibroma
myxofibrosarcoma
myxoflagellate
myxogaster
myxogastic
myxogastrous
myxoglioma
myxoid
myxoinoma
myxolipoma
myxoma
myxomas
myxomata
myxomatosis
myxomatous
myxomycete
myxomycetous
myxomyoma
myxoneuroma
myxopapilloma
myxophobia
myxophycean
myxopod
myxopodan
myxopodia
myxopodium
myxopodus
myxopoiesis
myxorrhea
myxosarcoma
myxospongian
myxospore
myxosporidian
myxosporous
myxotheca
myxoviral
myxovirus
myzodendraceous
myzont
myzostoma
myzostomatous
myzostome
myzostomid
myzostomidan
myzostomous
mzee
mzungu
n
n'gana
n'importe
n's
n/a
n/f
na
naa
naam
nab
nabak
nabal
nabbed
nabber
nabbing
nabbuk
nabby
nabcheat
nabis
nabk
nabla
nablas
nable
nablus
nabob
naboberies
nabobery
nabobess
nabobesses
nabobical
nabobically
nabobish
nabobishly
nabobism
nabobisms
nabobry
nabobrynabobs
nabobs
nabobship
naboth
nabs
nacarat
nacarine
nace
nacelle
nacelles
nach
nachani
nachas
nache
nacho
nacht mListener
nachus
nacket
nacre
nacred
nacreous
nacreousness
nacres
nacrine
nacrite
nacrous
nacry
nad
nada
nadder
nadir
nadiral
nadirs
nadorite
nae
naebody
naegait
naegate
naegates
nael
naemorhedine
naether
naething
naethings
naevi
naevoid
naevus
naf
nag
nag's
naga
nagaika
nagami
nagana
naganas
nagara
nagari
nagasaki
nagatelie
nagel
naggar
nagged
nagger
naggers
naggier
naggiest
naggin
nagging
naggingly
naggingness
naggish
naggle
naggly
naggy
naght
naging
nagkassar
nagmaal
nagman
nagnag
nagnail
nagor
nags
nagsman
nagster
nagual
nagualism
nagualist
nagyagite
nahoor
nahuatl
nahuats
nahum
naiad
naiadaceous
naira
nairobi
nairy
nais
naish
naiskoi
naiskos
naissance
naissant
naither
naity
naive
naively
naiveness
naiver
naives
naivest
naivete
naivetes
naiveties
naiveties
naivety
naivety
naivite
naja
nak
nake
naked
nakeder
nakedest
nakedish
nakedize
nakedly
nakedness
nakedweed
nakedwood
naker
nakhlite
nakhod
nakhoda
nako
nakong
nakoo
nale
naled
naleds
nallah
nalphine
naloxone
nandin
nandina
nandine
nandins
nandow
nandu
nanduti
nane
nanes
nanga
nangca
nanger
nangka
nanigo
nanism
nanisms
nanitic
nanization
nankeen
nankeens
nankin
nanking
nankins
nanmu
nannander
nannandrium
nannandrous
nannie
nannies
nanninoe
nannofossil
nannoplankton
nannoplanktonic
nanny
nannyberries
nannyberry
nannybush
nanocephalia
nanocephalic
nanocephalism
nanocephalous
nanocephalus
nanocephaly
nanocurie
nanocuries
nanogram
nanograms
nanoid
naperies
napery
napes
naphtali
naphtha
naphthacene
naphthalate
naphthalene
naphthaleneacetic
naphthalenesulphonic
naphthalenic
naphthalenoid
naphthalic
naphthalidine
naphthalin
naphthaleine
naphthalise
naphthalised
naphthalising
naphthalization
naphthalize
naphthalized
naphthalizing
naphthalol
naphthamine
naphthanthracene
naphthas
naphthene
naphthenic
naphthinduline
naphthionate
naphtho
naphthoic
naphthol
naphtholate
naphtholize
naphthols
naphtholsulphonate
naphtholsulphonic
naphthoquinone
naphthoresorcinol
naphthosalol
naphthous
naphthoxide
naphthyl
naphthylamine
naphthylaminesulphonic
naphthylene
naphthylic
naphtol
naphtols
napier
napierian
napiform
napkin
napkin's
napkined
napkining
napkins
naples
napless
naplessness
napoleon
napoleonic
napoleonite
napoleons
napoo
napooh
nappa
nappe
napped
napper
nappers
nappes
nappie
nappier
nappies
nappiest
nappiness
napping
nappishness
nappy
naprapath
naprapathy
napron
naps
napthionic
napu
nar
narc
narcein
narceine
narceines
narceins
narcisssi
narcism
narcoticness
narcotics
narcotin
narcotina
narcotine
narcotinic
narcotisation
narcotise
narcotised
narcotising
narcotism
narcotist
narcotization
narcotize
narcotized
narcotizes
narcotizing
narcous
narc
nard
nardine
nardoo
nards
nardu
nardus
nare
nares
narghile
narghiles
nargil
nargile
nargileh
nargilehs
nargiles
narial
naric
narica
naricorn
nariform
narine
naringenin
naringin
naris
nark
narked
narking
narks
narky
nasilabial
nasillate
nasillation
nasioalveolar
nasibregmatic
nasioinial
nasimental
nasion
nasions
nasitis
naso
nasoalveola
nasoantral
nasobasilar
nasobronchial
nasobuccal
nasoccipital
nasociliary
nasoethmoidal
nasofrontal
nasolabial
nasolachrymal
nasolacrimal
nasological
nasologist
nasology
nasomalar
nasomaxillary
nasonite
nasoorbital
nasopalatal
nasopalatine
nasopharyngeal
nasopharynges
nasopharyngitis
nasopharynx
nasopharynxes
nasoprogenathic
nasoprogenathism
nasorostral
nasoscope
nasoseptal
nasosinuitis
nasosinusitis
nasousnasal
nasoturbinal
nasrol
nassellarian
nassology
nast
nastaliq
nastic
nastier
nastiest
nastika
nastily
nastiness
nasturtion
nasturtium
nasturtiums
nasty
nasus
nasute
nasuteness
nasutiform
nasutus
nat
natability
nataka
natal
natale
natalism
natalist
natalitial
natalities
natality
nattaly
nataloin
natalis
natant
natantly
natation
nataional
natations
natator
natatores
natatoria
nataorial
nataorious
natatorium
natatoriums
nataatory
natch
natchbone
natchnee
nates
naturalizations
naturalize
naturalized
naturalizer
naturalizes
naturalizing
naturally
naturalness
naturals
naturata
nature
nature’s
naturecraft
natured
naturedly
naturel
naturelike
natureliked
naturelement
natureopathy
natures
naturing
naturism
naturist
naturistic
naturistically
naturize
naturopath
naturopathic
naturopathist
naturopathy
natus
nauch
naucerus
naucorid
naucrar
naucrary
naufrage
naufragous
naughyde
nauger
naught
naughtier
naughtiest
naughtily
naughtiness
naughts
naughty
nautic
nautica
nautical
nauticality
nautically
nauticals
nautics
nautiform
nautilacean
nautili
nautilicone
nautiliform
nautilite
nautiloid
nautiloidean
nautilus
nautiluses
nautophone
nav
navagium
navaho
navahoes
navahos
navaid
navaids
navajo
navajos
naval
navalese
navalism
navalist
navalistic
navalistically
navally
navar
navarch
navarchy
navarho
navarin
navars
nave
navel
naveled
nавеллике
nавели
navelwort
navely
naveness
neanic
neanthropic
neap
neaped
neapolitan
neapolitans
neaps
near
nearable
nearabout
nearabouts
nearaivays
nearaway
nearaways
nearby
nearctic
neared
nearer
nearest
nearing
nearish
nearlier
nearest
nearly
nearmost
nearness
nearnesses
nears
nearshore
nearside
nearsight
nearsighted
nearsightedly
nearsightedness
nearthrosis
neascus
neat
neaten
neatened
neatening
neatens
neater
neatest
neath
neatherd
neatherdess
neatherds
neathmost
neatify
neatly
neatness
neatnesses
neats
neavil
neb
neback
nebalian
nebalioid
nebed
neblish
nebishes
nebuck
nebuk
nebby
nebel
neblist
nebenkern
nebraska
nebraskan
nebraskans
nebris
nebrodi
nehs
nebuchadnezzar
nebula
nebulae
nebular
nebularization
nebularize
nebulae
nebulescent
nebuliferous
nebulisation
nebulise
nebulised
nebuliser
nebulises
nebulising
nebulite
nebulium
nebulization
nebulize
nebulized
nebulizer
nebulizers
nebulizes
nebulizing
nebulon
nebulese
nebulosities
nebulosity
nebulosus
nebulous
nebulously
nebulousness
nebuly
necation
necassar
necessarian
necessarianism
necessaries
necessarily
necessariness
necessarium
necessarius
necessary
necese
necessism
necessist
necessitarian
necessitarianism
necessitate
necessitated
necessitatedly
necessitates
necessitating
necessitatingly
necessitation
necessitative
necessities
necessitous
necessitously
necessitousness
necessitude
necessitudo
necessity
necia
neck
neckar
neckatee
neckband
neckbands
eckcloth
necked
neckenger
necker
neckercher
neckerchief
neckerchiefs
neckerchieves
neckful
neckguard
necking
neckinger
neckings
necklace
necklace's
necklaced
necklaces
necklaceweed
neckless
necklet
necklike
neckline
necklines
neckmold
neckmould
neckpiece
necks
neckstock
necktie
necktie's
necktieless
neckties
neckward
neckwear
neckwears
neckweed
neckyoke
necraemia
necrectomy
necremia
necremia
necro
necrobacillary
necrobacillosis
necrobiosis
necrobiotic
necrogenic
necrogenous
necrographer
necrolatry
necrologic
necrological
necrologically
necrologies
necrologist
necrologue
necrology
necromancer
necromancers
necromancing
necromancy
necromania
necromantic
necromantical
necromantically
necromimesis
necromorphous
necronite
necropathy
necrophagan
necrophagia
necrophagous
necrophagy
necrophil
necrophile
necrophilia
necrophiliac
necrophilic
necrophilism
necrophilistic
necrophilous
necrophily
necrophobia
necrophobic
necropoleis
necropoles
necropoli
necropolis
necropolises
necropolitian
necropsied
necropsies
necropsy
necropsying
necrosopic
necrosopical
necroscopy
necrose
necrosed
necroses
necrosing
necrosis
necrotic
necrotically
necrotise
necrotised
necrotising
necrotization
necrotize
necrotized
necrotizing
necrotomic
necrotomies
necrotomist
necrotomy
necrotome
necrotypic
nectar
nectareal
nectarean
nectared
nectareous
nectareously
nectareousness
nectarial
nectarian
nectaried
nectaries
nectariferous
nectarin
nectarine
nectarines
nectarious
nectarise
nectarised
nectarising
nectarium
nectarivorous
nectarize
nectarized
nectarizing
nectarlke
nectarious
nectars
nectary
nectiferous
nectocalyces
nectocalyceine
nectocalyx
necton
nectophore
nectopod
nectriaceous
nectron
nedder
neddies
neddy
nee
neeboer
neebour
need
needed
needier
neediest
needily
neediness
needing
needle
needlebill
needlebook
needlebush
needlecase
needlecord
needlecraft
needled
needlefish
needlefishes
needleful
needlefuls
needlelike
needlemaker
needlemaking
needleman
negotiatrix
negotiatrixes
negotious
negotiator
negress
negrillo
negrine
negrita
negrito
negritude
negro
negrodom
negroes
negrohead
negrohood
negroid
negroids
negroish
negrolike
negrophil
negrophile
negrophilism
negrophobe
negrophobia
negros
negus
neguses
nehemiah
nehiloth
nehru
nei
neif
neifs
neigh
neighbor
neighbored
neighborer
neboaress
neighborhood
neighborhood's
neighborhoods
neighboring
neighborless
neighborlike
neighborlikeness
neighborliness
neighborly
neighbors
neighborship
neighborstained
neighbour
neighboured
neighbourer
neighbouress
neighbourhood
neighbouring
neighbourless
neighbourlike
neighbourliness
neighbourly
neighbours
neighbourship
neighed
neigher
neighing
neighs
neilah
nein
neiper
neisseria
neist
neither
nek
nekton
nektonic
nektons
nelly
nelson
nelsonite
nelsons
nelumbian
nelumbium
nelumbo
nelumbos
nema
nemaline
nemalite
nemas
nematelminth
nemathece
nemathecia
nemathecial
nemathecium
nemathelmint
nematic
nematicidal
nematicide
nematoblast
nematoblastic
nematoblastic
nematoceran
nematocerous
nematocidal
nematocide
nematocyst
nematocystic
nematode
nematodes
nematodiasis
nematogen
nematogene
nematogenic
nematogenous
nematognath
nematognathous
nematogone
nematogonous
nematoid
nenatoidean
nenatological
nematologist
nematology
nematophyton
nematozooid
nembutal
nembutsu
nemean
nemertean
nemertian
nemertid
nemertine
nemertinean
nemertoid
nemeses
nemesis
nemesia
nemesic
nemesis
nemine
nemo
nemoceran
nemocerous
nemophila
nemophilist
nemophilous
nemophily
nemoral
nemoricole
nemoricoline
nemoricolous
nemos
nempne
nenarche
nene
neses
nenta
nenuphar
neo
neoaademic
neoaanthropic
neoarsphenamine
neoblastic
neobotanist
neobotany
neocene
neocerotic
neochristianity
neoclassic
neoclassical
neoclassically
neoclassicism
neoclassicist
neoclassicists
neocolonial
neocolonialism
neocolonialist
neocolonialists
neocolonially
neocomian
neoconcretist
neoconservative
neoconstructivism
neoconstructivist
neocortex
neocortical
neocosmic
neocracy
neocriticism
neocubism
neocubist
neocyanine
neocyte
neocytosis
neodadaism
neodadaist
neodamode
neodidymium
neodiprion
neodymium
neoexpressionism
neoexpressionist
neofascism
neofetal
neofetus
neoformation
neoformative
neogamous
neogamy
neogenesis
neogenetic
neognathic
neognathous
neogrammarian
neogrammatical
neographic
neohexane
neoholmia
neoholmium
neoimpressionism
neoimpressionist
neolalia
neolater
neolatry
neolith
neolithic
neoliths
neologian
neologianism
neologic
neological
neologically
neologies
neologise
neologised
neologising
neologism
neologisms
neologist
neologistic
neologistical
neologization
neologize
neologized
neologizing
neology
neomediavlist
neomenia
neomenian
neomiracle
neomodal
neomorph
neomorphic
neomorphism
neomorphisms
neomycin
neomycins
neon
neonatal
neonatally
neonate
neonates
neonatology
neonatus
neoned
neoneds
neonominian
neonomianism
neons
neontology
neonychium
neologist
neoorhodox
neoorhodoxy
neopagan
neopaganism
neopaganize
neopallial
neopallium
neoparaffin
neophilism
neophilological
neophilologist
neophobia
neophobic
neophrastic
neophyte
neophytes
neophytic
neophytish
neophytism
neopine
neoplasia
neoplasm
neoplasma
neoplasmata
neoplasms
neoplastic
neoplasticism
neoplasticist
neoplasties
neoplasty
neoplatonic
neoplatonism
neoprene
neoprenes
neorama
neorealism
neornithic
neossin
neossine
neossology
neossoptile
neostigmine
neostriatum
neostyle
neostyled
neostyling
neoteinia
neoteinic
neotenia
neotenic
neotenies
neotenous
neoteny
neoteric
neoterical
neoterically
neoterics
neoterism
neoterist
neoteristic
neoterize
neoterized
neoterizing
neothalamus
neotraditionalism
neotraditionalist
neotropical
neotype
neotypes
neovitalism
neovolcanic
neytterbium
neoa
neozoic
nep
nepal
nepalese
nepali
nepenthaceous
nepenthe
nepenthean
nepenthes
neper
nephalism
nephalist
nephalistic
nephanalysis
nephele
nepheligenous
nepheline
nephelic
nephelinite
nephelinitic
nephelinitoid
nephelite
nephelognosy
nepheloid
nephelometer
nephelometric
nephelometrical
nephelometrically
nephelometry
nephelorometer
nepheloscope
nephesh
nephew
nephew's
nephews
nephewship
nephilim
nephionic
nephogram
nephograph
nephological
nephologist
nephology
nephometer
nephophobia
nephoscope
nephphridia
nephradenoma
nephralgia
nephralgic
nephrapostasis
nephrationa
nephrauxe
nephrectasia
nephrectasis
nephrectomies
nephrectomise
nephrectomised
nephrectomising
nephrectomize
nephrectomized
nephrectomizing
nephrectomy
nephrelocosis
nephremia
nephremphraxis
nephria
nephric
nephridia
nephridial
nephridiopore
nephridium
nephrom
nephritis
nephrite
nephrites
nephritic
nephritical
nephritides
nephritis
nephritises
nephroabdominal
nephrocardiac
nephrocele
nephrocele
nephrocolic
nephrocolopexy
nephrocoloptosis
nephrocystitis
nephrocystosis
nephrocyte
nephrodinic
nephroerysipelas
nephrogastric
nephrogenic
nephrogenous
nephrogonaduct
nephrohydrosis
nephrohypertrophy
nephroid
nephrolith
nephrolithic
nephrolithosis
nephrolithotomies
nephrolithotomy
nephrologist
nephrology
nephrolysin
nephrolysis
nephrolytic
nephromalacia
nephromegaly
nephromere
nephron
nephroncus
nephrons
nephroparalysis
nephropathic
nephropathy
nephropexy
nephrophthisis
nephropore
nephroptosis
nephropyelitis
nephropyeloplasty
nephropyosis
nephrorrhagia
nephrorrhaphy
nephros
nephrosclerosis
nephrosis
nephrostoma
nephrostome
nephrostomial
nephrostomous
nephrostomy
nephrotic
nephrotome
nephrotomies
nephrotomise
nephrotomize
nephrotomy
nephrotoxic
nephrotoxicity
nephrotoxin
nephrotuberculosis
nephrotyphoid
nephrotyphus
nephrozymosis
nepionic
nepit
nepman
nepmen
nepotal
nepote
nepotic
nepotious
nepotism
nepotisms
nepotist
nepotistic
nepotistical
nepotistically
nepotists
nepouite
nepquite
neptune
neptunian
neptunism
neptunist
neptunium
neral
nerd
nerds
nere
nereid
nereidean
nereides
nereidiform
nereidous
nereids
nereis
nereite
nerine
nerita
nerite
neritic
neritic
neritid
nerkaid
neroid
nerka
nerol
neroli
nerolis
nerols
neronian
neroterology
nerts
nertz
nerval
nervate
nervation
nervature
nerve
nerve's
nerved
nerveless
nervelessly
nervelessness
nervelet
nerveproof
nerver
nerveroot
nerves
nervid
nerviduct
nervier
nerviest
nervily
nervimotion
nervimotor
nervimuscular
nervine
nervines
nerviness
nerving
nervings
nervish
nervism
nervomuscular
nervosa
nervosanguineous
nervose
nervosism
nervosities
nervosity
nervous
nervously
nervousness
nervular
nervule
nervules
nervulet
nervulose
nervuration
nervure
nervures
nervus
nervy
nescience
nescient
nescients
nese
nesh
neshly
neshness
nesiote
neslave
nelia
nesosilicate
nesquehonite
ness
nessberry
nesselrode
nesses
nesslerise
nesslerised
nesslerising
nesslerization
nesslerize
nesslerized
nesslerizing
nessus
nest
nestable
nestage
nested
nester
nesters
nestful
nestiatria
nesting
nestings
nestitherapy
nestle
nestled
nestler
nestlers
nestles
nestlike
nestling
nestlings
nestor
nestorian
nestorianism
nestorine
nestors
nests
nesty
net
net's
netball
netbraider
netbush
netcha
nete
neter
netful
neth
netheist
nether
netherlander
netherlands
nethermore
nethermost
netherstock
netherstone
netherward
netherwards
netherworld
neti
netkeeper
netleaf
netless
netlike
netmaker
netmaking
netman
netmen
neuma
eumatic
neumatize
neumatize
neume
neumes
neumic
neums
neurad
neuradynamia
neural
neurale
neuralgia
neuralgiac
neuralgias
neuralgic
neuralgiform
neuralgy
neuralist
neurally
neuraminidase
neurapophyseal
neurapophysial
neurapophysis
neurarthritis
neurasthenia
neurasthenias
neurasthenic
neurasthenical
neurasthenically
neurasthenics
neurataxia
neuratony
neuration
neuratrophia
neuratrophic
neuratrophy
neuraxial
neuraxis
neuraxitis
neuraxon
neuraxone
neuraxons
neurectasia
neurectasis
neurectasy
neurectomy
neurectomic
neurectomy
neurectopia
neurectopy
neurenercic
neurepithelium
neurergic
neurexairesis
neurhynology
neurhypnotist
neuriatry
neuristic
neuridine
neurilema
neurilematic
neurilemma
neurilemmal
neurilemmatic
neurilemmatous
neurilemmitis
neurility
neurin
neurine
neurinoma
neurinomas
neurinomata
neurism
neuristor
neurate
neuritic
neuritics
neuritides
neuritis
neuritises
neuroactive
neuroanatomic
neuroanatomical
neuroanatomist
neuroanatomy
neuroanotomy
neurobiological
neurobiologist
neurobiology
neurobiotactic
neurobiotaxis
neuroblast
neuroblastic
neuroblastoma
neurocanal
neurocardiac
neurocele
neurocelian
neurocental
neurocentral
neurocentrum
neurochemical
neurochemist
neurochemistry
neurochititin
neurochondrite
neurochord
neurochorioretinitis
neurocirculator
neurocirculatory
neurocity
neuroclonic
neurocoel
neurocoele
neurocoelian
neurocrine
neurocrinism
neurocyte
neurocytomia
neurodegenerative
neurodendrite
neurodendron
neurodermatitis
neurodermatosis
neurodermitis
neurodiagnosis
neurodynamic
neurodynia
neuroelectricity
neuroembryological
neuroembryology
neuroendocrine
neuroendocrinology
neuroepidermal
neuroepithelial
neuroepithelium
neurofibril
neurofibrilla
neurofibrillae
neurofibrillar
neurofibrillary
neurofibroma
neurofibromatosis
neurofil
nenoganglion
neurogastralgia
neurogastric
neurogenesis
neurogenetic
neurogenic
neurogenically
neurogenous
neuroglandular
neuroglia
neurogliac
neuroglial
neurogliar
neuroglial
neuroglioma
neurogliosis
neurogram
neurogrammic
neurographic
neurography
neurohistology
neurohormonal
neurohormone
neurohumor
neurohumoral
neurohypnology
neurohypnotic
neurohypnotism
neurohypophyseal
neurohypo-physial
neurohypophysis
neuroid
neurokeratin
neurokyme
neurol
neurollemma
neuroleptanalgesia
neuroleptanalgesic
neuroleptic
neuroleptoanalgesia
neurolite
neurologic
neurological
neurologically
neurologies
neurologist
neurologists
neurologize
neurologized
neurology
neurolymph
neurolysis
neurolytic
neuroma
neuromalacia
neuromalakia
neuromas
neuromast
neuromastic
neuromata
neuromatosis
neuromatous
neuromere
neuromerism
neuromerous
neuromimesis
neuromimetic
neuromotor
neuromuscular
neuromusculation
neuromyelitis
neuromyic
neuron
neuron's
neuronal
neurone
neurones
neuronic
neuronism
neuronist
neuronophagia
neuronophagy
neurons
neuronym
neuronymy
neuroparalysis
neuroparalytic
neuropath
neuropathic
neuropathical
neuropathically
neuropathist
neuropathological
neuropathologist
neuropathology
neuropathy
neurophagy
neuropharmacologic
neuropharmacological
neuropharmacologist
neuropharmacology
neurophil
neurophile
neurophilic
neurophysiologic
neurophysiological
neurophysiologically
neurophysiologist
neurophysiology
neuropil
neuropile
neuroplasia
neuroplastic
neuroplastic
neuroplasty
neuroplexus
neuropod
neuropodial
neuropodium
neuropodous
neuropore
neuropsychiatric
neuropsychiatically
neuropsychiatrist
neuropsychiatry
neuropsychic
neuropsychical
neuropsychological
neuropsychologist
neuropsychology
neuropsychopathic
neuropsychopathy
neuropsychosis
neuropter
neuroptera
neuropteran
neuropterist
neuropteroid
neuropterological
neuropterology
neuropteron
neuropterous
neuroretinitis
neurorrhaphy
neurorthopteran
neurorthopterous
neurosal
neurosarcoma
neuroscience
neuroscientist
neurosclerosis
neurosecretion
neurosecretory
neurosensory
neuros
neurosis
neuroskeletal
neuroskeleton
neurosome
neuropasm
neuropast
neurospongium
neuropora
neurostenemia
neurosurgeon
neurosurgeries
neurosurgery
neurosurgical
neurosuture
neurosynapse
neurosyphilis
neurotendinous
neurotension
neurotherapeutics
neurotherapist
neurotherapy
neurothlipsis
neurotic
neurotically
neuroticism
neuroticize
neurotics
neurotization
neurotome
neurotomical
neurotomist
neurotomize
neurotomy
neurotonic
neurotoxia
neurotoxic
neurotoxicity
neurotoxin
neurotransmission
neurotransmitter
neurotransmitters
neurotripsy
neurotrophic
neurotrophic
eurotrophic
neurotripsy
neurotrophic
neurotropic
neurotropic
neurotropism
neurotropy
neurovaccination
neurovaccine
neurovascular
neurovisceral
neurual
neurula
neurypnological
neurypnologist
neurypnology
neustic
neuston
neustonic
neustons
neut
neuter
neutercane
neuterdom
neutered
neuterling
neuterlike
neuterly
neuterness
neuters
neutral
neutralise
neutralism
neutralist
neutralistic
neutralists
neutralities
neutralitity
neutralization
neutralizations
neutralize
neutralized
neutralizer
neutralizers
nevoid
nevoy
nevus
nevanskite
new
newark
newberyite
newborn
newbornness
newborns
newburg
newcal
newcastle
newcome
newcomer
newcomer's
newcomers
newel
newels
newely
newer
newest
newfangle
newfangled
newfangledism
newfangledly
newfangledness
newfangement
newfangledness
newfashioned
newfish
newfound
newfoundland
newfoundlander
newgate
newground
newing
newings
newish
newlandite
newlight
newline
newlines
newlings
newlins
newly
newlywed
newlyweds
nickels
nickeltype
nicker
nickered
nickering
nickerpecker
nickers
nickery
nickey
nickeys
nicking
nickle
nickles
nicknack
nicknacks
nickname
nicknameable
nicknamed
nicknamee
nicknameless
nicknamer
nickname
nicknames
nicknaming
nickpoint
nickpot
nicks
nickstick
nickum
nicky
nicol
nicolaitan
nicolayite
nicolo
nicals
nicotia
nicotian
nicotiana
nicotianin
nicotic
nicotin
nicotina
nicotinamide
nicotine
nicotinean
nicotine
nicotined
nicotineless
nicotines
nicotinean
nidificating
nidification
nidificational
nidified
nidifier
nidifies
nidifugous
nidify
nidifying
niding
nidiot
nidologist
nidology
nidor
nidorose
nidorosity
nidorous
nidorulent
nidudi
nidulant
nidulariaceous
nidulate
nidulation
niduli
nidulus
nidus
niduses
niece
niece's
nieceless
nieces
neceship
niellated
nielled
nielli
niellist
niellists
niello
nielloed
nielloing
niellos
nielsen
niepa
nies
nieshout
nietzsche
nietzschean
nieve
nightspots
nightstand
nightstands
nightstick
nightstock
nightstool
nighttide
nighttime
nighttimes
nightwake
nightwalk
nightwalker
nightwalkers
nightwalking
nightward
nightwards
nightwear
nightwork
nightworker
nighty
nignay
nignye
nigori
nigranilin
nigraniline
nigre
nigrecence
nigresent
nigrescoeous
nigrescite
nigricant
nigrification
nigrified
nigrifies
nigrify
nigrifying
nigrine
nigritian
nigrities
nigritude
nigritudinous
nigromancer
nigrosin
nigrosine
nigrosins
nigrous
nigua
nihil
nimbed
nimbi
nimbiferous
nim bif ication
nimble
nimblebrained
nimbleness
nimbler
nimblest
nimblewit
nimbly
nimbose
nimbosity
nimbostratus
nimbus
nimbused
nimbuses
nimieties
nimiety
niminy
nimious
nimmed
nimmer
nimming
nimrod
nimrods
nims
nimshi
nincom
nincompoop
nincompoopery
nincompoophood
nincompoopish
nincompoops
nincum
nine
ninebark
ninebarks
ninefold
nineholes
ninepegs
ninepence
ninepences
ninepennies
ninepenny
ninepin
ninepins
nines
nipmuck
nipped
nipper
nipperskin
nippers
nippler
nippiest
nipply
nippiness
nipping
nippingly
nippitate
nippitato
nippitatum
nippitaty
nipple
nipped
nippleless
nipples
nipplewort
nipping
nippon
nipponese
nipponium
nippy
nips
nipter
nis
nirles
nirles
nirmanakaya
nirvana
nirvanas
nirvanic
nis
nisan
niberry
nisei
niseis
nishi
nisi
nisnas
nispero
nisse
nist
nisus
nit
nitch
nitchevo
nitchie
nitchies
nitency
nitent
nitently
niter
niterbush
nitered
nitering
niter
nitery
nither
nithing
nitid
nitidous
nitidulid
nitinol
nito
niton
nitons
nitos
nitpick
nitpicked
nitpicker
nitpickers
nitpicking
nitpicks
nitramin
nitramine
nitramino
nitranilic
nitraniline
nitrate
nitrated
nitrates
nitratine
nitrating
nitration
nitrator
nitrators
nitre
nitred
nitres
nitiaries
nitiary
nitric
nitrid
nitridation
nitride
nitrides
nitriding
nitridization
nitridize
nitrids
nitrification
nitriferous
nitrifiable
nitrification
nitrified
nitrifier
nitrifies
nitrify
nitrifying
nitril
nitrile
nitriles
nitrils
nitriry
nitrite
nitrites
nitritoid
nitro
nitroalizarin
nitroamine
nitroanilin
nitroaniline
nitrobacteria
nitrobacterium
nitrobarite
nitrobenzene
nitrobenzol
nitrobenzole
nitrocalcite
nitrocellulose
nitrocellulosic
nitrochloroform
nitrocotton
nitroform
nitrofuran
nitrogelatin
nitrogelatine
nitrogen
nitrogenate
nitrogenation
nitrogenic
nitrogenisation
nitrogenise
nitrogenised
nitrogenising
nitrogenize
nitrogenized
nitrogenizing
nitrogenous
nitrogens
nitroglucose
nitroglycerin
nitroglycerine
nitrohydrochloric
nitrolamine
nitrolic
nitrolim
nitrolime
nitromagnesite
nitromannite
nitromannitol
nitromersol
nitrometer
nitromethane
nitrometric
nitromuriate
nitromuriatic
nitronaphthalene
nitroparaffin
nitrophenol
nitrophile
nitrophilous
nitrophyte
nitrophytic
nitropriussiate
nitropussic
nitropusside
nitros
nitrosamin
nitrosamine
nitrosate
nitrosification
nitrosify
nitrosite
nitroso
nitrosoamine
nitrosobacteria
nitrosobacterium
nitrosochloride
nitrososulphuric
nitrostarch
nitrosulphate
nitrosulphonic
nitrosulphuric
nitrosyl
nitrosyls
nitrosylsulfuric
nitrosylsulphuric
nitrotoluene
nitrotoluol
nitrotrichloromethane
nitrous
nitroxy1
nitryl
nits
nitta
nitter
nittier
nitiest
nitty
nitwit
nitwits
nitwitted
nival
nivation
niveau
nivellate
nivellation
nivellator
nivellization
nivenite
niveous
nivernaise
nivicolous
nivosity
nix
nixe
nixed
nixer
nixes
nixie
nixies
nixing
nixon
nixtamal
nixy
niyama
niyanda
niyoga
nizam
nizamat
nizamate
nizamates
nizams
nizamut
nizey
nizy
nj
njave
nl
nm
nnethermore
no
noa
noachian
noah
noance
nob
nobackspace
nobatch
nobber
nobbier
nobbies
nobbily
nobble
nobbled
nobbler
nobbler
nobbler
nobbler
nobbles
nobbling
nobbut
nobby
nbel
nobel
nobelist
nobelists
nobelium
nobeliums
nobilairy
nobilify
nobilitate
nobilitation
nobilities
nobility
nobis
noble
nobled
noblehearted
nobleheartedly
nobleheartedness
nobleman
noblemanly
noblemanly
noblemen
nobleness
nobler
nobles
noblesse
noblesses
noblest
noblewoman
noblewomen
nobley
noblify
nobling
nobly
nobodies
nobody
nobody'd
nobody'd
nobody'd
nobodyness
nobs
nobot
noca
nocalia
nocaliosis
nocy
nocent
noci
noci
nockey
nocket
nocking
nocks
nock
nocked
nockler
nocket
nocking
nocks
nocket
noconfirm
noctambulant
noctambulate
noctambulation
noctambule
noctambulism
noctambulist
noctambulistic
noctambulous
noctidial
noctidiurnal
noctiferous
noctiflorous
noctiluca
noctilucae
noctilucal
noctilukan
noctilucence
noctilucent
noctilucin
noctilucine
noctilucous
noctiluminous
noctiluscence
noctimania
noctipotent
noctis
noctivagant
noctivagation
noctivagous
noctograph
noctovision
noctua
noctuid
noctuideous
noctuidous
noctuids
noctuiform
noctule
noctules
noctuoid
nocturia
nocturn
nocturnal
nocturnality
nocturnally
nocturne
nocturnes
nocuility
nocument
nocumentum
nocusous
nocusously
nocusousness
nod
node's
nodal
nodalities
nodality
nodally
nodated
nodded
nodder
nodders
noddi
noddies
nodding
noddingly
noddle
noddlebone
noddled
noddles
noddling
noddy
node
node's
noded
nodes
nodi
nodiak
nodical
nodicorn
nodiferous
nodiflorous
nodiform
nodosarian
nodosariform
nodosarine
nodosaur
nodose
nodosities
nodosity
nodous
nods
nodular
nocturns
nocuity
nocument
nocumentum
nocusous
nocusously
nocusousness
nodulate
nodulated
nodulation
odule
noduled
odules
oduli
nodulate
nodulated
nodulizing
nodulose
nodulous
nodulus
odus
noed
noecho
noegenesis
noegenetic
noel
noels
noemachograph
noemachometer
noemachomeric
noematical
noerror
noes
noesis
noeses
noetian
noetic
noetics
noex
noexecute
nofile
nog
nogada
nogaku
nogal
nogg
nogged
noggen
noggin
nogging
noggings
noggins
noggs
noghead
nogheaded
nollepros
nolo
nolos
nolt
nom
noma
nomad
nomade
nomades
nomadian
nomadic
nomadical
nomadically
nomadise
nomadism
nomadisms
nomadization
nomadize
nomads
nomancy
nomap
nomarch
nomarchies
nomarchs
nomarchy
nomarthal
nomas
nombles
nombril
nombrils
nome
nomen
nomenclate
nomenclative
nomenclator
nomenclatorial
nomenclatorship
nomenclatory
nomenclatural
nomenclature
nomenclatures
nomenclaturist
nomes
nomeus
nomial
nomic
nomina
nominable
nominal
nominalism
nominalist
nominalistic
nominalistical
nominalistically
nominality
nominalize
nominalized
nominalizing
nominally
nominalness
nominals
nominate
nominated
nominately
nominates
nominating
nomination
nominations
nominatival
nominative
nominatively
nominatives
nominator
nominators
ominatrix
ominature
nomine
nominee
nomineeism
nominees
nominy
nomism
nomisma
nomismata
nomisms
nomistic
nомнem
nomocanon
nomocracy
nomogenist
nomogenous
nomogeny
nomogram
nomograms
nomograph
nomographer
nomographic
nomographical
nomographically
nomographies
nomography
nomoi
nomological
nomologies
nomologist
nomology
nomopelmous
nomophylax
nomophysyllum
nomos
nomothetic
nomothetical
noms
non
nons
nonabandonment
nonabatable
nonabdicating
nonabdicative
nonabiding
nonabidingly
nonabidingness
nonability
nonabjuration
nonabjuratory
nonabjurer
nonabolition
nonabortive
nonabortively
nonabortiveness
nonabrasive
nonabrasively
nonabrasiveness
nonabridgable
nonabridgment
nonabrogable
nonabsentation
nonabsolute
nonabsolutely
nonabsoluteness
nonabsolution
nonabsolutist
nenabsolutistic
nonabsolutistically
nonabsorbability
nonabsorbable
nonabsorbency
nonabsorbent
nonabsorbents
nonabsorbing
nonabsorption
nonabsorptive
nonabstainer
nonabstainers
nonabstaining
nonabstemious
nonabstemiously
nonabstemiousness
nonabstention
nonabstract
nonabstracted
nonabstractedly
nonabstractedness
nonabstractly
nonabstractness
nonabusive
nonabusively
nonabusiveness
nonacademic
nonacademical
nonacademically
nonacademicalness
nonacademics
nonaccedence
nonacceding
nonacceleration
nonaccelerative
nonacceleratory
nonaccent
nonaccented
nonaccenting
nonaccentual
nonaccentually
nonacceptance
nonacceptant
nonacceptation
nonaccepted
nonaccess
nonaccession
nonaccessories
nonaccessory
nonaccidental
nonaccidentally
nonaccidentalness
nonaccommodable
nonaccommodably
nonaccommodating
nonaccommodatingly
nonaccommodatingness
nonaccompaniment
nonaccompanying
nonaccomplishment
nonaccord
nonaccordant
nonaccordantly
nonaccredited
nonaccretion
nonaccretive
nonaccrued
nonaccruing
nonacculturated
nonaccumulating
nonaccumulation
nonaccumulative
nonaccumulatively
nonaccumulativeness
nonaccusing
nonachievement
nonacid
nonacidic
nonacidity
nonacids
nonacknowledgment
nonacosane
nonacoustic
nonacoustical
nonacoustically
nonacquaintance
nonacquaintanceship
nonacquiescence
nonacquiescent
nonacquiescently
nonacquiescing
nonacquisitive
nonacquisitively
nonacquisitiveness
nonacquittal
nonadhesive
nonadhesively
nonadhesiveness
nonadjacencies
nonadjacency
nonadjacent
nonadjacently
nonadjunctival
nonadjunctivally
nonadjunctively
nonadjoining
nonadjournment
nonadjudicated
nonadjudication
nonadjudicative
nonadjudicatively
nonadjunctive
nonadjunctively
nonadjustability
nonadjustable
nonadjustably
nonadjuster
nonadjustive
nonadjustment
nonadjustor
nonadministrable
nonadministrant
nonadministrative
nonadministratively
nonadmiring
nonadmissibility
nonadmissible
nonadmissibleness
nonadmissibly
nonadmission
nonadmissions
nonadmissive
nonadmitted
nonadmittedly
nonadoptable
nonadopter
nonadoption
nonadorner
nonadorning
nonadornment
nonadult
nonadults
nonadvancement
nonadvantageous
nonadvantageously
nonadvantageousness
nonadventitious
nonadventitiously
nonadventitiousness
nonadventurous
nonadventurously
nonadventurousness
nonadverbial
nonadverbially
nonadvertence
nonadvertency
nonadvocacy
nonadvocate
nonaerated
nonaerating
nonaerobic
nonaesthetic
nonaesthetical
nonaesthetically
nonaffectation
nonaffecting
nonaffectingly
nonaffection
nonaffective
nonaffiliated
nonaffiliating
nonaffiliation
nonaffiliated
nonaffinities
nonaffinitive
nonaffinity
nonaffirmance
nonaffirmation
nonage
nonagenarian
nonagenarians
nonagenaries
nonagenary
nonagency
nonagent
nonages
nonagesimal
nonagglomerative
nonagglutinant
nonagglutinating
nonagglutinative
nonagglutinator
nonaggression
nonaggressive
nonagon
nonagons
nonagrarian
nonagreeable
nonagreement
nonagricultural
nonahydrate
nonaid
nonair
nonalarmist
nonalcohol
nonalcoholic
nonalgebraic
nonalgebraical
nonalgebraically
nonalien
nonalienating
nonalienation
nonalignable
nonaligned
nonalignment
nonalined
nonalinement
nonalkaloid
nonalkaloidal
nonallegation
nonallegiance
nonallegoric
nonallegorical
nonallegorically
nonallelic
nonallergenic
nonalliterated
nonalliterative
nonalliteratively
nonalliterativeness
nonallotment
nonalluvial
nonalphabetic
nonalphabetical
nonalphabetically
nonalternating
nonaltruistic
nonaltruistically
nonaluminous
nonamalgamable
nonamazedness
nonamazement
nonambiguities
nonambiguity
nonambiguous
nonambitious
nonambitiously
nonambitiousness
nonambulaties
nonambulatory
nonamenability
nonamenable
nonamenableness
nonamenably
nonamendable
nonamendment
nonamino
nonamorous
nonamorously
nonamorousness
nonamotion
nonamphibian
nonamphibious
nonamphibiously
nonamphibiousness
nonamputation
nonanachronic
nonanachronistically
nonanachronous
nonanachronously
nonanaemic
nonanalogic
nonanalogical
nonanalogically
nonanalogicalness
nonanalogous
nonanalogously
nonanalogousness
nonanalogy
nonanalytic
nonanalytical
nonanalytically
nonanalyzable
nonanalyzed
nonanaphoric
nonanaphthene
nonanarchic
nonanarchical
nonanarchically
nonanarchistic
nonanatomic
nonanatomical
nonanatomically
nonancestral
nonancestrally
nonane
nonanemic
nonanesthetic
nonanesthetized
nonangelic
nonangling
nonanguished
nonanimal
nonanimality
nonanimate
nonanimated
nonanimating
nonanimatingly
nonanimation
nonannexable
nonannexation
nonannihilability
nonannihilable
nonannouncement
nonannuitant
nonannulment
nonanoic
nonanonymity
nonanonymousness
nonanswer
nonantagonistic
nonantagonistically
nonanticipation
nonanticipative
nonanticipatively
nonanticipatorily
nonanticipatory
nonantigenic
nonaphasiac
nonaphasic
nonaphetic
nonaphoristic
nonaphoristically
nonapogetic
nonapogetical
nonapologetically
nonapostatizing
nonapostolic
nonapostolical
nonapostolically
nonapparent
nonapparently
nonapparentness
nonapparitional
nonappealability
nonappealable
nonappealing
nonappealingly
nonappealingness
nonappearance
nonappearances
nonappearer
nonappearing
nonappeasability
nonappeasable
nonappeasing
nonappellate
nonappendance
nonappendant
nonappendence
nonappendent
nonappendicular
nonappliedability
nonapplicable
nonapplicableness
nonapplicability
nonapplicableness
nonapplicableness
nonapplicable
nonapplicable
nonapparitional
nonapparitional
nonapparitional
nonappraisal
nonappraisal
nonappraisial
nonappraisial
nonappraisial
nonappraisial
nonappraisial
nonappraisial
nonappraisial
nonappraisial
nonappraisial
nonappraisial
nonappraisial
nonappraisial
nonappraisial
nonapprehensive
nonapproachability
nonapproachable
nonapproachableness
nonapproachable
nonappropriable
nonappropriation
nonappropriative
nonapproval
nonaquatic
nonaqueous
nonarbitrable
nonarbitrarily
nonarbitrariness
nonarbitrary
nonarching
nonarchitectonic
nonarchitectural
nonarchitecturally
nonarcering
nonarcking
nonargentiferous
nonarguable
nonargumentative
nonargumentatively
nonargumentativeness
nonaries
nonaristocratic
nonaristocratical
nonaristocratically
nonarithmetic
nonarithmetical
nonarithmetically
nonarmament
nonarmigerous
nonaromatic
nonaromatically
nonarraignment
nonarresting
nonarrival
nonarrogance
nonarrogancy
nonarsenic
nonarsenical
nonarterial
nonartesian
nonarticulate
nonarticulated
nonarticulately
nonarticulateness
nonarticulation
nonarticulative
nonartistic
nonartistical
nonartistically
nonary
nonas
nonasbestine
nonascendance
nonascendancy
nonascendant
nonascendantly
nonascendence
nonascendency
nonascendent
nonascendently
nonascertainable
nonascertainableness
nonascertainably
nonascertaining
nonascertainment
nonascetic
nonascetical
nonascetically
nonasceticism
nonascription
nonaseptic
nonaseptically
nonaspersion
nonasphalt
nonaspirate
nonaspirated
nonaspirating
nonaspiratory
nonaspiring
nonassault
nonassent
nonassentation
nonassented
nonassenting
nonassertion
nonassertive
nonassertively
nonassertiveness
nonassessability
nonassessable
nonassessment
nonassignability
nonassignability
nonassignable
nonassigned
nonassignment
nonassimilability
nonassimilable
nonassimilating
nonassimilation
nonassimilative
nonassimilatory
nonassistance
nonassistant
nonassister
nonassistive
nonassociability
nonassociateable
nonassociation
nonassociational
nonassociative
nonassociatively
nonassonance
nonassonant
nonassortment
nonassumed
nonassumption
nonassumptive
nonassurance
nonasthmatic
nonasthmatically
nonastonishment
nonastral
nonastringency
nonastrangent
nonastringtently
nonastronomic
nonastronomical
nonastronomically
nonatheistic
nonatheistical
nonatheistically
nonathlete
nonathletic
nonathletically
nonatmospheric
nonatmospherical
nonatmospherically
nonatomic
nonatomical
nonatomically
nonatonement
nonatrophic
nonatrophied
nonattached
nonattachment
nonattacking
nonattainability
nonattainable
nonattainment
nonattendance
nonattendant
nonattention
nonattestation
nonattribution
nonattributive
nonattributively
nonattributiveness
nonaudibility
nonaudible
nonaudibleness
nonaudibly
nonaugmentative
nonauricular
nonauriferous
nonauthentic
nonauthentical
nonauthenticated
nonauthentication
nonauthenticity
nonauthoritative
nonauthoritatively
nonauthoritativeness
nonautobiographical
nonautobiographically
nonautomated
nonautomatic
nonautomatically
nonautomotive
nonautonomous
nonautonomously
nonautonomousness
nonavailability
nonavoidable
nonavoidableness
nonavoidably
nonavoidance
nonaxiomatic
nonaxiomatical
nonaxiomatically
nonazotized
nonbachelor
nonbacterial
nonbacterially
nonbailable
nonballoting
nonbanishment
nonbank
nonbankable
nonbarbarian
nonbarbaric
nonbarbarous
nonbarbarously
nonbarbarousness
nonbaronial
nonbase
nonbasement
nonbasic
nonbasing
nonbathing
nonbearded
nonbearing
nonbeatific
nonbeatifically
nonbeauties
nonbeauty
nonbeing
nonbeings
nonbelief
nonbeliever
nonbelievers
nonbelieving
nonbelievingly
nonbelligerency
nonbelligerent
nonbelligerents
nonbending
nonbeneficed
nonbeneficence
nonbeneficent
nonbeneficently
nonbeneficial
nonbeneficially
nonbeneficialness
nonbenevolence
nonbenevolent
nonbenevolently
nonbetrayal
nonbeverage
nonbiased
nonbibulous
nonbibulously
nonbibulousness
nonbigoted
nonbigotedly
nonbilabiate
nonbilious
nonbiliously
nonbiliousness
nonbillable
nonbinding
nonbindingly
nonbindingness
nonbinomial
nonbiodegradable
nonbiographical
nonbiographically
nonbiological
nonbiologically
nonbiting
nonbitter
nonbituminous
nonblack
nonblamable
nonblamableness
nonblamably
nonblameful
non blamefully
nonblamefulness
nonblameless
nonblank
nonblasphemies
nonblasphemous
nonblasphemously
nonblasphemousness
nonblasphemy
nonbleach
nonbleeding
nonblended
nonblending
nonblinding
nonblindingly
nonblockaded
nonblocking
nonblooded
nonblooming
nonblundering
nonblunderingly
nonboaster
nonboasting
nonboastingly
nonbodily
nonboding
nonbodingly
nonboiling
nonbook
nonbookish
nonbookishly
nonbookishness
nonbooks
nonborrower
nonborrowing
nonbotanic
nonbotanical
nonbotanically
nonbourgeois
nonbranded
nonbreach
nonbreaching
nonbreakable
nonbreeder
nonbreeding
nonbristled
nonbromidic
nonbroodiness
nonbrooding
nonbroody
nonbrowser
nonbrowsing
nonbrutal
nonbrutally
nonbudding
nonbulbaceous
nonbulbar
nonbulbiferous
nonbulbous
nonbulkhead
nonbuoyancy
nonbuoyant
nonbuoyantly
nonburdensome
nonburdensomely
nonburdensomeness
nonbureaucratic
nonbureaucratically
nonburgage
nonburgess
nonburnable
nonburning
nonbursting
nonbusily
nonbusiness
nonbusy
nonbusyness
nonbuttressed
nonbuying
noncabinet
noncadenced
noncadent
noncaffeine
noncaffeinic
noncaking
noncalcareous
noncalcified
noncalculable
noncalculably
noncalculating
noncalculative
noncallability
noncallable
noncaloric
noncalumniating
noncalumnious
noncancelable
noncancellable
noncancellation
noncancerous
noncandescence
noncandescent
noncandescently
noncandidate
noncannibalistic
noncannibalistically
noncannonical
noncanonical
noncanonization
noncanvassing
noncapillaries
noncapillarity
noncapillary
noncapital
noncapitalist
noncapitalistic
noncapitalistically
noncapitalized
noncapitalization
noncapricious
noncapriciously
noncapriciousness
noncapsizable
noncaptious
noncaptiously
noncaptiousness
noncapture
noncarbohydrate
noncarbolic
noncarbon
noncarbonate
noncarbonated
noncareer
noncarnivorous
noncarnivorously
noncarnivorousness
noncarrier
noncartelized
noncash
noncaste
noncastigating
noncastigation
noncasual
noncasuistic
noncasuistical
noncasuistically
noncataclysmal
noncataclysmic
noncataloguer
noncatalytic
noncatalytically
noncatarrhal
noncatastrophic
noncatechistic
noncatechistical
noncatechizable
noncategorical
noncategorically
noncategoricalness
noncathartic
noncathartical
noncathedreal
noncatholicity
noncausable
noncausal
noncausality
noncausally
noncausation
noncausative
noncausatively
noncausativeness
noncaustic
noncaustically
nonce
noncecetation
noncecetial
noncecetially
noncellular
noncellulosic
noncellulous
noncensored
noncensorious
noncensoriously
noncensoriousness
noncensurable
noncensurableness
noncensurably
noncensus
noncentral
noncentrally
noncereal
noncerebral
nonceremonial
nonceremonially
nonceremonious
nonceremoniously
nonceremoniousness
noncertain
noncertainties
noncertainty
noncertification
noncertified
noncertitude
nonces
nonchafing
nonchalance
nonchalant
nonchalantly
nonchalantness
nonchaly
nonchallenger
nonchallenging
nonchampion
nonchangeable
nonchangeableness
nonchangeably
nonchanging
nonchanneled
nonchanneled
nonchaotic
nonchaotically
noncharacteristic
noncharacteristically
noncharacterized
nonchargeable
noncharismatic
noncharitable
noncharitableness
noncharitably
nonchastisement
non chastity
nonchemical
nonchemist
nonchimeric
nonchimerically
nonchimerically
nonchivalric
nonchivalrous
nonchivalrously
nonchivalrousness
nonchokable
nonchokebore
noncholeric
nonchromatic
nonchromatically
nonchromosomal
nonchronic
nonchronical
nonchronically
nonchronologically
nonchurch
nonchurched
nonchurchgoer
nonchurchgoing
nonciliate
nonciliated
noncircuit
noncircuitual
noncircuitied
noncircuitous
noncircuitously
noncircuitousness
noncircular
noncircularly
noncirculating
noncirculation
noncirculatory
noncircumscribed
noncircumscriptive
noncircumspect
noncircumspectly
noncircumspectness
noncircumstantial
noncircumstantially
noncircumvallated
noncitable
noncitation
nonciteable
noncitizen
noncivilian
noncivilizable
noncivilized
nonclaim
nonclaimable
nonclamorous
nonclamorously
nonclarifiable
nonclarification
nonclarified
nonclassable
nonclassic
nonclassical
nonclassicality
nonclassically
nonclassifiable
nonclassification
nonclassified
nonclastic
nonclearance
noncleistogamic
noncleistogamous
nonclergyable
non clerical
non clerically
non clerics
non climactic
non climactical
non climbable
non climbing
non clinging
non clinical
non clinically
non cloistered
non close
non closely
non closure
non clotting
non coagulability
non coagulable
non coagulating
non coagulation
non coagulative
non coalescence
non coalescent
non coalescing
non cock
non codified
non coercible
non coercion
non coercive
non coercively
non coerciveness
non cogency
non cogent
non cogently
non cognate
non cognition
non cognitive
non cognizable
non cognizably
non cognizance
non cognizant
non cognizantly
non cohabitation
non coherence
non coherent
non coherency
non coherent
non coherently
non cohesion
non cohesive
noncohesively
noncohesiveness
noncoinage
noncoincidence
noncoincident
noncoincidental
noncoincidentally
noncoking
noncollaboration
noncollaborative
noncollapsable
noncollapsibility
noncollapsible
noncollectable
noncollectible
noncollection
noncollective
noncollectively
noncollectivistic
noncollegiate
noncollinear
noncolloidal
noncollusion
noncollusive
noncollusively
noncollusiveness
noncolonial
noncolonially
noncolorability
noncolorable
noncolorableness
noncolorably
noncoloring
noncom
noncombat
noncombatant
noncombatants
noncombative
noncombination
noncombinative
noncombining
noncombustibility
noncombustible
noncombustibles
noncombustion
noncombustive
noncome
noncomic
noncomical
noncomicality
noncomically
noncomicalness
noncoming
noncommemoration
noncommemorational
noncommemorative
noncommemoratively
noncommemoratory
noncommencement
noncommendable
noncommendableness
noncommendably
noncommendatory
noncommensurable
noncommercial
noncommerciality
noncommercially
noncommiseration
noncommiserative
noncommiseratively
noncommissioned
noncommitally
noncommitment
noncommittal
noncommittalism
noncommittally
noncommittalness
noncommitted
noncommodious
noncommodiously
noncommodiousness
noncommorable
noncommorancy
noncommunal
noncommunally
noncommunicability
noncommunicable
noncommunicableness
noncommunicant
noncommunicating
noncommunication
noncommunicative
noncommunicatively
noncommunicativeness
noncommunion
noncommunist
noncommunistic
noncommunistical
noncommunistically
noncommunists
noncommutative
noncompearance
noncompensable
noncompensating
noncompensation
noncompensative
noncompensatory
noncompetency
noncompetent
noncompetently
noncompeting
noncompetitive
noncompetitively
noncompetitiveness
noncomplacence
noncomplacencies
noncomplacency
noncomplacent
noncomplacently
noncomplaisance
noncomplaisant
noncomplaisantly
noncompletion
noncompliance
noncompliant
noncomplicities
noncomplicity
noncomplying
noncompos
noncomposes
noncomposite
noncompositely
noncompositeness
noncomposure
noncompound
noncompoundable
noncompounder
noncomprehendible
noncomprehending
noncomprehendingly
noncomprehensible
noncomprehensiblely
noncomprehension
noncomprehensive
noncomprehensively
noncomprehensiveness
noncompressibility
noncompressible
noncompression
noncompressive
noncompressively
noncompromised
noncompromising
noncompulsion
noncompulsive
noncompulsively
noncompulsorily
noncompulsoriness
noncompulsory
noncomputation
noncoms
noncon
nonconcealment
nonconceiving
nonconcentrated
nonconcentratiness
nonconcentration
nonconcentrative
nonconcentrateness
nonconcentric
nonconcentrical
nonconcentrically
nonconcentricity
nonconception
nonconceptual
nonconceptually
nonconcern
nonconcession
nonconcessive
nonconciliating
nonconciliatory
nonconcision
nonconclusivity
nonconcludency
nonconcludent
nonconcluding
nonconclusion
nonconclusive
nonconclusively
nonconclusiveness
nonconcordant
nonconcordantly
nonconcur
nonconcurred
nonconcurrency
nonconcurrent
nonconcurrently
nonconcurring
noncondemnation
noncondensable
noncondensation
noncondensed
noncondensibility
noncondensible
noncondensing
noncondescending
noncondescendingly
noncondescendingness
noncondescension
noncondiment
noncondimental
nonconditional
nonconditioned
noncondonation
nonconduciveness
nonconducive
nonconduciveness
nonconductibility
nonconductive
nonconductible
nonconducting
nonconduction
nonconductor
nonconductors
nonconfederate
nonconfederation
nonconferrable
nonconfession
nonconficient
nonconfidence
nonconfident
nonconfidential
nonconfidentiality
nonconfidentially
nonconfidentialness
nonconfidently
nonconfiding
nonconfined
nonconfinement
nonconfining  
nonconfirmation  
nonconfirmative  
nonconfirmatory  
nonconfirming  
nonconfiscable  
nonconfiscation  
nonconfiscatory  
nonconfident  
nonconflicting  
nonconflictive  
nonconform  
nonconformability  
nonconformable  
nonconformably  
nonconformance  
nonconformer  
nonconformest  
nonconforming  
nonconformism  
nonconformist  
nonconformistical  
nonconformistically  
nonconformists  
nonconformitant  
nonconformity  
nonconfrontation  
nonconfutation  
noncongealing  
noncongenital  
noncongestion  
noncongestive  
noncongratulatory  
noncongregative  
noncongruence  
noncongruency  
noncongruent  
noncongruently  
noncongruities  
noncongruity  
noncongruous  
noncongruously  
noncongruousness  
nonconjecturable  
nonconjecturably  
nonconjectural  
nonconjugal  
nonconjugalility
nonconsonance
nonconsonant
nonconsorting
nonconspirator
nonconspiratorial
nonconspiring
nonconstant
nonconstituent
nonconstituted
nonconstitutional
nonconstraint
nonconstricting
nonconstrictive
nonconstruability
nonconstruable
nonconstruction
nonconstructive
nonconstructively
nonconstructiveness
nonconsular
nonconsultative
nonconsultatory
nonconsumable
nonconsuming
nonconsummation
nonconsumption
nonconsumptive
nonconsumptively
nonconsumptiveness
noncontact
noncontagion
noncontagionist
noncontagious
noncontagiously
noncontagiousness
noncontaminable
noncontamination
noncontaminative
noncontemplative
noncontemplatively
noncontemplativeness
noncontemporaneous
noncontemporaneously
noncontemporaneousness
noncontemporaries
noncontemporary
noncontemptibility
noncontemptible
noncontemptibleness
noncontemptibly
noncontemptuous
noncontemptuously
noncontemptuousness
noncontending
noncontent
noncontention
noncontentious
noncontentiously
nonconterminal
nonconterminous
nonconterminously
noncontestable
noncontestation
noncontextual
noncontextually
noncontiguities
noncontiguity
noncontiguous
noncontiguously
noncontiguousness
noncontinence
noncontinency
noncontinental
noncontingency
noncontingent
noncontingently
noncontinuable
noncontinually
noncontinuable
noncontinuance
noncontinuation
noncontinuity
noncontinuous
noncontinuously
noncontinuousness
noncontraband
noncontrabands
noncontraction
noncontractual
noncontradiction
noncontradictory
noncontrarieties
noncontrariety
noncontrastable
noncontrastive
noncontributable
noncontributing
noncontribution
noncontributive
noncontributively
noncontributiveness
noncontributor
noncontributories
noncontributory
noncontrivance
noncontrollable
noncontrollably
noncontrollably
noncontrolled
noncontrolling
noncontrovertial
noncontroversially
noncontumacious
noncontumaciously
noncontumaciousness
nonconvective
nonconvectively
nonconvenable
nonconventional
nonconventionally
nonconvergence
nonconvergencey
nonconvergent
nonconvergently
nonconverging
nonconversable
nonconversableness
nonconversably
nonconversance
nonconversancy
nonconversant
nonconversantly
nonconversational
nonconversationally
nonconversion
nonconvertibility
nonconvertible
nonconvertibleness
nonconvertibibly
nonconveyance
nonconvivial
nonconviviality
nonconvivially
noncooperating
noncooperation
noncooperationist
noncooperative
noncooperator
noncoordinating
noncoordination
noncoplanar
noncopying
noncoring
noncorporate
noncorporately
noncorporation
noncorporative
noncorporeal
noncorporeality
noncorpuscular
noncorrection
noncorrectional
noncorrective
noncorrectively
noncorrelating
noncorrelation
noncorrelative
noncorrelatively
noncorrespondence
noncorrespondent
noncorresponding
noncorrespondingly
noncorroborating
noncorroboration
noncorroborative
noncorroboratively
noncorroboratory
noncorrodible
noncorroding
noncorrosive
noncorrosively
noncorrosiveness
noncorrupt
noncorrupter
noncorruptibility
noncorruptible
noncorruptibleness
noncorruptibly
noncorruption
noncorruptive
corruptly
noncorruptness
cortical
cortically
cosmic
cosmically
cosmopolitan
cosmopolitanism
cosmopolite
cosmopolitism
costustraight
cottager
cotyledonal
cotyledonary
cotyledonous
counteractive
counterfeit
county
covetous
covetously
covetousness
cranking
creation
creatively
creativeness
creativity
credence
credent
credibility
credible
credibleness
credibly
credit
creditable
creditableness
creditably
creditor
credulous
credulously
credulousness
creeping
crenate
crenated
cretaceous
creeping
noncriminal
noncriminality
noncriminally
noncrinoid
noncritical
noncritically
noncriticalness
noncriticizing
noncrossover
noncrucial
noncrucially
noncruciform
noncruciformly
noncrusading
noncrushability
noncrushable
noncrustaceous
noncryptic
noncryptical
noncryptically
noncrystalline
noncrystallizable
noncrystallized
noncrystallizing
nonculminating
nonculmination
nonculpability
nonculpable
nonculpableness
nonculpably
noncultivability
noncultivable
noncultivatable
noncultivated
noncultivation
noncultural
nonculturally
nonculture
noncultured
noncumbrous
noncumbrously
noncumbrousness
noncumulative
noncumulatively
noncurantist
noncurative
noncuratively
noncurativeness
noncurdling
noncuriosity
noncurious
noncuriously
noncuriousness
noncurling
noncurrency
noncurrent
noncurrently
noncursive
noncursively
noncurtailing
noncurtailing
noncuspidate
noncuspidated
noncustodial
noncustomarily
noncustomary
noncutting
noncyclic
noncyclically
nonda
nondairy
nondamageable
nondamaging
nondamagingly
nondamnation
nondancer
nondangerous
nondangerously
nondangerousness
nondark
nondatival
nondeadly
nondeaf
nondeafened
nondeafening
nondeafeningly
nondeafly
nondeafness
nondealer
nondebatable
nondebater
nondebating
nondebilitating
nondebilitation
nondebilitative
nondebtor
nondecadence
nondecadency
nondecadent
nondecalcification
nondecalcified
nondecane
nondecasyllabic
nondecasyllable
nondecatopic
nondecayed
nondecaying
nondeceit
nondeceivable
nondeceiving
nondeceleration
nondeception
nondeceptive
nondeceptively
nondeceptiveness
nondeciduate
nondeciduous
nondeciduously
nondeciduousness
nondecision
nondecisive
nondecisively
nondecisiveness
nondeclamatory
nondeclarant
nondeclaration
nondeclarative
nondeclaratively
nondeclaratory
nondeclarer
nondeclivitous
nondecomposition
nondecorated
nondecoration
nondecorative
nondecorous
nondecorously
nondecorousness
nondecreasing
nondedication
nondedicate
nondedicator
nondeducible
nondeductibility
nondeductible
nondeduction
nondeductive
nondeductively
nondeep
nondefalcation
nondefamatory
nondefaulting
nonfeasance
nonfeasibility
nonfeasible
nonfeasibleness
nonfeasibleness
nondefeat
nondefecting
nondeception
nondefective
nondefectively
nondefectiveness
nondefector
nondefendant
nondefense
nondefensibility
nondefensible
nondefensibleness
nondefensibly
nondefensive
nondefensively
nondefensiveness
nondeferable
nondeference
nondeferent
nondeferrable
nondefiance
nondefiant
nondefiantly
nondefiantness
nondeficiencies
nondeficiency
nondeficient
nondeficiently
nondefilement
nondefiling
nondefinability
nondefinable
nondefinably
nondefined
nondefiner
nondefining
nondefinite
nondefinitely
nondefiniteness
nondefinition
nondefinitive
nondefinitively
nondefinitiveness
nondeflation
nondeflationary
nondeflected
nondeflection
nondefective
nondeforestation
nondeformation
nondeformed
nondeformities
nondeformity
nondefunct
nondegeneracies
nondegeneracy
nondegenerate
nondegenerately
nondegenerateness
nondegeneration
nondegenerative
nondegerming
nondegradation
nondegrading
nondegreased
nondehiscent
nondeist
nondeistic
nondeistical
nondeistically
nondelegable
nondelegate
nondelegation
nondeleterious
nondeleteriously
nondeleteriousness
nondeliberate
nondeliberately
nondeliberateness
nondeliberation
nondelicate
nondelicately
nondelicateness
nondelineation
nondelineative
nondelinquent
nondeliquescence
nondeliquescent
nondelirious
nondeliriously
nondeliriousness
nondeliverance
nondeliveries
nondelivery
nondeluded
nondeluding
nondelusive
nondemand
nondemanding
nondemise
nondemobilization
nondemocracies
nondemocracy
nondemocratic
nondemocrat
cal
nondemocratically
nondemolition
nondemonstrability
nondemonstrable
nondemonstrableness
nondemonstrably
nondemonstration
nondemonstrative
nondemonstratively
nondemonstrativeness
nondendroid
nondendroidal
nondenial
nondenominational
nondenominationalism
nondenominationally
nondenotative
nondenotatively
nondense
nondenseness
nondensity
nondenumerable
nondenunciating
nondenunciation
nondenunciative
nondeterminately
nondetermination
nondeterminative
nondeterminatively
nondeterminativeness
nondeterminism
nondeterminist
nondeterministic
nondeterministically
nondeterrent
nondetest
nondetinet
nondetonating
nondetractive
nondetractively
nondetractory
nondetrimental
nondetrimentally
nondvelopable
nondveloping
nondvelopment
nondvelopmental
nondvelopmentally
nondeviant
nondeviating
nondeviation
nondewish
nondewiously
nondewiousness
nondewotional
nondewotionally
nondewout
nondewolutely
nondewoutness
nondexterity
nondexterityness
nondexterous
nondexterously
nondexterousness
nondextrous
nondiabetic
nondiabolic
nondiabolical
nondiabolically
nondiabolicalness
nondiation
nondiagonal
nondiagonally
nondiagrammatic
nondiagrammatical
nondiagrammatically
nondialectal
nondialectally
nondialectic
nondialectical
nondialectically
nondialyzing
nondiametral
nondiametrally
nondiapausing
nondiaphanous
nondiaphanously
nondiaphanousness
nondiastasic
nondiastatic
nondiathermanous
nondiazotizable
nondichogamic
nondichogamous
nondichogamy
nondichotomous
nondichotomously
nondictation
nondictatorial
nondictatorially
nondictatorialness
nondictionary
nondidactic
nondidactically
nondietetic
nondietetically
nondieting
nondifferentation
nondifferentiable
nondifferentiation
nondifficult
nondiffidence
nondiffident
nondiffidently
nondiffractive
nondiffractively
nondiffractiveness
nondiffuse
nondiffused
nondiffusible
nondiffusibleness
nondiffusibly
nondiffusing
nondiffusion
nondigestibility
nondigestible
nondigestibleness
nondigestibly
nondigesting
nondigestion
nondigestive
nondilapidated
nondilatability
nondilatable
nondilation
nondiligence
nondiligent
nondiligently
nondilution
nondimensioned
nondiminishing
nondiocesan
nondiphtherial
nondiphtheric
nondiphtheritic
nondiphthongal
nondiplomacy
nondiplomatic
nondiplomatically
nondipterous
nondirection
nondirectional
nondirective
nondirigibility
nondirigible
nondisagreement
nondisappearing
nondisarmament
nondisastrous
nondisastrously
nondisastrousness
nondisbursable
nondisbursed
nondisbursement
nondiscerning
nondiscernment
nondischarging
nondisciplinable
nondisciplinary
nondisciplined
nondisciplining
nondisclaim
nondisclosure
nondiscontinuance
nondiscordant
nondiscountable
nondiscovetable
nondiscoveries
nondiscovery
nondiscretionary
nondiscriminating
nondiscriminatingly
nondiscrimination
nondiscriminative
nondiscriminatively
nondiscriminatory
nondiscursive
nondiscursively
nondiscursiveness
nondiscussion
nondiseased
nondisestablishment
nondisfigurement
nondisfranchised
nondisguised
nondisingenuous
nondisingenuously
nondisingenuousness
nondisintegrating
nondisintegration
nondisinterested
nondisjunct
nondisjunction
nondisjunctional
nondisjunctive
nondisjunctively
nondismemberment
nondissensional
nondisparaging
nondisparate
nondisparately
nondisparateness
nondispersities
nondisparsity
nondispensable
nondispensation
nondispensational
nondispensible
nondispersal
nondispersion
nondispersive
nondisposable
nondisposal
nondisposed
nondisputatious
nondisputatiously
nondisputatiousness
nondisqualifying
nondisrupting
nondisruptingly
nondisruptive
nondissent
nondissenting
nondissidence
nondissident
nondissipated
nondissipatedly
nondissipatedness
nondissipative
nondissolution
nondissolving
nondistant
nondistillable
nondistillation
nondistinctive
nondistinguishable
nondistinguishableness
nondistinguishably
nondistinguished
nondistinguishing
nondistorted
nondistortedly
nondistortedness
nondistorting
nondistortingly
nondistortion
nondistortive
nondistracted
nondistractedly
nondistracting
nondistractingly
nondistractive
nondistribution
nondistributional
nondistributive
nondistributively
nondistributiveness
nondisturbance
nondisturbing
nondivergence
nondivergencies
nondivergency
nondivergent
nondivergently
nondiverging
nondiversification
nondividng
nondivinities
nondivinity
nondivisibility
nondivisible
nondivisiblity
nondivision
nondivisional
nondivisive
nondivisively
nondivisiveness
nondivorce
nondivorced
nondivulgence
nondivulging
nondo
nondoctrinaire
nondoctrinal
nondoctrinally
nondocumental
nondocumentaries
nondocumentary
nondogmatic
nondogmatical
nondogmatically
nondoing
nondomestic
nondomestically
nondomesticated
nondomesticating
nondominance
nondominant
nondominating
nondomination
nondomineering
nondonation
nondormant
nondoubtable
nondoubter
nondoubting
nondoubtingly
nondramatic
nondramatically
nondrinkable
nondrinker
nondrinkers
nondrinking
nondriver
nondropsical
nondropsically
nondruidic
nondruidical
nondrying
nondualism
nondualistic
nondualistically
nonduality
 nonductile
nonductility
nondumping
nonduplicating
nonduplication
nonduplicative
nonduplicity
nondurability
nondurable
nondurableness
nondurably
nondutiable
nondynamic
nondynamical
nondynamically
nondynastic
nondynastical
nondynastically
nondyspeptic
nondyspeptical
nondyspeptically
none
noneager
noneagerly
noneagerness
nonearning
noneastern
noneatable
nonebullience
nonefficaciously
nonefficacy
nonefficiency
nonefficient
nonefficiently
noneffusion
noneffusive
noneffusively
noneffusiveness
nonego
nongocentric
nongeoistic
nongeoistical
nongeoisticaly
nongeos
nongotistic
nongotistical
nongotistically
nongregarious
nongregiously
nongregiousness
nongidetic
nongjaculatory
nongjecting
nongjection
nongjective
nongelaborate
nongelaborately
nongelaborateness
nongelaborating
nongelaborative
nongelastic
nongastically
nonglasticity
nongelect
nongelection
nongelective
nongelectively
nongelectiveness
nongelector
nonglectric
nonglectricial
nonglectrically
nonglectricification
nonglectricfried
nonglectricized
nonglectricution
nonglectriclyte
nonelectrolytic
noneleemosynary
nonelemental
nonelementally
nonelementary
nonelevating
nonelevation
nonelicited
noneligibility
noneligible
noneligibly
nonelevation
nonelimination
noneliminative
noneliminatory
nonelite
nonelliptic
nonelliptical
nonelliptically
nonelongation
nonelopement
noneloquence
noneloquent
noneloquently
nonelucidating
nonelucidation
nonelucidative
nonelusive
nonelusively
nonelusiveness
nonemanant
nonemanating
nonemancipation
nonemancipative
nonembarkation
nonembellished
nonembellishing
nonembellishment
nonembezzlement
nonembryonal
nonembryonic
nonembryonically
nonemendable
nonemendation
nonemergence
nonemerget
nonemigrant
nonemigration
nonemission
nonemotional
nonemotionalism
nonemotionally
nonemotive
nonmotively
nonemotiveness
nonempathic
nonempathically
nonemphatic
nonemphatical
nonempiric
nonempirical
nonempirically
nonempiricism
nonemploying
nonemployment
nonempty
nonemulation
nonemulative
nonemulous
nonemulously
nonemulousness
nonenactment
nonenclosure
nonencroachment
nonencyclopaedic
nonencyclopedic
nonencyclopedical
nonendemic
nonendorsement
nonendowment
nonendurable
nonendurance
nonenduring
nonene
nonenemies
nonenemy
nonenergetic
nonenergetically
nonenergetic
nonenervating
nonenforceability
nonenforceable
nonenforced
nonenforcedly
nonenforcement
nonenforcing
nonengagement
nonengineering
nonengrossing
nonengrossingly
nonenigmatic
nonenigmatical
nonenigmatically
nonenlightened
nonenlightening
nonenrolled
nonent
nonentailed
nonenteric
nonenterprising
nonentertaining
nonentertainment
nonenthusiastic
nonenthusiastically
nonenticing
nonenticingly
nonentitlative
nonentities
nonentitive
nonentitize
nonentity
nonentityism
nonentomologic
nonentomological
nonentrant
nonentreating
nonentreatingly
nonentres
nonentresse
nonentries
nonentry
nonenumerated
nonenumerative
nonenunciation
nonenunciative
nonenunciatory
nonenviable
nonenviableness
nonenviably
nonenvious
nonenviously
nonenviousness
nonenvironmental
nonenvironmentally
nonenzymic
noreroded
norerodent
noreroding
norerosive
norerotic
norerotically
nonerrant
nonerrantly
nonerratic
nonerratically
nonerroneous
nonerroneously
nonerroneousness
norerudite
noreruditely
noreruditeness
nonerudition
noneruptive
nones
nonescape
nonesoteric
nonesoterically
nonespionage
nonespousal
nonessential
nonessentials
nonestablishment
nonesthetic
nonesthetical
nonesthetically
nonestimable
nonestimableness
nonestimably
nonesuch
nonesuches
nonesurient
nonesuriently
nonet
noneternal
noneternally
noneternalness
noneternity
nonetheless
nonetheless
nonetheral
nonetherality
nonetherally
nonetheralness
nonevolutional
nonevolutionally
nonevolutionary
nonevolutionist
nonevolving
nonexactable
nonexacting
nonexactingly
nonexactingness
nonexact
nonexaggerated
nonexaggeratedly
nonexaggerating
nonexaggeration
nonexaggerative
nonexaggeratory
nonexamination
nonexcavation
nonexcepted
nonexcepting
nonexceptional
nonexceptionally
nonexcerptible
nonexcessive
nonexcessively
nonexcessiveness
nonexchangeability
nonexchangeable
nonexcitable
nonexcitableness
nonexcitably
nonexcitative
nonexcitatory
nonexciting
nonexclamatory
nonexclusion
nonexclusive
nonexcommunicable
nonexculpable
nonexculpation
nonexculpatory
nonexcusable
nonexcusableness
nonexcusably
nonexecutable
nonexecution
nonexecutive
nonexemplary
nonexemplification
nonexemplificator
nonexempt
nonexemption
nonexercisable
nonexercise
nonexerciser
nonexertion
nonexertive
nonexhausted
nonexhaustible
nonexhaustive
nonexhaustively
nonexhaustiveness
nonexhibition
nonexhibitionism
nonexhibitionistic
nonexhibitive
nonexhortation
nonexhortative
nonexhortatory
nonexigent
nonexigently
nonexistence
nonexistent
nonexistential
nonexistentialism
nonexistentially
nonexisting
nonexoneration
nonexotic
nonexotically
nonexpanded
nonexpanding
nonexpansibility
nonexpansible
nonexpansile
nonexpansion
nonexpansive
nonexpansively
nonexpansiveness
nonexpectant
nonexpectantly
nonexpectation
nonexpedience
nonexpediency
nonexpedient
nonexpediential
nonexpeditiously nonexpediently nonexpedient nonexpeditiously nonexpeditiousness nonexpediently nonexperience nonexperienced nonexperiential nonexperientially nonexperimental nonexperimentally nonexpert nonexpiable nonexpiation nonexpiatory nonexpiration nonexpiries nonexpiring nonexpiry nonexplainable nonexplanative nonexplanatory nonexplicable nonexplicative nonexploitation nonexplorative nonexploratory nonexplosive nonexplosively nonexplosiveness nonexplosives nonexponential nonexponentially nonexponible nonexportable nonexportation nonexposure nonexpressionistic nonexpressive nonexpressively nonexpressiveness nonexpulsion nonexpulsive nonextant nonextempore nonextended nonextendible nonextendibleness
nonexuding
nonexultant
nonexultantly
nonexultation
nonfabulous
nonfacetious
nonfacetiously
nonfacetiousness
nonfacial
nonfacility
nonfacing
nonfact
nonfactious
nonfactiously
nonfactiousness
nonfactitious
nonfactitiously
nonfactitiousness
nonfactory
nonfactual
nonactually
nonfacultative
nonfaculty
nonfaddist
nonfading
nonfailure
nonfallacious
nonfallaciously
nonfallaciousness
nonfalse
nonfaltering
nonfalteringly
nonfamilial
nonfamiliar
nonfamiliarly
nonfamilies
nonfamily
nonfamous
nonfanatic
nonfanatical
nonfanatically
nonfanciful
nonfancifully
nonfancifulness
nonfantasies
nonfantasy
nonfarcical
nonfarcicality
nonfarcically
nonfarcicalness
nonfarm
nonfascist
nonfascists
nonfashionable
nonfashionableness
nonfashionably
nonfastidious
nonfastidiously
nonfastidiousness
nonfat
nonfatal
nonfatalistic
nonfatalities
nonfatality
nonfatally
nonfatalness
nonfatigable
nonfatty
nonfaulty
nonfavorable
nonfavorableness
nonfavorably
nonfavored
nonfavorite
nonfealties
nonfealty
nonfeasance
nonfeasibility
nonfeasible
nonfeasibleness
nonfeasibly
nonfeavor
nonfeaturing
nonfebrile
nonfecund
nonfecundity
nonfederal
nonfederated
nonfeeble
nonfeebleness
nonfeebly
nonfeeding
nonfeeling
nonfeelingly
nonfeldspathic
nonfelicitous
nonfelicitously
nonfelicitousness
nonfelicity
nonfelonious
nonfeloniously
nonfeloniousness
nonfelony
nonfenestrated
nonfermentability
nonfermentable
nonfermentation
nonfermentative
nonfermented
nonfermenting
nonferocious
nonferociously
nonferociousness
nonferocity
nonferrous
nonfertile
nonfertility
nonfervent
nonfervently
nonferventness
nonfervid
nonfervidly
nonfervidness
nonfestive
nonfestively
nonfestiveness
nonfeudal
nonfeudally
nonfeverish
nonfeverishly
nonfeverishness
nonfeverous
nonfeverously
nonfibrous
nonfiction
nonfictional
nonfictionally
nonfictitious
nonfictitiously
nonfictitiousness
nonfictive
nonfictively
nonfidelity
nonfiduciaries
nonfiduciary
nonfighter
nonfigurative
nonfigurativeness
nonfilamentous
nonfilial
nonfilter
nonfilterable
nonfimbriate
nonfimbriated
nonfinancial
nonfinancially
nonfinding
nonfinishing
nonfinite
nonfinitely
nonfiniteness
nonfireproof
nonfiscal
nonfiscally
nonfisherman
nonfishermen
nonfissile
nonfissility
nonfissionable
nonfixation
nonflagellate
nonflagellated
nonflagitious
nonflagitiously
nonflagitiousness
nonflagrance
nonflagrancy
nonflagrant
nonflagrantly
nonflakily
nonflakiness
nonflaky
nonflammability
nonflammable
nonflammatory
nonflatulence
nonflatulency
nonflatulent
nonflatulently
nonflawed
nonflexibility
nonflexible
nonflexibleness
nonflexibly
nonflirtatious
nonflirtatiously
nonflirtatiousness
nonfloatation
nonfloating
nonfloatingly
nonfloriferous
nonflowering
nonflowing
nonfluctuating
nonfluctuation
nonfluency
nonfluent
nonfluently
nonfluentness
nonfluid
nonfluidic
nonfluidity
nonfluidly
nonfluids
nonfluorescence
nonfluorescent
nonflux
nonflyable
nonflying
nonfocal
nonfollowing
nonfood
nonforbearance
nonforbearing
nonforbearingly
nonforeclosing
nonforeclosure
nonforeign
nonforeignness
nonforeignness
nonforeknowledge
nonforensic
nonforensically
nonforest
nonforested
nonforfeitable
nonforfeiting
nonforfeiture
nonforfeitures
nonforgiving
nonform
nonformal
nonformalism
nonformalistic
nonformally
nonformalness
nonformation
nonformative
nonformatively
nonformidability
nonformidable
nonformidableness
nonformidably
nonforming
nonformulation
nonfortifiable
nonfortification
nonfortifying
nonfortuitous
nonfortuitously
nonfortuitousness
nonfossiliferous
nonfouling
nonfragile
nonfragilely
nonfragileness
nonfragility
nonfragmented
nonfragrant
nonfrangibility
nonfrangible
nonfrat
nonfraternal
nonfraternally
nonfraternity
nonfrauder
nonfraudulence
nonfraudulency
nonfraudulent
nonfraudulently
nonfreedom
nonfreeman
nonfreemen
nonfreezable
nonfreeze
nonfreezing
nonfrenetic
nonfrenetically
nonfrequency
nonfrequency
nonfrequent
nonfrequently
nonfricative
nonfriction
nonfrigid
nonfrigidity
nonfrigidly
nonfrigidness
nonfrosted
nonfrosting
nonfrugal
nonfrugality
nonfrugally
nonfrugalness
nonfrustration
nonfulfillment
nonfulminating
nonfunctional
nonfunctionally
nonfunctioning
nonfundable
nonfundamental
nonfundamentalist
nonfundamentally
nonfunded
nonfungible
nonfuroid
nonfused
nonfusibility
nonfusible
nonfusion
nonfutile
nonfuturistic
nonfuturition
nonfuturity
nong
nongalactic
nongalvanized
nongame
nonganglionic
nongangrenous
nongarrulity
nongarrulous
nongarrulously
nongarrulousness
nongas
nongaseness
nongaseous
nongaseousness
nongases
nongassy
nongelatinizing
nongelatinous
nongelatinously
nongelatinousness
nongelling
nongenealogic
nongenealogical
nongenealogically
nongeneralized
nongenerating
nongenerative
nongeneric
nongenerical
nongenerically
nongenetic
nongenetical
nongenetically
nongentile
nongenuine
nongenuinely
nongenuineness
nongeographic
nongeographical
nongeographically
nongeologic
nongeological
nongeologically
nongeometric
nongeometrical
nongeometrically
nongermane
nongerminable
nongerminating
nongermination
nongerminative
nongerundial
nongerundive
nongerundively
nongestic
nongestical
nongilded
nongildsman
nongilled
nongipsy
nonglacial
nonglacially
nonglandered
nonglandular
nonglandulous
noglare
nonglazed
nonglobular
nonglobularly
nonglucose
nonglucosidal
nonglucosidic
nonglutenous
nongod
nongold
nongolfer
nongospel
nongovernance
nongovernment
nongovernmental
nongraceful
nongracefully
nongracefulness
nongraciosity
nongracious
nongriously
nongraciousness
nongraduate
nongraduated
nongraduation
nongrain
nongrained
nongrammatical
nongranular
nongranulated
nongraphic
nongraphical
nongraphically
nongraphicalness
nongraphitic
nongraph
nongratification
nongratifying
nongratifyingly
nongratuitous
nongratuitously
nongratuitousness
nongraven
nongravitation
nongravitational
nongravitationally
nongravitative
nongravities
nongravity
nongray
nongreasy
nongreen
nongregarious
nongregariously
nongregariousness
nongremial
nongrey
nongrieved
nongrieving
nongrievous
nongrievously
nongrievousness
nongrooming
nongrounded
nongrounding
nonguarantee
nonguarantees
nonguaranty
nonguard
nonguidable
nonguidance
nonguilt
nonguils
nonguttural
nongutturally
nongutturalness
nongymnast
nongypsy
nonhabitability
nonhabitable
nonhabitableness
nonhabitably
nonhabitation
nonhabitual
nonhabitually
nonhabitualness
nonhabituating
nonhackneyed
nonhalation
nonhallucinated
nonhallucination
nonhallucinatory
nonhandicap
nonhardenable
nonhardy
nonharmonic
nonharmonies
nonharmonious
nonharmoniously
nonharmoniousness
nonharmony
nonhazardous
nonhazardously
nonhazardousness
nonheading
nonhearer
nonheathen
nonheathens
nonhectic
nonhectically
nonhedonic
nonhedonically
nonhedonistic
nonhedonistically
nonheinous
nonheinously
nonheinousness
nonhematic
nonhemophilic
nonhepatic
nonhereditability
nonhereditable
nonhereditably
nonhereditarily
nonhereditariness
nonhereditary
nonheretical
nonheretically
nonheritability
nonheritable
nonheritably
nonheritor
nonhero
nonheroes
nonheroic
nonheroical
cnonheroically
nonheroicalness
nonheroicness
nonhesitant
nonhesitantly
nonheuristic
nonhierarchic
nonhierarchical
nonhierarchically
nonhieratic
nonhierical
nonhieratically
nonhistone
nonhistoric
nonhistorical
nonhistorically
nonhistoricalness
nonhistrionic
nonhistrionical
nonhistrionically
nonhistrionicalness
nonhomaloidal
nonhomiletic
nonhomogeneity
nonhomogeneous
nonhomogeneously
nonhomogeneousness
nonhomogenous
nonhomologous
nonhostile
nonhostilely
nonhostility
nonhouseholder
nonhousekeeping
nonhubristic
nonhuman
nonhumaness
nonhumanist
nonhumanistic
nonhumanized
nonhumanness
nonhumorous
nonhumorously
nonhumorousness
nonhumus
nonhunting
nonhydrated
nonhydraulic
nonhydrogenous
nonhydrolyzable
nonhydrophobic
nonhygrometric
nonhygroscopic
nonhygroscopically
nonhyperbolic
nonhyperbolical
nonhyperbolically
nonhypnotic
nonhypnotically
nonhypostatic
nonhypostatical
nonhypostatically
nonic
noniconoclastic
noniconoclastically
nonideal
nonidealist
nonidealistic
nonidealistically
nonideational
nonideationally
nonidempotent
nonidentical
nonidentification
nonidentities
nonidentity
nonideologic
nonideological
nonideologically
nonidiomatic
nonidiomatical
nonidiomatically
nonidiomaticalness
nonidolatrous
nonidolatrously
nonidolatrousness
nonidylic
nonidylically
nonigneous
nonignitability
nonignitable
nonignitibility
nonignominious
nonignominiously
nonimmunized
nonimpact
nonimpacted
nonimpairment
nonimpartation
nonimpartment
nonimpatience
nonimpeachability
nonimpeachable
nonimpeachment
nonimpedimental
nonimpedimentary
nonimperative
nonimperatively
nonimperativeness
nonimperial
nonimperialistic
nonimperialistically
nonimperially
nonimperialness
nonimperious
nonimperiously
nonimperiousness
nonimplement
nonimplemental
nonimplication
nonimplicative
nonimplicatively
nonimportation
nonimporting
nonimposition
nonimpregnated
nonimpressionability
nonimpressionable
nonimpressionableness
nonimpressionabness
nonimpressionist
nonimpressionistic
nonimprovement
nonimpulsive
nonimpulsively
nonimpulsiveness
nonimputability
nonimputable
nonimputableness
nonimputably
nonimputation
nonimputative
nonimputatively
nonimputativeness
nonincandescence
nonincandescent
nonincandescently
nonincarnate
nonincarnated
nonincestuous
nonincestuously
nonincestuousness
nonincident
nonincidental
nonincidentally
nonincitement
nonincliable
noninclination
noninclinationaI
noninclinary
noninclusion
noninclusive
noninclusively
noninclusiveness
nonincorporated
nonincorporative
nonincreasable
nonincrease
nonincreasing
nonincriminating
nonincrimination
nonincriminatory
nonincrusting
nonindependent
nonindependently
nonindexed
nonindictable
nonindictment
nonindigenous
nonindividual
nonindividualistic
nonindividualities
nonindividuality
noninduced
noninducible
noninductive
noninductively
noninductivity
nonindulgence
nonindulgent
nonindulgently
nonindurated
nonindurative
nonindustrial
nonindustrialization
nonindustrially
nonindustrious
nonindustriously
nonindustriousness
noninert
noninertial
noninertly
noninertness
noninfallibilist
noninfallibility
noninfallible
noninfallibleness
noninfallibly
noninfantry
noninfected
noninfecting
noninfection
noninfectious
noninfectiously
noninfectiousness
noninferable
noninferably
noninferential
noninferentially
noninfinite
noninfinitely
noninfiniteness
noninflammability
noninflammable
noninflammableness
noninflammably
noninflammatory
noninflation
noninflationary
noninflected
noninflectional
noninflectionally
noninfluence
noninfluenal
noninfluentially
noninformational
noninformative
noninformatively
noninformativeness
noninfraction
noninfusibility
noninfusible
noninfusibleness
noninfusibleness
noninhabitability
noninhabitable
noninhabitance
noninhabitancies
noninhabitancy
noninhabitant
noninherence
noninherent
noninherently
noninheritability
noninheritable
noninheritableness
noninheritableness
noninherited
noninhibitive
noninhibitory
noninitial
noninitially
noninjuries
noninjurious
noninjuriously
noninjuriousness
noninjury
noninoculation
noninoculative
noninquiring
noninquiringly
noninsect
noninsertion
noninsistence
noninsistencies
noninsistency
noninsistent
noninspissating
noninstinctive
noninstinctively
noninstinctual
noninstinctually
noninstitution
noninstitutional
noninstitutionally
noninstruction
noninstructional
noninstructionally
noninstructive
noninstructively
noninstructiveness
noninstructress
noninstrumental
noninstrumentalistic
noninstrumentally
noninsular
noninsularity
noninsurance
nonintegrable
nonintegration
nonintegrity
nonintellectual
nonintellectually
nonintellectualness
nonintellectuals
nonintelligence
nonintelligent
nonintelligently
nonintent
nonintention
noninteracting
noninteractive
nonintercepting
noninterceptive
noninterchangeability
noninterchangeable
noninterchangeableness
noninterchangeably
nonintercourse
noninterdependence
noninterdependency
noninterdependent
noninterdependently
noninterfaced
noninterference
noninterferer
noninterfering
noninterferingly
noninterleaved
nonintermission
nonintermittence
nonintermittent
nonintermittently
nonintermittentness
noninternational
noninternationally
noninterpolating
noninterpolation
noninterpolative
noninterposition
noninterpretability
noninterpretable
noninterpretational
noninterpretative
noninterpretively
noninterpretiveness
noninterrupted
noninterruptedly
noninterruptedness
noninterruption
noninterruptive
nonintersecting
nonintersectional
nonintersector
nonintervention
noninterventional
noninterventionalist
noninterventionist
noninterventionists
nonintimidation
nonintoxicant
nonintoxicants
nonintoxicating
nonintoxicatingly
nonintoxicative
nonintrospective
nonintrospectively
nonintrospectiveness
nonintroversive
nonintroversively
nonintroversiveness
nonintroverted
nonintrovertedly
nonintrovertedness
nonintrusion
nonintrusionism
nonintrusionist
nonintrusive
nonintuitive
nonintuitively
nonintuitiveness
noninvasive
noninverted
noninverting
noninvidious
noninvidiously
noninvidiousness
noninvincibility
noninvincible
noninvincible
noninvincibility
noninvincibly
noninvolved
noninvolvement
noniodized
nonion
nonionic
nonionized
nonionizing
nonirate
nonirately
nonirenic
nonirenical
noniridescence
noniridescent
noniridescently
nonironic
nonironical
nonironically
nonironicalness
nonirradiated
nonirrational
nonirrationally
nonirrationalness
nonirreparable
nonirrevocability
nonirrevocable
nonirrevocableness
nonirrevocably
nonirrigable
nonirrigated
nonirrigating
nonirrigation
noniritability
nonirritable
nonirritable
nonirritableness
nonirritably
noniritancy
nonirritant
nonirritating
nonisobaric
nonisoelastic
nonisolable
nonisotropic
nonisotropous
nonissuable
nonissuably
nonius
nonjoinder
nonjournalistic
nonjournalistically
nonjudgmental
nonjudicable
nonjudicative
nonjudicatories
nonjudicatory
nonjudiciable
nonjudicial
nonjudicially
nonjurable
nonjurancy
nonjurant
nonjurantism
nonjuress
nonjuridic
nonjuridical
nonjuridically
nonjuries
nonjuring
nonjurist
nonjuristic
nonjuristical
nonjuristically
nonjuror
nonjurorism
nonjurors
nonjury
nonjurying
nonkinetic
nonknowledge
nonknowledgeable
nonkoshier
nonlabeling
nonlabelling
nonlacteal
nonlacteally
nonlacteous
nonlactescent
nonlactic
nonlaminable
nonlaminated
nonlaminating
nonlaminative
nonlanguage
nonlarcenous
nonlawyer
nonlayered
nonlaying
nonleaded
nonleaking
nonlegal
nonlegato
nonlegislative
nonlegislatively
nonlegitimacy
nonlegitimate
nonlegume
nonleguminous
nonlepidopteral
nonlepidopteran
nonlepidopterous
nonleprous
nonleprously
nonlethal
nonlethally
nonlethargic
nonlethargical
nonlethargically
nonlevel
nonleviable
nonlevulose
nonliabilities
nonliability
nonliable
nonlibelous
nonlibelously
nonliberal
nonliberalism
nonliberation
nonlibidinous
nonlibidinously
nonlibidinousness
nonlicensable
nonlicenced
nonlicentiate
nonlicentious
nonlicentiously
nonlicentiousness
nonlicet
nonlicit
nonlicking
nonlife
nonlimitation
nonlimitative
nonlimiting
nonlinear
nonlinearities
nonlinearity
nonlinearity's
nonlinearly
nonlinguistic
nonlinkage
nonlipoidal
nonliquefiable
nonliquefying
nonliquid
nonliquidating
nonliquidation
nonliquidly
nonlister
nonlisting
nonliteracy
nonliteral
nonliterality
nonliterally
nonliteralness
nonliterarily
nonliterariness
nonliterary
nonliterate
nonlitigated
nonlitigation
nonlitigious
nonlitigiously
nonlitigiousness
nonliturgic
nonliturgical
nonliturgically
nonlive
nonlives
nonliving
nonlixiviated
nonlixiviation
nonlocal
nonlocalizable
nonlocalized
nonlocally
nonlocals
nonlocation
nonlogic
nonlogical
nonlogicality
nonlogically
nonlogicalness
nonlogistic
nonlogistical
nonlosable
nonloser
nonlover
nonloving
nonloxodromic
nonloxodromical
nonloyal
nonloyally
nonloyalties
nonloyalty
nonlubricant
nonlubricating
nonlubricious
nonlubriciously
nonlubriciousness
nonlucid
nonlucidity
nonlucidly
nonlucidness
nonlucrative
nonlucratively
nonlucrateness
nonlugubrious
nonlugubriously
nonlugubriousness
nonluminescence
nonluminescent
nonluminosity
nonluminous
nonluminously
nonluminousness
nonluster
nonlustrous
nonlustrously
nonlustrousness
nonly
nonlymphatic
nonlyric
nonlyrical
nonlyrically
nonlyricalness
nonlyricism
nonmagnetic
nonmagnetical
nonmagnetically
nonmagnetizable
nonmagnetized
nonmailable
nonmaintenance
nonmajorities
nonmajority
nonmakeup
nonmalarial
nonmalarian
nonmalarious
nonmalicious
nonmaliciously
nonmaliciousness
nonmalignance
nonmalignancy
nonmalignant
nonmalignantly
nonmalignity
nonmalleability
nonmalleable
nonmalleableness
nonmalleableness
nonmammalian
nonman
nonmanagement
nonmandatories
nonmandatory
nonmanifest
nonmanifestation
nonmanifestly
nonmanifestness
nonmanila
nonmanipulative
nonmanipulatory
nonmannered
nonmanneristic
nonmannite
nonmanual
nonmanually
nonmanufacture
nonmanufactured
nonmanufacturing
nonmarine
nonmarital
nonmaritally
nonmaritime
nonmarket
nonmarketability
nonmarketable
nonmarriage
nonmarriageability
nonmarriageable
nonmarriageableness
nonmarriageabness
nonmarrying
nonmarital
nonmartially
nonmaritalesse
nonmarveling
nonmasculine
nonmasculinely
nonmasculineness
nonmasculinity
nonmaskable
nonmason
nonmasteries
nonmastery
nonmatching
nonmaterial
nonmaterialistic
nonmaterialistically
nonmateriality
nonmaternal
nonmaternally
nonmathematic
nonmathematical
nonmathematically
nonmathematician
nonmatrimonial
nonmatrimonially
nonmatter
nonmaturatation
nonmaturative
nonmature
nonmaturely
nonmatureness
nonmaturity
nonmeasurability
nonmeasurable
nonmeasurableness
nonmeasurably
nonmechanical
nonmechanically
nonmechanicalness
nonmechanistic
nonmediation
nonmediative
nonmedicable
nonmedical
nonmedically
nonmedicative
nonmedicinal
nonmedically
nonmedicinal
nonmedically
nonmedительive
nonmeditativeness
nonmedullated
nonmelodic
nonmelodically
nonmelodious
nonmelodiously
nonmelodiousness
nonmelodramatic
nonmelodramatically
nonmelting
nonmember
nonmembers
nonmembership
nonmen
nonmenacing
nonmendicancy
nonmendicant
nonmenial
nonmenially
nonmental
nonmentally
nonmercantile
nonmercearies
nonmercenaries
nonmercenary
nonmerchantable
nonmeritorious
nonmetal
nonmetallic
nonmetalliferous
nonmetallurgic
nonmetallurgical
nonmetallurgically
nonmetals
nonmetamorphic
nonmetamorphoses
nonmetamorphosis
nonmetamorphous
nonmetaphoric
nonmetaphorical
nonmetaphorically
nonmetaphysical
nonmetaphysically
nonmeteors
nonmeteорically
nonmeteorologic
nonmeteorological
nonmeteorologically
nonmethodic
nonmethodical
nonmethodically
nonmethodicalness
nonmetric
nonmetrical
nonmetrically
nonmetropolitan
nonmicrobic
nonmicroprogrammed
nonmicroscopic
nonmicroscopical
nonmicroscopically
nonmigrant
nonmigrating
nonmigration
nonmigratory
nonmilitancy
nonmilitant
nonmilitantly
nonmilitants
nonmilitarily
nonmilitary
nonmillionaire
nonmimetic
nonmimetically
nonmineral
nonmineralogical
nonmineralogically
nonminimal
nonministerial
nonministerially
nonministration
nonmiraculous
nonmiraculously
nonmiraculousness
nonmischievous
nonmischievously
nonmischievousness
nonmiscibility
nonmiscible
nonmissionaries
nonmissionary
nonmitigation
nonmitigative
nonmitigatory
nonmobile
nonmobility
nonmodal
nonmodally
nonmoderate
nonmoderately
nonmoderateness
nonmodern
nonmodernistic
nonmodernly
nonmodernity
nonmoderness
nonmodificative
nonmodificatory
nonmodifying
nonmolar
nonmolecular
nonmomentariness
nonmomentary
nonmonarchal
nonmonarchally
nonmonarchical
nonmonarchic
nonmonarchical
nonmonarchically
nonmonarchist
nonmonarchistic
nonmonastic
nonmonastically
nonmonetary
nonmoney
nonmonist
nonmonistic
nonmonistically
nonmonogamous
nonmonogamously
nonmonopolistic
nonmonotheistic
nonmorainic
nonmoral
nonmorality
nonmortal
nonmortally
nonmotile
nonmotility
nonmotion
nonmotivated
nonmotivation
nonmotivational
nonmotoring
nonmotorist
nonmountainous
nonmountainously
nonmoveability
nonmoveable
nonmoveableness
nonmoveably
nonmucilaginous
nonmucous
nonmulched
nonmultiple
nonmultiplication
nonmultiplicational
nonmultiplicative
nonmultiplicatively
nonmunicipal
nonmunicipally
nonmuscular
nonmuscularly
nonmusical
nonmusically
nonmusicalness
nonmussable
nonmutability
nonmutable
nonmutableness
nonmutably
nonmutational
nonmutationally
nonmutative
nonmutinous
nonmutinously
nonmutinousness
nonmutual
nonmutuality
nonmutually
nonmyopic
nonmyopically
nonmystic
nonmystical
nonmystically
nonmysticalness
nonmysticism
nonmythical
nonmythically
nonmythologic
nonmythological
nonmythologically
nonnant
nonnarcism
nonnarcissism
nonnarcissistic
nonnarcotic
nonnarration
nonnarrative
nonnasal
nonnasality
nonnasally
nonnat
nonnational
nonnationalism
nonnationalistic
nonnationalistically
nonnationalization
nonnationally
nonnative
nonnullively
nonnatives
nonnattily
nonnattiness
nonnatty
nonnatural
nonnaturalist
nonnaturalistic
nonnullarity
nonnullarily
nonnullarness
nonnaturals
nonnautical
nonnautically
nonnaval
nonnavigability
nonnavigable
nonnavigableness
nonnavigably
nonnavigation
nonnubular
nonnebulous
nonnebulously
nonnebulosity
nonnecessary
nonnecessities
nonnecessitous
nonnecessitously
nonnecessitousness
nonnecessity
nonnegation
nonnegative
nonnegativism
nonnegativistic
nonnegativity
nonnegligence
nonnegligent
nonnegligently
nonnegligibility
nonnegligible
nonnegligibleness
nonnegligibly
nonnegotiability
nonnegotiable
nonnegotiation
nonnephritic
nonnervous
nonnervously
nonnervousness
nonnescience
nonnescient
nonneural
nonneurotic
nonneutral
nonneutrality
nonneutrally
nonnicotinic
nonnihilism
nonnihilist
nonnihilistic
nonnitric
nonnitrogenized
nonnitrogenous
nonnitrous
nonnobility
nonnoble
nonnocturnal
nonnocturnally
nonnomad
nonnomadic
nonnomadically
nonnominalistic
nonnomination
nonnormal
nonnormality
nonnormally
nonnormalness
nonnotable
nonnotableness
nonnotably
nonnotational
nonnotification
nonnotional
nonnoumenal
nonnoumenally
nonnourishing
nonnourishment
nonnullification
nonnullification
nonnumeral
nonnumeric
nonnumerical
nonnutrient
nonnutriment
nonnutritious
nonnutritiously
nonnutritiousness
nonnutritive
nonnutritively
nonnutritiveness
nonny
nonobedience
nonobedient
nonobediently
nonobese
nonobjectification
nonodoriferousness
nonodorous
nonodorously
nonodorousness
nonoecumenic
nonoecumenical
nonoffender
nonoffensive
nonoffensively
nonoffensiveness
nonofficeholder
nonofficeholding
nonofficial
nonofficially
nonofficialal
nonogenarian
nongoic
nonoily
nonolfactories
nonolfactory
nonoligarchic
nonoligarchical
nonomad
nonomissible
nonomission
nononerous
nononerously
nononerousness
nonopacities
nonopacity
nonopaque
nonopening
nonoperable
nonoperatic
nonoperatically
nonoperating
nonoperational
nonoperative
nonopinionaness
nonopinionated
nonopinionatedness
nonopinionative
nonopinionatively
nonopinionativeness
nonopposible
nonopposible
nonopposing
nonopposition
nonoppression
nonoppressive
nonoppressively
nonoppressiveness
nonopprobrious
nonopprobriously
nonopprobriousness
nonoptic
nonoptical
nonoptically
nonoptimistic
nonoptimistical
nonoptimistically
nonoptional
nonoptionally
nonoral
nonorally
nonorchestral
nonorchestrally
nonordained
nonordered
nonordination
nonorganic
nonorganically
nonorganization
nonorientable
nonoriental
nonorientation
nonoriginal
nonoriginally
nonornamental
nonornamentality
nonornamentally
nonorthodox
nonorthodoxly
nonorthogonal
nonorthogonality
nonorthographic
nonorthographical
nonorthographically
nonoscine
nonosmotic
nonosmotically
nonostensible
nonostensibly
nonostensive
nonostensively
nonostentation
nonpar
nonparabolic
nonparabolical
nonparabolically
nonparadoxical
nonparadoxically
nonparadoxicalness
nonparallel
nonparallelism
nonparalyses
nonparalysis
nonparalytic
nonparametric
nonparasitic
nonparasitical
nonparasitically
nonparasitism
nonpardonning
nonpareil
nonpareils
nonparent
nonparental
nonparentally
nonpariello
nonparishioner
nonparity
nonparliamentary
nonparlor
nonparochial
nonparochially
nonparous
nonpartial
nonpartialities
nonpartiality
nonpartially
nonpartible
nonparticipant
nonparticipating
nonparticipation
nonpartisan
nonpartisanism
nonpartisans
nonpartisanship
nonpartizan
nonpartner
nonparty
nonpassenger
nonpasserine
nonpassible
nonpassionate
nonpassionately
nonpassionateness
nonpastoral
nonpastorally
nonpatentability
nonpatentable
nonpatented
nonpatently
nonpaternal
nonpaternally
nonpathogenic
nonpathologic
nonpathological
nonpathologically
nonpatriotic
nonpatriotically
nonpatterned
nonpause
nonpayer
nonpaying
nonpayment
nonpeak
nonpeaked
nonpearlitic
nonpecuniary
nonpedagogic
nonpedagogical
nonpedagogically
nonpedestrian
nonpedigree
nonpedigreed
nonpejorative
nonpejoratively
nonpelagic
nonpeltast
nonpenal
nonpenalized
nonpendant
nonpendency
nonpendent
nonpendently
nonpending
nonpenetrability
nonpenetrable
nonpenetrably
nonpenetrating
nonpenetration
nonpenitent
nonpensionable
nonpensioner
nonperceivable
nonperceivably
nonperceiving
nonperceptibility
nonperceptible
nonperceptibleness
nonperceptibly
nonperception
nonperceptional
nonperceptive
nonperceptively
nonperceptiveness
nonperceptivity
nonperceptual
nonpercipience
nonpercipiency
nonpercipient
nonpercussive
nonperfected
nonperfectibility
nonperfectible
nonperfectible
nonperfection
nonperforate
nonperforated
nonperforating
nonperformance
nonperformer
nonperforming
nonperilous
nonperilously
nonperiodic
nonperiodical
nonperiodically
nonperishable
nonperishables
nonperishing
nonperjured
nonperjuries
nonperjury
nonpermanence
nonpermanency
nonpermanent
nonpermanently
nonpermeability
nonpermeable
nonpermeation
nonpermeative
nonpermissibility
nonpermissible
nonpermissibly
nonpermission
nonpermissive
nonpermissively
nonpermissiveness
nonpermitted
nonperpendicular
nonperpendicularity
nonperpendicularly
nonperpetration
nonperpetual
nonperpetually
nonperpetuance
nonperpetuation
nonperpetuities
nonperpetuity
nonpersecuting
nonpersecution
nonpersecutive
nonpersecutory
nonperseverance
nonperseverant
nonpersevering
nonpersistence
nonpersistency
nonpersistent
nonpersistently
nonpersisting
nonperson
nonpersonal
nonpersonally
nonpersonification
nonperspective
nonpersuadable
nonpersuasible
nonpersuasive
nonpersuasively
nonpersuasiveness
nonpertinence
nonpertinency
nonpertinent
nonpertinently
nonperturbable
nonperturbing
nonpervense
nonperversely
nonperverseness
nonpersion
nonperversities
nonperversity
nonperversive
nonpvereted
nonpvertedly
nonpervertible
nonpessimistic
nonpessimistically
nonpestilent
nonpestential
nonpestilently
nonphagocytic
nonpharmaceutic
nonpharmaceutical
nonpharmaceutically
nonphenolic
nonphenomenal
nonphenomenally
nonphilanthropic
nonphilanthropical
nonphilologic
nonphilological
nonphilosophic
nonphilosophical
nonphilosophically
nonphilosophies
nonphilosophy
nonphobic
nonphonemic
nonphonemically
nonphonetic
nonphonetical
nonphonetically
nonphosphatic
nonphosphorized
nonphosphorous
nonphotobiotic
nonphotographic
nonphotographical
nonphotographically
nonphrenetic
nonphrenetically
nonphysical
nonphysically
nonphysiologic
nonphysiological
nonphysiologically
nonpickable
nonpictorial
nonpictorially
nonpigmented
nonpinaceous
nonplacental
nonplacenta
nonplanar
nonplane
nonplanetary
nonplantowning
nonplastic
nonplasticity
nonplate
nonplated
nonplacitudinous
nonplacitudinously
nonplausibility
nonplausible
nonplausibles
nonplausibly
nonpleadable
nonleading
nonleadingly
nonliability
nonliable
nonliableness
nonliably
nonliancy
nonpliant
nonpliantly
nonpliantness
nonpluralistic
nonpluralities
nonplurality
nonplus
nonplusation
nonplused
nonpluses
nonplushed
nonplusing
nonplussation
nonplussed
nonplusses
nonplussing
nonplutocratic
nonplutocratical
nonpneumatic
nonpneumatically
nonpoet
nonpoetic
nonpoisonous
nonpoisonously
nonpoisonousness
nonpolar
nonpolarity
nonpolarizable
nonpolarizing
nonpolemic
nonpolemical
nonpolemically
nonpolitical
nonpolitically
nonpolluted
nonpolluting
nonponderability
nonponderable
nonponderosity
nonponderous
nonponderously
nonponderousness
nonpopery
nonpopular
nonpopularity
nonpopularly
nonpopulous
nonpopulously
nonpopulousness
nonporness
nonpornographic
nonporous
nonporousness
nonporphyritic
nonport
nonportability
nonportable
nonportentous
nonportentously
nonportentousness
nonportrayable
nonportrayal
nonpositive
nonpositivistic
nonpossessed
nonpossession
nonpossessive
nonpossessively
nonpossessiveness
nonpossessor
nonpossible
nonpossibly
nonposthumous
nonpostponement
nonpotable
nonpotential
nonpower
nonpracticability
nonpracticable
nonpracticableness
nonpractically
nonpractical
nonpracticality
nonpractically
nonpracticalness
nonpractice
nonpracticed
nonpraedial
nonpragmatic
nonpragmatical
nonpragmatically
nonpreaching
nonprecedent
nonprecedential
nonprecious
nonpreciously
nonpreciousness
nonprecipitation
nonprecipitative
nonpredatorily
nonpredatoriness
nonpredatory
nonpredestination
nonpredicative
nonpredicatively
nonpredictable
nonpredictive
nonpreferability
nonpreferable
nonpreferableness
nonpreferably
nonpreference  nonpreferential  nonpreferentialism  nonpreferentially  nonpreformed  nonpregnant  nonprehensile  nonprejudiced  nonprejudicial  nonprejudicially  nonprelatic  nonprelatical  nonpremium  nonpreparation  nonpreparative  nonpreparatory  nonpreparedness  nonprepayment  nonprepositional  nonprepositionally  nonpresbyter  nonprescient  nonpresciently  nonprescribed  nonprescriber  nonprescription  nonprescriptive  nonpresence  nonpresentability  nonpresentable  nonpresentableness  nonpresentably  nonpresentation  nonpresentational  nonpreservable  nonpreservation  nonpreservative  nonpresidential  nonpress  nonpressing  nonpressure  nonpresumptive  nonpresumptively  nonprevalence  nonprevalent  nonprevalently  nonpreventable  nonpreventible
nonprevention
nonpreventive
nonpreventively
nonpreventiveness
nonpriestly
nonprimitive
nonprimitively
nonprimitiveness
nonprincipiate
nonprincipled
nonprintable
nonprinting
nonprivileged
nonprivities
nonprivacy
nonprobabilities
nonprobability
nonprobable
nonprobably
nonprobation
nonprobative
nonprobatory
nonproblematic
nonproblematical
nonproblematically
nonprocedural
nonprocedurally
nonprocessional
nonprocreation
nonprocreative
nonprocurable
nonprocuration
nonprocurement
nonproducer
nonproducible
nonproducing
nonproduction
nonproductive
nonproductively
nonproductiveness
nonproductivity
nonprofane
nonprofanely
nonprofaneness
nonprofanities
nonprofanity
nonprofessed
nonprofession
nonprofessional
nonprofessionalism
nonprofessionally
nonprofessorial
nonprofessorially
nonproficiency
nonproficiency
nonproficient
nonprofit
nonprofitability
nonprofitable
nonprofitably
nonprofitableness
nonprofiteering
nonprognostication
nonprognosticative
nonprogrammable
nonprogrammer
nonprogressive
nonprogressively
nonprogressiveness
nonprohibitable
nonprohibition
nonprohibitive
nonprohibitively
nonprohibitorily
nonprohibitory
nonprojecting
nonprojection
nonprojective
nonprojectively
nonproletarian
nonproletariat
nonproliferation
nonproliferous
nonprolific
nonprolificacy
nonprolifically
nonprolificness
nonprolifiness
nonprolix
nonproxility
nonprolixly
nonprolixness
nonprolongation
nonprominence
nonprominent
nonprominently
nonpromiscuous
nonpromiscuously
nonpromiscuousness
nonpromissory
nonpromotion
nonpromotive
nonpromulgation
nonpronunciation
nonpropagable
nonpropagandist
nonpropagandistic
nonpropagation
nonpropagative
nonpropellant
nonprophetic
nonprophetical
nonprophetically
nonpropitiable
nonpropitiation
nonpropitiative
nonproportionable
nonproportional
nonproportionally
nonproportionate
nonproportionately
nonproportionateness
nonproportioned
nonproprieties
nonproprietary
nonproprietor
nonpropriety
nonprorogation
nonpros
nonprosaic
nonprosaically
nonprosaicness
nonproscription
nonproscriptive
nonproscriptively
nonprosecution
nonprospect
nonprosperity
nonprosperous
nonprosperously
nonprosperousness
nonprossed
nonprosses
nonprossing
nonprotecting
nonprotection
nonprotective
nonprotectively
nonproteid
nonprotein
nonproteinaceous
nonprotestation
nonprotesting
nonprotractile
nonprotractility
nonprotraction
nonprotrusion
nonprotrusive
nonprotrusively
nonprotrusiveness
nonprotuberance
nonprotuberances
nonprotuberancy
nonprotuberant
nonprotuberantly
nonprovable
nonproven
nonprovided
nonprovident
nonprovidential
nonprovidentially
nonprovidently
nonprovider
nonprovincial
nonprovincially
nonprovisional
nonprovisionally
nonprovisionary
nonprovocation
nonprovocative
nonprovocatively
nonprovocativeness
nonproximity
nonprudence
nonprudent
nonprudential
nonprudentially
nonprudently
nonpsychiatric
nonpsychic
nonpsychical
nonpsychically
nonpsychoanalytic
nonpsychoanalytical
nonpsychoanalytically
nonpsychologic
nonpsychological
nonpsychologically
nonpsychopathic
nonpsychopathically
nonpsychotic
nonpublic
nonpublication
nonpublicity
nonpublishable
nonpueblo
nonpuerile
nonpuerilely
nonpuerilities
nonpuerility
nonpulmonary
nonpulsating
nonpulsation
nonpulsative
nonpumpable
nonpunctual
nonpunctually
nonpunctualness
nonpunctuating
nonpunctuation
nonpuncturable
nonpungency
nonpungent
nonpungently
nonpunishable
nonpunishing
nonpunishment
nonpunitive
nonpunitory
nonpurchasability
nonpurchasable
nonpurchase
nonpurchaser
nonpurgation
nonpurgative
nonpurgatively
nonpurgatorial
nonpurification
nonpurifying
nonpuristic
nonpurposive
nonpurposively
nonpurposiveness
nonpursuance
nonpursuant
nonpursuantly
nonpursuit
nonpurulence
nonpurulent
nonpurulently
nonpurulence
nonputrescence
nonputrescent
nonputrescible
nonputting
nonpyogenic
nonpyritiferous
nonqualification
nonqualifying
nonqualitative
nonqualitatively
nonqualities
nonquality
nonquantitative
nonquantitatively
nonquantitateness
nonquota
nonrabbinical
nonracial
nonracially
nonradiable
nonradiance
nonradiancy
nonradiant
nonradiantly
nonradiating
nonradiation
nonradiative
nonradical
nonradically
nonradicalness
nonradicness
nonradioactive
nonrailroader
nonraisable
nonraiseable
nonraised
nonrandom
nonrandomly
nonrandomness
nonranging
nonrapport
nonratability
nonratable
nonratableness
nonratably
nonrateability
nonrateable
nonrateableness
nonrateably
nonrated
nonratification
nonratifying
nonrational
nonrationalism
nonrationalist
nonrationalistic
nonrationalistical
nonrationalistically
nonrationality
nonrationalization
nonrationalized
nonrationally
nonrationalness
nonrayed
nonreaction
nonreactionaries
nonreactionary
nonreactive
nonreactor
nonreadability
nonreadable
nonreadableness
nonreadably
nonreader
nonreaders
nonreading
nonrealism
nonrealist
nonrealistic
nonrealistically
nonrealities
nonreality
nonrealizable
nonrealization
nonrealizing
nonreasonability
nonreasonable
nonreasonableness
nonreasonably
nonreasoner
nonreasoning
nonrebel
nonrebellion
nonrebellious
nonrebelliously
nonrebelliousness
nonrecalcitrance
nonrecalcitrancy
nonrecalcitrant
nonreceipt
nonreceivable
nonreceiving
nonrecent
nonreception
nonreceptive
nonreceptively
nonreceptiveness
nonreceptivity
nonrecess
nonrecession
nonrecessive
nonrecipience
nonrecipiency
nonrecipient
nonreciprocable
nonreciprocally
nonreciprocals
nonreciprocating
nonreciprocity
nonrecision
nonrecital
nonrecitation
nonrecitative
nonreclaimable
nonreclamation
nonreclude
nonreclusive
nonrecognition
nonrecognized
nonrecoil
nonrecoiling
nonrecollection
nonrecollective
nonrecombinant
nonrecommendation
nonreconcilability
nonreconcilable
nonreconcilableness
nonreconcilably
nonreconciliation
nonrecovery
nonrecoverable
nonrecoverability
nonrecovery
nonrectangular
nonrectangularity
nonrectangularly
nonrectifiable
nonrectified
nonrecuperativeness
nonrecuperative
nonrecuperativeness
nonrecuperatory
nonrecurrent
nonrecurrently
nonrecurrent
nonrecurring
nonredeemable
nonredemptible
nonredemption
nonredemptive
nonredressing
nonreduced
nonreducibility
nonreducible
nonreducibly
nonreducing
nonreduction
nonreductional
nonreductive
nonreference
nonrefillable
nonrefined
nonrefinement
nonreflected
nonreflecting
nonreflection
nonreflective
nonreflectively
nonreflectiveness
nonreflector
nonreformation
nonreformational
nonrefracting
nonrefraction
nonfractional
nonrefractive
nonrefractively
nonrefractiveness
nonrefrigerant
nonrefueling
nonrefuelling
nonrefundable
nonrefutal
nonrefutation
nonregardance
nonregarding
nonregenerate
nonregenerating
nonregeneration
nonregenerative
nonregeneratively
nonregent
nonregimental
nonregimented
nonregistered
nonregistrability
nonregistrable
nonregistration
nonregression
nonregressive
nonregressively
nonregulation
nonregulative
nonregulatory
nonrehabilitation
nonreigning
nonreimbursement
nonreinforcement
nonreinstatement
nonrejection
nonrejoinder
nonrelapsed
nonrelated
nonrelatiness
nonrelation
nonrelational
nonrelative
nonrelatively
nonrepatriation
nonrepayable
nonrepaying
nonrepealable
nonrepealing
nonrepeat
nonrepeated
nonrepeater
nonrepellence
nonrepellency
nonrepellent
nonrepeller
nonrepentance
nonrepentant
nonrepentantly
nonrepetition
nonrepetitious
nonrepetitiously
nonrepetitiousness
nonrepetitive
nonrepetitively
nonreplaceable
nonreplacement
nonreplicate
nonreplicated
nonreplication
nonreportable
nonreprehensibility
nonreprehensible
nonreprehensibleness
nonreprehensibly
nonrepresentable
nonrepresentation
nonrepresentational
nonrepresentationalism
nonrepresentationist
nonrepresentative
nonrepresentatively
nonrepresentativeness
nonrepressed
nonrepressible
nonrepressibleness
nonrepressibly
nonrepression
nonpressive
nonreprisal
nonreproducible
nonreproduction
nonreproductive
nonreproductively
nonreproductiveness
nonrepublican
nonrepudiable
nonrepudiation
nonrepudiative
nonreputable
nonreputably
nonrequirable
nonrequirement
nonrequisite
nonrequisitely
nonrequisiteness
nonrequisition
nonrequal
nonrescissible
nonrescission
nonrescissory
nonrescue
nonresemblance
nonreservable
nonreservation
nonreserve
nonresidence
nonresidency
nonresident
nonresidential
nonresidenter
nonresidential
nonresidentiary
nonresidentor
nonresidents
nonresidual
nonresignation
nonresilience
nonresiliency
nonresilient
nonresiliently
nonresinifiable
nonresistance
nonresistant
nonresistants
nonresister
nonresistibility
nonresistible
nonresisting
nonresistive
nonresistively
nonresistiveness
nonresolution
nonresolvability
nonresolvable
nonresolubleness
nonresolvably
nonresolvableness
nonresonant
nonresonantly
nonrespectabilities
nonrespectability
nonrespectable
nonrespectableness
nonrespectably
nonrespirable
nonresponsibilities
nonresponsibility
nonresponsible
nonresponsible
nonresponsibleness
nonresponsibly
nonresponsive
nonresponsively
nonrestitution
nonrestoration
nonrestorative
nonrestrained
nonrestraint
nonrestricted
nonrestrictedly
nonrestricting
nonrestriction
nonrestrictive
nonrestrictively
nonresumption
nonresurrection
nonresurrectional
nonresuscitable
nonresuscitation
nonresuscitative
nonretail
nonretainable
nonretainment
nonretaliatory
nonretardation
nonretardative
nonretardatory
nonretarded
nonrevocability
nonrevocable
nonrevocably
nonrevocation
nonrevokable
nonrevolting
nonrevolutely
nonrevolution
nonrevolutionaries
nonrevolutionary
nonrevolving
nonrhetorical
nonrhetorically
nonrheumatic
nonrhyme
nonrhymed
nonrhyming
nonrhythm
nonrhythmic
nonrhythmical
nonrhythmically
nonriding
nonrigid
nonrigidity
nonrioter
nonrioting
nonriparian
nonritualistic
nonritualistically
nonrival
nonrivals
nonromantic
nonromantically
nonromanticism
nonrotatable
nonrotating
nonrotation
nonrotational
nonrotative
nonround
nonrousing
nonroutine
nonroyal
nonroyalist
nonroyally
nonroyalty
nonrubber
nonrudimental
nonrudimentarily
nonrudimentariness
nonrudimentary
nonruinable
nonruinous
nonruinously
nonruinoseness
nonruining
nonruminant
nonruminating
nonruminatingly
nonruminatingness
nonruminative
nonrun
nonrupturable
nonrupture
nonrural
nonrurally
nonrustable
nonrustic
nonrustically
nonsabbatic
nonsaccharin
nonsaccharine
nonsaccharinity
nonsacerdotal
nonsacerdotally
nonsacramental
nonsacred
nonsacrely
nonsacredness
nonsacrifice
nonsacrificial
nonsacrificing
nonsacrilegious
nonsacrilegiously
nonsacrilegiousness
nonsailor
nonsalability
nonsalable
nonsalably
nonsalaried
nonsale
nonsaleability
nonsaleable
nonsaleably
nonsaline
nonsalinity
nonsalubrious
nonsalubriously
nonsalubriousness
nonsalutarily
nonsalutariness
nonsalutary
nonsalutation
nonsalvageable
nonsalvation
nonsanative
nonsanctities
nonsanctification
nonsanctimonious
nonsanctimoniously
nonsanctimoniousness
nonsanctimony
nonsanction
nonsanctities
nonsanctity
nonsane
nonsanely
nonsaneness
nonsanguine
nonsanguinely
nonsanguineness
nonsanity
nonsaponifiable
nonsaponification
nonsaporific
nonsatiability
nonsatable
nonsatiation
nonsatire
nonsatiric
nonsatirical
nonsatirically
nonsatiricalness
nonsatirizing
nonsatisfaction
nonsatisfying
nonsaturated
nonsaturation
nonsaving
nonsawing
nonscalding
nonscaling
nonscandalous
nonscandalously
nonscarcities
nonscarcity
nonscented
nonscheduled
nonschematic
nonschematically
nonschematized
nonschismatic
nonschismatical
nonschizophrenic
nonscholar
nonscholarly
nonscholastic
nonscholastical
nonscholastically
nonschooling
nonscientific
nonscientifically
nonscientist
nonscoring
nonscraping
nonscriptural
nonscripturalist
nonscrutinies
nonscrutiny
nonsculptural
nonsculpturally
nonsculptured
nonseasonable
nonseasonable
nonseasonably
nonseasonal
nonseasonally
nonseasoned
nonsecession
nonsecessional
nonsecluded
nonsecludedly
nonsecludedness
nonseclusion
nonexclusive
nonexclusively
nonexclusiveness
nonsecrecies
nonsecrecy
nonsecret
nonsense
nonsensibility
nonsensible
nonsensibleness
nonsensibly
nonsensic
nonsensical
nonsensicality
nonsensically
nonsensicalness
nonsensification
nonsensify
nonsensitive
nonsensitively
nonsensitiveness
nonsensitivities
nonsensitivity
nonsensitization
nonsensitized
nonsensitizing
nonsensorial
nonsensory
nonsensual
nonsensualistic
nonsensualicity
nonsensually
nonsensuous
nonsensuously
nonsensuousness
nonsensuousness
nonsensitive
nonsententious
nonsententiously
nonsententiousness
nonsentience
nonsentiency
nonsentient
nonsentiently
nonseparability
nonseparable
nonseparableness
nonseparably
nonseparating
nonseparation
nonseparatist
nonseparative
nonseptate
nonseptic
nonsequacious
nonsequaciously
nonsequaciousness
nonsequacity
nonsequent
nonsequential
nonsequentially
nonsequestered
nonsequestration
nonseraphic
nonseraphical
nonseraphically
nonserial
nonseriality
nonserially
nonseriate
nonseriately
nonserif
nonserious
nonseriously
nonseriousness
nonserous
nonserviceability
nonserviceable
nonserviceableness
nonserviceably
nonserviential
nonservile
nonservilely
nonservileness
nonsetter
nonsetting
nonsettlement
nonseverable
nonseverance
nonseverities
nonseverity
nonsexist
nonsexists
nonsexlinked
nonsexual
nonsexually
nonshaft
nonsharing
nonshatter
nonshattering
nonshedder
nonshedding
nonshipper
nonshipping
nonshredding
nonshrinkable
nonshrinking
nonshrinkingly
nonsibilance
nonsibilancy
nonsibilant
nonsibilantly
nonsidereal
nonsignable
nonsignatories
nonsignatory
nonsignature
nonsignificance
nonsignificancy
nonsignificant
nonsignificantly
nonsignification
nonsignificative
nonsilicate
nonsilicated
nonsiliceous
nonsilicious
nonsilver
nonsimilar
nonsimilarity
nonsimilarly
nonsimilitude
nonsimplicity
nonsimplification
nonsimilar
nonsimulate
nonsimulation
nonsimulative
nonsine
nonsinging
nonsingle
nonsingleness
nonsingular
nonsingularities
nonsingularity
nonsinkable
nonsinusoidal
nonsiphonage
nonsister
nonsitter
nonsolidarity
nonsolidification
nonsolidified
nonsolidifying
nonsolidly
nonsolids
nonsoluble
nonsolubly
nonsolubleness
nonsoluble
nonsolvable
nonsolvability
nonsolvableness
nonsolvency
nonsolvent
nonsonant
nonsophistic
nonsophistical
nonsophistically
nonsophisticalness
nonsoporific
nonsovereign
nonsovereignly
nonspacious
nonspariously
nonspaciousness
nonspalling
nonsparing
nonsparking
nonsparkling
nonspatial
nonspatiality
nonspatially
nonspeaker
nonspeaking
nonspecial
nonspecialist
nonspecialist's
nonspecialists
nonspecialized
nonspecializing
nonspecially
nonspecie
nonspecifiable
nonspecific
nonspecifically
nonspecification
nonspecificity
nonspecified
nonspecious
nonspeciously
nonspeciousness
nonspectacular
nonspectacularly
nonspectral
nonspectrality
nonspectrally
nonspeculation
nonspeculative
nonspeculatively
nonspeculativeness
nonspeculatory
nonspherical
nonspheric
nonspherical	nonsphericality
nonspherically
nonspill
nonspillable
nonspinal
nonspining
nonspinose
nonspinosely
nonspinosity
nonspiny
nonspiral
nonspirit
nonspirited
nonspiritedly
nonspiritedness
nonspiritous
nonspiritual
nonspirituality
nonspiritually
nonspiritualness
nonspirituness
nonspirituous
nonspirituousness
nonsporting
nonsportingly
nonspottable
nonsprouting
nonspurious
nonspuriously
nonspuriousness
nonstabile
nonstability
nonstable
nonstableness
nonstably
nonstainable
nonstainer
nonstaining
nonstampable
nonstandard
nonstandardization
nonstandardized
nonstanzaic
nonstaple
nonstarch
nonstarter
nonstarting
nonstatement
nonstic
nonstationaries
nonstationary
nonstatistic
nonstatistical
nonstatistically
nonstative
nonstatutable
nonstatutory
nonstellar
nonstereotyped
nonstereotypic
nonstereotypical
nonsterile
nonsterilely
nonsterility
nonsterilization
nonsteroid
nonsteroidal
nonstick
nonsticky
nonstimulable
nonstimulant
nonstimulating
nonstimulation
nonstimulative
nonstipticity
nonstipulation
nonstock
nonstoical
nonstoically
nonstoicalness
nonstooping
nonstop
nonstorable
nonstorage
nonstowed
nonstrategic
nonstrategical
nonstrategically
nonstratified
nonstress
nonstretchable
nonstretchy
nonstriated
nonstrictness
nonstrictured
nonstriker
nonstrikers
nonstriking
nonstringent
nonstriped
nonstrophic
nonstructural
nonstructurally
nonstructure
nonstructured
nonstudent
nonstudied
nonstudious
nonstudiously
nonstudiousness
nonstudy
nonstultification
nonstylization
nonstylized
nonstyptic
nonstyptical
nonsubconscious
nonsubconsciously
nonsubconsciousness
nonsubject
nonsubjected
nonsubjectification
nonsubjection
nonsubjective
nonsubjectively
nonsubjectiveness
nonsubjectivity
nonsubjugable
nonsubjugation
nonsublimation
nonsubliminal
nonsubliminally
nonsubmerged
nonsubmergence
nonsubmergibility
nonsubmergible
nonsubmersible
nonsubmissible
nonsubmission
nonsubmissive
nonsubmissively
nonsubmissiveness
nonsubordinate
nonsubordinating
nonsubordination
nonsubscriber
nonsubscribers
nonsubscribing
nonsubscripted
nonsubscription
nonsubsidiaries
nonsubsidiary
nonsubsididies
nonsubsidies
nonsubsiding
nonsubsidy
nonsubsistence
nonsubsistent
nonsubstantial
nonsubstantialism
nonsubstantialist
nonsubstantiality
nonsubstantially
nonsubstantialness
nonsubstantiation
nonsubstantival
nonsubstantivally
nonsubstantive
nonsubstantively
nonsubstantiveness
nonsubstituted
nonsubstitution
nonsubstitutional
nonsubstitutionally
nonsubstitutionary
nonsubstitutive
nonsubtile
nonsubtilely
nonsubtileness
nonsubtility
nonsubtle
nonsubtleness
nonsubtleties
nonsubtlety
nonsubtly
nonsubtraction
nonsubtractive
nonsubtractively
nonsuburban
nonsubversion
nonsubversive
nonsubversively
nonsubversiveness
nonsuccess
nonsuccessful
nonsuccessfully
nonsuccession
nonsuccessional
nonsuccessionally
nonsuccessive
nonsuccessively
nonsuccessiveness
nonsuccor
nonsuccour
nonsuch
nonsuches
nonsuction
nonsuctorial
nonsudsing
nonsufferable
nonsufferableness
nonsufferably
nonsufferance
nonsuffrage
nonsugar
nonsugars
nonsuggestible
nonsuggestion
nonsuggestive
nonsuggestively
nonsuggestiveness
nonsuit
nonsuited
nonsuiting
nonsuits
nonsulfurous
nonsulphurous
nonsummons
nonsupervision
nonsupplemental
nonsupplementally
nonsupplementary
nonsupplacating
nonsupplantation
nonsupport
nonsupportability
nonsupportable
nonsupportableness
nonsupportably
nonsupporter
nonsupporting
nonsupposed
nonsupposing
nonsuppositional
nonsuppositionally
nonsuppositive
nonsuppositively
nonsuppressed
nonsuppression
nonsuppressive
nonsuppressively
nonsuppressiveness
nonsupplicative
nonsuppression
nonsurface
nonsurgical
nonsurgically
nonsurrealistic
nonsurrealistically
nonsurrender
nonsurvival
nonsurvivor
nonsusceptibility
nonsusceptible
nonsusceptibleness
nonsusceptibly
nonsusceptiveness
nonsusceptive
nonsusceptivity
nonsuspect
nonsuspended
nonsuspension
nonsuspensive
nonsuspensively
nonsuspensiveness
nonsustainable
nonsustained
nonsustaining
nonsustenance
nonswearer
nonswearing
nonsweating
nonswimmer
nonswimming
nonsyllabic
nonsyllabicness
nonsylogistic
nonsylogistical
nonsylogistically
nonsylogizing
nonsymbiotic
nonsymbiotical
nonsymbiotically
nonsymbolic
nonsymbolical
nonsymbolically
nonsymbolicalness
nonsymmetrical
nonsymmetries
nonsymmetry
nonsympathetic
nonsympathetically
nonsympathies
nonsympathizer
nonsympathizing
nonsympathizingly
nonsympathy
nonsymphonic
nonsymphonically
nonsymphonious
nonsymphoniously
nonsymphoniousness
nonsymptomatic
nonsync
nonsynchronal
nonsynchronous
nonsynchronical
nonsynchronically
nonsynchronous
nonsynchronously
nonsynchronousness
nonsyncopation
nonsyndicate
nonsyndicated
nonsyndication
nonsynesthetic
nonsynodic
nonsynodical
nonsynodically
nonsynonymous
nonsynonymously
nonsynoptic
nonsynoptical
nonsynaptically
nonsyntactic
nonsyntactical
nonsyntactically
nonsyntheses
nonsynthesis
nonsynthesized
nonsynthetic
nonsynthetical
nonsynthetically
nonsyntonic
nonsyntonal
nonsyntonically
nonsystem
nonsystematic
nonsystematical
nonsystematically
nontabular
nontabularly
nontabulated
nontactic
nontactical
nontactically
nontactile
nontactility
nontalented
nontalkative
nontalkatively
nontalkativeness
nontan
nontangental
nontangential
nontangentially
nontangible
nontangibleness
nontangibly
nontannic
nontannin
nontanning
nontarget
nontariff
nontarnishable
nontarnished
nontarnishing
nontarred
nontautomological
nontautomologically
nontautomeric
nontautomerizable
nontax
nontaxability
nontaxable
nontaxableness
nontaxably
nontaxation
nontaxer
nontaxes
nontaxonomic
nontaxonomical
nontaxonomically
nonteachability
nonteachable
nonteachableness
nonteachably
nonteacher
nonteaching
nontechnical
nontechnically
nontechnicalness
nontechnologic
nontechnological
nontechnologically
nonteetotaler
nonteetotalist
nontelegraphic
nontelegraphical
nontelegraphically
nonteleologically
nonteleologically
nontelepathic
nontelepathically
nontelephonic
nontelephonically
nontelescopic
nontelescoping
nontelic
nontemperable
nontemperamental
nontemperamentally
nontemperate
nontemperately
nontemperateness
nontempered
nontemporal
nontemporally
nontemporarily
nontemporariness
nontemporary
nontemporizing
nontemporizingly
nontemptation
nontenability
nontenable
nontenableness
nontenably
nontenant
nontenantable
nontensile
nontensility
nontentative
nontentatively
nontentativeness
nontenure
nontenured
nontenurial
nontenurially
nonterm
nonterminability
nonterminable
nonterminableness
nonterminably
nonterminal
nonterminal's
nonterminally
nonterminals
nonterminating
nontermination
nonterminative
nonterminatively
nonterminous
nonterrestrial
nonterritorial
nonterritoriality
nonterritorially
nontestable
nontestamentary
nontesting
nontexual
nontextually
nontextural
nontexturally
nontheatric
nontheatrical
nontheatrically
nontheistic
nontheistical
nontheistically
nonthematic
nonthematically
nontheocratic
nontheocratical
nontheocratically
nontheologic
nontheological
nontheologically
nontheoretic
nontheoretical
nontheoretically
nontheosophic
nontheosophical
nontheosophically
nontherapeutic
nontherapeutical
nontherapeutically
nonthermal
nonthermally
nonthermoplastic
nonthinker
nonthinking
nonthoracic
nonthoroughfare
nonthreaded
nonthreatening
nonthreateningly
nontidal
nontillable
nontimbered
nontinted
nontitaniferous
nontitle
nontitled
nontitular
nontitularly
nontolerable
nontolerableness
nontolerably
nontolerance
nontolerant
nontolerantly
nontolerated
nontoleration
nontolerative
nontonality
nontoned
nontonic
nontopographical
nontortuous
nontortuously
nontotalitarian
nontourist
nontoxic
nontoxically
nontraceability
nontraceable
nontraceableness
nontraceably
nontractability
nontractable
nontractableness
nontractably
nontraction
nontrade
nontrader
nontrading
nontradition
nontraditional
nontraditionalist
nontraditionalistic
nontraditionally
nontraditionary
nontragedies
nontragedy
nontragic
nontragical
nontragically
nontragicalness
nontrailing
nontrained
nontraining
nontraitorous
nontraitorously
nontraitorousness
nontranscribing
nontranscription
nontranscriptive
nontransferability
nontransferable
nontransference
nontransferential
nontransformation
nontransforming
nontransgression
nontransgressive
nontransgressively
nontransience
nontransiency
nontransient
nontransiently
nontransientness
nontransitional
nontransitionally
nontransitive
nontransitively
nontransitiveness
nontranslocation
nontranslucency
nontranslucent
nontransmission
nontransmittal
nontransmittance
nontransmittible
nontransparence
nontransparency
nontransparent
nontransparently
nontransparentness
nontransportability
nontransportable
nontransportation
nontransposable
nontransposing
nontransposition
nontraveler
nontraveling
nontraveller
nontravelling
nontransversable
nontreasonable
nontreasonableness
nontreasonably
nontreatable
nontreated
nontreaties
nontreatment
nontreaty
nontrespass
nontrial
nontribal
nontribally
nontribesman
nontribesmen
nontributary
nontrier
nontrigonometric
nontrigonometrical
nontrigonometrically
nontivial
nontriviality
nontronite
nontropic
nontropical
nontropically
nontroubling
nontruancy
nontruant
nontrump
nontrunked
nontrust
nontrusting
nontruth
nontruths
nontubercular
nontubercularly
nontuberculous
nontubular
nontumorous
nontumultuous
nontumultuously
nontumultuousness
nontuned
nonturbinate
nonturbinated
nontutorial
nontutorially
nontypoidal
nontypical
nontypically
nontypicalness
nontypographic
nontypographical
nontypographically
nontyrannic
nontyrannical
nontyrannically
nontyrannicalness
nontyrannous
nontyrannously
nontyrannousness
nonubiquitary
nonubiquitous
nonubiquitously
nonubiquitousness
nonulcerous
nonulcerously
nonulcerousness
nonultrafilterable
nonumbilical
nonumbilicate
nonumbrellaed
nonunanimous
nonunanimously
nonunanimousness
nonuncial
nonundergraduate
nonunderstandable
nonunderstanding
nonunderstandingly
nonunderstood
nonundulant
nonundulate
nonundulating
nonundulatory
nonvaporosity
nonvaporous
nonvaporously
nonvaporousness
nonvariability
nonvariable
nonvariableness
nonvariably
nonvariance
nonvariant
nonvariation
nonvaried
nonvarieties
nonvariety
nonvarious
nonvariously
nonvariousness
nonvascular
nonvascularly
nonvasculose
nonvasculous
nonvassal
nonvector
nonvegetable
nonvegetation
nonvegetative
nonvegetatively
nonvegetativeness
nonvegetive
nonvehement
nonvehemently
nonvenal
nonvenally
nonvendibility
nonvendible
nonvendibleness
nonvendibly
nonvenereal
nonvenomous
nonvenomously
nonvenomousness
nonvenous
nonvenously
nonvenousness
nonventionation
nonventilative
nonveracious
nonveraciously
nonveraciousness
nonveracity
nonverbal
nonverbalized
nonverbally
nonverbosity
nonverdict
nonverifiable
nonverification
nonverifiable
nonverifiable
nonverbally
nonverbosity
nonverdict
nonverifiable
nonverification
nonverifiable
nonverbally
nonverminous
nonverminously
nonverminousness
nonvernacular
nonversatility
nonvertebral
nonvertebrate
nonvertical
nonverticality
nonvertically
nonverticalness
nonvesicular
nonvesicularly
nonvesting
nonvesture
nonveteran
nonveterinaries
nonveterinary
nonvexatious
nonvexatiously
nonvexatiousness
nonviability
nonviable
nonvibratile
nonvibrating
nonvibration
nonvibrator
nonvibratory
nonvicarious
nonvicariously
nonvicariousness
nonvictories
nonvictory
nonvigilance
nonvigilant
nonvigilantly
nonvigilantness
nonvillager
nonvillainous
nonvillainously
nonvillainousness
nonindicable
nonindication
noninsonority
nonrinosious
nonvintagable
nonviablelarity
nonviolable
nonviolableness
nonviolably
nonviolation
nonviolent
nonviolently
nonviolent
nonvirginal
nonvirginally
nonvirile
nonvirility
nonvirute
nonvirtuous
nonvirtuously
nonvirtuousness
nonvirulent
nonvirulently
nonviruliferous
nonvisaed
nonvisceral
nonviscid
nonviscidity
nonviscidly
nonviscidness
nonviscous
nonviscously
nonviscusness
nonvisibilities
nonvisibility
nonvisible
nonvisibly
nonvisional
nonvisionary
nonvisitation
nonvisiting
nonvisual
nonvisualized
nonvisually
nonvital
nonvitality
nonvitalized
nonvitally
nonvitalness
nonvitation
nonvitreous
nonvitrified
nonvitiolic
nonviturperative
nonviturperatively
nonviviparity
nonviviparous
nonviviparously
nonvivipariousness
nonvocable
nonvocal
nonvocalic
nonvocality
nonvocalization
nonvocally
nonvocalness
nonvocational
nonvocationally
nonvoice
nonvoid
nonvoidable
nonvolant
nonvolatile
nonvolatileness
nonvolatility
nonvolatilizable
nonvolatilized
nonvolativeness
nonvolcanic
nonvolition
nonvolitional
nonvolubility
nonvoluble
nonvolubleness
nonvolubly
nonvoluntary
nonvortal
nonvortically
nonvoter
nori
noria
norias
norice
norie
norimon
norit
norite
norites
noric
norio
norito
nork
norkyn
norland
norlander
norlandism
norlands
norleucine
norm
norm’s
norma
normal
normalacy
normalacies
normalcy
normalisation
normalise
normalised
normalising
normalism
normalist
normalities
normality
normalizable
normalization
normalizations
normalize
normalized
normalizer
normalizes
normalizing
normally
normalness
normals
norman
normandy
normans
normated
normative
normatively
normativeness
normed
normless
normoblast
normoblastic
normocyte
normocytic
normotensive
normothermia
normothermic
norms
norm
norna
nornicotine
nornorwest
noropianic
norpinic
norroy
norry
norse
norsel
norseled
norseler
norseling
norselled
norselling
norseman
norsemen
norsk
nortelry
north
north'ard
northbound
northcountryman
northeast
northeaster
northeasterly
northeastern
northeasterner
northeasternmost
northeasters
northeastward
northeastwardly
northeastwards
northen
northeners
nostalgies
nostalgia
noster
nostic
nostoc
nostocaceous
nostochine
nostocs
nostologic
nostology
nostomania
nostomanic
nostradamus
nostrificate
nostrification
nostril
nostril's
nostriled
nostrility
nostrilled
nostrils
nostrilsome
nostrum
nostrummonger
nostrummongership
nostrummongery
nostrums
nosy
not
nota
notabene
notabilia
notabilities
notability
notable
notableness
notables
notably
notacanthid
notacanthoid
notacanthous
notaecal
notaecum
notal
notalgia
notalgic
notalia
notan
notanduda
notandum
notandums
notanencephalia
notarial
notarially
notariate
notaries
notarikon
notarization
notarizations
notarize
notarized
notarizes
notarizing
notary
notaryship
notate
notated
notates
notating
notation
notation's
notational
notations
notative
notator
notaulix
notch
notchback
notchboard
notched
notchel
notcher
notchers
notches
notchful
notching
notchweed
notchwing
notchwort
notchy
note
notebook
notebook's
notebooks
notecase
notecases
notoire
notommatid
notonectal
notonectid
notopodial
notopodium
notopterid
notopteroid
notorhizal
notorieties
notoriety
notorious
notoriously
notoriousness
notornis
notothere
nototherium
nototribe
notoungulate
notour
notourly
notre
nots
notself
notturni
notturno
notum
notungulate
notus
notwithstanding
nouche
nougat
nougatine
nougats
nought
noughtily
noughtiness
noughtly
noughts
noughty
nouille
nouilles
nould
noumea
noumeaite
noumeite
noumena
noumenal
noumenalism
noumenalist
noumenality
noumenalize
noumenally
noumenism
noumenon
noumenona
noummos
noum
noun's
noumal
noumally
nounize
nounless
nouns
noup
nourice
nourish
nourishable
nourished
nourisher
nourishers
nourishes
nourishing
nourishingly
nourishment
nourishments
nouriture
nous
nousel
nouses
nouther
nouveau
nouveaute
nouveautes
nouveaux
nouvelle
nouvelles
nov
nova
novaculite
novae
novale
novalia
novalike
novantique
novarsenobenzene
novas
novate
novatian
novation
novations
novative
novator
novatory
novatrix
novic
noveboracensis
novel
novel's
novela
novelant
novelcraft
noveldom
novelese
novelesque
novelet
noveletist
novelette
noveletter
novelettes
novelettish
novelettist
noveletty
novelisation
novelise
novelised
novelises
novelish
novelising
novelism
novelist
novelist's
novelistic
novelistically
novelists
novelivelle
novelization
novelizations
novelize
novelized
novelizes
novelizing
novella
novellae
novitial
novitiate
novitiates
novitiateship
novitation
novitious
novity
novo
novobiocin
novocain
novocaine
novodamus
novum
novus
now
nowaday
nowadays
nowanights
noway
noways
nowch
nowder
nowed
nowel
nowhat
nowhen
nowhence
nowhere
nowhereness
nowheres
nowhit
nowhither
nowise
nowness
nows
nowt
nowthe
nowther
nowtherd
nowts
nowy
nox
noxa
noxal
noxally
noxial
noxious
noxiously
nubeculae
nubia
nubian
nubias
nubiferous
nubiform
nubigenous
nubilate
nubilation
nubile
nubilities
nubility
nubilose
nubilous
nubs
nucal
nucament
nucamentaceous
nucellar
nucelli
nucellus
nucha
nuchae
nuchal
nuchale
nuchalgia
nuchals
nuciculture
nuciferous
nuciform
nucin
nucivorous
nucleal
nucleant
nuclear
nuclear
nucleary
nuclease
nucleases
nucleate
nucleated
nucleates
nucleating
nucleation
nucleations
nucleator
nucleators
nucleclei
nuclei
nucleic
nucleiferous
nucleiform
nuclein
nucleinase
nucleins
nucleization
nucleize
nucleli
nucleoalbumin
nucleoalbuminuria
nucleocapsid
nucleofugal
nucleohistone
nucleohyaloplasm
nucleohyaloplasma
nucleoid
nucleoidioplasma
nucleolar
nucleolate
nucleolated
nucleole
nucleoles
nucleoli
nucleolini
nucleolinus
nucleolocentrosome
nucleoloid
nucleolus
nucleolysis
nucleomicrosome
nucleon
nucleone
nucleonic
nucleonics
nucleons
nucleopetal
nucleophile
nucleophilic
nucleophilically
nucleophilicity
nucleoplasm
nucleoplasmatic
nucleoplasmic
nucleoprotein
nucleosid
nucleosidase
nucleoside
nullification
nullificationist
nullifications
nullificator
nullifidian
nullifidianism
nullified
nullifier
nullifiers
nullifies
nullify
nullifying
nulling
nullipara
nulliparae
nulliparity
nulliparous
nullipennate
nulliplex
nullipore
nulliporous
nullism
nullisome
nullisomic
nullities
nullity
nulliverse
nullo
nullos
nulls
nullum
nullus
num
numac
numb
numbat
numbed
numbedness
number
numberable
numbered
numberer
numberers
numberful
numbering
numberings
numberless
numberlessness
numberous
numberplate
numbers
numbersome
numbest
numbfish
numbfishes
numbing
numbingly
numble
numbles
numbly
numbness
numbnesses
numbs
numbskull
numda
numdah
numen
numerable
numerableness
numerably
numeracy
numeral
numeral's
numerally
numerals
numerant
numerary
numerate
numerated
numerates
numerating
numeration
numerations
numerative
numerator
numerator's
numerators
numeric
numerical
numerically
numericalness
numerics
numerist
numero
numerical
numericalness
numerics
numerist
numero
numerological
numerologist
numerologists
numerology
numeros
numerose
numerosity
numerous
numerously
numerousness
numina
numine
numinism
numinous
numinouses
numinously
numinousness
numis
numismatic
numismatical
numismatically
numismatician
numisematics
numismatist
numismatists
numismatography
numismatologist
numismatology
nummary
nummi
nummiform
nummular
nummulary
nummulated
nummulation
nummuline
nummulite
nummulitic
nummulitoid
nummuloidal
nummus
numnah
nump
numps
numskull
numskulled
numskulledness
numskullery
numskullism
numskulls
nunnishness
nunquam
nunry
nuns
nunship
nunting
nuntius
nuphar
nupson
nuptial
nuptiality
nuptialize
nuptially
nuptials
nuque
nuragh
nuraghe
nuraghes
nuraghi
nurhag
nurl
nurled
nurling
nurls
nurly
nurry
nursable
nurse
nursed
nursedom
nursegirl
nursehound
nursekeeper
nursekin
nurselet
nurselike
nurseling
nursemaid
nursemaids
nurser
nurseries
nursers
nursery
nursery's
nurserydom
nurseryful
nurserymaid
nurserymaids
nurseryman
nurserymen
nurses
nursetender
nursing
nursingly
nursings
nurse
nursling
nurslings
nursy
nurturable
nurtural
nurturance
nurturant
nurture
nurtured
nurtureless
nurturer
nurturers
nurseries
nurserieship
nurturing
nus
nusfiah
nut
nut's
nutant
nutarian
nutate
nutated
nutates
nutating
mutation
mutational
mutations
nutbreaker
nutbrown
nutcake
nutcase
nutcrack
nutcracker
nutcrackers
nutcrackery
nutgall
nutgalls
nutgrass
nutgrasses
nuthatch
nuthatches
nuthook
nuthouse
nuthouses
nutjobber
nutlet
nutlets
nutlike
nutmeat
nutmeats
nutmeg
nutmegged
nutmeggy
nutmegas
nutpecker
nutpick
nutpicks
nutramin
nutria
nutrias
nutrice
nutricial
nutricism
nutriculture
nutrient
nutrients
nutrify
nutrilite
nutriment
nutrimental
nutriments
nutritional
nutrition
nutritional
nutritionally
nutritionary
nutritionist
nutritionists
nutritious
nutritiously
nutritiousness
nutritive
nutritively
nutritiveness
nutritory
nutriture
nuts
nutesedge
nutesedges
nutseed
nutshell
nutshells
nutsy
nuttalliasis
nuttalliosis
nuted
nutter
utters
nuttery
nuttier
nuttiest
nuttily
nuttiness
nuttering
nuttish
nuttishness
nutty
nutwood
nutwoods
nuzzer
nuzzerana
nuzzle
nuzzled
nuzzler
nuzzlers
nuzzles
nuzzling
nv
ny
nyala
nyalas
nyanza
nyas
nybble
nybbles
nybbleize
nychthemer
nychthemeral
nychthemeron
nyckelharpa
nyctaginaceous
nyctalgia
nyctalope
nyctalopia
nyctalopic
nymphly
nympho
nympholepsia
nympholepsies
nympholepsy
nympholept
nympholeptic
nymphomania
nymphomaniac
nymphomaniacal
nymphomaniacs
nymphon
nymphos
nymphosis
nymphotomy
nymphs
nymphwise
nymss
nymphomania
nystagmic
nystagmus
nystatin
nytril
nyxis
o
o'
o'clock
o'er
o'ertop
o's
o/c
o/s
oad
oadal
oaf
oafdom
oafish
oafishly
oafishness
oafs
oak
oakberry
oaken
oakenshaw
oakland
oaklet
oaklike
oakling
oakmoss
oakmosses
oaks
oaktongue
oakum
oakums
oakweb
oakwood
oaky
oam
oar
oar's
oarage
oarcock
oared
oarfish
oarfishes
oarhole
oarial
oarialgia
oaric
oaring
oariocele
oariopathic
oariopathy
oariotomy
oaritic
oaritis
oarium
oarless
oarlike
oarlock
oarlocks
oarlop
oarman
oarrowheaded
oars
oarsman
oarsmanship
oarsmen
oarswoman
oarswomen
oarweed
oary
oasal
oasean
oases
oasis
oasitic
oast
oasthouse
oasts
oat
oatbin
oatcake
oatcakes
oatear
oaten
oatenmeal
oater
oaters
oatfowl
oath
oathay
oathed
oathful
oathlet
oaths
oathworthy
oatland
oatlike
oatmeal
oatmeals
oats
oatseed
oaty
oaves
ob
oba
obadiah
obambulate
obambulation
obambulatory
oban
obarne
obarni
obb
obbligati
obbligato
obbligatos
obclavate
obclude
obcompressed
obconic
obconical
obcordate
obcordiform
obcuneate
obdeltoid
obdiplostemonous
obdiplostemony
obdormition
obdt
obduce
obduction
obduracies
obduracy
obdurate
obdurated
obdurately
obdurateness
obdurating
obduration
obdure
obe
obeah
obeahism
obeahisms
obeahs
obeche
obedience
obediences
obediency
obedient
obedential
obedientially
obedientialness
obedientiar
obedientiaries
obedientiary
obediently
obeisance
obeisances
obeisant
obeisantly
obeish
obeism
obeli
obelia
obeliac
obelian
obelias
obelion
obeliscal
obeliscar
obelise
obelised
obelises
obelising
obelisk
obelisked
obelisking
obeliskoid
obelisks
obelism
obelisms
obelize
obelized
obelizes
obelizing
obelus
oberon
obes
obese
obesely
obeseness
obesities
obesity
obex
obey
obeyable
obeyance
obeyed
obeyeo
obeyer
obeyers
obeying
obeyingly
obeys
obfirm
obfusicable
obfuscate
obfuscated
obfuscates
obfuscating
obfuscation
obfuscator
obfuscators
obfuscatory
obfuscity
obfuscous
obfusk
obi
obia
obias
obiism
obiisms
obiit
obis
obispo
obit
obital
obiter
obits
obitual
obituarian
obituaries
obituarily
obituarist
obituarize
obituary
obj
object
object's
objectable
objectant
objectation
objectative
objected
objectee
objecter
objecthood
objectification
objectified
objectify
objectifying
objecting
objection
objection's
objectionability
objectionable
objectionableness
objectionably
objectional
objectioner
objectionist
objections
objectival
objectivate
objectivated
objectivating
objectivation
objective
objectively
objectiveness
objectives
objectivism
objectivist
objectivistic
objectivity
objectivize
objectivized
objectivizing
objectivation
objectize
objectized
objectizing
objectless
objectlessly
objectlessness
objector
objector's
objectors
objects
objectification
objet
objicient
objranging
objscan
objuration
objure
objurgate
objurgated
objurgates
objurgating
objurgation
objurgations
objurgative
objurgatively
objurgator
objurgatorily
objurgatory
objurgatrix
obl
oblanceolate
oblast
oblasti
oblasts
oblat
oblata
oblate
oblated
oblately
oblateness
oblates
oblating
oblatio
oblation
oblational
oblationary
oblations
oblatory
obrelectate
obrelectation
oble
obli
oblicque
obligability
obligable
obligancy
obligant
obligate
obligated
obligately
obligates
obligati
obligating
obligation
obligation's
obligational
obligationary
obligations
obligative
obligativeness
obligato
obligator
obligatorily
obligatoriness
obligatory
obligatos
obligatum
oblige
obliged
obligedly
obligedness
obligee
oblocutor
oblong
oblongata
oblongatae
oblongatal
oblongatas
oblongated
oblongish
oblongitude
oblongitudinal
oblongly
oblongness
oblongs
obloquial
obloquies
obloquious
obloquy
obmit
obmutescence
obmutescent
obnebulate
obnounce
obnounced
obnouncing
obnoxiety
obnoxious
obnoxiously
obnoxiousness
obnubilate
obnubilation
obnunciation
oboe
oboes
oboist
oboists
obol
obolary
obole
oboies
obolet
oboli
obolos
obols
obolus
obomegoid
oboormition
obouracy
oboval
obscurity
obscrate
obsecrated
obsecrating
obsecration
obsecrationary
obsecratory
obsede
obsequence
obsequence
obsequent
obsequial
obsequence
obsequies
obsequious
obsequiously
obsequiousness
obsequity
obsequium
obsequy
observability
observable
observableness
observably
observance
observance's
observances
observancy
observanda
observandum
observant
observantine
observantly
observantness
observatin
observation
observation's
observational
observationalism
observationally
observations
observative
observator
observatorial
observatories
observatory
observe
obsoletion
obsoletism
obstacle
obstacle's
obstacles
obstancy
obstant
obstante
obstet
obstetric
obstetrical
obstetrically
obstetricate
obstetricated
obstetricating
obstetrication
obstetrician
obstetricians
obstetriccies
obstetrics
obstetricy
obstetrist
obstetrix
obstinacies
obstinaceous
obstacy
obstinence
obstinancy
obstinate
obstenate
obstination
obstinate
obstinativeness
obstination
obstinate
obstinative
obstipant
obstipate
obstipated
obstipation
obstreperate
obstreperosity
obstreperous
obstreperously
obstreperousness
obstriction
obstringe
obstruct
obstructant
obstructed
obstructedly
obstruer
obstrucers
obstructing
obstructingly
obstruction
obstruction’s
obstructionism
obstructionist
obstructionistic
obstructionists
obstructions
obstructive
obstructively
obstructiveness
obstructivism
obstructivity
obstructor
obstructors
obstructs
obstruent
obstruse
obstruxit
obstupefy
obtain
obtainability
obtainable
obtainableness
obtainably
obtainal
obtainance
obtained
obtainer
obtainers
obtaining
obtainment
obtains
obtect
obtected
obtemper
obtemperate
obtend
obtenebrate
obtenebration
obtention
obtest
obtestation
obtusish
obtusity
obumbrant
obumbrate
obumbrated
obumbrating
obumbration
obus
obv
obvallate
obvelation
obvention
obversant
obverse
obversely
obverses
obversion
obvert
obverted
obvertend
obverting
obverts
obviable
obviate
obviated
obviates
obviating
obviation
obviations
obviative
obviator
obviators
obvious
obviously
obviousness
obvolute
obvoluted
obvolution
obvolution
obvolutive
obvolve
obvolvent
oc
oca
ocarina
ocarinas
ocas
occamist
occamy
occas
occasion
occasionable
occasional
occasionalism
occasionalist
occasionalistic
occasionality
occasionally
occasionalness
occasionary
occasionate
occasioned
occasioner
occasioning
occasionings
occasionless
occasions
occasive
occident
occidental
occidentalism
occidentality
occidentalize
occidentally
occidentals
occidents
occiduous
occipiputs
occipita
occipital
occipitalis
occipitally
occipitoanterior
occipitoatlantal
occipitoatloid
occipitoaxial
occipitoaxoid
occipitobasilar
occipitobregmatic
occipitocalcarine
occipitocervical
occipitofacial
occipitofrontal
occipitofrontalis
occipitohyoid
occipitoiliac
occipitomastoid
oceanographer
oceanographers
oceanographic
oceanographical
oceanographically
oceanographist
oceanography
oceanologic
oceanological
oceanologically
oceanologist
oceanologists
oceanology
oceanophyte
oceanous
oceans
oceanside
oceanus
oceanward
oceanwards
oceanways
oceanwise
ocellana
ocellar
ocellary
ocellate
ocellated
ocellation
ocelli
ocellicyst
ocellicystic
ocelliferous
ocelliform
ocelligerous
ocellus
oceloid
ocelot
ocelots
och
ochava
ochavo
ocher
ochered
ochering
cherish
chererous
chers
ochery
ochidore
ochlesis
ochlesitic
ochletic
ochlocracy
ochlocrat
ochlocratic
ochlocratical
ochlocratically
ochlomania
ochlophobia
ochlophobist
ochnaceous
ochone
ochophobist
ochraceous
ochrea
ochre
ochreish
ochreous
ochres
ochring
ochro
ochrocarpous
ochrogaster
ochroid
ochroleucous
ochrolite
ochronosis
ochronosus
ochrnostic
ochrous
ochry
ocht
ochmy
ock
ocker
ockster
oclock
occonnell
occonnor
ocote
ocotillo
ocotillos
ocque
ocracy
ocrea
ocreaceous
ocreae
ocreate
ocreated
oct
octachloride
octachord
octachordal
octachronous
octacolic
octactinal
octactine
octactinian
octad
octadecahydrate
octadecane
octadecanoic
octadecyl
octadic
octadrachm
octadrachma
octads
octaechos
octaemera
octaemeron
octaeteric
octaeterid
octaeteris
octagon
octagonal
octagonally
octagons
octahedra
octahedral
octahedrally
octahedric
octahedralical
octahedrite
octahedroid
octahedron
octahedrons
octahedrous
octahydrate
octahydrated
octakishexahedron
octal
octamerism
octamerous
octameter
octan
octanaphthene
octandria
octandrian
octandrious
octane
octanes
octangle
octangles
octangular
octangularness
octanol
octant
octantal
octants
octapeptide
octapla
octaploid
octaploidic
octaploidy
octapodic
octapody
octarch
octarchies
octarchy
octarius
octaroon
octarticulate
octary
octasemantic
octastich
octastichon
octastichous
octastrophic
octastyle
octastylus
octateuch
octaval
octavalent
octavaria
octavarium
octavd
octave
octaves
octavic
octavina
octavo
octavos
octdra
octect
octects
octenary
octene
octennial
octennially
octet
octets
octette
octettes
octic
octile
octillion
octillions
octillionth
octine
octingentenary
octoado
octoalloy
octoate
octobass
october
october's
octobers
octobrachiate
octocentenary
octocentennial
octochord
octocorallan
octocoralline
octocotyloid
octodactyl
octodactyle
octodactylous
octode
octodecillion
octodecillions
octodecillionth
octodecimal
octodecimo
octodecimos
octodentate
octodianome
octodon
octodont
octoechos
octofid
octofoil
octofoiled
octogamy
octogenarian
octogenarianism
octogenarians
octogenaries
octogenary
octogild
octoglot
octogyinia
octogyynian
octogyynious
octogyynous
octohedral
octoic
octoid
octolateral
octolocular
octomeral
octomerous
octometer
octonal
octonare
octonarian
octonaries
octonarius
octonary
octonematous
octonion
octonocular
octoon
octopartite
octopean
octoped
octopede
octopetalous
octophthalmous
octophyllous
octopi
octopine
octoploid
octoploidic
octoploidy
ocularly
oculars
oculary
ocate
oculated
oculauditory
oculi
oculiferous
oculiform
oculigerous
oculinid
oculinoid
oculist
oculistic
oculists
oculli
oculocephalic
oculofacial
oculofrontal
oculomotor
oculomotory
oculonasal
oculopalpebral
oculopupillary
oculospinal
oculozygomatic
oculus
ocurred
ocydrome
ocydromine
ocypodan
ocypode
ocypodian
ocypodoid
ocye
od
oda
odacoid
odal
odalborn
odalisk
odalisks
odalisque
odaller
odalman
odalwoman
odd
oddball
oddballs
odder
oddest
oddfellow
oddish
oddities
oddy
oddy's
oddlegs
oddly
oddmann
oddment
oddments
oddness
oddnames
odds
oddsid
oddsman
ode
ode's
odea
odel
odelet
odell
odeon
odeons
odes
odessa
odeum
odible
odic
odically
odiferous
odin
odinism
odinite
odiometer
odious
odiously
odiousness
odist
odium
odiumproof
odiums
odlings
odograph
odographs
odology
odometer
odometers
odometrical
odometries
odometry
odonate
odonates
odonell
odontagra
odontalgia
odontalgic
odontatrophia
odontatrophy
odontexesis
odontiasis
odontic
odontist
odontitis
odontoblast
odontoblastic
odontocele
odontocete
odontocetous
odontochirurgic
odontoclasis
odontoclast
odontodynia
odontogen
odontogenesis
odontogenic
odontogeny
odontoglossal
odontoglossate
odontoglossum
odontognathic
odontognathous
odontograph
odontographic
odontography
odontohyperesthesia
odontoid
odontoids
odontolcate
odontolcus
odontolite
odontolith
odontological
odontologist
odontology
odontoloxia
odontoma
odontomous
odontonecrosis
odontoneuralgia
odontonosology
odontopathy
odontophobia
odontophoral
odontophoran
odontophore
odontophorine
odontophorous
odontoplast
odontoplerosis
odontorhynchous
odontornithic
odontorrhagia
odontorthosis
odontoschism
odontoscope
odontosis
odontostomatous
odontostomous
odontotechny
odontotherapia
odontotherapy
odontotomy
odontotripsy
odontotrypy
odoom
odophone
odor
odor’s
odorable
odorant
odorants
odorate
odorator
odored
odorful
odoriferant
odoriferosity
odoriferous
odoriferously
odoriferousness
odorific
odorimeter
odorimetry
odoriphor
odoriphore
odorivector
odorization
odorize
odorized
odorizer
odorizes
odorizing
odorless
odorlessly
odorlessness
odorimeter
odorosity
odorous
odorously
odorousness
odorproof
odors
odour
odoured
odourful
odourless
odours
ods
odso
odum
odwyer
odyl
odyle
odyles
odylic
odylism
odylist
odylization
odylize
odyls
odysseus
odyssey
odysseys
oe
oecci
oecest
oecodomic
oecodomical
oecoid
oecological
oecologies
oecology
oeconomic
oeconomus
oecoparasite
oecoparasitism
oecophobia
oecumenian
oecumenic
oecumenical
oecumenicalism
oecumenicity
oeus
oedema
oedemas
oedemata
oedematous
oedemerid
oedicnemine
oedipal
oedipally
oedipean
oedipus
oedipuses
oedogoniaceous
oeillade
oeillades
oeillet
oeist
oelet
oenanthaldehyde
oenanthate
oenanthic
oenanthol
oenanthole
oenanthyl
oenanthylate
oenanthyllic
oenin
oenochoae
oenochrome
oenocyte
oenocytic
oenolic
oenolin
oenological
oenologies
oenologist
oenology
oenomancy
oenomania
oenomel
oenomels
oenometer
oenone
oenophile
oenophiles
oenophilist
oenophobist
oenopoetic
oenotheraceous
oer
oerlikon
oersted
oersteds
oes
oesogi
oesophageal
oesophageal
oesophagean
oesophagi
oesophagism
oesophagismus
oesophagitis
oesophagostomiasis
oesophageus
oestradiol
oestrian
oestriasis
oestril
oestrin
oestrins
oestriol
oestriols
oestrogen
oestroid
oestrone
oestrones
oestrous
oestrual
oestruate
oestruation
oestrum
oestrum
oestrums
oestrus
officialize
officialized
officializing
officially
officials
officialty
officiant
officiants
officiary
officiate
officiated
officiates
officiating
officiation
officiator
officina
officinal
officinally
officio
officious
officiously
officiousness
offing
offings
offish
offishly
offishness
offlap
offlet
offlicence
offline
offload
offloaded
offloading
offloads
offlook
offpay
offprint
offprinted
offprinting
offprints
offspring
offs
offsaddle
offscape
offscour
offscourer
offscouring
offscourings
offscreen
offscum
offset
offset's
offsets
offsetting
offshoot
offshoots
offshore
offside
offsider
offspring
offsprings
offstage
oftake
offtrack
offtype
offuscate
offuscation
offward
offwards
oficina
oflete
oft
often
oftener
oftenest
oftenness
oftens
oftentime
oftentimes
ofter
oftest
ofthink
oftly
oftness
oftime
ofttimes
oftwhiles
og
ogaire
ogam
ogamic
ogams
ogdoad
ogdoads
ogdoas
ohio's
ohioan
ohioans
ohm
ohmage
ohmages
ohmic
ohmically
ohmmeter
ohmmeters
ohms
oho
ohone
ohoy
ohs
ohv
oicks
oidia
oidioid
oidiomycosis
oidiomycotic
oidium
oidwife
oie
oii
oik
oikology
oikomania
oikophobia
oikoplast
oiks
oil
oilberries
oilberry
oilbird
oilbirds
oilcake
oilcamp
oilcamps
oilcan
oilcans
oilcase
oilcloth
oilcloths
oilcoat
oilcup
oilcups
oildom
oiled
oiler
oilers
oilery
oilfield
oilfired
oilfish
oilfishes
oilheating
oilhole
oilholes
oilier
oiliest
oligarchy
oily
oiliness
oilinesses
oiling
oilish
oilless
oillessness
oillet
oillike
oilman
oilmen
oilmonger
oilmongery
oilometer
oilpaper
oilpapers
oilproof
oilproofing
oils
oilseed
oilseeds
oilskin
oilskinned
oilskins
oilstock
oilstone
oilstoned
oilstones
oilstoning
oilstove
oiltight
oiltightness
oilway
oilways
okeydokey
oki
okia
okie
okimono
okinawa
oklahoma
oklahoman
oklahomans
okolehao
okoniosis
okonite
okoume
okra
okras
okroog
okrug
okruzi
okshoofd
okta
oktastylos
okthabah
okupukupu
ol
ola
olacaceous
olacad
olam
olamic
old
olden
oldened
oldening
older
oldermost
olders
oldest
oldfangled
oldfangledness
oldhamite
oldhearted
oldie
oldies
oldish
oldland
oldness
oldnesses
olds
oldsmobile
oldster
oldsters
oldstyle
oldstyles
oldwrench
oldwife
oldwives
oldy
ole
olea
oleaceous
oleaginous
oleaginously
oleaginousness
oleana
oleander
oleanders
oleandomycin
oleandrin
oleandrine
oleary
olease
oleaster
oleasters
oleate
oleates
olecranial
olecranal
olecranarthritis
olecranial
olecranian
olecranoid
olecranon
olefiant
olefin
olefine
olefines
olefinic
olefins
oleic
oleiferous
olein
oleine
oleines
oleins
olen
olen
olenellidian
olenid
olenidian
olent
oleo
oleocalcareous
oleocellosis
oleocyst
oleoduct
oleograph
oleographer
oleographic
oleography
oleomargaric
oleomargarin
oleomargarine
oleometer
oleoptene
oleorefractometer
oleoresin
oleoresinous
oleoresins
oleos
oleosaccharum
oleose
oleosity
oleostearate
oleostearin
oleostearine
oleothorax
oleous
oleoyl
olepy
oleraceous
olericultural
olericulturally
olericulture
olericulturist
oleron
oles
olethreutid
oleum
oleums
olfact
olfactable
olfactible
olfaction
olfactive
olfactology
oligocystic
oligocythemia
oligocythemic
oligodactylia
oligodendroglia
oligodendroglioma
oligodipsia
oligodontous
oligodynamic
oligogalactia
oligohemia
oligohydramnios
oligolactia
oligomenorrhea
oligomer
oligomeric
oligomerization
oligomerous
oligomers
oligomery
oligometochia
oligometochic
oligomycin
oligomyodian
oligomyoid
oligonephric
oligonephrous
oligonite
oligonucleotide
oligopepsia
oligopetalous
oligophagous
oligophagy
oligosphaturia
oligophrenia
oligophrenic
oligophyllous
oligoplasma
oligopnea
oligopolist
oligopolistic
oligopoly
oligoprothesis
oligoprothetic
oligopsonistic
oligopsony
oligopsychia
oligopyrene
oligorhizous
oligosaccharide
oligosepalous
oligosialia
oligosideric
oligosiderite
oligosite
oligospermia
oligospermous
oligostemonous
oligosyllabic
oligosyllable
oligosynthetic
oligotokeus
oligotokous
oligotrichia
oligotrophic
oligotrophy
oligotropic
oliguresia
oliguresis
oliguretic
oliguria
oliniaceous
olio
olios
oliphant
oliprance
olitory
oliva
olivaceous
olivary
olivaster
olive
olive's
olived
oliveness
olivenite
oliver
oliverian
oliverman
olivermen
oliversmith
olives
olivescent
olivesheen
olivet
olivetan
olivette
olivewood
olivia
oliviferous
oliviform
olivil
olivile
olivilin
olivine
olivinefels
olivines
olivinic
olivinite
olivinitic
olla
ollamh
ollapod
ollas
ollav
ollenite
ollock
olluck
olm
ological
ologies
ologist
ologistic
ologists
olograph
olographic
ology
ololiuqui
olomao
olona
oloroso
olp
olpae
olpe
olpes
oltonde
oltunna
olycook
olykoek
olympia
olympiad
olympiads
olympian
olympians
olympic
olympics
olympus
om
omadhaun
omagra
omaha
omahas
omalgia
omander
omao
omarthritis
omasa
omasitis
omasum
omber
ombres
ombre
ombrellino
ombrellinos
ombres
ombrette
ombrifuge
ombrograph
ombrographic
ombrological
ombrology
ombrometer
ombrometric
ombrophil
ombrophile
ombrophilic
ombrophilous
ombrophily
ombrophobe
ombrophobous
ombrophoby
ombrophyte
ombudsman
ombudsmen
ombudsperson
omega
omegas
omegoid
omelet
omelets
omelette
omelettes
omniformal
omniformity
omnify
omnifying
omnigenous
omnigerent
omnigraph
omnihuman
omnihumanity
omnilegent
omnilingual
omniloquent
omnilucent
omnimental
omnimeter
omnimode
omnimodous
omninessence
omniscient
omniparent
omniparient
omniparity
omniparous
omnipatient
omnipercipience
omnipercipiency
omnipercipient
omnipervent
omnipotence
omnipotency
omnipotent
omnipotentiality
omnipotently
omnipregnant
omnipresent
omnipresently
omniprevalence
omniprevalent
omniproduction
omniprudence
omniprudent
omnirange
omniregency
omniregent
omnirepresentative
omnirepresentativeness
omnirevealing
omniscience
omniscency
omniscient
omnisciently
omniscopine
omniscopine
omniscirpentine
omniscr iptive
omnisentience
omnisentient
omnisignificance
omnisignificant
omnispective
omnist
omnisufficiency
omnisufficient
omnitemporal
omnitenent
omnitorleanant
omnitoral
omnitalonality
omnitude
omnium
omnivagant
omnivalence
omnalvalent
omnivalous
omnivarious
omnividence
omnivident
omnivision
omnivolent
omnivora
omnivorous
omnivorous
omnivorousness
omodynia
omohyoid
omoideum
omophagia
omophagic
omophagies
omophagist
omophagous
omophagy
omphoria
omophorion
omoplate
omoplatoscopy
omostegite
omosternal
omosternum
omphacine
omphacite
omphacy
omphalectomy
omphali
omphalic
omphalism
omphalitis
omphalocele
omphalode
omphalodia
omphalodium
omphalogenous
omphaloid
omphaloma
omphalomesaraic
omphalomesenteric
omphaloncus
omphalopagus
omphalophlebitis
omphalopsychic
omphalopsychite
omphalorrhagia
omphalorrhea
omphalorrhesis
omphalos
omphalosite
omphaloskepsis
omphalospinous
omphalotomy
omphalotripsy
omphalus
omrah
oms
on
ona
onager
onagers
onomatopoieses
onomatopoiesis
onomatopy
onomatous
onomomancy
onondaga
onondagas
ontogenic
onrush
onrushes
onrushing
ons
onset
onset's
onsets
onsetter
onsetting
onshore
onside
onsight
onslaught
onslaughts
onstage
onstand
onstanding
onstead
onsweep
onsweeping
ont
ontal
ontario
ontic
ontically
onto
ontocycle
ontocyclic
ontogenal
ontogeneses
ontogenesis
ontogenetic
ontogenetical
ontogenetically
ontogenic
ontogenically
ontogenies
ontogenist
ontogeny
ontography
ontologic
ontological
ontologically
ontologies
ontologise
ontologised
ontologising
ontologism
ontologist
ontologic
ontologize
ontology
ontosophy
onus
onuses
onwaiting
onward
onwardly
onwardness
onwards
ony
onycha
onychatrophia
onychauxis
onychia
onychin
onychite
onychitis
onychium
onychogryposis
onychoid
onycholyisis
onychomalacia
onychomancy
onychomycosis
onychonosus
onychopathic
onychopathology
onychopathy
onychophagia
onychophagist
onychophagy
onychophoran
onychophorous
onychophyoma
onychoptosis
onychorrhesis
onychoschizia
onychosis
onychotrophy
onym
onymal
onymancy
onymatic
onymity
onymize
onymous
onymy
onyx
onyxes
onyxis
onyxitis
onza
ooangium
oobit
ooblast
ooblastic
oocytes
oocyst
oocystaceous
oocystic
oocytes
oof
oofbird
oofier
oofiest
oofless
oofish
oofy
oogamete
oogametes
oogamies
oogamous
oogamy
oogenesis
oogenetic
oogenies
oogeny
ooglea
oogloea
oogone
oogonia
oogonial
oogoninia
oogoniophore
oogonium
oogoniums
oograph
ooh
oohed
oohing
oohs
ooid
ooidal
ookinesis
ookinete
ookinetic
oolachan
oolachans
oolak
oolakan
oolemma
oolite
oolites
oolith
ooliths
oolitic
oollies
olly
oologic
oological
oologically
oologies
oologist
oologists
oologize
oology
oolong
oolongs
oomancy
oomantia
oometer
oometric
oometry
oomiac
oomiack
oomiacks
oomiacs
oomiak
oomiaks
oompah
oomph
oomphs
oomycete
oomycetes
oomycetous
oons
oont
oooo
oopack
oopak
ophoralgia
ophorauxe
ophore
ophorectomies
ophorectomize
ophorectomized
ophorectomizing
ophorectomy
ophoreocele
ophorhysterectomy
ophoric
ophoridia
ophoridium
ophoridiums
ophoritis
ophorocele
ophorocystectomy
ophoroepilepsy
ophoroma
ophoromalacia
ophoromania
ophoron
ophoropexy
ophororrhaphy
ophorosalpingectomy
ophorostomy
ophorotomy
ophyte
ophytes
ophytic
oplasma
oplasmic
ooplast
oopod
ooziness
oozinesses
oozing
oozoa
oozoid
oozoid
oozy
op
opa
opacate
opacification
opacified
opacifier
opacies
opacify
opacifying
opacimeter
opacite
opacities
opacity
opacous
opacousness
opacus
opah
opahs
opai
opaion
opal
opal's
opaled
opalesce
opalesced
opalescence
opalescent
opalesces
opalescing
opalesque
opaleyeye
opaline
opalines
opalinid
opalinine
opalish
opalize
opalized
opalizing
opaloid
opalotype
opals
opaque
opaqued
opaquely
opaqueness
opaquer
opques
opaquest
opaquing
opcode
opdalite
ope
opced
oped
opedeldoc
opeidoscope
opelet
opelu
open
openability
openable
openairish
openairness
openband
openbeak
openbill
opencast
openchain
opencircuit
opened
openenedness
opener
openers
openest
openhanded
openhandedly
openhandedness
openhead
openhearted
openheartedly
openheartedness
opening
opening's
openings
openly
openmouthed
openmouthedly
operationist
operations
operative
operatively
operativeness
operatives
operativity
operatize
operator
operator's
operators
operatory
operatrices
operatrix
opercele
operceles
opercle
operced
opercula
opercular
operculate
operculated
opercule
opercules
operculiferous
operculiform
operculigenous
operculigerous
operculum
operculums
operetta
operettas
operette
operettist
operla
operon
operons
operose
operosexly
operoseness
operosity
opes
ophelia
ophelimity
ophiasis
ophic
ophicalcite
ophicephaloid
ophiuran
ophiurid
ophiuroid
ophiuroidean
ophresiophobia
ophryon
ophthalaiater
ophthalitis
ophthalm
ophthalmagra
ophthalmalgia
ophthalmalgic
ophthalmatrophia
ophthalmectomy
ophthalmencephalon
ophthalmetical
ophthalmia
ophthalmiac
ophthalmiater
ophthalmiatrics
ophthalmonic
ophthalmious
ophthalmist
ophthalmite
ophthalmitic
ophthalmitis
ophthalmoblenorrhea
ophthalmocarcinoma
ophthalmocele
ophthalmocopia
ophthalmodiagnosis
ophthalmodiastimeter
ophthalmodynamometer
ophthalmodynia
ophthalmography
ophthalmol
ophthalmolmoeuscoscope
ophthalmolmolith
ophthalmologic
ophthalmological
ophthalmologically
ophthalmologies
ophthalmologist
ophthalmologists
ophthalmology
ophthalmomalacia
ophthalmometer
ophthalmometric
ophthalmometrical
ophthalmometry
ophthalmomycosis
ophthalmomyositis
ophthalmomyotomy
ophthalmoneuritis
ophthalmopathy
ophthalmophilebotomy
ophthalmophore
ophthalmophorous
ophthalmophthisis
ophthalmoplasty
ophthalmoplegia
ophthalmoplegic
ophthalmopod
ophthalmoptosis
ophthalmorrhagia
ophthalmorrhea
ophthalmorrhexis
ophthalmoscope
ophthalmoscopes
ophthalmoscopic
ophthalmoscopical
ophthalmoscopies
ophthalmoscopist
ophthalmoscopy
ophthalmostasis
ophthalmostat
ophthalmostatometer
ophthalmothermometer
ophthalmotomy
ophthalmotonometer
ophthalmotonometry
ophthalmotrope
ophthalmotropometer
ophthalmy
opiane
opianic
opianyl
opiate
opiated
opiateproof
opiates
opiatic
opiating
opiex
opifice
opificer
opinedness
opinionist
opinions
opiomania
opiomanic
opiophagism
opiophagy
opiparous
opisometer
opisthenar
opisthion
opisthobranch
opisthobranchiate
opisthocoeian
opisthocoealous
opisthocomes
opisthocome
opisthocomine
opisthocomous
opisthodetic
opisthodome
opisthodomes
opisthodomos
opisthodomuses
opisthodomus
opisthodont
opisthogastric
opisthoglossal
opisthoglossate
opisthoglyph
opisthoglyphic
opisthoglyphous
opisthognathism
opisthognathous
opisthograph
opisthographal
opisthographic
opisthographical
opisthography
opisthogyrate
opisthogyrous
opisthoparian
opisthophagic
opisthoporeia
opisthorchiasis
opisthosomal
opisthotic
opisthotonic
opisthotonoid
opisthotonos
opisthotonus
opium
opiumism
opiumisms
opiums
opobalsam
opobalsamum
opodeldoc
opodidymus
opodymus
opopanax
opoponax
oporo
opossum
opossums
opotherapy
opp
oppida
oppidan
oppidans
oppidum
oppignerate
oppignorate
oppilant
oppilate
oppilated
oppilates
oppilating
oppilation
oppilative
opplete
oppletion
oppone
opponency
opponens
opponent
opponent's
opponents
opportune
opportuneless
opportunely
opportuneness
opportunism
opportunist
opportunistic
opportunistically
opportunists
opportunities
opportunity
opportunity's
opposabilities
opposability
opposable
opposal
oppose
opposed
opposeless
opposer
opposers
opposes
opposing
opposingly
oposit
opposite
oppositely
oppositeness
opposites
oppositiflorous
oppositifolious
opposition
oppositional
oppositionary
oppositionism
oppositionist
oppositionists
oppositionless
oppositions
oppositious
oppositipetalous
oppositipinnate
oppositipolar
oppositiselalous
opposite
oppositively
oppositiveness
oppossum
opposure
oppress
oppressed
oppresses
oppressible
oppressing
oppression
oppressionist
oppressive
oppressively
optive
optoacoustic
optoblast
optoelectronic
optogram
optography
optoisolate
optokinetic
optological
optologist
optology
optomeninx
optometer
optometric
optometrical
optometries
optometrist
optometrists
optometry
optophone
optotechnics
optotype
opts
opulence
opulences
opulencies
opulency
opulent
opulently
opus
opuntia
opuntias
opuntioid
opus
opuscule
opuscula
opuscular
opuscule
opuscules
opusculum
opuses
oquassa
oquassas
or
or’s
ora
orabassu
orach
orangeness
oranger
orangeries
orangeroot
orangery
oranges
orangewoman
orangewood
orangey
orangier
orangiest
oranginess
orangish
orangism
orangist
orangite
orangize
orangoutan
orangoutang
orangs
orangutan
orangutang
orangutans
orangy
orans
orant
orante
orantes
oraria
orarian
orarion
orarium
orary
oras
orate
orated
orates
orating
oration
oration's
orational
orationer
orations
orator
orator's
oratorial
oratorially
oratorian
oratoric
oratorical
oratorically
oratories
oratorio
oratorios
oratorium
oratorize
oratorlike
orators
oratorship
oratory
oratory's
oratress
oratresses
oratrices
oratrix
orb
orbate
orbation
orbed
orbell
orbic
orbical
orbicle
orbicular
orbiculares
orbicularis
orbicularity
orbiculary
orbicularness
orbiculate
orbiculated
orbiculately
orbiculation
orbiculatocordate
orbiculatoelliptical
orbific
orbing
orbit
orbital
orbitale
orbitally
orbitals
orbitar
orbitary
orbite
orbited
orchel
orchella
orchen
orchesis
orchesography
orchester
orchestian
orchestic
orchestiid
orchestra
orchestra's
orchestral
orchestraless
orchestrally
orchestras
orchestrate
orchestrated
orchestrater
orchestrates
orchestrating
orchestration
orchestratonal
orchestraions
orchestrator
orchestrators
orchestre
orchestrelle
orhestric
orhestrina
orhestrion
orchialgia
orchic
orchichorea
orchid
orchid's
orchidacean
orchidaceous
orchidalgia
orchidean
orchidectomies
orchidectomy
orchideous
orchideously
orchidist
orchiditis
orchidocele
orchidocelioplasty
orchidologist
orchidology
orchidomania
orchidopexy
orchidoplasty
orchidoptosis
orchidorrhaphy
orchidotherapy
orchidotomies
orchidotomy
orchids
orchiectomies
orchiectomy
orchienecephaloma
orchiepididymitis
orchil
orchilla
orchiils
orchiilytic
orchiocatabasis
orchiocele
orchiodynia
orchiomyeloma
orchiomus
orchieneuralgia
orchiopexy
orchioplasty
orchiorrhaphy
orchiostoecele
orchiostoeirrus
orchiostomy
orhis
orchiises
orchtic
orichtis
orichtises
orchiotomies
orchiotomy
orcin
orcine
orcinol
orcinols
orcins
orcs
ord
ordain
ordainable
ordained
ordainer

Open Source Used In CSPC_Collector 2.9.1 13886
ordainers
ordaining
ordination
ordains
ordalian
ordalium
ordanchite
ordeal
ordeals
ordene
order
orderable
ordered
orderedness
orderer
orderers
ordering
orderings
orderless
orderlessness
orderlies
orderliness
orderly
orders
ordinability
ordinable
ordinaire
ordinal
ordinally
ordinals
ordinance
ordinance's
ordinances
ordinand
ordinands
ordinant
ordinar
ordinariate
ordinarier
ordinaries
ordinariest
ordinarily
ordinariness
ordinarius
ordinary
ordinaryship
ordinate
ordinated
ordinately
ordinates
ordinating
ordination
ordinations
ordinative
ordinatomaculate
ordinator
ordinee
ordines
ordn
ornance
ordnances
ordo
ordonnance
ordonnances
ordonnant
ordos
ordosite
ordovician
ordu
ordure
ordures
ordurous
ordurousness
ore
ore's
oread
oreads
orecchion
orechtic
orective
ored
oregano
oreganos
oregon
oregoni
oregonian
oregonians
oreide
oreides
oreilet
oreillette
orejon
orellin
oreman
organoarsenic
organobismuth
organoboron
organochlorine
organochordium
organogel
organogen
organogenesis
organogenetic
organogenetically
organogeneric
organogenist
organogeny
organogold
organographic
organographical
organographies
organographist
organography
organoid
organoiron
organolead
organoleptic
organoleptically
organolithium
organologic
organological
organologist
organology
organomagnesium
organomercarial
organomercury
organometallic
organon
organonomic
organonomy
organons
organonym
organonymal
organonymic
organonymy
organonyn
organopathy
organophil
organophile
organophilic
organophone
organophostic
orgueil
orguil
orguinette
orgulous
orgulously
orgy
orgy's
orgyia
orhamwood
orians
oribatid
oribatids
oribi
oribis
orichalc
orichalceous
orichalch
orichalcum
oriconic
oricycle
oriel
oriel's
oriency
orient
oriental
orientalism
orientalist
orientality
orientalization
orientalize
orientalized
orientalizing
orientally
orientals
orientate
orientated
orientates
orientating
orientation
orientation's
orientational
orientationally
orientations
orientative
orientator
oriented
orienteeering
orienteer
origines
originist
origins
original
orihon
orihyperbola
orillion
orillon
orinasal
orinasality
orinasally
orinasals
oriole
orioles
orion
orismologic
orismological
orismology
orison
orisons
orisphere
oristic
oriya
orkey
orl
orlage
orle
orlean
orleanist
orleans
orles
orlet
orleways
orlewise
orlo
orlon
orlop
orlops
orlos
orly
ormer
ormers
ormolu
ormolus
ormuzine
orna
ornament
ornamental
ornithogeographical
ornithography
ornithoid
ornithol
ornitholite
ornitholitic
ornithologic
ornithological
ornithologically
ornithologist
ornithologists
ornithology
ornithomancy
ornithomania
ornithomantia
ornithomantic
ornithomantist
ornithomimid
ornithomorph
ornithomorphic
ornithomyzous
ornithon
ornithophile
ornithophilist
ornithophilite
ornithophilous
ornithophily
ornithophobia
ornithopod
ornithopter
ornithorhynchous
ornithorhynchus
ornithosaur
ornithosaurian
ornithosecelidan
ornithoscopic
ornithoscopist
ornithoscopy
ornithoses
ornithosis
ornithotic
ornithotomical
ornithotomist
ornithotomy
ornithotrophy
ornithuric
ornithurous
ornithvrous
ornoite
oroanal
orobanchaceous
orobancheous
orobathymetric
orocentral
orocratic
orodiagnosis
orogen
orogenesis
orogenesy
orogenetic
orogenic
orogenies
orogeny
orog graphical
orograph
orographic
orographical
orographically
orography
oroheliograph
orohippus
orohydrographic
orohydrographical
orohydrography
oroid
oroides
orolingual
orological
orologies
orologist
orology
orometer
orometers
orometric
orometry
oronasal
oronasally
oronoco
oronoko
oronooko
oropharyngeal
oropharynges
oropharynx
oropharynxes
orotherapy
orotund
orthoceras
orthoceratite
orthoceratitic
orthoceratoid
orthochlorite
orthochromatic
orthochromatize
orthoclase
orthoclasisite
orthoclasic
orthocoumaric
orthocresol
orthocym
orthocymene
orthodiaene
orthodiagonal
orthodiagram
orthodiagraph
orthodiagraphic
orthodiagraphy
orthodiazin
orthodiazone
orthodolichocephalic
orthodomatic
orthodome
orthodontia
orthodontic
orthodontics
orthodontist
orthodontists
orthodox
orthodoxal
orthodoxality
orthodoxally
orthodoxes
orthodoxian
orthodoxical
orthodoxically
orthodoxicalness
orthodoxies
orthodoxism
orthodoxist
orthodoxly
orthodoxness
orthodoxy
orthodromic
orthodromics
orthodromy
orthoepic
orthoepical
orthoepically
orthoepies
orthoepist
orthoepistic
orthoepists
orthoepy
orthoformic
orthogamous
orthogamy
orthogonal
orthogenesis
orthogenetic
orthogenetically
orthogenic
orthognathic
orthognathism
orthognathous
orthognathus
orthognathy
orthogneiss
orthogonal
orthogonality
orthogonalization
orthogonalize
orthogonalized
orthogonalizing
orthogonally
orthogonial
orthograde
orthogranite
orthograph
orthographer
orthographic
orthographical
orthographically
orthographies
orthographise
orthographised
orthographising
orthographist
orthographize
orthographized
orthographizing
orthography
orthohydrogen
orthologer
orthologian
orthological
orthology
orthometopic
orthometric
orthometry
orthomolecular
orthomorphic
orthonitroaniline
orthonormal
orthonormality
orthopaedia
orthopaedic
orthopaedically
orthopaedics
orthopaedist
orthopaedy
orthopath
orthopathic
orthopathically
orthopath
orthopedia
orthopedic
orthopedical
orthopedically
orthopedics
orthopedist
orthopedists
orthopedy
orthophenylene
orthophonic
orthophony
orthophoria
orthophoric
orthophosphate
orthophosphoric
orthophyre
orthophyric
orthopinacoid
orthopinacoidal
orthoplastic
orthoplastic
orthoplastic
orthoplumbate
orthopnea
orthopneic
orthopnoea
orthopnoeic
orthopod
orthopraxia
orthopraxis
orthopraxy
orthoprism
orthopsychiatric
orthopsychiatrical
orthopsychiatrist
orthopsychiatry
orthopter
orthoptera
orthopteral
orthopteran
orthopterist
orthopteroid
orthopterological
orthopterologist
orthopterology
orthopteron
orthopterous
orthoptetera
orthoptic
orthoptics
orthopyramid
orthopyroxene
orthoquinone
orthorhombic
orthorrhaphous
orthorrhaphy
orthoscope
orthoscopic
orthose
orthoselection
orthosemidin
orthosemidine
orthosilicate
orthosilicic
orthosis
orthosite
orthosomatic
orthosperymous
orthostat
orthostatai
orthostates
orthostati
orthostatic
orthostichies
orthostichous
orthostichy
orthostyle
orthosubstituted
orthosymmetric
orthosymmetrical
orthosymmetrically
orthosymmetry
orthotactic
orthotectic
orthotic
orthotics
orthotist
orthotolidin
orthotolidine
orthotoluic
orthotoluidin
orthotoluidine
orthotomic
orthotomous
orthotone
orthotonesis
orthotonic
orthotonus
orthotropical
orthotropic
orthotropically
orthotropism
orthotropous
orthotropy
orthotype
orthotypous
orthovanadate
orthovanadic
orthoveratraldehyde
orthoveratic
orthoxazin
orthoxazine
orthoxylene
orthron
orthros
ortiga
ortive
ortman
ortolan
ortolans
orts
ortstaler
ortstein
ortygan
ortygine
orvet
orvietan
orvietite
orvieto
orwell
orwellian
ory
orycterope
oryctics
oryctognostic
oryctognostical
oryctognostically
oryctognosy
oryctologic
oryctologist
oryctology
oryssid
oryx
oryxes
oryzanin
oryzanine
oryzenin
oryzivorous
os
osage
osages
osaka
osamin
osamine
osar
osazone
oscan
oscar
oscars
oscella
oscheal
oscheitis
oscheocarcinoma
oscheocele
oscheolith
oscheoma
oscheoncus
oscheoplasty
oscillance
oscillancy
oscillant
oscillariaceous
oscillate
oscillated
oscillates
oscillating
oscillation
oscillation's
oscillational
oscillations
oscillative
oscillatively
oscillator
oscillator's
oscillatoria
oscillatoriaceous
oscillatorian
oscillators
oscillatory
oscillogram
oscillograph
oscillographic
oscillographically
oscillographies
oscillography
oscillometer
oscillometric
oscillometers
oscillometry
oscilloscope
oscilloscope's
oscilloscopes
oscilloscopic
oscilloscopically
oscin
oscin
oscines
oscinian
oscinine
oscitance
oscitancies
oscitancy
oscitant
oscitantly
oscitate
oscitation
oscnodes
oscula
osculable
osculant
oscular
oscularity
osculate
osculated
osculates
osculating
osculation
osculations
osculatories
osculatory
osculatrix
osculatrixes
oscule
oscules
osculiferous
osculum
oscurantist
oscurrantist
ose
osela
osella
oselle
oses
oshac
oshea
osi
osiandrian
oside
osier
osiered
osieries
osierlike
osiers
osiery
osirian
osiris
oslo
osmanli
osmate
osmateria
osmaterium
osmatic
osmatism
osmazomatic
osmazomatous
osmazome
osmesis
osmeteria
osmeterium
osmetic
osmiamic
osmic
osmics
osmidrosis
osnin
osmina
osmious
osmiridium
osmite
osmium
osmiums
osmodyshoria
osmogene
osmograph
osmol
osmolagnia
osmolal
osmolality
osmolar
osmolarity
osmology
osmols
osmometer
osmometric
osmometrically
osmometry
osmond
osmondite
osmophobia
osmophore
osmoregulation
osmoregulatory
osmoscope
osmose
osmosed
osmoses
osmosing
osmosis
osmotactic
osmotaxis
osmotherapy
osmotic
osmotically
osmous
osmund
osmunda
osmundaceous
osmundas
osmundine
osmunds
osnaburg
osnaburgs
osoberries
osoberry
osone
osophies
osophone
osophy
osotriazine
osotriazole
osperm
osphere
osphradia
osphradial
osphradium
osphresiolagnia
osphresiologic
osphresiologist
osphresiology
osphresiometer
osphresiometry
osphresiophilia
osphresis
osphretic
osphyalgia
osphyalgic
osphyarthritis
osphyitis
osphyocele
osphyomelitis
ospore
osprey
ospreys
ossa
ossal
ossarium
ossature
osse
ossea
ossein
osseins
osselet
ossements
osseoalbuminoid
osseoponeurotic
osseocartilaginous
osseofibrous
osseomucoid
osseous
osseously
osset
osseter
ossetic
ossia
ossianic
ossicle
ossicles
ossicula
ossicular
ossiculate
ossiculated
ossicule
ossiculectomy
ossiculotomy
ossiculum
ossiferous
ossific
ossification
ossifications
ossificatory
ossified
ossifier
ossifiers
ossifies
ossifluence
ossifluent
ossiform
ossifrage
ossifragent
ossify
ossifying
ossivorous
ossuaries
ossuarium
ossuary
ossypite
ostalgia
ostariophysan
ostariophysial
ostariophysous
ostarthritis
osteal
ostealgia
osteaneabrosis
osteaneanogenesis
ostearthritis
ostearthrotomy
ostectomies
ostectomy
osteeectomies
osteeectomy
osteeectopia
osteeectopy
ostein
osteicitc
osteitides
osteitis
ostemia
ostempyesis
ostend
ostensibilities
ostensibility
ostensible
ostensibly
ostension
ostensive
ostensively
ostensoria
ostensorsies
ostensorium
ostensorsoria
ostensory
ostent
ostentate
ostentation
ostentatious
ostentatiously
ostentatiousness
ostentive
ostentous
osteoaneurysm
osteoaarthritic
osteoaarthritis
osteoaarthropathy
osteoaarthrotomy
osteoblast
osteoblastic
osteoblastoma
osteocachetic
osteocarcinoma
osteocartilaginous
osteoele
osteoecephaloma
osteochondritis
osteochondrofibroma
osteochondroma
osteochondromatous
osteochondropathy
osteochondrophyte
osteochondrosarcoma
osteochondrous
osteoclasia
osteoclasis
osteoclast
osteoclastic
osteoclasty
osteocolla
osteocomma
osteocranium
osteocystoma
osteocyte
osteodentin
osteodentinal
osteodentine
osteoderm
osteodermal
osteodermatous
osteoderma
osteodermis
osteodermous
osteodiatasis
osteodynia
osteodystrophy
osteogeneousal
osteoencephaloma
osteoenchondroma
osteoeopiphysis
osteofibroma
osteofibrous
osteogangrene
osteogen
osteogenesis
osteogenetic
osteogenic
osteogenist
osteogenous
osteogeny
osteoglossid
osteoglossoid
osteographer
osteography
osteohalisteresis
osteoid
osteoids
osteolite
osteologer
osteologic
osteological
osteologically
osteologies
osteologist
osteology
osteolysis
osteolytic
osteoma
osteomalacia
osteomalacial
osteomalacic
osteomancy
osteomancy
osteomas
osteomata
osteomatoid
osteome
osteomere
osteometric
osteometrical
osteometry
osteomyelitis
osteoncus
osteonecrosis
osteoneuralgia
osteopaedion
osteopath
osteopathic
osteopathically
osteopathies
osteopathist
osteopaths
osteopathy
osteopedion
osteoperiosteal
osteoperiostitis
osteopetrosis
osteophage
osteophagia
osteophlebitis
osteophone
osteophony
osteophore
osteophyma
osteophyte
osteophytic
osteoplaque
osteoplast
osteoplastic
osteoplasties
osteoplasty
osteoporosis
osteoporotic
osteorrhaphy
osteosarcoma
osteosarcomatous
osteoscleroses
osteosclerosis
osteosclerotic
osteoscope
osteosis
osteosteatoma
osteostixis
osteostomatous
osteostomous
osteostracan
osteosuture
osteosynovitis
osteosynthesis
osteothrombosis
osteotome
osteotomies
osteotomist
osteotomy
osteotribe
osteotrite
osteotrophic
osteotrophy
osteria
ostia
ostial
ostiaries
ostiarius
ostiary
ostiate
ostinato
ostinatos
ostiolar
ostiolate
ostiole
ostioles
ostitis
ostium
ostler
ostleress
osterie
ostlers
ostmark
ostmarks
ostmen
ostomatid
ostomies
ostomy
ostoses
ostosis
ostosises
ostraca
ostracean
ostraceous
ostracine
ostracioid
ostacion
ostracise
ostracism
ostracite
ostracizable
ostracization
ostracize
ostracized
ostracizer
ostracizes
ostracizing
ostracod
ostracodan
ostracode
ostracoderm
ostracodous
ostracods
ostracoid
ostracon
ostracophore
ostracophorous
ostracum
ostraite
ostrca
ostreaceous
ostreger
ostreicultural
ostreiculture
ostreiculturist
ostreiform
ostreodynamometer
ostreoid
ostreophage
ostreophagist
ostreophagous
ostrich
ostrich's
ostriches
ostrichlike
ostringer
ostrogoh
ostsis
ostsises
osullivan
oswego
ot
otacoustic
otacousticcon
otacust
otalgia
otalgias
otalgic
otalgies
otalg
otarian
otaries
otariine
otarine
otarioid
otary
otate
otc
otectomy
otelcosis
othematoma
othelcosis
othello
othematoma
othematomata
othemorrhea
othemoscope
other
otherdom
otitis
otium
otkon
otolantritis
otoblenorrhea
otocariasis
otoccephalic
otoccephaly
otocerebritis
otocleisis
otoconia
otoconial
otoconite
otoconium
otocranic
otocranial
otocranial
otocranic
otocranium
otocyst
otocystic
otocysts
otodynia
otodynic
otoencephalitis
otogenic
otogenous
otographical
otography
otoheminuresthenia
otolaryngologic
otolaryngological
otolaryngologies
otolaryngologist
otolaryngologists
otolaryngology
otolite
otolith
otolithic
otoliths
otolitic
otologic
otological
otologically
otologies
otologist
otology
otomassage
otomucormycosis
otomyces
otomycosis
otonecrectomy
otoneuralgia
otoneurasthenia
otoneurology
otopathic
otopathicetc
otopathy
otopharyngeal
otophone
otopiesis
otoplastic
otoplasty
otopolypus
otopyorrhea
otopyrosis
otorhinolaryngologic
otorhinolaryngologist
otorhinolaryngology
otorrhagia
otorrhea
otorrhoea
otosalpinx
otosclerosis
otoscope
otoscopes
otoscopic
otoscopies
otoscopy
otosis
otosphenal
otosteal
otosteon
ototoi
ototomy
ototoxic
ottajanite
ottar
ottars
ottava
ottavarima
ottavas
ottave
ottavino
ottawa
ottawas
otter
outbargaining
outbargains
outbark
outbarked
outbarking
outbarks
outbarred
outbarring
outbarker
outbat
outbatted
outbatter
outbating
outbawl
outbawled
outbawling
outbawls
outbbled
outbbred
outbeam
outbeamed
outbeaming
outbeams
outbear
outbearing
outbeg
outbeggar
outbegged
outbegging
outbegs
outbelch
outbellow
outbend
outbending
outbent
outbetter
outbid
outbidden
outbidder
outbidding
outbids
outbirth
outblacken
outblaze
outblazed
outblazes
outblazing
outbleat
outcatches
outcatching
outcaught
outcavil
outcaviled
outcaviling
outcavilled
outcavilling
outcavils
outcept
outchamber
outcharm
outcharmed
outcharming
outcharms
outchase
outchased
outchasing
outchatter
outcheat
outcheated
outcheating
outcheats
outchid
outchidden
outchide
outchided
outchides
outchiding
outcities
outcity
outclamor
outclass
outclassed
outclasses
outclassing
outclerk
outclimb
outclimbed
outclimbing
outclimbs
outclomb
outcome
outcome's
outcomer
outcomes
outcoming
outcompass
outcompete
outcomplete
outcompliment
outcook
outcooked
outcooking
outcooks
outcorner
outcountry
outcourt
outcrawl
outcrawled
outcrawling
outcrawls
outcreep
outcreeping
outcrept
outcricket
outcried
outcrier
outcries
outcrop
outcropped
outcropper
outcropping
outcroppings
outcrops
outcross
outcrossed
outcrosses
outcrossing
outcrow
outcrowd
outcrowed
outcrowning
outcrows
outcry
outcrying
outcull
outcure
outcured
outcuring
outcurse
outcursed
outcurses
outcursing
outcurve
outcurved
outdoorsy
outdraft
outdragon
outdrank
outdraught
outdraw
outdrawing
outdrawn
outdraws
outdream
outdreamed
outdreaming
outdreams
outdreamt
outdress
outdressed
outdresses
outdressing
outdrew
outdrink
outdrinking
outdrinks
outdrive
outdriven
outdrives
outdriving
outdrop
outdropped
outdropping
outdrops
outdrove
outdrunk
outdure
outdwell
outdweller
outdwelling
outdwelt
outeat
outeate
outeaten
outeating
outeats
outecho
outechoed
outechoes
outechoing
outechos
outed
outedge
outedged
outedging
ouden
outequivocate
outequivocated
outequivocating
outer
outercoat
outerly
outermost
outerness
outers
outerwear
outeye
outeyed
outfable
outfabled
outfables
outfabling
outface
outfaced
outfaces
outfacing
outfall
outfalls
outfame
outfamed
outfaming
outfangthief
outfast
outfasted
outfasting
outfasts
outfawn
outfawned
outfawning
outfawns
outfeast
outfeasted
outfeasting
outfeasts
outfeat
outfed
outfeed
outfeeding
outfeel
outfeeling
outfeels
outfelt
outfence
outfenced
outfencing
outerret
outffed
outfiction
outfield
outfielded
outfielder
outfielders
outfielding
outfields
outfieldsmman
outfieldsmmen
outfight
outfighter
outfighting
outfights
outfigure
outfigured
outfiguring
outfind
outfinding
outfinds
outfire
outfired
outfires
outfiring
outfish
outfit
outfit's
outfits
outfitted
outfitter
outfitters
outfitting
outfittings
outflame
outflamed
outflaming
outflank
outflanked
outflanker
outflanking
outflanks
outflare
outfrowning
outfrowns
outgabble
outgabbled
outgabbling
outgain
outgained
outgaining
outgains
outgallop
outgamble
outgambled
outgambling
outgame
outgamed
outgaming
outgang
outgarment
outgarth
outgas
outgassed
outgasses
outgassing
outgate
outgave
outgaze
outgazed
outgazing
outgeneral
outgeneraled
outgeneraling
outgeneralled
outgeneralling
outgive
outgiven
outgives
outgiving
outglad
outglare
outglared
outglares
outglaring
outgleam
outglitter
outgloom
outglow
outglowed
outglowing
outglows
outgnaw
outgnawed
outgnawing
outgnawn
outgnawns
outgo
outgoer
outgoes
outgoing
outgoingness
outgoings
outgone
outgreen
outgrew
outgrin
outgrinned
outgrinning
outgrins
outground
outgroup
outgroups
outgrow
outgrowing
outgrown
outgrows
outgrowth
outgrowths
outguard
outguess
outguessed
outguesses
outguessing
outguide
outguided
outguides
outguiding
outgun
outgunned
outgunning
outguns
outgush
outgushes
outgushing
outhammer
outhasten
outhaul
outjest
outjet
outjettled
outjetting
outjinx
outjinxed
outjinxes
outjinxing
outjockey
outjourney
outjourneyed
outjourneying
outjuggle
outjuggled
outjuggling
outjump
outjumped
outjumping
outjumps
outjut
outjuts
outjutted
outjutting
outkeep
outkeeper
outkeeping
outkeeps
outkept
outkick
outkicked
outkicking
outkicks
outkill
outking
outkiss
outkissed
outkisses
outkissing
outkitchen
outknavel
outknee
outlabor
outlaid
outlain
outlance
outlanced
outlancing
outland
outlander
outlandish
outlandishlike
outlandishly
outlandishness
outlands
outlash
outlast
outlasted
outlasting
outlasts
outlaugh
outlaughed
outlaughing
outlaughs
outlaunch
outlaw
outlawed
outlawing
outlawries
outlawry
outlaws
outlay
outlay's
outlaying
outlays
outlead
outleading
outlean
outleap
outleaped
outleaping
outleaps
outleapt
outlearn
outlearned
outlearning
outlearns
outlearnt
outled
outlegend
outlength
outlengthen
outler
outlet
outlet's
outlets
outlie
outlier
outliers
outlies
outligger
outlighten
outlimb
outlimn
outline
outlinear
outlined
outlineless
outliner
outlines
outlinger
outlining
outlip
outlipped
outlipping
outlive
outlived
outliver
outlivers
outlives
outliving
outlled
outlodging
outlook
outlooker
outlooks
outlope
outtord
outlot
outlove
outloved
outloves
outloving
outlung
outluster
outly
outlying
outmagic
outmalaprop
outmalapropripped
outmalapropripping
outman
outmaneuver
outmaneuvered
outmaneuvering
outmaneuvers
outmanned
outmanning
outmanoeuvered
outmanoeuvering
outmanoeuvre
outmans
outmantle
outmarch
outmarched
outmarches
outmarching
outmarriage
outmarried
outmarry
outmarrying
outmaster
outmatch
outmatched
outmatches
outmatching
outmate
outmated
outmating
outmeasure
outmeasured
outmeasuring
outmen
outmerchant
outmiracle
outmode
outmoded
outmodes
outmoding
outmost
outmount
outmouth
outmove
outmoved
outmoves
outmoving
outname
outness
outnight
outnoise
outnook
outnumber
outnumbered
outnumbering
outnumbers
outoffice
outoven
outpace
outpaced
outpaces
outpacing
outpage
outpaint
outpainted
outpainting
outpaints
outparagon
outparamour
outparish
outpart
outparts
outpass
outpassed
outpasses
outpassing
outpassion
outpath
outpatient
outpatients
outpay
outpayment
outpeal
outpeep
outpeer
outpension
outpensioner
outpeople
outpeopled
outpeopling
outperform
outperformed
outperforming
outperforms
outpick
outpicket
outpipe
outpiped
outpiping
outpitch
outpitted
outpities
outpity
outpitying
outplace
outplan
outplanned
outplanning
outplans
outplay
outplayed
outplaying
outplays
outplease
outpleased
outpleasing
outplod
outplied
outplodding
outplods
outplot
outplotted
outplotting
outpocketing
outpoint
outpointed
outpointing
outpoints
outpoise
outpoison
outpoll
outpolled
outpolling
outpolls
outpomp
outpop
outpopped
outpopping
outpopulate
outpopulated
outpopulating
outporch
outport
outporter
outportion
outports
outpost
outpost's
outposts
outpouching
outpour
outpoured
outpouer
outpouring
outpourings
outpours
outpractice
outpracticed
outpracticing
outpraise
outpraised
outpraising
outpray
outprayed
outpraying
outprays
outpreach
outpreen
outpreened
outpreening
outpreens
outpress
outpressed
outpresses
outpressing
outprice
outpriced
outprices
outpricing
outried
outprodigy
outproduce
outproduced
outproduces
outproducing
outpromise
outpromised
outpromising
outpy
outpyr
outpull
outpulled
outpulling
outpulls
outpupil
outpurl
outpurse
outpursue
outhymed
outhyming
outrib
outribbed
outribbing
outtrick
outridden
outride
outrider
outriders
outrides
outriding
outrig
outrigged
outrigger
outriggered
outriggerless
outriggers
outringing
outright
outrightly
outrightness
outring
outrings
outrival
outrivaled
outrivaling
outrivalled
outrivalling
outrivals
outrive
outroad
outroar
outroared
outroaring
outroars
outrock
outrocked
outrocking
outrocks
outrode
outrogue
outrogued
outroguing
outroll
outrolled
outrolling
outrolls
outromance
outromanced
outromancing
outroop
outrooper
outroot
outrooted
outrooting
outroots
outrove
outroved
outroving
outrow
outroyal
outrun
outrung
outrunner
outrunning
outruns
outrush
outrushes
outs
outsaid
outsail
outsailed
outsailing
outsails
outsaint
outsallied
outsally
outsallying
outsang
outsat
outsatisfied
outsatisfy
outsatisfying
outsavor
outsavored
outsavoring
outsavors
outsaw
outsky
outsaying
outscape
outscents
outscold
outscolded
outscolding
outscolds
outscore
outscored
outscores
outscoring
outscorn
outscorned
outscorning
outscorns
outscour
outscouring
outscout
outscram
outsea
outseam
outsearch
outsee
outseeing
outseek
outseeking
outseen
outsees
outsell
outselling
outsells
outsend
outsentinel
outsentries
outentry
outsert
outserts
outservant
outserve
outserved
outserves
outserving
outset
outsets
outsetting
outsettlement
outsettler
outshadow
outshake
outshame
outshamed
outshames
outshaming
outshape
outshaped
outshaping
outsharp
outsharpen
outsheathe
outshift
outshifts
outshine
outshined
outshiner
outshines
outshining
outshone
outshoat
outshooting
outshoots
outshot
outshoulder
outshout
outshouted
outshouting
outshouts
outshove
outshoved
outshoving
outshow
outshowed
outshower
outshown
outshriek
outshrill
outshut
outside
outsided
outsidedness
outsideness
outsider
outsider's
outsiderness
outsiders
outsides
outsift
outsigh
outsight
outsights
outsin
outsing
outsnores
outsnoring
outsoar
outsoared
outsoaring
outsoars
outsold
outside
outsoler
outsoles
outsonet
outsonnet
outsophisticate
outsophisticated
outsophisticating
outsought
outsound
outspan
outspanned
outspanning
outspans
outsparkle
outsparkled
outsparkling
outsparspied
outsparspinned
outsparspinning
outsparsprued
outsparspruing
outsparspying
outspat
outspeak
outspeaker
outspeaking
outspeaks
outsped
outspeech
outspeed
outspell
outspelled
outspelling
outspells
outspelt
outspend
outspending
outspends
outspent
outspied
outspill
outspin
outspinned
outspinning
outspirit
outspit
outsplendor
outspoke
outspoken
outspokenly
outspokenness
outsport
outspout
outsprang
outspread
outspreading
outspreads
outspring
outspurt
outspue
outspurn
outspurt
outspur
outspy
outspying
outstagger
outstaid
outstair
outstand
outstander
outstanding
outstandingly
outstandingness
outsidings
outsidings
outstank
outstare
outstared
outstares
outstaring
outstart
outstarted
outstarter
outstarting
outstartle
outstartled
outstartling
outstarts
outstate
outstated
outstater
outstates
outstating
outstation
outstations
outstatistic
outstature
outstatured
outstaturing
outstay
outstayed
outstaying
outstays
outsteal
outstealing
outsteam
outsteer
outsteered
outsteering
outsteers
outstep
outstepped
outstepping
outsting
outstinging
outstink
outstole
outstolen
outstood
outstorm
outstrain
outstream
outstreet
outstretch
outstretched
outstretcher
outstretches
outstretching
outstridden
outstride
outstriding
outstrike
outstrip
outstripped
outstripping
outstrips
outstrive
outstriven
outstriving
outstrode
outstroke
outstrove
outstruck
outstrut
outstrutted
outstrutting
outstudent
outstudied
outstudies
outstudy
outstudying
outstung
outstunt
outstunted
outstunting
outstunts
outsubtle
outsuck
outsucken
outsuffer
outsuitor
outsulk
outsulked
outsulking
outsulks
outsum
outsummed
outsumming
outsung
outsuperstition
outswagger
outswam
outsware
outswarm
outswear
outswearing
outswears
outsweep
outsweeping
outsweepings
outsweeten
outswell
outswift
outswim
outswimming
outswims
outswindle
outswindled
outswindling
outswing
outswinger
outswinging
outswirl
outswore
outsworn
outswum
outswung
outtake
outtaken
outtakes
outtalent
outtalk
outtalked
outtalking
outtalks
outtask
outtasked
outtasking
outtasks
outtaste
outtear
outtearing
outtease
outteased
outteasing
outtell
outtelling
outtells
outthank
outthanked
outthanking
outthanks
outthieve
outthieved
outthieving
outthink
outthinking
outthinks
outthought
outthreaten
outhrew
outhrob
outhrobbed
outhrobbing
outhrobs
outhrough
outhrow
outhrowing
outhrown
outhrows
outhrust
outhruster
outhrusting
outhunder
outhwack
outtinkle
outtinkled
outtinkling
outtire
outtired
outtiring
outtold
outtongue
outtongued
outtonguing
outtop
outtopped
outtopping
outtore
outtorn
outtower
outtowered
outtowering
outtowers
outtrade
outtraded
outtrades
outtrading
outtrail
outtravel
outtraveled
outtraveling
outtrick
outtricked
outtricking
outtricks
outtrot
outtrots
outtrotted
outtrotting
outtrump
outtrumped
outtrumping
outtrumps
outtore
outtorn
outturn
outturned
outturns
outtwine
outtyrannize
outtyrannized
outtyrannizing
outusure
outvalue
outvalued
outvalues
outvaluing
outvanish
outvaunt
outvaunted
outvaunting
outvaunts
outvelvet
outvenom
outvictor
outvie
outvied
outvier
outvigil
outvillage
outvillain
outvociferate
outvociferated
outvociferating
outvoice
outvoiced
outvoices
outvoicing
outvote
outvoted
outvoter
outvotes
outvoting
outvoyage
outvoyaged
outvoyaging
outvying
outwait
outwaited
outwaiting
outwaits
outwake
outwale
outwalk
outwalked
outwalking
outwalks
outwall
outwallop
outwander
outwar
outwarble
outwarbled
outwarbling
outward
outwardly
outwardmost
outwardness
outwards
outwardsoutwarred
outwarring
outwars
outwash
outwashes
outwaste
outwasted
outwastes
outwasting
outwatch
outwatched
outwatches
outwatching
outwater
outwave
outwaved
outwaving
outway
outwealth
outweapon
outweaponed
outwear
outwearied
outyelling
outyells
outyelp
outyelped
outyelping
outyelps
outyield
outyielded
outyielding
outyields
outzany
ouvert
ouverte
ouvrage
ouvre
ouvrier
ouvriere
ouyezd
ouze
ouzel
ouzels
ouzo
ouzos
ova
oval
oval's
ovalbumen
ovalbumin
ovalescent
ovaliform
ovalish
ovalities
ovality
ovalization
ovalize
ovally
ovalness
ovalnesses
ovaloid
ovals
ovalwise
ovant
ovaria
ovarial
ovarian
ovariectomize
ovariectomized
ovariectomizing
ovariectomy
ovaries
ovarin
ovarioabdominal
ovariocele
ovariocentesis
ovariocyesis
ovariodynsneuria
ovariohysterectomy
ovariele
ovarioles
ovariolumbar
ovariorrhexis
ovariosalpingectomy
ovariosteresis
ovariostomy
ovariotomies
ovariotomist
ovariotomize
ovariotomy
ovariotubal
ovarious
ovaritides
ovaritis
ovarium
ovary
ovary's
ovate
ovateconical
ovated
ovately
ovation
ovational
ovationary
ovations
ovatoacuminate
ovatoconical
ovatocordate
ovatocordate
ovatocylindraceous
ovatodeltoid
ovatoellipsoidal
ovatoglobose
ovatolanceolate
ovatooblong
ovatoorbicular
ovatoorbiform
ovatoquadrangular
ovatorotundate
ovatoserrate
ovatotriangular
oven
oven's
ovenbird
ovenbirds
ovendry
ovened
ovenful
ovening
ovenlike
ovenly
ovenman
ovenmen
ovenpeel
ovens
ovensman
ovenstone
ovenware
ovenwares
ovenwise
ovenwood
over
overability
overable
overably
overabound
overabounded
overabounding
overabounds
overabsorb
overabsorption
overabstain
overabstemious
overabstemiously
overabstemiousness
overabundance
overabundant
overabundantly
overabuse
overabused
overabusing
overabusive
overabusively
overabusiveness
overaccelerate
overaccelerated
overaccelerating
overacceleration
overaccentuate
overaccentuated
overaccentuating
overaccentuation
overaccumulate
overaccumulated
overaccumulating
overaccumulation
overaccuracy
overaccurate
overaccurately
overachieve
overachieved
overachiever
overachieving
overacidity
overact
overacted
overacting
overaction
overactivate
overactivated
overactivating
overactive
overactiveness
overactivity
overacts
overacute
overacutely
overacuteness
overaddiction
overadorn
overadorned
overadorner
overadorning
overadvance
overadvanced
overadvancing
overadvice
overaffect
overaffected
overaffirm
overaffirmation
overaffirmative
overaffirmatively
overaffirmativeness
overafflict
overaffliction
overage
overageness
overages
overaggravate
overaggravated
overaggravating
overaggravation
overaggressive
overaggressively
overaggressiveness
overagitate
overagitated
overagitating
overagitation
overagonize
overalcoholize
overalcoholized
overalcoholizing
overall
overall's
overalled
overallegiance
overallegorize
overallegorized
overallegorizing
overalls
overambitioned
overambitious
overambitiously
overambitiousness
overambling
overanalysis
overanalytical
overanalytically
overanalyze
overanalyzed
overanalyzely
overanalyzes
overanalyzing
overangelic
overangry
overanimated
overanimatedly
overanimation
overannotate
overannotated
overannotating
overanswer
overanxiety
overanxious
overanxiously
overanxiousness
overappareled
overapplaud
overappraisal
overappraise
overappraised
overappraising
overappreciation
overappreciative
overappreciatively
overappreciatively
overappreciatively
overapprehended
overapprehension
overapprehensive
overapprehensively
overapprehensiveness
overapt
overaptly
overaptness
overarch
overarched
overarches
overarching
overargue
overargued
overarguing
overargumentative
overargumentatively
overargumentativeness
overarm
overartificial
overartificiality
overartificially
overassail
overassert
overassertion
overassertive
overassertively
overassertiveness
overassess
overassessment
overassume
overassumed
overassuming
overassumption
overassumptive
overassumptively
overassured
overassuredly
overassuredness
overate
overattached
overattachment
overattention
overattentive
overattentively
overattentiveness
overattenuate
overattenuated
overattenuating
overawe
overawed
overawes
overawful
overawing
overawn
overawning
overbade
overbait
overbake
overbaked
overbakes
overbaking
overbalance
overbalanced
overbalances
overbalancing
overballast
overbulm
overbanded
overbandy
overbank
overbanked
overbar
overbarish
overbark
overbarren
overbarrenness
overbase
overbaseness
overbashful
overbashfully
overbashfulness
overbattle
overbore
overborne
overbored
overbear
overbearance
overbearer
overbearing
overbearingly
overbearingness
overbears
overbeat
overbeating
overbeetling
overbelief
overbend
overbepatched
overberg
overbet
overbets
overbetted
overbetting
overbias
overbid
overbiden
overbidding
overbide
overbids
overbig
overbigness
overbill
overbillow
overbit
overbite
overbites
overbitten
overbitter
overbitterly
overbitterness
overblack
overblame
overblamed
overblaming
overblanch
overblaze
overbleach
overblessed
overblessedness
overbragging
overbrained
overbrake
overbraked
overbraking
overbranch
overbravado
overbrave
overbravely
overbraveness
overbravery
overbray
overbreak
overbreakage
overbreathe
overbred
overbreed
overbreeding
overbribe
overbridge
overbright
overbrightly
overbrightness
overbrilliance
overbrilliancy
overbrilliant
overbrilliantly
overbrim
overbrimmed
overbrimming
overbrimmingly
overbroaden
overbroil
overbrood
overbrow
overbrown
overbrowse
overbrowsed
overbrowsing
overbrush
overbrutal
overbrutalities
overbrutality
overbrutalization
overbrutalize
overbrutalized
overbrutalizing
overbrutally
overbubbling
overbuild
overbuilding
overbuilt
overbulk
overbulkily
overbulkiness
overbulky
overbumptious
overbumptiously
overbumptiousness
overburden
overburdened
overburdening
overburdeningly
overburdens
overburdensome
overburn
overburned
overburningly
overburnt
overburst
overburthen
overbusily
overbusiness
overbusy
overbusyness
overbuy
overbuying
overbuys
overby
overcalculate
overcalculation
overcall
overcalled
overcalling
overcalls
overcame
overcanny
overcanopy
overcap
overcapability
overcapable
overcapably
overcapacities
overcapacity
overcape
overcapitalisation
overcapitalise
overcapitalised
overcapitalising
overcapitalization
overcapitalize
overcapitalized
overcapitalizes
overcapitalizing
overcaptious
overcaptiously
overcaptiousness
overcard
overcare
overcareful
overcarefully
overcarefulness
overcareless
overcarelessly
overcarelessness
overcaring
overcarking
overcarry
overcarrying
overcast
overcasting
overcasts
overcasual
overcasually
overcasualness
overcasuistical
overcatch
overcaustic
overcaustically
overcausticity
overcaution
overcautious
overcautiously
overcautiousness
overcensor
overcensorious
overcensoriously
overcensoriousness
overcentralization
overcentralize
overcentralized
overcentralizing
overcerebral
overcertification
overcertified
overcertify
overcertifying
overchafe
overchafed
overchafing
overchannel
overchant
overcharge
overcharged
overchargement
overcharger
overcharges
overcharging
overcharitable
overcharitableness
overcharitably
overcharity
overchase
overchased
overchasing
overcheap
overcheaply
overcheapness
overcheck
overcherish
overcherished
overchidden
overchief
overchildish
overchildishly
overchildishness
overchill
overchlorinate
overchoke
overchrome
overchurch
overcirculate
overcircumspect
overcircumspection
overcivil
overcivility
overcivilization
overcivilize
overcivilized
overcivilizing
overcivilly
overclaim
overclamor
overclasp
overclean
overcleanly
overcleanliness
overcleave
overclemency
overclemency
overclever
overcleverly
overcleverness
overclimb
overclinical
overclinically
overclinicalness
overcloak
overclog
overclogged
overclogging
overclose
overclosely
overcloseness
overclothe
overclothes
overcloud
overclouded
overclouding
overclouds
overcloy
overcluster
overclutter
overcoached
overcoat
overcoat's
overcoated
overcoating
overcoats
overcoil
overcold
overcoldly
overcollar
overcolor
overcoloration
overcoloring
overcolour
overcomable
overcome
overcomer
overcomes
overcoming
overcomingly
overcommand
overcommend
overcommendation
overcommercialization
overcommercialize
overcommercialized
overcommercializing
overcommit
overcommitment
overcommon
overcommonly
overcommonness
overcommunicative
overcompensate
overcompensated
overcompensates
overcompensating
overcompensation
overcompensations
overcompensators
overcompensatory
overcompetition
overcompetitive
overcompetitively
overcompetitiveness
overcomplacence
overcomplacency
overcomplacent
overcomplacently
overcomplete
overcomplex
overcomplexity
overcompliant
overcomplicate
overcomplicated
overcomplicating
overcompound
overconcentrate
overconcentrated
overconcentrating
overconcentration
overconcern
overconcerned
overcondensation
overcondense
overcondensed
overcondensing
overconfidence
overconfident
overconfidently
overconfiding
overconfute
overconquer
overconscientious
overconscientiously
overconscientiousness
overconscious
overconsciously
overconsciousness
overconservatism
overconservative
overconservatively
overconservativeness
overconsiderate
overconsiderately
overconsiderateness
overconsideration
overconstant
overconstantly
overconstantness
overconsume
overconsumed
overconsuming
overconsumption
overcontented
overcontentedly
overcontentedness
overcontentious
overcontentiously
overcontentiousness
overcontentment
overcontract
overcontraction
overcontribute
overcontributed
overcontributing
overcontribution
overcontrite
overcontritely
overcontriteness
overcontrol
overcontrolled
overcontrolling
overcook
overcooked
overcooking
overcooks
overcool
overcooled
overcooling
overcoolly
overcoolness
overcools
overcopious
overcopiously
overcopiousness
overcorned
overcorrect
overcorrection
overcorrupt
overcorruption
overcorruptly
overcostliness
overcostly
overcount
overcourteous
overcourteously
overcourteousness
overcourtesy
overcover
overcovetous
overcovetously
overcovetousness
overcow
overcoy
overcoyly
overcoyness
overcram
overcramme
overcrammed
overcrammi
overcramming
overcrams
overcredit
overcredulity
overcredulous
overcredulously
overcredulousness
overcreed
overcreep
overcritical
overcritically
overcriticalness
overcriticism
overcriticize
overcriticized
overcriticizing
overcrop
overcropped
overcropping
overcrops
overcross
overcrossing
overcrow
overcrowd
overcrowded
overcrowdedly
overcrowdedness
overcrowding
overcrowds
overcrown
overcrust
overcry
overcull
overcultivate
overcultivated
overcultivating
overcultivation
overculture
overcultured
overcumber
overcunning
overcunningly
overcunningness
overcup
overcured
overcuriosity
overcurious
overcuriously
overcuriousness
overcurl
overcurrency
overcurrent
overcurtain
overcustom
overcut
overcutter
overcutting
overdaintily
overdaintiness
overdainty
overdann
overdance
overdare
overdared
overdares
overdaring
overdaringly
overdarken
overdash
overdated
overdazed
overdazzle
overdazzled
overdazzling
overdeal
overdear
overdearly
overdearness
overdebate
overdebated
overdebating
overdebilitate
overdebilitated
overdebilitating
overdecadence
overdecadent
overdecadently
overdeck
overdecked
overdecking
overdecks
overdecorate
overdecorated
overdecorates
overdecorating
overdecoration
overdecorative
overdecoratively
overdecorativeness
overdedicate
overdedicated
overdedicating
overdedication
overdeeming
overdeep
overdeepen
overdeeply
overdefensive
overdefensively
overdefensiveness
overdeferential
overdeferentially
overdefiant
overdefiantly
overdefiantness
overdefined
overdeliberate
overdeliberated
overdeliberately
overdeliberateness
overdeliberating
overdeliberation
overdelicacy
overdelicate
overdelicately
overdelicateness
overdelicious
overdeliciously
overdeliciousness
overdelighted
overdelightedly
overdemand
overdemandiness
overdemandingly
overdemandingness
overdemocracy
overdemonstrative
overden
overdenunciation
overdependence
overdependent
overdepress
overdepressive
overdepressively
overdepressiveness
overderide
overderided
overderiding
overderisive
overderisively
overderisiveness
overdescant
overdescribe
overdescribed
overdescribing
overdescriptive
overdescriptively
overdescriptiveness
overdesire
overdesirous
overdesirously
overdesirousness
overdestructive
overdestructively
overdestructiveness
overdetailed
overdetermination
overdetermined
overdevelop
overdeveloped
overdeveloping
overdevelopment
overdevelops
overdevoted
overdevotely
overdevotedness
overdevotion
overdevout
overdevoutness
overdid
overdiffuse
overdiffused
overdiffusely
overdiffuseness
overdiffusing
overdiffusingly
overdiffusingness
overdiffusion
overdigest
overdignified
overdignifiedly
overdignifiedness
overdignify
overdignifying
overdignity
overdilate
overdilated
overdilating
overdilation
overdiligence
overdiligent
overdiligently
overdiligentness
overdilute
overdiluted
overdiluting
overdilution
overdischarge
overdiscipline
overdisciplined
overdisciplining
overdiscount
overdiscourage
overdiscouraged
overdiscouragement
overdiscouraging
overdiscreet
overdiscreetly
overdiscreetness
overdiscriminating
overdiscriminatingly
overdiscrimination
overdiscuss
overdistance
overdistant
overdistantly
overdistantness
overdistempered
overdistend
overdistension
overdistention
overdistort
overdistortion
overdistrait
overdistraught
overdiverse
overdiversely
overdiverseness
overdiversification
overdiversified
overdiversifies
overdiversify
overdiversifying
overdiversity
overdo
overdoctrinaire
overdoctrinize
overdoer
overdoers
overdoes
overdogmatic
overdogmatical
overdogmatically
overdogmaticalness
overdogmatism
overdoing
overdome
overdomesticate
overdomesticated
overdomesticating
overdominance
overdominant
overdominate
overdominated
overdominating
overdone
overdoor
overdosage
overdose
overdosed
overdoses
overdosing
overdoubt
overdoze
overdozed
overdozing
overdraft
overdraft's
overdrafts
overdrain
overdrainage
overdramatic
overdramatically
overdramatize
overdramatized
overdramatizes
overdramatizing
overdrank
overdrape
overdrapery
overdraught
overdraw
overdrawer
overdrawing
overdrawn
overdraws
overdream
overdredge
overdredged
overdredging
overdrench
overdress
overdressed
overdresses
overdressing
overdrew
overdried
overdrifted
overdrily
overdriness
overdrink
overdrinking
overdrinks
overdrip
overdrive
overdriven
overdrives
overdriving
overdroop
overdrove
overdrowse
overdrunk
overdry
overdubbed
overdue
overdunged
overdure
overdust
overdye
overdyed
overdyeing
overdyer
overdyes
overdying
overeager
overeagerly
overeagerness
overearily
overearest
overearestly
overearestness
overeasily
overeasiness
overeasy
overeat
overeate
overeaten
overeater
overeating
overeats
overed
overedge
overedit
overeditorialize
overeditorialized
overeditorializing
overeducate
overeducated
overeducates
overeducating
overeducation
overeducative
overeducatively
overeffort
overeffusive
overeffusively
overeffusiveness
overegg
overelaborate
overelaborated
overelaborately
overelaborateness
overelaborates
overelaborating
overelaboration
overrelate
overrelated
overrelating
overelegance
overelegancy
overelegant
overelegantly
overelegantness
overelliptical
overelliptically
overembellish
overembellished
overembellishes
overembellishing
overembellishment
overembroider
overemotional
overemotionality
overexpressiveness
overexquisite
overexquisitely
overextend
overextended
overextending
overextends
overextensive
overextreme
overexuberance
overexuberant
overexuberantly
overexuberantness
overeye
overeyebrowed
overeyed
overeying
overface
overfacile
overfacilely
overfacility
overfactious
overfactiously
overfactiousness
overfactitious
overfag
overfagged
overfagging
overfaint
overfaintly
overfaintness
overfaith
overfaithful
overfaithfully
overfaithfulness
overfall
overfallen
overfalling
overfamed
overfamiliar
overfamiliarity
overfamiliarly
overfamous
overfanciful
overfancifully
overfancifulness
overfancy
overfar
overfast
overfastidious
overfastidiously
overfastidiousness
overfaster
overfat
toverfatigue
overfatigued
overfatigues
overfatiguing
overfatness
overfatten
overfault
overfavor
overfavorable
overfavorableness
overfavorably
overfear
overfearer
overfearful
overfearfully
overfearfulness
overfearing
overfears
overfeast
overfeatured
overfed
overfee
overfeed
overfeeding
overfeeds
overfeel
overfell
overfellowlike
overfellowly
overfelon
overfeminine
overfemininely
overfemininity
overfeminize
overfeminized
overfeminizing
overfertile
overfertility
overfervent
overfervently
overferventness
overfestoon
overfew
overfierce
overfiercely
overfierceness
overfile
overfill
overfilled
overfilling
overfills
overfilm
overfilter
overfine
overfinished
overfish
overfished
overfishes
overfishing
overfit
overfix
overflap
overflat
overflatly
overflatness
overflatten
overflavor
overfleece
overfleshed
overflew
overflexion
overflies
overflight
overflights
overflying
overfloat
overflog
overflogged
overflogging
overflood
overflorid
overfloridly
overfloridness
overfleur
overflourish
overflow
overflowable
overflowed
overflower

Open Source Used In CSPC_Collector 2.9.1 13991
overflowing
overflowingly
overflowingness
overflown
overflows
overfluency
overfluent
overfluently
overfluentness
overflush
overflutter
overfly
overflying
overfold
overfond
overfondle
overfondled
overfondling
overfondly
overfondness
overfoolish
overfoolishly
overfoolishness
overfoot
overforce
overforced
overforcing
overforged
overformalize
overformalized
overformalizing
overformed
overforward
overforwardly
overforwardness
overfought
overfoul
overfoullly
overfoulness
overfragile
overfragmented
overfrail
overfrailly
overfrailness
overfrailty
overfranchised
overfrank
overfrankly
overfrankness
overfraught
overfree
overfreedom
overfreely
overfreight
overfreighted
overfrequency
overfrequent
overfrequently
overfret
overfrieze
overfrighted
overfrighten
overfroth
overfrown
overfrozen
overfrugal
overfrugality
overfrugally
overfruited
overfruitful
overfruitfully
overfruitfulness
overfrustration
overfull
overfullness
overfunctioning
overfurnish
overfurnished
overfurnishes
overfurnishing
overgaiter
overgalled
overgamble
overgambled
overgambling
overgang
overgarment
overgarnish
overgarrison
overgaze
overgeneral
overgeneralization
overgeneralize
overgeneralized
overgeneralizes
overgeneralizing
overgenerally
overgenerosity
overgenerous
overgenerously
overgenerousness
overgenial
overgeniality
overgenially
overgenialness
overgentle
overgently
overgesticulate
overgesticulated
overgesticulating
overgesticulation
overgesticulative
overgesticulatively
overgesticulativeness
overget
overgetting
overgifted
overgild
overgilded
overgilding
overgilds
overgilt
overgilted
overgird
overgirded
overgirding
overgirdle
overgirds
overgirt
overgive
overglad
overgladly
overglance
overglanced
overglancing
overglass
overglaze
overglazed
overglazes
overglazing
overglide
overglint
overgloom
overgloomily
overgloominess
overgloomy
overglorious
overgloss
overglut
overgo
overgoad
overgoaded
overgoading
overgoads
overgod
overgodliness
overgodly
overgoing
overgone
overgood
overgorge
overgorged
overgot
overgotten
overgovern
overgovernment
overgown
overgrace
overgracious
overgraciously
overgraciousness
overgrade
overgraded
overgrading
overgraduated
overgrain
overgrainer
overgrasping
overgrateful
overgratefully
overgratefulness
overgratification
overgratified
overgratify
overgratifying
overgratitude
overgraze
overgrazed
overgrazes
overgrazing
overgreasiness
overgreasy
overgreat
overgreatly
overgreatness
overgreed
overgreedily
overgreediness
overgreedy
overgrew
overgrieve
overgrieved
overgrieving
overgrievous
overgrievously
overgrievousness
overgrind
overgross
overgrossly
overgrossness
overground
overgrow
overgrowing
overgrown
overgrows
overgrowth
overguilty
overgun
overhail
overhair
overhale
overhalf
overhand
over-handed
overhandicap
overhandicapped
overhandicapping
overhanding
overhandle
overhandled
overhandling
overhands
overhang
overhanging
overhangs
overhappily
overhappiness
overhappy
overharass
overharassment
overhard
overharden
overhardness
overhardy
overharsh
overharshly
overharshness
overhaste
overhasten
overhastily
overhastiness
overhasty
overhate
overhated
overhates
overhating
overhatted
overhaughtily
overhaughtiness
overhaughty
overhaul
overhauled
overhauler
overhauling
overhauls
overhead
overheadiness
overheadiness
overheadman
overheads
overheady
overheap
overheaped
overheaping
overheaps
overhear
overheard
overhearer
overhearing
overhears
overheartily
overheartiness
overhearty
overheat
overheated
overheatedly
overheating
overheats
overheave
overheavily
overheaviness
overheavy
overheight
overheighten
overheinous
overheld
overhelp
overhelpful
overhelpfully
overhelpfulness
overhie
overhigh
overhighly
overhill
overhip
overhit
overhold
overholding
overholds
overholiness
overhollow
overholy
overhomeliness
overhomely
overhonest
overhonestly
overhonestness
overhonesty
overhonor
overhope
overhoped
overhopes
overhoping
overhorse
overhostile
overhostilely
overhostility
overhot
overhotly
overhour
overhouse
overhover
overhuge
overhugely
overhugeness
overhuman
overhumane
overhumanity
overhumanize
overhumanized
overhumanizing
overhumble
overhumbleness
overhumbly
overhung
overhunt
overhunted
overhunting
overhunts
overhurl
overhurried
overhurriedly
overhurry
overhurrying
overhusk
overhysterical
overidden
overidealism
overidealistic
overidealize
overidealized
overidealizing
overidentified
overidentify
overidentifying
overidle
overidleness
overidly
overidness
overidolatrous
overidolatrously
overidolatrousness
overillustrate
overillustrated
overillustrating
overillustration
overillustrative
overillustratively
overimaginative
overimaginatively
overimaginativeness
overimitate
overimitated
overimitating
overimitation
overintensification
overintensified
overintensify
overintensifying
overintensity
overinterest
overinterested
overinterestedly
overinterestedness
overinterference
overinventoried
overinvest
overinvested
overinvesting
overinvestment
overinvests
overinvolve
overinvolved
overinvolving
overiodize
overiodized
overiodizing
overirrigate
overirrigated
overirrigating
overirrigation
overissue
overissued
overissues
overissuing
overitching
overjacket
overjade
overjaded
overjading
overjawed
overjealous
overjealously
overjealousness
overjob
overjocular
overjocularity
overjocularly
overjoy
overjoyed
overjoyful
overjoyfully
overjoyfulness
overjoying
overjoyous
overjoyously
overjoyousness
overjoys
overjudge
overjudging
overjudgment
overjudicious
overjudiciously
overjudiciousness
overjump
overjust
overjutting
overkeen
overkeenly
overkeenness
overkeep
overkick
overkill
overkilled
overkilling
overkills
overkind
overkindly
overkindness
overking
overknavery
overknee
overknow
overknowing
overlabor
overlabored
overlaboring
overlabour
overlaboured
overlabouring
overlace
overlactate
overlactated
overlactating
overlactation
overlade
overladen
overladens
overladess
overladings
overlaid
overlain
overland
overlander
overlands
overlaness
overlanguaged
overlap
overlap's
overlapped
overlapping
overlaps
overlard
overlarge
overlargely
overlargeness
overlascivious
overlasciviously
overlasciviousness
overlash
overlast
overlate
overlateness
overlather
overlaid
overlaudation
overlaudatory
overlaugh
overlaunch
overlave
overlavish
overlavishly
overlavishness
overlax
overlaxative
overlaxly
overlaxness
overlay
overlayed
overlayer
overlaying
overlays
overlead
overleaf
overlean
overleap
overleaped
overleaping
overleaps
overleapt
overlearn
overlearned
overlearnedly
overlearnedness
overleather
overleave
overleaven
overleer
overleg
overlegislate
overlegislated
overlegisrating
overlegislation
overleisure
overlength
overlet
overlets
overlettered
overletting
overlew
overlewld
overlewldly
overlewldness
overliberal
overliberality
overliberalization
overliberalize
overliberalized
overliberalizing
overliberally
overlicentious
overlicentiously
overlicentiousness
overlick
overlie
overlier
overlies
overlift
overlight
overlighted
overlightheaded
overlightly
overlightness
overlightsome
overliing
overliing
overliing
overliing
overline
overling
overlinger
overlinked
overlap
overlapping
overlisted
overlisten
overliterarily
overliterariness
overliterary
overlittle
overlive
overlived
overliveliness
overlively
overliver
overlives
overliving
overload
overloaded
overloading
overloads
overloan
overloath
overlock
overlocker
overloftily
overloftiness
overlofty
overlogical
overlogicality
overlogically
overlogicalness
overlong
overlook
overlooked
overlooker
overlooking
overlooks
overloose
overloosely
overlooseness
overlord
overlorded
overlording
overlords
overlordship
overloud
overloudly
overloudness
overloup
overlove
overloved
overlover
overloves
overloving
overlow
overlowness
overloyal
overloyally
overloyalties
overloyalty
overlubricate
overlubricated
overlubricating
overlubricatio
overlubrication
overluscious
overlusciously
overlusciousness
overlush
overlushly
overlushness
overlustiness
overlusty
overluxuriance
overluxuriancy
overluxuriant
overluxuriantly
overluxurious
overluxuriously
overluxuriousness
overly
overlying
overmagnetic
overmagnetically
overmagnification
overmagnified
overmagnifies
overmagnify
overmagnifying
overmagnitude
overmajority
overmalapert
overman
overmanage
overmanaged
overmanaging
overmanned
overmanning
overmans
overmantel
overmantle
overmany
overmarch
overmark
overmarking
overmarl
overmask
overmast
overmaster
overmastered
overmasterful
overmasterfully
overmasterfulness
overmastering
overmasteringly
overmasters
overmatch
overmatched
overmatches
overmatching
overmatter
overmature
overmaturely
overmatureness
overmaturity
overmean
overmeanly
overmeanness
overmeasure
overmeddle
overmeddled
overmeddling
overmeek
overmeekly
overmeekness
overmellow
overmellowly
overmellowness
overmelodied
overmelodious
overmelodiously
overmelodiousness
overmelt
overmelted
overmelting
overmelts
overmen
overmerciful
overmercifully
overmercifulness
overmerit
overmerrily
overmerriment
overmerriness
overmerry
overmeticulous
overmeticulousness
overmettled
overmickle
overmighty
overmild
overmilitaristic
overmilitaristically
overmill
overmind
overminute
overminutely
overminuteness
overmitigate
overmitigated
overmitigating
overmix
overmixed
overmixes
overmixing
overmobilize
overmobilized
overmobilizing
overmoccasin
overmodernization
overmodernize
overmodernized
overmodernizing
overmodest
overmodestly
overmodesty
overmodification
overmodified
overmodifies
overmodify
overmodifying
overmodulation
overmoist
overmoisten
overmoisture
overmonopolize
overmonopolized
overmonopolizing
overmoral
overmoralistic
overmoralize
overmoralized
overmoralizing
overmoralizingly
overmorally
overmore
overmortgage
overmortgaged
overmortgaging
overmoss
overmost
overmotor
overmount
overmounts
overnourn
overnournful
overnournfully
overnournfulness
overnuch
overnuches
overnuchness
overmultiplication
overmultiplied
overmultiply
overmultiplying
overnude
overmuse
overnystification
overnystified
overnystify
overnystifying
overname
overnarrow
overnarrowly
overnarrowness
overnationalization
overnationalize
overnationalized
overnourish
overnourishingly
overnourishment
overnoveled
overnumber
overnumerous
overnumerously
overnumerousness
overnurse
overnursed
overnursing
overobedience
overobedient
overobediently
overobese
overobesely
overobeseness
overobesity
overobject
overobjectification
overobjectified
overobjectify
overobjectifying
overoblige
overobsequious
overobsequiously
overobsequiousness
overoffend
overoffensive
overoffensively
overoffensiveness
overofficered
overofficious
overofficiously
overofficiousness
overoptimism
overoptimist
overoptimistic
overoptimistically
overorder
overorganization
overorganize
overorganized
overorganizing
overornament
overornamental
overornamentality
overornamentally
overornamentation
overornamented
overoxidization
overoxidize
overoxidized
overoxidizing
overpack
overpaid
overpained
overpainful
overpainfully
overpainfulness
overpaint
overpamper
overpark
overpart
overparted
overpartial
overpartiality
overpartially
overpartialness
overparticular
overparticularity
overparticularly
overparticularness
overparty
overpass
overpassed
overpasses
overpassing
overpassionate
overpassionately
overpassionateness
overpast
overpatient
overpatriotic
overpatriotically
overpatriotism
overpay
overpaying
overpayment
overpays
overpeer
overpenalization
overpenalize
overpenalized
overpenalizing
overpending
overpensive
overpensively
overpensiveness
overpeople
overpeopled
overpeopling
overpepper
overperemptorily
overperemptoriness
overperemptory
overpermissive
overpermissiveness
overpersecute
overpersecuted
overpersecuting
overpersuade
overpersuaded
overpersuading
overpersuasion
overpert
overpessimism
overpessimistic
overpessimistically
overpet
overphilosophize
overphilosophized
overphilosophizing
overphysic
overpick
overpictorialize
overpictorialized
overpictorializing
overpicture
overpinching
overpious
overpiousness
overpitch
overpitched
overpiteous
overpiteously
overpiteousness
overplace
overplaced
overplacement
overplain
overplainly
overplainness
overplant
overplausible
overplausibleness
overplausibly
overplay
overplayed
overplaying
overplays
overplease
overpleased
overpleasing
overplenteous
overplenteously
overplenteousness
overplentiful
overplentifully
overplentifulness
overplenty
overplied
overplies
overplot
overplow
overplumb
overplume
overplump
overplumpness
overplus
overpluses
overply
overplying
overpoeticize
overpoeticized
overpoeticizing
overpointed
overpoise
overpole
overpolemical
overpolemically
overpolemicalness
overpolice
overpoliced
overpolicing
overpolish
overpolitic
overpolitical
overpolitically
overpollinate
overpollinated
overpollinating
overponderous
overponderously
overponderousness
overpopular
overpopularity
overpopularly
overpopulate
overpopulated
overpopulates
overpopulating
overpopulation
overpopulous
overpopulously
overpopulousness
overpositive
overpositively
overpositiveness
overpossess
overpost
overpot
overpotency
overpotent
overpotential
overpotently
overpotentialness
overpour
overpower
overpowered
overpowerful
overpowerfully
overpowerfulness
overpowering
overpoweringly
overpoweringness
overpowers
overpractice
overpracticed
overpracticing
overpraise
overpraised
overpraises
overpraising
overpratice
overpraticed
overpraticing
overpray
overpreach
overprolixity
overprolixly
overprolixness
overprominence
overprominent
overprominently
overprominentness
overpromise
overpromised
overpromising
overprompt
overpromptly
overpromptness
overprone
overproneness
overproness
overpronounce
overpronounced
overpronouncing
overpronunciation
overproof
overproportion
overproportionate
overproportionated
overproportionately
overproportioned
overprosperity
overprosperous
overprosperously
overprosperousness
overprotect
overprotected
overprotecting
overprotection
overprotective
overprotects
overprotract
overprotraction
overproud
overproudly
overproudness
overprove
overproved
overprovender
overprovide
overprovided
overprovident
overprovidently
overprovidentness
overproviding
overproving
overprovision
overprovocation
overprovoke
overprovoked
overprovoking
overprune
overpruned
overpruning
overpsychologize
overpsychologized
overpsychologizing
overpublic
overpublicity
overpublicize
overpublicized
overpublicizing
overpuff
overpuissant
overpuissantly
overpunish
overpunishment
overpurchase
overpurchased
overpurchasing
overput
overqualification
overqualified
overqualify
overqualifying
overquantity
overquarter
overquell
overquick
overquickly
overquiet
overquietly
overquietness
overrace
overrack
overrake
overraked
overraking
overran
overraneness
overrange
overrank
overrankness
overrapture
overrapturize
overrash
overrashly
overrashness
overrate
overrated
overrates
overrating
overrational
overrationalization
overrationalize
overrationalized
overrationalizing
overrationally
overraught
overravish
overreach
overreached
overreacher
overreachers
overreaches
overreaching
overreachingly
overreachingness
overreact
overreacted
overreacting
overreaction
overreactions
overreactive
overreacts
overread
overreader
overreadily
overreadiness
overreading
overready
overrealism
overrealistic
overrealistically
overreckon
overreckoning
overrecord
overreduce
overreduced
overreducing
overreduction
overrefine
overrefined
overrefinement
overrefines
overrefining
overreflection
overreflective
overreflectively
overreflectiveness
overregiment
overregimentation
overregister
overregistration
overregular
overregularity
overregularly
overregulate
overregulated
overregulating
overregulation
overrelax
overreliance
overreliant
overreligion
overreligiosity
overreligious
overreligiously
overreligiousness
overremiss
overremissly
overremissness
overrennet
overrent
overreplete
overrepletion
overrepresent
overrepresentation
overrepresentative
overrepresentatively
overrepresentativeness
overrepresented
overrepress
overreprimand
overreserved
overreservedly
overreservedness
overresist
overresolute
overresolutely
overresoluteness
overrestore
overrestrain
overrestraint
overrestrict
overrestriction
overretention
overreward
overrich
overriches
overrichly
overrichness
overrid
overridden
override
overrider
overrides
overriding
overrife
overrigged
overright
overrighteous
overrighteousness
overrigid
overrigidity
overrigidly
overrigidness
overrigorous
overrigorously
overrigorousness
overrim
overriot
overripe
overriply
overripen
overripeness
overrise
overrisen
overrising
overroast
overroasted
overroasting
overroasts
overrode
overroll
overromanticize
overromanticized
overromanticizing
overroof
overrooted
overrose
overrough
overroughly
overroughness
overroyal
overrudder
overruddely
overruddened
overruddness
overruff
overruffled
overruffing
overruffs
overrule
overruled
overruleder
overrules
overruling
overrulingly
overrun
overrunner
overrunning
overrunningly
overruns
overrush
overrusset
overrust
overs
oversacrificial
oversacrificially
oversacrificialness
oversad
oversadly
oversadness
oversaid
oversail
oversale
oversales
oversaliva
oversalt
oversalted
oversalting
oversalts
oversalty
oversand
oversanded
oversanguine
oversanguinely
oversanguineness
oversapless
oversate
oversated
oversatiety
oversating
oversatisfy
oversaturate
oversaturated
oversaturating
oversaturation
oversauce
oversauciness
oversaucy
oversave
oversaved
oversaves
oversaving
oversaw
oversay
overscare
overscatter
overscented
oversceptical
oversceptically
overscepticalness
overscepticism
overscore
overscored
overscoring
overscour
overscratch
overscrawl
overscream
overscribble
overscrub
overscrubbed
overscrubbing
overscruple
overscrupled
overscrupling
overscrupulosity
overscrupulous
overscrupulously
overscrupulousness
oversurf
overscutched
oversea
overseal
overseam
overseamer
oversearch
overseas
overseason
overseasoned
overseated
oversecrete
oversecreted
oversecreting
oversecretion
oversecure
oversecured
oversecurely
oversecuring
oversecurity
oversedation
oversee
overseed
overseeded
overseeding
overseeds
overseeing
overseen
overseer
overseerism
overseers
overseership
oversees
oversee the
overseing
oversell
overselling
oversells
oversend
oversensibility
oversensible
oversensibleness
oversensibly
oversensitive
oversensitively
oversensitiveness
oversensitivity
oversensitize
oversensitized
oversensitizing
oversententious
oversentimental
oversentimentalism
oversentimentality
oversentimentalize
oversentimentalized
oversentimentalizing
oversentimentally
overserene
overserenely
overserenity
overserious
overseriously
overseriousness
overservice
overservile
overservilely
overservileness
overservility
overset
oversets
oversetter
oversetting
oversettle
oversettled
oversettlement
oversettling
oversevere
overseverely
oversevereness
overseverity
oversew
oversewed
oversewing
oversewn
oversews
oversexed
overshade
overshaded
overshading
overshadow
overshadowed
overshadower
overshadowing
overshadowingly
overshadowment
overshadows
overshake
oversharp
oversharpness
overshaved
overshoe
overshelving
overshepherd
overshine
overshined
overshining
overshirt
overshoe
overshoes
overshone
overshoot
overshooting
overshoots
overshort
overshorten
overshortly
overshortness
overshot
overshots
overshoulder
overshowered
overshrink
overshroud
oversick
overside
oversides
oversight
oversight's
oversights
oversigned
oversile
oversilence
oversilent
oversilently
oversilentness
oversilver
oversimple
oversimpleness
oversimplicity
oversimplification
oversimplifications
oversimplified
oversimplifies
oversimplify
oversimplifying
oversimply
oversize
oversized
oversizes
oversizing
overskeptical
overskeptically
overskepticalness
overskepticism
overskim
overskip
overskipper
overskirt
overslack
overslander
overslaugh
overslaughed
overslaughing
overslavish
overslavishly
overslavishness
oversleep
oversleeping
oversleeps
oversleeve
overslept
overslid
overslidden
overslide
oversliding
overslight
overslip
overslipped
overslapping
overslips
overslipt
overslop
overslope
overslow
overslowly
overslowness
overslur
oversmall
oversman
oversmite
oversmitten
oversmoke
oversmooth
oversmoothly
oversmoothness
oversness
oversnow
oversoak
oversoaked
oversoaking
oversoaks
oversoap
oversoar
oversocial
oversocialize
oversocialized
oversocializing
oversocially
oversock
oversoft
oversoften
oversoftly
oversoftness
oversold
oversolemn
oversolemnity
oversolemnly
oversolemnness
oversolicitous
oversolicitously
oversolicitousness
oversolidification
oversolidified
oversolidify
oversolidifying
oversoon
oversoothing
oversoothingly
oversophisticated
oversophistication
oversorrow
oversorrowed
oversorrowful
oversorrowfully
oversorrowfulness
oversot
oversoul
overspill
overspilled
overspilling
overspilt
overspin
overspins
oversplash
overspoke
overspoken
overspread
overspreading
overspreads
overspring
oversprinkle
oversprung
overspun
oversqueak
oversqueamish
oversqueamishly
oversqueamishness
overshot
overstaff
overstaid
overstain
overstale
overstalely
overstaleness
overstalled
overstand
overstanding
overstarch
overstaring
overstate
overstated
overstately
overstatement
overstatement's
overstatements
overstates
overstating
overstay
overstayal
overstayed
overstaying
overstays
oversteadfast
oversteadfastly
oversteadfastness
oversteadily
oversteadiness
oversteady
oversteer
overstep
overstepped
overstepping
oversteps
overstiff
overstiffen
overstiffly
overstiffness
overstifle
overstimulate
overstimulated
overstimulates
overstimulating
overstimulation
overstimulative
overstimulatively
overstimulativeness
overstir
overstirred
overstirring
overstirs
overstitch
overstock
overstocked
overstocking
overstocks
overstood
overstoop
overstopping
overstore
overstored
overstoring
overstory
overstout
overstoutly
overstoutness
overstowage
overstowed
overstraight
overstraighten
overstraightly
overstraightness
overstrain
overstrained
overstraining
overstrait
overstraiten
overstraitly
overstraitness
overstream
overstrength
overstrengthen
overstress
overstressed
overstretch
overstretched
overstretches
overstretching
overstrew
overstrewed
overstrewing
overstrewn
overstricken
overstrict
overstrictly
overstrictness
overstridden
overstride
overstridence
overstridency
overstrident
overstridently
overstridentness
overstriding
overstrike
overstrikes
overstriking
overstring
overstringing
overstrive
overstriven
overstriving
overstrode
overstrong
overstrongly
overstrongness
overstrove
overstruck
overstrung
overstud
overstudied
overstudious
overstudiously
overstudiousness
overstudy
overstudying
overstuff
overstuffed
oversublime
oversubscribe
oversubscribed
oversubscriber
oversubscribes
oversubscribing
oversubscription
oversubtle
oversubtle
oversubtleties
oversubtlety
oversubtly
oversufficiency
oversufficient
oversufficiently
oversum
oversup
oversuperstitious
oversuperstitiously
oversuperstitiousness
oversupped
oversupping
oversupplied
oversupplies
oversupply
oversupplying
oversups
oversure
oversured
oversurely
oversureness
oversurety
oversurge
oversuring
oversurviving
oversusceptibility
oversusceptible
oversusceptibleness
oversusceptibly
oversuspicious
oversuspiciously
oversuspiciousness
overswarm
overswarming
overswarth
oversway
oversweated
oversweep
oversweet
oversweeten
oversweetly
oversweetness
overswell
overswelld
overswelling
overswift
overswim
overswimmer
overswing
overswinging
overswirling
overswollen
oversystematic
oversystematically
oversystematicalness
oversystematize
oversystematized
oversystematizing
overt
overtakable
overtake
overtaken
overtaker
overtakers
overtakes
overtaking
overtalk
overtalkative
overtalkatively
overtalkativeness
overtalker
overtame
overtamely
overtameness
overtapped
overtare
overtariff
overtarry
overtart
overtartly
overtartness
overtask
overtasked
overtasking
overtasks
overtaught
overtax
overtaxation
overtaxed
overtaxes
overtaxing
overteach
overteaching
overtechnical
overtechnicality
overtechnically
overtedious
overtediously
overtediousness
overteem
overtell
overtelling
overtempt
overtenacious
overtenaciously
overtenaciousness
overtenacity
overtender
overtenderly
overtenderness
overtense
overtensely
overtenseness
overtension
overterrible
overtest
overtheatrical
overtheatrically
overtheatricalness
overtheorization
overtheorize
overtheorized
overtheorizing
overthick
overthickly
overthickness
overthin
overthink
overthinly
overthinness
overthought
overthoughtful
overthoughtfully
overthoughtfulness
overthrew
overthriftily
overthriftiness
overthrifty
overthrown
overthrow
overthrowable
overthrowal
overthrower
overthrowers
overthrowing
overthrown
overthrows
overthrust
overthwart
overthwartarchaic
overthwartly
overthwartness
overthwartways
overthwartwise
overtide
overtight
overtightly
overtightness
overtill
overtilt
overtimbered
overtime
overtime
overtimer
overtimes
overtimid
overtimidity
overtimidly
overtimidness
overtiming
overtimorous
overtimorously
overtimorousness
overtinsel
overtinsceled
overtinseling
overtrample
overtravel
overtread
overtreading
overtreatment
overtrick
overtrim
overtrimme
overtrimmed
overtrimming
overtrims
overtrod
overtrodden
overtrouble
overtroubled
overtroubling
overtrue
overtruly
overtrump
overtrust
overtrustful
overtrustfully
overtrustfulness
overtrustening
overtruthful
overtruthfully
overtruthfulness
overtumble
overture
overture's
overtured
overtures
overturing
overtur
overturable
overturnd
overturmer
overturning
overturs
overtutor
overtwine
overtwist
overtype
overtyped
overuberous
overunionize
overunionized
overunionizing
overunsuitable
overurbanization
overurbanize
overurbanized
overurbanizing
overurge
overurged
overurges
overurging
overuse
overused
overuses
overusing
overusual
overusually
overvaliant
overvaliantly
overvaliantness
overvaluable
overvaluableness
overvaluably
overvaluation
overvalue
overvalued
overvalues
overvaluing
overvariation
overvaried
overvariety
overvary
overvarying
overvault
overvehemence
overvehement
overvehemently
overvehementness
overveil
overventilate
overventilated
overventilating
overventilation
overventuresome
overventurous
overventuously
overventurousness
overview
overview's
overviews
overvigorous
overvigorously
overvigorouslyness
overviolent
overviolently
overviolentness
overvoltage
overvote
overvoted
overvotes
overvoting
overwade
overwages
overwake
overwalk
overwander
overward
overwarily
overwariness
overwarm
overwarmed
overwarming
overwarms
overwart
overwary
overwash
overwasted
overwatch
overwatcher
overwater
overwave
overway
overweak
overweakly
overweakness
overwealth
overwealthy
overweaponed
overwear
overwared
overwearing
overwears
overweary
overwearying
overweather
overweave
overweb
overween
overweened
overweener
overweening
overweeningly
overweeningness
overweens
overweep
overweigh
overweighed
overweighing
overweighs
overweight
overweightage
overweighted
overweighting
overwell
overwelt
overwend
overwent
overwet
overwetness
overwets
overwetted
overwetting
overwheel
overwhelm
overwhelmed
overwhelmer
overwhelming
overwhelmingly
overwhelmingness
overwhelms
overwhip
overwhipped
overwhipping
overwhirl
overwhisper
overwide
overwidely
overwideness
overwild
overwildly
overwildness
overwilily
overwilling
overwillingly
overwillingness
overwily
overwin
overwind
overwinding
overwinds
overwing
overwinning
overwinter
overwintered
overwintering
overwiped
overwisdom
overwise
overwisely
overwithered
overwoman
overwomanize
overwomanly
overwon
overwood
overwooded
overwoody
overword
overwords
overwore
overwork
overworked
overworking
overworks
overworld
overworn
overworry
overworship
overwound
overwove
overwoven
overwrap
overwrest
overwrested
overwrestle
overwrite
overwrites
overwriting
overwritten
overwrote
overwroth
overwrought
overwrought
overyear
overyoung
overyouthful
overzeal
overzealous
overzealously
overzealousness
overzeals
ovest
overwound
ovey
ovibos
ovibovine
ovicapsular
ovicapsule
ovicell
ovicellular
ovicidal
ovicide
ovicides
ovicular
oviculated
oviculum
ovicyst
ovicystic
ovid
ovidian
oviducal
oviduct
oviductal
oviducts
oviferous
ovification
oviform
ovigenesis
ovigenetic
ovigenic
ovigenous
oviger
ovigerous
ovile
ovine
ovines
ovinia
ovipara
oviparal
oviparity
oviparous
oviparously
oviparousness
oviposit
oviposited
ovipositing
oviposition
ovipositional
ovipositor
oviposits
ovisae
ovisaclike
ovisacs
oviscapt
ovism
ovispermary
ovispermiduct
ovist
ovistic
ovivorous
ovocyte
ovoelliptic
ovoflavin
ovogenesis
ovogenetic
ovogenous
ovoglobulin
ovogonium
ovoid
ovoidal
ovoids
ovolemma
ovoli
ovolo
ovological
ovologist
ovology
ovolos
ovolytic
ovomucoid
ovonic
ovonics
ovoplasm
ovoplasmic
ovopyriform
ovorhomboid
ovorhomboidal
ovotesticular
ovotestis
oxalate
oxalated
oxalates
oxalating
oxalato
oxaldehyde
oxalemia
oxalic
oxalidaceous
oxalis
oxalises
oxalite
oxaloacetate
oxaloacetic
oxalodiacetic
oxalonitril
oxalonitrile
oxaluramid
oxaluramide
oxalurate
oxaluria
oxaluric
oxalyl
oxalylurea
oxamate
oxamethane
oxamic
oxamid
oxamide
oxamidin
oxamidine
oxammite
oxan
oxanate
oxane
oxanic
oxanilate
oxanilic
oxanilide
oxazin
oxazine
oxazines
oxazole
oxbane
oxberries
oxberry
oxbiter
oxblood
oxbloods
oxbow
oxbows
oxboy
oxbrake
oxcart
oxcarts
oxcheek
oxdiacetic
oxdiazole
oxea
oxeate
oxen
oxeote
oxer
oxes
oxetone
oxeye
oxeyes
oxfly
oxford
oxfords
oxgall
oxgang
oxgate
oxgoad
oxharrow
oxhead
oxheal
oxheart
oxhearts
oxherd
oxhide
oxhoft
oxhorn
oxhouse
oxhuvud
oxid
oxidability
oxidable
oxidant
oxidants
oxidase
oxidases
oxidasic
oxidate
oxidated
oxidates
oxidating
oxidation
oxidational
oxidations
oxidative
oxidatively
oxidator
oxide
oxide's
oxides
oxidic
oxidimetric
oxidimetry
oxidise
oxidised
oxidiser
oxidisers
oxidises
oxidising
oxidizability
oxidizable
oxidation
oxidations
oxidize
oxidized
oxidizement
oxidizer
oxidizers
oxidizes
oxidizing
oxidoreductase
oxidoreduction
oxids
oxidulated
oxim
oximate
oximation
oxime
oximes
oximeter
oximetric
oximetry
oxims
oxindole
oxland
oxlike
oxlip
oxlips
oxman
oxmanship
oxoindoline
oxonian
oxonic
oxonium
oxozone
oxozonide
oxozonides
oxpecker
oxpeckers
oxphony
oxreim
oxshoe
oxskin
oxtail
oxtails
oxtor
oxters
oxtongue
oxtongues
oxwort
oxy
oxyacanthin
oxyacanthine
oxyacanthous
oxyacetylene
oxyacid
oxyacids
oxyaldehyde
oxyamine
oxyanthracene
oxyanthraquinone
oxyaphia
oxyaster
oxyazo
oxybapha
oxybaphon
oxybenzaldehyde
oxybenzene
oxybenzoic
oxybenzyl
oxyberberine
oxyblepsia
oxybromide
oxybutyria
oxybutyric
oxycalcium
oxycalorimeter
oxycamphor
oxycaproic
oxycarbonate
oxycellulose
oxycelphalic
oxycelphalism
oxycelphalous
oxycelphaly
oxycelchlorate
oxycelchoric
oxycelchlorid
oxycelchloride
oxycelchorine
oxycelcholesterol
oxycelchromatic
oxycelchromatin
oxycelchromatinic
oxycelcinnamic
oxycelcobaltammine
oxycelcopicivic
oxycelcoumarin
oxycelcrate
oxycelaynine
oxycelaynactyl
oxycelase
oxycelasingic
oxycelastingion
oxycelastict
oxycelayesthesia
oxycelather
oxycelyethyl
oxycelyfatty
oxycelyfluoride
oxycelygas
oxycelygen
oxycelygenant
oxycelygenase
oxycelygenate
oxycelygenated
oxycelygenates
oxycelygenating
oxycelygenation
oxycelygenator
oxycelygenator
oxycelygenic
oxycelygenicity
oxygenium
oxygenizable
oxygenization
oxygenize
oxygenized
oxygenizement
oxygenizer
oxygenizing
oxygenless
oxygenous
oxygens
oxygeusia
oxygnathous
oxygen
oxygonal
oxygonial
oxyhaematin
oxyhaemoglobin
oxyhalide
oxyhaloid
oxyhematin
oxyhemocyanin
oxyhemoglobin
oxyhexactine
oxyhexaster
oxyhydrate
oxyhydric
oxyhydrogen
oxyiodide
oxyketone
oxyl
oxyluciferin
oxyluminescence
oxyluminescent
oxymandelic
oxymel
oxymethylene
oxymomora
oxymora
oxymoron
oxymoronic
oxymuriate
oxymuriatic
oxynaphthoic
oxynaphthoquinone
oxynarcotine
oxyneurin
oxyneurine
oxynitrate
oxyntic
oxyophitic
oxyopia
oxyopy
oxyosphresia
oxypetalous
oxyphenol
oxyphenyl
oxyphil
oxyphile
oxyphiles
oxyphilic
oxyphilous
oxyphils
oxyphonia
oxyphony
oxyphosphate
oxyphthalic
oxyphyllous
oxyphyte
oxypicric
oxyproline
oxypropionic
oxypurine
oxypycnos
oxyquinaseptol
oxyquinoline
oxyquinone
oxyrhine
oxyrhinous
oxyrhyynch
oxyrhyynchid
oxyrhythchous
oxyrhythchus
oxyrrhythchid
oxysalicylic
oxysalt
oxysalts
oxysome
oxysomes
oxystearic
oxystomatous
oxystome
oxysulfid
oxysulfide
oxysulphate
oxysulphid
oxysulphide
oxyterpene
oxytetracycline
oxytocia
oxytocic
oxytocics
oxytocin
oxytocins
oxytocous
oxytoluene
oxytoluic
oxytone
oxytones
oxytonesis
oxytonic
oxytonical
oxytonize
oxytylotate
oxytylote
oxyuriasis
oxyuricide
oxyurid
oxyurous
oxywelding
oy
oyapock
oyelet
oyer
oyers
oyes
oyesses
oyez
oylet
oyster
oyster's
oysterage
oysterbird
oystercatcher
oystered
oysterer
oysterers
oysterfish
oysterfishes
oystergreen
oysterhood
oysterhouse
oysteries
oystering
ozonolysis
ozonometer
ozonometry
ozonoscope
ozonoscopic
ozonosphere
ozonospheric
ozonous
ozophen
ozophene
ozostomia
ozotype
ozs
p
p’s
pa
paal
paaneleinrg
paar
paaraphimosis
paas
paauw
paawkier
paba
pabulum
pabble
pablo
pabum
pabouch
pabular
pabulary
pabulation
pabulatory
pabulous
pabulum
pabulums
pac
paca
pacable
pacane
pacas
pacate
pacately
pacation
pacative
pacay
pacaya
paccha
pachionian
paccioli
pace
paceboard
paced
pacemake
pacemaker
pacemakers
pacemaking
pacer
pacers
paces
pacesetter
pacesetters
pacesetting
paceway
pacha
pachadom
pachadoms
pachak
pachalic
pachalics
pachanga
pachas
pachinko
pachisi
pachisis
pachnolite
pachometer
pachouli
pachoulis
pachuco
pachuco
pachucos
pachyacria
pachyaemia
pachyblepharon
pachycearpous
pachycephal
pachycephalia
pachycephalic
pachycephalous
pachycephaly
pachychilia
pachycholia
pachychymia
pachycladous
pachydactyl
pachydactyrous
pachydactyly
pachyderm
pachyderma
pachydermal
pachydermata
pachydermateous
pachydermatocele
pachydermatoid
pachydermatosis
pachydermatous
pachydermatously
pachydermia
pachydermial
pachydermic
pachydermoid
pachydermous
pachyderms
pachyemia
pachyglossal
pachyglossate
pachyglossia
pachyglossous
pachyhaemia
pachyhaemic
pachyhaemous
pachyhematous
pachyhemia
pachyhymenia
pachyhymenic
pachylosis
pachymeria
pachymeric
pachymeningitic
pachymeningitis
pachymeninx
pachymeter
pachynathous
pachynema
pachynysis
pachyntic
pachyodont
pachyodontic
pachypod
pachypodous
pachypterous
pachyrhynchous
pachysalpingitis
pachysandra
pachysandras
pachysaurian
pachysomia
pachysomous
pachystichous
pachyteke
pachytrichous
pachyvaginitis
pacifiable
pacific
pacific
pacifica
pacifical
pacifically
pacificate
pacificated
pacificating
pacification
pacificator
pacificatory
pacificism
pacificist
pacificistic
pacificistically
pacificity
pacifico
pacificos
pacified
pacifier
pacifiers
pacifies
pacifism
pacifisms
pacifist
pacifistic
pacifistically
pacifists
pacify
pacifying
pacifyingly
pacing
pacinian
pacinko
pack
packability
paddlelike
paddler
paddlers
paddles
paddlewood
paddling
paddlings
paddock
paddocked
paddocking
paddockride
paddocks
paddockstone
paddockstool
paddoing
paddy
paddymbird
paddymelon
paddywack
paddywatch
paddywhack
padelion
padella
pademelon
padesoy
padeye
padeyes
padfoot
padge
padige
padishah
padishahs
padle
pades
paddlelike
padlock
padlocked
padlocking
padlocks
padmasana
padmelon
padmin
padnag
padnags
padou
padouk
padouks
padpiece
padre
padres
padri
padrino
padroadist
padroado
padrona
padrone
padrones
padroni
padronism
pads
padsaw
padshah
padshahs
padstone
padtree
paduasoy
paduasoy
paean
paeanism
paeanisms
paeanize
paeanized
paeanizing
paean
paedagogic
paedagogism
paedagogue
paedagogy
paedarchy
paedatrophia
paedatrophy
paederast
paederastic
paederastically
paederasty
paedeutics
paediatric
paediatrician
paediatrics
paediatri
paedobaptism
paedobaptist
paedogenesis
paedogenetic
paedogenic
paedological
paedologist
paedology
paedometer
paedometrical
paedomorphic
paedomorphism
paedomorphosis
paedonymic
paedonymy
paedophilia
paedopsychologist
paedotribe
paedotrophic
paedotrophist
paedotrophy
paegel
paegle
paella
paellas
paenula
paenulae
paenulas
pacon
paconic
paconin
pacons
pacony
paconulae
paepae
paesano
paetrick
paga
pagador
pagan
pagan's
pagandom
pagandoms
paganic
paganical
paganically
paganisation
paganise
paganised
paganiser
paganises
paganish
paganishly
paganising
paganism
paganisms
paganist
paganistic
paganists
paganity
paganization
paganize
paganized
paganizer
paganizes
paganizing
paganly
paganry
pagans
pagatpat
page
page's
pageant
pageant's
pageanted
pageanteer
pageantic
pageanties
pageantry
pageants
pageboy
pageboys
paged
pagedom
pageful
pagehood
pageless
pagelike
pager
pagers
pages
pageship
pagesize
paggle
pagina
paginae
paginal
paginary
paginate
paginated
paginates
paginating
pagination
pagine
paging
pagiopod
pagne
pagnes
pagod
pagoda
pagodalike
pagodas
pagodite
pagods
pagoscope
pagrus
pagurian
pagurians
pagurid
pagurids
pagurine
paguroid
pagus
pah
paha
pahachroma
pahautea
pahi
pahlavi
pahlavis
pahlevi
palmi
paho
pahoehoe
pahos
pahutan
paiche
paid
paideta
paideutic
paideutics
paidle
paidological
paidologist
paidology
paidonosology
paigle
pajama
paik
paiked
paiker
paint
paintability
paintable
paintableness
paintably
paintbox
paintbrush
paintbrushes
painted
paintedness
painter
painterish
painterlike
painterliness
painterly
painters
paintership
paintier
paintiest
paintiness
painting
paintingness
paintings
paintless
paintpot
paintproof
paintress
paintrix
paintroot
pantry
paints
painture
painty
paiock
paiocke
paip
pair
paired
airedness
pairer
pairial
pairing
pairings
pairle
pairmasts
pairment
pairs
pairt
palaearctic
palaeechinoid
palaeechinoidean
palaentomology
palaethnologic
palaethnological
palaethnologist
palaechthyian
palaechthyic
palaemonid
palaemonoid
palaeoalchemical
palaeanthropic
palaeanthropography
palaeanthropology
palaeataivism
palaeatavistic
palaebiogeography
palaebiologic
palaebiological
palaebiologist
palaebiology
palaebotanic
palaebotanical
palaebotanically
palaebotanist
palaebotany
palaeeceanography
palaeechorology
palaeeclimatic
palaeeclimatologic
palaeeclimatological
palaeeclimatologist
palaeeclimatology
palaeeosomic
palaeeosomology
palaeeocrystal
palaeeocrystallic
palaeeocrystalline
palaeeocrystic
palaeeocyclic
palaeeodendrologic
palaeeodendrological
palaeeodendrologically
palaeeodendrologist
palaeeodendrology
palaeeodictyopteran
palaeodictyopteron
palaeodictyopterous
palaeoeologic
palaeoecological
palaeoecologist
palaeoecology
palaeoencephala
palaeoencephalon
palaeoentomologic
palaeoentomological
palaeoentomologist
palaeoentomology
palaeoeremology
palaeoethnic
palaeoethnobotany
palaeoethnologic
palaeoethnological
palaeoethnologist
palaeoethnology
palaeofauna
palaeogene
palaeogenesis
palaeogenetic
palaeogeographic
palaeogeographical
palaeogeographically
palaeogeography
palaeoglaciology
palaeoglyph
palaeognathic
palaeognathous
palaeograph
palaeographer
palaeographic
palaeographical
palaeographically
palaeographist
palaeography
palaeoherpetologist
palaeoherpetology
palaeohistology
palaeohydrography
palaeolatry
palaeolimnology
palaeolith
palaeolithic
palaeolithical
palaeolithist
palaeolithoid
palaeolithy
palaeological
palaeologist
palaeology
palaeomagnetism
palaeomastodon
palaeometallic
palaeometeorological
palaeometeorology
palaeonemertean
palaeonemertine
palaeoniscid
palaeoniscoid
palaeontographic
palaeontographical
palaeontology
palaeontol
palaeontologic
palaeontological
palaeontologically
palaeontologies
palaeontologist
palaeontology
palaeopathology
palaeopedology
palaeophile
palaeophilist
palaeophis
palaeophysiology
palaeophysiology
palaeophytic
palaeophytological
palaeophytologist
palaeophytology
palaeoplain
palaeopotamology
palaeopsychic
palaeopsychological
palaeopsychology
palaeoptychology
palaeornithine
palaeornithological
palaeornithology
palaeosaur
palaeosaurus
palaeosophy
palaeospondylus
palaeostracan
palaeostratal
palaeostriatum
palaeostylic
palaeostyly
palaeotechnic
palaeothalamus
palaeothere
palaeotherian
palaeotheriodont
palaeotheriod
palaeotropical
palaeotype
palaeotypic
palaeotypical
palaeotypically
palaeotypographic
palaeotypographical
palaeotypographist
palaeotypography
palaeovolcanic
palaeozoic
palaeozoologic
palaeozoological
palaeozoologist
palaeozoology
palaestra
palaestrae
palaestral
palaestras
palaestrian
palaestric
palaestrics
palaetiological
palaetiologist
palaetiology
palafitte
palagonite
palagonitic
palaiotype
palais
palaiste
palaite
palaka
palala
palama
palamae
palamate
palame
palamedean
palampore
palander
palank
palanka
palankeen
palankeened
palankeener
palankeening
palankeeningly
palanquin
palanquined
palanquiner
palanquining
palanquiningly
palanquins
palapala
palapalai
palar
palas
palatability
palatable
palatableness
palatably
palatal
palatalism
palatality
palatalization
palatalize
palatalized
palatally
palatals
palate
palate's
palated
palateful
palatefulness
palateless
palatelike
palates
palatia
palatial
palatially
palatialness
palatian
palatic
palatinal
palatinate
palatinates
palatine
palatines
palatineship
palatinite
palation
palatist
palatitis
palatium
palative
palatization
palatize
palatoalveolar
palatodental
palatoglossal
palatoglossus
palatognathous
palatogram
palatograph
palatography
palatomaxillary
palatometer
palatonasal
palatopharyngeal
palatopharyngeus
palatoplasty
palatoplegia
palatopterygoid
palatoquadrate
palatorrhaphy
palatoschisis
palaver
palavered
palaverer
palavering
palaverist
palaverment
palaverous
palavers
palay
palayan
palazzi
palazzo
palberry
palch
pale
palea
paleaceous
paleae
paleal
paleanthropic
paleate
paleberry
palebread
palebuck
palechinoid
paled
paledness
paleencephala
paleencephalon
paleencephalons
paleentomology
paleethnographer
paleethnologic
paleethnological
paleethnologist
paleethnology
paleface
palefaces
palegold
palehearted
paleichthyologic
paleichthyologist
paleichthyology
paleiform
paley
paleness
palenesses
paleoalchemical
paleoandesite
paleoanthropic
paleoanthropography
paleoanthropological
paleoanthropologist
paleoanthropology
paleoatavism
paleoatavistic
paleobiogeography
paleobiologic
paleobiological
paleobiologist
paleobiology
paleobotanic
paleobotanical
paleobotanically
paleobotanist
paleobotany
paleoceanography
paleocene
paleochorologist
paleochorology
paleoclimatic
paleoclimatologic
paleoclimatological
paleoclimatologist
paleoclimatology
paleocosmic
paleocosmos
paleocrystal
paleocrystallic
paleocrystalline
paleocrystic
paleocyclic
paleodendrologic
paleodendrological
paleodendrologically
paleodendrologist
paleodendrology
paleodentrologist
paleodentrology
paleoenchephalon
paleoenomolog
paleoenomological
paleoenomologist
paleoeremology
paleoethnic
paleoethnography
paleoethnologic
paleoethnological
paleoethnologist
paleoethnology
paleofauna
paleog
paleogenesis
paleogenetic
paleogeographic
paleogeographical
paleogeographically
paleogeography
paleogeologic
paleoglaciologist
paleoglaciology
paleoglyph
paleograph
paleographer
paleographers
paleographic
paleographical
paleographist
paleography
paleoherpetologist
paleoherpetology
paleohistology
paleohydrography
paleoichthyology
paleokinetic
paleola
paleolate
paleolatry
paleolimnology
paleolith
paleolithic
paleolithical
paleolithist
paleolithoid
paleolithy
paleological
paleologist
paleology
paleomagnetic
paleomagnetically
paleomagnetism
paleomagnetist
paleomammalogy
paleomammologist
paleomammology
paleometallic
paleometerological
paleometerologist
paleometerology
paleon
paleontographic
paleontographical
paleontography
paleontol
paleontologic
paleontological
paleontologically
paleontologies
paleontologist
paleontologists
paleontology
paleopathologic
paleopathological
paleopathologist
paleopathology
paleopedology
paleophysiology
paleophysiologist
paleophysiology
paleophytic
paleophytological
paleophytologist
paleophytology
paleopicrite
paleoplain
paleopotamology
paleopotamology
paleopsychic
paleopsychological
paleopsychology
paleornithological
paleornithologist
paleornithology
paleostriatal
paleostriatum
paleostylic
paleostyly
paleotechnic
paleothalamus
paleothermal
paleothermic
paleovolcanic
paleoytterbium
paleozoic
paleozoologic
paleozoological
paleozoologist
paleozoology
paler
paleron
pales
palest
palestine
palestinian
palestinians
palestra
palestrae
palestral
palestras
palestinian
palestric
palet
paetiology
paletot
paletots
palets
palette
palettelike
palettes
paletz
palew
paleways
palewise
palfgeys
palfrenier
palfrey
palfreyed
palfreys
palfry
palgat
pali
palier
paliest
palification
paliform
paligorskite
palikar
palikarism
palikars
palikinesia
palila
palilalia
palillogia
palilogetic
palilogy
palimbacchic
palimbacchius
palimony
palimpsest
palimpsestic
palimpsests
palimpsest
palinal
palindrome
palindromes
palindromic
palindromical
palindromically
palindromist
paling
palingenesia
palingenesian
palingenesis
palingenesist
palingenesy
palingenetic
palingenetically
palingenic
palingenist
palingeny
palings
palinode
palinoded
palinodes
palinodial
palinodic
palinodist
palinody
palinopic
palinurid
palinuroid
paliphrasia
palirrhoea
palis
palisade
palisaded
palisades
palisading
palisado
palisadoed
palisadoes
palisadoing
palisander
palisfy
palish
palisse
palistrophia
palkee
palki
pall
pallia
pallial
palliament
palliard
palliasse
palliata
palliate
palliated
palliates
palliating
palliation
palliations
palliative
palliatively
palliator
palliatory
pallid
pallidiflorous
pallidipalpate
palliditarsate
pallidity
pallidiventrate
pallidly
pallidness
pallier
pallies
palliest
palliness
palling
palliobranchiate
palliocardiac
pallioessexite
pallion
palliopedal
palliostatus
palliser
pallium
palliums
pallograph
pallographic
pallometric
pallone
pallor
pallors
palls
pallywise
pally
palm
palma
palmaceous
palmad
palmanesthesia
palmar
palmarian
palmaris
palmary
palmate
palmated
palmately
palmatifid
palmatiform
palmatilobate
palmatilobed
palmation
palmatiparted
palmatipartite
palmatisect
palmatisected
palmature
palmchrist
palmcrist
palmed
palmellaceous
palmelloid
palmer
palmeries
palmerin
palmerite
palmers
palmerworm
palmary
palmesthesia
palmette
palmettes
palmetto
palmettoes
palmettos
palmetum
palmful
palmic
palmicoleus
palmicolous
palmier
palmiest
palmiferous
palmification
palmiform
palmigra
palmilla
palmillo
palmilobate
palmilobated
palmilobed
palmin
palminervate
palminerved
palming
palmiped
palmipes
palmira
palmist
palmiste
palmister
palmistry
palmists
palmitate
palmite
palmitic
palmitín
palmitine
palmitinical
palmitins
palmito
palmitoleic
palmitone
palmitos
palmitveined
palmivorous
palmlike
palmo
palmodic
palmoscopy
palmospasmus
palms
palmula
palmus
palmwise
palmwood
palmy
palmyra
palmyras
palolo
palolos
paloma
palombino
palometa
palomino
palominos
palooka
palookas
palosapis
palour
palouser
paloverde
palp
palpability
palpable
palpableness
palpably
palpacle
palpal
palpate
palpated
palpates
palpating
palpation
palpations
palpator
palpators
palpatory
palpebra
palpebrae
palpebral
palpebrate
palpebration
palpebritis
palped
palpi
palpicorn
palpifer
palpiferous
palpiform
palpiger
palpigerous
palpitant
palpitate
palpitated
palpitates
palpitating
palpitatingly
palpitation
palpitations
palpless
palpocil
palpon
palps
palpulus
palpus
pals
palsgraf
palsgrave
palsgravine
palsied
palsies
palsification
palsify
palstaff
palstave
palster
palsy
palsying
palsylike
palsywort
palt
palta
palter
paltered
palterer
palterers
paltering
palterly
palters
paltock
paltrier
paltriest
paltrily
paltriness
paltry
paludal
paludament
paludamenta
paludamentum
palude
paludial
paludian
paludic
paludicole
paludicoline
paludicolous
paludiferous
paludina
paludinal
paludine
paludinous
paludism
paludisms
paludose
paludous
paludrin
paludrine
palule
paluli
palulus
palus
palustral
palustrian
palustrine
paly
palynologic
palynological
palynologically
palynologist
palynology
palynomorph
pam
pamaceous
pamaquin
pamaquine
pambanmanche
pament
pameroon
pamhy
pamment
pampa
pampanito
pampas
pampean
pampeans
pamper
pampered
pamperedly
pamperedness
pamperer
pamperers
pampering
pamperize
pampero
pamperos
pampers
pamphagous
pampharmacon
pamphlet
pamphlet's
pamphletage
pamphletary
pamphleteer
pamphleteers
pamphleter
pamphletful
pamphletic
pamphletical
pamphletize
pamphletized
pamphletizing
pamphlets
pamphletwise
pamphrey
pamphysis
pamphysical
pamphysicism
pampilion
pampination
pampiniform
pampinocele
pamplegia
pampootee
pampoootie
pampre
pamprodactyl
pamprodactylism
pamprodactylous
pampsychism
pampsychist
pams
pan
pan's
panabase
panace
panacea
panacea's
panacean
panaceas
panaceist
panache
panached
panaches
panachure
panada
panadas
panade
panaesthesia
panaesthetic
panagia
panagiarion
panama
panamanian
panamanians
panamas
panapospory
panarchic
panarchy
panaris
panaritium
panarteritis
panarthritis
panary
panatela
panatelas
panatella
panatellas
panathenaea
panatrope
panatrophic
panatrophy
panautomorphic
panax
panbabylonian
panbabylonism
pancake
pancake's
pancaked
pancakes
pancaking
pancarditis
panchama
panchart
panchax
panchaxes
panchayat
panchayet
pancheon
panchion
panchreston
panchromatic
panchromatism
panchromatization
panchromatize
panchway
panelastic
panclastite
panconciliatory
pancosmic
pancosmism
pancosmist
pancratia
pancranian
pancratiast
pancratiastic
pancratic
pancratical
pancratically
pancration
pancratism
pancratist
pancratium
pancreas
pancreases
pancreatalgia
pancreatectomize
pancreatectomized
pancreatectomy
pancreatemphraxis
pancreathelcosis
pancreatic
pancreaticoduodenal
pancreaticoduodenostomy
pancreaticogastrostomy
pancreaticosplenic
pancreatin
pancreatism
pancreatitic
pancreatitis
pancreatization
pancreateize
pancreatoduodenectomy
pancreatoenterostomy
pancreatogenic
pancreatogenous
pancreatoid
pancreatolipase
pancreatolith
pancreatectomy
pancreatoncus
pancreatopathy
pancreatorrhagia
pancreatotomies
pancreatotomy
pancreectomy
pancreozymin
panctia
pancyclopedic
pand
panda
pandal
pandan
pandanaceous
pandani
pandanus
pandanuses
pandar
pandaram
pandaric
pandarus
pandas
pandation
pandava
pandean
pandect
pandects
pandemia
pandemian
pandemic
pandemicity
pandemics
pandemoniac
pandemoniacal
pandemonian
pandemonic
pandemonism
pandemonium
pandemy
pandenominational
pander
panderage
pandered
panderer
panderers
panderess
pandering
panderism
panderize
panderly
pandermite
panderous
panders
pandership
pandestruction
pandiabolism
pandiculation
pandied
pandies
pandit
pandita
pandits
pandle
pandlewhew
pandoor
pandoors
pandora
pandoras
pandre
pandroes
pandour
pandoura
pandours
pandowdies
pandowdy
pandrop
pandura
panduras
pandurate
pandurated
pandure
panduriform
pandy
pandybat
pandying
pane
pane's
paneclesiastical
paned
panegoism
panegoist
panegyre
panegyric
panegyrica
panegyrical
panegyrically
panegyricize
panegyric
panegyrics
panegyricon
panegyricum
panegyris
panegyrist
panegyrists
panegyri
panegyriized
panegyrier
panegyriizes
panegyrizing
panegyry
paneity
panel
panela
panelation
panelboard
paneled
paneler
paneless
paneling
panelings
panelist
panelist's
panelists
panellation
panelled
panelling
panellist
panels
panelwise
panelwork
panentheism
panes
panesthesia
panesthetic
panetela
panetelas
panetella
panetiere
panettone
panettones
panettoni
paneulogism
panfil
panfish
panfishes
panfry
panful
panfuls
pang
pang's
panga
pangamic
pangamous
pangamously
pangamy
pangane
pangara
pangas
pangasi
panged
pangen
pangene
panggenesis
pangenetic
pangenetically
pangenic
pangens
pangerang
pangful
pangi
panging
pangless
panglessly
panglima
pangolin
pangolins
pangrammatist
pangs
panguingue
panguingui
pangyrical
panhandle
panhandled
panhandler
panhandlers
panhandles
panhandling
panharmonic
panharmonicon
panhas
panhead
panheaded
panhellenic
panhematopenia
panhidrosis
panhuman
panhygrous
panhyperemia
panhypopituitarism
panhysterectomy
panic
panic's
panical
panically
panicful
panichthyophagous
panicked
panicier
panickiest
paniciness
panicking
panicky
panicle
panicled
panicles
paniclike
panicmonger
panicmongering
paniconograph
paniconographic
paniconography
panics
paniculate
paniculated
paniculately
paniculitis
panicum
panicums
panidiomorphic
panidrosis
panier
paniers
panification
panime
panimmunity
panini
paniolo
panion
panisc
panisca
paniscus
panisic
panisk
panivorous
panjabi
panjandrum
panjandrums
pank
pankin
pankration
panleucopenia
panleukopenia
panlogical
panlogism
panlogist
panlogistic
panlogistical
panlogistically
panman
panmelodicon
panmelodion
panmerism
panmeristic
panmixia
panmixias
panmixy
panmnesia
panmug
panmyelophthisis
pannade
pannag
pannage
pannam
pannationalism
panne
panned
pannel
pannellation
panner
pannery
pannes
panneuritic
panneuritis
pannicle
pannicular
panniculitis
panniculus
pannier
panniered
panpathy
panpharmacon
panphenomenalism
panphobia
panpipe
panpipes
panplegia
panpneumatism
panpolism
panpsychic
panpsychism
panpsychist
panpsychistic
pans
panscientist
pansciolism
pansciolist
pansclerosis
pansclerotic
panse
pansexism
pansexual
pansexualism
pansexualist
pansexuality
pansexualize
panshard
panside
pansideman
pansied
pansiere
pansies
pansified
pansinuitis
pansinusitis
pansit
pansmith
pansophic
pansophical
pansophically
pansophies
pansophism
pansophist
pansophy
panspermatism
panspermatist
panspermia
panspermic
pantascopic
pantatrophia
pantatrophy
pantatype
pantdress
pantechnic
pantechnicon
panted
pantelegraph
panteleography
panteleologism
pantelephone
pantelephonic
pantellerite
panter
panterer
panthea
pantheic
pantheism
pantheist
pantheistic
pantheistical
pantheistically
pantheists
panthelematism
pantheism
pantheologist
pantheology
pantheon
pantheonic
pantheonization
pantheonize
pantheons
panther
panther’s
pantheress
pantherine
pantherish
pantherlike
panthers
pantherwood
pantheum
pantie
panties
panthi Hose
pantile
pantiled
pantiles
pantiling
pantine
panting
pantingly
pantisocracy
pantisocrat
pantisocratic
pantisocratical
pantisocratist
pantle
pantler
panto
pantochrome
pantochromic
pantochromism
pantochronometer
pantod
pantoffle
pantofle
pantoffles
pantoganglitis
pantogelastic
pantoglossical
pantoglot
pantoglottism
pantograph
pantographer
pantographic
pantographical
pantographically
pantography
pantoiatrical
pantologic
pantological
pantologist
pantology
pantomancer
pantomania
pantometer
pantometric
pantometrical
pantometry
pantomime
pantomimed
pantomimes
pantomimic
pantomimical
pantomimically
pantomimicry
pantomiming
pantominish
pantominist
pantominists
pantomimus
pantomnesia
pantomnesic
pantomorph
pantomorphia
pantomorphic
panton
pantonial
pantonality
pantoon
pantopelagian
pantophagic
pantophagist
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy
pantophile
pantophobia
pantophobic
pantophagous
pantophagy

pantry
pantry's
pantryman
pantrymen
pantrywoman
pants
pantsuit
pantsuits
pantun
panty
pantyhose
pantywaist
pantywaists
panuelo
panuelos
panung
panure
panurge
panurgic
panurgy
panus
panyar
panzer
panzers
panzoism
panzootia
panzootic
panzooty
paolo
paon
paopao
pap
papa
papability
papable
papabot
papabote
papacies
papacy
papagallo
papagay
papagayo
papain
papains
papaio
papal
papalise
papalism
papalistic
papalistic
papalary
papalarization
papalize
papalizer
papally
papaloí
papalty
papane
papaphobia
papaphobist
papaprelatical
papaprelatist
paparazzi
paparazzo
paparchical
paparchy
papas
papaship
papaveraceous
papaverin
papaverine
papaverous
papaw
papaws
papaya
papayaceous
papayan
papayas
papayotin
papboat
pape
papegay
papelera
papeleras
papelon
papelonne
paper
paper's
paperasserie
paperback
paperback's
paperbacks
paperbark
paperboard
paperboards
paperbound
paperboy
paperboys
paperclip
papercutting
papered
paperer
paperers
paperful
papergirl
paperhanger
paperhangers
paperhanging
paperiness
papering
paperings
paperknife
paperknives
paperlike
papermaker
papermaking
papermouth
paperm
papers
papershell
paperweight
paperweights
paperwork
paperly
paperless
papereterie
papey
paphian
paphians
papical
papicolist
papier
papilionaceous
papilionid
papilionine
papilionoid
papilla
papillae
papillar
papillary
papillate
papillated
papillectomy
papilledema
papilliferous
papilliform
papillitis
papilloadenocystoma
papillocarcinoma
papilloedema
papilloma
papillomas
papillomata
papillomatosis
papillomatous
papillon
papillons
papilloretinitis
papillosarcoma
papillose
papillosity
papillote
papillosus
papillulate
papillule
papingo
papion
papiopio
papish
papisher
papism
papist
papistic
papistical
papistically
papistlike
papistly
papistries
papistry
papists
papize
papless
papliske
papmeat
papolater
papolatrous
papolatry
papoose
papooseroot
papooses
papoosh
papoula
papovavirus
pappain
pappenheimer
pappescent
pappi
pappier
pappies
pappiest
pappiferous
pappiform
pappoose
pappooses
pappose
pappous
pappox
pappus
pappy
pappyri
papreg
paprica
papricas
paprika
paprikas
papriks
paps
papua
papuan
papuans
papula
papulae
papulan
papular
papulate
papulated
papulation
papule
papules
papuliferous
papuloerythematous
papulopustular
papulopustule
papulose
papulosquamous
papulous
papulovesicular
papyr
papyraceous
papyral
papyrean
papyri
papyrian
papyrin
papyrine
papyritious
papyrocracy
papyrograph
papyrographer
papyrographic
papyrography
papyrological
papyrologist
papyrology
papyrophobia
papyroplastics
papyrotamia
papyrotint
papyrotype
papyrus
papyruses
paquet
par
para
paraaminobenzoic
parabanate
parabanic
parabaptism
parabaptization
parabasal
parabases
parabasic
parabasis
parabema
parabemata
parabematic
parabenzquinone
parabien
parabiosis
parabiotic
parabiologically
parablast
parablastic
parable
parabled
parablepsia
parablepsis
parablepsy
parableptic
parables
parabling
parabola
parabolanus
parabolas
parbole
parabolic
parabolical
parabolicalism
parabolically
paraboliness
paraboliform
parabolise
parabolised
parabolising
parabolist
parabolization
parabolize
parabolized
parabolizer
parabolizing
paraboloid
paraboloidal
parabomb
parabotulism
parabrake
parabranchia
parabranchial
parabranchiate
parabulia
parabulic
paracanthosis
paracarmine
paracasein
paracaseinate
paracelsian
paracenteses
paracentesis
paracentral
paracentric
paracentrical
paracephalus
paracerebellar
paracetaldehyde
paracetamol
parachaplain
paracholia
parachor
parachordal
parachords
parachrea
parachroia
parachroma
parachromatism
parachromatophorous
parachromatopsis
parachromatosis
parachrome
parachromomaporous
parachromomphoric
parachromomphorous
parachronism
parachronistic
parachrose
parachute
parachute's
parachuted
parachuter
parachutes
parachutic
parachuting
parachutism
parachutist
parachutists
paracium
paraclete
paracmasis
paracme
paracoele
paracoelian
paracolitis
paracolon
paracolpitis
paracolpium
paracondyloid
paracone
paraconic
paraconid
paraconscious
paracorolla
paracotoin
paracoumaric
paracresol
paracroctic
paracusia
paracusic
paracusis
paracyanogen
paracyeses
paracyesis
paracymene
paracystic
paracystitis
paracystium
parada
parade
paraded
paradeful
paradeless
paradelike
paradenitis
paradental
paradentitis
paradentium
parader
paraderm
paraders
parades
paradiastole
paradiazine
paradichlorbenzene
paradichlorbenzol
paradichlorobenzene
paradichlorobenzol
paradiddle
paradidym
paradidymal
paradidymis
paradigm
paradigm's
paradigmatic
paradigmatical
paradigmatically
paradigmatize
paradigms
parading
paradingly
paradiploomatic
paradisaic
paradisaical
paradisaically
paradisal
paradisally
paradise
paradisean
paradises
paradisiac
paradisiacal
paradisiacally
paradisial
paradisian
paradisic
paradisical
parado
paradoctor
parados
paradoeses
paradox
paradox's
paradoxal
paradoxer
paradoxes
paradoxial
paradonic
paradoxical
paradoxicalism
paradoxicality
paradoxically
paradoxicalness
paradoxician
paradoxidian
paradoxism
paradoxist
paradoxographer
paradoxographical
paradoxology
paradoxure
paradoxurine
paradoxy
paradromic
paradrop
paradropped
paradropping
paradrops
paraenesis
paraenesize
paraenetic
paraenetical
paraengineer
paraesthesia
paraesthetic
paraffin
paraffined
paraffinoid
paraffinoid
paraffinized
paraffinizing
paraffinic
paraffins
paraffiny
paraffle
parafe
parafloccular
paraflocculus
parafoil
paraform
paraformaldehyde
paraforms
parafuncion
paragammacism
paraganglion
paragaster
paragastral
paragastric
parastrula
parastrular
parage
paragenesia
paragenesis
paragenetic
paragenetically
paragenic
paragerontic
parageusia
parageusia
parageusic
parageusis
paraglutination
paraglenal
paraglider
paraglobin
paraglobulin
paraglossa
paraglossae
paraglossal
paraglossate
paraglossia
paraglycogen
paragnath
paragnathism
paragnathous
paragnaths
paragnathus
paragneiss
paragnosia
paragoge
paragoges
paragogic
paragogical
paragogically
paragogize
paragon
paragon's
paragoned
paragonimiasis
paragoning
paragonite
paragonitic
paragonless
paragons
paragram
paragrammatist
paragraph
paragraphed
paragrapher
paragraphia
paragraphic
paragraphical
paragraphically
paragraphing
paragraphism
paragraphist
paragraphistical
paragraphize
paragraphs
paraguay
paraguayan
paraguayans
parah
paraheliotropic
paraheliotropism
parahematin
parahemoglobin
parahepatic
parahepate
parahormone
parahydrogen
parahypnosis
paraiba
paraison
parakeet
parakeets
parakeratosis
parakilya
parakinesia
parakinesis
parakinetic
paralactate
paralalia
paralambdacism
paralambdacismus
paralanguage
paralaurionite
paraldehyde
parale
paralectotype
paralegal
paraleipsis
paralepsis
paralexia
paralexic
paralgesia
paralgesic
paralian
paralimnion
paralinguistic
paralinguistics
paralinin
paralipomena
paralipses
paralipsis
paralitical
parallactic
parallactical
parallactically
parallax
parallaxes
parallel
parallelable
paralleled
parallelepiped
parallelepipedal
parallelepipedic
parallelepipedon
parallelepipedonal
parallelepipedous
paralleler
parallelinervate
parallelinerved
parallelinervous
paralleling
parallelisation
parallelise
parallelised
parallelising
parallelism
parallelist
parallelistic
parallelith
parallelization
parallelize
parallelized
parallelizer
parallelizes
parallelizing
parallelled
parallelless
parallelling
parallelly
parallelodrome
parallelodromous
parallelogram
parallelogram's
parallelogrammatic
parallelogrammatical
parallelogrammic
parallelogrammical
parallelograms
parallelograph
parallelometer
parallelopiped
parallelopipedon
parallelotropic
parallelotropism
parallels
parallelwise
parallelepipedous
paralogia
paralogic
paralogical
paralogician
paralogism
paralogist
paralogistic
paralogize
paralogized
paralogizing
paralogy
paraluminite
paralysation
paralyse
paralyised
paralyser
paralyses
paralysing
paralysis
paralytic
paralytica
paralytical
paralytically
paralyzant
paralyzation
paralyze
paralyzed
paralyzedly
paralyser
paralyzers
paralyses
paralyzing
paralyzingly
param
paramagnet
paramagnetic
paramagnetically
paramagnetism
paramandelic
paramarine
paramastigate
paramastitis
paramastoid
paramatta
paramecia
paramecium
parameciums
paramedian
paramedic
paramedical
paramedics
paramelaconite
paramorphous
paramos
paramount
paramountcy
paramountly
paramountness
paramountship
paramour
paramours
paramuthetic
paramyelin
paramylum
paramyoclonus
paramyosin
paramyosinogen
paramytone
paramyotonia
paramyxovirus
paranasal
paranatellon
parandrus
paranema
paranematic
paranephric
paranephritic
paranephritis
paranephros
paranepionic
paranete
parang
parangi
parangs
paranitraniline
paranitrosophenol
paranja
paranoea
paranoecac
paranoecas
paranoia
paranoiac
paranoiacs
paranoias
paranoid
paranoidal
paranoidism
paranoids
paranomia
paranormal
paranormality
paranormally
paranosic
paranotions
paranthelion
paranthracene
paranuclear
paranucleate
paranuclei
paranucleic
paranuclein
paranucleinic
paranucleus
paranymph
paranymphal
parao
paraoperation
paraparesis
paraparetic
parapathia
parapathy
parapdia
parapegm
parapegma
parapegmata
paraperiodic
parapet
parapet's
parapetalous
parapeted
parapetless
parapets
paraph
paraphasia
paraphasic
paraphed
paraphemia
paraphenetidine
paraphenyene
paraphenylene
paraphenylendiamine
parapherna
paraphernal
paraphernalia
paraphernalian
paraphia
paraphilia
paraphiliac
paraphimosis
paraphing
paraphonia
paraphoniac
paraphonic
paraphototropism
paraphragm
paraphrasable
paraphrase
paraphrased
paraphraser
paraphrasers
paraphrases
paraphrasis
paraphrasian
paraphrasing
paraphrasis
paraphrasist
paraphrast
paraphraster
paraphrastic
paraphrastical
paraphrastically
paraphrenia
paraphrenic
paraphrenitis
paraphronesis
paraphrosyne
paraphs
paraphyllia
paraphyllium
paraphysate
paraphysical
paraphysiferous
paraphysis
paraplasia
paraplasia
paraplasmin
paraplastic
paraplastic
paraplectic
paraplegia
paraplegic
paraplegics
paraplegy
parapleuritis
parapleurum
parapod
parapodia
parascenium
parasceve
paraschematic
parasecretion
paraselenae
paraselene
paraselenic
parasemidin
parasemidine
parasexual
parasexuality
parashah
parashioth
parashoth
parasigmatism
parasigmatismus
parasital
parasitary
parasite
parasite's
parasitelike
parasitemia
parasites
parasitohol
parasitic
parasitical
parasitically
parasitica
parasitidal
parasiticide
parasiticidic
parasitics
parasiticus
parasitism
parasitization
parasitize
parasitized
parasitizes
parasitizing
parasitogenic
parasitoid
parasitoidism
parasitoids
parasitologic
parasitological
parasitologies
parasitologist
parasitology
paratactically
paratartaric
parataxic
parataxis
parate
paraterminal
paratherian
parathesis
parathetic
parathion
parathormone
parathyemic
parathyrid
parathyroid
parathyroidal
parathyroidectomies
parathyroidectomy
parathyroidectomize
parathyroidectomized
parathyroidectomizing
parathyroidectomy
parathyroids
parathyroprival
parathyroprivia
parathyroprivic
paratitla
paratitles
paratition
paratoloid
paratoluic
paratoluidine
paratomial
paratomium
paratonic
paratonically
paratonnerre
paratorium
paratory
paratracheal
paratragedia
paratragoedia
paratransversan
paratrichosis
paratrimma
paratriptic
paratroop
paratrooper
paratroopers
paratroops
paratrophic
paratrophy
paratuberculin
paratuberculosis
paratuberculous
paratungstate
paratungstic
paratype
paratyphilitis
paratyphoid
paratypic
paratypical
paratypically
paraunter
parava
paravaginitis
paravail
paravane
paravanes
paravant
paravauxite
paravent
paravertebral
paravesical
paravidya
parawing
paraxial
paraxially
paraxon
paraxonic
paraxyylene
parazoan
parazonium
parbake
parbleu
parboil
parboiled
parboiling
parboils
parbreak
parbuckle
parbuckled
parbuckling
parc
parcae
parcel
parcelled
parceling
parcellary
parcellate
parcellation
parcelled
parcelling
parcellization
parcellize
parcelment
parcels
parcelwise
parcenary
parcener
parceners
parcenership
parch
parciable
parched
parchedly
parchedness
parcheesi
parchemin
parcher
parches
parchesi
parching
parchingly
parchisi
parchment
parchmenter
parchmentize
parchmentized
parchmentizing
parchmentlike
parchments
parchmenty
parchy
parcidenta
parcidentate
parciloquy
parciloquy
parcose
parcook
pard
pardah
pardahs
pardon
pards
pardale
pardalote
pardao
parenteticalness
parenthood
parenticide
parenting
parentis
parentless
parentlike
parents
parentship
parepididymal
parepididymis
parepigastric
parer
parerethesis
parergal
parergic
parergon
parergy
parers
pares
pareses
paresis
paresthesia
paresthesia
paresthetic
parethmoid
paretic
paretically
paretics
paretta
pareu
pareunia
pareus
pareve
parfait
parfaits
parfey
parfield
parfilage
parfleche
parflesh
parfleshes
parfocal
parfocality
parfocalize
parfum
parfumerie
parfumeur
parfumoir
pargana
pargasite
 Fargoe
parged
parges
part
parted
parteur
parteuing
partets
partetted
partetting
parging
pargo
pargos
pargyline
parhoria
parheliacal
parhelic
parhelion
parhelimm
parhomologous
parhomology
parhynpate
pari
pariah
pariahdom
pariahism
pariahs
pariahship
parial
parian
parians
parica
paridigitate
paridrosis
paries
pariet
parietal
parietals
parietary
parietes
parietofrontal
parietojugal
parietomastoid
parietoquadrate
parietosphenoid
parietosphenoidal
parietosplanchnic
parietosquamosal
parietotemporal
parietovaginal
parietovisceral
parify
parigenin
pariglin
parilla
parilllin
parimutuel
parimutuels
parine
paring
parings
paripinnate
paris
parises
parish
parish's
parished
parishen
parishes
parishional
parishionally
parishionate
parishioner
parishioners
parishionership
parishwide
parisia
parisian
parisians
parisienne
parisis
parisite
parisology
parison
parisonic
paristhmic
paristhmion
parisyllabic
parisyllabical
parities
paritor
parity
parivincular
park
parka
parkas
parked
parkee
parker
parkers
parkin
parking
parkings
parkinson
parkinsonian
parkinsonism
parkish
parkland
parklands
parkleaves
parklike
parks
parkward
parkway
parkways
parky
parl
parlamento
parlance
parlances
parlando
parlante
parlatory
parlay
parlayed
parlayer
parlayers
parlaying
parlays
parle
parled
parlement
parles
parlesie
parley
parleyed
parleyer
parleyers
parleying
parleys
parnellism
parnorpine
paroarion
paroarium
paroccipital
paroch
parochial
parochialic
parochialis
parochialise
parochialised
parochialising
parochialism
parochialist
parochiality
parochialization
parochialize
parochially
parochialness
parochian
parochin
parochnine
parochiner
parode
parodi
parodiablc
parodial
parodic
parodical
parodied
parodies
parodinia
parodist
parodistic
parodistically
parodists
parodize
parodoi
parodontia
parodontitia
parodontitis
parodontium
parodos
parodus
parody
parodying
parodyproof
paroecious
paroeciously
paroeciousness
paroecism
paroecy
paroemia
paroemiac
paroemiographer
paroemiography
paroemiologist
paroemiology
paroicous
parol
parolable
parole
paroled
parolee
parolees
paroler
parolers
paroles
parolfactory
paroli
paroling
parolist
parols
paromoeon
paromologetic
paromologia
paromology
paromphalocele
paromphalocelic
paronomasia
paronomasial
paronomasian
paronomasiastic
paronomastic
paronomastical
paronomastically
paronychia
paronychial
paronychium
paronym
paronymic
paronymization
paronymize
paronymous
paronyms
paronymy
paroophoric
paroophoritis
paroophoron
paropsis
paroptesis
paroptic
paroquet
paroquets
parorchid
parorchis
parorexia
parosmia
parosmic
parosteal
parosteitis
parosteosis
parostosis
parostotic
parostotis
parotic
parotid
parotidean
parotidectomy
parotiditis
parotids
parotis
parotitic
parotitis
parotoid
parotoids
parous
parousia
parousiamania
parovarian
parovariotomy
parovarium
paroxazine
paroxysm
paroxysmal
paroxysmalist
paroxysmally
paroxysmic
paroxysmist
paroxysms
paroxytone
paroxytonic
paroxytonize
parpal
parpen
parpend
parquet
parquetage
parqueted
parqueting
parquetry
parquets
parr
parrah
parrakeet
parrakeets
parral
parrall
parrals
parramatta
parred
parrel
parrels
parrhesia
parrhesiastic
parriable
parricidal
parricidally
parricide
parricided
parricides
parricidial
parricidism
parridge
parridges
parried
parrier
parries
parring
parritch
parritches
parrock
parroket
parrokets
parroque
parroquet
parrot
parrotbeak
parrotbill
parroted
parroter
parroters
parrotfish
parrotfishes
parrothood
parroting
parrotism
parrotize
parrotlet
parrotlike
parrotry
parrots
parrotwise
parroty
parrs
parry
parrying
pars
parsable
parse
parsec
parsecs
parsed
parsee
parser
parsers
parses
parsettensite
parseval
arsi
parsifal
parsimonious
parsimoniously
parsimoniousness
parsimony
parsing
parsings
parsley
parsleylike
parsleys
parsleywort
parsnip
parsnips
parson
parson's
parsonage
parsonages
parsonarchy
parsondom
parsoned
parsonese
parsoness
parsonet
parsonhood
parsonic
parsonical
parsonically
parsoning
parsonish
parsonity
parsonize
parsonlike
parsonly
parsonolatry
parsonology
parsonry
parsons
parsonship
parsonsite
parsony
part
partable
partage
partakable
partake
partaken
partaker
partakers
partakes
partaking
partan
partanfull
partanhanded
partans
parte
parted
partedness
parten
parter
parterre
parterred
parterres
parters
partes
partheniad
parthenian
parthenic
parthenocarpelly
parthenocarpic
parthenocarpical
parthenocarpically
parthenocarpous
parthenocarpy
parthenogeneses
parthenogenesis
parthenogenetic
parthenogenetically
parthenogenic
parthenogenitive
parthenogenous
parthenogeny
parthenogone
parthenogonidium
parthenolatry
parthenology
parthenon
parthenoparous
parthenophobia
parthenosperm
parthenospore
parthian
parti
partial
partialed
partialise
partialised
partialising
partialism
partialist
partialistic
partialities
partiality
partialize
partially
partialness
partials
partiary
partibility
partible
particate
particeps
participability
participable
participance
participancy
participant
participant's
participantly
participants
participate
participated
participates
participating
participatingly
participation
participative
participatively
participator
participators
participatory
participatress
participial
participiality
participialization
participialize
participially
participle
participle
particle
particle's
particlecelerator
particled
particles
particular
particularisation
particularise
particularised
particulariser
particularising
particularism
particularist
particularistic
particularistically
particularities
particularity
particularization
particularize
particularized
particularizer
particularizes
particularizing
particularly
particularness
particulars
particulate
particule
partie
partied
parties
partigen
partile
partim
partimembered
partimen
partimento
parting
partings
partinium
partis
partisan
partisan’s
partisanism
partisanize
partisanry
partisans
partisanship
partita
partitas
partite
partition
partitional
partitionary
partitioned
partitioner
partitioning
partitionist
partitionment
partitions
partitive
partitively
partitura
partiversal
partivity
partizan
partizans
partizanship
partless
partlet
partlets
partley
partly
partner
partnered
partnering
partnerless
partners
partnership
partnerships
parto
parton
partons
partook
partridge
partridge's
partridgeberries
partridgeberry
partridgelike
partridges
partridgewood
partridging
parts
partschinite
parture
parturiate
parturience
parturiency
parturient
parturifacient
parturition
parturitions
parturitive
partway
party
party's
partying
partyism
partyist
partykin
partyless
partymonger
partyship
parulis
parumbilical
parura
paruras
parure
parures
paruria
parus
parvaniminity
parve
parvenu
parvenudom
parvenue
parvenuism
parvenus
parvicellular
parviflorous
parvifoliate
parvifolious
parvipotent
parvirostrate
parvis
parviscient
parvise
parvises
parvitude
parvolin
parvoline
parvolins
parvule
parvuli
parvulus
paryphodrome
pas
pasadena
pasan
pasang
pascal
pasch
paschal
paschalist
paschals
paschflower
paschite
pascoite
pascola
pascuage
pascual
pascuous
pase
pasear
pasela
paseng
paseo
paseos
pases
pasewa
pasgarde
pash
pasha
pashadom
pashadoms
pashalic
pashalics
pashalik
pashaliks
pashas
pashaship
pashed
pashes
pashim
pashing
pashka
pashm
pashmina
pashto
pasi
pasigraphic
pasigraphical
pasigraphy
pasilaly
pasillo
pasiphae
pasis
pask
pasmo
paso
pasqueflower
pasquil
pasquillant
pasquiler
pasquiltic
pasquillant
pasquiller
pasquillic
pasquilts
pasquins
pasquin
pasquinade
pasquinadeds
pasquinader
pasquinades
pasquinading
pass
passable
passableness
pataca
patacao
patacas
patache
pataco
patacoon
patagia
patagial
patagiate
patagium
patagon
patagonia
patagonian
pataka
patamar
patamars
patana
patand
patao
patapat
pataque
patart
patas
patashte
patata
patavinity
patball
patballer
patch
patchable
patchboard
patchcock
patched
patcher
patcheries
patchers
patchery
patches
patchhead
patchier
patchiest
patchily
patchiness
patching
patchleaf
patchless
patchouli
patchouly
patchstand
patchwise
patchword
patchwork
patchworky
patchy
pated
pate
patd
patee
patefaction
patify
patel
patella
patellae
patellar
patellaroid
patellas
patellate
patellidan
patelliform
patelline
patellofemoral
patelloid
patellula
patellulae
patellulate
paten
patencies
patency
patener
patens
patent
patentability
patentable
patently
patente
patented
patentee
patentees
patenter
patenters
patenting
patently
patentness
patentor
patentors
patents
pater
patera
paterae
patercove
paterero
paterfamiliar
paterfamiiliarly
paterfamilias
paterfamilias
paterfamiliases
pateria
pateriform
paterissa
paternal
paternalism
paternalist
paternalistic
paternalistically
paternity
paternalize
paternally
paternalness
paternities
paternity
paternoster
paternosterer
paternosters
paters
pates
patesi
patesiate
patetico
patgia
path
pathan
pathbreaker
pathed
pathema
pathematic
pathematically
pathematology
pathenogenicity
pathetic
pathetical
pathetically
patheticalness
pathetic ate
pathetically
patheticalness
patheticate
patheticly
patheticness
pathetism
pathetist
pathetize
pathfarer
pathfind
pathfinder
pathfinders
pathfinding
pathic
pathicism
pathless
pathlessness
pathlet
pathment
pathname
pathnames
pathoanatomical
pathoanatomy
pathobiological
pathobiologist
pathobiology
pathochemistry
pathocure
pathodontia
pathoformic
pathogen
pathogene
pathogeneses
pathogenesis
pathogenesy
pathogenetic
pathogenic
pathogenically
pathogenicity
pathogenous
pathogens
pathogeny
pathogerm
pathogermic
pathognomic
pathognomical
pathognomonic
pathognomonical
pathognomonically
pathognomy
pathognostic
pathographic
pathographical
pathway's
pathwayed
pathways
pathy
patia
patible
patibulary
patibulate
patibulated
patience
patiences
patiency
patient
patienter
patientest
patientless
patiently
patientness
patients
patin
patina
patinae
patinaed
patinas
patinate
patinated
patination
patine
patined
patines
patining
patinize
patinized
patinous
patins
patio
patios
patise
patisserie
patisseries
patissier
patly
patness
patnesses
patnidar
pato
patois
patola
patonce
patresfamilias
patria
patriae
patrul
patriarch
patriarchal
patriarchalism
patriarchally
patriarchate
patriarchates
patriarchdom
patriarched
patriarchess
patriarchic
patriarchical
patriarchically
patriarchies
patriarchism
patriarchist
patriarchs
patriarchship
patriarchy
patrice
patrices
patricia
patrician
patrician's
patricianhood
patricianism
patricianly
patricians
patricianship
patriciate
patricidal
patricide
patricides
patrick
patrician
patricianous
patrico
patridge
patrilateral
patrilinage
patrilinage
patrilineral
patrilineraly
patrilinear
patrilinearly
patrolled
patroller
patrollers
patrolling
patrollotism
patrolman
patrolmen
patrologic
patrological
patrologies
patrologist
patrology
patrols
patrolwoman
patrolwomen
patron
patron's
patronage
patronal
patronate
patrondom
patroness
patronesses
patronessship
patronisable
patronise
patronised
patroniser
patronising
patronisingly
patronite
patronizable
patronization
patronize
patronized
patronizer
patronizers
patronizes
patronizing
patronizingly
patronless
patronly
patronne
patronomatology
patrons
patronship
patronym
patronymic
patronymically
patronymics
patronymy
patroon
patroonry
patroons
patroonship
patroullart
patruity
pats
patsies
patsy
patt
patta
pattable
pattamar
pattamars
pattara
patte
patted
pattee
patten
pattened
patterner
pattens
patter
pattered
patterer
patterers
patterning
patterings
patterist
pattern
patternable
patterned
patterner
patterning
patternize
patternless
patternlike
patternmaker
patternmaking
patterns
patternwise
patterny
patters
pattidari
pattie
patties
patting
pattinsonize
pattle
pattoo
pattu
patty
patty’s
pattypan
pattypans
patu
patuca
patulent
patulin
patulous
patulously
patulousness
patwari
paty
pau
paua
paucal
pauciarticulate
pauciarticulated
paucidentate
pauciflorous
paucifoliate
paucifolious
paucify
paucijugate
paucilocular
pauciloquent
pauciloquently
pauciloquy
paucinervate
paucipinnate
pauciplicate
pauciradiate
pauciradiated
paucispiral
paucispirated
paucities
paucity
paucitypause
paughty
paukpan
pauky
paul
pular
paulron
pauldrons
paulian
paulician
paulie
paulin
pauline
paulins
paulism
paulist
paulite
paulopast
paulopost
paulospore
paulownia
paunch
paunche
paunched
paunches
paunchful
paunchier
paunchiest
paunchily
paunchiness
paunchy
paup
pauper
pauperage
pauperate
pauperdom
paupered
pauperess
paupering
pauperis
pauperisation
pauperise
pauperised
pauperiser
pauperising
pauperism
pauperitic
pauperization
pauperize
pauperized
pauperizer
pauperizes
pauperizing
paupers
puraque
paurometabolic
paurometabolism
paurometabolous
paurometaboly
pauropod
pauropodous
pausably
pausai
pausal
pausalion
pausation
pause
paused
pauseful
pausefully
pauseless
pauselessly
pausement
pauser
pausers
pauses
pausing
pausingly
paussid
paut
pauxi
pav
pavade
pavage
pavan
pavane
pavanes
pavanne
pavans
pave
paved
paveed
paveement
pavement's
pavemental
pavements
paven
paver
pavers
paves
pavestone
pavia
pavid
pavidity
pavier
pavies
pavilion
pavilion's
pavilioned
pavilioning
pavilions
pavillon
pavin
paving
pavings
pavins
pavior
paviors
paviour
paviours
paviser
pavisers
pavises
pavisor
pavisse
pavlov
pavlovian
pavois
pavonated
pavonazzeto
pavonazzo
pavonine
pavonize
pavy
paw
pawaw
pawdite
pawed
pawer
pawers
pawing
pawk
pawkery
paxiuba
paxwax
paxwaxes
pay
payability
payable
payableness
payably
payback
paybox
paycheck
paycheck's
paychecks
paycheque
paycheques
payday
paydays
payed
payee
payees
payen
payeny
payer
payer's
payers
payess
paying
payload
payloads
paymaster
paymasters
paymastership
payment
payment's
payments
paymistress
paynim
paynimhood
paynimrie
paynimry
paynims
paynize
payoff
payoff's
payoffs
payola
payolas
payong
payor
payors
payout
payroll
payrolls
pays
paysage
paysagist
paysanne
payt
paytamine
payyetan
pazarem
px
pxxes
pc
pcf
pci
pcm
pct
pd
pdn
pdq
e
pea
pea's
peaberry
peabird
peabody
peabrain
peabush
peace
peaceable
peaceableness
peaceably
peacebreaker
peacebreaking
peaced
peaceful
peacefuller
peacefullest
peacefully
peacefulness
peacekeeper
peacekeepers
peacekeeping
peaceless
peacelessness
peacleike
peacemake
peacemaker
peacemakers
peacemaking
peaceman
peacemonger
peacemongering
peacenik
peaces
peacetime
peach
peach's
peachberry
peachbloom
peachblossom
peachblow
peached
peachen
peacher
peachers
peachery
peaches
peachick
peachier
peachiest
peachify
peachiness
peaching
peachlet
peachlike
peachwood
peachwort
peachy
peacing
peacoat
peacoats
peacock
peacock's
peacocked
peacockery
peacockier
peacockiest
peacocking
peacockish
peacockishly
peacockishness
peacockism
peacocklike
peacockly
peacocks
peacockwise
peacocky
peacod
peafowl
peafowls
peag
peage
peages
peagoose
peags
peahen
peahens
peai
peaiism
peak
peaked
peakedly
peakedness
peaker
peakgoose
peakier
peakiest
peakily
peakiness
peaking
peakish
peakishly
peakishness
peakless
peaklike
peaks
peakward
peaky
peakyish
peal
pealed
pealer
pealike
pealing
peals
peamouth
peamouths
pean
peans
peanut
peanut's
peanuts
peapod
pear
pearce
pearceite
pearch
pearl
pearl's
pearlash
pearlashes
pearberry
pearbird
pearbush
pearled
pearler
pearlers
pearlescence
pearlescent
pearlet
pearleye
pearleyed
pearleys
pearffish
pearffishes
pearffruit
pearlier
pearliest
pearlike
pearlin
pearliness
pearling
pearlings
pearlish
pearlite
pearlites
pearlitic
pearlized
pearloyster
pearls
pearlsides
pearlspar
pearlstone
pearlweed
pearwort
pearly
pearmain
peatship
peatstack
peatweed
peatwood
peaty
peauner
peavey
peaveys
peavie
peavies
peavine
peavy
peba
pebble
pebble's
pebbled
pebblehearted
pebbles
pebblestone
pebbleware
pebblier
pebliest
pebbling
pebbly
pebrine
pebrinous
pecan
pecans
peccability
peccable
peccadillo
peccadilloes
peccadillos
peccancies
peccancy
peccant
peccantly
peccantness
peccaries
peccary
peccation
peccatiphobia
peccatophobia
peccavi
peccavis
pech
pechan
pechans
pectinated
pectinatella
pectinately
pectination
pectinatodenticulate
pectinatofimbricate
pectinatopinnate
pectineal
pectines
pectinesterase
pectineus
pectinibranch
pectinibranchian
pectinibranchiate
pectinic
pectinid
pectiniferous
pectiniform
pectinirostrate
pectinite
pectinogen
pectinoid
pectinose
pectinous
pectins
pectizable
pectization
pectize
pectized
pectizes
pectizing
pectocellulose
pectolite
pectora
pectoral
pectorales
pectoralgia
pectoralis
pectoralist
pectorally
pectorals
pectoriloque
pectoriloquial
pectoriloquism
pectoriloquous
pectoriloquy
pectoris
pectosase
pectose
pectosic
pectosinase
pectous
pectron
pectunculate
pectus
peculate
peculated
peculates
peculating
peculation
peculations
peculator
peculators
peculia
peculiar
peculiarise
peculiarised
peculiarising
peculiarism
peculiarities
pecularity
pecularity's
peculiarization
peculiarize
peculiarized
peculiarizing
peciarily
peculiarness
peculiars
peculiarsome
peculium
pecunia
pecunial
pecuniarily
pecuniary
pecuniosity
pecunious
ped
peda
pedage
pedagese
pedagog
pedagogal
pedagogery
pedagogic
pedagogical
pedagogically
pedagogics
pedagogies
pedagogish
pedagogism
pedagogist
pedagogs
pedagogue
pedagoguery
pedagogues
pedagoguish
pedagoguism
pedagogy
pedagogually
pedagogys
pedal
pedaled
pedaler
pedalfer
pedalferic
pedalfers
pedaliaceous
pedalian
pedaling
pedalism
pedalist
pedaliter
pedality
pedalled
pedaller
pedalling
pedalo
pedals
pedanalysis
pedant
pedante
pedantesque
pedantess
pedanthood
pedantic
pedantical
pedantically
pedanticalness
pedanticism
pedantically
pedanticness
pedantics
pedantism
pedantize
pedantocracy
pedantocrat
pedantocratic
pedantries
pedantry
pedants
pedarian
pedary
pedate
pedated
pedately
pedatifid
pedatiform
pedatilobate
pedatilobed
pedatinerved
pedatipartite
pedatisect
pedatisected
pedatrophia
pedatrophy
pedder
peddlar
peddle
peddled
peddler
peddler's
peddleress
peddleries
peddlerism
peddlers
peddley
peddles
peddling
peddlingly
pedee
pedelion
pederast
pederastic
pederastically
pederasties
pederasts
pederasty
pederero
pedes
pedeses
pedesis
pedestal
pedestaled
pedestaling
pedestalled
pedestalling
pedestals
pedestrial
pedestrially
pedestrian
pedestrian's
pedestrianate
pedestrianise
pedestrianised
pedestrianising
pedestrianism
pedestrianize
pedestrianized
pedestrianizing
pedestrians
pedestrious
pedetentous
pedetic
pediad
pediadaontia
pediadaontic
pediadaontist
pedial
pedialgia
pediatric
pediatrician
pediatricians
pediatrics
pediatrist
pediatry
pedicab
pedicabs
pedicel
pediceled
pedicellar
pedicellaria
pedicellate
pedicellated
pedicellation
pedicelled
pedicelliform
pedicellus
pedipalpal
pedipalpate
pedipalpous
pedipalps
pedipalpus
pedipulate
pedipulation
pedipulator
pediwak
pedlar
pedlaries
pedlars
pedlary
pedler
pedleries
pedlers
pedlery
pedobaptism
pedobaptist
pedocal
pedocalcic
pedocalic
pedocals
pedodontia
pedodontic
pedodontist
pedodontology
pedogenesis
pedogenetic
pedogenic
pedograph
pedologic
pedological
pedologies
pedologist
pedologistical
pedologistically
pedology
pedomancy
pedomania
pedometer
pedometers
pedometric
pedometrical
pedometrically
pedometrician
pedometrist
pedomorphic
pedomorphism
pedomotive
pedomotor
pedophile
pedophilia
pedophilic
pedophilic
pedophobia
pedosphere
pedospheric
pedotribe
pedotrophic
pedotrophist
pedotrophy
pedrail
pedregal
pedrero
pedro
pedros
peds
pedule
pedum
peduncle
peduncled
peduncles
peduncular
pedunculate
pedunculated
pedunculation
pedunculi
pedunculus
pee
peebeen
peebeens
peebles
peed
peeing
peek
peekaboo
peekaboos
peeke
peeked
peeking
peeks
peel
peelable
peelcrow
peele
peeled
peeledness
peeler
peelers
peelhouse
peeling
peelings
peelite
peelman
peels
peen
peened
peenge
peening
peens
peeoy
peep
peeped
peeper
peepers
peepeye
peephole
peepholes
peeping
peeps
peepshow
peepshows
peepul
peepuls
peepy
peer
peerage
peerages
peerdom
peered
peeress
peeresses
peerhood
peerie
peeries
peering
peeringly
peerless
peerlessly
peerlessness
peerling
peerly
peers
pejoration
pejorationist
pejorative
pejoratively
pejoratives
pejorism
pejorist
pejority
pekan
pekans
peke
pekes
pekin
pekinese
peking
pekingese
pekins
pekoe
pekoes
pelade
peladic
pelado
peladore
pelage
pelages
pelagial
pelagian
pelagic
pelagra
pelamyd
pelanos
pelargic
pelargomorph
pelargomorphic
pelargonate
pelargonic
pelargonidin
pelargonin
pelargonium
pelasgian
pelasic
pelagic
pele
pelean
pelecan
pelecanoid
pelecypod
pelecypodous
pelelith
peleliu
peleng
pelerin
pelerine
pelerines
peles
peletre
pelf
petfs
pelham
pelias
pelican
pelicanry
pelicans
pelick
pelicomter
pelikai
pelike
peliom
pelima
peliosis
pelisse
pelisses
pelite
pelites
pelitic
pell
pellage
pellagra
pellagragenic
pellagras
pellagric
pellagrin
pellagroid
pellagrose
pellagrous
pellar
pellard
pellas
pellate
pellation
pellekar
peller
pellet
pelletal
pelleted
pelletierine
pelleting
pelletization
pelletize
pelletized
pelletizer
pelletizes
pelletizing
pelletlike
pellets
pellety
pellicle
pellicles
pellicula
pellicular
pellicularia
pelliculate
pellicule
pelile
pellitories
pellitory
pellmell
pellmells
pellock
pelloin
pellotine
pellucent
pellucid
pellucidity
pellucidly
pellucidness
pelmanism
pelmata
pelmatic
pelmatogram
pelmatozoan
pelmatozoic
pelmet
pelobatid
pelobatoid
pelodytid
pelodytoid
peloid
pelomedusid
pelomedusoid
pelon
pelopea
pelops
peloria
pelorian
pelorias
peloriate
peloric
pelorism
pelorization
pelorize
pelorized
pelorizing
pelorus
peloruses
pelota
pelotas
pelotherapy
peloton
pelt
pelta
peltae
peltast
peltasts
peltate
peltated
peltately
peltatifid
peltation
peltatodigitate
pelted
pelter
pelterer
pelters
peltiferous
peltifolious
peltiform
peltigerine
peltigerous
peltinervate
peltinerved
pelting
peltingly
peltish
peltless
peltmonger
peltries
peltry
pelts
pelu
pelo
d
pelure
pelveoperitonitis
pelves
pelvic
pelvics
pelviform
pelvigraph
pelvigraphy
pelvimeter
pelvimetric
pelvimetry
pelviolithotomy
pelvioperitonitis
pelvioplasty
pelvioradiography
pelvioscopcy
pelviotomy
pelviperitonitis
pelvirectal
pelvis
pelvisacral
pelvises
pelvisternal
pelvisternum
pelycogram
pelycography
pelycology
pelycometer
pelycometry
pelycosaur
pelycosaurian
pembina
pembinas
pembroke
pemican
pemicans
pemmican
pemmicanization
pemmicanize
pemmicans
pemoline
pemolines
pemphigoid
pemphigous
pemphigus
pemphix
pemphixes
pen
penacute
penaeaceous
penal
penalisable
penalisation
penalise
penalised
genalses
penalising
penalist
penalties
penalty
penalizable
penalization
penalize
penalized
penalizes
penalizing
penally
penalties
penalty
penalty's
penance
penanced
penanceless
penancer
penances
penancing
penancy
penang
penangs
penannular
penaria
penates
penbard
penatite
pence
pencil
penceless
pencels
pencey
penchant
penchants
penche
penchute
pencil
penciled
penciler
pencilers
penciliform
pendulously
pendulousness
pendulum
pendulum's
pendulumlike
pendulums
peneccontemporaneous
penectomy
peneid
penelope
penelopeine
peneplain
peneplains
penepplanation
peneplane
pene
peneseismic
penest
penetrability
penetrable
penetrableness
penetrably
penetral
penetralia
penetralian
penetrameter
penetrance
penetrancy
penetrant
penetrate
penetrated
penetrates
penetrating
penetratingly
penetratingness
penetration
penetrations
penetrative
penetratively
penetrativeness
penetrativity
penetrator
penetrator's
penetrators
penetrology
penetrology
penetrometer
penfieldite
penfold
tenful
peng
penghulu
pengo
pengos
penguin
penguin's
penguinery
penguins
penguin
penhead
penholder
penial
peniaphobia
penible
penicil
penicilium
penicillate
penicillated
penicillately
penicillation
penicillia
penicilliform
penicillin
penicillinic
penicillium
penicils
penide
penile
penillion
peninsula
peninsula's
peninsular
peninsularism
peninsularity
peninsulas
peninsulate
penintime
peninvariant
penis
penises
penistone
penitence
penitencer
penitency
penitent
penitential
pensionat
pensione
pensioned
pensioner
pensioners
pensionership
pensiones
pensioning
pensionless
pensionnaire
pensionnat
pensionry
pensions
pensive
pensived
pensively
pensiveness
penstemon
penster
pensters
penstick
penstock
penstocks
pensum
pensy
pent
penta
pentabasic
pentabromide
pentacapsular
pentacarbon
pentacarbonyl
pentacarpellary
pentace
pentacetate
pentacrenium
pentachloride
pentachlorophenol
pentachord
pentachromic
pentacid
pentacle
pentacles
pentacoccous
pentacoctane
pentacosane
pentacrinite
pentacrinoid
pentacron
pentacroistic
pentactinal
pentactine
pentacular
pentacyanic
pentacyclic
pentad
pentadactyl
pentadactylate
pentadactyle
pentadactylism
pentadactyloid
pentadecagon
pentadecahydrate
pentadecahydrated
pentadecane
pentadecatoic
pentadecoic
pentadecyl
pentadecylic
pentadelphous
pentadic
pentadicity
pentadiene
pentadodecahedron
pentadrachm
pentadrachma
pentads
pentaerythrite
pentaerythritol
pentafid
pentafluoride
pentagamist
pentaglossal
pentaglot
pentaglottical
pentagon
pentagon's
pentagonal
pentagonally
pentagonohedron
pentagonoid
pentagonon
pentagons
pentagram
pentagrammatic
pentagrid
pentapeptide
pentapetalous
pentaphylaceous
pentaphyllous
pentaploid
pentaploidic
pentaploidy
pentapodic
pentapodies
pentapody
pentapolis
pentapolitan
pentaprin
pentapterous
pentaptote
pentaptych
pentaquin
pentaquine
pentarch
pentarchical
pentarchies
pentarchs
pentarchy
pentasepalous
pentasilicate
pentaspermous
pentaspheric
pentaspherical
pentastich
pentastichous
pentastichy
pentastom
pentastome
pentastomoid
pentastomous
pentastyle
pentastylos
pentasulphide
pentasyllabic
pentasyllabism
pentasyllable
pentateuch
pentateuchal
pentathionate
pentathionic
pentathlete
pentathlon
pentathlons
pentathlos
pentatomic
pentatomid
pentatone
pentatonic
pentatriacontane
pentatron
pentavalence
pentavalency
pentavalent
pentazocine
pentecenter
pentecontoglossal
pentecost
pentecostal
pentecostalism
pentecostalist
pentecostals
pentecostarion
pentecoster
pentecostys
pentelic
pentene
penteteric
penthemimer
penthemimeral
penthemimeris
penthiophen
penthiophene
penthouse
penthoused
penthouselike
penthouses
penthousing
penthrit
penthrite
pentice
penticle
pentimenti
pentimento
pentine
pentiodide
pentit
pentite
pentitol
pentlandite
pentobarbital
pentobarbitone
pentode
pentoic
pentol
pentolite
pentomic
pentosan
pentosane
pentosans
pentose
pentoses
pentosid
pentoside
pentosuria
pentothal
pentoxide
pentremital
pentremite
pentrit
pentrite
pentrough
pentstemon
pentstock
penttail
pentyln
pentylene
pentylenetetrazol
pentylic
pentylidene
pentyls
pentyne
penuche
penuches
penuchi
penuchis
penuchle
penuchles
penuckle
penuckles
penult
penultim
penultima
penultimate
penultimately
penultimatum
penults
penumbra
penumbræ
penumbral
pepinos
pepla
pepless
peplos
peplosed
peploses
peplum
peplumed
peplums
peplus
pepluses
pepo
peonid
peonida
peonidas
peonium
peoniums
pepos
pepped
pepper
pepperbox
peppercorn
peppercornish
peppercorns
peppercorny
peppered
pepperer
pepperers
peppergrass
pepperidge
pepperily
pepperiness
peppering
pepperish
pepperishly
peppermint
peppermints
pepperminty
pepperoni
pepperproof
pepperroot
peppers
peppershrike
peppertree
pepperweed
pepperwood
pepperwort
peppery
peppier
peppiest
peppily
peppin
peppiness
pepping
peppy
peps
pepsi
pepsin
pepsinate
pepsinated
pepsinating
pepsine
pepsines
pepsinhydrochloric
pepsiniferous
pepsinogen
pepsinogenic
pepsinogenous
pepsins
pepsis
peptic
peptical
pepticity
peptics
peptid
peptidase
peptide
peptides
peptidic
peptidically
peptidoglycan
peptidolytic
peptids
peptizable
peptization
peptide
peptized
peptizer
peptizers
peptizes
peptizing
peptogaster
peptogen
peptogenic
peptogenous
peptogeny
peptohydrochloric
peptolysis
peptolytic
peptonaemia
peptonate
peptone
peptonelike
peptonemia
peptones
peptonic
peptonisation
peptonise
peptonised
peptoniser
peptonising
peptonization
peptonize
peptonized
peptonizer
peptonizing
peptonoid
peptonuria
peptotoxin
peptoxine
pequot
per
peracephalus
peracetate
peracetic
peracid
peracidite
peracidity
peracids
peract
peracute
peradventure
peragrate
peragration
perai
peramble
perambulant
perambulate
perambulated
perambulates
perambulating
perambulation
perambulations
perambulator
perambulators
perambulatory
perameles
perameline
perameloid
perau
perbend
perborate
perborax
perbromide
perca
percale
percales
percaline
percarbide
percarbonate
percarbonic
percase
perceant
perceivability
perceivable
perceivableness
perceivably
perceivance
perceivancy
perceive
perceived
perceivedly
perceivedness
perceiver
perceivers
perceives
perceiving
perceivingness
percent
percentable
percentably
percentage
percentaged
percentages
percental
perceter
percentile
percentiles
percents
percentual
percentum
percept
percipient
percivale
perclose
pernosome
percoct
percoid
percoidean
percoids
percolable
percolate
percolated
percolates
percolating
percolation
percolative
percolator
percolators
percomorph
percomorphous
percompound
percontation
percontatorial
percribrate
percribration
percrystallization
percussion
percusive
percur
percurration
percurrent
percursory
percuss
percussed
percusses
percuising
percussion
percussional
percussioner
percussionist
percussionists
percussionize
percussions
percussive
percuessively
percussiveness
percussor
percutaneous
percutaneously
peregrinus
pereia
pereion
pereiopod
pereira
pereirine
perejonet
perempt
peremption
peremptorily
peremptoriness
peremptory
perendinant
perendinate
perendination
perendure
perennate
perennation
perennial
perenniality
perennialize
perennially
perennialness
perennials
perennibranch
perennibranchiate
perennity
perequitate
pererrate
pererration
peres
pereundem
perezone
perf
perfay
perfect
perfecta
perfectability
perfectas
perfectation
perfected
perfectedly
perfecter
perfecters
perfectest
perfecti
perfectibilian
perfectibilism
perfectibilist
perfectibilitarian
perfectibility
perfectible
perfecting
perfection
perfectionate
perfectionation
perfectionator
perfectioner
perfectionism
perfectionist
perfectionist's
perfectionistic
perfectionists
perfectionize
perfectionizement
perfectionizer
perfectionment
perfections
perfectism
perfectist
perfective
perfectively
perfectiveness
perfectivise
perfectivised
perfectivising
perfectivity
perfectivize
perfectly
perfectness
perfecto
perfector
perfectos
perfects
perfectuation
perfervent
perfervid
perfervidity
perfervidly
perfervidness
perfervor
perfervour
perficient
perfidious
perfidiously
perfidiousness
perfidy
perfilograph
perfin
perfins
perfix
perflable
perflate
perflation
perfluent
perfoliate
perfoliation
perforable
perforant
perforate
perforated
perforates
perforating
perforation
perforationproof
perforations
perforative
perforator
perforatorium
perforators
perforatory
perforce
perforcedly
perform
performability
performable
performance
performance's
performances
performant
performative
performatory
performed
performer
performers
performing
performs
perfricate
perfrication
perfumatory
perfume
perfumed
perfumeless
perfumer
perfumeress
perfumeries
perfumers
perfumery
perfumes
perfuming
perfumy
perfunctionary
perfunctionily
perfunctioniness
perfunctionious
perfunctionously
perfunctionize
perfunctionary
perfunctorily
perfunctionoriness
perfunctorious
perfunctoriously
perfunctionize
perfunctorily
perfunctoriness
perfunctorious
perfunctoriously
perfunctorize
perfunctority
perfuncuritate
perfusate
perfuse
perfused
perfuses
perfusing
perfusion
perfusive
perganeous
pergamentaceous
pergamyn
pergelson
pergola
pergolas
pergunnah
perh
perhalide
perhalogen
perhaps
perhapses
perhazard
perhorresce
perhydroanthracene
perhydrogenate
perhydrogenation
perhydrogenize
perhydrogenized
perhydrogenizing
perhydrol
peri
periacinal
periacinous
periactus
periadenitis
periamygdalitis
perianal
periangiocholitis
periangioma
periangitis
perianth
perianthial
perianthium
perianths
periaortic
periaortitis
periapical
periappendicitis
periappendicular
periapt
periapts
periareum
periaarterial
periaarteritis
periaarthric
periaarthritis
periaarticular
periaster
periastra
periastral
periastral
periastral
periastron
periastrum
periastral
periaugur
periaural
periaural
periaural
periauricular
periaxial
periaxillary
periaxional
periblast
periblastic
periblastula
periblem
periblems
periboli
periboloi
peribolos
peribolus
peribranial
peribronchial
peribronchiolar
peribronchiolitis
peribronchitis
peribulbar
peribursal
pericaecal
pericaecitis
pericanalicular
percapsular
pericardia
pericardiac
pericardiacophrenic
pericardial
pericardian
pericardicentesis
pericardiectomy
pericardiocentesis
pericardiolysis
pericardiomiastinitis
pericardiophrenic
pericardiopleural
pericardiorrhaphy
pericardiosymphysis
pericardiotomy
pericarditic
pericarditis
pericardium
pericardotomy
pericarp
pericarpial
pericarpic
pericarpium
pericarpoidal
pericarps
pericecal
pericecitis
pericellular
pericemental
pericementitis
pericementoclasis
pericementum
pericenter
pericentral
pericentre
pericentric
pericephalic
pericerebral
perichaete
perichaetia
perichaetial
perichaetium
perichaetous
perichdria
perichete
pericholangitis
pericholecystitis
perichondral
perichondria
perichondrial
perichondritis
perichondrium
perichord
perichordal
perichoresis
perichoroidal
perichordial
perichtia
perichyous
pericladium
periclase
periclasisa
periclasisite
periclaustrial
periclean
pericles
periclinal
periclinaly
pericline
periclinium
pericitate
pericitation
pericolitis
pericolpitis
periconchal
periconchitis
pericopae
pericopal
pericope
pericopes
pericopic
pericorneal
percowperitis
pericoxitis
pericrania
pericranial
pericranitis
pericranium
pericristate
periculant
peridromos
periductal
periegesis
periegetic
perielesis
periencephalitis
perienteric
perienteritis
perienteron
periependymal
perieergy
periesophageal
periesophagitis
perifistular
perifoliary
perifollicular
perifolliculitis
perigangliitis
periganglionic
perigastric
perigastritis
perigastrula
perigastrular
perigastrulation
perigeal
perigean
perigee
perigees
perigemmal
perigenesis
perigenital
perigeum
periglacial
periglandular
periglial
perigloea
periglottic
periglottis
perignathic
perigon
perigonadal
perigonial
perigone
perigonia
perigonial
perigonium
perigonnia
perigons
perigord
perigraph
perigraphic
perigynial
perigynies
perigynium
perigynous
perigyny
perihelia
perihelial
perihelian
perihelion
perihelium
periheloin
perihepatic
perihepatitis
perihernial
perihernial
perihysyric
perijejunitis
perijove
perikarya
perikaryal
perikaryon
perikronion
peril
peri's
perilabryinth
perilabryinthitis
perilaryngeal
perilaryngitis
periled
perilenticular
periligamentous
periling
perilla
perillas
perilled
perilless
perilling
perilobar
perilous
perilously
perilousness
perils
perilsome
perilune
perilunes
perilymph
perilymphangial
perilymphangitis
perilymphatic
perimartium
perimastitis
perimedullary
perimeningitis
perimeter
perimeterless
perimeters
perimetral
perimetric
perimetrical
perimetrically
perimetrictic
perimetritis
perimetrium
perimetry
perimorph
perimorphic
perimorphism
perimorphous
perimyelitis
perimysia
perimysial
perimysium
perinaeum
perinatal
perinde
perine
perinea
perineal
perineocele
perineoplastic
perineoplasty
perineorrhaphy
perineoscrotal
perineostomy
perineosynthesis
perineotomy
perineovaginal
perineovulvar
perinephral
perinephria
perinephrial
perinephric
perinephritic
perinephritis
perinephrium
perineptunium
perineum
perineural
perineuria
perineurial
perineurical
perineuritis
perineurium
perinium
perinuclear
periocular
period
period's
periodate
periodic
periodical
periodicalism
periodicalist
periodicalize
periodically
periodicalness
periodicals
periodicity
periodid
periodide
periodids
periodization
periodize
periodogram
periodograph
periodology
periodontal
periodontally
periodontia
periodontic
periodontics
periodontist
periodontitis
periodontium
periodontoclasia
periodontologist
periodontology
periodontoses
periodontosis
periodontum
periodoscope
periods
perioeci
perioecians
perioecic
perioecid
perioecus
perioesophageal
perioikoi
periomphalic
perionychia
perionychium
perionyx
perionyxis
perioophoritis
periophthalmic
periophthalmitis
periople
perioplic
perioptic
periophtometry
perioque
perioral
periorbit
periorbita
periorbital
periorchitis
periost
periostea
periosteal
periosteally
periosteitis
periostealveolar
periosteoma
periosteomедullitis
periosteomyelitis
periosteophyte
periostoeorrhaphy
periosteotome
periosteotomy
periosteous
periostem
periostitic
periostitis
periostoma
periostosis
periostotomy
periostraca
periostreal
periostracum
periotic
periovular
periovular
peripachymeningitis
peripancreatic
peripancreatitis
peripapillary
peripatetian
peripatetic
peripatetical
peripatetically
peripateticism
peripatetics
peripatize
peripatoid
peripatus
peripenial
peripericarditis
peripetalous
peripetasma
peripeteia
peripetia
peripettes
peripety
periphacitis
peripharyngeal
periflaxis
peripherad
peripheral
peripherallies
peripherally
peripherals
peripherial
peripheric
peripherical
peripherically
peripheries
peripherocentral
peripheroceptor
peripheromittor
peripheroneural
peripherophose
periphery
periphery's
periphlebitic
periphlebitis
periphactric
periphrase
periphrased
periphrases
periphrasing
periphrasis
periphrastic
periphrastical
periphrastically
periphraxy
periphyllum
periphyse
periphysis
periphytic
periphyton
periplasm
periplast
periplastic
periplegmatic
peripleural
peripleuritis
periplus
peripneumonia
peripneumonic
peripneumony
peripneustic
peripolar
peripolygonal
periportal
periproct
periproctal
periproctie
periproctitis
periproctous
periprostatic
periprostatitis
peripter
peripteral
peripteries
peripteroi
peripteros
peripterous
peripters
periptery
peripylephlebitis
peripyorphic
perique
periques
perirectal
perirectitis
perirenal
perirhinal
perirrhinal
perirrhinal
perirhyll
peris
perisalpingitis
perisarc
perisarcal
perisarcous
perisarcs
perisaturnium
periscian
periscians
periscii
perisclerotic
periscopal
periscope
periscopes
periscopic
periscopical
periscopism
periselene
perish
perishability
perishabilty
perishable
perishable's
perishableness
perishables
perishably
perished
perisher
perishers
perishes
perishing
perishingly
perishless
perishment
perisigmoiditis
perisinuitis
perisinuous
perisinusitis
perisoma
perisomal
perisomatic
perisome
perisomial
perisperm
perispermal
perispermatitis
perispermic
perisphere
perispheric
perispherical
perisphinctan
perisphinctoid
perisplanchnic
perisplanchnitis
perisplenetic
perisplenic
perisplenitis
perispome
perispomena
perispomenon
perispondylic
perispondylitis
perispore
perisporiaceous
perissad
perissodactyl
perissodactylate
perissodactyle
perissodactylic
perissodactylism
perissodactylous
perissologic
perissological
perissology
perissosyllabic
peristalith
peristalses
peristalsis
peristaltic
peristaltically
peristaphyline
peristaphylitis
peristele
peristerite
peristeromorph
peristeromorphic
peristeromorphous
peristeronic
peristerophily
peristeropod
peristeropodan
peristeropode
peristeropodous
peristethium
peristole
peristoma
peristomal
peristomatic
peristome
peristomial
peristomium
peristrephic
peristrephical
peristrumitis
peristrumous
peristyler
peristyle
peristyles
peristylium
peristylos
peristylum
perisynovial
perisystole
perisystolic
perit
periticia
perite
peritectic
peritendineum
peritenon
perithece
perithecia
perithecial
perithecium
perithelia
perithelial
perithelioma
perithelium
perithoracic
perithyreoiditis
perithyroiditis
peritilia
peritomize
peritomous
peritomy
peritonaea
peritonaeal
peritonaeum
peritonea
peritoneal
peritonealgia
peritonealize
peritonealized
peritonealizing
peritoneally
peritoneocentesis
peritoneoclysis
peritoneomuscular
peritoneopathy
peritoneopericardial
peritoneopexy
peritoneoplasty
peritoneoscope
peritoneoscopy
peritoneotomy
peritoneum
peritoneums
peritonism
peritonital
peritonitic
peritonsillar
peritonsillitis
peritracheal
peritrack
peritrema
peritrematous
peritreme
peririch
periricha
peririchan
peririchate
peririchic
peririchous
peririchously
peritroch
peritrochal
peritrochanteric
peritrochium
peritrochoid
peritropal
peritrophic
peritropous
peritura
perityphlic
perityphlitic
perityphlitis
periumbilical
periungual
periuranium
periureteric
periureteritis
periurethral
periurethritis
periuterine
periuvular
perivaginal
perivaginitis
perivascular
perivasculitis
perivenous
perivertebral
perivesical
perivisceral
perivisceritis
perivitellin
perivitelline
periwig
periwigged
periwigpated
periwigs
periwinkle
periwinkled
periwinkler
periwinkles
perizonium
perjink
perjinkety
perjinketies
perjinkly
perjure
perjured
perjuredly
perjuredness
perjurement
perjurer
perjurers
perjures
perjuress
perjuries
perjuring
perjurious
perjuriously
perjuriousness
perjurous
perjury
perjurymonger
perjurymongering
perk
perked
perkier
perkiest
perkily
perkin
perkiness
perking
perkingly
perkinism
perkish
perknite
perks
perky
perlaceous
perlative
perle
perleche
perlection
perlid
perligenous
perling
perlingual
perlingually
perlite
perlites
perlitic
perlocution
perlocutionary
perloir
perlucidus
 perlsruhe
perlustrate
perlustration
perlustrator
perm
permafrost
permalloy
permanence
permanencies
permanency
permanent
permanently
permanentness
permanents
permanganate
perrickity
perrine
perrnio
perrnio
perrniate
perrnitric
perrnoctate
perrnoctation
perrnod
perrnor
perrnychia
perrnyi
perroba
perrobrachius
perrcephalus
perrchirus
perrodactylus
perrofskite
perroliary
perromelous
perromelus
perromyscus
perronate
perrone
perroneal
perronei
perroneocalcaneal
perroneotarsal
perroneotibial
perroneus
perronian
perronium
perronnei
perronospora
perronosporaceous
perrpod
perrpodous
perropus
perroral
perrorally
perrorate
perrorated
perrorates
perrorating
perroration
perrorational
perrorations
perrorative
perrorator
peroratorical
peroratorically
peroratory
peroses
perosis
perosmate
perosmic
perosomus
perotic
perovskite
peroxid
peroxidase
peroxidate
peroxidation
peroxide
peroxidized
peroxides
peroxidic
peroxidic peroxidizing
peroxidizing
peroxidize
peroxidized
peroxidizement
peroxidizing
peroxids
peroxisomal
peroxisome
peroxy
peroxyacid
peroxyborate
peroxyl
perozonid
perozonide
perp
perpend
perpended
perpendicle
perpendicular
perpendicularity
perpendicularly
perpendicularness
perpendiculars
perpending
perpends
perpense
perpension
perpensity
perpent
perpents
perpера
perperfect
perpession
perpet
perpetrable
perpetrate
perpetrated
perpetrates
perpetrating
perpetration
perpetrations
perpetrator
perpetrator's
perpetrators
perpetratress
perpetratrix
perpetuable
perpetual
perpetualism
perpetualist
perpetuality
perpetually
perpetualness
peretuana
perpetuance
peretuant
perpetuate
perpetuated
perpetuates
perpetuating
perpetuation
peretuator
peretuators
peretuities
peretuity
peretuum
perphenazine
perplantar
perplex
perplexable
perplexed
perplexedly
perplexedness
perplexer
perplexes
perplexing
perplexingly
persecuting
persecutingly
persecution
persecutional
persecutions
persecutive
persecutiveness
persecutor
persecutor's
persecutors
persecutory
persecutress
persecutrix
perseid
perseite
perseitol
perseity
persentiscency
persephone
peres
perseus
perseverance
perseverant
perseverate
perseveration
perseverative
persevere
persevered
perseveres
persevering
perseveringly
persia
persian
persians
persic
persicaria
persicary
persico
persicot
persienne
persiennes
persiflage
persiflate
persifleur
persilicic
persillade
persimmon
persimmons
perspicaciousness
perspicacity
perspicil
perspicous
perspicuity
perspicuous
perspicuously
perspicuousness
perspirability
perspirable
perspirant
perspirate
perspiration
perspirative
perspiratory
perspire
perspired
perspires
perspiring
perspiringly
perspiry
perstand
perstringe
perstringement
persuadability
persuadable
persuadableness
persuadably
persuade
persuaded
persuadedly
persuadedness
persuader
persuaders
persuades
persuading
persuadingly
persuasibility
persuasible
persuasibleness
persuasibly
persuasion
persuasion's
persuasions
persuasive
persuasively
persuasiveness
persusory
persue
persulfate
persulphate
persulphide
persulphocyanate
persulphocyanic
persulphuric
persymmetric
persymmetrical
pert
pertain
pertained
pertaining
pertainment
pertains
perten
pertenencia
perter
pertest
perthiocyanate
perthiocyanic
perthiophyre
perthite
perthic
perthicity
perthophyte
perthosite
pertinaceous
pertinacious
pertinaciously
pertinaciousness
pertinacity
pertinate
pertinence
pertinencies
pertinency
pertinent
pertinentia
pertinently
pertinentness
pertish
pertly
pertness
pertnesses
perturb
perturbability
perturbable
perturbance
perturbancy
perturbant
perturbate
perturbation
perturbation's
perturbational
perturbations
perturbatious
perturbative
perturbator
perturbatory
perturbatrix
perturbed
perturbedly
perturbedness
perturber
perturbing
perturbingly
perturbation
perturbs
pertuse
pertused
pertusion
pertussal
pertussis
perty
peru
peruke
peruked
perukeless
peruker
perukery
perukes
perukier
perukiership
perula
perulate
perule
perusable
perusal
perusals
peruse
perused
peruser
perusers
peruses
perusing
peruvian
peruvians
perv
pervade
pervaded
pervadence
pervader
pervaders
pervades
pervading
pervadingly
pervadingness
pervagate
pervagation
pervalvar
pervasion
pervasive
pervasively
pervasiveness
pervenche
p perverse
perversely
perverseness
persion
perversions
perversite
perversities
perversity
persive
pervert
perverted
pervertedly
pervertedness
pervertor
pervertibility
pervertible
pervertibly
perverting
pervertive
perverts
pervestigate
perviability
perviable
pervial
pervicacious
pervicaciously
pervicaciousness
pervicacity
pestalozzian
peste
pester
pestered
pesterer
pesterers
pestering
pesteringly
pesterment
pesterous
pesters
pestersome
pestful
pesthole
pestholes
pesthouse
pesticidal
pesticide
pesticides
pestiduct
pestiferous
pestiferously
pestiferousness
pestifugous
pestify
pestilence
pestilences
pestilenceweed
pestilencewort
pestilent
pestilential
pestilentially
pestilentialness
pestilently
pestis
pestle
pestled
pestles
pestling
pestological
pestologist
pestology
pestproof
pests
pet
petal
petal's
petalage
petaled
petaliferous
petaliform
petaline
petaling
petalism
petalite
petalled
petalless
petallike
petalling
petalocerous
petalodic
petalodies
petalodont
petalodontid
petalodontoid
petalody
petaloid
petaloidal
petaloideous
petalomania
petalon
petalostichous
petalous
petals
petalwise
petaly
petara
petard
petardeer
petardier
petarding
petards
petary
petasma
petasos
petasoses
petasus
petasuses
petate
petaurine
petaurist
petchart
petcock
petcocks
pete
peteca
petromyzont
petromyzontoid
petronel
petronella
petronellier
petronels
petropharyngeal
petrophilous
petrosa
petrosal
petrosilex
petrosiliceous
petrosilicious
petrosphenoid
petrosphenoidal
petosphere
petrosquamosal
petrosquamous
petrostearin
petrostearine
petrosum
petrotympanic
petrous
petroxolin
pets
pettable
petta
petted
pettedly
pettedness
petter
petter's
petters
petti
pettiagua
pettichaps
petticoat
petticoat's
petticoated
petticoaterie
petticoatery
petticoating
petticoatism
petticoatless
petticoats
petticoaty
pettier
pettiest
pfennigs
pfg
ptflag
pfui
pfund
pfunde
pfx
pg
pgntt
pgnttrp
ph
phacelite
phacella
phacellite
phacellus
phacitis
phacoanaphylaxis
phacocele
phacochere
phacocherine
phacochoere
phacochoerid
phacochoerine
phacochoeroid
phacocyst
phacocystectomy
phacocystitis
phacoglaucoma
phacoid
phacoidal
phacoidoscope
phacolite
phacolith
phacolysis
phacomalacia
phacometer
phacopid
phacosclerosis
phacoscope
phacotherapy
phaecian
phaedra
phaeism
phaelite
phaenantherous
phaenanthery
phaenogam
phaenogamian
phaenogamic
phaenogamous
phaenogenesis
phaenogenetic
phaenological
phaenology
phaenomenal
phaenomenism
phaenomenon
phaenozygous
phaeochrous
phaedarian
phaecosin
phaerophore
phaeophycean
phaeophyteous
phaeophyl
phaeophyll
phaeophytin
phaeoplast
phaesporic
phaesporous
phaet
phaethon
phaeton
phaetons
phage
phageda
phagedaena
phagedaenic
phagedaenical
phagedaenous
phagedena
phagedenic
phagedenical
phagedenous
phages
phagocytably
phagocytal
phagocyte
phagocytet
phagocytic
phagocytism
phagocytize
phagocytized
phagocytizing
phagocytoblast
phagocytolysis
phagocytolytic
phagocytose
phagocytosed
phagocytosing
phagocytosis
phagocytic
phagodynamometer
phagolysis
phagolytic
phagomania
phagophobia
phagosome
phainolion
phalacrocoracine
phalacrosis
phalaenopsid
phalangal
phalange
phalangeal
phalangean
phalanger
phalangerine
phalanges
phalangette
phalangian
phalangic
phalangid
phalangidan
phalangidean
phalangiform
phalangigrade
phalangigrady
phalangi
phalangist
phalangistine
phalangite
phalangitic
phalangitis
phalangologist
phalangology
phalansterial
phalansterian
phalansterianism
phalansteric
phalanstersies
phalansterism
phalansterist
phalanstery
phalanx
phalanxed
phalanxes
phalarica
phalarope
phalaropes
phalera
phalerae
phalerate
phalerated
phaleucian
phallaceous
phallalgia
phallaneurysm
phallephoric
phalli
phallic
phallical
phallically
phallicism
phallicist
phallics
phallin
phallis
phallism
phallisms
phallist
phallists
phallitis
phallodynia
phalloid
phalloncus
phalloplasty
phallorrhagia
phallus
phalluses
phanatron
phane
phaneric
phanerite
phanerocephalous
phanerocodon
phanerocryst
phanerocrystalline
phanerogam
phanerogamia
phanerogamian
phanerogamic
phanerogamous
phanerogamy
phanerogenetic
phanerogenic
phaneroglissal
phaneroglossate
phaneromania
phaneromere
phaneromerous
phanerophyte
phaneroscope
phanerosis
phanerozoic
phanerizonate
phanic
phano
phanos
photonron
phansigar
phantoscope
phantasia
phantasiast
phantasied
phantasies
phantasist
phantasize
phantasm
phantasma
phantasmag
phantasmagoria
phantasmagorial
phantasmagorially
phantasmagorian
phantasmagorianly
phantasmagorias
phantasmagoric
phantasmagorical
phantasmagorically
phantasmagories
phantasmagorist
phantasmagory
phantasmal
phantasmalian
phantasmality
phantasmally
phantasmascopes
phantasmata
phantasmatic
phantasmatical
phantasmatically
phantasmatography
phantasmic
phantasmical
phantasmically
phantasmogenesis
phantasmogenetic
phantasmograph
phantasmological
phantasmology
phantasms
phantast
phantastic
phantastical
phantasts
phantasy
phantasying
phantic
phantom
phantom's
phantomatic
phantomic
phantomical
phantomically
phantomize
phantomizer
phantomland
phantomlike
phantomnation
phantomry
phantoms
phantomship
phantomy
phantoplex
phantoscope
phar
pharaoh
pharaohs
pharaonic
phare
pharian
pharisaic
pharisaical
pharisaically
pharisaicalness
pharisaism
pharisean
pharisee
pharisees
pharm
pharmacal
pharmaceutic
pharmaceutical
pharmaceutically
pharmaceuticals
pharmaceutics
pharmaceutist
pharmacic
pharmacies
pharmacist
pharmacists
pharmacite
pharmacochemistry
pharmacodiagnosis
pharmacodynamic
pharmacodynamical
pharmacodynamically
pharmacodynamics
pharmacoendocrinology
pharmacogenetic
pharmacogenetics
pharmacognosia
pharmacognosis
pharmacognostist
pharmacognostic
pharmacognostical
pharmacognostically
pharmacognostics
pharmacography
pharmacokinetic
pharmacokinetics
pharmacol
pharmacolite
pharmacologia
pharmacologic
pharmacological
pharmacologically
pharmacologies
pharmacologist
pharmacologists
pharmacology
pharmacomania
pharmacomaniac
pharmacomaniacal
pharmacometer
pharmacon
pharmacopedia
pharmacopedic
pharmacopedics
pharmacopeia
pharmacopeial
pharmacopeian
pharmacopeias
pharmacophobia
pharmacopoeia
pharmacopoeial
pharmacopoeian
pharmacopoeias
pharmacopoeic
pharmacopoeist
pharmacopolist
pharmacoposia
pharmacopsychology
pharmacopsychose
pharmacosiderite
pharmacotherapy
pharmacy
pharmakoi
pharmakos
pharmic
pharmuthi
pharo
pharology
pharos
pharoses
pharyngal
pharyngalgia
pharyngalgic
pharyngeal
pharyngealization
pharyngealized
pharyngectomies
pharyngectomy
pharyngemphraxis
pharynges
pharyngic
pharyngismus
pharyngitic
pharyngitis
pharyngoamygdalitis
pharyngobranch
pharyngobranchial
pharyngobranchiate
pharyngocele
pharyngoceratosis
pharyngodynia
pharyngoepiglottic
pharyngoepiglottidean
pharyngoesophageal
pharyngoglossal
pharyngoglossus
pharyngognath
pharyngognathous
pharyngographic
pharyngography
pharyngokeratosis
pharyngolaryngeal
pharyngolaryngitis
pharyngolith
pharyngological
pharyngology
pharyngomaxillary
pharyngomycosis
pharyngonasal
pharyngopalatine
pharyngoplatinus
pharyngoparalysis
pharyngopathy
pharyngoplasty
pharyngoplegia
pharyngoplegic
pharyngoplegy
pharyngopleural
pharyngopneustal
pharyngorhinitis
pharyngorhinoscopy
pharyngoscleroma
pharyngoscope
pharyngoscopy
pharyngospasm
pharyngotherapy
pharyngotome
pharyngotomy
pharyngotonsillitis
pharyngotyphoid
pharyngoxerosis
pharyngotome
pharynx
pharynxes
phascaceous
phascolome
phase
phaseal
phased
phaseless
phaselin
phasemeter
phasemy
phaseolin
phaseolous
phaseolumatin
phaseometer
phaseout
phaseouts
phaser
phasers
phases
phaseun
phasianic
phasianid
phasianine
phasianoid
phasic
phasing
phasis
phasitron
phasm
phasma
phasmajector
phasmatid
phasmatoid
phasmatrope
phasmid
phasmids
phasmoid
phasmophobia
phasogeneous
phasor
phasotropy
phat
phatic
phatically
pheal
phearse
pheasant
pheasant's
pheasantry
pheasants
pheasantwood
pheeal
phellandrene
phellem
phellems
phelloderm
phellodermal
phellogen
phellogenetic
phelogenic
phellonic
phelloplastic
phelloplastics
phellum
phelonia
phelonion
phelononia
phelonions
phemic
phenacaime
phenacetin
phenacetine
phenaceturic
phenacite
phenacyl
phenakism
phenakistoscope
phenakite
phenanthraquinone
phenanthrene
phenanthrenequinone
phenanthridine
phenanthridone
phenanthrol
phenanthroline
phenarsine
phenate
phenazin
phenazine
phenazins
phenazone
phene
phenegol
phenelzine
phenene
phenethicillin
phenethyl
phenetic
pheneticist
phenetics
phenetidin
phenetidine
phenetol
phenetole
phenetols
phenformin
phengite
phengitical
phenic
phenicate
phenicine
phenicious
phenicopher
phenin
phenine
phenix
phenixes
phenmetrazine
phenmiazine
phenobarbital
phenobarbitol
phenobarbitone
phenocain
phenocoll
phenocopies
phenocopy
phenocryt
phenocrystalline
phenocrystic
phenogenesis
phenogenetic
phenol
phenolate
phenolated
phenolia
phenolic
phenolics
phenoliolia
phenolion
phenolions
phenolization
phenolize
phenologic
phenological
phenologically
phenologist
phenology
phenoloid
phenolphthalein
phenols
phenolsulphonate
phenolsulphonephthalein
phenolsulphonic
phenom
phenomena
phenomenal
phenomenalism
phenomenalist
phenomenalistic
phenomenalistically
phenomenalists
phenomenality
phenomenalization
phenomenalize
phenomenalized
phenomenalizing
phenomenally
phenomenalness
phenomenic
phenomenical
phenomenical
phenomenism
phenomenist
phenomenistic
phenomenize
phenomenized
phenomenologic
phenomenological
phenomenologically
phenomenologies
phenomenologist
phenomenology
phenomenon
phenomenona
phenomenons
phenoms
phenoplast
phenoplastic
phenoquinone
phenosafranine
phenosal
phenose
phenosol
phenospermic
phenospermy
phenothiazine
phenotype
phenotypes
phenotypic
phenotypical
phenotypically
phenoxazine
phenoxide
phenoxybenzamine
phenozgyous
phenolamine
phenyl
phenylacetaldehyde
phenylacetamide
phenylacetic
phenylacetaldehyde
phenylalanine
phenylamide
phenylamine
phenylate
phenylated
phenylation
phenylbenzene
phenylboric
phenylbutazone
phenylcarbamic
phenylcarbimide
phenylcarbinol
phenyldiethanolamine
phenylene
phenylenediamine
phenylephrine
phenylethylene
phenylethylmalonylure
phenylethylmalonylurea
phenylglycine
phenylglycolic
phenylglyoxylic
phenylhydrazine
phenylhydrazone
phenyl
phenylketonuria
phenylketonuric
phenylmethane
phenyls
phenylthiocarbamide
phenylthiourea
pheochromocytoma
pheon
pheophyl
pheophyll
pheophytin
pheretrer
pheromonal
pheromone
pheromones
phew
phi
phial
phialae
phialai
phiale
phialed
phialful
phialide
phialine
phialing
phialled
phiallike
phialling
phialophore
phialospore
phials
phies
phil
philabeg
philabegs
philadelphia
philadelphian
philadelphians
philadelphia
philadelphite
philadelphus
philadelphe
philaethist
philamot
philander
philandered
philanderer
philanderers
philandering
philanders
philanthid
philanthrope
philanthropian
philanthropic
philanthropical
philanthropically
philanthropies
philanthropine
philanthropinism
philanthropinist
philanthropise
philanthropised
philanthropising
philanthropism
philanthropist
philanthropic
philanthropists
philanthropize
philanthropized
philanthropizing
philanthropy
philantomba
philarchaist
philaristocracy
philatelic
philatelical
philatelically
philatelism
philatelist
philatelic
philatelists
philately
philathletic
philaudy
philematology
philemon
philharmonic
philharmonics
philhellenic
philhellenic
philhellenism
philhellenist
philhippic
philhymnic
philia
philiater
philibeg
philibegs
philic
philine
philip
philippians
philippic
philippicize
philippics
philippina
philippine
philippines
philippize
philippizer
philippus
philister
philista
philistine
philistines
philistonism
philliliew
philliloo
phillepeener
phillippi
phillipsine
phillipsite
phillis
phillumenist
phillyrea
phillyrin
philobiblilian
philobiblic
philobiblical
philobiblist
philobotanic
philobotanist
philobrutish
philocalic
philocalist
philocaly
philocathartic
philocathartic
philocatholic
philocomal
philocubist
philocynic
philocynical
philocynicism
philocyny
philodemic
philodendra
philodendron
philodendrons
philodespot
philodestructiveness
philodox
philodoxer
philodoxical
philodramatic
philodramatist
philofelist
philofelon
philogarlic
philogastric
philogeant
philogenitive
philogenitiveness
philograph
philographic
philogynaecic
philogynist
philognous
philogyny
philohellenian
philokleptic
philol
philoleucosis
philologaster
philologastry
philologer
philologian
philologic
philological
philologically
philologist
philologistic
philologists
philologize
philologue
philology
philomath
philomathematic
philomathematical
philomathic
philomathical
philomathy
philome
philomel
philomela
philomelanist
philomelian
philomels
philomuse
philomusical
philomystic
philomythia
philomythic
philonatural
philoneism
philonian
philonist
philonium
philonoist
philopagan
philopater
philopatrian
philopena
philophilosophos
philopig
philoplutonic
philopoet
philopogon
philopolemic
philopolematic
philopornist
philoprogenity
philoprogenitive
philoprogenitiveness
philopterid
philopublican
philaradical
phlorchidaceous
phlornithic
phlorthodox
philos
philosoph
philosophaster
philosophastering
philosophastry
philosophe
philosophedom
philosopheme
philosopher
philosopher's
philosopheress
philosophers
philosophership
philosophes
philosophess
philosophic
philosophical
philosophically
philosophicalness
philosophicide
philosophicohistorical
philosophicojuristic
philosophicolegal
philosophicopsychological
philosophicoreligious
philosophicotheological
philosophies
philosophilous
philosophisation
philosophise
philosophised
philosophiser
philosophising
philosophism
philosophist
philosophister
philosophistic
philosophistical
philosophisation
philosophize
philosophized
philosophizer
philosophizers
philosophizes
philosophizing
philosophing
philosophobia
philosophocracy
philosophuncule
philosophunculist
philosophy
philosophy's
philotadpole
philotechnic
philotechnical
philotechnist
philothaumaturgic
philotheism
philotheist
philotheistic
philotheosophical
philothearian
philothearianism
philoxygenous
philozoic
philozoiist
philozoonist
philter
philtered
philterer
philtering
philterproof
philters
philtra
philtre
philtred
philtres
philtr
philtring
philtrum
philydraceous
phimosed
phimoses
phimosis
phimotic
phippe
phis
phit
phitones
phiz
phizes
phizog
phlebalgia
phlebangioma
phlebarteriectasia
phlebarteriodialysis
phlebection
phlebecstasis
phlebecstasy
phlebectomy
phlebectopia
phlebectomy
phlebemia
phlebemphraxis
phlebenteric
phlebenterism
phlebitic
phlebitis
phlebogram
phlebograph
phlebographic
phlebographical
phlebography
phleboid
phleboidal
phlebolite
phlebolith
phlebolithiasis
phlebolithic
phlebolitic
phlebolological
phlebology
phlebometritis
phlebopexy
phleboplasty
phleborrhave
phleborrhagia
phleborrhaphy
phleborrhexis
phlebosclerosis
phlebosclerotic
phlebostasia
phlebostasis
phlebostenosis
phlebostrepsis
phlebothrombosis
phlebotome
phlebotomic
phlebotomical
phlebotomically
phlebotomies
phlebotomisation
phlebotomise
phlebotomised
phlebotomising
phlebotomist
phlebotomization
phlebotomize
phlebotomus
phlebotomy
phlegethon
phlegm
phlegma
phlegmagogue
phlegmasia
phlegmatic
phlegmatical
phlegmatically
phlegmaticalness
phlegmaticly
phlegmaticness
phlegmatism
phlegmatist
phlegmatized
phlegmatous
phlegnier
phlegniest
phlegmless
phlegmon
phlegmonic
phlegmonoid
phlegmonous
phlegms
phlegmy
phlobaphene
phlobatannin
phloem
phloems
phloeophagous
phloeoterma
phloem
phlogisma
phlogistian
phlogistic
phlogistical
phlogisticate
phlogistication
phlogiston
phlogistonism
phlogistonist
phlogogenetic
phlogogenic
phlogogenous
phlogopite
phlogosed
phlogosin
phlogosis
phlogotic
phloretic
phloretin
phlorhizin
phloridzin
phlorina
phlorizin
phloroglucic
phloroglucin
phloroglucinol
phlorol
phlorone
phlorhizin
phoenician
phoenicians
phoenicite
phoenicochroite
phoenicopte
phoenicoptroid
phoenicopterus
phoenicurious
phoenigm
phoenix
phoenixes
phoenixity
phoenixlike
phoh
phokomelia
pholad
pholadian
pholadid
pholadoid
pholas
pholcid
pholcoid
pholido
pholidolite
pholidosis
pholidote
phon
phonasthenia
phonate
phonated
phonates
phonating
phonation
phonatory
phonautogram
phonograph
phonautographic
phonautographically
phone
phoned
phoneidoscope
phoneidoscopic
phoneier
phoneiest
phonematic
phonematics
phoneme
phoneme's
phonemes
phonemic
phonemically
phonemicist
phonemicize
phonemicized
phonemicizing
phonemics
phonendoscope
phoner
phones
phonesis
phonetheme
phonesthemic
phonet
phonetic
phonetical
phonetically
phonetician
phoneticians
phoneticism
phoneticist
phoneticization
phoneticize
phoneticogrammatical
phoneticohieroglyphic
phonetics
phonetism
phonetist
phonetization
phonetize
phoney
phoneys
phonghi
phoniatic
phoniatic
phoniatics
phoniatry
phonic
phonically
phonics
phonier
phonies
phoniest
phonikon
phonily
phoniness
phoning
phoronomics
phoronomy
phoroscope
phorozooid
phorrhea
phos
phose
phosgene
phosgenes
phosgenic
phosgenite
phosis
phosphagen
phospham
phosphamic
phosphamide
phosphamidic
phosphamidon
phosphammonium
phosphatase
phosphate
phosphate's
phosphated
phosphatemia
phosphates
phosphatese
phosphatic
phosphatide
phosphatidic
phosphatidyl
phosphatidylcholine
phosphation
phosphatisation
phosphatise
phosphatised
phosphatising
phosphatization
phosphatize
phosphatized
phosphatizing
phosphaturia
phosphaturic
phosphene
phospheryl
phosphid
phosphide
phosphids
phosphin
phosphinate
phosphine
phosphinic
phosphins
phosphite
phospho
phosphoaminolipide
phosphocarnic
phosphocreatine
phosphodiesterase
phosphoenolpyruvate
phosphoferrite
phosphofructokinase
phosphoglucomutase
phosphoglyceraldehyde
phosphoglycerate
phosphoglyceric
phosphoglycoprotein
phosphokinase
phospholipase
phospholipid
phospholipide
phospholipin
phosphomolybdate
phosphomolybdic
phosphomonoesterase
phosphonate
phosphonic
phosphonium
phosphonuclease
phosphophor
phosphophyllite
phosphoprotein
phosphor
phosphorate
phosphorated
phosphorating
phosphere
phosphoreal
phosphorent
phosphorous
phosphoresce
phosphoresced
phosphorescence
phosphorescent
phosphorescently
phosphorescing
phosphoreted
phosphoretted
phosphorhidrosis
phosphor
phosphoric
phosphorical
phosphoriferous
phosphorisation
phosphorise
phosphorised
phosphorising
phosphorism
phosphorite
phosphoritic
phosphorize
phosphorizing
phosphorogen
phosphorogene
phosphorogenic
phosphorograph
phosphorographic
phosphorography
phosphorolysis
phosphoroletic
phosphoroscope
phosphorous
phosphors
phosphoruria
phosphorus
phosphoryl
phosphorylase
phosphorylate
phosphorylated
phosphorylating
phosphorylation
phosphorylative
phosphosilicate
phosphotartaric
phosphotungstate
phosphotungstic
phosphowolframic
phosphuranylite
phosphuret
phosphuria
phosphyl
phoss
phossy
phot
photoaesthesia
photaesthesia
photaesthetic
photalk
photalgia
photechy
photograph
photocolic
photerythrous
photesthesis
photic
photically
photics
photinia
photism
photistic
photo
photo's
photoactinic
photoactivate
photoactivation
photoactive
photoactivity
photoesthetic
photoalbum
photoalgraphy
photoanamorphosis
photoaquatint
photoautotrophic
photoautotrophically
photobatic
photobiography
photobiologic
photobiological
photobiologist
photobiology
photobiotic
photobromide
photocampsis
photocatalysis
photocatalyst
photocatalytic
photocatalyzer
photocathode
photocell
photocells
photocellulose
photoceptor
photoceramic
photoengraves
photoengraving
photoengravings
photoepinastic
photoepinastically
photoepinasty
photoesthesis
photoesthetic
photoetch
photoetched
photoetcher
photoetching
photofilm
photofinish
photofinisher
photofinishing
photofission
photoflash
photoflight
photoflood
photofloodlamp
photofluorogram
photofluorograph
photofluorographic
photofluorography
photog
photogalvanograph
photogalvanographic
photogalvanography
photogastroscope
photogelatin
photogen
photogene
photogenetic
photogenic
photogenically
photogenous
photogeny
photogeologic
photogeological
photogeology
photoglyph
photoglyphic
photoglyphography
photoglyphy
photoglyptic
photoglyptography
photogram
photogrammeter
photogrammetric
photogrammetrical
photogrammetrist
photogrammetry
photograph
photographable
photographed
photographee
photographer
photographeress
photographers
photographess
photographic
photographical
photographically
photographing
photographist
photographize
photographometer
photographs
photography
photograt
photogravure
photogravurist
photogs
photogryic
photohalide
photoheliograph
photoheliographic
photoheliographic
photoheliography
photoheliometer
photohyponastic
photohyponastically
photohyponasty
photoimpression
photoinactivation
photoinduced
photoinduction
photoinductive
photoing
photoinhibition
photointaglio
photoionization
photoisomeric
photoisomerization
photoist
photojournalism
photojournalist
photojournalistic
photojournalists
photokinesis
photokinetic
photolith
photolitho
photolithograph
photolithographer
photolithographic
photolithographically
photolithography
photolithoprint
photologic
photological
photologist
photology
photoluminescence
photoluminescent
photoluminescently
photoluminescents
photolysis
photolyte
photolytic
photolytically
photolyzable
photolyze
photom
photoma
photomacrograph
photomacrography
photomagnetic
photomagnetism
photomap
photomappe
photomapped
photomapper
photomappi
photomapping
photomaps
photomechanical
photomechanically
photometeor
photometer
photometers
photometric
photometrical
photometrically
photometrician
photometrist
photometerograph
photometry
photomezzotype
photomicrogram
photomicrograph
photomicrographer
photomicrographic
photomicrographical
photomicrographically
photomicrographs
photomicrography
photomicroscope
photomicroscopic
photomicroscopy
photomontage
photomorphogenesis
photomorphogenic
photomorphosis
photomultiplier
photomural
photomurals
photon
photonic
photons
photonuclear
photooxidation
photooxidative
photopathic
photopathy
photoperceptive
photoperimeter
photoperiod
photoperiodic
photoperiodically
photoperiodism
photophane
photophile
photophilic
photophilous
photophily
photophobe
photophobia
photophobic
photophobic
photophone
photophonic
photophony
photophore
photophoresis
photophosphorescent
photophosphorylation
photophygous
photophysical
photophysicist
photopia
photopias
photopic
photopile
photopitometer
photoplay
photoplayer
photoplays
photoplaywright
photography
photopolarigraph
photopolymer
photopolymerization
photopositive
photoprint
photoprinter
photoprinting
photoprocess
photoproduct
photoproduction
photoproton
photometer
photoradio
photoradiogram
photoreactivating
photoreactivation
photoreception
photoreceptive
photoreceptor
photoreconnaissance
photorecorder
photorecording
photoreduction
photoregression
photorelief
photoresist
photoresistance
photorespiration
photos
photosalt
photosantonic
photoscope
photoscopic
photocopy
photosculptural
photosculpture
photosensitive
photosensitiveness
photosensitivity
photosensitization
photosensitize
photosensitized
photosensitizer
photosensitizes
photosensitizing
photosensory
photoset
photosets
photosetter
photosetting
photospectroheliograph
photospectroscope
photospectroscopic
photospectroscopical
photospectroscopy
photosphere
photospheres
photospheric
photospherically
photostability
photostable
photostat
photostated
photostater
photostatic
photostatically
photostating
photostationary
photostats
photostatted
photostatter
photostatting
photostereograph
photosurveying
photosyntax
photosynthesize
photosynthesize
photosynthesized
photosynthesizes
photosynthesizing
photosynthetic
photosynthetically
photosynthometer
phototachometer
phototachometric
phototachometrical
phototachometry
phototactic
phototactically
phototactism
phototaxis
phototaxy
phototechnic
phototelegraph
phototelegraphic
phototelegraphically
phototelegraphy
phototelephone
phototelephony
phototelescope
phototelescopic
phototheodolite
phototherapeutic
phototherapeutics
phototherapic
phototherapies
phototherapist
phototherapy
photothermic
phototimer
phototonic
phototonus
phototopographic
phototopographical
phototopography
phototransceiver
phototransistor
phototrichromatic
phototrope
phototroph
phototrophic
phototrophy
phototropic
phototropically
phototropism
phototropy
phototube
phototype
phototypesetter
phototypesetters
phototypesetting
phototypic
phototypically
phototypist
phototypographic
phototypography
phototypy
photovisual
photovitrotype
photovoltaic
photoxylography
photozinc
photozincograph
photozincographic
photozincography
photozincotype
photozincotypy
photophotonegative
phot
photuria
phousdar
phpht
phr
phroma
phragmocone
phragmoconic
phragmocytarous
phragmoid
phragmoplast
phragmosis
phrrampel
phrrisaical
phrasable
phrasal
phrasally
phreneticness
phrenic
phrenicectomy
phrenicocolic
phrenicocostal
phrenicogastric
phrenicoglottic
phrenicohepatic
phrenicolienal
phrenicopericardiac
phrenicosplenic
phrenicotomy
phrenics
phrenitic
phrenitis
phrenocardia
phrenocardiac
phrenocolic
phrenocostal
phrenodynamia
phrenogastric
phrenoglottic
phrenogrady
phrenograih
phrenogram
phrenograph
phrenography
phrenohepatic
phrenol
phrenologer
phrenologic
phrenological
phrenologically
phrenologies
phrenologist
phrenologists
phrenologize
phrenology
phrenomagnetism
phrenomesmerism
phrenopathia
phrenopathic
phrenopathy
phrenopericardiac
phrenoplegia
phrenoplegy
phrenosin
phrenosinic
phthisic
phthisical
phthisicky
phthisics
phthisiogenesis
phthisiogenetic
phthisiogenic
phthisiologist
phthisiology
phthisiophobia
phthisiotherapeutic
phthisiotherapy
phthisipneumonia
phthisipneumony
phthisis
phthongal
phthongometer
phthor
phthoric
phu
phugoid
phulkari
phulwa
phulwara
phut
phycic
phycite
phycitol
phycochrom
phycochromaceae
phycochromaceous
phycochrome
phycochromophyceous
phyccolloid
phyccyanin
phyccyanogen
phycoerythrin
phyccography
phyccological
phyccologist
phyccology
phyccomycete
phyccomycetes
phyccomycetous
phyccophaein
phyccoxanthin
phyccoxanthine
phyccogalactic
phyla
phylacobiosis
phylacobiotic
phylacteric
phylacterical
phylacteried
phylacteries
phylacterize
phylactery
phylactic
phylactocarp
phylactocarpal
phylactolaematous
phylae
phylar
phylarch
phylarchic
phylarchical
phylarchy
phylartry
phylaxis
phylaxisises
phyle
phylephebic
phyleses
phylesis
phylesises
phyletic
phyletically
phyletism
phylic
phyllade
phyllamania
phyllamorph
phyllaries
phyllary
phylliform
phyllin
phylline
phyllis
phyllite
phyllites
phyllitic
phyllobranchia
phyllobranchial
phyllobranchiate
phyllocarid
phyllocaridan
phyllocerate
phylloclad
phylloclade
phyllocladia
phyllocladioid
phyllocladium
phyllocladous
phyllocladic
phyllocyanic
phyllocyanin
phyllocyst
phyllocystic
phylloide
phylloides
phylloidia
phylloidial
phylloclination
phylloidineous
phylloclination
phylloclinous
phylloidium
phylloydia
phylloid
phylloerythrin
phyllogenetic
phyllogenous
phylloid
phylloidial
phylloidious
phylloids
phylloomancy
phylloomania
phylloeme
phylloemes
phyllocemic
phyllocorphic
phyllocorphic
phylloclomorphosis
phylloclomorph
phyllophagan
phyllophagous
phyllophore
phyllophorous
phyllophyllin
phyllophyte
phyllopod
phyllopodan
phyllopode
phyllopodiform
phyllopodium
phyllopodous
phylloporphyrin
phyloptosis
phyllopyrrole
phyloquinone
phyllorhine
phyllorhinine
phylloscopine
phyllosilicate
phyllosphonic
phyllosoma
phyllosome
phyllospondylous
phyllostomatoid
phyllostomatous
phyllostome
phyllostomine
phyllostomous
phyllotactic
phyllotactical
phyllotaxic
phyllotaxis
phyllotaxy
phyllous
phylloxanthin
phylloxera
phylloxerae
phylloxeran
phylloxeras
phylloxeric
phyllozooid
phylogenesis
phylogenetic
phylogenetical
phylogenetically
phylogenetic
phylogenist
phylogeny
phylogerontic
phylogerontism
phylography
phylology
phylon
phyloneanic
phylonepionic
phylum
phylumla
phyma
phymas
phymata
phymatic
phymatid
phymatoid
phymatorhysin
phymatosis
phys
physa
physagogue
physalia
physalian
physalite
physcioid
physes
physeter
physeterine
physeteroid
physharmonica
physianthropy
physiatric
physiatrical
physiatrics
physiatrist
physic
physical
physicalism
physicalist
physicalistic
physicalistically
physicalities
physicality
physically
physicalness
physicals
physician
physician's
physicianary
physiciancy
physicianed
physicianer
physicianess
physicianing
physicianless
physicianly
physicians
physicianship
physicism
physicist
physicist's
physicists
physicked
physicker
physicking
physicks
physicky
physicoastronomical
physicobiological
physicochemic
physicochemical
physicochemically
physicochemist
physicochemistry
physicogeographical
physicologic
physiological
physicomathematical
physicmathematics
physicomechanical
physicomedical
physicomental
physicomorph
physicomorphic
physicomorphism
physicooptics
physicophilosophical
physicophilosophy
physicophysiological
physicopsychical
physicosocial
physicotheological
physicotheologist
physicotheology
physicotherapeutic
physicotherapeutics
physicotherapy
physics
physid
physiform
physiochemical
physiochemically
physiochemistry
physiocracy
physiocrat
physiocratic
physiocratism
physiocratist
physiogenesis
physiogenetic
physiogenic
physiogeny
physiognomic
physiognomical
physiognominically
physiognomics
physiognomies
physiognomist
physiognomize
physiognonomic
physiognomonical
physiognomonically
physiognomy
physiogony
physiographer
physiographic
physiographical
physiographically
physiography
physiol
physiolater
physiolatrous
physiolatry
physiologer
physiologist
physiologic
physiological
physiologically
physiologicoanatomic
physiologies
physiologist
physiologists
physiologize
physiologue
physiologus
physiology
physiopathologic
physiopathological
physiopathologically
physiopathology
physiophilist
physiophilosopher
physiophilosophical
physiophilosophy
physiopsychic
physiopsychical
physiopsychological
physiopsychology
physiosociological
physiosophic
physiosophy
physiotherapeutic
physiotherapeutical
physiotherapeutics
physiotherapies
physiotherapist
physiotherapists
physiotherapy
physiotype
physiotypy
physique
physiqued
physiques
phasis
physisheism
physisheist
physisheistic
physisitism
physiurgic
physiurgy
physnomy
physocarpous
physocele
physoclist
physoclistic
physoclistous
physogastic
physogastrism
physogastry
physometra
physonecous
physophora
physophorant
physophore
physophorous
physopod
physopodan
physostigma
physostigmine
physostomatous
physostome
physostomous
phytalbumose
phytane
phytanes
phytase
phytate
phytic
phytiferous
phytiform
phytin
phytins
phytivorous
phytoalexin
phytobacteriology
phytobezoar
phytobiological
phytobiologist
phytobiology
phytochemical
phytochemically
phytochemist
phytochemistry
phytichlore
phytochlorin
phytochrome
phytocidal
phytocide
phytoclimatologic
phytoclimatological
phytoclimatology
phytocoenoses
phytocoenosis
phytodynamics
phytoecological
phytoecologist
phytoecology
phytoflagellate
phytogamy
phytogenesis
phytogenetic
phytogenetical
phytogenetically
phytogenic
phytogenous
phytogeny
phytogeographer
phytogeographic
phytogeographical
phytogeographically
phytogeography
phytoglobulin
phytognomy
phytograph
phytographer
phytographic
phytographical
phytographist
phytography
phytohaemagglutinin
phytohemagglutinin
phytohormone
phytoid
phytokinin
phytol
phytolacca
phytolaccaceous
phytolatrous
phytolatry
phytolite
phytolith
phytolithological
phytolithologist
phytolithology
phytologic
phytological
phytologically
phytologist
phytology
phytoma
phytome
phytomer
phytomera
phytometer
phytometric
phytometry
phytomonad
phytomorphic
phytomorphology
phytomorphosis
phyton
phytonadione
phytonic
phytonomist
phytonomy
phytons
phytooecology
phytopaleontologic
phytopaleontological
phytopaleontologist
phytopaleontology
phytoparasite
phytopathogen
phytopathogenic
phytopathologic
phytopathological
phytopathologist
phytopathology
phytophagan
phytophage
phytophagic
phytophagous
phytophagy
phytopharmacologic
phytopharmacology
phytophenological
phytophenology
phytophil
phytophilous
phytophylogenetic
phytophylogenic
phytophylogy
phytophysiological
phytophysiology
phytoplankton
phytoplanktonic
phytoplasm
phytopsyche
phytoptid
phytoptose
phytoptosis
phytorthodin
phytosaur
phytosaurian
phytoserologic
phytoserological
phytoserologically
phytoserology
phytosis
phytosociologic
phytosociological
phytosociologically
phytosociologist
phytosociology
phytosterin
phytosterol
phytostrote
phytosuccivorous
phytosynthesis
phytotaxonomy
phytotechny
phytoteratologic
phytoteratological
phytoteratologist
phytoteratology
phytotomist
phytotomy
phytotopographical
phytotopography
phytotoxic
phytotoxicity
phytotoxin
phytotron
phytovitellin
phytozoan
phytozoon
phytyl
pi
pia
piaba
piacaba
piacevole
piache
piacle
piacula
piacular
piacularity
piacularly
piacularness
piaculum
piaffe
piaffed
piaffer
piaffers
piaffes
piaffing
pial
piala
pialyn
pian
pianet
pianeta
pianette
piangendo
pianic
pianino
pianism
pianisms
pianissimo
pianissimos
pianist
pianiste
pianistic
pianistically
pianistiec
pianists
pianka
piannet
piano
piano's
pianoforte
pianofortes
pianofortist
pianograph
pianola
pianolist
pianologue
pianos
pianosa
pians
piarhaemic
piarhemia
piarhemic
piarist
pias
piasaba
piasabas
piasava
piasavas
piassaba
piassabas
piassava
piassavas
piaster
piasters
piastre
piastres
piation
piatti
piazadora
piazin
piazine
piazza
pickaxing
pickback
picked
pickedevant
pickedly
pickedness
pickee
pickeer
pickeered
pickeering
pickeers
pickel
pickelhaube
picker
pickerel
pickerels
pickerelweed
pickering
pickeringite
pickers
pickery
picket
picketboat
picketed
picketeer
picketer
picketers
picketing
pickets
pickfork
pickier
pickiest
pickietar
pickin
picking
pickings
pickle
pickled
picklelike
pickleman
pickler
pickles
pickleweed
pickleworm
pickling
picklock
picklocks
pickman
pickmaw
pickmen
picknick
picknicker
pickoff
pickoffs
pickout
pickover
pickpenny
pickpocket
pickpocketism
pickpocketery
pickpockets
pickpole
pickproof
pickpurse
picks
pickshaft
picksman
picksmith
picksome
picksomeness
pickthank
pickthankly
pickthankness
pickthatch
picktooth
pickup
pickup's
pickups
pickwick
pickwickian
pickwicks
pickwork
picky
 pieloram
pielorams
picnic
picnic's
picnicked
picnicker
picnickers
picnickery
picnicking
picnickish
picnicky
picnics
picnometer
pico
picocurie
picofarad
picogram
picograms
picoid
picojoule
picolin
picoline
picolines
picolinic
picolins
picometer
picong
picornavirus
picory
picosecond
picoseconds
picot
picotah
picote
picoted
picotee
picotees
picoting
picotite
picots
picottah
picowatt
picquet
picqueter
picquets
picra
picramic
picasmin
picrate
picrated
picrates
picric
picrite
picrites
picrocarmine
picroerythrin
picrol
picrolite
picromerite
picropodophyllin
picrorhiza
picrohizin
picrotine
picrotoxic
picrotoxin
picrotoxinin
picry
picroyl
pics
pict
pictarnie
pictogram
pictograph
pictographic
pictographically
pictographs
pictography
pictoradiogram
pictorial
pictorialisation
pictorialise
pictorialised
pictorialising
pictorialism
pictorialist
pictorialization
pictorialize
pictorially
pictorialness
pictorials
pictoric
pictorical
pictorically
pictun
picturability
picturable
picturableness
picturably
pictural
picture
picturecraft
pictured
picturedom
picturedrome
pictureful
picturegoer
pictureless
picturelike
picturely
picturemaker
picturemaking
picturephone
picturephones
picturer
picturers
pictures
picturesque
picturesquely
picturesqueness
picturesquish
picturing
picturization
picturize
picturized
picturizing
pictory
picucule
picuda
picudilla
picudo
picul
picule
piculet
piculs
piculule
pidan
piddle
piddled
piddler
piddlers
piddles
piddling
piddlingly
piddock
piddocks
pidgin
pidginization
pidginize
pidgins
pidgized
pidgizing
pidjajap
pie
piebald
piebaldism
piebaldly
piebaldness
pientao
piepan
pieplant
pieplants
piepoudre
piepowder
pieprint
pier
pierage
pierce
pierceable
pierced
piercel
pierceless
piercent
piercer
piercers
pierces
piercing
piercingly
piercingness
pierdrop
pierhead
pierian
pierid
pieridine
pierine
pierless
pierlike
pierre
pierrette
pierrot
pierrotic
pierrots
piers
piert
pies
pieshop
piest
pier
pieta
pietas
pietic
pieties
pietism
pietisms
pietist
pietistic
pietistical
pietistically
pietisticalness
pietists
pieton
pietose
pietoso
piety
piewife
piewipe
piewoman
piezo
piezochemical
piezochemistries
piezochemistry
piezocrystallization
piezoelectric
piezoelectrically
piezoelectricity
piezometer
piezometric
piezometrical
piezometry
pifero
piff
piffero
piffle
piffled
piffler
piffles
piffling
pifine
pig
pig's
pigbelly
pigboat
pigboats
pigdan
pigdom
pigeon
pigeon's
pigeonable
pigeonberries
pigeonberry
pigeoneer
pigeoner
pigeonfoot
pigeogram
pigeonhearted
pigeonheartedness
pigeonhole
pigeonholed
pigeonholer
pigeonholes
pigeonholing
pigeonite
pigeonman
pigeonneau
pigeonpox
pigeonry
pigeons
pigeontail
pigeonweed
pigeonwing
pigeonwood
pigface
pigfish
pigfishes
pigflower
pigfoot
pigful
pigg
pigged
piggeries
piggery
piggie
piggier
piggies
piggiest
piggin
pigging
piggins
piggish
piggishly
piggishness
piggle
piggy
piggyback
piggybacked
piggybacking
piggybacks
pighead
pigheaded
pigheadedly
pigheadedness
pigherd
pight
pighthel
pighthle
pigless
piglet
piglets
piglike
pigling
piglinghood
pigly
pigmaker
pigmaking
pigman
pigmeat
pigment
pigmental
pigmentally
pigmentary
pigmentation
pigmentations
pigmented
pigmenting
pigmentize
pigmentolysis
pigmentophage
pigmentose
pigments
pigmew
pigmies
pigmy
pignet
pignolia
pignon
pignora
pignorate
pignorated
pignoration
pignoratitious
pignorative
pignus
pignut
pignuts
pigpen
pigpens
pigritia
pigritude
pigroot
pigroots
pikestaff
pikestaves
piketail
pikey
piki
piking
pikle
piky
pil
pilaf
pilaff
pilaffs
pilafs
pilage
pilandite
pilapil
pilar
pilary
pilaster
pilastered
pilastering
pilasters
pilastrade
pilastraded
pilastric
pilate
pilau
pilaued
pilaus
pilaw
pilaws
pilch
pilchard
pilchards
pilcher
pilcherd
pilcorn
pilcrow
pile
pilea
pileata
pileate
pileated
piled
pilei
pileiform
pileless
pileolated
pilgrimwise
pili
pildium
pilies
pilifer
piliferous
piliform
piligan
piliganin
piliganine
piligerous
pilkai
pilkia
pililoo
pilimdiction
pilin
piline
piling
pilings
pilipilula
pilis
pilitico
pilkins
pill
pill's
pillage
pillageable
pillaged
pillagee
pillager
pillagers
pillages
pillaging
pillar
pillared
pillaret
pillaring
pillarist
pillarize
pillarlet
pillarlike
pillars
pillarwise
pillary
pillas
pillbox
pillboxes
pilled
pilledness
piller
pillery
pillet
pilleus
pillhead
pillcock
pilling
pillion
pillions
pilliver
pilliwinks
pillmaker
pillmaking
pillmonger
pilloried
pillories
pillorization
pillorize
pillory
pillorying
pillow
pillow's
pillowbeer
pillower
pillowerere
pillowcase
pillowcases
pillowed
pillowing
pillowless
pillowlke
pillowmade
pillows
pillowslip
pillowslips
pillowwork
pillowy
pills
pillular
pillule
pillworm
pillwrot
pilm
pilmy
pilocarpidine
pilocarpin
pilocarpine
pilocystic
piloerection
pilomotor
pilon
piloncillo
pilonidal
pilori
pilose
pilosebaceous
pilosin
pilosine
pilosis
pilosism
pilosities
pilosity
pilot
pilotage
pilotages
pilotaxitic
piloted
pilotee
pilotfish
pilotfishes
pilothouse
pilothouses
piloti
piloting
pilotings
pilotism
pilotless
pilotman
pilotry
pilots
pilotship
pilotweed
pilous
pilpul
pilpulist
pilpulistic
pilsener
pilseners
pilsner
pilsners
piltock
pilula
pilular
pilule
pilules
pimps
pimpship
pin
pin’s
pina
pinabete
pinaceous
pinaces
pinachrome
pinacle
pinacocytal
pinacocyte
pinacoid
pinacoidal
pinacol
pinacolate
pinacolic
pinacolin
pinacoline
pinacone
pinacoteca
pinacotheca
pinaculum
pin afore
pin afores
pinakiolite
pinakoid
pinakoidal
pinakotheke
pinang
pinangs
pinard
pinards
pinas
pinaster
pinasters
pinata
pinatas
pinatype
pinaverdol
pinax
pinayusa
pinball
pinballs
pinbefore
pinbone
pinbones
pinbrain
pinbush
pincase
pincement
pincer
pincerlike
pincers
pincerweed
pincette
pinch
pinchable
pinchback
pinchbeck
pinchbelly
pinchbottle
pinchbug
pinchbugs
pinchcock
pinchcommons
pinchcrust
pinche
pincheck
pinchecks
pinched
pinchedly
pinchedness
pinchem
pincher
pinchers
pinches
pinchfist
pinchfisted
pinchgut
pinching
pinchingly
pinchpenny
pin coffin
pincpine
pincushion
pincushions
pincushiony
pind
pinda
pindal
pindari
pindaric
pindarical
pindarically
pindarics
pinder
pinders
pindjajap
pindling
pindy
pine
pineal
pinealectomy
pinealism
pinealoma
pineapple
pineapple's
pineapples
pinebank
pinecone
pinecones
pined
pinedrops
pineland
pinelike
pine
pinenes
piner
pineries
pinery
pines
pinesap
pinesaps
pineta
pinetum
pineweeds
pinewood
pinewoods
piney
pinfall
pinfeather
pinfeathered
pinfeatherer
pinfeathers
pinfeathery
pinfire
pinfish
pinfishes
pinfold
pinfolded
pinfolding
pinfolds
ping
pinks
pinksome
pinkster
pinkweed
pinkwood
pinkwort
pinky
pinless
pinlock
pinmaker
pinmaking
pinman
pinna
pinnace
pinnaces
pinnacle
pinnacle's
pinnacled
pinnacles
pinnaclet
pinnacleing
pinnae
pinnage
pinnaglobin
pinnal
pinnas
pinnate
pinnated
pinnatedly
pinnately
pinnatifid
pinnatifidly
pinnatifoliate
pinnatifoliate
pinnation
pinnatipartite
pinnatiped
pinnatisect
pinnatisected
pinnatodentate
pinnatopectinate
pinnatulate
pinned
pinnel
pinner
pinners
pinnet
pinniferous
pinniform
pinnigerous
pinnigrade
pinninervate
pinninerved
pinning
pinningly
pinnings
pinniped
pinnipedian
pinnipeds
pinnisect
pinnisected
pinnitarsal
pinnitentaculate
pinniwinkis
pinnock
pinnote
pinnotere
pinnothere
pinnotherian
pinnula
pinnulae
pinnular
pinnulate
pinnulated
pinnule
pinnules
pinnulet
pinny
pinnywinkle
pinnywinkles
pino
pinocchio
pinochle
pinochles
pinocle
pinocles
pinocytosis
pinocytotic
pinocytotically
pinole
pinoles
pinoleum
pinolia
pinolin
pinon
pinones
pinonic
pinons
pinot
pinoutpinpatch
pinpillow
pinpoint
pinpointed
pinpointing
pinpoints
pinprick
pinpricked
pinpricking
pinpricks
pinproof
pinrail
pinrowed
pins
pinscher
pinschers
pinsetter
pinsetters
pinson
pinsons
pinspotter
pinspotters
pinstripe
pinstriped
pinstripes
pint
pint's
pinta
pintada
pintadas
pintadera
pintado
pintadoes
pintadoite
pintados
pintail
pintails
pintano
pintanos
pintas
pinte
pintid
pintle
pintles
pinto
pintoes
pintos
pints
pintsize
pintura
pinuela
pinulus
pinup
pinups
pinus
pinwale
pinwales
pinweed
pinweeds
pinwheel
pinwheels
pinwing
pinwork
pinworks
pinworm
pinworms
pinx
pinxit
pinxter
piny
pinyin
piny
pinyon
pinyons
piolet
piolets
pion
pioned
pioneer
pioneerdom
pioneered
pioneering
pioneers
pioneership
pionery
pionic
pionnotes
pions
pioscope
piosities
piosity
pioted
piotine
pioty
pioupiou
pioury
pious
piously
piousness
pip
pipa
pipage
pipages
pipal
pipals
pipe
pipeage
pipeages
pipeclay
pipecolin
pipecoline
pipecolinic
piped
pipedream
pipefish
pipefishes
pipefitter
pipefitting
pipeful
pipefuls
pipelayer
pipelaying
pipeless
pipelike
pipeline
pipelined
pipelines
pipelining
pipeman
pipemouth
piper
piperaceous
piperate
piperazin
piperazine
piperic
piperide
piperideine
piperidge
piperidid
piperidide
piperidin
piperidine
piperine
piperines
piperitious
piperitone
piperly
piperno
piperocaine
piperoid
piperonal
piperonyl
pipers
pipery
piperylene
pipes
pipestapple
pipestem
pipestems
pipestone
pipet
pipets
pipette
pipetted
pipettes
pipetting
pipewalker
pipewood
pipework
pipwort
pipey
pi
pipid
pipier
pipiest
pipikaula
piping
pipingly
pipingness
pipings
pipiri
pipistrel
pipistrelle
pipit
pipits
pipkin
pipkinet
pipkins
pipless
pipped
pippen
pipper
pipperidge
pippier
pippiest
pippin
pippriner
pippiface
pipping
pippins
ipple
pippy
piprine
piproid
pips
pipsissewa
pipsqueak
pipsqueaks
piptonychia
pipunculid
pipy
piqu
piquable
piquance
piquancies
piquancy
piquant
piquantly
piquantness
pique
piqued
piquero
piques
piquet
piquets
piquette
piquette
piqueur
piquia
piquiere
piquing
piqure
pir
piracies
piracy
piragua
piraguas
piscicapturist
piscicide
piscicolous
piscicultural
pisciculturally
pisciculture
pisciculturist
piscifauna
pisciferous
pisciform
piscina
piscinae
piscinal
piscinas
piscine
piscinity
piscioid
piscivorous
pisco
pise
pigsaw
pish
pishaug
pished
pished
pishing
pishogue
pishpash
pishposh
pishu
pisiform
pisiforms
pisistance
pisk
piskun
pisky
pisimire
pisimires
pisimirism
piso
pisolite
pisolites
pisolitic
pisote
piss
pissbed
pissant
pissants
pissasphalt
pissed
pisses
pissing
pissodes
pissoir
pissoirs
pist
pistache
pistaches
pistachio
pistachios
pistacia
pistacite
pistareen
piste
pisteology
pistic
pistick
pistil
pistil's
pistillaceous
pistillar
pistillary
pistillate
pistillid
pistillidium
pistilliferous
pistilliform
pistilligerous
pistillode
pistillody
pistilloid
pistilogy
pistils
pistiology
pistle
pistler
pistol
pistol's
pistolade
pistole
pistoled
pistoleeer
pistoles
pistolet
pistoletter
pitchers
pitchery
pitches
pitchfield
pitchfork
pitchforks
pitchhole
pitchi
pitchier
pitchiest
pitchily
pitchiness
pitching
pitchlike
pitchman
pitchmen
pitchometer
pitchout
pitchouts
pitchpike
pitchpole
pitchpoll
pitchpot
pitchstone
pitchwork
pitchy
piteira
piteous
piteously
piteousness
pitfall
pitfall's
pitfalls
pitfold
pith
pithanology
pithead
pitheads
pithcan
pithcanthrope
pithcanthropi
pithcanthropic
pithcanthropid
pithcanthropine
pithcanthropoid
pithcanthropus
pithecian
pitheciine
pitmaking
pitman
pitmans
pitmark
pitmen
pitmenpitmirk
pitmirk
pitocin
pitometer
pitomie
piton
pitons
pitpan
pitpit
pitprop
pitressin
pitr
pits
pitsaw
pitsaws
pitside
pitta
pittacal
pittance
pittancer
pittances
pittard
pitted
pitter
piticite
pittine
pitting
pittings
pittite
pittoid
pittosporaceous
pittosporous
pituicyte
pituita
pituital
pituitaries
pituitary
pituite
pituitous
pituitousness
pituitrin
pituri
pitwood
placekick
placekicker
placeless
placelessly
placemaker
placemaking
placeman
placemanship
placemen
placement
placement's
placements
placemonger
placemongering
placent
placenta
placentae
placental
placentalia
placentalian
placentary
placentas
placentate
placentation
placentiferous
placentiform
placentigerous
placentitis
placentography
placentoid
placentoma
placentomata
placer
placers
places
placet
placets
placewoman
placid
placidamente
placidity
placidly
placidness
placing
placit
placitum
plack
plackart
placket
plackets
plackless
placks
placochromatic
placode
placoderm
placodermal
placodermatous
placodermoid
placodont
placoganoidean
placoid
placoidal
placoidian
placoids
placophoran
placoplant
plaque
placula
placuntitis
placuntoma
pladaroma
pladarosis
plafond
plafonds
plaga
plagae
plagal
plagate
plage
plages
plagiaplite
plagiarical
plagiaries
plagiariise
plagiariised
plagiariiser
plagiariising
plagiariism
plagiariisms
plagiariist
plagiariistic
plagiariistically
plagiariists
plagiariization
plagiariize
plagiariized
plagiarizer
plagiariizers
plagiariizes
plagiariizing
plagiary
plagihedral
plagiocephalic
plagiocephalism
plagiocephalous
plagiocephaly
plagioclase
plagioclasisite
plagioclastic
plagioclmax
plagioclinal
plagiodont
plagiograph
plagioliparite
plagionite
plagiopatagium
plagiophyre
plagiostomatous
plagiostome
plagiostomous
plagiotropic
plagiotropically
plagiotropism
plagiotropous
plagium
plagose
plagosity
plague
plagged
plagueful
plagueless
plagueproof
plaguer
plaguers
plagues
plaguesome
plaguesomeness
plaguey
plaguily
plaguing
plagula
plaguy
plaice
planches
planchet
planchets
planchette
planching
planchment
plancier
planctus
plandok
plane
plane's
planed
planeload
planeness
planer
planers
planes
planeshear
planet
planet's
planeta
planetable
planetabler
planetal
planetaria
planetarian
planetaries
planetarily
planetarium
planetariums
planetary
planeted
planetesimal
planetesimals
planetfall
planetic
planeticose
planeting
planetist
planetkin
planetless
planetlike
planetogeny
planetography
planetoid
planetoidal
planetoids
planetologic
planetological
planetologist
planetologists
planetology
planets
planettaria
planetule
planform
planforms
planful
planfully
planfulness
plang
plangency
plangent
plangently
plangents
plangi
plangor
plangorous
planicaudate
planicpital
planidorsate
planifolious
planiform
planigram
planigraph
planigraphy
planilla
planimeter
planimetric
planimetrical
planimetry
planimeter
planing
planipennate
planipennine
planipetalous
planiphylous
planirostral
planirostral
planirostrate
planiscoppe
planiscopcal
planish
planished
planisher
planishes
planishing
planispherical
planisphere
planispheric
planispherical
planispiral
planity
plank
plankage
plankbuilt
planked
planker
planking
plankings
plankless
planklike
planks
planksheer
plankter
plankters
planktologist
planktology
plankton
planktonic
planktons
planktont
plankways
plankwise
planky
planless
planlessly
planlessness
planned
planner
planner's
planners
planning
plannings
planoblast
planoblastic
planoconcave
planoconical
planoconvex
plano cylindric
planofer rite
planofer rite
planograph
planographic
planographically
planogaphist
planography
planohorizontal
planolindrical
planometer
planometry
planomiller
planont
planoorbicular
planorbiform
planorbine
planorbis
planorboid
planorotund
planosol
planosols
planosome
planospiral
planospore
planosubulate
plans
plansheer
plant
planta
plantable
plantad
plantage
plantagenet
plantagineous
plantagineous
plantain
plantains
plantal
plantano
plantar
plantaris
plantarium
plantation
plantation's
plantationlike
plantations
plantator
plantdom
planted
planter
planterdom
planterly
planters
plantership
plantigrade
plantigrady
planting
plantings
plantivorous
plantless
plantlet
plantlike
plantling
plantocracy
plants
plantsman
plantula
plantulae
plantular
plantule
planula
planulæ
planulan
planular
planulate
planuliform
planuloid
planum
planuria
planurity
planxty
plap
plappert
plaque
plaques
plaquette
plash
plashed
plasher
plashers
plashes
plashet
plashier
plashiest
plashing
plashingly
plashment
plashy
plasm
plasma
plasmacyte
plasmacytoma
plasmagel
plasmagene
plasmagenic
plasmalemma
plasmalogen
plasmaphaeresis
plasmaphereses
plasmapheresis
plasmaphoresis
plasmas
plasmase
plasmasol
plasmatic
plasmatical
plasmanion
plasmataroparous
plasmatorrhesis
plasmic
plasmid
plasmids
plasmin
plasminogen
plasmins
plasmochin
plasmocyte
plasmocytoma
plasmode
plasmodesm
plasmodesma
plasmodesmal
plasmodesmata
plasmodesmic
plasmodesmus
plasmodia
plasmoidal
plasmodiate
plasmodic
plasmodiocarp
plasmodiocarpous
plasmodium
plasmogamy
plasmogen
plasmogeny
plasmoid
plasmoids
plasmology
plasmolyse
plasmolysis
plasmolytic
plasmolytically
plasmolyzability
plasmolyzable
plasmolyze
plasmoma
plasmomata
plasmon
plasmons
plasmophagous
plasmophagy
plasmoptysis
plasmoquin
plasmoquine
plasmosoma
plasmosomata
plasmosome
plasmodomy
plasms
plasome
plass
plasson
plastein
plaster
plasterbill
plasterboard
plastered
plasterer
plasterers
plasteriness
plastering
plasterlike
plasters
plasterwise
plasterwork
plastery
plastic
plastically
plasticimeter
plasticine
plasticisation
plasticise
plasticised
plasticising
plasticism
plasticity
plasticization  
plasticize  
plasticized  
plasticizer  
plasticizes  
plasticizing  
plasticly  
plastics  
plastid  
plastidial  
plastidium  
plastidome  
plastids  
plastidular  
plastidule  
plastify  
plastin  
plastinoid  
plastique  
plastiqué  
plastiqueurs  
plastisol  
plastocondria  
plastocho  
plastochrono  
plastodynamia  
plastodynamic  
plastogamic  
plastogamy  
plastogene  
plastomer  
plastomere  
plastometer  
plastometric  
plastometry  
plastosome  
plastotype  
plastral  
plastron  
plastrons  
plastrum  
plastrums  
plat  
plataliform  
plataléine  
platan  
platanaceous  
platan
platanes
platanist
plattana
platano
platans
platanus
platband
platch
plate
platea
plateasm
plateau
plateau's
plateaued
plateauing
plateaulith
plateaus
plateaux
plated
plateful
platefuls
plateholder
plateiasmus
platelayer
plateless
platelet
platelet's
platelets
platelike
platemaker
platemaking
plateman
platemark
platemen
platen
platen's
platens
plater
platerer
plateresque
platers
platery
plates
platesful
plateway
platework
plateworker
platform
platinocyanide
platinode
platinoid
platinotron
platinotype
platinous
platinum
platinumums
platinumsmith
platitude
platitudes
platitudinal
platitudinarian
platitudinarianism
platitudinisation
platitudinise
platitudinised
platitudiniser
platitudinising
platitudinism
platitudinist
platitudinization
platitudinize
platitudinized
platitudinizer
platitudinizing
platitudinous
platitudinously
platitudinousness
platly
plato
platoe
platoid
platonesque
platonic
platonically
platonism
platonist
platonize
platoon
platooned
platooning
platoons
platopic
platosamine
platosammine
plats
plattdeutsch
platykurtosis
platylobate
platymeria
platymeric
platymery
platymesaticephalic
platymesoecephalic
platymeter
platymyoid
platynite
platynotal
platyodont
platyope
platyopia
platyopic
platypellic
platypetalous
platyphyllous
platypi
platypod
platypodia
platypodous
platypus
platypuses
platypygous
platyrhynchous
platyrrhin
platyrrhine
platyrrhinian
platyrrhinic
platyrrhinism
platyrrhiny
platys
platysma
platysmamyoides
platysmas
platysmata
platysomid
platystaphyline
platystencephalia
platystencephalic
platystencephalism
platystencephaly
platysternal
platystomous
platytrope
platytropy
plaud
plaudation
plaudit
plaudite
plauditor
plauditory
plaudits
plauenite
plausibility
plausible
plausibleness
plausibly
plausible
plausive
plaustral
plautine
play
playa
playability
playable
playact
playacted
playacting
playactor
playacts
playas
playback
playbacks
playbill
playbills
playbook
playbooks
playbox
playboy
playboyism
playboys
playbroker
playclothes
playcraft
playcraftsman
playday
playdays
playdown
playdowns
played
player
player's
playerdom
playeress
players
pleaproof
pleas
pleasurable
pleasableness
pleasance
pleasant
pleasantable
pleasanter
pleasantest
pleasantish
pleasantly
pleasantness
pleasantries
pleasantry
pleasantsome
pleasance
please
pleased
pleasedly
pleasedness
pleaseman
pleasemen
pleaser
pleasers
pleases
pleaship
pleasing
pleasingly
pleasingness
pleasurability
pleasurable
pleasurableness
pleasurably
pleasure
pleased
pleasureful
pleasurefulness
pleasurehood
pleasureless
pleasurelessly
pleasureman
pleasurement
pleasuremonger
pleasureproof
pleaser
pleasures
pleasuring
pleasurist
pleasurous
pleat
pleated
pleater
pleaters
pleating
pleatless
pleats
pleb
pleby
plebe
plebeian
plebeiance
plebeianisation
plebeianise
plebeianised
plebeianising
plebeianism
plebeianization
plebeianize
plebeianized
plebeianizing
plebeianly
plebeianness
plebeians
plebeity
plebes
plebescite
plebian
plebianism
plebicolar
plebicolist
plebicolous
plebificate
plebification
plebify
plebiscitarian
plebiscitarism
plebiscitary
plebiscite
plebiscite's
plebiscites
plebiscitic
plebiscitum
plebs
pleck
plecopteran
plecopterid
plecopterous
plecotine
plectognath
plectognathic
plectognathous
plecaptor
plecopteran
plecopterous
plecospandid
plecospandidous
plecra
plectr
plectridial
plectridium
plectron
plectrons
plectrontra
plectrum
plectrums
plectrumtra
pled
pledable
pledge
pledgeable
pledged
pledgee
pledgees
pledgeholder
pledgeless
pledgeor
pledgeors
pledger
pledgers
pledges
pledgeshop
pledget
pledgets
pledging
pledgor
pledgors
plegaphonia
plegometer
pleiad
pleiades
pleiads
pleinairism
pleinairist
pleiobar
pleiocene
pleiochromia
pleiochromic
pleiomastia
pleiomazia
pleiomerous
pleiomery
pleion
pleionian
pleiophyllous
pleiophylly
pleiotaxis
pleiotaxy
pleiotropic
pleiotropically
pleiotropism
pleiotropy
pleis
pleistocene
pleistoseist
plemochoe
plemyrameter
plena
plenarily
plenariness
plenarium
plenarty
plenary
plenicorn
pleniloquence
plenilunal
plenilunar
plenilunary
plenilune
plenipo
plenipotence
plenipotency
plenipotent
plenipotential
plenipotentiality
plenipotentiaries
plenipotentiarily
plenipotentiarize
plenipotentiary
plenipotentiaryship
plenish
plenished
plenishes
plenishing
plenishment
plenism
plenisms
plenist
plenists
plenitude
plenitudinous
plenty
plenishing
plenteous
plenteously
plenteousness
plenties
plentiful
plentifully
plentifulness
plentify
plentitude
plenty
plenum
plenums
pleny
pleochroic
pleochroism
pleochroitic
pleochromatic
pleochromatism
pleochroous
pleocrystalline
pleodont
pleomastia
pleomastic
pleomazia
pleometrosis
pleometrotic
pleomorph
pleomorphic
pleomorphism
pleomorphist
pleomorphous
pleomorphous
pleon
pleonal
pleonasm
pleonasms
pleonast
pleonaste
pleonastic
pleonastical
pleonastically
pleonectic
pleonexia
pleonic
pleophagous
pleophyletic
pleopod
pleopodite
pleopods
plerergate
plerocercoid
pleroma
pleromatic
plerome
pleromorph
plerophoric
plerophory
plersis
plerotic
plesance
plesiobiosis
plesiobiotic
plesiomorphic
plesiomorphism
plesiomorphic
plesiosaur
plesiosaurian
plesiosauroid
plesiosaurus
plesiotype
plessigraph
plessimeter
plessimetric
plessimetry
plessor
plessors
plethodontid
plethora
plethoras
plethoretic
plethoretical
plethoric
plethorical
plethorically
plethorous
plethory
plethron
plethrum
plethysmogram
plethysmograph
plethysmographic
plethysmographically
plethysmography
pleura
pleuracanthoid
pleurae
pleural
pleuralgia
pleuralgic
pleurapophysial
pleurapophysis
pleuras
pleurectomy
pleurenychyma
pleurenychymatous
pleuric
pleurisepitate
pleurisies
pleurisy
pleurite
pleuritic
pleuritical
pleuritically
pleuritis
pleurobranch
pleurobranchia
pleurobranchial
pleurobranchiate
pleurobronchitis
pleurocapsaceous
pleurocarp
pleurocarpous
pleurocele
pleurocentesis
pleurocentral
pleurocentrum
pleurocerebral
pleurocereoid
pleurococcaceous
pleurodiran
pleurodire
pleurodirous
pleurodiscous
plicatolobate
plicatopapillose
plicator
plicatoundulate
plicatulate
plicature
plicidentine
pliciferous
pliciform
plie
plied
plier
pliers
plies
plight
plighted
plighter
plighters
plighting
plights
plim
plimmed
plimming
plimsol
plimsole
plimsoles
plimsoll
plimsolls
plimsolls
plimsols
plink
plinked
plinker
plinkers
plinking
plinks
plinth
plinther
plinthiform
plinthless
plinthlike
plinths
pliocene
pliofilm
pliosaur
pliosaurian
pliosaurus
pliothermic
pliotron
plotinian
plotinism
plotless
plotlessness
plotlib
plotosid
plotproof
plots
plott
plottage
plottages
plotted
plotter
plotter's
plotters
plottery
plottier
plotties
plottiest
plotting
plottingly
plotton
plotty
plotx
plough
ploughboy
ploughed
plougher
ploughers
ploughfish
ploughfoot
ploughgang
ploughgate
ploughhead
ploughing
ploughjogger
ploughland
ploughline
ploughman
ploughmanship
ploughmell
ploughmen
ploughpoint
ploughs
ploughshare
ploughshoe
ploughstaff
ploughstilt
plugless
pluglike
plugman
plugmen
plugs
plugray
plugtree
pluggles
plugugly
plum
plum's
pluma
plumaceous
plumach
plumade
plumage
plumaged
plumagery
plumages
plumasite
plumassier
plumate
plumatellid
plumatelloid
plumb
plumb's
plumbable
plumbage
plumbagin
plumbaginaceous
plumbagine
plumbaginous
plumbago
plumbagos
plumbate
plumbean
plumbed
plumbeous
plumber
plumberies
plumbers
plumbership
plumbery
plumbet
plumbic
plumbicon
plumbiferous
plumbing
plumbings
plumbism
plumbisms
plumbisolvent
plumbite
plumbless
plumblessness
plumbness
plumbog
plumbojarosite
plumboniobate
plumbosolvency
plumbosolvent
plumbous
plumbs
plumbum
plumbums
plumcot
plumdamas
plumdamis
plume
plumed
plumeless
plumelet
plumelets
plumelike
plumemaker
plumemaking
plumeopicean
plumeous
plumer
plumery
plumes
plumet
plumete
plumetis
plumette
plumicorn
plumier
plumieride
plumiest
plumification
plumiform
plumiformly
plumify
plumigerous
pluminess
pluming
plumiped
plumipede
plumipeds
plumist
plumless
plumlet
plumlite
plumlike
plummer
plummeter
plummeted
plummetering
plummeterless
plummets
plummier
plummies
plummieri
plummiest
plumming
plummy
plumose
plumosely
plumoseness
plumosite
plumosity
plumous
plump
plumped
plumpen
plumpened
plumpening
plumpens
plumper
plumpers
plumpest
plumping
plumpish
plumply
plumpness
plumps
plumpy
plumrock
plums
plumula
plumulaceous
plumular
plumularia
plumularian
plumulate
plumule
plumes
plumuliform
plumulose
plumy
plunder
plunderable
plunderage
plunderbund
plundered
plunderer
plunderers
plunderess
plundering
plunderingly
plunderless
plunderous
plunderproof
plunders
plunge
plunged
plungeon
plunger
plungers
plunges
plunging
plungingly
plungingness
plungy
plunk
plunked
plunker
plunkers
plunking
plunks
plunther
plup
plupatriotic
pluperfect
pluperfectly
pluperfectness
pluperfects
plupf
plur
plural
pluralisation
pluralise
pluralised
pluraliser
pluralising
pluralism
pluralist
pluralistic
pluralistically
pluralities
plurality
pluralization
pluralize
pluralized
pluralizer
pluralizes
pluralizing
plurally
pluralness
plurals
plurative
plurel
plurennial
pluriasial
pluribus
pluricarinate
pluricarpellary
pluricellular
pluricentral
pluripetial
pluricuspid
pluricuspidate
pluridentate
pluries
plurifacial
plurifetation
plurification
pluriflagellate
pluriflorous
plurifoliate
plurifoliolate
plurify
pluriglandular
pluriguttulate
plurilateral
plurilingual
plurilingualism
plurilingualist
pluriliteral
plurilocular
plurimammate
plurinominal
plurinucleate
pluripara
pluriparity
pluriparous
pluripartite
pluripetalous
pluripotence
pluripotent
pluripresence
plurisephtate
pluriserial
pluriserrate
pluriserrated
pluriisetose
plurispiral
plurisporous
plurisy
plurisyllabic
plurisyllable
plurivalent
plurivalve
plurivorous
plurivory
plus
pluses
plush
plushed
plusher
plushes
plushest
plushette
plushier
plushiest
plushily
plushiness
plushlike
plushly
plushness
plushy
plusquam
plusquamperfect
plussage
plussages
plusses
plutarch
plutarchy
pluteal
plutean
plutei
pluteiform
pluteus
pluteuses
pluteutei
pluto
plutocracies
plutocracy
plutocrat
plutocratic
plutocratical
plutocratically
plutocrats
plutolatry
plutological
plutologist
pluto
plutonia
plutonic
plutonism
plutonist
plutonite
plutonium
plutonometamorphism
plutonomic
plutonomist
plutonomy
plutons
plutter
plutus
pluvial
pluvialiform
pluvialine
pluvially
pluvials
pluvian
pluvine
pluviograph
pluviographic
pluviographical
pluviography
pluviometer
pluviometric
pluviometrical
pluviometrically
pluviometry
pluvioscope
pluvioscopic
pluviose
pluviosity
pluvious
ply
plyboard
 plyer
plyers
plygain
plying
plyingly
plymouth
plymouths
plyscore
plywood
plywoods
pm
pmk
pmsg
pmt
pnce
pneodynamics
pneograph
pneomanometer
pneometer
pneometry
pneophore
pneoscope
pneudraulic
pneum
pneuma
pneumarthrosis
pneumas
pneumathaemia
pneumatic
pneumatical
pneumatically
pneumaticity
pneumaticness
pneumatics
pneumatism
pneumatist
pneumatize
pneumatized
pneumatocardia
pneumatococe
pneumatocoele
pneumatochemical
pneumatochemistry
pneumatocyst
pneumatocystic
pneumatode
pneumatogenic
pneumatogenous
pneumatogram
pneumatograph
pneumatographer
pneumatographic
pneumatography
pneumatolitic
pneumatologic
pneumatological
pneumatologist
pneumatology
pneumatolysis
pneumatolytic
pneumatomachian
pneumatometer
pneumatometry
pneumatomorphic
pneumatomy
pneumatophanic
pneumatophany
pneumatophiles
pneumatophobics
pneumatophobies
pneumatophobe
pneumatophobism
pneumatophoric
pneumatophorous
pneumatorrhachis
pneumatoscope
pneumatosis
pneumatoscope
pneumatotactics
pneumatotactic
pneumatotherapeutics
pneumatotherapeutics
pneumaturia
pneume
pneumectomies
pneumectomy
pneumobacillus
pneumocele
pneumocentesis
pneumochirurgia
pneumococcal
pneumococcemia
pneumococci
pneumococcic
pneumococcous
pneumococcus
pneumodynamics
pneumoencephalitis
pneumoencephalogram
pneumococci
pneumococcic
pneumococcous
pneumococcus
pneumoconiosis
pneumoderma
pneumodinamic
pneumodinamics
pneumoencephalitis
pneumoencephalogram
pneumoenteritis
pneumogastric
pneumogram
pneumograph
pneumographic
pneumography
pneumohemothorax
pneumohydropericardium
pneumohydrothorax
pneumolith
pneumolithiasis
pneumological
pneumology
pneumolysis
pneumomalacia
pneumomassage
pneumomycosis
pneumonalgia
pneumonectasia
pneumonecomies
pneumonectomy
pneumonedema
pneumonia
pneumonic
pneumonitic
pneumonitis
pneumonocace
pneumonocarcinoma
pneumonocele
pneumonocentesis
pneumonocirrhosis
pneumonoconiosis
pneumonodynia
pneumonoenteritis
pneumonoerysipelas
pneumonographic
pneumography
pneumonokoniosis
pneumolith
pneumololithiasis
pneumonolysis
pneumomonelnosis
pneumonometer
pneumonomycosis
pneumonoparesis
pneumonopathy
pneumonopexy
pneumonophorous
pneumonophtisis
pneumonopleuritis
pneumonorrhagia
pneumonorrhaphy
pneumonosis
pneumonotherapy
pneumonotomy
pneumony
pneumopericardium
pneumoperitoneum
pneumoperitonitis
pneumopexy
pneumopleuritis
pneumopyothorax
pneumorrhachis
pneumorrhachis
pneumorrhagia
pneumotactic
pneumotherapeutics
pneumotherapy
pneumothorax
pneumotomy
pneumotoxic
pneumotropic
pneumotropism
pneumotyphoid
pneumotyphus
pneumoventriculography
pnigerophobia
pnigophobia
pnxt
pnyx
po
poa
poaceous
podagric
podagrical
podagrous
podagry
podal
podalgia
podalic
podanger
podargine
podargue
podarthral
podarthritis
podarthrum
podatus
podaxonal
podded
poder
poddia
poddidge
poddies
poddige
poddling
poddish
poddle
poddock
poddly
podelcoma
podeon
podesta
podestas
podesterate
podetia
podetiiform
podetium
podex
podge
podger
podgier
podgiest
podgily
podginess
podgy
podia
podial
podiatric
podiatries
podiatrist
podiatrists
podiatry
podical
podices
podilegous
podite
podites
poditic
poditti
podium
podiums
podler
podley
podlike
podobranch
podobranchia
podobranchial
podobranchiate
podocarp
podocarpous
podocephalous
pododerm
pododynia
podogyn
podogyne
podogynium
podolite
podology
podomancy
podomere
podomeres
podometer
podometry
podophthalmate
podophthalmatous
podophthalmian
podophthalmic
podothalmitic
podothalmitic
podothalmous
podophylic
podophyllin
podophyllotoxin
podophyllous
podophyllum
podos
podoscaph
podoscapher
podoscopy
podosomatous
podosperm
podostemaceus
podostemad
podostemonaceous
podostomatous
podotheca
podothecal
pods
podsol
podsolic
podsolization
podsolize
podsolized
podsolizing
podsols
podtia
podunk
podura
poduran
podurid
podware
podzol
podzolic
podzolization
podzolize
podzolized
podzolizing
podzols
poe
poebird
poechore
poechores
poechoric
poecile
poecilite
poecilistic
poecilocyttarous
poecilogonous
poecilogony
poecilomere
poecilonym
poecilonymic
poecilonymy
poecilopod
poecilopodous
poem
poem's
poematic
poem
poemlet
poems
poenitentiae
poenology
poephagous
poesie
poesies
poesiless
poesis
poesy
poet
poet's
poetaster
poetastering
poetasterism
poetasters
poetastery
poetastress
poetastric
poetastrical
poetastry
poetcraft
poetdom
poetesque
poetess
poetesses
poethood
poetic
poetical
poeticality
poetically
poeticalness
poeticise
poeticised
poeticising
poeticism
poeticize
poeticized
poeticizing
poeticiness
poetics
poeticule
poetiised
poetiising
poetiise
poetiised
pokeberries
pokeberry
poked
pokeful
pokelogan
pokeloken
pokeout
poker
pokeface
pokerish
pokerishly
pokerishness
pokerlike
pokeroo
pokeroots
pokers
pokes
pokeweed
pokeweeds
pokey
pokeys
pokie
pokier
pokies
pokiest
pokily
pokiness
pokinesses
poking
pokingly
pokomoo
pokunt
poky
pol
polacca
polack
polacre
poland
polar
polaran
polarans
polaric
polarigraphic
polarily
polarimeter
polarimetric
polarimetries
polarimetry
polaris
polarisability
polarisable
polarisation
polariscope
polariscoped
polariscopic
polariscopically
polariscoping
polariscopist
polariscopy
polarise
polarised
polariser
polarises
polarising
polaristic
polaristrobometer
polarities
polariton
polarity
polarity's
polarizability
polarizable
polarization
polarizations
polarize
polarized
polarizer
polarizes
polarizing
polarly
polarogram
polarograph
polarographic
polarographically
polarography
polaroid
polaroids
polaron
polarons
polars
polarward
polary
polatouche
polaxis
poldavis
poldavy
polder
polderboy
polderland
polderman
polders
poldoody
poldron
pole
polearm
poleax
poleaxe
poleaxed
poleaxer
poleaxes
poleaxing
poleburn
polecat
polecats
poled
polehead
poleis
polejumper
poleless
poleman
polemarch
polemic
polemical
polemically
polemician
polemicist
polemicists
polemicize
polemics
polemist
polemists
polemize
polemized
polemizes
polemizing
polemoniaceous
polemonium
polemoscope
polenta
polentas
polder
polar
polers
poles
polesaw
polesetter
polesman
polestar
polestars
poleward
polewards
polewig
poley
poleyn
poleyne
poleyns
poliad
poliadic
polianite
police
police's
policed
policedom
policelss
policeman
policemanish
policemanism
policemanlike
policemanship
policemen
polices
policewoman
policewomen
policial
policies
policing
policize
policizer
policlinic
policy
policy's
policyholder
policyholders
policymaker
policymaking
poliencephalitis
poliencephalomyelitis
polies
poligar
poligarship
poligraphical
polilla
polimetrum
poling
polio
polioencephalitis
polioencephalomyelitis
poliomyelitic
poliomyelitis
poliomyelopathy
polioneuromere
polionotus
poliorcetic
poliorcetics
polios
poliosis
poliovirus
polis
polish
polishable
polished
polishedly
polishedness
polisher
polishers
polishes
polishing
polishings
polishment
polisman
polissoir
polista
polit
politarch
politarchic
politburo
polite
politeful
politei
politeia
politely
politeness
politer
politesse
politest
politic
political
politicalism
politicalization
politicalize
politicalized
politicalizing
politically
politicaster
politician
politician's
politicians
politicise
politicised
politicising
politician
politicization
politicize
politicized
politiziser
politicizes
politicizing
politicick
politicicked
politiciker
politicicking
politiciks
politically
politiceness
politico
politicoes
politicomania
politicophobia
politicos
politics
politied
polities
politique
politist
politize
politure
polity
politzerization
politzerize
polje
polk
polka
polkadot
polkaed
polkaing
polkas
polki
poll
pollinarium
pollinate
pollinated
pollinates
pollinating
pollination
pollinator
pollinators
pollinctor
pollincture
polling
pollinia
pollinic
pollinical
polliniferous
pollinigerous
pollinium
pollinivorous
pollinization
pollinize
pollinized
pollinizer
pollinizing
pollinodial
pollinodium
pollinoid
pollinose
pollinosis
pollist
pollists
polliwig
polliwog
polliwogs
pollock
pollocks
polloi
polls
pollster
pollsters
pollucite
pollutant
pollutants
pollute
polluted
pollutedly
pollutedness
polluter
polluters
poltroonishly
poltroonishness
poltroonism
poltroons
poluphloisboic
poluphloisboiotatotic
poluphloisboiotic
polverine
poly
polyacanthus
polyacid
polyacoustic
polyacoustics
polyacrylamide
polyacrylonitrile
polyact
polyactinal
polyactine
polyad
polyadelph
polyadelphia
polyadelphian
polyadelphous
polyadenia
polyadenitis
polyadenoma
polyadenous
polyadic
polyaemia
polyaemic
polyaffectioned
polyalcohol
polyalphabetic
polyamide
polyamine
polyamylose
polyandria
polyandrian
polyandrianism
polyandric
polyandries
polyandrious
polyandrism
polyandrist
polyandrium
polyandrous
polyandy
polyangular
pola
th
thous
thus
thes
thy
arch
archal
archic
archical
archies
archist
ary
arteritis
arthric
arthritic
arthritis
arthrous
articular
tomic
tomicity
autographic
ography
axial
axon
axone
axonic
basic
asticity
asite
blast
borine
branch
branchian
branchiate
brid
brids
bromid
bromide
bounous
buny
buttoned
butene
butylene
arbonate
arboxylic
arpellary
arpic

Open Source Used In CSPC_Collector 2.9.1 14423
polycarpous
polycarpyn
polycellular
polycentral
polycentric
polycentrist
polyccephalic
polyccephalous
polyccephaly
polychaetal
polychaetan
polychaete
polychaetous
polychasia
polychasial
polychasium
polychloride
polychoerany
polychord
polychotomous
polychotomy
polychrest
polychrestic
polychrestical
polychresty
polychroic
polychroism
polychroite
polychromasia
polychromate
polychromatic
polychromatism
polychromatist
polychromatize
polychromatophil
polychromatophile
polychromatophilia
polychromatophilic
polychrome
polychromia
polychromic
polychromism
polychromist
polychromize
polychromous
polychromy
polychronic
polychronicon
polychronious
polychsia
polyciliate
polycistronic
polycitral
polyclad
polycladine
polycladose
polycladous
polyclady
polyclinic
polyclinics
polyclona
polycoccous
polycondensation
polyconic
polycormic
polycot
polycots
polycotyl
polycotyledon
polycotyledonary
polycotyledonous
polycotyledony
polycotylous
polycotyly
polycracy
polycrase
polycratic
polycrotic
polycrotism
polycrystal
polycrystalline
polycrtenid
polycyttarian
polyculture
polycyanide
polycyclic
polycyclc
polycycles
polycystic
polycythaemia
polycythaemic
polycythemia
polycythemic
polydactyl
polydactyle
polydactylies
polydactylism
polydactyloous
polydactyly
polydaemoniac
polydaemonism
polydaemonist
polydaemonistic
polydemic
polydemonism
polydemonist
polydenominational
polydental
polydermous
polydermy
polydigital
polydimensional
polydipsia
polydipsic
polydisperse
polydispersity
polydomous
polydontia
polydymite
polydynamic
polyedral
polyeidic
polyeidism
polyelectrolyte
polyembryonate
polyembryonic
polyembryony
polyemia
polyemic
polyene
polyenes
polyenic
polyenzymatic
polyergic
polyester
polyesterification
polyesters
polyesthesia
polyesthetic
polyestrous
polyesthetic
polyethnics
polyethylene
polyfenestral
polyflorous
polyfoil
polyfold
polygala
polygalaceous
polygalas
polygalic
polygalin
polygam
polygamia
polygamian
polygamic
polygamical
polygamically
polygamies
polygamist
polygamistic
polygamists
polygamize
polygamodioecious
polygamous
polygamously
polygamy
polyganglionic
polygar
polygarchy
polygastric
polygene
polygenes
polygenesic
polygenesis
polygenesist
polygenetic
polygenetically
polygenic
polygenism
polygenist
polygenistic
polygenous
polygenouss
polygeny
polyglandular
polyglobulia
polyglobulism
polyglossary
polyglot
polyglotism
polyglotry
polyglots
polyglottal
polyglottally
polyglotted
polyglotter
polyglottery
polyglottic
polyglottically
polyglotting
polyglottism
polyglottist
polyglottonic
polyglottous
polyglotwise
polyglycerol
polygon
polygonaceous
polygonal
polygonally
polygoneutic
polygoneutism
polygonic
polygonically
polygonies
polygonoid
polygonometry
polygonous
polygons
polygonum
polygony
polygram
polygrammatic
polygraph
polygrapher
polygraphic
polygraphically
polygraphist
polygraphs
polygraphy
polygroove
polygrooved
polygyn
polygynaiky
polygynia
polygynian
polygynic
polygynies
polygynious
polygynist
polygynoeical
polygynous
polygyny
polygyral
polygyria
polyhaemia
polyhaemic
polyhalide
polyhalite
polyhalogen
polyharmonic
polyharmony
polyhedra
polyhedral
polyhedrals
polyhedric
polyhedralcal
polyhedroid
polyhedron
polyhedrons
polyhedrosis
polyhedrous
polyhemia
polyhemic
polyhidrosis
polyhistor
polyhistorian
polyhistoric
polyhistory
polyhybrid
polyhydric
polyhydroxy
polyhymnia
polyideic
polyideism
polyidrosis
polyimide
polyiodide
polyisobutene
polyisoprene
polyisotopic
polykaryocyte
polylaminated
polylemma
polylepidous
polylelinguist
polyolithic
polylobular
polylogy
polyloquent
polymagnet
polymania
polymastia
polymastic
polymastigate
polymastigote
polymastigious
polymastism
polymastodont
polymasty
polymath
polymathic
polymathist
polymaths
polymathy
polymazia
polymelia
polymelian
polymely
polymer
polymer's
polymerase
polymere
polymeria
polymeric
polymerically
polymeride
polymerise
polymerism
polymerization
polymerize
polymerized
polymerizes
polymerizing
polymerous
polymers
polymery
polymetallism
polymetameric
polymeter
polymethylene
polymetochia
polymetochic
polymicrian
polymicrobial
polymicrobial
polymicroscope
polymignite
polymixiid
polymnite
polynmy
polymolecular
polymologydate
polymorph
polymorphean
polymorphic
polymorphically
polymorphism
polymorphisms
polymorphistic
polymorphonuclear
polymorphonucleate
polymorphosis
polymorphous
polymorphously
polymorphy
polymyarian
polymyodian
polymydous
polymyoid
polymyositis
polymythic
polymythly
polynxin
polynaphthene
polynee
polynemid
polynemoid
polynesia
polynesian
polynesians
polynesic
polyneural
polyneuric
polyneuritic
polyneuritis
polyneuropathy
polynia
polynices
polynodal
polynoid
polynome
polynomial
polynomial’s
polynomialism
polynomialist
polynomials
polynomic
polynucleal
polynuclear
polynucleate
polynucleated
polynucleolar
polynucleosis
polynucleotidase
polynucleotide
polynya
polynyas
polyodon
polyodont
polyodontal
polyodontia
polyodontoid
polyoecious
polyoeciously
polyoeciousness
polyoecism
polyoecy
polyoicous
polyol
polyommatous
polyonomous
polyonomy
polyonomychia
polyonym
polyonymal
polyonymic
polyonymist
polyonymous
polyonymy
polyophthalmic
polyopia
polyopic
polyopsia
polyopsy
polyorama
polyorchidism
polyorchism
polyorganic
polyose
polyoxide
polyoxymethylene
polyp
polypage
polypaged
polypapilloma
polyparasitic
polyparasitism
polyparesis
polyparia
polyparian
polyparies
polyparium
polyparous
polypary
polypean
polyped
polypeptide
polypeptidic
polypetal
polypetalous
polypetaly
polyphage
polyphagia
polyphagian
polyphagic
polyphagist
polyphagous
polyphagy
polyphalangism
polypharmacal
polypharmacist
polypharmacon
polypharmacy
polypharmic
polyphasal
polyphase
polyphaser
polyphasic
polypheme
polyphemian
polyphemic
polyphemous
polyphemus
polyphenol
polyphenolic
polyphloesboean
polyphloisboioism
polyphloisboism
polyphobia
polyphobic
polyphone
polyphoned
polyphonia
polyphonic
polyphonical
polyphonically
polyphonies
polyphonism
polyphonist
polyphonium
polyphonous
polyphonously
polyphony
polyphore
polyphosphoric
polyphotal
polyphote
polyphylesis
polyphyletic
polyphyletically
polyphyleticism
polyphylety
polyphylline
polyphyllous
polyphylly
polyphylogeny
polyphyly
polyphyodont
polypi
polypian
polypide
polypides
polypidom
polypier
polypifer
polypiferous
polypigerous
polypinnate
polypite
polyplacophoran
polyplacophore
polyplacophorous
polyplastic
polyplegia
polyplegic
polyploid
polyploidic
polyploidy
polypnea
polypneas
polypneic
polypnoea
polypnoecic
polypod
polypodia
polypodiaceous
polypodies
polypodium
polypodous
polypods
polypody
polypoid
polypoidal
polypomorphpic
polyporaceous
polypore
polypores
polyporite
polyporoid
polyporous
polypose
polyposis
polypotome
polypous
polypragmacy
polypragmatic
polypragmatical
polypragmatically
polypragmatism
polypragmatist
polypragmaty
polypragmist
polypragmon
polypragmonic
polypragmonist
polyprene
polyprism
polyprismatic
polypropylene
polyprothetic
polyprotic
polyprotodont
polyps
polypseudonymous
polyspsychic
polyspsychical
polyspsychism
polypterid
polypteroid
polyptote
polyptoton
polyptych
polypus
polypuses
polyrhizal
polyrhizous
polyrhythm
polyrhythmic
polyrhythmical
polyrhythmically
polyribonucleotide
polyribosomal
polyribosome
polys
polysaccharide
polysaccharose
polysalicylide
polysaprobic
polysarcia
polysarcous
polyschematic
polyschematist
polyscope
polyscopic
polysemant
polysemantic
polysemeia
polysemia
polysemies
polysemous
polysemousness
polysemy
polysensuous
polysensuousness
polysepalous
polyseptate
polyserositis
polysided
polysidedness
polysilicate
polysilicic
polysiphonic
polysiphonous
polysomatic
polysomatous
polysomaty
polysome
polysomes
polysomia
polysomic
polysomitic
polysomous
polysomy
polysorbate
polyspast
polyspaston
polyspermal
polyspermatous
polysperma
polyspermic
polyspermous
polyspermy
polyspondylic
polyspondylous
polyspondyly
polysporangium
polyspore
polyspored
polysporic
polysporous
polystachyous
polystaurion
polystele
polystelic
polystellic
polystemonous
polystichoid
polystichous
polystomatous
polystome
polystomium
polystylar
polystyle
polystylous
polystyrene
polysulfide
polysulfonate
polysulphid
polysulphide
polysulphonate
polysulphuration
polysulphurization
polysuspensoid
polysyllabic
c polysyllabical
c polysyllabically
polysyllabicism
polysyllabicity
polysyllabism
polysyllable
polysyllables
polysyllogism
polysyllogistic
polysymmetrical
polysymmetrically
polysymmetry
polysynaptic
polysynaptically
polysyndetic
polysynthetically
polysyndeton
polysynthesis
polysynthesism
polysynthetic
polysynthetical
c polysynthetically
polysyntheticism
polysyntheticism
polysynthesism
polysynthesist
polytechnic
polytechnical
polytechnics
polytechnist
polytene
polytenies
polyteny
c polyterpene
polytetrafluoroethylene
polythalamian
polythalamic
polythalamous
polythecial
polytheism
polytheist
polytheistic
polytheistical
c polytheistically
polytheists
polytheize
polythelia
polythelism
polythely
polythene
polythionic
polytitanic
polytocous
polytokous
polytoky
polytomies
polytomous
polytomy
polytonal
polytonalism
polytonality
polytonally
polytone
polytonic
polytony
polytope
polytopic
polytopical
polytrichaceous
polytrichia
polytrichous
polytrochal
polytrochous
polytrope
polytrophic
polytropic
polytungstate
polytungstic
polytype
polytyped
polytypes
polytypic
polytypical
polytyping
polytypism
polytypy
polyunsaturate
polyunsaturated
polyuresis
polyurethan
polyurethane
polyuria
polyurias
polyuric
dopolyvalence
dopolyvalency
dopolyvalent
dolyve
dopolyvinyl
dopolyvinylidene
dopolyvinylpyrrolidone
dopolyvirulent
dopolyvoltage
dopolywater
dopolyzoa
dopolyzoal
dopolyzoan
dopolyzoans
dopolyzoaria
dopolyzoarial
dopolyzoarium
dopolyzoary
dopolyzoic
dopolyzoism
dopolyzonal
dopolyzooid
dopolyzoan
dolzenite
dom
domace
domacentrid
domacentroid
domaceous
domaces
domada
domade
domaded
domades
domading
domander
domanders
domane
domane
domard
domarine
domarium
domary
domate
domato
domatoes
domatomid
domatorhine
pommies
pommy
pomoerium
pomolo
pomological
pomologically
pomologies
pomologist
pomology
pomona
pomalal
pomonic
pomp
pompa
pompadour
pompadours
pompal
pompano
pompanos
pompatic
pompeian
pompeii
pompelmoose
pompelmous
pomperkin
pompey
pompholix
pompholygous
pompholyx
pomphus
pompiere
pompilid
pompiloid
pompion
pompist
pompless
pompoleon
pompom
pompoms
pompon
pompons
pompoon
pomposities
pomposity
pomposo
pompos
pompously
pompousness
pomps
pompster
pomster
pon
ponce
ponceau
poncelet
ponces
poncho
ponchoed
ponchos
pond
pondage
pondbush
ponder
ponderability
ponderable
ponderableness
ponderal
ponderance
ponderancy
ponderant
ponderary
ponderate
ponderation
ponderative
pondered
ponderer
ponderers
pondering
ponderingly
ponderling
ponderment
ponderomotive
ponderosa
ponderosae
ponderosapine
ponderosity
ponderous
ponderously
ponderousness
ponders
pondfish
pondfishes
pondful
pondgrass
pondlet
pondlike
pony
pony's
ponycart
ponying
ponytail
ponytails
ponzite
pooa
pooch
pooches
pood
pooder
poodle
poodledom
poodleish
poodler
poodles
poodleship
poods
poof
pooftah
poogy
pooh
poohed
poohing
poohpoohist
poohs
poojah
pook
pooka
pookaun
pookawn
pookhaun
pookoo
pool
pooled
pooler
poolhall
poolhalls
pooli
pooling
poolroom
poolrooms
poolroot
pools
poolside
poolwort
pooly
poon
poonac
poonah
poonce
poonga
poongee
poonghee
poonghie
poons
poop
pooped
poophyte
poophytic
pooping
poops
poopsie
poor
poorer
poorest
poorga
poorhouse
poorhouses
poori
pooris
poorish
poorliness
poorling
poorly
poorlyish
poormaster
poorness
poornesses
poort
poortith
poortiths
poorweed
poorwill
poot
poother
pooty
poove
pop
pop's
popadam
popal
popcorn
popcorns
popdock
poplitic
poplolly
popode
popodium
popolis
popomastic
popover
popovers
poppa
poppability
poppable
poppadom
poppas
poppean
popped
poppel
popper
poppers
poppet
poppethead
poppets
poppied
poppies
poppin
popping
popple
poppled
popples
poppling
popply
poppy
poppy’s
poppycock
poppycockish
poppyfish
poppyfishes
poppyhead
poppylike
poppywort
pops
popshop
popsicle
popsy
populace
populaces
populacy
popular
populares
porcated
porcelain
porcelainization
porcelainize
porcelainized
porcelainizing
porcelainlike
porcelainous
porcelains
porcelaneous
porcelanic
porcelanite
porcelanous
porcellaneous
porcellanian
porcellanic
porcellanid
porcellanite
porcellanize
porcellanous
porch
porch's
porched
porches
porching
porchless
porchlike
porcine
porcupine
porcupine's
porcupines
porcupinish
pore
pored
porelike
porencephalia
porencephalic
porencephalitis
porencephalon
porencephalous
porencephalus
porencephaly
porer
pores
poret
porett
porge
porger
porosity
porotic
porotype
porous
porously
porousness
porpentine
porphine
porphyraceous
porphyratin
porphyria
porphyrian
porphyries
porphyrin
porphyrine
porphyrinuria
porphyrio
porphyron
porphyrisation
porphyrite
porphyritic
porphyrization
porphyrize
porphyrized
porphyrizing
porphyroblast
porphyroblastic
porphyrogen
porphyrogenite
porphyrogenic
porphyrogenitism
porphyrogeniture
porphyrogenitus
porphyroid
porphyrophore
porphyropsin
porphyrous
porphyry
porpitoid
porpoise
porpoiselike
porpoises
porpoising
porporate
purr
porraceous
porrect
porrection
portcullising
porte
porteacid
ported
porteligature
portend
portendance
portended
portending
portendment
portends
portension
portent
portention
portentive
portentosity
portentous
portentously
portentousness
portents
porteous
porter
porterage
porteress
porterhouse
porterhouses
porterlike
porterly
porters
portership
portesse
portfire
portfolio
portfolios
portglaise
portglave
portgrave
portgreve
porthole
portholes
porthook
porthors
porthouse
portia
portico
porticoed
porticoes
porticos
porticus
portiere
portiered
portieres
portifory
portify
porting
portio
portiomollis
portion
portion's
portionable
portionial
portionally
portioned
portioner
portioners
portiones
portioning
portionist
portionize
portionless
portions
portitor
portland
portlast
portless
portlet
portlier
portliest
portligature
portlight
portlily
portlines
portly
portman
portmanmote
portmanteau
portmanteaus
portmanteaux
portmantle
portmantologism
portment
portmoot
portmote
porto
portoise
portolan
portolani
portolano
portolanos
portpayne
portrait
portrait's
portraitist
portraitists
portraitlike
portraits
portraiture
portray
portrayable
portrayal
portrayals
portrayed
portrayer
portraying
portrayist
portrayment
portrays
portreeve
portreeveship
portress
portresses
ports
portsale
portside
portsider
portsman
portsoken
portuary
portuagais
portugal
portugese
portuguese
portulaca
portulacaceous
portulacas
portulan
portunian
portunid
porture
portway
porty
porule
porulose
porulous
porus
porwigle
pory
pos
posable
posada
posadas
posadaship
posaune
posca
poschay
pose
posed
poseidon
posement
poser
posers
poses
poseur
poseurs
poseuse
posey
posh
posher
poshest
poshly
poshness
posho
posied
posies
posing
posingly
posit
posited
positif
positing
position
positional
positioned
positioner
positioning
positionless
positions
positival
positive
positively
positiveness
positiver
possessionate
possessioned
possessioner
possessiones
possessionist
possessionless
possessionlessness
possessions
possessival
possessive
possessively
possessiveness
possessives
possessor
possessor's
possessoress
possessorial
possessoriness
possessors
possessorship
possessory
posset
possets
possibile
possibilism
possibilist
possibilitate
possibilities
possibility
possibility's
possible
possibleness
possibler
possibles
possiblest
possibly
possie
possies
possisdendi
possodie
possum
possum's
possumhaw
possums
possumwood
possy
post
postabdomen
postabdominal
postable
postabortal
postacetabular
postact
postadjunct
postage
postages
postal
postallantoic
postally
postals
postalveolar
postament
postamniotic
postanal
postanesthetic
postantennal
postaortic
postapolectic
postapostolic
postapolitical
postappendicular
postarmistice
postarterial
postarthritic
postarticular
postarytenoid
postaspirate
postaspirated
postasthmatic
postatrial
postauditory
postauricular
postaxiad
postaxial
postaxially
postaxillary
postbag
postbags
postbaptismal
postbellum
postbook
postbox
postboxes
postboy
postboys
postbrachial
postbrachium
postbranchial
postbreakfast
postbreeding
postbronchial
postbuccal
postbulbar
postbursal
postcaecal
postcalcaneal
postcalcareous
postcard
postcardiac
postcardinal
postcardial
postcardinal
postcarnate
postcarotid
postcart
postcartilageous
postcatarrhal
postcaudal
postcava
postcavae
postcaval
postcecal
postcenal
postcentral
postcentrum
postcerebellar
postcerebral
postcesarean
postcibial
postclassic
postclassical
postclassicism
postclavicle
postclavicular
postclavicular
postclimatic
postclival
postcode
postcoenal
postcoital
postcolon
postcolonial
postcolumellar
postcomitial
postcommissural
postcommissure
postcommunicant
postcommunion
postconceptive
postconcretism
postconcretist
postcondition
postcondylar
postconfinement
postconnubial
postconquest
postconsonantal
postcontact
postcontract
postconvalescent
postconvalescents
postconvulsive
postcordial
postcornu
postcosmic
postcostal
postcoxal
postcretaceous
postcribrate
postcritical
postcruciate
postcrural
postcubital
postdate
postdated
postdates
postdating
postdental
postdepressive
postdetermined
postdevelopmental
postdiagnostic
postdiaphragmatic
postdiastolic
postdicrotic
postdigestive
postdigital
postdiluvial
postdiphtherial
posterization
posterize
postern
posterns
posteroclusion
posterodorsad
posterodorsal
posterodorsally
posteroexternal
posteroinferior
posterointernal
posterolateral
posteromedial
posteromedian
posteromesial
posteroparietal
posterosuperior
posterotemporal
posteroterminal
posteroventral
posters
posteruptive
postesophageal
posteternity
postethmoid
postexilian
postexistent
postexpressionism
postexpressionist
postface
postfaces
postfact
postfactor
postfebrile
postfemoral
postfetal
postfix
postfixal
postfixation
postfixed
postfixes
postfixial
postfixing
postflection
postflexion
postfoetal
postform
postformed
postforming
postforms
postfoveal
postfrontal
postfurca
postfurcal
postganglionic
postgangrenal
postgastric
postgeninum
postgenial
postgenital
postgeniture
postglacial
postglenoid
postglenoidal
postgonorheic
postgracile
postgraduate
postgraduates
postgrippal
posthabit
postharvest
posthaste
postheat
posthemiplegic
posthemorrhagic
posthepatic
postthetomist
postthetomy
posthexaplar
posthexaplaric
posthippocampal
posthitis
posthoc
postholder
posthole
postholes
posthouse
posthuma
posthume
posthumeral
posthumous
posthumously
posthumousness
posthumus
posthyoid
posthypnotic
posthypnotically
posthypophyseal
posthypophysis
posthysterical
postic
postical
postically
postiche
postiches
posticious
posticteric
posticum
posticus
postie
postil
postiler
postilion
postilioned
postilions
postillate
postillation
postillator
postiller
postillion
postillioned
postils
postimpressionism
postimpressionist
postimpressionistic
postin
postincarnation
postinfective
postinfluenzal
posting
postingly
postings
postins
postintestinal
postique
postiques
postirradiation
postischial
postjacent
postjugular
postlabial
postlabially
postlachrymal
postlapsarian
postlarval
postlaryngeal
postlaryngeal
postleg
postlegitimation
postlenticular
postless
postlicentiate
postlike
postliminary
postlimini
postliminiary
postliminous
postliminium
postliminous
postliminy
postliterate
postloitic
postoral
postlude
postludes
postludium
postluetic
postmalarial
postmamillary
postmammary
postmammillary
postman
postmandibular
postmaniacal
postmarital
postmark
postmarked
postmarking
postmarks
postmarriage
postmaster
postmaster's
postmasterlike
postmasters
postmastership
postmastoid
postmaturity
postmaxillary
postmaximal
postneatal
postmedia
postmediaeval
postmedial
postmedian
postmediastinal
postmediastinum
postmedieval
postmedullary
postmeiotic
postmen
postmeningeal
postmenopausal
postmenstrual
postmerital
postmeridional
postmesenteric
postmillenarian
postmillenarianism
postmillennial
postmillennialism
postmillennialist
postmillennian
postmineral
postmistress
postmistresses
postmortal
postmortem
postmortems
postmortuary
postmultiplied
postmultiply
postmultiplying
postmundane
postmuscular
postmutative
postmycotic
postmyxedematous
postmyxedemic
postnarial
postnaris
postnasal
postnatal
postnaturally
postnate
postnati
postnatus
postnecrotic
postnephritic
postneural
postneuralgic
postneuritic
postneurotic
postnodal
postnodular
postnominal
postnota
postnotum
postnotums
postnotumta
postnuptial
postnuptially
postobituary
postocular
postoffice
postoffice's
postoffices
postolivary
postomental
postoperative
postoperatively
postoptic
postoral
postorbital
postorder
postordination
postorgastic
postosseous
postotic
postpagan
postpaid
postpalatal
postpalatine
postpalpebral
postpaludal
postparalytic
postparietal
postparotid
postparotitic
postparoxysmal
postpartal
postpartum
postparturient
postparturition
postpatellar
postpathologic
postpathological
postpectoral
postpeduncular
postperforated
postpericardial
postpharyngal
postpharyngeal
postphlogistic
postphragma
postphrenic
postphthisic
postphthisic
postpituitary
postplace
postplegic
postpneumonic
postponable
postpone
postponed
postponement
postponements
postponence
postponer
postpones
postponing
postpontile
postpose
postposit
postposited
postposition
postpositional
postpositionally
postpositive
postpositively
postprandial
postprandially
postpredicament
postprocess
postprocessing
postprocessor
postprophesy
postprophetic
postprophetical
postprostate
postpubertal
postpuberty
postpubescent
postpubic
postpubis
postpuerperal
postpulmonary
postpupillary
postpynotic
postpyloric
postpyramidal
postpyretic
postachitic
postamus
postrectal
postredemption
postreduction
postremogeniture
postremote
postrenal
postreproductive
postresurrection
postresurrectional
postretinal
postrheumatic
postrhinal
postrider
postrorse
postrostral
postrubeolar
posts
posttaccular
posttacular
posttcalenus
posttcapula
posttcapular
posttcapularis
posttcarlatinal
posttcarlatinoid
posttcenium
posttcholastic
posttschool
posttscorbutic
posttscribe
posttscript
posttscrip’s
posttscripts
posttscriptum
posttcutella
posttcutellar
postscutellum
postscutellum
postseason
postseasonal
postsigmoid
postsigmoidal
postsigmoidal
postsign
postsigner
postspasmotic
postsphenoid
postsphenoidal
postsphygmic
postspinous
postsplenial
postsplenic
poststernal
poststertorous
postsuppurative
postsurgical
postsymphysial
postsynaptic
postsynaptically
postsynsacral
postsyphilitic
postsystolic
posttabetic
posttarsal
posttemporal
posttension
posttest
posttests
posttetanic
postthalamical
postthoracic
postthyroidal
posttibial
posttonic
posttoxic
posttracheal
posttrapezoid
posttraumatic
posttreatment
posttreaty
posttubercular
posttussive
posttympanic
posttyphoid
postulance
postulancy
postulant
postulants
postulantship
postulata
postulate
postulated
postulates
postulating
postulation
postulational
postulations
postulator
postulatory
postulatum
postulain
postumbilical
postumbonal
postural
posture
posture's
postured
posturer
posturers
postures
postureteral
postureteric
posturing
posturise
posturised
posturising
posturist
posturize
posturized
posturizing
postuterine
postvaccinal
postvaricellar
postvarioidal
postvelar
postvenereal
postvenous
postventral
postverbal
postvertebral
postvesical
postvide
postvocalic
potation
potations
potative
potato
potatoes
potator
potatory
potbank
potbellied
potbellies
potbelly
potboil
potboiled
potboiler
potboilers
potboiling
potboils
potboy
potboydom
potboys
potch
potcher
potcherman
potchermen
potcrook
potdar
pote
potecary
poteen
poteens
potence
potences
potencies
potency
potent
potency
potentacy
potentate
potentate's
potentates
potentee
potential
potentialities
potentiality
potentialization
potentialize
potentially
potentialness
potentials
potholes
potholing
pothook
pothookery
pothooks
pothouse
pothouses
pothousey
pothunt
pothunted
pothunter
pothunting
pot
poticary
potiche
potiches
potichomania
potichomanist
potifer
potion
potions
potlach
potlache
potlaches
potlatch
potlatched
potlatches
potlatching
potleg
potlicker
potlid
potlike
potlikker
potline
potling
potluck
potlucks
potmaker
potmaking
potman
potmen
potomac
potomania
potomato
potometer
potong
potoo
potooos
pottier
potties
pottiest
potting
pottinger
pottle
potted
pottles
potto
pottos
pottur
potty
potus
potwaller
potwalling
potwalloper
potware
potwhisky
potwork
potwort
potycary
pouce
poucer
poucey
pouch
pouch's
pouched
pouches
pouchful
pouchier
pouchiest
pouching
pouchless
pouchlike
pouchy
poucy
poudret
poudrette
poudreuse
poudreuses
poudrin
pouf
poufed
pouff
pouffe
pouffed
pouffes
pouffs
poufs
poulaine
poulard
poularde
poulardes
poulardize
poulards
pouladron
poule
poulet
poulette
poulp
poulpe
poul
poulter
poulterer
poulteress
poultice
poulticed
poultices
poulticewise
poulticing
poultries
poultry
poultrydom
poultryist
poultryless
poultrylike
poultryman
poultrymen
poultryproof
poult
pournamu
pounce
pounced
pouncer
pouncers
pounces
pouncet
pouncing
pouncingly
pounchy
pound
poundage
poundages
poundal
poundals
poundbreach
poundcake
pounded
pounder
pounders
pounding
poundkeeper
poundless
poundlike
poundman
poundmaster
poundmeal
pounds
poundstone
poundworth
pour
pourability
pourable
pourboire
pourboires
poured
pourer
pourers
pourie
pouring
pouringly
pourparler
pourparlers
pourparley
pourparty
pourpiece
pourpoint
pourpointer
pourprise
pourquoi
pourris
pours
pourvete
pouser
pousse
pousseette
pousseted
poussetting
poussie
poussies
poussin
poustie
pousy
pout
powering
powerless
powerlessly
powerlessness
powermonger
powerplants
powers
powerset
powerset's
powersets
powerstat
powhead
powitch
powldoody
pownie
powny
pows
powssoddy
poowsowdy
powter
powters
powwow
powwowed
powwower
powwowing
powwowism
powwows
pox
poxed
poxes
poxing
poxvirus
poxviruses
poxy
poy
poybird
poynell
poynill
poyou
poyous
pox
pozzolan
pozzolana
pozzolanic
pozzolans
pozzuolana
pozzuolanic
pozzy
praelection
praelectionis
praelerctor
praelerctorship
praelerctress
praelercts
praeludium
praemaxilla
praemolar
praemunientes
praemunire
praenarial
praeneural
praenomen
praenomens
praenomina
praenominal
praecoperculum
praepositor
praepositure
praepositus
praeposter
praepostor
praepostorial
praepubis
praepuce
praescutum
praesens
praesenti
praesertim
praeses
praesidia
praesidium
praesphenoid
praesternal
praesternum
praestomium
praesystolic
praetaxation
praetexta
praetextae
praetor
praetorial
praetorian
praetorianism
praetorium
praetors
praetorship
praeygaporhis
pragmarize
pragmat
pragmatic
pragmatica
pragmatical
pragmaticality
pragmatically
pragmaticalness
pragmaticism
pragmaticist
pragmatics
pragmatism
pragmatist
pragmatistic
pragmatists
pragmatize
pragmatizer
prague
praham
prahm
prahu
prahu
prairie
prairicraft
praired
prairiedom
prairielike
prairies
prairieweed
prairillon
praisable
praisableness
praisably
praise
praised
praiseful
praisefully
praisefulness
praiseless
praiseproof
praiser
praisers
praises
praiseworthy
praiseworthy
praising
praising
prais
praiseworthy
praiseworthiness
prajna
prakrit
prakriti
praline
pralines
pralltriller
pram
pramnian
prams
prana
pranava
prance
pranced
pranceful
prancer
prancers
prances
prancing
prancingly
prancome
prancy
prand
prandial
prandially
prang
pranged
pranging
prangs
pranidhana
prank
prank's
pranked
pranker
prankful
prankfulness
prankier
prankiest
pranking
prankingly
prankish
prankishly
prankishness
prankle
pranks
pranksome
pranksomeness
prankster
pranksters
prakt
pranky
prao
praos
prase
praseocobaltic
praseodidymium
praseodymia
praseodymium
praseolite
prases
prasine
prasinous
praskeen
prasoid
prasophagous
prasophagy
prastha
prat
pratal
prate
prated
prateful
pratement
pratensian
prater
praters
prates
pratey
pratfall
pratfalls
pratiloma
pratincole
pratincoline
pratincolous
prating
pratingly
pratique
pratiques
pratiyasamutpada
prats
prattfall
prattle
prattled
prattlement
prattler
prattlers
prattles
prattling
prattlingly
prattly
pratty
prau
praus
pravilege
pravity
pravous
prawn
prawned
prawner
prawners
prawning
prawns
prawny
praxeological
praxeology
praxes
praxinoscope
praxiology
praxis
praxises
praxithea
pray
praya
prayable
prayed
prayer
prayer's
prayerful
prayerfully
prayerfulness
prayerless
prayerlessly
prayerlessness
prayermaker
prayermaking
prayers
prayerwise
prayful
praying
prayingly
prayingwise
preacher
preacherdom
preacheress
preacherize
preacherless
preacherling
preachers
preachership
preaches
preacher
preachiest
preachied
preachification
preachified
preachify
preachifying
preachily
preachiness
preaching
preachingly
preachings
preachman
preachment
preachments
preachy
preacid
preacidity
preacidly
preacidness
preacknowledge
preacknowledged
preacknowledgement
preacknowledging
preacknowledgment
preacness
preacquaint
preacquaintance
preacquire
preacquired
preacquiring
preacquisition
preacquisitive
preacquisitively
preacquisitiveness
preacquit
preacquittal
preacquitted
preacquitting
preact
preacted
preacting
preaction
preactive
preactively
preactiveness
preactivity
preacts
preacute
preacutely
preacuteness
preadamic
preadamite
preadamitic
preadamitical
preadamitism
preadapt
preadaptable
preadaptation
preadapted
preadapting
preadaptive
preadaptts
preaddition
preadditional
preaddress
preadequacy
preadequate
preadequately
preadequateness
preadhere
preadhered
preadherence
preadherent
preadherently
preadhering
preadjectival
preadjectivally
preadjective
preadjourn
preadjournment
preadjunct
preadjust
preadjustable
hreadjusted
preadjusting
preadjustment
preadvocacy
preadvocate
preadvocated
preadvocating
preaestival
preaffect
preaffection
preaffidavit
preaffiliate
preaffiliated
preaffiliating
preaffiliation
preaffirm
preaffirmation
preaffirmative
preaffirmed
preaffirming
preaffirms
preafflict
preaffliction
preafternoon
preage
preaged
preaggravate
preaggravated
preaggravating
preaggravation
preaggression
preaggressive
preaggressively
preaggressiveness
preaging
preagitate
preagitated
preagitating
preagitation
preagonal
preagony
preagree
preagreed
preagreeing
preagreement
preagricultural
preagriculture
prealarm
prealcohol
prealgebra
prealgebraic
prealkalic
preallable
preallably
preallocation
preallege
prealleged
prealleging
prealliance
preallied
preallies
preallocate
preallocated
preallocating
preallot
preallotment
prealloots
preallotted
preallooting
preallow
preallowable
preallowably
preallowance
preallude
prealluded
prealluding
preallusion
preally
preallying
prealphabet
prealphabetical
prealphabetically
prealtar
preterter
preterteral
preternatural
preternaturality
preternaturally
prealter
prealteration
prealveolar
preamalgamation
preambassadorial
preambition
preambitious
preambitiously
preamble
preambled
preambles
preambling
preambular
preambulatory
preambulate
preambulation
preambulatory
preamp
preamplifier
preamplifiers
preamps
preanal
preanaphoral
preanesthetic
preanimism
preannex
preannounce
preannounced
preannouncement
preannouncements
preannouncer
preannounces
preannouncing
preantepenult
preantepenultimate
preanterior
preanticipate
preanticipated
preanticipating
preantiquity
preantiseptic
preaortic
preappearance
preappearances
preapperception
preapplication
preapplications
preapplied
preapply
preapplying
preappoint
preappointed
preappointing
preappointment
preappoints
preapprehend
preapprehension
preapprise
preapprised
preapprising
preapprize
preapprized
preapprizing
preapprobation
preapproval
preapprove
preapproved
preapproving
preaptitude
prearm
prearmed
prearming
prearms
prearrange
prearranged
prearrangement
prearranges
prearranging
prearrest
prearrestment
prearticulate
preartistic
preascertain
preascertained
preascertaining
preascertainment
preascertains
preascetic
preascitic
preaseptic
preassemble
preassembled
preassembles
preassembling
preassembly
preassert
preassign
preassigned
preassigning
preassigns
preassume
preassumed
preassuming
preassumption
preassurance
preassure
preassured
preassuring
preataxic
preatomic
preattachment
preattune
preattuned
preattuning
preaudience
preauditory
preauricular
preaver
preaverred
preaverring
preavers
preavowal
preaxia
preaxially
prebachelor
prebacillary
prebade
prebake
prebalance
prebalanced
prebalancing
preballot
preballoted
preballoting
prebankruptcy
prebaptismal
prebaptize
prebarbaric
prebarbarically
prebarbarous
prebarbarously
prebarbarousness
prebargain
prebasal
prebasilar
prebble
prebelieve
prebelief
prebelieve
prebelieved
prebeliever
prebelieving
prebellum
prebeloved
prebend
prebendal
prebendaries
prebendary
prebendaryship
prebendate
prebends
prebenediction
prebeneficiaries
prebeneficiary
prebenefit
prebenefited
prebenefiting
prebeset
prebesetting
prebestow
prebestowal
prebetray
prebetrayal
prebetrothal
prebid
prebidding
prebill
prebilled
prebilling
prebills
prebind
prebinding
prebinds
prebiologic
prebiological
prebiotic
prebless
preblessed
preblesses
preblessing
preblockade
preblockaded
preblockading
preblooming
preboast
preboding
preboil
preboiled
preboiling
preboils
preborn
preborrowing
prebound
preboyhood
prebrachial
prebrachium
precapturing
precarcinomatous
precardiac
precaria
precarious
precariously
precariousness
precarium
precarnival
precartilage
precartilaginous
precary
precast
precasting
precasts
precation
precative
precatively
precatory
precaudal
precausation
precaution
precaution's
precautional
precautionary
precautioning
precautions
precautious
precautiously
precautiousness
precava
precavae
precaval
precchose
precchosen
precedable
precedaneous
precede
preceded
precedence
precedence's
precedences
precedencies
precedency
precedent
precedentable
precedentary
precedented
precedential
precedentless
precedently
precedents
preceder
precedes
preceding
precedence
preceding
presel
precelebrant
precelebrate
precelebrated
precelebrating
precelebration
precelebrations
precensor
precensure
precensured
precensuring
precensus
precent
precented
precentennial
precenting
precentless
precentor
precentorial
precentors
precentorship
precentory
precentral
precentress
precentrix
precentrum
precents
precept
precept's
preception
preceptist
preceptive
preceptively
preceptor
preceptoral
preceptorate
preceptorial
preceptorially
preceptories
preceptors
preceptorship
preceptory
preceptress
preceptresses
precepts
preceptual
preceptually
preceramic
precerebellar
precerebral
precerebroid
preceremonial
preceremonies
preceremony
precertification
precertified
precertify
precertifying
preces
precess
precessed
precesses
precessing
precession
precessional
precessions
prechallenge
prechallenged
prechallenging
prechampioned
prechampionship
precharge
precharged
precharging
prechart
precharted
precheck
prechecked
prechecking
prechecks
prechemical
precherish
prechildhood
prechill
prechilled
prechilling
prechills
precipitatousness
precipitin
precipitinogen
precipitinogenic
precipitous
precipitously
precipitousness
precirculate
precirculated
precirculating
precirculation
precis
precise
precised
precisely
preciseness
preciser
precises
precisest
precisian
precisianism
precisianist
precisianistic
precisians
precising
precision
precisional
precisioner
precisionism
precisionist
precisionistic
precisionize
precisions
precise
preciso
precitation
precite
precited
preciting
precivilization
preclaim
preclaimant
preclaimer
preclare
preclassic
preclassical
preclassically
preclassification
preclassified
preclassify
preclassifying
preclean
precleaned
precleaner
precleaning
precleans
preclerical
preclimax
preclinical
preclival
precloacal
preclose
preclosed
preclosing
preclosure
preclot
preclothed
preclothing
precludable
preclude
precluded
precludes
precluding
preclusion
preclusive
preclusively
precoagulation
precoccygeal
precoccyx
precocious
precociously
precociousness
precocity
precogitate
precogitated
precogitating
precogitation
precognition
precognitions
precognitive
precognizable
precognizant
precognize
precognized
precognizing
precognosce
precoil
precoiler
precoincidence
precoincident
precoincidently
precollapsable
precollapse
precollapsed
precollapsibility
precollapsible
precollapsing
precollect
precollectable
precollection
precollector
precollege
precollegiate
precollude
precolluded
precolluding
precollusion
precollusive
precolonial
precolor
precolorable
precoloration
precoloring
precolour
precolourable
precolouration
precombat
precombatant
precombated
precombating
precombination
precombine
precombined
precombining
precombustion
precommand
precommend
precommit
precommercial
precommissural
precommissure
precommit
precommitted
precomputed
precomputing
precomradeship
preconceal
preconcealed
preconcealing
preconcealment
preconceals
preconcede
preconceded
preconceding
preconceivable
preconceive
preconceived
preconceives
preconceiving
preconcentrate
preconcentrated
preconcentratedly
preconcentrating
preconcentration
preconcept
preconception
preconception's
preconceptional
preconceptions
preconceptual
preconcern
preconcernment
preconcert
preconcerted
preconcertedly
preconcertedness
preconcertion
preconcertive
preconcession
preconcessions
preconcessive
preconclude
preconcluded
preconcluding
preconclusion
preconcur
preconcurred
preconcurrency
preconcurrent
preconcurrently
preconcurring
precondemn
precondemnation
precondemned
precondemning
precondemns
precondensation
precondense
precondensed
precondensing
precondition
preconditioned
preconditioning
preconditions
preconduct
preconduction
preconductor
precondylar
precondyloid
preconfer
preconference
preconferred
precon differing
preconfess
preconfession
preconfide
preconfided
preconfiding
preconfiguration
preconfigure
preconfigured
preconfiguring
preconfine
preconfined
preconfinedly
preconfinement
preconfinenmt
preconfining
preconfirm
preconfirmation
preconflict
preconf orm
preconformity
preconfound
preconfuse
preconfused
preconfusedly
preconfusing
preconfusion
precongenial
precongested
precongestion
precongestive
precongratulate
precongratulated
precongratulating
precongratulation
precongressional
preconise
preconizance
preconization
preconize
preconized
preconizer
preconizing
preconjecture
preconjectured
preconjecturing
preconnection
preconnective
preconnubial
preconquer
preconquest
preconquestal
preconquestual
preconscious
preconsciously
preconsciousness
preconsecrated
preconsecrating
preconsecrate
preconsecrated
preconsecrating
preconsecration
preconsent
preconsider
preconsideration
preconsiderations
preconsidered
preconsign
preconsolidate
preconsolation
preconsole
preconsolidate
preconsolidated
preconsolidating
preconsolidation
preconsonantal
preconspiracies
preconspiracy
preconspirator
preconspire
preconspired
preconspiring
preconstituent
preconstitute
preconstituted
preconstituting
preconstruct
preconstructed
preconstructing
preconstruction
preconstructs
preconsult
preconsultation
preconsultations
preconsultor
preconsume
preconsumed
preconsumer
preconsuming
preconsumption
precontact
precontain
precontained
precontemn
precontemplate
precontemplated
precontemplating
precontemplation
precontemporaneity
precontemporaneous
precontemporaneously
precontemporary
precontend
precontent
precontention
precontently
precontentment
precontest
precontinental
precontract
precontractive
precontractual
precontribute
precontributed
precontributing
precontribution
precontributive
precontrivance
precontrive
precontrived
precontrives
precontriving
precontrol
precontrolled
precontrolling
precontroversial
precontroversies
precontroversy
preconvention
preconversation
preconversational
preconversion
preconvert
preconvey
preconveyal
preconveyance
preconvict
preconviction
preconvince
preconvinced
preconvincing
precony
precook
precooked
precooker
precooking
precooks
precool
precooled
precooler
precooling
precools
precopied
precopulatory
precopy
precopying
precoracoid
precordia
precordial
precordiality
precordially
precordium
precorneal
precornu
precoronation
precorrect
precorrection
precorrectly
precorrectness
precorspond
precorsrespondence
precorsrespondent
precorsridor
precorsrupt
precorsruption
precorsruptive
precorsruptly
precorsruptness
precorsruptness
precorsmic
precorsmical
precorsmically
precostal
precounsel
precounseled
precounseling
precounsellor
precourse
precovers
precoversing
precox
precranial
precranially
precreate
precreation
precreative
precredit
precreditor
precreed
precritical
precriticalism
precriticize
precriticized
precriticizing
precruical
precruural
precruystalline
precule
precultivate
precultivated
precultivating
precultivation
precultural
preculturally
preculture
precuneal
precuneate
precuneus
precure
precured
precures
precuring
precurrent
precurrer
precurricula
precurricular
precurriculum
precurriculums
precurriculums
precusal
precurse
precursive
precursor
precursor's
precursors
precursory
precurtain
precut
precyclone
precyclonic
precylical
precyst
precystic
pred
predable
predaceous
predaceousness
predaceousness
predacious
predaciousness
predacy
predamage
predamaged
predamaging
predamn
predamnation
predark
predarkness
preda
pdate
predated
predates
predating
predation
predations
predatism
predative
predator
predatorial
predatorily
predatoriness
predators
predatory
predawn
predawns
preday
predaylight
predaytime
predazzite
predealer
predealing
predeath
predeathly
predebate
predebater
predebit
predebtor
predebt
predebt
predecay
predecease
predeceased
predeceaser
predeceases
predeceasing
predeceive
predeceived
predeceiver
predeceiving
predeception
predecess
predecession
predecessor
predecessor's
predecessors
predecessorship
predecide
predecided
predeciding
predecision
predecisive
predecisively
predeclaration
predeclare
predeclared
predeclaring
predeclination
predecline
predeclined
predeclining
predecree
predecreed
predecreeing
predecrement
prededicate
prededicated
prededicating
prededication
prededuct
prededuction
predefault
predefeat
predefect
predefective
predefence
predefend
predefense
predefiance
predeficiency
predeficient
predeficiently
predefied
predefine
predefined
predefines
predefining
predefinite
predefinition
predefinition's
predefinitions
predefray
predefrayal
predefy
predefying
predegeneracy
predegenerate
<table>
<thead>
<tr>
<th>predegree</th>
<th>predeication</th>
</tr>
</thead>
<tbody>
<tr>
<td>predelay</td>
<td>predelegate</td>
</tr>
<tr>
<td>predelegated</td>
<td>predelegating</td>
</tr>
<tr>
<td>predeliberate</td>
<td>predeliberation</td>
</tr>
<tr>
<td>predeliberately</td>
<td>predeliberating</td>
</tr>
<tr>
<td>predelivered</td>
<td>predelivering</td>
</tr>
<tr>
<td>predelivered</td>
<td>predelivering</td>
</tr>
<tr>
<td>predelineate</td>
<td>predelineated</td>
</tr>
<tr>
<td>predelineating</td>
<td>predelineation</td>
</tr>
<tr>
<td>predelinquent</td>
<td>predelinquently</td>
</tr>
<tr>
<td>predelivered</td>
<td>predeliver</td>
</tr>
<tr>
<td>predelivered</td>
<td>predeliveries</td>
</tr>
<tr>
<td>predelivery</td>
<td>predella</td>
</tr>
<tr>
<td>predelle</td>
<td>predelude</td>
</tr>
<tr>
<td>predeluded</td>
<td>predeluding</td>
</tr>
<tr>
<td>predelusion</td>
<td>predemand</td>
</tr>
<tr>
<td>predicacy</td>
<td>predemocracy</td>
</tr>
<tr>
<td>predemocratic</td>
<td>predeparmental</td>
</tr>
<tr>
<td>predeparture</td>
<td>predependable</td>
</tr>
<tr>
<td>predependence</td>
<td>predependence</td>
</tr>
</tbody>
</table>
predependent
predeplete
predepleted
predepleting
predepletion
predeposit
predepository
predeprecate
predepreciated
predepreciating
predepreciation
predepression
predeprivation
predeprive
predeprived
predepriving
prederivation
prederive
prederived
prederiving
predescent
predescent
predescribe
predescribed
predescribing
predescription
predesert
predesert
predesertion
predeserve
predeserved
predeserving
predeserving
predesign
predesigned
predesignated
predesignates
predesignating
predesignation
predesignatory
predesirous
predesirously
predesolate
predesolation
predespair
predesperate
predespicable
predespise
predespond
predespondency
predespondent
predestinable
predestinarian
predestinarianism
predestinate
predestinated
predestinately
predestinates
predestining
predestination
predestinationism
predestinationist
predestinative
predestinator
predestine
predestined
predestines
predestining
predestiny
predestinate
preestitution
preestroy
predestruction
predetach
predetachment
predetail
predetain
predetainer
predetect
predetection
predetention
predeterminability
predeterminable
predeterminant
predetermine
predeterminately
predetermination
predeterminations
predeterminative
predetermine
predetermined
predeterminer
predetermines
predetermining
predeterminism
predeterministic
predetest
predetestation
predetrimental
predevelop
predevelopment
predevise
predevised
predevising
predevote
predevotion
predevoir
prediabetes
prediabetic
prediagnoses
prediagnosis
prediagnostic
predial
predialist
prediality
prediastolic
prediatory
predicability
predicable
predicable
predicable
predicable
predicable
predicable
predicable
predicament
predicamental
predicamentally
predicaments
predicant
predicate
predicated
predicates
predicating
predication
predicational
predications
predicative
predicatively
predicator
predicatory
predicrotic
predict
predictability
predictable
predictably
predictate
predictated
predisability
predisable
predisadvantage
predisadvantageous
predisadvantageously
predisagree
predisagreeable
predisagreed
predisagreeing
predisagreement
predisappointment
predisaster
predisastrous
predisastrously
prediscern
prediscernment
predischarge
predischarged
predischarging
prediscipline
predisciplined
predisciplining
predisclose
predisclosed
predisclosing
predisclosure
prediscontent
prediscontented
prediscontentment
prediscontinuance
prediscontinuation
prediscontinue
prediscount
prediscountable
prediscourage
prediscouraged
prediscouragement
prediscouraging
prediscourse
prediscover
prediscoverer
prediscoveries
prediscovery
prediscreeet
prediscretion
prediscretionary
prediscriminate
prediscriminated
prediscriminating
prediscrimination
prediscriminator
prediscuss
prediscussion
predisgrace
predisguise
predisguised
predisguising
predisgust
predislike
predisliked
predisliking
predismiss
predismissal
predismissary
predisorder
predisordered
predisorderly
predispatch
predispatcher
predisperse
predispersed
predispersing
predispersion
predisplace
predisplaced
predisplacement
predisplacing
predisplay
predisponency
predisponent
predisposable
predisposal
predispose
predisposed
predisposedly
predisposedness
predisposes
predisposing
predisposition
predispositional
predispositions
predisputant
predisputation
predispute
predisputed
predisputing
predisregard
predisrupt
predisruption
predisatisfaction
predisolution
predisolve
predisolved
predisolving
predisuade
predisuaed
predisuading
predistinct
predistinction
predistinguish
predistortion
predistress
predistribute
predistributed
predistributing
predistribution
predistributor
predistrict
predistrust
predistrustful
predisturb
predisturbance
prediversion
predivert
predivide
predivided
predividend
predivider
predividing
predivinable
predivinity
predivision
predivorce
predivorcement
prednisolone
prednisone
predoctoral
predoctorate
predocumentary
predomestic
predomestically
predominance
predominancy
predominant
predominantly
predominate
predominated
predominately
predominates
predominating
predominatingly
predomination
predominator
predonate
predonated
predonating
predonation
predonor
predoom
predormition
predorsal
predoubt
predoubter
predoubtful
predoubtfully
predraft
predrainage
predramatic
predraw
predrawer
predrawing
predrawn
predread
predreadnought
predrew
predried
predrill
predriller
predrive
predriven
predriver
predriving
predrove
predry
predrying
preduplicate
preduplicated
preduplicating
preduplication
predusk
predusks
predwell
preemancipation
preembarrass
preembarrassment
preembodied
preembodiment
preembody
preembodying
preemergence
preemergencies
preemergency
preemergent
preemie
preemies
preeminence
preeminent
preeminently
preemotion
preemotional
preemotionally
preemperor
preemphasis
preemploy
preemployee
preemployer
preemployment
preempt
preempted
preempting
preemption
preemptions
preemptive
preemptively
preemptor
preemptory
preempts
preen
preenable
preenabled
preenabling
preenact
preenacted
preenacting
preenaction
preenacts
preenclose
preenclose
preenclosed
preenclosing
preenclosure
preencounter  
preencourage  
preencouragement  
preendeavor  
preendorse  
preendorsed  
preendorsement  
preendorser  
preendorsing  
preened  
preener  
preeners  
preenforce  
preenforced  
preenforcement  
preenforcing  
preenengage  
preenaged  
preenagement  
preeengages  
preenengaging  
preenengineering  
preening  
preenjoy  
preenjoyable  
preenjoyment  
preenlarge  
preenlarged  
preenlargement  
preenlarging  
preenlighten  
preenlightener  
preenlightenment  
preenlist  
preenlistment  
preenlistments  
preenroll  
preenrollment  
preen  
preentail  
preentailment  
preenter  
preentertain  
preentertainer  
preentertainment  
preenthusiasm  
preentitle  
preenitled
preentitling
preentrance
preentry
preenumerate
preenumerated
preenumerating
preenumeration
preenvelop
preenvelopment
preenvironmental
preepidemic
preepochal
preequalization
preequip
preequipment
preequipped
preequipping
preequity
preeject
preejection
preerupt
preeruption
preeruptive
preeruptively
prees
preescape
preescaped
preescaping
preeophageal
preessay
preessential
preessentially
preestablish
preestablished
preestablishes
preestablishing
preesteem
preestimate
preestimated
preestimates
preestimating
preestimation
preestival
preeternal
preeternity
preevade
preevaded
preevading
preevaporate
preevaporated
preevaporating
preevaporation
preevaporator
preevasion
preevidence
preevident
preevidently
preevolutional
preevolutionary
preevolutionist
preexact
preexaction
preexamination
preexaminations
preexamine
preexamined
preexaminer
preexamines
preexamining
preexcept
preexception
preexceptional
preexceptionally
preexchange
preexchanged
preexchanging
preexcitation
preexcite
preexcited
preexciting
preexclude
preexcluded
preexcluding
preexclusion
preexclusive
preexclusively
preexcursion
preexcuse
preexcused
preexcusing
preexecute
preexecuted
preexecuting
preexecution
preexecutor
preexempt
preexpressive
preextend
preextensive
preextensively
preextent
preextinction
preextinguish
preextinguishment
preextract
preextraction
preeze
pref
prefab
prefabbed
prefabbing
prefabricate
prefabricated
prefabricates
prefabricating
prefabrication
prefabricator
prefabs
preface
prefaceable
prefaced
prefacer
prefacers
prefaces
prefacial
prefacing
prefacist
prefactor
prefactory
prefamiliar
prefamiliarity
prefamiliarly
prefamous
prefamously
prefashion
prefashioned
prefatious
prefatiorial
prefatorial
prefatorially
prefatorily
prefatory
prefavor
prefavorable
prefavorably
prefavorite
prefearful
prefearfully
prefeast
prefect
prefectly
prefectoral
prefectorial
prefectorially
prefectorian
prefects
prefectship
prefectual
prefectural
prefecture
prefectures
prefecundation
prefecundatory
prefederal
prefelic
prefer
preferability
preferable
preferableness
preferably
prefered
preferee
preference
preference's
preferences
preferent
preferential
preferentialism
preferentialist
preferentially
preferment
prefermentation
preferments
preferral
preferred
preferredly
preferredness
preferrer
preferrers
preferring
preferrous
prefers
prefertile
prefertility
prefertilization
prefertilize
prefertilized
prefertilizing
prefervid
prefestival
prefet
prefeudal
prefeudalic
prefeudalism
prefroze
prefroze
prefrozen
prefiction
prefictional
prefigurate
prefiguration
prefigurative
prefiguratively
prefigurativeness
prefigure
prefigured
prefigurement
prefiguren
prefigures
prefiguring
prefill
prefiller
prefills
prefilter
prefinal
prefinance
prefinanced
prefinancial
prefinancing
prefine
prefinish
prefix
prefixable
prefixal
prefixally
prefixation
prefixed
prefixedly
prefixes
prefixing
prefixion
prefixions
prefixure
preflagellate
preflagellated
preflatter
preflattery
preflavor
preflavoring
preflection
preflexion
preflight
preflood
prefloration
preflowering
prefocus
prefocused
prefocusses
prefocusing
prefocussed
prefocusses
prefocussing
prefoliation
prefool
preforbidden
preforceps
preforgave
preforgive
preforgiven
preforgiveness
preforgiving
preforgotten
preform
preformant
preformation
preformationary
preformationism
preformationist
preformative
preformed
preforming
preformism
preformist
preformistic
preforms
preformulate
preformulated
preformulating
preformulation
prefortunate
prefortunately
prefortune
prefoundation
prefounder
prefract
prefragrance
prefragrant
prefrank
prefranked
prefranking
prefrankness
prefranks
prefraternal
prefraternally
prefraud
prefreeze
prefreezing
prefreshman
prefreshmen
prefriendly
prefriendship
prefright
prefrighten
prefrontal
prefroze
prefrozen
prefulfill
prefulfillment
prefulance
prefulgency
prefulgent
prefunction
prefunctional
prefuneral
prefungoidal
prefurlough
prefurnish
pregain
pregainer
pregalvanize
pregalvanized
pregalvanizing
pregame
preganglionic
pregastrular
pregather
pregathering
pregeminum
pregenerate
pregenerated
pregenerating
pregeneration
pregenerosity
pregenerous
pregenerously
pregenial
pregeniculatum
pregeniculum
pregenital
pregeological
preggers
preghiera
pregirlhood
preglacial
pregladden
pregladness
preglenoid
preglenoidal
preglobulin
pregnability
pregnable
pregnance
pregnancies
pregnancy
pregnant
pregnantly
pregnantness
pregnenolone
pregolden
pregolfing
pregracile
pregracious
pregrade
pregraded
pregrading
pregraduation
pregranite
pregranitic
pregratification
pregratified
pregratify
pregratifying
pregreet
pregreeting
pregrievance
pregrowth
preguarantee
preguaranteed
preguaranteeing
preguarantor
preguard
preguess
preguidance
preguide
preguided
preguiding
preguilt
preguiltiness
preguilty
pregust
pregustant
pregustation
pregustator
pregustic
prehallux
prehalter
prehalteres
prehandicap
prehandicapped
prehandicapping
prehandle
prehandled
prehandling
prehaps
preharden
prehardened
prehardener
prehardenening
prehardenens
preharmisous
preharmisously
preharmisousness
preharmony
preharsch
preharschness
preharvest
prehated
prehaunt
prehaunted
prehaustorium
prehazard
prehazardous
preheal
prehearing
preheat
preheated
preheater
preheating
preheats
prehemiplegic
prehend
prehended
prehensibility
prehensible
prehensile
prehensility
prehension
prehensive
prehensiveness
prehensor
prehensorial
prehensory
prehaptic
prehapticus
preheroic
prehesitancy
prehesitate
prehesitated
prehesitating
prehesitation
prehexameral
prehistorian
prehistoric
prehistorical
prehistorically
prehistorics
prehistories
prehistory
prehinite
prehinitic
preholder
preholding
preholiday
prehominid
prehorizon
prehorr
prehostile
prehostility
prehuman
prehumans
prehumiliate
prehumiliation
prehumor
prehunger
prehydration
prehypophysis
preidea
preidentification
preidentified
preidentify
preidentifying
preignition
preilium
preilluminate
preillumination
preillustrate
preillustrated
preillustrating
preillustration
preimage
preimaginary
preimagination
preimagine
preimagined
preimagining
preimbibe
preimbibed
preimbibing
preimbue
preimbued
preimbuing
preimitate
preimitated
preimitating
preimitation
preimitative
preimmigration
preimpair
preimpairment
preimpart
preimperial
preimport
preimportance
preimportant
preimportantly
preimportation
preimpositional
preimpose
preimposed
preimposing
preimposition
preimpress
preimpression
preimpressionism
preimpressionist
preimpressive
preimprove
preimproved
preimprovement
preimproving
preinaugural
preinaugurate
preinaugurated
preinaugurating
preincarnate
preincentive
preincarnation
preinclination
preinclination
preinclined
preinclining
preinclude
preincluded
preincluding
preinclusion
preincorporate
preincorporated
preincorporating
preincorporation
preincrease
preincreased
preincreasing
preindebted
preindebtedly
preindebtedness
preindeMNification
preindeMNified
preindeMNify
preindeMNifying
preindeMNnity
preindeMNence
preindeMNent
preindeMNently
preindesignate
preindicant
preindicate
preindicated
preindicating
preindication
preindicative
preindispose
preindisposed
preindisposing
preindisposition
preinduce
preinduced
preinducement
preinducing
preinduction
preinductive
preindulge
preindulged
preindulgence
preindulgent
preindulging
preindustrial
preindustry
preinfect
preinfection
preinfer
preinfereence
preinferring
preinflection
preinflectional
preinflict
preinfliction
preinfluence
preinform
preinformation
preinhabit
preinhabitant
preinhabitation
preinhere
preinherited
preinhering
preinherit
preinheritance
preinitial
preinitialize
preinitialized
preinitializes
preinitializing
preinitiate
preinitiated
preinitiating
preinitiation
preinjure
preinjurious
preinjury
preinquisition
preinscribe
preinscribed
preinscribing
preinscription
preinsert
preinserted
preinserting
preinsertion
preinserts
preinsinuate
preinsinuated
preinsinuating
preinsinuatingly
preinsinuation
preinsinuative
preinspect
preinspection
preinspector
preinspire
preinspired
preinspiring
preinstall
preinstallation
preinstill
preinstillation
preinstruct
preinstructed
preinstructing
preinstruction
preinstructional
preinstructive
preinstructs
preinsula
preinsular
preinsulate
preinsulated
preinsulating
preinsulation
preinsult
preinsurance
preinsure
preinsured
preinsuring
preknit
preknow
preknowing
preknowledge
preknown
prela
prelabel
prelabial
prelabor
prelabrum
prelachrymal
prelacies
prelacrimal
prelacteal
prelacy
prelanguage
prelapsarian
prelaryngoscopic
prelate
prelationship
prelateness
prelatic
prelatical
prelationally
prelaticalness
prelation
prelatisch
prelatism
prelatist
prelatize
prelatriy
prelature
prelaty
prelaunch
prelaunching
prelaw
prelawful
prelawfully
prelawfulness
prelease
preleased
preleasing
prelect
prelected
prelecting
prelection
prelector
prelectorship
prelectress
prelects
prelecture
prelected
prelecting
prelegacy
prelegal
prelegate
prelegatee
prelegend
prelegendary
prelegislative
prelexical
preliability
preliable
prelibation
preliberal
preliberality
preliberally
preliberate
preliberated
preliberating
preliberation
prelicense
prelicensed
prelicensing
prelim
preliminaries
preliminarily
preliminary
prelimit
prelimitate
prelimitated
prelimitating
prelimitation
prelimited
prelimiting
prelimits
prelims
prelingual
prelingually
prelinguistic
prelinpinpin
preliquidate
preliquidated
preliquidating
preliquidation
preliteral
preliterally
preliteralness
preliterary
preliterate
preliterature
prelithic
prelitigation
preloaded
preloan
prelocalization
prelocate
prelocated
prelocating
prelogic
prelogical
preloral
preloreal
preloss
prelude
prelude's
preluded
preluder
preluders
preludes
preludial
preluding
preludio
preludious
preludiously
preludium
preludize
prelumbar
prelusion
prelusive
prelusively
prelusorily
prelusory
preluxurious
preluxuriously
preluxuriousness
prem
premachine
premade
premadness
premaintain
premaintenance
premake
premaker
premaking
premalignant
preman
premandibular
premanhood
premaniacal
premanifest
premanifestation
premankind
premanufacture
premanufactured
premanufacturer
premanufacturing
premarital
premarketing
premarriage
premarried
premarry
premarrying
premastery
prematch
premate
premated
prematerial
prematernity
premating
prematrimonial
prematrimonially
prematuration
premature
prematurely
prematureness
prematurities
prematurity
premaxilla
premaxillae
premaxillary
premeasure
premeasured
premeasurement
premeasuring
premechanical
premed
premedia
premie
premier
premier's
premieral
premiere
premiered
premieres
premieress
premiering
premierjus
premiers
premiership
premierships
premies
premilitary
premillenarian
premillenarianism
premillenial
premillennial
premillennialise
premillennialised
premillennialising
premillennialism
premillennialist
premillennialize
premillennialized
premillennializing
premillennially
premillennian
preminister
preministries
preministry
premio
premious
premisal
premise
premise's
premised
premises
premising
premisory
premisrepresent
premisrepresentation
premiss
premissable
premisses
premit
premium
premium's
premiums
premix
premixed
premixer
premixes
premixing
premixture
premodel
premodeled
premodeling
premodern
premodification
premodified
premodify
premodifying
premolar
premolars
premold
premolder
premolding
premonarchal
premonarchical
premonarchical
premonetary
premonetary
premonish
premonishment
premonition
premonitions
premonitive
premonitor
premonitorily
premonitory
premonopolies
premonopolize
premonopolized
premonopolizing
premonopoly
premonstrant
premonstratensian
premonstratensis
premonstration
premonumental
premoral
premorality
premorally
premorbid
premorbidly
premorbidness
premorning
premorse
premortal
premortally
premortification
premortified
premortify
premortifying
premortuary
premorula
premosaic
premotion
premourn
premove
premovement
premover
premuddle
premuddled
premuddling
premultiplication
premultiplier
premultiply
premultiplying
premundane
premune
premunicipal
premunition
premunition
premunitor
premusical
premusically
premuster
premutative
premutinied
premutinies
premutiny
premutinying
premycotic
premyelocyte
premythical
prerequisite
prerequisite
prerequisite
prerequisite
prenasal
prenatal
prenatalist
prenatally
prenational
prenative
prenatural
prenaval
prender
prendre
prenebular
prenecessitate
prenecessitated
prenecessitating
preneglect
preneglectful
prenegligence
prenegligent
prenegotiate
prenegotiated
prenegotiating
prenegotiation
preneolithic
prenephritic
preneural
preneuralgic
prenight
prenoble
prenodal
prenomen
prenomens
prenomina
prenominal
prenominate
prenominated
prenominating
prenomination
prenominical
prenotation
prenote
prenoted
prenotice
prenotification
prenotified
prenotify
prenotifying
prenoting
prenotion
prentice
prenticed
prentices
prenticeship
prenticing
prenumber
prenumbering
prenuncial
prenunciate
prenuptial
prenurseries
prenursery
prenzie
preobedience
preobedient
preobediently
preobject
preobjection
preobjective
preobligate
preobligated
preobligating
preobligation
preoblige
preobliged
preobliging
preoblongata
preobservance
preobservation
preobservational
preobserve
preobserved
preobserving
preobstruct
preobstruction
preobtain
preobtainable
preobtrude
preobtruded
preobtruding
preobtrusion
preobtrusion
preobtrusive
preobviate
preobviated
preobviating
preobvious
preobviously
preobviousness
preocclusion
preocculation
preoccupancy
preoccupant
preoccupate
preoccupation
preoccupations
preoccupative
preoccupied
preoccupiedly
preoccupiedness
preoccupier
preoccupies
preoccupy
preoccupy
preoccur
preoccurred
preoccurrence
preoccurring
preoceanic
preocular
preodorous
preoesophageal
preoffend
preoffense
preoffensive
preoffensively
preoffensiveness
preoffer
preoffering
preofficial
preofficially
preominate
preomission
preomit
preomitted
preomitting
preopen
preopening
preoperate
preoperated
preoperating
preoperation
preoperative
preoperatively
preoperator
preopercle
preopercular
preoperculum
preopinion
preopinionated
preoppose
preopposed
preopposing
preopposition
preoppress
preoppression
preoppressor
preoptic
preoptimistic
preoption
preoral
preorally
preorbital
preordain
preordained
preordaining
preordainment
preordains
preorder
preordered
preordering
preordinance
preordination
preorganic
preorganically
preorganization
preorganize
preorganized
preorganizing
preoriginal
preoriginally
preornamental
preotic
preoutfit
preoutfitted
preoutfitting
preoutline
preoutlined
preoutlining
preoverthrew
preoverthrow
preoverthrowing
preoverthrown
preoviposition
preovulatory
prep
prepack
prepackage
prepackaged
prepackages
prepackaging
prepacked
prepacking
prepacks
prepaging
prepaid
prepainful
prepaleolithic
prepalatal
prepalatine
prepaleolithic
prepanic
preparable
preparateur
preparation
preparation's
preparationist
preparations
preparative
preparative's
preparatively
preparatives
preparator
preparatorily
preparatory
pardon
prepare
prepared
preparedly
preparedness
preparationment
preparental
preparer
preparers
prepares
preparietal
preparing
preparingly
preparliamentary
preparoccipital
preparoxysmal
prepartake
prepartaken
prepartaking
preparticipation
prepartisan
prepartition
prepartnership
prepartook
prepatellar
prepatent
prepatrician
prepatriotic
prepave
prepaved
prepavement
prepaving
prepay
prepayable
prepaying
prepayment
prepayments
prepays
prepd
prepectorl
prepeduncle
prepend
preended
prepending
prepenetrate
prepenetrated
prepenetrating
prepenetration
prepenial
prepense
prepensed
prepensely
prepeople
preperceive
preperception
preperceptive
preperfect
preperitoneal
prepersuade
prepersuaded
prepersuading
prepersuasion
prepersuasive
preperusal
preperuse
preperused
preperusing
prepetition
prepg
prephragma
prephthisical
prepigmental
prepineal
prepink
prepious
prepiously
prepituitary
preplace
preplaced
preplacement
preplacental
preplaces
preplacing
preplan
preplanned
preplanning
preplans
preplant
preplanting
prepledge
prepledged
prepledging
preplot
preplotted
preplotting
prepn
prepoetic
prepoetical
prepoison
prepolice
prepolish
prepolitic
prepolitical
prepolitically
prepollence
prepollency
prepollent
prepollex
prepollices
preponder
preponderance
preponderancy
prepotently
prepped
preppie
preppies
prepping
preppy
prepractical
prepractice
prepracticed
prepracticing
prepractise
prepractised
prepractising
preprandial
prepreference
prepreparation
preprice
prepriced
prepricing
preprimary
preprimer
preprimitive
preprint
preprinted
preprinting
preprints
preprocess
preprocessed
preprocessing
preprocessor
preprocessors
preproduction
preprofess
preprofessional
preprogram
preprogrammed
preprohibition
prepromise
prepromised
prepromising
prepromote
prepromoted
prepromoting
prepromotion
prepronounce
prepronounced
prepronouncement
prepronouncing
preprophetic
preprostatic
preprove
preproved
preprovide
preprovided
preproviding
preprovision
preprovocation
preprovoke
preprovoked
preprovoking
preprudent
preprudently
preps
prepsychological
prepsychology
prepsychotic
prepuberal
prepuberally
prepubertal
prepubertally
prepuberty
prepubescence
prepubescent
prepubic
prepubis
prepublication
prepublish
prepuce
prepuces
prepuerlo
prepunch
prepunched
prepunches
prepunching
prepunctual
prepunish
prepunishment
prepupa
prepupal
prepurchase
prepurchased
prepurchaser
prepurchasing
prepurpose
prepurposed
prepurposing
prepurposive
preputial
preputium
prepyloric
prepyramidal
prequalification
prequalified
prequalify
prequalifying
prequarantine
prequarantined
prequarantining
prequel
prequestion
prequotation
prequote
prequoted
prequoting
preracing
preradio
prerailroad
prerailroadite
prerailway
preramus
prerational
prereadiness
preready
prerealization
prerealize
prerealized
prerealizing
prerebellion
prereceipt
prereceive
prereceived
prereceiver
prereceiving
prerecital
prerecite
prerecited
prereciting
prereckon
prereckoning
prerecognition
prerecognize
prerecognized
prerecognizing
prerecommend
prerecommendation
prereconcile
prereconciled
prereconcilement
prereconciliation
prereconciling
prerecord
prerecorded
prerecording
prerecords
prerectal
preredeem
preredemption
prereduction
prerefer
prereference
prereferred
prereferring
prerefine
prerefined
prerefinement
prerefining
prereform
prereformation
prereformatory
prerefusal
prerefuse
prerefused
prerefusing
preregal
preregister
preregistered
preregistering
preregisters
preregistration
preregnant
preregulate
preregulated
preregulating
preregulation
prereject
prerejection
prerejoice
prerejoiced
prerejoicing
prerelate
prerelated
prerelating
prerelation
prerelationship
prerelease
prereligious
prereluctance
prereluctation
preremit
preremittance
preremitted
preremitting
preremorse
preremote
preremoval
preremove
preremoved
preremoving
preremunerate
preremunerated
preremunerating
preremuneration
prerenal
prerent
prerental
prereport
prerepresent
prerepresentation
prereproductive
prereption
prerepublican
prerequest
prerequire
prerequired
prerequirement
prerequiring
prerequisite
prerequisite's
prerequisites
prerequisites
prerequisition
preresemblance
preresemble
preresembed
preresembling
preresolution
preresolve
preresolved
preresolving
preresort
prerespectability
prerespectable
prerespiration
prerespire
preresponsibility
preresponsible
prerestoration
prerestrain
prerestraint
prerestrict
prerestiction
prereturn
prereveal
prerelation
prerevenge
prerevenged
prerevenging
prereversal
prereverse
prereversed
prereversing
prereview
prerevise
prerevised
prerevising
prerevision
prerevival
prerevolutionary
prerheumatic
prerich
prerighteous
prerighteously
prerighteousness
prerogatival
prerogative
prerogative's
prerogatived
prerogatively
prerogatives
prerogativity
prerolandic
preromantic
preromanticism
preroute
prerouted
preroutine
prerouting
preroyal
preroyally
preroyalty
prerupt
preruption
pres
presa
presacral
presacrifice
presacrificed
presacrificial
presacrificing
presage
presaged
presageful
presagefully
presagefulness
presagement
presager
presagers
presages
presagient
presaging
presagingly
presaid
presalvation
presanctification
presanctified
presanctify
presanctifying
presanguine
presanitary
presartorial
presatisfaction
presatisfactory
presatisfied
presatisfy
presatisfying
presavage
presavagery
presaw
presay
presaying
presbyacousia
presbyacusia
presbycousis
presbycusis
presbyope
presbyophrenia
presbyophrenic
presbyopia
presbyopic
presbyopy
presbyte
presbyter
presbyteral
presbyterate
presbytered
presbytere
presbyteress
presbyteria
presbyterian
presbyterianize
presbyterianism
presbyterianized
presbyterially
presbyterianian
presbyterianianism
presbyterianize
presbyterians
presbyteries
presbyterium
presbyters
presbytership
presbytery
presbytia
presbytic
presbytism
prescan
prescapula
prescapular
prescapularis
prescholastic
preschool
preschooler
preschoolers
prescience
prescient
prescientific
presciently
prescind
prescinded
prescindent
prescinding
prescinds
prescission
prescore
prescored
prescores
prescoring
prescout
presence
presence's
presenced
presenceless
presences
presenile
presenility
presensation
presension
present
presentability
presentable
presentableness
presentably
presental
presentation
presentation's
presentational
presentationalism
presentationes
presentationism
presentationist
presentations
presentative
presentatively
presented
presentee
presentence
presentenced
presentencing
presenter
presenters
presential
presentiality
presentially
presentialness
presentiate
presentient
presentiment
presentimental
presentiments
presenting
presentist
presentive
presentively
presentiveness
presently
presentment
preship
preshipment
preshipped
preshipping
preshortage
preshorten
preshow
preshowed
preshowing
preshown
preshows
preshrink
preshrinkage
preshrinking
preshrunk
preside
presided
presidence
presidencia
presidencias
presidency
president
president's
presidente
presidentes
presidentess
presidential
presidentially
presidentiary
presidents
presidcship
presider
presiders
presides
presidia
presidial
presidially
presidiary
presiding
presidio
presidios
presidium
presidiums
presidy
presift
presifted
presifiting
presifts
presign
presignal
presignalled
presignificance
presignificancy
presignificant
presignification
presignificative
presignificator
presignified
presignify
presignifying
presimian
preslavery
presley
presmooth
presoak
presoaked
presoaking
presoaks
presocial
presocialism
presocialist
presolar
presold
presolicit
presolicitation
presolution
presolvated
presolve
presolved
presolving
presophomore
presound
prespecialist
prespecialize
prespecialized
prespecializing
prespecific
prespecifically
prespecification
prespecified
prespecify
prespecifying
prespective
prespeculate
prespeculated
prespeculating
prespeculation
presphenoid
presphenoidal
presphygmic
prespinal
prespinous
prespiracular
prespendor
presplenomegalic
prespoil
prespontaneity
prespontaneous
prespontaneously
prespread
prespread
presprinkle
presprinkled
presprinkling
prespur
prespurred
prespurring
press
pressable
pressage
pressboard
pressdom
pressed
pressel
presser
pressers
presses
pressfat
pressful
pressgang
pressible
pressie
pressing
pressingly
pressingness
pressings
pression
pressiroster
pressirostral
pressive
pressly
pressman
pressmanship
pressmark
pressmaster
pressmen
pressor
pressoreceptor
pressors
pressosensitive
presspack
pressroom
pressrooms
pressrun
pressruns
pressurage
pressural
pressure
pressed
pressureless
pressureproof
pressures
pressuring
pressurization
pressurize
pressurized
pressurizer
pressurizers
pressurizes
pressurizing
pressurization
presswoman
presswomen
presswork
pressworker
prest
prestabilism
prestability
prestable
prestamp
prestamped
prestamping
prestamps
prestandard
prestandardization
prestandardize
prestandardized
prestandardizing
prestant
prestate
prestated
prestating
prestation
prestatistical
presteam
presteel
prester
preternal
presternum
presters
pretezza
prestidigital
prestidigate
prestidigitation
prestidigitator
prestidigitatorial
prestidigitators
prestidigitory
prestige
prestigeful
prestiges
prestigate
prestigation
prestigator
prestigious
prestigiously
prestigiousness
prestimulate
prestimulated
prestimulating
prestimulation
prestimuli
prestimulus
prestissimo
prestly
presto
prestock
prestomial
prestomium
prestorage
prestore
prestored
prestoring
prestos
prestraighten
prestrain
prestrengthen
prestress
prestressed
prestretch
prestricken
presuggestion
presuggestive
presuitability
presuitable
presuitably
presul
presumable
presumableness
presumably
presume
presumed
presumedly
presumer
presumers
presumes
presuming
presumingly
presumption
presumption's
presumptions
presumptious
presumptiously
presumptive
presumptively
presumptiveness
presumptuous
presumptuously
presumptuousness
presuperficial
presuperficiality
presuperficially
presuperfluity
presuperfluous
presuperfluously
presuperintendence
presuperintendency
presupervise
presupervised
presupervising
presupervision
presupervisor
presupplemental
presupplementary
presupplicate
presupplicated
presupplicating
presupplication
presupplied
presupply
presupplying
presupport
presupposal
presuppose
presupposed
presupposes
presupposing
presupposition
presuppositionless
presuppositions
presuppress
presuppression
presuppurative
presupremacy
presupreme
presurgery
presurgical
presurmise
presurmised
presurmising
presurprisal
presurprise
presurrender
presurround
presurvey
presusceptibility
presusceptible
presuspect
presuspend
presuspension
presuspicion
presuspicious
presuspiciously
presuspiciousness
presustain
presutural
preswallow
presylvian
presympathize
presympathized
presympathizing
presympathy
presymphonic
presymphony
presymphysial
presymptom
presymptomatic
presynapsis
presynaptic
presynaptically
presynsacral
presystematic
presystematically
presystole
presystolic
pret
preta
pretabulate
pretabulated
pretabulating
pretabulation
pretan
pretangible
pretangibly
pretannage
pretanned
pretanning
pretardily
pretardiness
pretardy
pretariff
pretarsi
pretarsus
pretarsusi
pretaste
pretasted
pretaster
pretastes
pretasting
pretaught
pretax
pretaxation
preteach
preteaching
pretechnical
pretechnically
preteen
preteens
pretelegraph
pretelegraphic
pretelephone
pretelephonic
pretell
pretelling
pretemperate
pretergression
preterhuman
preterience
preterient
preterimperfect
preterintentional
preterist
preterit
preterite
preteriteness
preterition
preteritive
preteritiveness
preterits
preterlabent
preterlegal
preterlethal
preterminal
pretermission
pretermit
pretermitted
pretermitter
pretermitting
pretermitting
preternatural
preternatural
preternaturalism
preternaturalist
preternaturality
preternaturally
preternaturality
preternaturalness
preternormal
preternotorious
preternuptial
preterperfect
preterpluperfect
preterpolitical
preterrational
preterregular
preterrestrial
preterterritorial
preterroyal
preterscriptural
pretersensual
pretersensational
pretersensory
pretersensory
preterseasonable
preterseasonal
pretereverywhere
preterverse
pretestify
pretestifying
pretestimonies
pretestimony
pretesting
pretests
pretexy
pretexy's
pretexya
pretexyae
pretexyed
pretexying
pretexys
pretexyuous
pretheological
prethoracic
prethoughtful
prethoughtfully
prethoughtfulness
prethreaten
prethrill
prethrust
prethyroid
pretibial
pretil
pretimeliness
pretimely
pretincture
pretire
pretired
pretiring
pretium
pretoken
pretold
pretone
pretonic
pretor
pretoria
pretorial
pretorian
pretorium
pretors
pretorship
pretorsional
pretorture
pretortured
pretorturing
pretournament
pretrace
pretraced
pretracheal
pretracing
pretraditional
pretrain
pretraining
pretransact
pretransaction
pretranscribe
pretranscribed
pretranscribing
pretranscription
pretranslate
pretranslated
pretranslating
pretranslation
pretransmission
pretransmit
pretransmitted
pretransmitting
pretransport
pretransportation
pretravel
pretreat
pretreated
pretreating
pretreatment
pretreats
pretreaty
pretreatmatic
pretrial
pretribal
pretired
pretrochal
pretry
pretrying
pretied
prettier
pretties
prettiest
prettification
prettified
prettifier
prettifiers
prettifies
prettify
prettifying
prettikin
prettily
prettiness
pretty
prettyface
prettifying
prettyish
prettyism
pretubercular
pretuberculous
pretympanic
pretypoid
pretypified
pretypify
pretypifying
pretypographical
pretyrannical
pretyranny
pretzel
pretzels
preultimate
preultimately
preumbonal
preunderstand
preunderstanding
preunderstood
preundertake
preundertaken
preundertaking
preundertook
preunion
preunions
preunite
preunited
preunites
preuniting
preutilizable
preutilization
preutilize
preutilized
preutilizing
preux
prev
prevacate
prevacated
prevacating
prevacation
prevaccinate
pricelessly
pricelessness
pricemaker
pricer
prices
pricey
prich
pricier
priciest
pricing
prick
prickado
prickant
pricked
pricker
prickers
pricket
prickets
prickfoot
prickier
prickiest
pricking
prickingly
prickish
prickle
prickleback
prickled
pricklefish
prickles
prickless
pricklier
prickliest
prickliness
prickling
pricklingly
pricklouse
prickly
pricklyback
prickmadam
prickmedainty
prickproof
pricks
prickseam
prickshot
prickspur
pricktimber
prickwood
pricky
pricy
pride
prided
prideful
pridefully
pridefulness
prideless
pridelessly
prideling
prides
prideweed
pridian
priding
pridingly
pridy
prie
ried
riedieu
riedieus
riedieux
prier
priers
pries
priest
priestal
priestcap
priestcraft
priestdom
priested
priesten
priestery
priestess
priestesses
priestfish
priestfishes
priesthood
priestianity
priesting
priestish
priestism
priestless
priestlet
priestlier
priestliest
priestlike
priestliness
priestling
primate
primates
primateship
primatial
primatic
primatical
primatological
primatologist
primatology
primavera
primaveral
prime
primed
primegilt
primely
primeness
primer
primero
primerole
primeros
primers
primes
primeur
primeval
primevalism
primevally
primevarous
primeverin
primeverose
primevity
primevous
primevrin
primi
primices
primigene
primigenial
primigenian
primigenous
primigenous
primigravida
prime
primines
priming
primings
primipara
primiparae
primiparas
primiparity
primiparous
primipilar
primitiae
primitial
primitias
primitive
primitively
primitiveness
primitives
primitivism
primitivist
primitivistic
primitivity
primity
primly
primmed
primer
primnest
primming
primness
primnesses
primo
primogenetrix
primogenial
primogenital
primogenitary
primogenitive
primogenitor
primogenitors
primogeniture
primogenitureship
primogenous
primomo
primoprime
primoprimitive
primordiality
primordia
primordial
primordialism
primordiality
primordially
primordiate
primordium
primos
primosity
primost
primp
primped
primping
primprint
primps
primrose
primrosed
primroses
primrosetide
primrosetime
primrosy
prims
primsie
primula
primulaceous
primulas
primulaverin
primulaveroside
primulic
primuline
primus
primuses
primwort
primy
prin
prince
princeage
princecraft
princedom
princedoms
princehood
princekin
princeless
princelet
princelier
princeliest
princelike
princeliness
princeling
princelings
princely
princeps
princes
princeship
princess
princess's
princessdom
princesse
princesses
princesslike
prioritized
priority
priority's
priorly
priors
priorship
priory
prisable
prisage
prisal
priscan
priscian
priscillianist
prise
prised
prisere
priseres
prises
prisiadka
prising
prism
prism's
prismal
prismatic
prismatical
prismatically
prismatization
prismatize
prismatoid
prismatoidal
prismed
prismoid
prismoidal
prismoids
prisms
prismy
prisometer
prison
prisonable
prisonbreak
prisondom
prisoned
prisoner
prisoner's
prisoners
prisonful
prisonhouse
prisoning
privative
privatively
privativeness
privatization
privatize
privatized
privatizing
privatum
privet
privets
privier
privies
priviest
privilede
privilege
privileged
privileger
privileges
privileging
privily
priviness
privities
privity
privy
privy's
prix
prizable
prize
prizeable
prized
prizefight
prizefighter
prizefighters
prizefighting
prizefights
prizeholder
prizeman
prizemen
prizer
prizers
prizery
prizes
prizetaker
prizewinner
prizewinners
prizewinning
prizeworthy
prizing
proamendment
proamnion
proamniotic
proamusement
proanaphora
proanaphoral
proanarchic
proanarchism
proanarchy
proangiosperm
proangiospermic
proangiospermous
proanimistic
proannexation
proannexationist
proantarctic
proanthropos
proapostolic
proappointment
proapportionment
proappreciation
proappropriation
proapproval
proaQUatic
proarbitration
proarbitrationist
proarchery
proarctic
proaristocracy
proaristocratic
proarmy
proart
proas
proassessment
proassociation
proatheism
proatheist
proatheistic
proathletic
proatlas
proattack
proattendance
proauction
proaudience
proaulion
proauthor
proauthority
proautomation
proautomobile
proavian
proaviation
proaward
prob
probabiliorism
probabiliorist
probabilism
probabilist
probabilistic
probabilistically
probabilities
probability
probabilize
probabl
probable
probableness
probably
probachelor
probal
proballoon
proband
probandi
probands
probang
probangs
probanishment
probankruptcy
probant
probargaining
prob baseball
probasketball
probata
probate
probated
probates
probathing
probatical
probating
probation
probational
probationally
probationary
probationer
probationerhood
probationers
probationership
probationism
probationist
probations
probationship
probative
probatively
probator
probatory
probattle
probattleship
probatum
probe
probeable
probed
probeer
probenecid
prober
probers
probes
probetting
probing
probings
probiology
probit
probities
probits
probatinum
probity
problem
problem's
problematic
problematical
problematically
problematicness
problematist
problematize
problemdom
problemist
problemistic
problemize
problems
problemwise
probblockade
proboning
probonus
proborrowing
proboscidual
proboscidate
proboscidea
proboscidean
proboscideous
proboscides
proboscidial
proboscidian
proboscidiferous
proboscidiform
probosciform
probosciformed
proboscis
proboscises
proboscislike
probouleutic
proboulevard
probowling
probboxing
proboycott
probrick
probridge
probroadcasting
probudget
probudgeting
probusiness
probuying
proc
procaccia
procaccio
procacious
procaciously
procacity
procaine
procaines
procambial
procambium
procanal
procancellation
procapital
procapitalism
procapitalist
procapitalists
procarbazine
procarnival
procarp
procarpium
procarps
procarrier
procaryote
procaryotic
procatalectic
procatalepsis
procataretic
procataretis
procathedral
procathedrals
prochal
procedendo
procedes
procedural
procedurally
procedurals
procedure
procedure's
procedured
procedures
proceduring
proceed
proceeded
proceeder
proceeders
proceeding
proceedings
proceeds
proceleusmatic
procellarian
procellarid
procellariine
procellas
procello
procellose
procellous
procensorship
procensure
procentralization
procephalic
procercoid
procere
procereal
procerebral
procerebrum
procereemonial
procereemonialism
procereemonialist
proceres
procerite
proceritic
procerity
proerus
process
process's
processability
processable
processal
processed
processer
processes
processibility
processable
processing
procession
processional
processionalist
processionally
processionals
processionary
processioner
processioning
processionist
processionize
processions
processionwise
processive
processor
processor's
processors
processual
processus
prochain
procharity
prochein
prochemical
prochlorite
prochondral
prochooi
prochoos
prochordal
prochorion
prochorionic
prochromosome
prochronic
prochronism
prochronistic
prochronize
prochurch
prochurchian
procidence
procident
procidentia
procinct
procity
procivic
procivilian
procivism
proclaim
proclaimable
proclaimant
proclaimed
proclaimer
proclaimers
proclaiming
proclaimingly
proclaims
proclamation
proclamation's
proclamations
proclamator
proclamatory
proclassic
proclassical
proclei
proclergy
proclerical
proclericalism
proclimax
procline
proclisis
proclitic
proclive
proclivities
proclivitous
proclivity
proclivity's
proclivous
proclivousness
procne
procnemial
procoelia
procoelian
procoelous
procoercion
procoercive
procollectivism
proconsulship
proconsulships
proconsultation
procontinuation
proconvention
proconventional
proconviction
procoracoid
procoracoidal
procorporation
procosmetic
procosmopolitan
procotols
procotton
procourt
procrastinate
procrastinated
procrastinates
procrastinating
procrastinatingly
procrastination
procrastinative
procrastinatively
procrastinativeness
procrastinator
procrastinators
procrastinatory
procreant
procreate
procreated
procreates
procreating
procreation
procreative
procreativeness
procreativity
procreator
procreators
procreatory
procreatrix
procreatrix
procremation
procritic
procritique
procrustean
procrustes
procrypsis
procryptic
procryptically
proctal
proctalgia
proctalg
proctatresia
proctatresy
proctectasia
proctectomy
procteurynter
proctitis
proctocele
proctoclysis
proctocolitis
proctocystoscopy
proctocystoplasty
proctocystotomy
proctodae
proctodaeal
proctodaeae
proctodaeum
proctodaeums
proctodea
proctodeal
proctodeuea
proctodeum
proctodeums
proctodynia
proctoelytroplastic
proctologic
proctological
proctologies
proctologist
proctologists
proctology
proctoparalysis
proctoplastic
proctoplasty
proctoplegia
proctoplypus
proctoptoma
proctoptosis
proctor
proctorage
proctoral
proctored
proctorial
proctorially
proctorical
proctoring
proctorization
proctorize
proctorling
proctorrhagia
proctorrhaphy
proctorrhrea
proctors
proctorship
proctoscope
proctoscopes
proctoscopic
proctoscopically
proctoscopies
proctoscopy
proctosigmoidectomy
proctosigmoiditis
proctospasm
proctostenosis
proctotomy
proctotome
proctotomy
proctotresia
proctotryptid
proctotryptoid
proctovalvotomy
proculcate
proculcation
procumbent
procuration
procure
procured
procurement
procurement's
procurements
procurer
procurers
procures
procuress
procuresses
procureur
procuring
procurent
procursive
procuration
procured
procyon
procyoniform
procyonine
proczarist
prod
prodatary
prodd
prodded
prodder
prodders
prodding
proddle
prodecoration
prodefault
prodefiance
prodelay
prodelision
prodemocracy
prodemocrat
prodemocratic
prodenominational
prodentine
prodeportation
prodespotic
prodespotism
prodialogue
prodigal
prodigalish
prodigalism
prodigality
prodigalize
prodigally
prodigals
prodigies
prodigiosity
prodigious
prodigiously
prodigiousness
prodigus
prodigy
prodissarmament
prodisplay
prodissococonch
prodissolution
prodistribution
prodition
proditor
proditorious
proditoriously
prodvision
prodivorce
prodomoi
prodomos
prodproof
prodramatic
prodroma
prodromal
prodromata
prodromatic
prodromatically
prodrome
prodromes
prodromic
prodromous
prodromus
prods
producal
produce
produceable
produceableness
produced
producelement
producent
producer
producers
producership
produces
producing
producing
producing
producing
proepimeron
proepiscopist
proepisternum
proequality
proestrus
proethical
proethnic
proethnically
proetid
proette
proettes
proevolution
proevolutionary
proevolutionist
proexamination
proexecutive
proexemption
proexercise
proexperiment
proexperimentation
proexpert
proexporting
proexposure
proextension
proextravagance
prof
proface
profaculty
profanable
profanableness
profanably
profanation
profanations
profanatory
profanchise
profane
profaned
profanely
profanement
profaneness
profaner
profaners
profanes
profaning
profanism
profanities
profanity
profanize
profamer
profascism
profascist
profascists
profection
profectional
profectitious
profederation
profeminism
profeminist
profeminists
profer
proferment
profert
profess
professable
professed
professedly
professes
professing
profession
profession's
professional
professionalisation
professionalise
professionalised
professionalising
professionalism
professionalist
professionalists
professionality
professionalization
professionalize
professionalized
professionalizing
professionally
professionals
professionist
professionize
professionless
professions
professive
professively
professor
professor's
professorate
professordom
professress
professorhood
professorial
professorialism
professorially
professoriat
professoriate
professorlike
professorling
professors
professorship
professorships
professorly
proffer
proffered
profferer
profferers
proffering
proffers
profichi
proficiencie
proficienciencies
proficiency
proficient
proficiently
proficientness
profiction
proficuous
proficuously
profile
profiled
profiler
profilers
profiles
profiling
profilist
profilograph
profit
profitability
profitable
profitableness
profitably
profited
profiteer
profiteer's
profiteered
profiteering
profiteers
profiter
profiterole
profitters
profiting
profitless
profitlessly
profitlessness
profitmonger
profitmongering
profitproof
profits
profitsharing
profitted
profitter
profitter's
profitters
proflated
proflavine
profligacies
profligacy
profligate
profligated
profligately
profligateness
profligates
profligation
proflogger
profluence
profluent
profluvious
profluvium
profone
proforeign
proforma
profound
profounder
profoundest
profoundly
profoundness
profounds
profraternity
profre
profs
profugate
profulgent
profunda
profundae
profundities
profundity
prognathism
prognathous
prognathy
progne
prognose
prognosed
prognoses
prognosing
prognosis
prognostic
prognosticable
prognostical
prognostically
prognosticate
prognosticated
prognosticates
prognosticating
prognostication
prognostications
prognosticative
prognosticator
prognosticators
prognosticatory
prognostics
progoneate
progospel
progovernment
prograde
program
program's
programable
programatic
programed
programer
programers
programing
programist
programistic
programma
programmability
programmable
programmar
programmata
programmatic
programmatically
programmatist
programme
programmed
programmer
programmer's
programmers
programmes
programming
programmist
programming
programs
progravid
progrede
progredieny
progredient
progress
progressed
progresser
progresses
progressing
progression
progression's
progressional
progressionally
progressionary
progressionism
progressionist
progressions
progressivism
progressist
progressive
progressively
progressiveness
progressives
progressivism
progressivist
progressivistic
progressivity
progressor
progs
proguardian
progymnosperm
progymnospermic
progymnospermous
progypsy
prohaste
proheim
prohibit
prohibita
prohibited
prohibiter
promilitarism
promilitarist
promilitary
prominence
prominences
prominency
prominent
prominently
prominimum
proministry
prominority
promisable
promiscuities
promiscuity
promiscuous
promiscuously
promiscuousness
promise
promised
promisee
promisees
promiseful
promiseless
promisemonger
promiseproof
promiser
promisers
promises
promising
promisingly
promisingness
promisor
promisors
promiss
promissary
promissive
promissor
promissorily
promissory
promissvry
promit
promitosis
promittor
promnesia
promo
promodermation
promodermationist
promoderation
promodernist
promodernistic
promonarchic
promonarchical
promonarchist
promonarchists
promonarchy
promonopolist
promonopolistic
promonopoly
promontoried
promontories
promontory
promoral
promorph
promorphological
promorphologically
promorphologist
promorphology
promotability
promotable
promote
promoted
promotement
promoter
promoters
promotes
promoting
promotion
promotional
promotions
promotive
promotiveness
promotor
promotorial
promotress
promotrix
promovable
promoval
promove
promovent
prompt
promptbook
promptbooks
prompted
prompter
prompters
pronatores
pronators
pronaval
pronavy
prone
pronegotiation
pronegro
pronegroism
pronely
proneness
pronephric
pronephridiostome
pronephron
pronephros
proneur
prong
prongbuck
pronged
pronger
pronghorn
pronghorns
pronging
pronglike
prongs
prongy
pronic
pronity
pronograde
pronomial
pronominal
pronominialize
pronominally
pronomination
prononce
pronota
pronotal
pronotum
pronoun
pronoun's
pronounal
pronounce
pronounceable
pronounceableness
pronounced
pronouncedly
pronouncedness
pronouncement
pronouncement's
proofreads
proofroom
proofs
proofy
prop
propacifism
propacifist
propadiene
propaedeutic
propaedeutical
propaedeutics
propagability
propagable
propagableness
propagand
propaganda
propagandic
propagandise
propagandised
propagandising
propagandism
propagandist
propagandistic
propagandistically
propagandists
propagandize
propagandized
propagandizes
propagandizing
propagate
propagated
propagates
propagating
propagation
propagational
propagations
propagative
propagator
propagators
propagatory
propagatress
propagines
propago
propagula
propagule
propaguila
propagulum
propale
proalinal
propane
propanedicarboxylic
propanedioic
propanediol
propanes
propanol
propanone
propapist
proparasceve
proparent
propargyl
propargylic
proparian
proparliamental
proparoxytone
proparoxytonic
proparticipation
propassion
propatagial
propatagian
propatagium
propatriatic
propatriotism
propatronage
propayment
propel
propellable
propellant
propellants
propelled
propellent
propeller
propeller's
propellers
propelling
propellor
propelment
props
propend
propended
propendent
propending
propends
propene
propenes
propenoic
propenol
propenols
propense
propensely
propenseness
propension
propensities
propensitude
propensity
propenyl
propenylic
proper
properdin
properer
properest
properispome
properisomenon
properitoneal
properly
properness
propers
propertied
properties
property
propertyless
propertyship
propessimism
propessimist
prophage
prophages
prophase
prophases
prophasic
prophasis
prophecies
prophecy
prophecy's
prophecymonger
propesiable
prophesied
prophesier
prophesiers
prophesies
prophesy
prophesying
prophet
prophet's
prophetess
prophetesses
prophethood
prophetic
prophetical
propheticality
prophetically
propheticalness
propheticism
prophetically
prophetism
prophetize
prophetless
prophetlike
prophery
prophets
prophetship
prophilothenal
prophloem
prophoric
prophototropic
prophototropism
prophylactic
prophylactical
prophylactically
prophylactics
prophylactodontia
prophylactodontist
prophylaxes
prophylaxis
prophylaxy
prophyll
prophyllum
propination
propine
propined
propines
propining
propinoic
propinquant
propinque
propinquitatis
propinquity
propinquous
propio
propionaldehyde
propiolate
propiolic
propionaldehyde
propionate
propione
propionibacteria
propionibacterium
propionic
propionitril
propionitrile
propionyl
propitiable
propitial
propitiate
propitiated
propitiates
propitiating
propitiatingly
propitiation
propitiative
propitiator
propitiatorily
propitiatory
propitious
propitiously
propitiousness
propjet
propjets
proplasm
proplasma
proplastic
proplastid
proless
propleural
propleuron
proplex
proplexus
propman
propmen
propmistress
propmistresses
propodeal
propodeon
propodeum
propodial
propodial
propodite
propoditic
propodium
propoganda
propolis
propolises
propolitical
cathiletics
catholization
propolize
catholama
propomata
cathopone
proponed
cathoponement
proponent
proponent's
proponents
proponer
propones
proponing
propons
propontis
propooling
propopery
proport
proportion
proportionability
proportionable
proportionableness
proportionably
proportional
proportionalism
proportionality
proportionally
proportionate
proportionated
proportionately
proportionateness
proportionating
proportioned
proportioner
proportioning
proportionless
proportionment
proportions
propos
proposable
proposal
proposal's
proposals
proposant
propose
proposed
proposedly
proposer
proposers
proposes
proposing
propositi
propositio
proposition
propositional
propositionally
propositioned
propositioning
propositionize
propositions
propositus
propositusti
proposterously
propound
propounded
propounder
propounders
propounding
propoundment
propounds
proproxy
propoxyphene
proppage
propped
proper
propping
propr
propraetor
propraetorial
propraetorian
propranolol
proprecedent
propretor
propretorial
propretorian
propria
propriation
propriatory
proprietage
proprietarian
proprietariat
proprietaries
proprietarily
proprietary
propulsor
propulsory
propunishment
propupa
propupal
propurchase
propwood
propygidium
propyl
propyla
propylacetic
propylaea
propyldium
propylalaeum
propylalaea
propylamine
propylation
propylene
propylhexedrine
propylic
propylidene
propylite
propylitic
propylitization
propylon
propyls
propyne
propynoic
proquaestor
proracing
prorailroad
prorata
proratable
prorate
prorated
prorater
prorates
prorating
proration
prore
proreader
prorealism
prorealist
prorealistic
proreality
prorean
prorebate
prorebel
prorecall
proscriptively
proscriptiveness
proscutellar
proscutellum
proscynemata
prose
prosecrecy
prosecretin
prosect
prosected
prosecting
prosection
prosector
prosectorial
prosectorium
prosectorship
prosects
prosecutable
prosecute
prosecuted
prosecutes
prosecuting
prosecution
prosecutions
prosective
prosecutor
prosecutorial
prosecutors
prosecutory
prosectrices
prosectrix
prosectrices
prosed
prosectivity
proselenic
proselike
prosely
proselyte
proselyted
proselyter
proselytes
proselytical
proselyting
proselytingly
proselytisation
proselytise
proselytised
proselytiser
proselytising
proselytism
proselytist
proselytistic
proselytization
proselytize
proselytized
proselytizer
proselytizers
proselytizes
proselytizing
proseman
proseminar
proseminary
proseminate
prosemination
prosencephalic
prosencephalon
prosenchyma
prosenchymas
prosenchymata
prosenchymatous
prosenschal
prosequendum
prosequi
prosequitur
proser
proserpina
prosers
proses
prosethmoid
proseucha
proseuche
prosier
prosiest
prosification
prosifier
prosify
prosiency
prosient
prosilently
prosilverite
prosily
prosimian
prosiness
prosing
prosingly
prosiphon
prosiphonal
prosiphonate
prosish
prosist
prosit
proskomide
proslambanomenos
proslave
proslaver
proslavery
proslaveryism
proslyted
proslyting
prosneusis
proso
prosobranch
prosobranchiate
prosocele
prosocoele
prosodal
prosode
prosodemic
prosodetic
prosodiac
prosodiacal
prosodiacally
prosodial
prosodially
prosodian
prosodic
prosodical
prosodically
prosodics
prosodies
prosodion
prosodist
prosodus
prosody
prosogaster
prosogyrate
prosogyrous
prosoma
prosomal
prosomas
prosomatic
prosonomasia
prosopalgia
prosopalgic
prosopantritis
prosopectasia
prosophist
prosoptic
prosoptically
prosopite
prosoplasia
prosopographical
prosopography
prosopolepsy
prosopon
prosoponeuralgia
prosopoplegia
prosopoplegic
prosopopoeia
prosopopoeial
prosposchisis
prosopospasm
prosopotocia
prosopyl
prosopyle
prosorus
prosos
prospect
prospected
prospecting
prospection
prospection's
prospections
prospective
prospectively
prospectiveness
prospectives
prospectless
prospector
prospector's
prospectors
prospects
prospectus
prospectuses
prospectusless
prospeculation
prosper
prosperation
prospered
prosperer
prospering
prosperities
prosperity
prospero
prosperous
prosperously
prosperousness
prospers
prospheora
prophorion
prophysis
prospice
prospicience
prosporangium
prosport
pross
prosser
prosstoa
prossy
prost
prostades
prostaglandin
prostas
prostasis
prostatauxxe
prostate
prostatectomies
prostatectomy
prostatelcosis
prostates
prostatic
prostaticovesical
prostatism
prostatitic
prostatitis
prostatocystitis
prostatocystotomy
prostatodynia
prostatolith
prostatomegaly
prostatometer
prostatomyomectom
prostatorrhea
prostatorrhoea
prostatotom
y
prostatovesical
prostatovesiculectomy
prostatovesiculitis
prostemmate
prostemmatic
prosubstantive
prosubstitution
prosuffrage
prosupervision
prosupport
prosurgical
prosurrender
prosy
prosyllogism
prosyndicalism
prosyndicalist
protactic
protactinium
protagon
protagonism
protagonist
protagonists
protalbumose
protamin
protamine
protamins
protandric
protandrism
protandrous
protandrouslly
protandry
protanomal
protanomalous
protanomaly
protanope
protanopia
protanopic
protargentum
protargin
protariff
protarsal
protarsus
protases
protasis
protaspsis
protatic
protatically
protax
protaxation
protaxial
protaxis
prote
protea
proteaceous
protead
protean
proteanly
proteanwise
proteas
protease
proteases
protechnical
protect
protectable
protectant
protected
protectee
protectible
protecting
protectingly
protectinglyrmal
protectingness
protection
protection's
protectional
protectionate
protectionism
protectionist
protectionists
protectionize
protections
protectionship
protective
protectively
protectiveness
protector
protector's
protectoral
protectorate
protectorates
protectorial
protectorian
protectories
protectorless
protectors
protectorship
protectory
protectress
protectresses
protectrix
protects
protege
protege's
protegee
protegees
proteges
protegulum
protei
proteic
proteid
proteide
proteidean
proteides
proteidogenous
proteids
proteiform
protein
protein's
proteinaceous
proteinase
proteinate
proteinic
proteinochromogen
proteinous
proteinophobia
proteins
proteinuria
proteinuric
protelytropteran
protelytropteron
protelytropterous
protemperance
protempirical
protemporaneous
protend
protended
protending
protends
protense
protension
protensity
protensive
protensively
proteoclastic
proteogenous
proteolipide
proteolysis
proteolytic
proteoplectic
proteopexic
proteopexis
proteopexy
proteosaurid
proteose
proteoses
proteosomal
proteosome
proteosuria
proteopheroid
proterandric
proterandrous
proterandrously
proterandrousness
proterandry
proteranthonous
proteranthy
proterobase
proteroglyph
proteroglyphic
proteroglyphous
proterogynous
proterogyny
proterothesis
proterotype
proterozoic
proterve
protervity
protest
protestable
protestancy
protestant
protestantism
protestants
protestation
protestations
protestator
protestatory
protested
protester
protesters
protesting
protestingly
protestive
protestor
protestor's
protestors
protests
protetrarch
proteus
protevangel
protevangelion
protevangelium
protext
prothalamia
prothalamion
prothalamium
prothalamiumia
prothalli
prothallia
prothallial
prothallic
prothalline
prothallium
prothalloid
prothallus
protheatrical
protheca
protheses
prothesis
prothetelic
prothetely
prothetic
prothetical
prothetically
prothmia
prothonotarial
prothonotariat
prothonotaries
prothonotary
prothonotaryship
prothoraces
prothoracic
prothorax
prothoraxes
prothrift
prothrombin
prothrombogen
prothyl
prothysteron
protid
protide
protiode
protiodide
protist
protista
protistan
protistic
protistological
protistologist
protistology
protiston
protists
protium
protiums
proto
protoactinium
protoalbumose
protoamphibian
protoanthropic
protoapostate
protoarchitect
protobacco
protobasidiomycetous
protobasidium
protobishop
protoblast
protoblastic
protoblattoid
protobranchiate
protocalcium
protocanonical
protocaseose
protocatechualdehyde
protocatechuic
protoceratops
protocerical
protocerebral
protocerebrum
protochemist
protochemistry
protochloride
protochlorophyll
protochordate
protochromium
protochordate
protochrome
protochrono
protochronous
protochronus
protochlorophyll
protochordate
protochromium
protochronologic
protochronologic
protocitizen
protoclastic
protocline
protococcal
protococcous
protococcus
protocol
protocol’s
protograph
protogynous
protogyny
protohematoblast
protohemipteran
protohemipteron
protohemipterous
protoheresiarch
protohippus
protohistorian
protohistoric
protohistory
protohomo
protohuman
protohydrogen
protohymenopteran
protohymenopteron
protohymenopterous
protoiron
protolanguage
prototoleration
protleucocyte
protleukocyte
protolithic
protoliturgic
protolog
protologist
protoloph
protoma
protomagister
protomagnate
protomagnesium
protomala
protomalal
protomalar
protomammal
protomammalian
protomanganese
protomartyr
protome
protomeristem
protomerite
protomeritic
protometal
protometallic
protometals
protometaphrast
protomonostelic
protomorph
protomorphic
protomyosinose
proton
proton's
protonate
protonated
protonation
protone
protonegroid
protonema
protonemal
protonemata
protonematal
protonematoid
protoneme
protonephridial
protonephridium
protonephros
protoneuron
protoneurone
protoneutron
protonic
protonickel
protonitrate
protonotary
protonotater
protonotion
protonotions
protons
protonym
protonymph
protonymphal
protopapas
protopappas
protoparent
protopathia
protopathic
protopathy
protopatriarchal
protopatrician
protopattern
protopectin
protopectinase
protopepsia
protoperalrian
protophilosophic
protophloem
protophyll
protophyta
protophyte
protophytic
protopin
protopine
protoplanet
protoplasm
protoplasm
protoplasmal
protoplasmatic
protoplasmic
protoplasm
protoplast
protoplastic
protopod
protopodial
protopodite
protopoditic
protopods
protopoetic
protopope
protoporphyrin
protoprismatic
protopresbyter
protopresbytery
protoprism
protoproteose
protoprotestant
protopteran
protopteridophyte
protopterous
protopyramid
protore
protorebel
protoreligious
protoreptilian
protorosaur
protorosaurian
protorosaur
protorosaurian
protorosauroid
protorthopteran
protorthopteron
protorthopterous
protosalt
protosaurian
protoscientific
protosilicate
protosilicon
protosinner
protoxids
protoxylem
protoypes
protozoea
protozoa
t protozoacidal
protozoacide
protozoal
protozoan
protozoans
protozoea
protozoan
protozoiasis
protozoic
protozoological
protozoologist
protozoology
protozoon
protozoonal
protozzoa
protracheate
protract
protracted
protractedly
protractedness
protracter
protractible
protractile
protractility
protracting
protraction
protractive
protractor
protractors
protracts
protrade
protradition
protraditional
protragedy
protragical
protragie
protransfer
protranslation
protransubstantiation
protravel
protreasurer
protreaty
protreptic
protreptical
proverbed
proverbial
proverbialism
proverbialist
proverbialize
proverbially
proverbic
proverbing
proverbbiologist
proverbiole
proverbize
proverbly
proverbic
proverbing
proverbiologist
proverbiology
proverbize
proverblike
proverbs
provers
proves
proviant
provicar
provicariate
providable
providance
provide
provided
province
province's
provinces
provincial
provincialate
provincialism
provincialist
provincialities
provinciality
provincialization
provincialize
provinciaally
provincialship
psalmist
psalmister
psalmistry
psalmists
psalmless
psalmodial
psalmodic
psalmodical
psalmodies
psalmodist
psalmodize
psalmody
psalmograph
psalmographer
psalmography
psalms
psalmy
psaloid
psalter
psalterer
psalteria
psalterial
psalterian
psalteries
psalterion
psalterist
psalterium
psalters
psaltery
psaltes
psalteteria
psaltress
psaltrees
psaltry
psammead
psammite
psammites
psammitic
psammocarcinoma
psammocharid
psammogenous
psammolithic
psammologist
psammology
psammoma
psammophile
psammophilous
psammophyte
psammophytic
psammosarcoma
psammosere
psammotherapy
psammous
psarolite
pschent
pschents
psec
psellism
psellismus
psend
psephism
psephisma
psephite
psephites
psephitic
psephological
psephologist
psephology
psephomancy
pseud
pseudaconin
pseudaconine
pseudaconitine
pseudacusis
pseudalveolar
pseudambulacral
pseudambulacrum
pseudamoeboid
pseudamphora
pseudamphorae
pseudandry
pseudangina
pseudankylosis
pseudaphia
pseudapossematic
pseudaposporous
pseudapospory
pseudapostle
pseudarachnidan
pseudarthrosis
pseudataxic
pseudatoll
pseudaxine
pseudaxis
pseudelephant
pseudelminth
pseudelytron
pseudembryo
pseudembryonic
pseudencephalic
pseudencephalus
pseudepigrap...
pseudoallelism
pseudoalum
pseudoalveolar
pseudoamateurish
pseudoamateurishly
pseudoamateurism
pseudoamatorial
pseudoamatory
pseudoambidextrous
pseudoambidextrously
pseudoameboid
pseudoanachronistic
pseudoanachronistical
pseudoanaphylactic
pseudoanaphylaxis
pseudoanarchistic
pseudoanatomic
pseudoanatomical
pseudoanatomically
pseudoancestral
pseudoancestrally
pseudoanemia
pseudoanemic
pseudoangelic
pseudoangelical
pseudoangelically
pseudoangina
pseudoangular
pseudoangularly
pseudoankylosis
pseudoanthorine
pseudoanthropoid
pseudoanthropological
pseudoanthropology
pseudoantique
pseudoapologetic
pseudoapologetically
pseudoapoplectic
pseudoapoplectical
pseudoapoplectically
pseudoapoplexy
pseudoappendicitis
pseudoapplicative
pseudoapprehensive
pseudoapprehensively
pseudoaquatic
pseudoarchaic
pseudoarchaically
pseudoarchaism
pseudoarchaist
pseudoaristocratic
pseudoaristocratical
pseudoaristocratically
pseudoarthrosis
pseudoarticulate
pseudoarticulately
pseudoarticulation
pseudoartistic
pseudoartistically
pseudoascetic
pseudoascetical
pseudoascetically
pseudoassertive
pseudoassertively
pseudoassociational
pseudoastringent
pseudoasymmetric
pseudoasymmetrical
pseudoasymmetrically
pseudoasymmetry
pseudoataxia
pseudobacterium
pseudobankrupt
pseudobaptismal
pseudobasidium
pseudobchia
pseudobenefactory
pseudobenevolent
pseudobenevolently
pseudobenthonic
pseudobenthos
pseudobia
pseudobinary
pseudobiographic
pseudobiographical
pseudobiographically
pseudobiological
pseudobiologically
pseudoblepsia
pseudoblepsis
pseudobreachia
pseudobrachial
pseudobrachial
pseudobrachium
pseudobranch
pseudobranchia
pseudobranchial
pseudobranchiate
pseudobrookite
pseudobrotherly
pseudobulb
pseudobulbar
pseudobulbil
pseudobulbous
pseudobutylene
pseudocandid
pseudocandidly
pseudocapitulum
pseudocaptive
pseudocarbadimide
pseudocarcinoid
pseudocarp
pseudocarpous
pseudocartilaginous
pseudocatholically
pseudocele
pseudocelian
pseudocelic
pseudocellus
pseudocelom
pseudocentric
pseudocentrous
pseudocentrum
pseudoceratitic
pseudocercaria
pseudocercariae
pseudocercerci
pseudocerci
pseudocercus
pseudoceryl
pseudocharitable
pseudocharitably
pseudochemical
pseudochina
pseudochromesthesia
pseudochromia
pseudochromosome
pseudochronism
pseudochronologist
pseudochrysalis
pseudochrysolite
pseudochylous
pseudocirrhosis
pseudoclassic
pseudoclassical
pseudoclassicality
pseudoclassicism
pseudoclerical
pseudoclerically
pseudococctate
pseudocoel
pseudocoele
pseudocoelom
pseudocoelomate
pseudocoelome
pseudocollegiate
pseudocolumella
pseudocolumellar
pseudocommissural
pseudocommisure
pseudocommisural
pseudocompetitive
pseudocompetitively
pseudocoonica
pseudocoonclude
pseudocoone
pseudocoenonessional
pseudocoonglomerate
pseudocoonglomeration
pseudocoonhynide
pseudocoonjugation
pseudocoonservative
pseudocoonservatively
pseudocoornaceous
pseudocoortex
pseudocoosta
pseudocotyledon
pseudocotyledonal
pseudocotyledonary
pseudocourteous
pseudocourteously
pseudocritical
pseudocritically
pseudocroup
pseudocrystalline
pseudocubic
pseudocubical
pseudocubically
pseudocultivated
pseudocultural
pseudoculturally
pseudocumene
pseudocumenyl
pseudocumidine
pseudocumyl
pseudocyclosis
pseudocykesis
pseudocyphella
pseudocyst
pseudodeltidium
pseudodementia
pseudodemocratic
pseudodemocratically
pseudoderm
pseudodermic
pseudodevice
pseudodiagnosis
pseudodiastolic
pseudodiphtheria
pseudodiphtherial
pseudodiphtheric
pseudodiphtheritic
pseudodipteral
pseudodipterally
pseudodipteros
pseudodivine
pseudodont
pseudodox
pseudodoxal
pseudodoxy
pseudodramatic
pseudodramatically
pseudodysentery
pseudoeconomical
pseudoeconomically
pseudoeedema
pseudoeedemata
pseudoeeditorial
pseudoeeditorially
pseudoeeducational
pseudoeeducationally
pseudoelectoral
pseudoelephant
pseudoeembryo
pseudoeembryonic
pseudoeemotional
pseudoeemotionally
pseudoeencephalitic
pseudoeenthusiastic
pseudoeenthusiastically
pseudoeephedrine
pseudoepiscopal
pseudoequalitarian
pseudoerotic
pseudoerotically
pseudoeroticism
pseudoerysipelas
pseudoerysipelatous
pseudoerythrin
pseudoethical
pseudoethically
pseudoetymological
pseudoetymologically
pseudoeugenic
pseudoevangelic
pseudoevangelical
pseudoevangelically
pseudoexperimental
pseudoexperimentally
pseudofaithful
pseudofaithfully
pseudofamous
pseudofamously
pseudofarcey
pseudofatherly
pseudoeminine
pseudoever
pseudoeverish
pseudoeverishly
pseudoepilaria
pseudoepilarian
pseudoepiles
pseudoeinal
pseudofinally
pseudofluctuation
pseudofluorescence
pseudoepialaceous
pseudoform
pseudoepossil
pseudoepigalena
pseudoepiganglion
pseudoepigaseous
pseudoepigaster
pseudoepigastrula
pseudoepigenera
pseudoepigeneral
pseudoepigeneric
pseudoepigenerical
pseudoepigenerically
pseudogenerous
pseudogenteel
pseudogentlemanly
pseudogenus
pseudogenuses
pseudogeometry
pseudogermanic
pseudogeusia
pseudogeustia
pseudoglanders
pseudglioma
pseudoglobulin
pseudoglottis
pseudograph
pseudographeme
pseudographer
pseudographia
pseudographize
pseudography
pseudograsserie
pseudogyne
pseudogynous
pseudogyny
pseudogyrate
pseudohallucination
pseudohallucinatory
pseudohalogen
pseudohemal
pseudohemophilia
pseudohermaphroditism
pseudohermaphrodite
pseudohermaphroditic
pseudohermaphroditism
pseudoheroic
pseudoheroical
pseudoheroically
pseudohexagonal
pseudohexagonally
pseudohistoric
pseudohistorical
pseudohistorically
pseudoholoptic
pseudohuman
pseudohumanistic
pseudohydrophobia
pseudohydroscyamine
pseudohypertrophic
pseudohypertrophy
pseudoidentical
pseudoimpartial
pseudoimpartially
pseudoindifferent
pseudoindifferently
pseudoinfluential
pseudoinsane
pseudoinsoluble
pseudoinspirational
pseudoinspiring
pseudoinstruction
pseudoinstructions
pseudointellectual
pseudointellectually
pseudointellectuals
pseudointernational
pseudointernationalist
pseudoinvalid
pseudoinvalidly
pseudoisatin
pseudoisism
pseudoisomer
pseudoisomeric
pseudoisomerism
pseudoisometric
pseudoisotropy
pseudojervine
pseudolabia
pseudolabial
pseudolabium
pseudolalia
pseudolamellibranchiate
pseudolaminated
pseudolateral
pseudolatry
pseudolegal
pseudolegality
pseudolegendary
pseudolegislative
pseudoeleucite
pseudoeleucocyte
pseudoeleukemia
pseudoeleukemic
pseudoliberal
pseudoliberally
pseudolichen
pseudolinguistic
pseudolinguistically
pseudoliterary
pseudolobar
pseudological
pseudologically
pseudologist
pseudologue
pseudology
pseudolunula
pseudolunulae
pseudolunule
pseudomalachite
pseudomalaria
pseudomancy
pseudomania
pseudomaniac
pseudomantic
pseudomantist
pseudomasculine
pseudomedical
pseudomedically
pseudomedieval
pseudomedievally
pseudomelanosis
pseudomembrane
pseudomembranous
pseudomemory
pseudomeningitis
pseudomenstruation
pseudomer
pseudomeric
pseudomerism
pseudomy
pseudometallic
pseudometameric
pseudometamerism
pseudometric
pseudomica
pseudomilitarily
pseudomilitarist
pseudomilitaristic
pseudomilitary
pseudoministerial
pseudominity
pseudomiraculous
pseudomiraculously
pseudomitotic
pseudomnesia
pseudomnesia
pseudomodern
pseudomodest
pseudomodestly
pseudomonades
pseudomonas
pseudomonastic
pseudomonastical
pseudomonastically
pseudomonoclinic
pseudomonocotyledonous
pseudomonocyclic
pseudomonotropy
pseudomoral
pseudomoralistic
pseudomorph
pseudomorphia
pseudomorphic
pseudomorphine
pseudomorphism
pseudomorphose
pseudomorphosis
pseudomorphous
pseudomorula
pseudomorular
pseudomucin
pseudomucoid
pseudomultilocular
pseudomultiseptate
pseudomutuality
pseudomycelial
pseudomycelium
pseudomythical
pseudomythically
pseudonarcotic
pseudonational
pseudonationally
pseudonavicella
pseudonavicellar
pseudonavicula
pseudonavicular
pseudoneuropter
pseudoneuropteran
pseudoneuropterous
pseudonitrol
pseudonitrole
pseudonitrosite
pseudonoble
pseudonuclein
pseudonucleolus
pseudonychium
pseudonym
pseudonymal
pseudonymic
pseudonymity
pseudonymous
pseudonymously
pseudonymousness
pseudonyms
pseudonymuncle
pseudonymuncule
pseudoobscura
pseudooccidental
pseudoofficial
pseudoofficially
pseudoorganic
pseudoorganically
pseudooriental
pseudoorientally
pseudoorthorhombic
pseudooval
pseudoovally
pseudopagan
pseudopapal
pseudopapaverine
pseudoparallel
pseudoparallelism
pseudoparalyses
pseudoparalysis
pseudoparalytic
pseudoparaplegia
pseudoparasitic
pseudoparasitism
pseudoparenchyma
pseudoparenchymatous
pseudoparenchyme
pseudoparesis
pseudoparthenogenesis
pseudopatriotic
pseudopatriotically
pseudopediform
pseudopelletierine
pseudopercular
pseudoperculate
pseudoperculum
pseudoperianth
pseudoperidium
pseudoperiodic
pseudoperipteral
pseudoperipterus
pseudopermanent
pseudoperoxide
pseudoperspective
pseudophallic
pseudophellandrene
pseudophenanthrene
pseudophenanthroline
pseudophenocryst
pseudophilanthropic
pseudophilanthropical
pseudophilanthropically
pseudophilosophical
pseudophone
pseudopinionnotes
pseudopious
pseudopiously
pseudoplasm
pseudoplasma
pseudoplasmodium
pseudopneumonia
pseudopod
pseudopodal
pseudopode
pseudopodia
pseudopodial
pseudopodian
pseudopodic
pseudopodiospore
pseudopodium
pseudopoetic
pseudopoetical
pseudopolitic
pseudopolitical
pseudopopular
pseudopore
pseudoporphyrnic
pseudopregnancy
pseudopregnant
pseudopriestly
pseudoprimitive
pseudoprimitivism
pseudoprincely
pseudoprobiotic
pseudoprofessional
pseudoprofessorial
pseudoprophetic
pseudoprophetical
pseudoproperous
pseudoproperously
pseudoprostyle
pseudopia
pseudopsychological
pseudoptics
pseudoptosis
pseudopupa
pseudopupal
pseudopurpurin
pseudopyriform
pseudoquinol
pseudorabies
pseudoracemic
pseudoracemism
pseudoramose
pseudoramulus
pseudorandom
pseudorealistic
pseudoreduction
pseudoreformatory
pseudoreformed
pseudoregal
pseudoregally
pseudoreligious
pseudoreligiously
pseudoreminiscence
pseudorepublican
pseudoresident
pseudoresidential
pseudorganic
pseudorheumatic
pseudohomohedral
pseudoromantic
pseudoromantically
pseudoroyal
pseudorroyally
pseudorunic
pseudosacred
pseudosacrilegious
pseudosacrilegiously
pseudosalt
pseudosatirical
pseudosatirically
pseudoscalar
pseudoscarlatina
pseudoscholarly
pseudoscholastic
pseudoscholastically
pseudoscience
pseudoscientific
pseudoscientifically
pseudoscientist
pseudoscinine
pseudosclerosis
pseudoscope
pseudoscopic
pseudoscopically
pseudoscopy
pseudoscorpion
pseudoscutum
pseudosemantic
pseudosemantically
pseudosemantic
pseudosensational
pseudoseptate
pseudoservile
pseudoservilely
pseudosessile
pseudosiphonal
pseudosiphonic
pseudosiphuncal
pseudoskeletal
pseudoskeleton
pseudoskink
pseudosmia
pseudosocial
pseudosocialistic
pseudosocially
pseudosolution
pseudosoph
pseudosopher
pseudosophical
pseudosophist
pseudosophy
pseudospectral
pseudosperm
pseudospermic
pseudospermium
pseudospermous
pseudosphere
pseudospherical
pseudospiracle
pseudospiritual
pseudospiritually
pseudosporangium
pseudospore
pseudosquamate
pseudostalactite
pseudostalactitic
pseudostalactitical
pseudostalagmite
pseudostalagmitic
pseudostalagmitical
pseudostereoscope
pseudostereoscopic
pseudostereoscopism
pseudostigma
pseudostigmatic
pseudostoma
pseudostomatous
pseudostomous
pseuostratum
pseudostudious
pseudostudiously
pseudostudite
pseudostudy
pseudosuchian
pseudosuicidal
pseudosweating
pseudosyllogism
pseudosymmetric
pseudosymmetrical
pseudosymmetry
pseudosymptomatic
pseudosyphilis
pseudosyphilitic
pseudotabes
pseudotachylite
pseudotetanus
pseudotetragonal
pseudotetrameral
pseudotetramerous
pseudotribal
pseudotribally
pseudotributary
pseudotrimeral
pseudotrimmerous
pseudotripteral
pseudotripine
pseudotubercular
pseudotuberculosis
pseudotuberculous
pseudoturbinal
pseudotyphoid
pseudeval
pseudovarian
pseudovaries
pseudovary
pseudovelar
pseudovelum
pseudoventricle
pseudoviaduct
pseudoviperine
pseudoviperous
pseudoviperously
pseudoviscosity
pseudoviscous
pseudovolcanic
pseudovolcano
pseudovum
pseudowhorl
pseudoxanthine
pseudoyohimbine
pseudezealot
pseudozealous
pseudozealously
pseudozea
pseudozoogloal
pseudozoological
psf
psha
pshaw
pshawed
pshawing
pshaws
psi
psia
psid
psig
psilanthropic
psilanthropism
psilanthropist
psilanthropy
psilatro
psiloceran
psilocratern
psiloceratid
psilocin
psilocybin
psiloi
psilology
psilomelane
psilomelanic
psilophyte
psiloses
psilosis
psilosopher
psilosophy
psilotaceous
psilothrum
psilotic
psis
psithurism
psittaceous
psittaceously
psittacine
psittacinite
psittacism
psittacistic
psittacomorphic
psittacosis
psittacotic
psize
psoadic
psoae
psoai
psoas
psoatic
psocid
psochilds
psochine
psoitis
psomophagic
psomophagist
psomophagy
psora
psoralea
psoraleas
psoriasises
psoriastic
psoriasiform
psoriasis
psoriatic
psoriatiform
psoric
psoroid
psorophthalmia
psorophthalmic
psoroptic
psorosis
psorosperm
psorospermial
psorospermiasis
psorospermic
psorospermiform
psorospermosis
psorous
psovie
pssimistical
psst
pst
psuedo
psw
psych
psychagogic
psychagogos
psychagogue
psychagogy
psychal
psychalgia
psychanalysis
psychanalyst
psychanalytic
psychanalytically
psychasthenia
psychasthenic
psychataxia
psyche
psyche's
psyched
psychedelia
psychedelic
psychedelically
psychedelics
psycheometry
psyches
psychesthesia
psychesthetic
psychiasis
psychiater
psychiatria
psychiatric
psychiatrically
psychodelic
psychodiagnosis
psychodiagnostic
psychodiagnostics
psychodispositional
psychodrama
psychodramas
psychodramatic
psychodynamic
psychodynamics
psychoeducational
psychoepilepsy
psychoethical
psychofugal
psychogalvanic
psychogalvanometer
psychogenesis
psychogenetic
psychogenetical
psychogenetically
psychogenetics
psychogenic
psychogenically
psychogeny
psychogeriatrics
psychognosis
psychognostic
psychognosy
psychogonic
psychogonical
psychogony
psychogram
psychograph
psychographer
psychographic
psychographically
psychographist
psychography
psychohistory
psychoid
psychokineses
psychokinesia
psychokinesis
psychokinetic
psychokyme
psychol
psycholepsy
psycholeptic
psycholinguistic
psycholinguistics
psychologer
psychologian
psychologic
psychological
psychologically
psychologies
psychologies
psychologised
psychologising
psychologism
psychologist
psychologist's
psychologistic
psychologists
psychologize
psychologized
psychologizing
psychologue
psychology
psychomachy
psychomancy
psychomantic
psychometer
psychometric
psychometrical
psychometrically
psychometrician
psychometrics
psychometries
psychometrist
psychometrize
psychometry
psychomonism
psychomoral
psychomorphic
psychomorphism
psychomotility
psychomotor
psychon
psychoneural
psychoneurological
psychoneuroses
psychoneurosis
psychoneurotic
psychonomic
psychonomics
psychonomy
psychny
psychoorganic
psychopannychian
psychopannychism
psychopannychist
psychopannychistic
psychopannychy
psychopannychite
psychopath
psychopathia
psychopathic
psychopathically
psychopathies
psychopathist
psychopathologic
psychopathological
psychopathologically
psychopathologist
psychopathology
psychopaths
psychopathy
psychopetal
psychopharmacologic
psychopharmacological
psychopharmacology
psychophobia
psychophonasthenia
psychophysic
psychophysical
psychophysically
psychophysicist
psychophysics
psychophysiology
psychoplasm
psychopomp
psychopompos
psychoprophylactic
psychoprophylaxis
psychoquackeries
psychorealism
psychorealistic
psychoreflex
psychorhythm
psychorhythmia
psychorhythmic
psychorhythmical
psychorhythmically
psychorrhagic
psychorrhagy
psychos
psychosarcous
psychosensorial
psychosensory
psychoses
psychosexual
psychosexual
psychosis
psychosocial
psychosocially
psychosociology
psychosomatic
psychosomatics
psychosome
psychosophy
psychostasy
psychostatic
psychostatical
psychostatically
psychostatics
psychosurgeon
psychosurgery
psychosyntheses
psychosynthesis
psychosynthetic
psychotaxis
psychotechnical
psychotechnician
psychotechnics
psychotechnological
psychotechnologist
psychotechnology
psychotheism
psychotheist
psychotherapeutic
psychotherapeutical
psychotherapeutically
psychotherapeutics
psychotherapeutist
psychotherapies
psychotherapist
psychotherapists
psychotherapy
psychotic
psychotically
psychotics
psychotogen
psychotogenic
psychotomimetic
psychotoxic
psychotrine
psychotropic
psychovital
psychroesthesia
psychrograph
psychrometer
psychrometric
psychrometrical
psychrometry
psychrophile
psychrophilic
psychrophobia
psychrophore
psychrophyte
psychotherapies
psychs
psychurgy
psycter
psykter
psykters
psylla
psyllas
psyllid
psyllids
psyllium
psywar
pt
pta
ptarmic
ptarmical
ptarmigan
ptarmigans
pte
ptenoglossate
pteronodon
pteronodont
pteraspid
ptereal
pterergate
pteric
pterichthys
pterideous
pteridium
pteridography
pteridoid
pteridological
pteridologist
pteridology
pteridophilism
pteridophilist
pteridophilistic
pteridophyte
pteridophytes
pteridophytic
pteridophytous
pteridosperm
pteridospermaphytic
pteridospermous
pterin
pterins
pterion
pterna
pterobranchiate
pterocarpous
pteroclomorphic
pterodactyl
pterodactylian
pterodactylic
pterodactylid
pterodactyloid
pterodactylous
pterodactyls
pterographer
pterographic
pterographical
pterography
pteroid
pteroma
pteromalid
pteromata
pteron
pteronomohobia
pteropaedes
pteropaedic
pteropegal
pteropegous
pteropegum
pterophorid
pteropid
pteropine
pteropod
pteropodal
pteropodan
pteropodial
pteropodium
pteropodous
pteropods
pteropus
pterosaur
pterosaurian
pterospernum
pterostigma
pterostigmal
pterostigmatic
pterostigmatical
pterotheca
pterothorax
pterotic
pteroylglutamic
pteroylmonoglobin
pterygia
pterygial
pterygiophore
pterygium
pterygiums
pterygobranchiate
pterygode
pterygodum
pterygoid
pterygoidal
pterygoidean
pterygoidean
pterygomalar
pterygomandibular
pterygomaxillary
pterygopalatal
pterygopalatine
pterygopharyngeal
pterygopharyngean
pterygophore
pterygopodium
pterygoquadrate
pterygosphenoid
pterygospinous
pterygostaphyline
pterygote
pterygotous
pterygotrabecular
pteryla
pterylae
pterylographic
pterylographical
pterylogy
pterylography
pterylovibular
pterylography
pterylosis
pteryrygia
ptg
ptilinal
ptilinum
ptilopaedes
ptilopaedic
ptilosis
ptinid
ptinoid
ptisan
ptisans
ptochocracy
ptochogony
ptochology
ptolemaean
ptolemaic
ptolemaist
ptolemy
ptomain
ptomaine
ptomaines
ptomainic
ptomains
ptomatropine
ptoses
ptosis
ptotic
ptp
pts
ptt
ptts
pty
ptyalagogic
ptyalagogue
ptyalagique
ptyalectases
ptyalectasis
ptyalin
ptyalins
ptyalism
ptyalisms
ptyalize
ptyalized
ptyalizing
ptyalocele
ptyalogenic
ptyalolith
ptyalolithiasis
ptyalorrhea
ptychoparid
ptychopariid
ptychopterygial
ptychopterygium
ptysmagogue
ptyxis
pu
pua
puan
pub
pub's
pubal
pubble
puberal
pubertal
pubertic
puberties
puberty
puberulent
puberulous
pubes
pubescence
pubescency
pubescent
pubian
pubic
pubigerous
pubiotomy
pubis
publ
public
publica
publicae
publically
publican
publicanism
publicans
pudsy
pudu
puelito
pueblo
puebloization
puebloize
pueblos
pueraria
puerer
puericulture
puerile
puerilely
puerileness
puerilism
puerilities
puerility
puerman
puerpera
puerperae
puerperal
puerperalism
puerperant
puerperia
puerperium
puerperous
puerperry
puerto
puff
puffback
puffball
puffballs
puffbird
puffed
puffer
pufferies
puffers
puffery
puffier
puffiest
puffily
puffin
puffiness
puffinet
puffing
puffingly
puffins
pufflet
puffs
pufftn
puffwig
puffy
pug
pugaree
pugarees
pugdog
pugenello
puget
puggaree
puggarees
pugged
pugger
puggi
puggier
puggiest
pugginess
puggling
puggish
puggle
puggree
puggrees
puggries
puggry
puggy
pugh
pugil
pugilant
pugilism
pugilisms
pugilist
pugilistic
pugilistical
pugilistically
pugilists
puglianite
pugman
pugmark
pugmarks
pugmill
pugmiller
pugnacious
pugnacingly
pugnaciousness
pugnacity
pugree
pugrees
pugs
puir
puirness
puirtith
puisne
puisnes
puisny
puissance
puissant
puissantly
puissantness
puist
puistie
puja
pujari
puka
pukatea
pukateine
puke
puked
pukeka
pukeko
puker
pukes
pukeweed
puking
pukish
pukishness
pukka
pukras
puku
puky
pui
pulahan
pulahanes
pulahanism
pulajan
pulas
pulasan
pulaskite
pulchrify
pulchritude
pulchritudinous
pule
puled
pulegol
pulegone
puler
pulers
pullets
pulley
pulley’s
pulleyless
pulleys
pull
pullicat
pullicate
pulling
pullings
pullisee
pullman
pullmans
pullock
pullorum
pullout
pullouts
pullover
pullovers
pulls
pullshovel
pullulant
pullulate
pullulated
pullulating
pullulation
pullulative
pullus
pulment
pulmobranchia
pulmobranchial
pulmobranchiate
pulmocardiac
pulmocutaneous
pulmogastric
pulmometer
pulmometry
pulmonal
pulmonar
pulmonaria
pulmonarian
pulmonary
pulmonate
pulmonated
pulmonectomies
pulmonectomy
pulmonic
pulmonical
pulmonifer
pulmoniferous
pulmonitis
pulmator
pulmators
pulmotracheal
pulmotracheal
pulmotracheate
pulp
pulpaceous
pulpal
pulpalgia
pulpally
pulpamenta
pulpar
pulpatone
pulpatone
pulpectomy
pulped
pulpefaction
pulper
pulperia
pulpers
pulpier
pulpiest
pulfication
pulphified
pulphifier
pulphify
pulphifying
pulpily
pulpiness
pulping
pulpit
pulpit's
pulpital
pulpitarian
pulpiteer
pulpiter
pulpiful
pulpitic
pulpitical
pulpitically
pulpitis
pulpitish
pulpitism
pulpitize
pulverous
pulverulence
pulverulent
pulverulently
pulvic
pulvil
pulvilio
pulvillar
pulvilli
pulvilliform
pulvillus
pulvinar
pulvinarian
pulvinate
pulvinated
pulvinately
pulvation
pulvini
pulvinic
pulviniform
pulvinni
pulvino
pulvinule
pulvinulus
pulvinus
pulviplume
pulwar
puly
puma
pumas
pumelo
pumelos
pumex
pumicate
pumicated
pumicating
pumice
pumiced
pumiceous
pumicer
pumicers
pumices
pumiciform
pumicing
pumicite
pumicites
pumicose
pummel
punchball
punchboard
punchbowl
punched
puncheon
puncheons
puncher
punchers
punches
punchier
punchiest
punchinello
punchiness
punching
punchless
punchlike
punchproof
punchy
punct
punctal
punctate
punctated
punctatim
punctuation
punctator
puncticular
puncticulate
puncticulose
punctiform
punctiliar
punctilio
punctiliomonger
punctilious
punctiliousness
punctilla
punctist
punctographic
punctual
punctualist
punctuality
punctually
punctualness
punctuated
punctuates
punkest
punketto
punkey
punkeys
punkie
punkier
punkies
punkiest
punkin
punkiness
punkins
punkish
punkling
punks
punkt
punkwood
punky
punless
punlet
punnable
punnage
punned
punner
punners
punnet
punnic
punnical
punnier
punniest
punnigram
punning
punningly
punnology
punny
punproof
puns
punster
punsters
punstress
punt
punta
puntabout
puntal
punted
puntel
puntello
punter
punters
pupilary
pupilate
pupildom
pupiled
pupilize
pupillage
pupilar
pupillarity
pupillary
pupillate
pupilled
pupilless
pupillize
pupillometer
pupillometrics
pupillometry
pupillonian
pupilloscope
pupilloscopic
pupilloscopy
pupilmonger
pupils
pupipara
pupiparous
pupivora
pupivore
pupivorous
puplike
pupoid
pupped
puppet
puppet's
puppetdom
puppeteer
puppeteers
puppethead
puppethood
puppetish
puppetism
puppetize
puppetlike
puppetly
puppetman
puppetmaster
puppetries
puppetry
puppets
pup pied
pureblood
purebred
purebreds
pured
puredee
puree
pureed
pureeing
purees
purehearted
purely
pureness
purenesses
purer
purest
purey
puffle
pufled
pufler
puffles
pufling
puflings
purfly
purga
purgament
purgation
purgations
purgative
purgatively
purgatives
purgatorial
purgatorian
purgatories
purgatory
purge
purgeable
purged
purger
purgers
purgey
purges
purging
purgings
puri
purificant
purification
purifications
purificative
purificator
purificatory
purified
purifier
purifiers
purifies
puriform
purify
purifying
purim
purin
purine
purines
purins
puriri
puris
purism
purisms
purist
puristic
puristical
puristically
purists
puritan
puritandom
puritanic
puritanical
puritanically
puritanicalness
puritanism
puritanize
puritanlike
puritano
puritans
purities
purity
purkinjean
purl
purled
purler
purlhouse
purlicide
purlicides
purlieu
purlieuman
purlieumen
purlieus
purlin
purlines
purling
purlins
purlman
purlin
purloined
purloiner
purloiners
purlaining
purloins
purls
purohepatitis
purohit
purolymph
puromucous
puromycin
purpart
purparty
purpense
purpie
purple
purpled
purpleheart
purplelip
purplely
purpleness
purpler
puples
purplescent
purpest
purplewood
purplewort
purpliness
purpling
purplish
purplishness
purply
purport
purported
purportedly
purporter
purporters
purportes
purporting
purportively
purportless
purports
pushfully
pushfulness
pushier
pushiest
pushily
pushiness
pushing
pushingly
pushingness
pushmina
pushmobile
pushout
pushover
pushovers
pushpin
pushpins
pushrod
pushtu
pushum
pushup
pushups
pushwainling
pushy
pusill
pusillanimity
pusillanimous
pusillanimously
pusillanimousness
pusley
pusleys
puslike
puss
pusscat
pusses
pussier
pussies
pussiest
pussiness
pussley
pussleys
pusslies
puslike
pussly
pussy
pussycat
pussycats
pussyfoot
pussyfooted
pussyfooter
pussyfooting
pussyfootism
pussyfoots
pussytoe
pustulant
pustular
pustulate
pustulated
pustulating
pustulation
pustulatous
pustule
pustuled
pustulelike
pustules
pustuliform
pustulose
pustulous
puszta
put
putage
putain
putamen
putamina
putaminous
putanism
putation
putationary
putative
putatively
putback
putchen
putcher
putchuk
putdown
putdowns
puteal
putelee
puteli
puter
puther
puthery
putid
putidly
putidness
puting
putlock
putlog
putter
puttered
putterer
putterers
puttering
putteringly
putters
putti
puttie
puttied
puttier
puttiers
putties
putting
putto
puttock
puttoo
puts
putty
puttyblower
puttyhead
puttyhearted
puttying
puttylike
puttyroot
puttywork
puture
putz
puxy
puy
puya
puzzle
puzzlaction
puzzled
puzzledly
puzzledness
puzzledom
puzzlehead
puzzleheaded
puzzleheadedly
puzzleheadedness
puzzleman
puzzlement
puzzlepate
puzzlepated
puzzlepatedness
puzzler
puzzlers
pygmyism
pygmyisms
pygmyship
pygmyweed
pygobranchiate
pygofer
pygopagus
pygopod
pygopodine
pygopodous
pygostyle
pygostyled
pygostylos
pyic
pyin
pyins
pyjama
pyjamaed
pyjamas
pyke
pyknatom
pyknic
pyknics
pyknotic
pyla
pylagore
pylangial
pylangium
pylar
pylephlebitic
pylephlebitis
pylethrombophlebitis
pylethrombosis
pylic
pylon
pylons
pyloralgia
pylorectomies
pylorectomy
pylori
pyloric
pyloristenosis
pyloritis
pylorocleisis
pylorodilator
pylorogastrectomy
pyloroplasty
pyloroptosis
pyloroschesis
pyloroscirrhus
pyloroscopy
pylorospasm
pylorostenosis
pylorostomy
pylorous
pylorouses
pylorus
pyloruses
pynot
pynunc
pyobacillosis
pyocele
pyoctanin
pyoctanine
pyocyanase
pyocyanin
pyocyst
pyocyte
pyoderma
pyodermas
pyodermatitis
pyodermatosis
pyodermia
pyodermic
pyogenesis
pyogenetic
pyogenic
pyogenin
pyogenous
pyohemothorax
pyoid
pyolabyrinthitis
pyolymph
pyometra
pyometritis
pyonephritis
pyonephrosis
pyonephrotic
pyongyang
pyopericarditis
pyopericardium
pyoperitoneum
pyoperitonitis
pyophagia
pyophthalmia
pyophthalmitis
pyophylactic
dyoplania
dyopneumocholecystitis
dyopneumocyst
dyopneumopericardium
dyopneumoperitoneum
dyopneumoperitonitis
dyopneumothorax
dyopoiesis
dyopoietic
dyophtysis
dyorrhea
dyorrheal
dyorrheas
dyorrheic
dyorrhoa
dyorrhoal
dyorrhoeic
dyosalpingitis
dyosalpinx
dyosepticemia
dyosepticemic
dyoses
dyosis
dyospermia
pyotherpy
pyotherpy
pyotoxingemia
pyoureter
pyovesiculosis
pyoxanthose
pyr
pyracanth
pyracantha
pyracene
pyravgravure
pyral
pyralid
pyralidan
pyralidid
pyralidiform
pyralids
pyralis
pyraloid
pyramid
pyramid's
pyramidaire
pyramidal
pyrenee
pyrenees
pyrenematous
pyrenes
pyrench
pyrenin
pyrenocarp
pyrenocarpic
pyrenocarpous
pyrenodean
pyrenodeine
pyrenodeous
pyrenoid
pyrenoids
pyrenolichen
pyrenomycete
pyrenomycetous
pyres
pyrethrin
pyrethrine
pyrethroid
pyrethrum
pyretic
pyreticosis
pyretogenesis
pyretogenetic
pyretogenic
pyretogenous
pyretography
pyretologist
pyretology
pyretolysis
pyretotherapy
pyrewinkes
pyrex
pyrexia
pyrexial
pyrexias
pyrexic
pyrexical
pyrgeometer
pyrgocephalic
pyrgocephaly
pyrgoidal
pyrgologist
pyrgom
pyrhiometer
pyrhiometric
pyrhieliometry
pyrhieliophor
pyrbole
pyric
pyridazine
pyridic
pyridine
pyridines
pyridinium
pyridinize
pyridone
pyridoxal
pyridoxamine
pyridoxin
pyridoxine
pyridyl
pyriform
pyriformis
pyrimethamine
pyrimidin
pyrimidine
pyrimidyl
pyritaceous
pyrite
pyrites
pyritic
pyritical
pyritiferous
pyritization
pyritize
pyritohedral
pyritohedron
pyritoid
pyritology
pyritous
pyro
pyroacetic
pyroacid
pyroantimonate
pyroantimonic
pyroarsenate
pyroarsenic
pyroarsenious
pyroarsenite
pyroballogy
pyrobelonite
pyrobi
pyrobitumen
pyrobituminous
pyroborate
pyroboric
pyrocatechin
pyrocatechinol
pyrocatechol
pyrocatechuic
pyrocellulose
pyrochemical
pyrochemically
pyrochlore
pyrochromate
pyrochromic
pyrocinchonic
pyrocitric
pyroclastic
pyrocoll
pyrocollodion
pyrocomenic
pyrocondensation
pyroconductivity
pyrocotton
pyrocrystraline
pyroelectric
pyroelectricity
pyrogallate
pyrogalllic
pyrogallol
pyrogen
pyrogenation
pyrogenesia
pyrogenesis
pyrogenetic
pyrogenetically
pyrogenic
pyrogenicity
pyrogenous
pyrogens
pyrogentic
pyroglazier
pyroglutamic
pyrognomic
pyrognostic
pyrognostics
pyrograph
pyrographer
pyrographic
pyrographies
pyrography
pyrogravure
pyroguaiacin
pyroheliometer
pyroid
pyrola
pyrolaceous
pyrolas
pyrolater
pyrolatry
pyroligneous
pyrolignic
pyrolignite
pyrolignous
pyroline
pyrolite
pyrolological
pyrological
pyrologies
pyrologist
pyrology
pyrolusite
pyrolysate
pyrolyse
pyrolysis
pyrolytic
pyrolytically
pyrolyzable
pyrolyzate
pyrolyze
pyrolyzed
pyrolyzer
pyrolyzes
pyrolyzing
pyromachy
pyromagnetic
pyromancer
pyromancy
pyromania
pyromaniac
pyromaniacal
pyromaniacs
pyromantic
pyromeconic
pyromellitic
pyrometallurgical
pyrometallurgy
pyrometamorphic
pyrometamorphism
pyrometer
pyrometers
pyrometric
pyrometrical
pyrometrically
pyrometry
pyromorphism
pyromorphite
pyromorphous
pyromotor
pyromucate
pyromucic
pyromucyl
pyronaphtha
pyrone
pyrones
pyronine
pyronines
pyroninophilic
pyronomics
pyronyxis
pyrope
pyropen
pyropes
pyrophanite
pyrophanous
pyrophile
pyrophilia
pyrophilous
pyrophobia
pyrophone
pyrophoric
pyrophorous
pyrophorus
pyrophosphate
pyrophosphatic
pyrophosphoric
pyrophosphorous
pyrophotograph
pyrophotography
pyrophotometer
pyrophyllite
pyrophysalite
pyropuncture
pyropus
pyroracemate
pyroracemic
pyroscope
pyroscopy
pyrosis
pyrosises
pyrosmalite
pyrosome
pyrosomoid
pyrosphere
pyrostat
pyrostats
pyro stereotype
pyrostilpnite
pyrosulfate
pyrosulfuric
pyrosulphate
pyrosulphite
pyrosulphuric
pyrosulphuryl
pyrotantalate
pyrotartaric
pyrotartrate
pyrotechnian
pyrotechnic
pyrotechnical
pyrotechnically
pyrotechnician
pyrotechnics
pyrotechnist
pyrotechny
pyroterebic
pyrotheology
pyrotic
pyrotoxin
pyrotitaric
pyrotitartric
pyrouric
pyrovanadate
pyrovanadic
pyroxanthin
pyroxene
pyroxenes
pyroxenic
pyroxenite
pyroxenitic
pyroxenoid
pyroxmangite
pyroxonium
pyroxyle
pyroxylene
pyroxylic
pyroxylin
pyroxyline
pyrrha
pyrthic
pyrrhichian
pyrrhichius
pyrrhicist
pyrrhics
pyrrhonian
pyrrhonic
pyrrhonism
pyrrhotine
pyrrhotism
pyrrhotist
pyrrhotite
pyrrhous
pyrrhuloxia
pyrrhus
pyrrodiazo
pyrrol
pyrrole
pyrroles
pyrrolic
pyrrolidine
pyrrolidone
pyrrolidyl
pyrroline
pyrrols
pyrrolylene
pyrrophyllin
pyrroporphyrin
pyrrotriazole
pyrroyl
pyrryl
pyrrylene
pyruline
pyruloid
pyrus
pyruvaldehyde
pyruvate
pyruvates
pyruvic
pyruvil
pyruvyl
pyruwl
pyrylium
quab
quabird
quachil
quack
quacked
quackeries
quackery
quackhood
quackier
quackiest
quacking
quackish
quackishly
quackishness
quackism
quackisms
quackle
quacks
quacksalver
quackster
quacky
quad
quadded
quadding
quaddle
quader
quadle
quadmeter
quadplex
quadplexes
quadra
quadrable
quadrae
quadragenarian
quadragenarious
quadragesima
quadragesimal
quadragintesimal
quadral
quadrangle
quadrangled
quadrangles
quadrangular
quadrangularly
quadrangularness
quadrangulate
quadrangled
quadrans
quadrant
quadrant's
quadrantal
quadrantes
quadrantile
quadrantlike
quadrantly
quadrants
quadraphonic
quadraphonics
quadrat
quadrate
quadrated
quadrateness
quadrates
quadratic
quadratical
quadratically
quadratics
quadratiferous
quadrating
quadratojugal
quadratomandibular
quadrator
quadratosquamosal
quadratrix
quadrats
quadratum
quadrature
quadrature's
quadratures
quadratus
quadrauricular
quadrel
quadrella
quadrennia
quadrennial
quadrennially
quadrennials
quadrennium
quadrenniums
quadriad
quadrialate
quadriannulate
quadriarticulate
quadriarticulated
quadribasic
quadric
quadricapsular
quadricapsulate
quadricarinate
quadricellular
quadricentennial
quadricentennials
quadriceps
quadricepses
quadrichord
quadriciliate
quadricinium
quadricipital
quadricone
quadricorn
quadricornous
quadricostate
quadricotyledonous
quadricovariant
quadricrescentic
quadricrescentoid
quadrics
quadricuspid
quadricuspidal
quadricuspidate
quadricycle
quadricycler
quadricyclist
quadridentate
quadridentated
quadriderivative
quadridigitate
quadriennial
quadriennum
quadriennumutile
quadrifarious
quadrifariously
quadrididal
quadrifilar
quadrifocal
quadrifolial
quadrifoliate
quadrifoliolate
quadrifolious
quadrifolium
quadriform
quadrifrons
quadrifrontal
quadrifurcate
quadrifurcated
quadrifurcation
quadriga
quadrigaled
quadrigae
quadrigamist
quadrigate
quadrigati
quadrigatus
quadrigeminal
quadrigeminate
quadrigeminous
quadrigeminum
quadrigenarious
quadriglandular
quadrihybrid
quadrijugal
quadrijugate
quadrijugous
quadrilaminar
quadrilaminate
quadrilateral
quadrilaterally
quadrilateralness
quadrilaterals
quadrililingual
quadriliteral
quadririle
quadriilled
quadriilles
quadriilling
quadriillion
quadriillions
quadriillionth
quadriillionths
quadrilobate
quadrilobed
quadrilocular
quadriloculate
quadrilogue
quadrioogy
quadrimembral
quadrimetallic
quadrimolecular
quadrimum
quadrin
quadrine
quadrinodal
quadrinomial
quadrinomical
quadrinominal
quadrinucleate
quadrioxalate
quadriparous
quadripartite
quadripartitely
quadripartition
quadripennate
quadriphonic
quadrophosphate
quadriphyllous
quadripinnate
quadriplanar
quadriplegia
quadriplegic
quadriplicate
quadriplicated
quadripolar
quadripole
quadriportico
quadriporticus
quadripulmonary
quadriquadric
quadriradiate
quadrirame
quadrisect
quadrisected
quadrisection
quadrisepate
quadriserial
quadrisetose
quadrispiral
quadristearate
quadrisulcate
quadrisulcated
quadrisulphide
quadrisyllabic
quadrisyllabical
quadrisyllable
quadristernate
quadriti
quadritubercular
quadrituberculate
quadriurate
quadrigalvanence
quadruplicature
quadruplicity
quadrupling
quadruply
quadrupole
quads
quae
quaedam
quære
quaeres
quaesita
quaesitum
quaestio
quaestiones
quaestor
quaestorial
quaestorian
quaestors
quaestorship
quaestuary
quaff
quaffed
quaffer
quaffers
quaffing
quaffingly
quaffs
quag
quagga
quaggas
quaggier
quaggiest
quagginess
quaggle
quaggy
quagmire
quagmire's
quagmired
quagmires
quagmirier
quagmiriest
quagmiry
quags
quahaug
quahaugs
quahog
quahogs
quai
quaich
quaiches
quaichs
quaife
quaigh
quaighs
quail
quail's
quailberry
quailed
quaileries
quailery
quailhead
quailing
quaillike
quails
quaily
quaint
quaintance
quainter
quaintest
quaintise
quaintish
quaintly
quaintness
quais
quake
quaked
quakeful
quakeproof
quaker
quakerbird
quakerism
quakers
quakes
quaketail
quakier
quakiest
quakily
quakiness
quaking
quakingly
quaky
qual
quale
qualia
qualifiable
qualification
quandy
quango
quangos
quannet
quant
quanta
quantal
quanted
quanti
quantic
quantical
quantics
quanties
quantifiability
quantifiable
quantifiably
quantification
quantifications
quantified
quantifier
quantifiers
quantifies
quantify
quantifying
quantile
quantiles
quantimeter
quanting
quantitate
quantitation
quantitative
quantitatively
quantitativeness
quantitied
quantities
quantitive
quantitively
quantitiveness
quantity
quantity’s
quantivalence
quantivalence
quantivalency
quantivalent
quantizable
quantization
quantize
quantized
quantizer
quartziferous
quartzite
quartzitic
quartzless
quartzoid
quartzose
quartzous
quartzy
quasar
quasars
quash
quashed
quashee
quasher
quashers
quashes
quashey
quashing
quashy
quasi
quasicontinuous
quasijudicial
quasimodo
quasiorder
quasiparticle
quasiperiodic
quasistationary
quaskies
quasky
quasquicentennial
quass
quassation
quassative
quasses
quassia
quassias
quassiin
quassin
quassins
quat
quata
quatch
quate
quatenus
quatercentenary
quaterion
quatern
quaternal
quaternarian
quaternaries
quaternarius
quaternary
quaternate
quaternion
quaternionic
quaternionist
quaternitarian
quaternities
quaternity
quateron
quaters
quatertenses
quatorzain
quatorze
quatorzes
quatrain
quatrails
quatral
quatrayle
quatre
quatreble
quatrefeuille
quatrefoil
quatrefoiled
quatrefoils
quatrefoliated
quatres
quatrible
quatrin
quatrino
quatrocenism
quatrocenist
quatrocento
quattie
quattrini
quattrino
quattno
quattno
quattno
quattno
quattno
quattno
cuantuordecillion
quattuordecillionth
quatty
quatuor
quatuarvirate
quaук
quave
quaver
quavered
quaverer
quaverers
quavering
quaveringly
quaverous
quavers
quavery
quaverymavery
quaviver
quaw
quawk
quay
quayage
quayages
quayed
quayful
quaying
quaylike
quayman
quays
quayside
quaysider
quaysides
qubba
que
queach
queachier
queachiest
queachy
queak
queal
quean
queanish
queanlike
queans
quease
queasier
queasiest
queasily
queasiness
queasom
queasy
queazen
queazier
queaziest
queazy
quebec
quebrachamine
quebrachine
quebrachite
quebrachitol
quebracho
quebrada
quebradilla
quebrith
quechua
qedful
qedly
qedness
qedship
queechy
queen
queen's
queencake
queencraft
queencup
queendom
queened
queenfish
queenfishes
queenhood
queening
queenite
queenless
queenlet
queenlier
queenliest
queenlike
queenliness
queenly
queenright
queenroot
queens
queensberries
queensberry
queenship
queensware
queenweed
queenwood
queer
queered
queerer
queerest
queerling
queerish
queerishness
queerity
queerly
queerness
queers
queersome
queery
queest
queue
queg
quei
queing
queintise
quelch
quelite
quell
quellable
quelled
queller
quellers
quelling
quello
quells
quellung
quelme
quelquechose
quelt
quem
quemado
queme
quemeful
quemefully
quemely
quench
quenchable
quenchableness
quenched
quencher
quenchers
quenches
quenching
quenchless
quenchlessly
quenchlessness
quenda
quenelle
quenelles
querystone
querre
quersprung
querulant
querulation
querulent
querulential
querulist
querulity
querulosity
querulous
querulously
querulousness
query
querying
queryingly
queryist
ques
quesal
quesited
quesitive
quest
quested
quester
questers
questeur
questful
questhouse
questing
questingly
question
questionability
questionable
questionableness
questionably
questionaries
questionary
questioned
questionee
questioner
questioners
questioning
questioningly
questionings
questionist
questionle
questionless
questionlessly
questionlessness
questionnaire
questionnaire's
questionnaires
questionous
questions
questionwise
questman
questmen
questmonger
questor
questorial
questors
questorship
questrist
quests
quet
quetch
quetenite
quethe
quetsch
quetzal
quetzalcoatl
quetzales
quetzals
queue
queued
queueing
queue
queuer
queuers
queues
queuing
quey
queys
quezal
quezales
quezals
qui
quia
quiapo
quiaquia
quib
quibble
quibbled
quibbleproof
quibbler
quibblers
quibbles
quibbling
quibblingly
quiblet
quibus
quica
quiche
quiches
quick
quickbeam
quickborn
quicked
quicken
quickenance
quickenbeam
quickened
quickener
quickening
quickens
quicker
quickest
quickfoot
quickhatch
quickhearted
quickie
quickies
quicking
quicklime
quickly
quickness
quicks
quicksand
quicksands
quicksandy
quickset
quicksets
quickside
quicksilver
quicksilvering
quicksilverish
quicksilverishness
quicksilvery
quickstep
quicksteps
quickthorn
quickwater
quickwittedness
quickwork
quid
quiets
quietsome
quietude
quietudes
quietus
quietuses
quiff
quiffing
quiffs
quinaceous
quila
quilate
quileces
quiles
quileses
quilez
quilisma
quilkin
quill
quillai
quillaia
quillaiaes
quillaic
quillaic
quillaja
quillajas
quillajic
quillback
quillbacks
quilled
quiller
quilet
quilleted
quillets
quillfish
quillfishes
quilling
quillity
quillon
quills
quilltail
quillwork
quillwort
quilly
quilt
quilted
quilter
quilters
quilting
quiltings
quilts
quim
quin
quina
quinacrine
quinaldic
quinaldin
quinaldine
quinaldineic
quinaldinium
quinaldyl
quinamicin
quinamicine
quinamidin
quinamidine
quinamin
quinamine
quinanarii
quinanisole
quinaquina
quinarian
quinaries
quinarii
quinarius
quinary
quinas
quinate
quinatoxin
quinatoxine
quinazolin
quinazoline
quinazolyl
quince
quincentenary
quincentennial
quinces
quinewort
quinch
quincies
quincubital
quincubitalism
quincucial
quincucially
quinex
quincuxes
quincuxial
quincy
quindecad
quindecagon
quindecangle
quindecaplet
quindecasyllabic
quindecemvir
quindecemvirate
quindecemviri
quindecennial
quindecillion
quindecillionth
quindecim
quindecima
quindecimvir
quindecylic
quinene
quinela
quinelas
quinella
quinellas
quinet
quinetum
quingentenary
quinhydrone
quinia
quinible
quinic
quinicin
quinicine
quinidia
quinidin
quinidine
quiniola
quinielas
quinin
quinina
quininas
quine
quines
quininiatization
quininic
quininism
quininize
quinins
quiniretin
quinisext
quinisextine
quinism
quinite
quinitol
quinizarin
quinize
quink
quinnat
quinnats
quinnet
quinoa
quinoas
quinocarbonium
quinoform
quinogen
quinoid
quinoidal
quinoidation
quinoidin
quinoidine
quinoids
quinol
quinolas
quinolin
quinoline
quinolnic
quinolinium
quinolins
quinolinyl
quinologist
quinology
quinols
quinolyl
quinometry
quinon
quinone
quinonedimine
quinones
quinonic
quinonimin
quinonimine
quinonization
quinonize
quinonoid
quinonyl
quinopyrin
quinotannic
quinotoxine
quinova
quinquepartition
quinquepedal
quinquepedalian
quinquepetaloid
quinquepunctal
quinquepunctate
quinqueradial
quinqueradiate
quinquereme
quinquertium
quinquesect
quinquesection
quinquesepata
te
quinqueserial
quinqueseriate
quinquesyllabic
quinquesyllable
quinquetubercular
quinquetuberculate
quinquevalence
quinquevalency
quinquevalent
quinquevalve
quinquevalvous
quinquevalvular
quinqueverbal
quinqueverbial
quinquevir
quinquevirate
quinquevirs
quinquilateral
quinquina
quinquino
quinquivalent
quins
quinse
quinsied
quinsies
quinsy
quinsyberries
quinsyberry
quinsywort
qint
quinta
quintad
quintadene
quintadene
quintain
quintains
quintal
quintals
quintan
quintans
quintant
quintar
quintars
quintary
quintaten
quintato
quinte
quintefoil
quintelement
quintennial
quinternion
quinteron
quinteroon
quintes
quintescence
quintessence
quintessential
quintessentiality
quintessentially
quintessentiate
quintet
quintets
quintette
quintetto
quintfoil
quintic
quintics
quintile
quintiles
quintillion
quintillions
quintillionth
quintillionths
quintin
quintins
quintiped
quinto
quintocubital
quintocubitalism
quinteole
quinton
quintons
quintroon
quints
quintuple
quintupled
quintuples
quintuplet
quintuplets
quintuplicate
quintuplicated
quintuplication
quintuplinerved
quintupling
quintupliribbed
quintus
quinua
quinuclidine
quinyie
quinyl
quinzaine
quinze
quinzieme
quip
quipful
quipo
quippe
quipped
quipper
quipping
quippish
quippishness
quippu
quippus
quippy
quips
quipsome
quipsomeness
quipster
quipsters
quipu
quipus
quira
quircal
quire
quired
quires
quirewise
quirinal
quirinca
quiring
quiritarian
quiritary
quirk
quirked
quirkier
quirkiest
quirkily
quirkiness
quirking
quirkish
quirks
quirkey
quirl
quirquincho
quirt
quirted
quirting
quirts
quis
quisby
quiscos
quisle
quisler
quisling
quislingism
quislingistic
quislings
quisqueite
quisquilian
quisquiliary
quisquilious
quisquous
quist
quistiti
quistron
quisutsch
quit
quistantie
quitch
quitches
quitclaim
quitclaiming
quitclaimed
quitclaims
<table>
<thead>
<tr>
<th>quokka</th>
<th>quokkas</th>
<th>quominus</th>
</tr>
</thead>
<tbody>
<tr>
<td>quomodo</td>
<td>quomodos</td>
<td>quondam</td>
</tr>
<tr>
<td>quondamly</td>
<td>quondamship</td>
<td>quoniam</td>
</tr>
<tr>
<td>quonking</td>
<td>quonset</td>
<td>quop</td>
</tr>
<tr>
<td>quor</td>
<td>quorum</td>
<td>quorums</td>
</tr>
<tr>
<td>quos</td>
<td>quot</td>
<td>quota</td>
</tr>
<tr>
<td>quota's</td>
<td>quotability</td>
<td>quotable</td>
</tr>
<tr>
<td>quotableness</td>
<td>quotably</td>
<td>quotas</td>
</tr>
<tr>
<td>quotation</td>
<td>quotation's</td>
<td>quotational</td>
</tr>
<tr>
<td>quotationally</td>
<td>quotationist</td>
<td>quotations</td>
</tr>
<tr>
<td>quotative</td>
<td>quote</td>
<td>quoted</td>
</tr>
<tr>
<td>quotee</td>
<td>quoteless</td>
<td>quotennial</td>
</tr>
<tr>
<td>quoters</td>
<td>quotes</td>
<td>quoteworthy</td>
</tr>
<tr>
<td>quotes</td>
<td>quoteworthy</td>
<td>quoth</td>
</tr>
<tr>
<td>quotetha</td>
<td>quotid</td>
<td>quotidian</td>
</tr>
<tr>
<td>quotidianly</td>
<td>quotidianness</td>
<td>quotient</td>
</tr>
<tr>
<td>quotients</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
rabbindom
rabinic
rabbínical
rabbínically
rabbínism
rabbínist
rabbínistic
rabbínistical
rabbínite
rabbínitic
rabbínize
rabbins
rabbínship
rabbis
rabbish
rabbiship
rabbit
rabbit’s
rabbitberries
rabbitberry
rabbed
rabbiter
rabbities
rabbiteye
rabbitfish
rabbitfishes
rabbithearted
rabbiting
rabbitlike
rabbitmouth
rabbitoh
rabbitproof
rabbitries
rabbitroot
rabbitry
rabbits
rabbitskin
rabbitweed
rabbitwise
rabbitwood
rabbity
rable
rabbled
rabblike
rabblemement
rabbleproof
rabbler
rabbler
racehorse
racehorses
racelike
raceline
racemase
racemate
racemates
racemation
raceme
racemed
racemes
racemic
racemiferous
racemiform
racemism
racemisms
racemization
racemize
racemized
racemizes
racemizing
racemocarbonate
racemocarbonic
racemoid
racemomethylene
racemose
racemosely
racemous
racemously
racemule
racemulose
raceplate
racer
racers
racerunner
races
racetrack
racetracker
racetracks
racette
raceway
raceways
rach
rache
raches
rachet
rachets
rachial
rachialgia
rachialgic
rachianalgesia
rachianesthesia
rachicentesis
rachides
rachidial
rachidian
rachiform
rachiglossate
rachigraph
rachilla
rachillae
rachiocentesis
rachiococainize
rachiocyphosis
rachiodont
rachiodynia
rachiometer
rachiomyelitis
rachioparalysis
rachioplegia
rachioscoliosis
rachirotome
rachiotomy
rachipagus
rachis
rachischisis
rachises
rachitic
rachitides
rachitis
rachitism
rachitogenic
rachirotome
rachitomous
rachitomy
racial
racialism
racialist
racialistic
racialists
raciality
racialization
racialize
racially
racier
raciest
radiable
radiably
radiac
radial
radiale
radialia
radialis
radiality
radialization
radialize
radially
radials
radian
radiance
radiances
radiancies
radiancy
radians
radiant
radiantly
radiantness
radiants
radiary
radiate
radiated
radiately
radiateness
radiates
radiatics
radiatiform
radiating
radiation
radiational
radiationless
radiations
radiative
radiatopatent
radiatoporous
radiator
radiator's
radiators
radiatory
radiatostriate
radiatosulcate
radiature
radiatus
radical
radicalism
radicality
radicalization
radicalize
radicalized
radicalizes
radicalizing
radically
radicalness
radicals
radicand
radicands
radicant
radicate
radicated
radicates
radicating
radication
radicel
radicels
radices
radicicola
radicicolous
radiciferous
radiciflorous
radiciform
radicivorous
radicle
radicles
radicolous
radicose
radicula
radicular
radicule
radiculectomy
radiculectomy
radiculitis
radiculose
radidii
radidii
radiearectomy
radient
radiascent
radiesthesia
radiferous
radii
radio
radioacoustics
radioactinium
radiodontics
radiodontist
radiodynamic
radiodynamics
radioecological
radioecologist
radioecology
radioed
radioelement
radiofrequency
radiogenic
radiogoniometer
radiogoniometric
radiogoniometry
radiogram
radiograms
radiograph
radiographer
radiographic
radiographical
radiographically
radiographies
radiographs
radiography
radiohumeral
radioing
radioiodine
radioiron
radioisotope
radioisotopes
radioisotopic
radioisotopically
radiolabel
radiolaria
radiolarian
radiolead
radiolite
radiolitic
radiolocation
radiolocator
radiolocators
radiologic
radiological
radiologically
radiologies
radiologist
radiologists
radiology
radiolucence
radiolucencies
radiolucency
radiolucent
radioluminescence
radioluminescent
radiolysis
radiolytic
radioman
radiomedial
radiomen
radiometallography
radiometeorograph
radiometer
radiometers
radiometric
radiometrically
radiometries
radiometry
radiomicrometer
radiomicrophone
radiomimetic
radiomobile
radiomovies
radiomuscular
radion
radionecrosis
radioneuritis
radionic
radionics
radionuclide
radiopacity
radiopalmar
radiopaque
radioparent
radiopathology
radiopelvimetry
radiophare
radiopharmaceutical
radiophone
radiophones
radiophonic
radiophony
radiophosphorus
radiophoto
radiophotogram
radiophotograph
radiophotography
radiophysics
radiopotassium
radiopraxis
radioprotection
radioprotective
radiorays
radios
radioscope
radioscopic
radioscopical
radioscopy
radiosensibility
radiosensitive
radiosensitivities
radiosensitivity
radiosodium
radiosonde
radiosondes
radiosonic
radiostereoscopy
radiosterilization
radiosterilize
radiosterilized
radiostrontium
radiosurgeries
radiosurgery
radiosurgical
radiosymmetrical
radiotechnology
radiotelegram
radiotelegraph
radiotelegrapher
radiotelegraphic
radiotelegraphically
radiotelegraphs
radiotelegraphy
radiotelemetric
radiotelemetries
radiotelemetry
radiotelephone
radiotelephoned
radiotelephones
radiotelephonic
radiotelephoning
radiotelephony
radioteletype
radioteria
radiothallium
radiotherapeutic
radiotherapeutics
radiotherapeutist
radiotherapies
radiotherapist
radiotherapists
radiotherapy
radiothermy
radiothorium
radiotoxemia
radiotoxic
radiotracer
radiotransparency
radiotransparent
radiotrician
radiotropic
radiotropism
radius
radioov
radiovision
radish
radish's
radishes
radishlike
radium
radiumization
radiumize
radiumlike
radiumproof
radians
radiumtherapy
radius
radiuses
radix
radixes
radknight
radly
radman
radome
radomes
radon
radons
rads
radsimir
radula
radulae
radular
radulas
ragamuffin
ragamuffinism
ragamuffinly
ragamuffins
ragas
ragazze
ragbag
ragbags
ragbolt
rage
raged
ragee
ragees
rageful
ragefully
rageless
rageous
rageously
rageousness
rageproof
rager
ragery
rages
ragesome
ragfish
ragfishes
ragged
raggeder
raggedest
raggedly
raggedness
raggedy
raggee
ragger
raggery
raggety
raggies
raggil
raggily
ragging
raggle
raggled
raggles
raggy
raghouse
ragi
raging
ragingly
ragis
raglan
raglanite
raglans
raglet
raglin
ragman
ragmen
ragnarok
ragondin
ragout
ragouted
ragouting
ragouts
rappicker
rags
ragseller
ragshag
ragsorter
ragstone
ragtag
ragtags
ragtime
ragtimer
ragtimes
ragtimey
ragule
raguly
ragusye
ragweed
ragweeds
ragwork
ragworm
ragwort
ragworts
rah
rahdar
rahdaree
rahdari
raia
raias
raid
raided
raider
raiders
raiding
raidproof
raids
raiiform
rail
railage
railbird
railbirds
railcar
railed
railer
railers
railhead
railheads
railing
railingly
railings
railleries
railery
railless
railleur
raillike
railly
railman
railmen
railriding
railroad
railroadana
railroaded
railroader
railroaders
railroadiana
railroading
railroadish
railroads
railroadship
rails
railside
railway
railway's
railwaydom
railwayed
railwayless
railwayman
railways
raiment
raimented
raimentless
raiments
rain
rainband
rainbands
rainbird
rainbirds
rainbound
rainbow
rainbowlike
rainbows
rainbowweed
rainbowy
rainburst
raincheck
raincoat
raincoat's
raincoats
raindrop
raindrop's
raindrops
rained
rainer
raines
rainfall
rainfalls
rainforest
rainfowl
rainful
rainier
rainiest
rainily
raininess
raining
rainless
rainlessness
rainlight
rainmaker
rainmakers
rainmaking
rainout
rainouts
rainproof
rainproofer
rains
rainspout
rainsquall
rainstorm
rainstorms
raintight
rainwash
rainwashes
rakehelly  rakeley  rakeoff  rakeoffs  raker  rakers  rakery  rakes  rakeshame  rakesteel  rakestele  rakh  raki  rakija  rakily  raking  rakingly  rakis  rakish  rakishly  rakishness  rakit  rakshasa  raku  rale  rales  ralish  rall  rallentando  rallery  ralliance  rallied  rallier  ralliers  rallies  ralliform  ralline  rally  rallycross  rallye  rallyes  rallying  rallyings  rallyist  rallyists  rallymaster  ralph  rals
ralstonite
ram
ram's
ramack
ramada
ramadan
ramage
ramaism
ramal
ramanas
ramarama
ramark
ramass
ramate
rambarre
rambeh
ramberge
rambla
ramble
rambled
rambler
ramblers
rambles
rambling
ramblingly
ramblingness
ramblings
rambong
rambooze
rambouillet
rambunctious
rambunctiously
rambunctiousness
rambure
rambutan
rambutans
ramdohrite
rame
rameal
ramean
ramed
ramee
ramees
ramekin
ramekins
ramellose
rament
ramenta
ramentaceous
ramental
ramentiferous
ramentum
rameous
ramequin
ramequins
ramessid
ramet
ramets
ramex
ramfeezled
ramforce
ramgunshoch
ramhead
ramhood
ram
ramicorn
ramie
ramies
ramiferous
ramificate
ramification
ramification's
ramifications
ramified
ramifies
ramiflorous
ramiform
ramify
ramifying
ramigerous
ramilie
ramilies
ramillie
ramillies
ramiparous
ramisection
ramisection
ramisectomy
ramism
ramist
ramjet
ramjets
ramlike
ramline
rammack
rammage
rammass
ramulus
ramus
ramuscule
ramverse
ran
rana
ranal
ranaria
ranarian
ranarium
rance
rancel
rancellor
rancelman
rancelmen
rancer
rances
rancescent
ranch
ranche
ranched
rancher
rancheria
rancherie
ranchero
rancheros
ranchers
ranches
ranching
ranchless
ranchlike
ranchman
ranchmen
rancho
ranchos
ranchwoman
rancid
rancidification
rancified
rancidify
rancidifying
rancidities
rancidity
rancidly
rancidness
rancio
rancor
rancored
rancorous
rancorously
rancorousness
rancorproof
rancors
rancour
rancours
rand
randall
randan
randannite
randans
randem
rander
randers
randie
randier
randies
randiest
randiness
randing
randir
randle
randn
random
randomish
randomization
randomize
randomized
randomizer
randomizes
randomizing
randomly
randomness
randoms
randomwise
randon
randori
rands
randy
rane
ranee
ranees
ranforce
rang
rangale
rangatira
rangdoodles
range
ranged
rangefinder
rangeheads
rangeland
rangelands
rangeless
rangeman
rangemen
ranger
rangers
rangership
ranges
rangework
rangey
rangier
rangiest
rangiferine
ranginess
ranging
rangle
rangler
rangoon
rangpur
rangy
rani
ranid
ranids
raniferous
raniform
ranine
raninian
ranis
ranivorous
rank
ranked
ranker
ranker's
rankers
rankest
ranket
rankett
rankine
ranking
ranking's
rankings
rankish
rankle
rankled
rankles
rankless
rankling
ranklingly
rankly
rankness
ranknesses
ranks
ranksman
ranksmen
rankwise
ranli
rann
rannel
rannigal
ranny
ranomer
ranomers
ranpike
ranpikes
ransack
ransacked
ransacker
ransackers
ransacking
ransackle
ransacks
ransel
ranselman
ranselmen
ranses
ranseur
ransom
ransomable
ransomed
ransomer
ransomers
ransomfree
ransoming
ransomless
ransoms
ransstead
rant
rantan
rantankerous
ranted
rantepole
ranter
ranters
ranting
rantingly
rantipole
rantism
rantize
rantock
rantoon
rantree
rants
ranty
ranula
ranular
ranulas
ranunculaceous
ranunculi
ranunculus
ranunculuses
raob
rap
rap’s
rapaceus
rapacious
rapaciously
rapaciousness
rapacities
rapacity
rapakivi
rapateaceous
rape
raped
rapeful
rapely
rapeoil
raper
rapers
rapes
rapeseed
rapeseeds
rapeye
raphae
raphael
raphaelesque
raphania
raphanus
raphany
raphe
raphes
raphia
raphias
raphide
raphides
raphidiferous
raphidiid
raphis
raphus
rapic
rapid
rapidamente
rapide
rapider
rapidest
rapidities
rapidity
rapidly
rapidness
rapido
rapids
rapier
rapiered
rippers
rapilli
rapillo
rapine
rapiner
rapines
raping
rapinic
rapist
rapists
raploch
rapport
rappage
rapparee
rapparees
rappe
rapped
rappee
rappees
rappel
rappeling
rappelled
rappelling
rappels
rappen
rascallion
rascally
rascalry
rascals
rascalship
rascasse
rasceta
rascette
rase
rased
rasen
raser
rasers
rases
rasgado
rash
rashbuss
rasher
rashers
rashes
rashest
rashful
rashing
rashlike
rashly
rashness
rashnesses
rasing
raison
raskolnik
rasoir
rason
rasophore
rasorial
rasour
rasp
raspatorium
raspatory
rasberriaide
rasberries
raspberry
raspberrylike
rasped
raper
raspers
rasper
raspiest
raspiness
rasping
raspingly
raspingness
raspings
raspis
raspish
raspite
rasps
raspy
rassasy
rasse
rassle
rassled
rassles
rassling
rastafarian
rastafarianism
raster
rasters
rastik
raste
rastled
rastling
rasty
rasure
rasures
rat
rat's
rata
ratability
ratable
ratableness
ratably
ratafee
ratafees
ratafia
ratafias
ratal
ratals
ratan
ratanhia
ratanies
ratans
ratany
rataplan
rataplanned
rataplanning
rataplans
ratatat
ratatats
ratatouille
ratbag
ratbaggery
ratbite
ratcatcher
ratcatching
ratch
ratchel
ratchelly
ratcher
raches
ratchet
ratchetlike
ratchets
ratchety
ratching
rachment
rate
rateability
rateable
rateableness
rateably
rated
rateen
ratel
rateless
ratels
ratement
ratemeter
ratepayer
ratepaying
rater
ratero
raters
rates
ratfink
ratfinks
ratfish
ratfishes
rath
ratha
rathe
rathed
rathely
ratheness
rather
rationale
rationale's
rationales
rationalisation
rationalise
rationalised
rationaliser
rationalising
rationalism
rationalist
rationalistic
rationalistical
rationalistically
rationalisticism
rationalists
rationalities
rationality
rationalizable
rationalization
rationalizations
rationalize
rationalized
rationalizer
rationalizers
rationalizes
rationalizing
rationally
rationalness
rationals
rationate
rationed
rationing
rationless
rationment
rations
ratios
ratite
ratites
ratitinous
ratiuncle
ratlike
ratlin
ratline
ratliner
ratlines
ratlins
rato
ratoon
rattleheaded
rattlejack
rattlemouse
rattlenut
rattlepate
rattlepated
rattlepod
rattleproof
rattler
rattleran
rattleroot
rattlers
rattlertree
rattles
rattleskull
rattleskulled
rattlesnake
rattlesnake's
rattlesnakes
rattlesome
rattletrap
rattletraps
rattlelybang
rattleweed
ratterwort
rattling
rattlingly
rattlingness
rattlings
ratty
ratton
rattoner
rattons
rattoon
rattooned
rattooning
rattoons
rattrap
rattraps
rattus
ratty
ratwa
ratwood
raucid
raucidity
raucities
raucity
raucorous
ravelproof
ravels
raven
ravendom
ravenduck
ravened
ravener
raveners
ravenhood
ravening
raveningly
ravenings
ravennish
ravenlike
ravenling
ravenous
ravenously
ravenousness
ravenry
ravens
ravensara
ravenstone
ravenwise
raver
ravers
ravery
raves
ravigote
ravigotes
ravin
ravinate
ravine
ravine's
ravined
ravinement
ravines
raviney
raving
ravingly
ravings
ravining
ravins
ravioli
raviolis
ravish
ravished
ravishedly
ravisher
ravishers
ravishes
ravishing
ravishingly
ravishingness
ravishment
ravishments
ravison
ravissant
raw
rawbone
rawboned
rawbones
rawer
rawest
rawhead
rawhide
rawhided
rawhider
rawhides
rawhiding
rawin
rawing
rawinsonde
rawish
rawishness
rawky
rawly
rawness
rawnesses
rawnie
raws
rax
raxed
raxes
raxing
ray
ray’s
raya
rayage
rayah
rayahs
rayas
rayat
rayed
rayful
raygrass
raygrasses
razzing
razzle
razzly
razzmatazz
rbound
rc
rcd
rchaff
rchitect
rclame
rcpt
rc
cvr
rd
re
rea
reaal
reabandon
reabandoned
reabandoning
reabandons
reabbreviate
reabbreviated
reabbreviates
reabbreviating
reable
reabolish
reabolition
reabridge
reabridged
rebridging
reabsence
reabsent
reabsolve
reabsorb
reabsorbed
reabsorbing
reabsorbs
reabsorption
reabuse
reaccede
reacceded
reaccedes
reaccelerating
reaccelerated
reaccent
reactional
reactionally
reactionaries
reactionariness
reactionarism
reactionarist
reactionary
reactionary's
reactionaryism
reactionism
reactionist
reactions
reactivate
reactivated
reactivates
reactivating
reactivation
reactivator
reactive
reactively
reactiveness
reactivities
reactivity
reactological
reactology
reactor
reactor's
reactors
reacts
reactualization
reactualize
reactuate
reactuainance
read
readability
readable
readableness
readably
readapt
readaptability
readaptable
readaptation
readapted
readaptiness
readapting
readaptive
readaptiveness
readapts
readl
readmeasurement
readminister
readmiration
readmire
readmission
readmissions
readmit
readmits
readmittance
readmitted
readmitting
readopt
readopted
readopting
readoption
readopts
readorn
readorned
readorning
readornment
readorns
readout
readout's
readouts
reads
readvance
readvancement
readvent
readventure
readvertency
readvertise
readvertised
readvertisement
readvertising
readvertize
readvertized
readvertizing
readvise
readvised
readvising
readvocate
readvocated
readvocating
readvocation
ready
readying
readymade
reaeration
reaffect
reaffection
reaffiliate
reaffiliated
reaffiliating
reaffiliation
reaffirm
reaffirmance
reaffirmation
reaffirmations
reaffirmed
reaffirmer
reaffirming
reaffirms
reaffix
reaffixed
reaffixes
reaffixing
reafflict
reafford
reafforest
reafforestation
reaffront
reaffusion
reagan
reaganomics
reagency
reagent
reagents
reaggravate
reaggravation
reaggregate
reaggregated
reaggregating
reaggregation
reaggressive
reagin
reaginic
reaginically
reagins
reagitate
reagitated
reagitating
reagitation
reagree
reagreement
reak
realty
ream
reamage
reamalgamate
reamalgamated
reamalgamating
reamalgamation
reamass
reamassment
reambitious
reamed
reamend
reamendment
reamer
reamerer
reamers
reaminess
reaming
reamputation
reams
reamuse
reamy
reanalyses
reanalysis
reanalyzable
reanalyze
reanalyzed
reanalyzely
reanalyze
reanalyzing
reanchor
reanimalize
reanimate
reanimated
reanimates
reanimating
reanimation
reanimations
reanneal
reannex
reannexation
reannexed
reannexes
reannexing
reannotate
reannotated
reannotating
reannotation
reared
trearer
rearers
rearguard
reargue
reargued
reargues
rearguing
reargument
rearhorse
rearrii
rearing
rearisal
rearise
rearisen
rearising
rearling
rearily
rearm
rearmament
rearmed
rearmice
rearming
rearmost
rearmouse
rearms
rearose
rearousal
rearouse
rearoused
rearouses
rearousing
rearrange
rearrangeable
rearranged
rearrangement
rearrangement's
rearrangements
rearranger
rearranges
rearranging
rearray
rearrest
rearrested
rearresting
rearrests
reararrival
rearrive
reassail
reassailed
reassailing
reassails
reassault
reassay
reassemblage
reassemble
reassembled
reassembles
reasembles
reassembling
reassemblage
reassemby
reassent
reassert
reasserted
reasserting
reassertion
reassertor
reasserts
reassess
reassessed
reasses
reassessing
reassessing
reassessmnet's
reassessments
reasseverate
reassign
reassignation
reassigned
reassigning
reassignment
reassignment's
reassignments
reassigns
reassimilate
reassimilated
reassimilates
reassimilating
reassimilation
reassist
reassistance
reassociate
reassociated
reassociating
reassociation
reassert
reassort
reassorted
reassorting
reassortment
reassortments
reassorts
reassume
reassumed
reassumes
reassuming
reassumption
reassumptions
reassurance
reassurances
reassure
reassured
reassuredly
reassurement
reassurer
reassures
reassuring
reassuringly
reast
reastiness
reastonish
reastonishment
reastray
reasty
reasy
reata
reatas
reattach
reatachable
reattached
reattaches
reattaching
reattachment
reattachments
reatack
reattacked
reatacking
reatacks
reattain
reattained
reattaining
reattainment
reattains
reattempt
reattempted
reattempting
reattempts
reattend
reattendance
reattention
reattentive
reattest
reattire
reattired
reattiring
reattract
reattraction
reattribute
reattribution
reatus
reaudit
reaudition
reaumur
reaute
reauthenticate
reauthenticated
reauthenticateing
reauthentication
reauthorization
reauthorize
reauthorized
reauthorizing
reavail
reavailable
reave
reaved
reaver
reavers
reavery
reaves
reaving
reavoid
reavoidance
reavouch
reasolve
reavow
reavowal
reavowed
reavowing
reavows
reawait
reawake
reawaked
reawaken
rebind
rebinding
rebinds
rebirth
rebirths
rebite
reblade
reblame
reblast
rebleach
reblend
reblended
rebless
reblist
reblock
rebloom
rebloomed
reblooming
reblooms
reblossom
reblot
reblow
reblown
reblue
rebluff
reblunder
reboant
reboantic
reboard
reboarded
reboarding
reboards
reboast
reboation
rebob
reboil
reboiled
reboiler
reboiling
reboils
reboise
reboisement
reboke
rebold
rebolera
rebolt
rebone
rebook
reboot
rebooted
rebooting
reboots
rebop
rebops
rebore
reborn
reborrow
rebosa
reboso
rebosos
rebote
rebottle
rebounce
rebound
reboundable
reboundant
rebounced
rebounder
rebouncing
rebounding
reboundingness
rebounds
rebourownize
rebox
rebozo
rebozos
rebrace
rebraced
rebracing
reraid
rebranch
rebranched
rebranches
rebranching
rebrand
rebrandish
rebreathe
rebred
rebreed
rebreeding
rebrew
rebride
rebrick
rebridge
rebrighten
rebring
rebringer
rebroach
rebroadcast
rebroadcasted
rebroadcasting
rebroadcasts
rebroaden
rebroadened
rebroadening
rebroadens
rebronze
rebrown
rebrush
rebrutalize
rebs
rebubble
rebuckle
rebuckled
rebuckling
rebud
rebudget
rebudgeted
rebudgeting
rebuff
rebuffable
rebuffably
rebuffed
rebuffet
rebuffing
rebuffproof
rebuffs
rebuild
rebuilded
rebuilder
rebuilding
rebuids
rebuilt
rebukable
rebuke
rebukeable
rebuked
rebukeful
rebukefully
rebukefulness
rebukeproof
rebuker
rebukers
rebukes
rebukiing
rebukingly
rebulk
rebunch
rebundle
rebunker
rebuoy
rebuoyage
reburden
reburgeon
reburial
reburials
reburied
reburies
reburn
reburnish
reburse
reburse
reburst
rebury
reburying
rebus
rebused
rebuses
rebush
rebusing
rebusty
rebut
rebut
rebutment
rebuts
rebuttable
rebuttably
rebuttal
rebuttals
rebuttoed
rebutter
rebutters
rebutting
rebutton
rebuttoned
rebuttoning
rebuttons
rebuy
rebuying
rec
rec’d
recable
recabled
recabling
recanceling
recancellation
recandescence
recandidacy
recane
recaned
recanes
recaning
recant
recantation
recantations
recanted
recanter
recanters
recanting
recantingly
recants
recanvas
recap
recapacitate
recapitalization
recapitalize
recapitalized
recapitalizes
recapitalizing
recapitulate
recapitulated
recapitulates
recapitulating
recapitulation
recapitulationist
recapitulations
recapitulative
recapitulator
recapitulatory
recappable
recapped
recapper
recapping
recaps
reception
recaptivate
recaptivation
recaptor
recapture
recaptured
recapturer
recaptures
recapturing
recarbon
recarbonate
recarbonation
recarbonization
recarbonize
recarbonizer
recarburization
recarburize
recarburizer
recarbonifer
recarpet
recarriage
recarried
recarrier
recarries
recarry
recarrying
recart
recarve
recarved
recarving
recase
recash
recasket
recast
recaster
recasting
recasts
recatalog
recatalogue
recatalogued
recataloguing
recatch
recategorize
recategorized
recategorizing
recaucle
cence
recausticize
recaution
recce
recche
recchose
recchosen
recco
reccy
recd
recede
recenter
recentest
recently
recentness
recentralization
recentralize
recentralized
recentralizing
recentre
recept
receptacle
receptacle's
receptacles
receptacula
receptacular
receptacle
receptacle's
receptacles
receptacula
receptacular
receptaculite
receptaculitid
receptaculitoid
receptaculum
receptant
receptary
receptibility
receptible
reception
reception's
receptionism
receptionist
receptionists
receptionreck
receptions
receptitious
receptive
receptively
receptiveness
receptivity
receptor
receptorial
receptorial
receptors
recepts
receptual
receptually
recercele
recercelee
recertificate
recertification
recertified
recertify
recertifying
recess
recessed
recesser
recesses
recessing
recession
recessional
recessionals
recessionary
recessions
recessive
recessively
recessiveness
recesslike
recessor
rechabite
rechafe
rechain
rechal
rechallenge
rechallenged
rechallenging
rechamber
rechange
rechanged
rechanges
rechanging
rechannel
rechanneled
rechanneling
rechannelling
rechant
rechaos
rechar
recharge
rechargeable
recharged
recharger
recharges
recharging
rechart
recharted
recharter
rechartered
rechartering
recharters
recharting
recipiangle
recipiatur
recipience
recipieny
recipiend
recipiendary
recipiendum
recipient
recipient's
recipients
recipiomotor
reciprocable
reciprocal
reciprocality
reciprocalse
reciprocally
reciprocalness
reciprocals
reciprocant
reciprocantive
reciprocate
reciprocated
reciprocates
reciprocating
reciprocation
reciprocatist
reciprocative
reciprocator
reciprocatory
reciprocitarian
reciprocities
reciprocity
reciproque
recircle
recircled
recircles
recircling
recirculate
recirculated
recirculates
recirculating
recirculation
recirculations
recession
recessions
recission
recessory
recit
recitable
recital
recital's
recitalist
recitalists
recitals
recitando
recitatif
recitation
recitation's
recitationalism
recitationist
recitations
recitative
recitatively
recitatives
recitativi
recitatival
recitativo
recitativos
recite
recited
recitement
reciter
reciters
recites
reciting
recivilization
recivilize
reck
recked
recking
reckla
reckless
recklessly
recklessness
reckling
reckon
reckonable
reckoned
reckoner
reckoners
reckoning
reckonings
reckons
recks
reclad
reclaim
recoding
recogitate
recognition
recognisable
recognise
recognised
recogniser
recognising
recognition
recognition's
recognitions
recognitive
recognitor
recognitory
recognizability
recognizable
recognizably
recognizance
recognizant
recognize
recognized
recognizedly
recognizee
recognizer
recognizers
recognizes
recognizing
recognizingly
recognizor
recognosce
recohabitation
recoil
recoiled
recoiler
recoilers
recoiling
recoilingly
recoilless
recoilment
recoils
recoin
recoinage
recoined
recoiner
recoining
recoins
recoke
recollapse
recollate
recollation
recollect
recollectable
recollected
recollectedly
recollectedness
recollectible
recollecting
recollection
recollection's
recollections
recollective
recollectively
recollectiveness
recollects
recollet
recolonisation
recolonise
recolonised
recolonising
recolonization
recolonize
recolonized
recolonizes
recolonizing
recolor
recoloration
recolored
recoloring
recolors
recolour
recolouration
recomb
recombed
recombinant
recombination
recombinational
recombinations
recombine
recombined
recombines
recombining
recombs
recomemember
recomfort
recommand
recommence
recommenced
recommencement
recommencer
recommences
recommencing
recommend
recommendability
recommendable
recommendableness
recommendably
recommendation
recommendation's
recommendations
recommendative
recommendatory
recommended
recommendeep
recommender
recommenders
recommending
recommends
recommission
recommissioned
recommissioning
recommissions
recommit
recommiting
committement
recommits
recommittal
recommitted
recommitting
recommunicate
recommunion
recompact
recompare
recompared
recomparing
recomparison
recompact
recompel
recompence
recompensable
recompensate
recompensated
recompensating
recompensation
recompensatory
recompense
recompensed
recompenser
recompenses
recompensing
recompensive
recompete
recompetition
recompetitor
recompilation
recompilations
recompile
recompiled
recompilement
recompiles
recompiling
recomplain
recomplaint
recomplete
recompletion
recompliance
recomplicate
recomplication
recomply
recompose
recomposed
recomposer
recomposes
recomposing
recomposition
recompound
recompounded
recompounding
recompounds
recomprehend
recomprehension
recompress
recompression
recomputation
recompute
recomputed
recomputes
recomputing
recon
reconceal
reconcealment
reconfusing
reconfusion
recongeal
recongelation
recongest
recongestion
recongratulate
recongratulation
reconjoin
reconjunction
reconnaissance
reconnaissances
reconnect
reconnected
reconnecting
reconnection
reconnects
reconnaissance
reconnoiter
reconnoitered
reconnoiterer
reconnoitering
reconnoiteringly
reconnoiters
reconnoitre
reconnoitred
reconnoitrer
reconnoitring
reconnoitringly
reconquer
reconquered
reconquering
reconqueror
reconquers
reconquest
recons
reconsecrate
reconsecrated
reconsecrates
reconsecrating
reconsecration
reconsecrations
reconsent
reconsider
reconsideration
reconsidered
reconsidering
reconsiders
reconsign
reconsigned
reconsigning
reconsignment
reconsigns
reconsole
reconsoled
reconsolidate
reconsolidated
reconsolidates
reconsolidating
reconsolidation
reconsolidations
reconsoling
reconstituent
reconstitute
reconstituted
reconstitutes
reconstituting
reconstitution
reconstruct
reconstructed
reconstructible
reconstructing
reconstruction
reconstructional
reconstructionary
reconstructionism
reconstructionist
reconstructions
reconstructive
reconstructively
reconstructiveness
reconstructor
reconstructs
reconstrue
reconsult
reconsultation
recontact
recontamination
recontemplate
recontemplated
recontemplating
recontemplation
recontend
reconter
recontest
recontested
recooked
recooking
recooks
recool
recooper
recopied
recopies
recopilation
recopper
recopy
recopying
recopyright
record
recordable
recordance
recordant
recordation
recordative
recordatively
recordatory
recorded
recordedly
recorder
recorders
recordership
recording
recordings
recordist
recordists
recordless
records
recordsizen
recork
recoronation
recorporification
recorporify
recorrect
reccorrection
recorrupt
recorruption
recost
recostume
recostumed
recostuming
recounsel
recounseling
recount
recrayed
recrance
recreancy
recreant
recreantly
recreativeness
recreants
increase
recreatable
recreate
recreated
recreates
recreating
recreation
recreational
recreationally
recreationist
recreations
recreative
recreatively
recreativeness
recreator
recreatory
recredentialed
recredit
recrement
recremental
recremential
recrementitious
recrescence
recrow
recriminate
recriminated
recriminates
recriminating
recrimination
recriminations
recriminative
recriminator
recriminatory
recriticize
recriticized
recriticizing
recroon
recrop
recross
recrossed
recrosses
recultivation
recumb
recumbence
recumbencies
recumbency
recumbent
recumbently
recuperability
recuperance
recuperate
recuperated
recuperates
recuperating
recuperation
recuperative
recuperativeness
recuperator
recuperatory
recuperet
recur
recure
recureful
recureless
recurl
recurred
recurrence
recurrence's
recurrences
recurrency
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recurse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
recursively
recursiveness
recurrent
recurrently
recurrer
recurring
recurringly
recurs
recursant
recuse
recursed
recurses
recursing
recursion
recursion's
recursions
recursive
tend
recurvaria
recurvate
recurvated
recurvation
recurvature
recurve
reurved
recurses
recurring
recurvirostral
recurvity
recurropatent
recurvoternate
recurvous
recusal
recusance
recusancy
recusant
recusants
recusation
recusative
recusator
recuse
recused
recuses
recusf
recushion
recusing
reccession
recut
recuts
recutting
recyclability
recyclable
recycle
recycled
recycles
recycling
red
redact
redacted
redacteur
redacting
redaction
redactional
redactor
redactorial
redactors
redacts
redamage
redamaged
redamaging
redamation
redame
redamnation
redan
redans
redare
redared
redargue
redargued
redargues
redarguing
redargution
redargutive
redargutory
redaring
redarken
redarn
redart
redate
redated
redates
redating
redaub
redawn
redback
redbait
redbaited
redbaiting
redbaits
redbay
redbays
redbeard
redbelly
redberry
redbill
redbird
redbirds
redbone
redbones
redbreast
redbreasts
redbrick
redbricks
redbrush
redecay
redeceive
redeceived
redeceiving
redeide
redeided
redeiding
redeciate
redeccimate
redecision
redeck
redeclaration
redeclare
redeclared
redeclares
redeclaring
redecline
redeclined
redeclining
redecorate
redecorated
redecorates
redecorating
redecoration
redecorator
redecrease
redecessate
reded
rededicate
rededicated
rededicates
rededicating
rededication
rededicator
rededuct
rededuction
reedeed
redeem
redeemability
redeemable
redeemableness
redeemably
redeemed
redeemedness
redeemer
redeemeress
redeemers
redeemership
redeeming
redemanding
redemands
redemise
redemised
redemising
redemolish
redemonstrate
redemonstrated
redemonstrates
redemonstrating
redemonstration
redemptible
redemption
redemotional
redemptioner
redemptionless
redemptions
redeptive
redemptively
redemptor
redemptorial
redemptorist
redemptory
redemptress
redemptrice
redenial
redened
redenies
redenigrate
redeny
redenyng
redepend
redeploy
redeployed
redeploying
redeployment
redeployqs
redeposit
redeposited
redepositing
redeposition
redeposits
redepreciate
redepreciated
redepreciating
redepreciation
redeprive
rederivation
redes
redescend
redescent
redescribe
redescribed
redescribes
redescribing
redescription
redesert
redesertion
redeserve
redesign
redesignate
redesignated
redesignating
redesignation
redesigned
redesigning
redesigns
redesire
redesirous
redesman
redespise
redetect
redetention
redetermination
redetermine
redetermined
redetermines
redeterminable
redetermining
redevable
redevelop
redeveloped
redeveloper
redevelopers
redeveloping
redevelopment
redevelopments
redevelops
redevise
redevote
redevotion
redeye
redeyes
redfield
redfin
redfinch
redfins
redfish
redfishes
redfoot
redhandedness
redhead
redheaded
redheadedly
redheadedness
redheads
redheart
redhearted
rehabilitation
redhibitory
redhoop
redhorse
redhorses
redia
rediae
redial
redias
redicate
redictated
redictating
rediction
redid
redient
redifferentiate
redifferentiated
redifferentiating
redifferentiation
rediffuse
rediffused
rediffusing
rediffusion
redig
redigest
redistinguished
redigesting
redigestion
redigests
redigitalize
redilate
redilated
redilating
redimension
redimensioned
redimensioning
redimensions
rediminish
reding
redingote
redintegrate
redintegrated
redintegrating
redintegration
redintegrative
redintegrator
redip
redipped
redipper
redipping
redips
redipt
redirect
redirected
redirecting
redirection
redirections
redirects
redisable
redisappear
redisburse
redisbursed
redisbursement
redisbursing
redischarge
redischarged
redischarging
rediscipline
redisciplined
redisciplining
rediscount
rediscountable
rediscounted
rediscounting
rediscounts
rediscourage
rediscover
rediscovered
rediscoverer
rediscoveries
rediscovering
rediscovers
rediscovery
rediscuss
redisussion
redisembark
redisinfect
redismiss
redismissal
redispatch
redispel
redispersal
redisperse
redispersed
redispersing
redisplay
redisplayed
redisplaying
redisplays
redispose
redisposed
redisposing
redisposition
redispute
redisputed
redisputing
redissect
redissection
redisseeise
redisseeisin
redisseeisor
redisseeize
redisseeizin
redisseeizor
redissoluble
redissolubleness
redissolubly
redissolution
redissolvable
redissolve
redissolved
redissolves
redissolving
redistend
redistill
redistillable
redistillableness
redistillabness
redistillation
redistilled
redistiller
redistilling
redoute
redouts
redowa
redowas
redux
redoxes
redpoll
redpolls
redraft
redrafted
redrafting
redrafts
redrag
redrape
redraw
redrawer
redrawerredrawers
redrawing
redrawn
redraws
redream
rededge
redress
redressable
redressal
redessed
redresser
redresses
redressible
redressing
redressive
redressless
redressment
redressor
redrew
redried
redries
redrill
redrilled
redrilling
redrills
redrive
redriven
redrives
redriving
redoop
redroot
redroots
redrove
redrug
redrugged
redragging
redry
redrying
reds
redsear
redshank
redshanks
redshire
redshirt
redshirted
redshirting
redshirts
redskin
redskins
redstart
redstarts
redstreak
redtab
redtail
redtapism
redthroat
redtop
redtops
redub
redubber
reduccion
reduce
reduceable
reduceableness
reduced
reducement
reducent
reducer
reducers
reduces
reducibilities
reducibility
reducible
reducibleness
reducibly
reducing
reduct
reductant
reductase
reductibility
reeledone
reeeler
reeelers
reelevate
reelevated
reelevating
reelevation
reeeligibility
reeeligible
reeeligibleness
reeeligibly
reeeling
reeelingly
reeelrall
reeels
reem
reemanate
reemanated
reemanating
reembarcation
reembark
reembarkation
reembarked
reembarking
reembarks
reembellish
reembodied
reembodies
reembodiment
reembody
reembodying
reembrace
reembraced
reembracing
reembroider
reemerge
reemerged
reemergence
reemergent
reemerges
reemerging
reemersion
reemigrate
reemigrated
reemigrating
reemigration
reeming
reemish
reemission
reemit
reemits
reemitted
reemitting
reemphases
reemphasis
reemphasize
reemphasized
reemphasizes
reemphasizing
reemploy
reemployed
reemploying
reemployment
reemploys
reen
reenable
reenabled
reenact
reenacted
reenacting
reenaction
reenactment
reenactments
reenacts
reenclose
reenclosed
reencloses
reenclosing
reencounter
reencountered
reencountering
reencounters
reencourage
reencouraged
reencouragement
reencouraging
reendorse
reendorsed
reendorsement
reendorsing
reendow
reendowed
reendowing
reendowment
reendows
reenergize
reenergized
reenergizing
reenforce
reenforced
reenforcement
reenforces
reenforcing
reengage
reengaged
reengagement
reengages
reengaging
reenge
reengrave
reengraved
reengraving
reengross
reenjoin
reens
ger
reens
large
reenlarged
reenlarged
reenlargement
reenlarges
reenlarging
reenlighted
reenlighten
reenlightened
reenlightening
reenlightenment
reenlightens
reenlist
reenlisted
reenlisting
reenlistment
reenlistments
reenlists
reenslave
reenslaved
reenslaving
reenslave
reenslaves
reenslaving
reenter
reenterable
reentered
reentering
reenters
reentrance
reentranced
reentrances
reentrancing
reentrancy
reentrant
reentries
reentry
reenumerate
reenumerated
reenumerating
reenumeration
reenunciate
reenunciated
reenunciating
reenunciation
reep
reequip
reequipped
reequipping
reequips
reequipt
reerect
reerected
reerecting
reerection
reerects
reerupt
reeruption
rees
reese
reeshie
reeshle
reesk
reesle
reest
reestablish
reestablished
reestablishes
reestablishing
reestablishment
reested
reester
reestimate
reestimated
reestimating
reexecuting
reexecution
reexercise
reexercised
reexercising
reexhibit
reexhibited
reexhibiting
reexhibition
reexhibits
reexpand
reexpansion
reexpel
reexpelled
reexpelling
reexpels
reexperience
reexperienced
reexperiencing
reexperiment
reexplain
reexplanation
reexplicate
reexplicated
reexplicating
reexplication
reexploration
reexplore
reexplored
reexploring
reexport
reexportation
reexported
reexporter
reexporting
reexports
reexpose
reexposed
reexposing
reexposition
reexposure
reexpress
reexpressed
reexpresses
reexpressing
reexpression
ref
refabricate
refabrication
reface
refaced
refaces
refacilitate
refacing
refaction
refait
refall
refallen
refalling
refallow
refalls
refamiliarization
refamiliarize
refamiliarized
refamiliarizing
refan
refascinate
refascination
refashion
refashioned
refashioner
refashioning
refashionment
refashions
refasten
refastened
refastening
refastens
refathered
refavor
refect
refected
refecting
refection
refectionary
refectioner
refective
refectorarian
refectorary
refectorer
refectorial
refectorian
refectories
refectory
refects
refilter
refiltered
refiltering
refilters
refinable
refinage
refinance
refinanced
refinances
refinancing
refind
refinding
refinds
refine
refined
refinedly
refinedness
refinement
refinement's
refinements
refiner
refineries
refiners
refinery
refines
refinger
refining
refiningly
refinish
refinished
refinisher
refinishes
refinishing
refire
refired
refires
refiring
refit
refitment
refits
refitted
refitting
refix
refixation
refixed
refixes
refixing
refixture
refl
reflag
reflagellate
reflair
reflame
reflash
reflate
reflated
reflates
reflating
reflation
reflationary
reflationism
reflect
reflectance
reflected
reflectedly
reflectedness
reflectent
reflector
reflectibility
reflectible
reflecting
reflectingly
reflection
reflection's
reflectional
reflectioning
reflectionist
reflectionless
reflections
reflective
reflectively
reflectiveness
reflectivity
reflectometer
reflectometry
reflector
reflector's
reflectorize
reflectorized
reflectorizing
refectors
reflectoscope
reflects
refledge
reflee
reflet
reflowers
reflowing
reflopped
reflopped
refluctuation
refluence
refluency
refluent
refluous
reflush
reflux
refluxed
refluxes
refluxing
refly
relying
refocillate
refocillation
refocus
refocussed
refocusses
refocussing
refold
refolded
refolding
refolds
refoment
refont
refool
refoot
reforbid
reforce
reford
reforecast
reforest
reforestation
reforestational
reforested
reforesting
reforestization
reforestize
reforestment
reforesting
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiture
reforfeiti
reforge
reforgeable
reforged
reformer
reforges
recoged
reforming
deformed
deformate
deformated
deformation
deformational
deformationary
deformationist
deformations
deformative
deformatively
deformativeness
deformatness
deformatories
deformatory
deformats
deformatted
deformatting
deformed
deformedly
deformer
deformeress
deformers
deforming
deformingly
deformism
deformist
deformistic
deformproof
deforms
deformulate
deformulated
deformulates
reformulating
reformulation
reformulations
reforsake
refortification
refortified
refortifies
refortify
refortifying
refoward
refought
refound
refoundation
refounded
refounder
refounding
refounds
refr
refract
refractable
refractary
refracted
refractedly
refractedness
refractile
refractility
refracting
refraction
refractive
refractively
refractiveness
refractivities
refractivity
refractometer
refractometric
refractometry
refractor
refractories
refractorily
refractoriness
refractors
refractory
refracts
refracturable
refracture
refractured
refractures
refracturing
refragability
refragable
refragableness
refragate
refrangent
refrangible
refrangible
refrangible
cold
refrangible
refrangerful
refrangerfully
refranging
refrangement
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refragent
refrantages
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refrangent
refragent
regenerable
regeneracy
regenerance
regenerant
regenerate
regenerated
regenerately
regenerateness
regenerates
regenerating
regeneration
regenerative
regeneratively
regenerator
regenerators
regenerator
regeneratory
regeneratoryregeneratress
regeneratress
regeneratrix
regenesis
regent
regent's
regental
regentess
regents
regentship
regerminate
regerminated
regerminated
regerminates
regerminating
regermination
regerminative
regerminatively
reges
regest
reget
reggae
regia
regian
regicidal
regicide
regicides
regicidism
regidor
regie
regift
regifuge
regild
regrading
regraduate
regraduation
regraft
regrafted
regrafting
regrafts
regrant
regranted
regranting
regrants
regraph
regrasp
regrass
regrate
regrated
regrater
regrates
regratification
regratify
regrating
regratingly
regrator
regratress
regravel
regrease
regreased
regreasing
regrede
regreen
regreet
regreeted
regreeting
regreets
regress
regressed
regresses
regressing
regression
regression's
regressionist
regressions
regressive
regressively
regressiveness
regressivity
regressor
regressors
regret
regrettable
regrettableness
regretably
regretful
regretfully
regretfulness
regretless
regretlessness
regrets
regrettable
regrettableness
regrettably
regretted
regretter
regretters
regretting
regrettingly
regrew
regrind
regrinder
regrinding
regrinds
regrip
regripped
regroove
regrooved
regrooves
regrooving
reground
regroup
regrouped
regrouping
regroupment
regroups
regrow
regrowing
regrown
regrows
regrowth
regrowths
regt
reguarantee
reguaranteed
reguaranteeing
reguaranties
reguaranty
reguard
regardeant
reguide
reguided
reguiding
regula
regulable
regular
regularise
regularities
regularity
regularization
regularize
regularized
regularizer
regularizes
regularizing
regularly
regularness
regulars
regulatable
regulate
regulated
regulates
regulating
regulation
regulationist
regulations
regulative
regulatively
regulator
regulator's
regulators
regulatorship
regulatory
regulatress
regulatris
reguli
reguline
regulize
regulus
reguluses
regur
regurge
regurgitant
regurgitate
regurgitated
regurgitates
regurgitating
regurgitation
regurgitations
regurgitative
regush
reh
rehabilitant
rehabilitate
rehabilitated
rehabilitates
rehabilitating
rehabilitation
rehabilitationist
rehabilitations
rehabilitative
rehabilitator
rehabilitatee
rehair
rehale
rehallow
rehammer
rehammered
rehammering
rehammers
reharding
rehandle
rehandled
rehandler
rehandles
rehandling
rehang
rehanged
rehanging
rehangs
rehappen
reharden
rehardened
rehardening
rehardens
reharm
reharmonization
reharmonize
reharmonized
reharmonizing
reharness
reharrow
reharvest
rehash
rehashed
rehashes
rehashing
rehaul
rehayte
rehazard
rehboc
rehead
reheal
reheap
rehear
reheard
rehearheard
rehearhearing
rehearing
rehearings
rehears
rehearsable
rehearsal
rehearsal's
rehearsals
rehearse
rehearsed
rehearer
rehearsers
rehearses
rehearsing
rehearten
reheat
reheated
reheater
reheaters
reheating
reheats
rehedge
reheel
reheeled
reheeling
reheels
reheighten
rehem
rehemmed
rehemming
rehems
rehete
rehid
rehidden
rehide
rehinge
rehinged
rehinges
rehinging
rehire
rehired
rehires
rehiring
rehoboam
rehoe
rehoint
rehollow
rehone
rehoned
rehoning
rehonor
rehonour
rehood
rehook
rehoop
rehospitalization
rehospitalize
rehospitalized
rehospitalizing
rehouse
rehoused
rehouses
rehousing
rehumanization
rehumanize
rehumanized
rehumanizing
rehumble
rehumiliate
rehumiliated
rehumiliating
rehumiliation
rehung
rehybridize
rehydratable
rehydrate
rehydrating
rehydration
rehypnotize
rehypnotized
rehypnotizing
rehypothecate
rehypothecating
reimage
reimaged
reimages
reimagination
reimagine
reimaging
reimbark
reimbarkation
reimbibe
reimbody
reimbursable
reimburse
reimburseable
reimbursed
reimbursement
reimbursement's
reimbursements
reimburser
reimburses
reimbursing
reimbush
reimbushment
reinkennar
reimmerge
reimmerse
reimmersion
reimmigrant
reimmigration
reimpact
reimpark
reimpart
reimpatriate
reimpatriation
reimpel
reimplant
reimplantation
reimplement
reimplemented
reimplied
reimply
reimplying
reimport
reimportation
reimported
reimporting
reimports
reimportune
reimpose
reimposed
reimposes
reimposing
reimposition
reimposure
reimpregnate
reimpregnated
reimpregnating
reimpress
reimpression
reimprint
reimprison
reimprisoned
reimprisoning
reimprisonment
reimprisons
reimprove
reimprovement
reimpulse
rein
reina
reinability
reinaugurate
reinaugurated
reinaugurating
reinauguration
reincapable
reincarnadine
reincarnate
reincarnated
reincarnates
reincarnating
reincarnation
reincarnationism
reincarnationist
reincarnationists
reincarnations
reincense
reincentive
reincidence
reincidency
reincite
reincited
reincites
reinciting
reinclination
reincline
reinclined
reinclining
reinclude
reincluded
reincluding
reinclusion
reincorporate
reincorporated
reincorporates
reincorporating
reincorporation
reincrease
reincreased
reincreasing
reincrudate
reincrudation
reinculcate
reincure
reincurred
reincurring
reincurs
reindebted
reindebtedness
reindeer
reindeers
reindependence
reindex
reindexed
reindexes
reindexing
reindicate
reindicated
reindicating
reindication
reindict
reindictment
reindifferent
reindoctrinate
reindoctrinated
reindoctrinating
reindoctrination
reindorse
reindorsed
reindorsement
reindorsing
reinduce
reinduced
reinducement
reinduces
reinforceable
reinforced
reinforcement
reinforcement's
reinforcements
reinforcer
reinforcers
reinforces
reinforcing
reinform
reinformed
reinforming
reinforms
reinfund
reinfuse
reinfused
reinfuses
reinfusing
reinfusion
reingraft
reingratriate
reingress
reinhabit
reinhabitation
reinherit
reining
reinitialize
reinitialized
reinitializes
reinitializing
reinitiate
reinitiation
reinject
reinjure
reinjured
reinjures
reinjuries
reinjuring
reinjury
reink
reinless
reinoculate
reinoculated
reinoculates
reinoculating
reinoculation
reinoculations
reinquire
reinquired
reinquiries
reinquiring
reinquiry
reins
reinsane
reinsanity
reinscribe
reinscribed
reinscribes
reinscribing
reinsert
reinserted
reinserting
reinsertion
reinserts
reinsist
reinsman
reinsmen
reinspect
reinspected
reinspecting
reinspection
reinspector
reinspects
reinsphere
reinspiration
reinspire
reinspired
reinspiring
reinspirit
reinstall
reinstallation
reinstallations
reinstalled
reinstalling
reinstallment
reinstallments
reinstalls
reinstalment
reinstate
reinstated
reinstatement
reinstatements
reinstates
reinstating
reinstation
reinstator
reinvestigations
reinvesting
reinvestiture
reinvestment
reinvests
reinvigorate
reinvigorated
reinvigorates
reinvigorating
reinvigoration
reinvigorator
reinvitation
reinvite
reinvited
reinvites
reinviting
reinvoice
reinvoke
reinvoked
reinvokes
reinvoking
reinvolve
reinvolved
reinvolvement
reinvolves
reinvolving
reirrigate
reirrigated
reirrigating
reirrigation
reis
reisner
reisolate
reisolated
reisolating
reisolation
reissuable
reissuably
reissue
reissued
reissuement
reissuer
reissuers
reissues
reissuing
reist
reister
reit
rejuvenated
rejuvenates
rejuvenating
rejuvenation
rejuvenations
rejuvenative
rejuvenator
rejuvenesce
rejuvenescence
rejuvenescent
rejuvenise
rejuvenised
rejuvenising
rejuvenize
rejuvenized
rejuvenizing
rekey
rekeyed
rekeying
rekeys
rekhti
rekick
rekill
rekindle
rekindled
rekindlement
rekindler
rekindles
rekindling
reking
rekinole
rekiss
reknead
reknit
reknits
reknitted
reknitting
reknock
reknot
reknotted
reknotting
reknow
rel
relabel
relabeled
relabeling
relabelled
relabelling
relabels
relace
relaced
relaces
relache
relacing
relacquer
relade
reladen
reladle
reladled
reladling
relaid
relais
relament
relamp
relance
relanced
relancing
reland
relap
relapper
relapsable
relapse
relapsed
relapseproof
relapser
relapser
relapses
relapsing
relast
relaster
relata
relatability
relatable
relatch
relate
related
relatedly
relatedness
relater
relaters
relates
relating
relatinization
relation
relational
relationality
relaxers
relaxes
relaxin
relaxing
relaxins
relay
relayed
relayer
relaying
relayman
relays
relbun
relead
releap
relearn
relearned
relearning
relearns
relearnt
releasability
releasable
releasably
release
released
releasee
releasement
releaser
releasers
releases
releasibility
releasible
releasing
releasor
releather
relection
relegable
relegate
relegated
relegates
relegating
relegation
releivo
releivos
relend
relending
relends
relent
relented
relic
relic's
relicary
relicense
relicensed
relicenses
relicensing
relick
reliclike
relicmonger
relics
relict
relictæ
relicted
relicti
relication
relicts
relide
relied
relief
reliever
reliefless
reliefs
relier
reliers
relies
reliable
relieve
relieved
relievedly
relievement
reliever
relievers
relieves
relieving
relievingly
relievo
relievos
relift
relig
religate
religation
relight
relightable
relighted
relighten
relightener
relighter
reliquefied
reliquefy
reliquefying
reliquies
reliquiae
reliquian
reliquiate
reliquidated
reliquidates
reliquidating
reliquidation
reliquism
relish
relishable
relished
relisher
relishes
relishing
relishingly
relishsome
relishy
relist
relisted
relisten
relisting
relists
relit
relitigate
relitigated
relitigating
relitigation
relivable
relive
relived
reliver
relives
reliving
reload
reloaded
reloader
reloaders
reloading
reloads
reloan
reloaned
reloaning
reloans
relocable
remanie
remanifest
remanifestation
remanipulate
remanipulation
remanned
remanning
remans
remantle
remanufacture
remanufactured
remanufacturer
remanufactures
remanufacturing
remanure
remap
remapped
remapping
remaps
remarch
remargin
remark
remarkability
remarkable
remarkableness
remarkably
remarked
remarkedly
remarker
remarkers
remarket
remarking
remarks
remarque
remarques
remarriage
remarriages
remarried
remarries
remarry
remarrying
remarshal
remarshaled
remarshaling
remarshalling
remask
remass
remast
remaster
remasteries
remastery
remasticate
remasticated
remasticating
remastication
rematch
rematched
rematches
rematching
rematerialization
rematerialize
rematerialized
rematerializing
rematriculate
rematriculated
rematriculating
remblai
remble
remblere
rembrandt
rembrandtesque
remeant
remeasure
remeasured
remeasurement
remeasurements
remeasures
remeasuring
remeede
remediability
remediable
remediableness
remediably
remedial
remedially
remediate
remediately
remediated
remediating
remediation
remedied
remedies
remeditless
remeditlessly
remeditlessness
remeditate
remeditation
remica
remicate
remication
remicle
remiform
remigate
remigration
remiges
remigial
remigrant
remigrate
remigrated
remigrates
remigrating
remigration
remigrations
remilitarization
remilitarize
remilitarized
remilitarizes
remilitarizing
remill
remillable
remimic
remind
remindal
reminded
reminder
reminders
remindful
reminding
remindingly
reminds
remineralization
remineralize
remingle
remingled
remingling
reminisce
reminisced
reminiscence
reminiscence's
reminiscenceful
reminiscencer
reminiscences
reminiscency
reminiscent
reminiscential
reminiscentially
reminiscently
reminiscer
reminisces
reminiscing
reminiscitory
remint
reminted
reminting
remints
remiped
remirror
remise
remised
remises
remising
remisrepresent
remisrepresentation
remiss
remissful
remissibility
remissible
remissibleness
remissibly
remission
remissions
remissive
remissively
remissiveness
remissly
remissiveness
remissory
remisunderstand
remit
remital
remittement
remits
remittable
remittal
remittals
remittance
remittancer
remittances
remitted
remittee
remittance
remittency
remittent
remittently
remitter
remitters
remitting
remittitur
remittor
remittors
remix
remixed
remixes
remixing
remixt
remixture
remnant
remnant's
remnantal
remnants
remobilization
remobilize
remobilized
remobilizing
remock
remodel
remodeled
remodeler
remodelers
remodeling
remodelled
remodeller
remodelling
remodelment
remodels
remodification
remodified
remodifies
remodify
remodifying
remodulate
remodulated
remodulating
remolade
remolades
remold
remolded
remolding
remolds
remollient
remollified
remollify
remollifying
remonetisation
remonetise
remonetised
remonetising
remonetization
remonetize
remonetized
remonetizes
remonetizing
remonetisation
remonetise
remonetised
remonetising
remonetization
remonetize
remonetizes
remonetizing
remonstrance
remonstrances
remonstrant
remonstrantly
remonstrate
remonstrated
remonstrates
remonstrating
remonstratingly
remonstration
remonstrations
remonstrative
remonstratively
remonstrator
remonstrators
remonstratory
remontado
remontant
remontoir
remontoire
remop
remora
remoras
remorate
remord
remore
remorid
remorse
remorseful
remorsefully
remorsefulness
remorseless
remorselessly
remorselessness
remorseproof
remorses
remortgage
rencontre
rencontres
renounter
rencountered
rencountering
renounters
renculus
rend
rended
rendement
render
renderable
rendered
renderer
renderers
rendering
renderings
renders
renderset
rendezvous
rendezvoused
rendezvouses
rendezvousing
rendibility
rendible
rendering
rendition
rendition's
renditions
rendlewood
rendoun
rendrock
reends
rendu
rendzina
rendzinas
renegae
renecessitate
reneg
renegad
renegaded
renegades
renegading
renegadism
renegado
renegados
renegados
renegate
renegated  
renegating  
renegation  
renege  
reneged  
reneger  
renegers  
reneges  
reneging  
reneglect  
renegotiable  
renegotiate  
renegotiated  
renegotiates  
renegotiating  
renegotiation  
renegotiations  
renegotiator  
renegue  
renerve  
renes  
renet  
renette  
reneutralize  
reneutralized  
reneutralizing  
renew  
renewability  
renewable  
renewably  
renewal  
renewals  
renewed  
renewedly  
renewedness  
renewer  
renewers  
renewing  
renewment  
renews  
renforce  
renega  
rengue  
renguera  
renicardiac  
renickel  
reniculus  
renidification
renone
renopericardial
renopulmonary
renormalization
renormalize
renormalized
renormalizing
renotarize
renotarized
renotarizing
renotation
renotice
renoticed
renotic
renotifying
renotification
renotified
renotifies
renotify
renotifying
renounce
renounceable
renounced
renouncement
renouncements
renouncer
renouncers
renounces
renouncing
renourish
renourishment
renovare
renovate
renovated
renovater
renovates
renovating
renovatingly
renovation
renovations
renovative
renovator
renovators
renovatory
renove
renovel
renovize
renown
renowned
renownedly
renownedness
renowner
renownful
renowning
renownless
renowns
rensselaerite
rent
rentability
rentable
rentage
rental
rental's
rentaler
rentaller
rentals
rente
rented
rentee
renter
renters
rentes
rentier
rentiers
renting
rentless
rentrant
rentrayeuse
rentree
rents
renule
renullification
renullified
renullify
renullifying
renumber
renumbered
renumbering
renumbers
renumerate
renumerated
renumerating
renumeration
renunciablc
renunciance
renunciant
renunciate
renunciation
renunciations
renunciative
renunciator
renunciatory
renunculus
renverse
renversement
renvoi
renvois
renvoy
renwick
reobject
reobjected
reobjecting
reobjectivization
reobjectivize
reobjects
reobligate
reobligated
reobligating
reobligation
reoblige
reobliged
reobliging
reobscure
reobservation
reobserve
reobserved
reobserving
reobtain
reobtainable
reobtained
reobtaining
reobtainment
reobtains
reoccasion
reoccupation
reoccupations
reoccupied
reoccupies
reoccupy
reoccupying
reoccur
reoccurred
reoccurrence
reoccurrences
reoccurring
rep
pace
pacification
pacificed
pacifies
pacific
pacificing
pack
package
packaged
packager
packages
packaging
packed
packer
packing
packs
pad
padded
padding
paganization
paganize
paganizer
page
paginate
paginated
paginates
paginating
pagination
paid
paint
painted
painting
paints
pair
pairability
pairable
pairableness
paired
pairer
pairers
pairing
pairman
pairmen
pairs
pale
pand
pandly
repandodentate
repandodenticulate
repandolobate
repandous
repandousness
repanel
repaneled
repaneling
repaper
repapered
repapering
repapers
reparability
reparable
reparably
reparagraph
reparate
reparation
reparation's
reparations
reparative
reparatory
reparel
repark
repart
repartable
repartake
repartee
reparteeist
repartees
reparticipate
reparticipation
repartition
repartitionable
repas
repass
repassable
repassage
repassant
repassed
repasser
repasses
repassing
repast
repast's
repaste
repasted
repasting
repasts
repasture
repatch
repatency
repatent
repatriable
repatriate
repatriated
repatriates
repatriating
repatriation
repatriations
repatrol
repatrolled
repatrolling
repatronize
repatronized
repatronizing
repattern
repave
repaved
repavement
repaves
repaving
repawn
repay
repayable
repayal
repayed
repaying
repayment
repayments
repays
repeal
repealability
repealable
repealableness
repealed
repealer
repealers
repealing
repealist
repealless
repeats
repeat
repeatability
repeatable
repeatable
repeated
repeatedly
repeater
repeaters
repeating
repeats
repechage
repeddle
repeddled
repeddling
repeg
repel
repellance
repellant
repellantly
repelled
repellence
repellency
repellent
repellently
repellents
repeller
repellers
repelling
repellingly
repellingness
reps
repen
repenalize
repenalized
repenalizing
repenetrate
repenned
repennig
repension
repent
repentable
repentance
repentant
repentantly
repented
repenter
repenters
repenting
repentingly
reps
repeople
repeopled
repeoples
repeopling
reperceive
reperceived
reperceiving
repercept
reperception
repercolation
repercuss
repercussion
repercussion's
repercussions
repercussive
repercussively
repercussiveness
repercussor
repercutient
reperforator
reperform
reperformance
reperfume
reperible
reperk
reperked
reperking
reperks
repermission
repermit
reperplex
repersonalization
repersonalize
repersuade
repersuasion
repertoire
repertoires
repertorial
repertories
repertorily
repertorium
repertory
reperusal
reperuse
reperused
reperusing
repetatively
repetend
repetends
repetitae
repetiteur
repetiteurs
repetition
repetition's
repetitional
repetitionary
repetitions
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephase
rephonate
replication
replication's
replicationary
replications
repetitious
repetitiously
repetitiousness
repetitive
repetitively
repetitiveness
repetitory
repertoire
repetticoat
repew
rephrase
rephrased
rephrases
rephrasing
repic
repick
repicture
repiece
repile
repin
repine
repined
repineful
repinement
repiner
repiners
repines
repining
repiningly
repinned
repinning
repins
repipe
repique
repiqued
repiquing
replod
replot
replotment
replotted
replotter
replotting
replough
replow
replowed
replotting
replum
replume
replumed
repluming
replunder
replunge
replunged
replunges
replunging
reply
replying
replyingly
repocket
repoint
repolarization
repolarize
repolarized
repolarizing
repolish
repolished
repolishes
repolishing
repoll
repollute
repolon
repolymerization
repolymerize
reponder
repondez
repone
repope
repopularization
repopularize
repopularized
repopularizing
repopulate
repopulated
repopulates
repopulating
repopulation
report
reportable
reportage
reportages
reported
reportedly
reporter
reporteress
reporterism
reporters
reportership
reporting
reportingly
reportion
reportorial
reportorially
reports
reposal
reposals
repose
reposed
reposedly
reposedness
reposeful
reposefully
reposefulness
reposer
reposers
reposes
reposing
reposit
repository
reposited
repositing
reposition
repositioned
repositioning
repositions
repositor
repositories
repository
repository's
reposits
reposoir
repossess
repossessed
repossesses
repossessing
repossession
repossessions
repossessor
repot
repostpone
repostponed
repostponing
repostulate
repostulated
repostulating
repostulation
reposure
repot
repound
repour
repoured
repouring
repours
repouss
repoussage
repousse
repousses
repower
repowered
repowering
repowers
repp
repped
repps
repr
repractice
repracticed
repracticing
repraise
repraised
repraising
repray
repreach
reprecipitate
reprecipitation
repredict
reprefer
reprehend
reprehendable
reprehendatory
reprehended
reprehender
reprehending
reprehends
reprehensibility
reprehensible
reprehensibleness
reprehensibly
reprehension
reprehensive
reprehensively
reprehensory
repremise
repremised
repremising
repreparation
reprepare
reprepared
repreparing
represcribe
represcribed
represcribing
represent
representability
representable
representably
representamen
representant
representation
representation's
representational
representationalism
representationalist
representationalistic
representationally
representationary
representations
representationism
representationist
representations
representative
representatively
representativeness
representatives
representativeship
representativity
represented
representee
representer
representing
representment
representor
represents
represside
repress
repressed
repressedly
repressor
represes
repressibilities
repressibility
represible
repressibly
repressing
repression
repression's
repressionary
repressionist
repressions
repressive
repressively
repressiveness
repressment
repressor
repressory
repressure
reprice
repriced
reprices
repricing
reprievable
reprieval
reprieve
reprieved
repriever
repriever
repriever
repriev
repriev
repriev
repriev
reprimand
reprimanded
reprimander
reprimanding
reprimandingly
reprimands
reprime
reprimed
reprimer
repriming
reprint
reprinted
reprinter
reprinting
reprintings
reprints
reprisal
reprisal's
reprisalist
reprisals
reprise
reprised
reprises
reprising
repristinate
repristination
reprivatization
reprivatize
reprivilege
repro
reproach
reproachability
reproachable
reproachableness
reproachably
reproached
reproacher
reproaches
reproachful
reproachfully
reproachfulness
reproaching
reproachingly
reproachless
reproachlessness
reprobacy
reprobance
reprobate
reprobated
reprobateness
reprobater
reprobates
reprobating
reprobation
reprobationary
reprobationer
reprobative
reprobatively
reprobator
reprobatory
reprobe
reprobed
reprobes
reprobing
reproceed
reprocess
reprocessed
reprocesses
reprocessing
reproclaim
reproclamation
reprocurable
reprocure
reproduce
reproduceable
reproduced
reproducer
reproducers
reproduces
reproducibilities
reproducibility
reproducible
reprodicibly
reproducing
reproduction
reproduction's
reproductionist
reproductions
reproductive
reproductively
reproductiveness
reproductivity
reproductory
reprofane
reprofess
reprofessor
reprogram
reprogrammed
reprogramming
reprograms
reprography
reprohibit
reproject
repromise
repromised
repromising
repromulgate
repromulgated
repromulgating
repromulgation
repronounce
repronunciation
reproof
reproofless
reproofs
repropagate
repropitiate
repropitiation
reproportion
reproposa
repropose
reproposed
reproposing
repros
reprosecute
reprosecuted
reprosecuting
reprosecution
reprosper
reprotect
reprotection
reprotest
reprovability
reprovable
reprovable
reprovableness
reprovably
reproval
reprovals
reprove
reproved
reprover
reprovers
reproves
reprovide
reproving
reprovingly
reprovision
reprovocation
reprovoke
reprune
repruned
repruning
republishment
repudative
repuddle
repudiable
repudiate
repudiated
repudiates
repudiating
repudiation
repudiationist
repudiations
repudiative
repudiator
repudiators
repudiatory
repuff
repugn
repugnable
repugnance
repugnancy
repugnant
repugnantly
repugnantness
repugnate
repugnatorial
repugned
repugner
repugning
repugns
repullulate
repullulation
repullulative
repullulescent
repulpit
repulse
repulsed
repulseless
repulseproof
repulser
repulsers
repulses
repulsing
repulsion
repulsions
repulsive
repulsively
repulsiveness
repulsor
requisitor
requisitorial
requisitory
requit
requitable
requital
requitals
requitative
requite
required
required
requireful
requireless
requirement
requirer
requirers
requites
requiting
requiz
requotation
requote
requoted
requoting
rerack
reracker
reradiate
reradiated
reradiates
reradiating
reradiation
rerail
rerailer
reraise
rerake
reran
rerank
rerate
rerated
rerating
reread
rereader
rereading
rereads
rerebrace
rerecord
rerecorded
rerecorded
rerecording
rerecords
reredos
reredoses
reree
rereel
rereeve
rerefief
reregister
reregistration
reregulate
reregulated
reregulating
reregulation
rereign
rerelease
reremice
reremmiice
reremmouse
rerent
rerental
reresupper
rereward
rerewards
rerig
rering
rerise
rerisen
rerises
rerising
rerival
rerivet
rerob
rerober
rerooll
reroelled
rerooller
reroollers
reroolling
reroolls
reroof
reroout
reroope
reroose
rerooute
reroouted
rerooutes
reroouting
reroow
rerooyalize
reroub
rerummage
rerun
rerunning
reruns
res
resaca
resack
resacrifice
resaddle
resaddled
resaddles
resaddling
resaid
resail
resailed
resailing
resails
resalable
resale
resaleable
resales
resalgar
resalt
resalutation
resalute
resaluted
resalutes
resaluting
resalvage
resample
resampled
resamples
resampling
resanctify
resanction
resaslee
resat
resatisfaction
resatisfy
resave
resaw
resawed
resawer
resawing
resawn
resaws
resawyer
resay
rescrutinized
rescrutinizing
rescrutiny
rescuable
rescue
rescued
rescueless
rescuer
rescuers
rescues
rescuing
rescusser
reseal
resealable
resealed
resealing
reseals
reseam
research
researchable
researched
researcher
researchers
researches
researchful
researching
researchist
reseason
reseat
reseated
reseating
reseats
reseau
reseaus
reseaux
resecate
resecrete
resecretion
resect
resectabilities
resectability
resectable
resected
resecting
reseaction
resectional
resections
resectoscope
resinogenous
resinoid
resinoids
resinol
resinolic
resinophore
resinesis
resinous
resinously
resinousness
resinovitreous
resins
resiny
resipiscence
resipiscent
resist
resistability
resistable
resistableness
resistably
resistance
resistances
resistant
resistante
resistantes
resistantly
resistants
resistate
resisted
resistence
resistent
resister
resisters
resistful
resistibility
resistible
resistibleness
resistibly
resisting
resistingly
resistive
resistively
resistiveness
resistivity
resistless
resistlessly
resistlessness
resistor
resistor's
resistors
resists
resit
resitting
resituate
resituated
resituates
resituating
resize
resized
resizer
resizes
resizing
resketch
reskew
reskin
reslander
reslash
reslate
reslay
reslide
reslot
resmell
resmelt
resmelted
resmelting
resmelts
resmile
ressmooth
ressmoothed
ressmoothing
ressmooths
resnap
resnatch
resnatron
resnub
resoak
resoap
resoften
resoil
resojet
resojets
resojourn
resold
resolder
resoldered
resoldering
resonated
resonates
resonating
resonation
resonations
resonator
resonators
resonatory
resothe
resorb
resorbed
resorbence
resorbent
resorbing
resorbs
resorcin
resorcinal
resorcine
resorcinism
resorcinol
resorcinolphthalein
resorcins
resorcinum
resorcylic
resorption
resorptive
resort
resorted
resorter
resorters
resorting
resorts
resorufin
resought
resound
resounded
resounder
resounding
resoundingly
resounds
resource
resource's
resourceful
resourcefully
resourcefulness
resourceless
resourcelessness
resources
respectworthy
respell
respelled
respelling
respells
respelt
respersive
respice
respiced
respicing
respin
respirability
respirable
respirableness
respirating
respiration
respirational
respirations
respirative
respirator
respiratored
respiratorium
respirators
respiratory
respire
respired
respires
respiring
respirit
respirometer
respirometric
respirometry
respite
respted
respiteless
respiters
respiting
resplend
resplendence
resplendency
resplendent
resplendently
resplendidish
res splice
respliced
resplicing
resplit
respoke
respreads
respring
respringing
resprings
resprinkle
resprinkled
resprinkling
resprout
resprung
respue
resquander
resquare
resqueak
ressaidar
ressala
ressalah
ressaldar
ressaut
ressentiment
resshot
ressort
rest
restab
restabbed
restabbing
restabilization
restabilize
restabilized
restabilizing
restable
restabled
restabling
restack
restacked
restacking
restacks
restaff
restaffed
restaffing
restaffs
restage
restaged
restages
restaging
restagnate
restrain
restrainable
restake
restharrow
resthouse
restiaceous
restiad
restibrachium
restiff
restiffen
restiffener
restiffness
restifle
restiform
restigmatize
restimate
restimulated
restimulating
restimulation
restiness
resting
restinging
restingly
restionaceous
restipulate
restipulated
restipulating
restipulation
restipulatory
restir
restirred
restirring
restis
restitch
restitue
restitute
restituted
restituting
restitution
restitutional
restitutionism
restitutionist
restitutions
restitutive
restitutor
restitutory
restive
restively
restiveness
restless
restlessly
restlessness
restock
restocked
restocking
restocks
restopper
restorability
restorable
restorableness
restoral
restorals
restoration
restoration's
restorationer
restorationism
restorationist
restorations
restorative
restoratively
restorativeness
restoratives
restorator
restoratory
restore
restored
restorer
restorers
restores
restoring
restoringmoment
restow
restowal
restproof
restr
restraighten
restraightened
restraightening
restraightens
restrain
restrainability
restrainable
restrained
restrainedly
restrainedness
restrainer
restrainers
restraining
restrainingly
resubscription
resubstantiate
resubstantiated
resubstantiating
resubstantiation
resubstitute
resubstitution
resucceed
resuck
resudation
resue
resuffer
resufferance
resuggest
resuggestion
resuing
resuit
resulfurize
resulfurized
resulfurizing
resulphurize
resulphurized
resulphurizing
result
resultance
resultancy
resultant
resultantly
resultants
resultative
resulted
resultful
resultfully
resultfulness
resulting
resultingly
resultive
resultless
resultlessly
resultlessness
results
resumability
resumable
resume
resumed
resumeing
resumer
resumers
resurrection's
resurrectional
resurrectionary
resurrectioner
resurrectioning
resurrectionism
resurrectionist
resurrectionize
resurrections
resurrectionive
resurrector
resurrectors
resurrects
resurrender
resurrendered
resurrendering
resurrendered
resurrender
resurround
resurvey
resurveyed
resurveying
resurveys
resuscitable
resuscitant
resuscitate
resuscitated
resuscitates
resuscitating
resuscitation
resuscitative
resuscitator
resuscitators
resuspect
resuspend
resuspension
reswage
resswallow
resward
reswarm
reswear
reswearing
resweat
resweep
resweeping
resweeten
reswell
reswept
reswill
reswore
reswore
reswim
reswore
resyllabification
resymbolization
resymbolize
resymbolized
resymbolizing
resynchronization
resynchronize
resynchronized
resynchronizing
resyntheses
resynthesis
resynthesize
resynthesized
resynthesizing
resyntheticize
resyntheticized
resyntheticizing
resystematize
resystematized
resystematizing
ret
etable
etables
etablo
etabulate
etabulated
etabulating
etack
etackle
etag
etail
etailable
etailed
etailer
etailers
etailing
etailment
etailor
etailored
etailoring
etailors
etail
etail
etailability
etailable
etailableness
etailnal
etailnder
etailned
retainer
retainers
retainership
retaining
retainment
retains
retake
retaken
retaker
retakers
retakes
retaking
retal
retaliate
retaliated
retaliates
retaliating
retaliations
retaliator
retaliators
retaliatory
retalk
retallies
retally
retama
retame
retan
retanned
retanner
retanning
retape
retaped
retaping
retar
retard
retardance
retardant
retardants
retardate
retardates
retardation
retardative
retardatory
retarded
retardee
retardence
retardent
retarder
retarders
retarding
retardingly
retardive
retardment
retards
retardure
retare
retariff
retarred
retarring
retaste
retasted
retastes
retasting
retation
retattle
retaught
retax
relaxation
retch
retched
retches
retching
retchless
retd
rete
reteach
reteaches
reteaching
retear
retearing
retecious
retelegraph
retelephone
retelevis
retell
retempering
retemper
retempt
retemptation
retemps
retenant
rethrow
rethrust
rethunder
retia
retial
retiarian
retiarii
retiarius
retiary
reticella
reticello
reticence
reticencies
reticency
reticent
reticently
reticket
reticle
reticle’s
reticles
reticula
reticular
reticularian
reticularly
reticulary
reticulate
reticulated
reticulately
reticulates
reticulating
reticulation
reticulatocoalescent
reticulatogranulate
reticulatoramose
reticulatovenose
reticle
reticled
reticules
reticuli
reticulin
reticulitis
reticulocyte
reticulocytic
reticulocytosis
reticuloendothelial
reticuloramose
reticulose
reticulovenose
reticulum
rete
retied
retier
retries
retiform
retighten
retile
retiled
retiling
retill
retimer
retimering
retime
retimed
retimes
retiming
retin
retina
retina's
retinacula
retinacular
retinaculate
retinaculum
retinae
retinal
retinalite
retinals
retinas
retinasphalt
retinasphaltum
retincture
retinene
retinenes
retinerved
retinge
retinged
retingeing
retinion
retinic
retinispora
retinite
retinites
retinitis
retinize
retinker
retinned
retinning
retinoblastoma
retinochoroid
retinochorioidal
retinochorioiditis
retinoid
retinol
retinols
retinopapillitis
retinopathy
retinophoral
retinophore
retinoscope
retinoscopic
retinoscopically
retinoscopies
retinoscopist
retinospotcy
retinospora
retint
retinted
retinting
retints
retinue
retinued
retinues
retinula
retinulae
retinular
retinulas
retinule
retip
retiraced
retiracy
retirade
retiral
retirant
retirants
retire
retired
retiredly
retiredness
retiree
retirees
retirement
retirement's
retirements
retirer
retirers
retouchment
retour
retourable
retrace
retraceable
retraced
retracement
retraces
retracing
retrack
retracked
retracking
retracks
retract
retractability
retractable
retractation
retracted
retractibility
retractible
retractile
retractility
retracting
retraction
retractions
retractive
retractively
retractiveness
retractor
retractors
retracts
retrad
retrade
retraded
retrading
retradition
retrahent
retrait
retrain
retrainable
retrained
retrainee
retraining
retrains
retrait
retral
retrally
retramp
retrample
retranquillize
retranscribe
retranscribed
retranscribing
retranscription
retransfer
retransference
retransferred
retransferring
retransfers
retransfigure
retransform
retransformation
retransfuse
retransit
retranslate
retranslated
retranslates
retranslating
retranslation
retranslations
retransmission
retransmission's
retransmissions
retransmissive
retransmit
retransmits
retransmitted
retransmitting
retransmute
retransplant
retransplantation
retransport
retransportation
retravel
retraverse
retraversed
retraversing
retraxit
retread
retreaded
retreading
retreads
retreat
retreatal
retreatant
retreated
retrieving
retrim
retrimmed
retrimmer
retrimming
retrims
retrip
retro
retroact
retroacted
retroacting
retroaction
retroactionary
retroactive
retroactively
retroactivity
retroacts
retroalveolar
retroauricular
retrobronchial
retrobuccal
retrobulbar
retrocecal
retrocardiac
retrocecal
retrocede
retroceded
retrocedence
retrocedent
retroceding
retrocervical
retrocession
retrocessional
retrocessionist
retrocessive
retrochoir
retroclavicular
retroclusion
retrocognition
retrocognitive
retrocolic
retroconsciousness
retrocopulant
retrocopulation
retrocostal
retrocouple
retrocoupler
retrocurved
retrod
retrodate
retrodden
retrodeviation
retrodirective
retrodisplacement
retroduction
retrodural
retroesophageal
retrofire
retrofired
retrofires
retrofiring
retrofit
retrofits
retrofitted
retrofitting
reflected
retroflexion
retroflex
retroflexed
retroflexion
retroflex
retroflexed
retroflexion
retroflex
retroflexed
retroflexion
retrogress
retrogressed
retrogresses
retrogressing
retrogression
retrogressionist
retrogressions
retrogressive
retrogressively
retrogressiveness
retrohepatic
retroinfection
retroinsular
retroiridian
retroject
retrojection
retrojugular
retrolabyrinthine
retrolaryngeal
retrolental
retrolingual
retrolocation
retromammary
retromammillary
retromandibular
retromastoid
retromaxillary
retromigration
retromingent
retromingently
retromorphosed
retromorphosis
retronasal
retrpack
retroperitoneal
retroperitoneally
retropharyngeal
retropharyngitis
retroplacental
retroplexed
retroposed
retroposition
retropsbyteral
retropubic
retropulmonary
retropulsion
retropulsive
retroreception
retrorectal
retroreflection
retroreflective
retroreflector
retrorenal
retrorocket
retrorockets
retrorse
retyping
retzian
reuben
reundercut
reundergo
reundertake
reundulate
reundulation
reune
reunfold
reunification
reunifications
reunified
reunifies
reunify
reunifying
reunion
reunion's
reunionism
reunionist
reunionistic
reunions
reunitable
reunite
reunited
reunedly
reuniter
reuniter's
reunites
reuniting
reunion
reunion's
reunitive
reunpack
reuphold
reupholster
reupholstered
reupholsterer
reupholsteries
reupholstering
reupholsters
reupholstery
reuplift
reurge
reusability
reusable
reusableness
reusableness
reuse
reuseable
reuseableness
reuseableness
reused
reuses
reusing
reutilise
reutilised
reutilising
reutilization
reutilizations
reutilize
reutilized
reutilizes
reutilizing
reutter
reutterance
reuttered
reuttering
reutters
rev
revacate
revacated
revacating
revaccinate
revaccinated
revaccinating
revaccination
revalenta
revalence
revalences
revalidate
revalidated
revalidating
revalidation
revalorization
revalorize
revaluate
revaluated
revaluates
revaluating
revaluation
revaluations
revalue
revalued
revalues
revaluing
revamp
revamped
revamper
revampers
revamping
revampment
revamps
revanche
revanches
revanchism
revanchist
revaporization
revaporize
revaporized
revaporizing
revarnish
revarnished
revarnishes
revarnishing
revary
revay
reveal
revealability
revealable
revealableness
revealed
revealedly
revealer
revealers
revealing
revealingly
revealingness
revealment
reveals
revegetate
revegetated
revegetating
revegetation
revehent
reveil
reveille
reveilles
revel
revelability
revealant
revelation
revelation's
revelational
revelationer
revelationist
revelationize
revelations
revelative
revelator
revelatory
revealed
reveler
revelers
reveling
revelled
revellent
reveler
revellers
revelling
revellings
revelly
revelment
revelous
revelries
revelrous
revelrout
revelry
revels
revenant
revenants
revend
revender
revendicate
revendicated
revindicating
revendication
reveneer
revenge
revengeable
revenge
revengeful
revengefully
revengefulness
revengeless
revengelement
revenger
revengers
revenge
revenge
revenge
revenge
revenge
revenge
revenge
revenge
revenge
revenge
revenge
rence
reversional
reversionally
reversionary
reversioner
reversionist
reversions
reversis
reversist
reversive
reverso
reversos
revert
revertal
reverted
revertendi
reverter
reverters
revertibility
revertible
reverting
revertive
revertively
reverts
revery
revest
revested
revestiary
revesting
revestry
revests
revet
revete
revetement
revetment
revetments
reveto
revetoed
revetoing
revets
revetted
revetting
revereverberatory
revibrant
revibrate
revibrate
revibrated
revibrating
revibration
revibrational
rewall
rewallow
rewan
reward
rewardable
rewardableness
rewardably
rewarded
rewardedly
rewarder
rewarders
rewardful
rewardfulness
rewarding
rewardingly
rewardingness
rewardless
rewardproof
rewards
rewarehouse
rewarm
rewarmed
rewarming
rewarms
rewarn
rewarrant
rewash
rewashed
rewashes
rewashing
rewater
rewave
rewax
rewaxed
rewaxes
rewaxing
rewaybill
rewayle
rewaken
rewear
rewearing
rewave
rewave
rewaved
rewaves
rewaving
rewed
rewedded
rewedding
rgen
rgisseur
rglement
rh
rha
rhabarb
rhabarbarate
rhabarbaric
rhabarbarum
rhabdite
rhabditiform
rhabdium
rhabdocoelan
rhabdocoele
rhabdocoelidan
rhabdocoelous
rhabdoid
rhabdoidal
rhabdolith
rhabdology
rhabdom
rhabdomal
rhabdomancer
rhabdomancy
rhabdomantic
rhabdomantist
rhabdome
rhabdomere
rhabdomes
rhabdoms
rhabdomyoma
rhabdomyosarcoma
rhabdomysarcoma
rhabdophane
rhabdophanite
rhabdophobia
rhabdophoran
rhabdopod
rhabdos
rhabdosome
rhabdosophy
rhabdosphere
rhabdus
rhachi
rhachides
rhachis
rhachises
rhadamanthine
rhadamanthus
rhaebosis
rhaetian
rhaetic
rhaetizite
rhagades
rhagadiform
rhagiocrin
rhagionid
rhagite
rhagon
rhagonate
rhagonoid
rhagose
rhamn
rhamnaceous
rhamnal
rhamnetin
rhamninase
rhamninose
rhamnite
rhamnitol
rhamnohexite
rhamnohexitol
rhamnohexose
rhamnonic
rhamnose
rhamnoses
rhamnoside
rhamnus
rhamnuses
rhamphoid
rhamphorhynchus
rhamphotheca
rhapsae
rhaphe
rhaphe
rhapses
rhapontic
rhaponticin
rhapontin
rhapsode
rhapsodes
rhapsodic
rhapsodical
rhapsodically
rhapsodie
rhapsodies
rhapsodism
rhapsodist
rhapsodistic
rhapsodists
rhapsodize
rhapsodized
rhapsodizes
rhapsodizing
rhapsodomancy
rhapsody
rason
rhapsophore
rhatania
rhatanies
rhatany
rhatikon
rhb
rhd
rhe
rhea
rheadline
rheas
rhebok
rheboks
rhebosis
rhe da
rhe dae
rhe das
rhe boc
rhe bok
rheen
rhegmatype
rhegmatypy
rheic
rhein
rheinberry
rheingold
rheinic
rHEMA
rhematic
rhematology
rHEME
rhemish
rhe nea
rhenic
rhenish
rhenium
rheniums
rheo
rheobase
rheobases
rheocrat
rheologic
rheological
rheologically
rheologies
rheologist
rheologists
rheology
rheometer
rheometers
rheometric
rheometry
rheopexy
rheophil
rheophile
rheophilic
rheophore
rheophoric
rheoplankton
rheoscope
rheoscopic
rheostat
rheostatic
rheostatics
rheostats
rheotactic
rheotan
rheotaxis
rheotome
rheotron
rheotrope
rheotropic
rheotropism
rhesian
rhesis
rhesus
rhesuses
rhet
rhetor
rhetoric
rhetorical
rhetorically
rhetoricalness
rhetoricals
rhetorician
rhetoricians
rhetorics
rhetorize
rhetors
rheum
rheumartritis
rheumatalgia
rheumatic
rheumatical
rheumatically
rheumaticky
rheumatics
rheumatism
rheumatismal
rheumatismoid
rheumative
rheumatiz
rheumatize
rheumatogenic
rheumatoid
rheumatoidal
rheumatoidally
rheumatologist
rheumatology
rheumed
rheumic
rheumier
rheumiest
rheumily
rheuminess
rheums
rheumy
rhexes
rhexis
rhibia
rhigolene
rhigosis
rhigotic
rhila
rhinal
rhinalgia
rhinaria
rhinaria
rhinarium
rhincospasm
rhine
rhinegrave
rhinencephala
rhinencephalic
rhinencephalon
rhinencephalons
rhinencephalous
rhinenchysis
rhinestone
rhinestones
rhineurynter
rhinion
rhinitides
rhinitis
rhino
rhinobyon
rhinocaul
rhinocele
rhinocelian
rhinoceri
rhinocerial
rhinocerian
rhinocerical
rhinocerine
rhinoceroid
rhinoceros
rhinoceroses
rhinoceroslike
rhinocerotic
rhinocerotiform
rhinocerotine
rhinocerotoid
rhinochiloplasty
rhinocoele
rhinocelian
rhinodynia
rhinogenous
rhinolalia
rhinolaryngology
rhinolaryngoscope
rhinolite
rhinolith
rhinolithic
rhinologic
rhinological
rhinologist
rhinology
rhinolophid
rhinolophine
rhinopharyngeal
rhinopharyngitis
rhinopharynx
rhinophonia
rhinophore
rhinophyma
rhinoplastic
rhinoplasty
rhinopolyposis
rhinorrhagia
rhinorrhea
rhinorrheal
rhinorrhoea
rhinos
rhinoscleroma
rhinoscope
rhinoscopic
rhinoscopy
rhinosporidiosis
rhinosporidium
rhinotheca
rhinotheal
rhinovirus
ripidate
ripidion
ripidistian
ripidium
ripidoglossal
ripidoglossate
ripidopterous
ripiphorid
ripipteran
ripipterous
rhizanth
rhizanthous
rhizautoicous
rhizine
rhizinous
rhizobia
rhizobium
rhizocarp
rhizocarpean
rhizocarpian
rhizocarpic
rhizocarpous
rhizocaul
rhizocaulus
rhizocephalan
rhizocephalid
rhizocephalous
rhizocorm
rhizoctonia
rhizoctoniose
rhizodermis
rhizoflagellate
rhizogen
rhizogenesis
rhizogenetic
rhizogenic
rhizogenous
rhizoid
rhizoidal
rhizoids
rhizoma
rhizomata
rhizomatic
rhizomatous
rhizome
rhizomelic
rhizomes
rhizomic
rhizomorph
rhizomorphic
rhizomorphoid
rhizomorphous
rhizeuneur
rhizophagous
rhizophilous
rhizophora
rhizophoraceous
rhizophore
rhizophorous
rhizophyte
rhizopi
rhizoplane
rhizoplast
rhizopod
rhizopoda
rhizopodal
rhizopodan
rhizopodist
rhizopodous
rhizopods
rhizopus
rhizopuses
rhizosphere
rhizostomatous
rhizostome
rhizostomous
rhizotaxis
rhizotaxy
rhizote
rhizotic
rhizotomi
rhizotomies
rhizotomy
rho
rhodaline
rhodamin
rhodamine
rhodamins
rhodanate
rhodanic
rhodanine
rhodanthe
rhodeoretin
rhodeose
rhodes
rhodesia
rhodesian
rhodesians
rhodeswood
rhodian
rhodic
rhodinal
rhoding
rhodinol
rhodite
rhodium
rhodiums
rhodizite
rhodizonic
rhodochrosite
rhodocyte
rhododaphne
rhododendron
rhododendrons
rhodolite
rhodomelaceous
rhodomontade
rhodonite
rhodophane
rhodophyceous
rhodophyll
rhodoplast
rhodopsin
rhodora
rhodoras
rhodorhiza
rhodosperm
rhodospermin
rhodospermous
rhodymeniaceous
rhomb
rhombencephala
rhombencephalon
rhombencephalons
rhombenla
rhombenporphyr
rhombi
rhombic
rhombical
rhombiform
rhomboclase
rhomboganoid
rhombogene
rhombogenic
rhombogenous
rhombohedra
rhombohedral
rhombohedrally
rhombohedral
rhombohedron
rhombohedrons
rhomboid
rhomboidal
rhomboidally
rhomboidei
rhomboides
rhomboideus
rhomboidly
rhomboids
rhomboquadratic
rhomborectangular
rhombos
rhombovate
rhombs
rhombus
rhombuses
rhoncal
rhonchal
rhonchi
rhonchial
rhonchus
rhopalic
rhopalism
rhopalium
rhopaloceral
rhopalocerous
rhos
rhotacism
rhotacismus
rhotacist
rhotacistic
rhotacize
rhotic
rhubarb
rubarbs
rubarby
rhub
rhumba
rhumbaed
rhumbaing
rhumbas
rhumbatron
rhumbs
rhus
rhuses
rhyacolite
rhyme
rhymed
rhymeless
rhymelet
rhymemaker
rhymemaking
rhymeproof
rhymer
rhymers
rhymery
rhymes
rhymester
rhymesters
rhymewise
rymic
rhyming
rhymist
rhymy
rhynchocephalian
rhynchocephalic
rhynchocephalous
rhynchocoelan
rhynchocoele
rhynchocoelic
rhynchocoelous
rhynchodont
rhyncholite
rhynchonelloid
rhynchophorans
rhynchophore
rhynchophorous
rhynchotal
rhynchote
rhynchotous
rhynconellid
rhynia
rhyobasalt
rhyodacite
rhyolite
rhyolites
rhyolitic
rhyotaxitic
rhapsodographer
rhapsographic
rhapsographer
rhapsography
rhapsography
rhythmic
rhythmal
rhythmed
rhythmic
rhythmic
rhythmical
rhythmicality
rhythmically
rhythmicities
rhythmicity
rhythmizer
rhythms
rhythmics
rhythmist
rhythmizable
rhythmization
rhythmize
rhythmless
rhythmometer
rhythmopoeia
rhythmproof
rhythms
rhythmus
rhytidome
rhytidosis
rhytina
rhyton
rhytta
ria
rial
rials
rialto
rialtos
rialty
riancy
riant
riantly
riata
riatas
rib
rib's
ribald
ribaldish
ribaldly
ribaldness
ribaldries
ribaldrous
ribaldry
ribalds
riband
ribandlike
ribandmaker
ribandry
ribands
ribat
ribaudequin
ribaudred
ribazuba
ribband
ribbandry
ribbands
ribbed
ribber
ribbers
ribbet
ribbidge
ribbier
ribbiest
ribbing
ribbings
ribble
ribston
ribwork
ribwort
ribworts
ribzuba
ricardian
ricasso
ricciaceous
rice
ricebird
ricebirds
ricecar
ricecars
riced
ricegrass
riceland
ricer
ricercar
ricercare
ricercari
ricercars
ricercata
ricers
rices
ricey
rich
richard
richardson
richdom
riche
richellite
richen
richened
richening
richens
richer
riches
richesse
richest
richeted
richeting
richetted
richetting
richfield
richling
richly
richmond
richness
richnesses
richt
richter
richterite
richweed
richweeds
ricin
ricine
ricinelaidic
ricinelaidinic
ricing
ricinic
ricinine
ricininic
ricinium
ricinoleate
ricinoleic
ricinolein
ricinolic
ricins
ricinus
ricinuses
rick
rickardite
ricked
ricker
ricket
ricketier
rickietiest
ricketily
ricketiness
ricketish
rickets
rickettsia
rickettsiae
rickettsial
rickettsialpox
rickettsias
rickety
rickey
rickeys
ricks
ricking
rickle
rickmatic
rickrack
rickracks
ricksha
rifle
riflebird
rifled
rifledom
riflete
rifleman
riflemanship
riflemen
rifleproof
rifer
rifleries
riflers
riflery
rifles
riflescope
rifleshot
rifling
riflings
rift
rifted
rifter
rifting
riftless
rifts
rifty
rig
rig's
riga
rigadig
rigadon
rigadoon
rigadoons
rigamajig
rigamarole
rigation
rigatoni
rigatonis
rigaudon
rigaudons
rigbane
rigel
rigescence
rigescent
riggal
riggald
rigged
rigger
riggers
rigging
riggings
riggish
riggite
riggot
right
rightable
rightabout
righted
righten
righteous
righteously
righteousness
righter
righters
rightest
rightforth
rightful
rightfully
rightfulness
righthand
righthanded
rightheaded
righthearted
righties
righting
rightish
rightism
rightisms
rightist
rightists
rightle
rightless
rightlessness
rightly
rightmost
rightness
righto
rights
rightship
rightward
rightwardly
rightwards
righty
rigid
rigidification
rigidified
rigidifies
rigidify
rigidifying
rigidist
rigidities
rigidity
rigidly
rigidness
rigidulous
riginal
riglet
rigling
rigmareae
rigmarole
rigmarolery
rigmaroles
rigmarolic
rigmarolish
rigmarolishly
rignum
rigodon
rigol
rigole
rigollet
rigolette
rigor
rigorism
rigorisms
rigorist
rigoristic
rigorists
rigorous
rigorously
rigorousness
rigors
rigour
rigourism
rigourist
rigouristic
rigours
rigs
rigsby
rigsdaler
rigueur
rigwiddie
rigwiddy
rigwoodie
rijkdaalder
rijkdaaler
rikisha
rimier
rimiest
rimiform
riming
rimland
rimlands
rimless
rimmaker
rimmaking
rimmed
rimmer
rimmers
rimming
rimose
rimosely
rimonies
rimonies
rimosities
rimosity
rimous
rimpi
rimple
rimpled
rimples
rimpling
rimption
rimptions
rimrock
rimrocks
rims
rimstone
rimu
rimula
rimulose
rimy
rin
rinceau
rinceaux
rinch
rincon
rind
rind's
rinded
rinderpest
rindle
rindless
rinds
rindy
rine
rinforzando
risorial
risorius
risorse
risotto
risottos
risp
risper
rispetto
risposta
risqu
risque
risquee
rissel
risser
rissle
rissoid
rissole
rissoles
rissom
rist
ristori
risus
risuses
rit
rita
ritard
ritardando
ritardandos
ritards
rite
rite's
riteless
ritelessness
ritely
ritenuto
rites
rithe
ritling
ritmaster
ritornel
ritornelle
ritornelli
ritornello
ritornellos
ritratto
ritsu
ritter
ritters
rivals
rivalship
rive
ried
riedercli
riex
rived
riveding
rivel
riveded
riveding
rivell
rivelled
riven
river
river's
riverain
riverbank
riverbanks
riverbed
riverbeds
riverboat
riverbush
riverdamp
rivered
riveret
riverfront
riverhead
riverhood
riverine
riverines
riverish
riverless
riverlet
riverlike
riverling
riverly
riverman
rivermen
rivers
riverscape
riverside
riversider
riverward
riverwards
riverwash
riverway
riverweed
riverwise
riverly
rives
robotries
robotry
robots
robs
robur
roburite
robust
robuster
robustest
robustful
robustfully
robustfulness
robustic
robusticity
robustious
robustiously
robustiousness
robustity
robustly
robustness
robustuous
roc
rocaille
rocambole
roccellic
roccellin
roccelline
roche
rochelime
rochelle
rocher
rochester
rochet
rocheted
rochets
roching
rociest
rock
rockabies
rockabilly
rockable
rockably
rockaby
rockabye
rockabyes
rockallite
rockat
rockaway
rockling
rocklings
rockman
rockoon
rockoons
rockribbed
rockrose
rockroses
rocks
rockshaft
rockskipper
rockslide
rockstaff
rocktree
rockward
rockwards
rockweed
rockweeds
rockwood
rockwork
rockworks
rocky
rococo
rococos
rocolo
rocs
rocta
rod
rod's
rodd
rodded
rodden
rodder
rodders
roddikin
roddin
rodding
rode
rodent
rodentia
rodential
rodentially
rodentian
rodenticidal
rodenticide
rodentproof
rodents
rodeo
rollaway
rollback
rollback
rollbacks
rollbar
rolled
rollejee
roller
rollerer
rollermaker
rollermaking
rollerman
rollers
rollerskater
rollerskating
rolley
rolleyway
rolleywayman
rolliche
rollichie
rollick
rollicked
rollicker
rollicking
rollickingly
rollickingness
rollicks
rollicksome
rollicksome
rollicksome
rollicky
rolling
rollingly
rollings
rollix
rollman
rollmop
rollmops
rollneck
rollock
rollout
rollouts
rollover
rollovers
rolls
rolltop
rollway
rollways
roloway
rolpens
rom
romaic
romaika
romaine
romaines
romaji
romal
roman
romana
romance
romancealist
romancean
romanced
romanceful
romanceish
romanceishness
romanceless
romancelet
romancelike
romancemonger
romanceproof
romancer
romanceress
romancers
romances
romancical
romancing
romancist
romancy
romanescque
romanian
romantic
romanics
romanies
romanish
romanism
romanist
romanistic
romanium
romanization
romanize
romanized
romanizes
romanizing
romano
romanos
romans
romansh
romantic
romantic's
romantical
romanticalism
romanticality
romantically
romanticalness
romanticise
romanticism
romanticist
romanticistic
romanticists
romanticity
romanticization
romanticize
romanticized
romanticizes
romanticizing
romantically
romanticness
romantics
romantism
romantist
romany
romanza
romaunt
romaunts
romble
rombos
rombowline
rome
romeine
romeite
romeldale
romeo
romerillo
romero
romeros
romeward
romic
romish
rommack
romney
romp
romped
rompee
romper
rompers
romping
rompingly
rompish
rompishly
rompishness
romps
rompu
rompy
roms
romulus
romyko
ronald
roncador
roncet
roncho
ronco
roncos
rond
rondache
rondacher
rondawel
ronde
rondeau
rondeaux
rondel
rondelet
rondeletia
rondelets
rondelier
rondelle
rondelles
rondellier
rondels
rondino
rondle
rondo
rondoletto
rondos
rondure
rondures
rone
rongeur
ronggeng
ronier
ronin
ronion
ronions
ronnel
ronnels
roofwise
roofy
rooibok
rooinek
rooing
rook
rooked
rooker
rookeried
rookeries
rookery
rookie
rookier
rookies
rookiest
rooking
rookish
rooklet
rooklike
rooks
rookus
rooky
rool
room
roomage
roomed
roomer
roomers
roomette
roomettes
roomful
roomfuls
roomie
roomier
roomies
roomiest
roomily
roominess
rooming
roomkeeper
roomless
roomlet
roommate
roommates
rooms
roomsful
roomsome
roomstead
roomth
roomthily
roomthiness
roomthy
roomward
roomy
roon
roop
roorbach
roorback
roorbacks
roosa
roose
roosed
rooser
roosers
rooses
roosevelt
roosing
roost
roosted
rooster
roosterfish
roosterhood
roosteless
roosters
roostership
roosting
roosts
roosty
root
root's
rootage
rootages
rootcap
rooted
rootedly
rootedness
rooter
rooters
rootery
rootfast
rootfastness
roothold
rootholds
rooti
rootier
rootiest
ropewalk
ropewalker
ropewalks
ropeway
ropeways
ropework
ropey
ropier
ropiest
ropily
ropiness
ropinesses
roping
ropish
ropishness
roploch
ropp
ropy
roque
roquefort
roquelaure
roquelaures
roquellorz
roquer
roques
roquet
roqueted
roqueting
roquets
roquette
roquille
roquist
roral
roratorio
roric
rorid
roriferous
rorifluent
roritorious
rorqual
rorquals
rorschach
rort
rorty
rorulent
roty
ros
rosa
roseine
rosel
roseless
roselet
roselike
roselite
rosella
rosellate
roselle
roselles
rosemaling
rosemaries
rosemary
rosenbuschite
roseola
roseolar
roseolas
roseoliform
roseolous
roseous
roseries
roseroot
roseroots
rosery
roses
roset
rosetan
rosetangle
rosetime
rosets
rosette
rosetted
rosettes
rosetty
rosetum
rosety
rosewater
roseways
rosewise
rosewood
rosewoods
rosewort
roshi
rosicrucian
rosied
rosier
rosieresite
rosiest
rosilla
rosillo
rosily
rosin
rosinate
rosinduline
rosined
rosiness
rosinesses
rosing
rosining
rosinol
rosinous
rosins
rosinweed
rosinwood
rosiny
rosland
rosmarine
rosoli
rosolic
rosolio
rosolios
rosolite
rosorial
ross
rosser
rossite
rostel
rostella
rostellar
rostellarian
rostellate
rostelliform
rostellum
roster
rosters
rostra
rostral
rostrally
rostrate
rostrated
rostriferous
rostriform
rostroantennary
rostrobranchial
rostrocarinate
rotatorian
rotators
rotatory
rotavist
roch
rotche
roteches
rote
rotella
rotenone
rotenones
roter
rotes
roge
rotgut
rotguts
rother
rothermuck
rothesay
roti
rotifer
rotifera
rotiferal
rotiferan
rotiferous
rotifers
rotiform
rotisserie
rotissereries
rol
rots
roto
rotocraft
rotodyne
rotograph
rotogravure
rotogravures
rotometer
rotonda
rotonde
rotor
rotorcraft
rotors
rotos
rototill
rototilled
rototiller
rototilling
roulade
roulades
rouleau
rouleaus
rouleaux
roulette
rouletted
roulettes
rouletting
rouman
roumanian
roumeliote
roun
rounce
rounceval
rouncival
rouncy
round
roundabout
roundaboutly
roundaboutness
rounded
roundedly
roundedness
roundel
roundelay
roundelay
roundeleer
roundels
rounder
rounders
roundest
roundfish
roundhead
roundheaded
roundheadedness
roundheel
roundhouse
roundhouses
rounding
roundish
roundishness
roundle
roundlet
roundlets
roundline
roundly
roundmouthed
roundness
roundnose
roundnosed
roundoff
roundridge
rounds
roundseam
roundsmen
roundtable
roundtail
roundtop
roundtree
roundup
roundups
roundure
roundwise
roundwood
roundworm
roundworms
roundy
rounge
rounspik
rountree
roup
rouped
rouper
roupet
roupie
roupier
roupiest
roupily
rouping
roupingwife
roupit
roups
roupy
rous
rousant
rouse
rouseabout
roused
rousedness
rousement
rouser
rousers
rouses
rousette
rousing
rousingly
rousseau
rousseaus
roussette
rousillion
roust
roustabout
roustabouts
rousted
rouster
rousters
rousting
rous
tout
route
routed
routeman
routemarch
routemen
router
routers
routes
routeway
routeways
routh
routhercock
routhie
routhiness
rouths
routhy
routier
routinary
routine
routineer
routinely
routineness
routines
routing
routings
routinish
routinism
routinist
routinization
routinize
routinized
routinizes
routinizing
routivarite
routous
routously
routs
rouvillite
roux
rove
roved
roven
rover
rovers
roves
rovescio
rovet
rovetto
roving
rovingly
roviness
rovings
row
rowable
rowan
rowanberries
rowanberry
rowans
rowboat
rowboats
rowdier
rowdies
rowdiest
rowdily
rowdiness
rowdy
rowdydow
rowdydowdy
rowdyish
rowdyishly
rowdyishness
rowdyism
rowdyisms
rowdyproof
rowed
rowel
roweled
rowelhead
roweling
rowelled
rowelling
rowels
royalty's
royet
royetness
royetous
royetously
roynous
royou
royster
ryostered
ryostering
rysters
royt
rozener
rozum
rozzer
rozzers
rpm
rps
tpt
rrhiza
rs
rsum
rsvp
rt
rte
rti
rtw
ruach
ruana
rub
rubaboo
rubaboos
rubace
rubaces
rubaiyat
rubasse
rubasses
rubato
rubatos
rubbaboo
rubbabooos
rubbed
rubbee
rubber
rubber's
rubberer
rubberiness
rubberise
rubberised
rubberising
rubberize
rubberized
rubberizes
rubberizing
rubberless
rubberlike
rubberneck
rubbernecked
rubbernecker
rubbernecking
rubbernecks
rubbernose
rubbers
rubberstone
rubberwise
rubbery
rubbing
rubbings
rubbingstone
rubbio
rubbish
rubbishes
rubbishing
rubbishingly
rubbishly
rubbishry
rubbishy
rubissy
rubble
rubbled
rubbler
rubbles
rubblestone
rubblework
rubblier
rubbliest
rubbling
rubbly
rubby
rubdown
rubdowns
rube
rubedinous
rubedity
rubefacience
rubefacient
rubefaction
rubefy
rubelet
rubella
rubellas
rubelle
rubellite
rubellosis
rubens
rubeola
rubeolar
rubeolas
rubeoloid
ruberythric
ruberythrinic
rubes
rubescence
rubescent
rubaceous
rubiacin
rubian
rubianic
rubiate
rubiator
rubible
rubican
rubicelle
rubicon
rubiconed
rubicund
rubicundity
rubidic
rubidine
rubidium
rubidiums
rubied
rubier
rubies
rubiest
rubific
rubification
rubificative
rubify
rubiginose
rubiginous
rubigo
rubigos
rubijervine
rubin
rubine
rubineous
rubious
ruble
ruble's
rubles
rublis
rubor
rubout
rubrail
rubric
rubrica
rubrical
rubricality
rubrically
rubricate
rubricated
rubricating
rubrication
rubricator
rubrician
rubricism
rubricist
rubricity
rubricize
rubricose
rubrics
rubrific
rubrification
rubrify
rubrisher
rubroprial
rubs
rubstone
rubus
ruby
ruby's
rubying
rubylime
rubytail
rubythroat
rubywise
rucervine
rucervus
ruche
ruches
ruching
ruchings
ruck
rucked
rucker
rucking
ruckle
ruckling
rucks
rucksack
rucksacks
rucksey
ruckus
ruckuses
rucky
ructation
ruction
ructions
ructious
rud
rudaceous
rudas
rudbeckia
rudd
rudder
rudder's
rudderfish
rudderfishes
rudderhead
rudderhole
rudderless
rudderlike
rudderpost
rudders
rudderstock
ruddervator
ruddied
ruddier
ruddiest
ruddily
ruddiness
ruddish
ruddle
ruddled
ruddleman
ruddlemen
ruddles
ruddling
ruddock
ruddocks
rudds
ruddy
ruddyish
rude
rudely
rudeness
rudeneses
rudented
rudenture
ruder
rudera
ruderal
ruderals
ruderate
rudesbies
rudesby
rudesheimer
ruest
rudge
rudiment
rudiment's
rudimental
rudimentarily
rudimentariness
rudimentary
rudimentation
rudiments
rudinsky
rudish
rudistan
rudistid
rudity
rudloff
rudolphine
rudous
rue
rued
rueful
ruefully
ruefulness
ruelike
ruelle
ruely
ruen
ruer
ruers
ruers
rues
ruesome
ruesomeness
ruewort
rufescence
rufescent
ruff
ruffable
ruffe
ruffed
ruffer
ruffles
ruffian
ruffianage
ruffiandom
ruffianhood
ruffianish
ruffianism
ruffianize
ruffianlike
ruffianly
ruffiano
ruffians
ruffin
ruffing
ruffle
ruffled
ruffleless
rufflement
ruffler
rufflers
ruffles
rufflike
ruffliness
ruffling
ruffly
ruffmans
ruffs
ruficarpous
ruficaudate
ruficoccin
ruficorne
rufigallic
rufoferruginous
rufofulvous
rufofuscous
rupopiceous
rufosity
rufotestaceous
rumble
rumbled
rumblegarie
rumblegumption
rumblemment
rumbler
rumblers
rumbles
rumbling
rumblingly
rumblings
rumbly
rumbo
rumbooze
rumbowline
rumbowling
rumbullion
rumbumptious
rumbustical
rumbustion
rumbustious
rumbustiousness
rumchunder
rumdum
rume
rumen
rumenitis
rumenocentesis
rumenotomy
rumens
rumex
rumfustian
rumgumption
rumgumptious
rumicin
rumina
ruminal
ruminant
ruminantia
ruminantly
ruminants
ruminated
ruminates
ruminating
ruminatingly
ruminations
ruminative
ruminatively
ruminator
ruminators
rumkin
rumless
rumly
rummage
rummaged
rummager
rummagers
rummages
rummaging
rummagy
rummer
rummers
rummery
rummes
rummest
rummier
rummies
rummiest
rummily
rumminess
rummish
rummle
rummly
rumness
rumney
rumor
rumored
rumorer
rumoring
rumormonger
rumorous
rumorproof
rumors
rumour
rumoured
rumourer
rumouring
rumourmonger
rumours
rump
rumpad
rumpadder
rumpade
rumple
runout
runouts
runover
runovers
runproof
runrig
runround
runrounds
runs
runs
runsy
runt
runted
runtee
runtier
runittest
runtime
runtiness
runtish
runtishly
runtishness
runts
runty
runway
runways
rupa
rupee
rupees
rupellary
rupestral
rupes
trian
rupes
trine
rupia
rupiah
rupiahs
rupial
rupicapr
ine
rupicol
ous
rupicole
line
rupicolous
rupie
rupitic
ruptile
ruption
ruptible
ruptu
ary
rupturable
rupture
ruptured
ruptures
rusticanum
rusticate
rusticated
rusticates
rusticating
rustication
rusticator
rusticators
rusticial
rusticism
rusticities
rusticity
rusticize
rusticly
rusticness
rusticoat
rustics
rusticum
rusticwork
rustier
rustiest
rustily
rustiness
rusting
rustle
rustled
rustler
rustlers
rustles
rustless
rustling
rustlingly
rustlingness
rustly
rustproof
rustre
rustred
rusts
rusty
rustyback
rustyish
ruswut
rut
rut's
rutabaga
rutabagas
rutaceous
rutaecarpine
rurate
rutch
rutelian
ruth
ruthenate
ruthene
ruthenic
ruthenious
ruthenium
ruthenous
ruther
rutherford
rutherfordine
rutherfordite
rutherfordium
ruthful
ruthfully
ruthfulness
ruthless
ruthlessly
ruthlessness
ruths
rutc
rutidosis
rutilant
rutilate
rutilated
rutilation
rutile
rutiles
rutilous
rutin
rutinose
ruts
rutted
ruttee
rutter
ruttier
ruttiest
ruttily
ruttiness
rutting
ruttiish
ruttiishly
ruttiishness
ruttle
rutty
rutyl
rutylene
ruvid
rux
rvulsant
rwd
rwound
rwy
rya
ryal
ryania
ryas
rybat
ryder
rye
ryegrass
ryegrasses
ryen
ryepeck
ryes
ryke
ryked
rykes
ryking
ryme
rynchosporous
rynd
rynds
rynt
ryokan
ryot
ryots
ryotwar
ryotwari
ryotwary
rype
rypeck
rypophobia
rytidosis
s
s'elp
s'help
s's
sa
saa
saanen
sab
sabadilla
sabadin
sabadine
sabadinine
sabaean
sabaigrass
sabaism
sabakha
sabalo
sabalos
sabalote
sabana
sabanut
sabaooth
sabaton
sabatons
sabayon
sabbat
sabbatarian
sabbath
sabbaths
sabbatia
sabbatian
sabbatic
sabbatical
sabbaticals
sabbatine
sabbatism
sabbatist
sabbatize
sabbaton
sabbats
sabbened
sabbeka
sabbing
sabbitha
sabby
sabdariifff
sabe
sabecca
sabed
sabeing
sabella
sabella
sabellian
sabellarian
sabellian
sabellid
sabellloid
saber
saber's
saberbill
sabered
sabering
saberleg
saberlike
saberproof
sabers
sabertooth
saberwing
sabes
sabaceous
sabian
sabicu
sabin
sabina
sabine
sabines
sabing
sabino
sabins
sabir
sabirs
sable
sable's
sablefish
sablefishes
sableness
sables
sably
sabora
saboraim
sabot
sabotage
sabotaged
sabotages
sabotaging
saboted
saboteur
saboteurs
sabotier
sabotine
sabots
sabra
sabras
sabre
sabrebill
sahred
sahres
sabretache
sabretooth
sabreur
sabring
sabromin
sahs
sabuline
sabulite
sabulose
sabulosity
sabulous
sabulum
saburra
saburral
saburrate
saburration
sabutan
sabzi
sac
sacahuiste
sacalait
sacaline
sacate
sacaton
sacatons
sacatra
sacbrood
sacbuts
saccade
saccades
saccagé
saccadic
saccage
saccarify
saccarimeter
saccate
saccated
saccharamide
saccharase
saccharate
saccharated
saccharephidrosis
saccharic
saccharide
sacchariferous
saccharification
saccharified
saccharifier
saccharify
saccharifying
saccharilla
saccharimeter
saccharimetric
saccharimetrical
saccharimetry
saccharin
saccharinate
saccharinated
saccharine
saccharineish
saccharinely
saccharinic
saccharinity
saccharization
saccharize
saccharized
saccharizing
saccharobacillus
saccharobiase
saccharobutyric
saccharoceptive
saccharoceptor
saccharochemotropic
saccharocolloid
saccharofarinaceous
saccharogalactorrhea
saccharogenic
saccharohumic
saccharoid
saccharoidal
saccharolactonic
saccharolytic
saccharometabolic
saccharometabolism
saccharometer
saccharometric
saccharometrical
saccharometry
saccharomucilaginous
saccharomyces
saccharomycetaceous
saccharomycete
saccharomycetic
saccharomycosis
saccharon
saccharonate
saccharone
saccharonic
saccharophyllly
saccharorrhea
saccharoscope
saccharostarchy
saccharosuria
saccharotriose
saccharous
saccharulmic
saccharulmin
saccharum
saccharuria
sacchulmin
sacciferous
sacciform
sacelli
saccobranchiate
saccoderm
saccolabium
saccomyian
saccomyid
saccomyine
saccomyoid
saccomyoidian
saccoon
saccos
saccular
sacculate
sacculated
sacculation
saccule
saccules
sacculi
sacculotricular
sacculus
saccus
sacela
sacella
saccellum
sacredcecy
sacerdos
sacerdotage
sacerdotal
sacerdotalism
sacerdotalist
sacerdotalize
sacerdotally
sacerdotical
sacerdotism
sacerdotium
sachamaker
sachcloth
sachem
sachemdom
sachemic
sachems
sachemship
sachet
sacheted
sachets
sack
sackage
sackamaker
sackbag
sackbut
sackbuts
sackbutt
sackcloth
sackclothed
sackedouble
sacked
sacken
sacker
sackers
sacket
sackful
sackfuls
sacking
sackings
sackless
sacklike
sackmaker
sackmaking
sackman
sacks
sacksful
sacktime
saclike
saco
sacope
sacque
sacques
sacra
sacrificial
sacrificially
sacrificing
sacrificingly
sacrify
sacrilege
sacrileger
sacriligious
sacrilegiously
sacriligiousness
sacrilegist
sacrilumbal
sacrilumbalis
sacring
sacrist
sacristan
sacristans
sacristies
sacristry
sacrists
sacristy
sacro
sacrocaudal
sacroccocygeal
sacroccocygean
sacroccocygeus
sacroccocyx
sacrocostal
sacroctyloid
sacroctyoidean
sacrocoxalgia
sacrocoxitis
sacrodorsal
sacrodynia
sacrofemoral
sacroiliac
sacroiliacs
sacroinguinal
sacroischiac
sacroischiatric
sacroischidiac
sacrolombal
sacrolumbalis
sacrolumbar
sacropectineal
sacroperineal
sacropictorial
sacroposterior
sacropic
sacrectal
sacrosanct
sacrosanctity
sacrosanctness
sacrosiatic
sacrosisecular
sacrospinal
sacrospinalis
sacrospinous
sacrotony
sacrotuberos
sacrovertebral
sacrum
sacrum
sacry
sacs
sad
sadaqat
sadden
saddenred
saddening
saddeningly
saddens
sadder
saddest
saddhu
saddhus
saddik
sadderham
saddish
saddle
saddleback
saddlebacked
saddlebag
saddlebags
saddlebill
saddlebow
saddlebows
saddlecloth
saddlecloths
saddled
saddled
saddleleaf
saddleless
saddllelike
saddlemaker
saddlenose
saddler
sadomasochists
sadr
sadware
sae
saebeins
saecula
saecular
saeculum
saerneite
saeta
saeter
saeume
safar
safari
safaried
safariing
safaris
safe
safeblower
safeblowing
safebreaker
safebreaking
safecracker
safecracking
safeguard
safeguarded
safeguarder
safeguarding
safeguards
safeguard
safeguarded
safeguarder
safeguarding
safeguards
safehold
safekeeper
safekeeping
safelight
safely
safemaker
safemaking
safen
safener
safeness
safenesses
safer
safes
safest
safetied
safeties
safety
safely
sagbut
sagbuts
sage
sagebrush
sagebrusher
sagebrushes
sagebush
sageer
sageleaf
sagely
sagene
sageness
sagenesses
sagenite
sagenitic
sager
sagerose
sages
sageship
sagesse
sagist
sagewood
saggar
saggard
saggards
saggared
saggarung
saggars
sagged
sagger
saggered
saggering
saggers
saggier
saggiest
sagginess
sagging
saggon
saggy
saghavart
sagier
sagiest
saginate
sagination
saging
sagital
sagitarian
sagitta
sagittae
sagittal
sagittally
sagittaries
sagittarii
sagittarius
sagittary
sagittate
sagittiferous
sagittiform
sagittocyst
sagittoid
sagless
sago
sagoin
sagolike
sagos
sagoweer
sags
saguararo
saguaros
saguing
sagum
saguran
saguranes
sagvandite
sagwire
sagy
sah
sahara
saharan
sahh
sahib
sahibs
sahidic
sahiwal
sahiwals
sahlite
sahme
sahoukar
sahras
sahuaro
sahuaros
sahukar
sai
saibling
saic
saice
sacies
said
said
saiga
saigas
saignant
saigon
sail
sailable
sailage
sailboard
sailboat
sailboater
sailboating
sailboats
sailcloth
sailed
sailer
sailers
sailfin
sailfish
sailfishes
sailflying
sailing
sailingly
sailings
sailless
sailmaker
sailmaking
sailor
sailorfish
sailoring
sailorizing
sailorless
sailorlike
sailorly
sailorman
sailorproof
sailors
sailour
sailplane
sailplaned
sailplaner
sailplaning
sails
sailship
sailsman
saily
sajous
sakai
sake
sakeber
sakeen
saker
sakeret
sakers
sakes
sak
sakieh
sakis
sakiyeh
sakko
sakkos
sakti
sakulya
sal
sala
salaam
salaamed
salaaming
salaamlike
salaams
salabilities
salability
salable
salableness
salably
salaceta
salacious
salaciously
salaciousness
salacities
salacity
salacot
salad
salad's
salada
saladang
saladangs
salade
saladero
saladin
salading
salads
salago
salagrama
salal
salamandarin
salamander
salamanderlike
salamanders
salamandra
salamandrian
salamandriform
salamandrin
salamandre
salamandroid
salamat
salambao
salame
salami
salamis
salamo
salampore
salamstone
salangane
salangid
salar
salariat
salarists
salaried
salariego
salaries
salary
salarying
salaryless
salat
salay
salband
salchow
saldid
sale
sale's
saleability
saleable
saleably
salebrous
saleeite
salegoer
salele
salem
salema
salempore
salenixon
salep
sales
saleratus
saleroom
salerooms
sales
salesclerk
salesclerks
salesgirl
salesgirls
salesian
salesite
salesladies
saleslady
salesman
salesmanship
salesmen
salespeople
salesperson
salespersons
salesroom
salesrooms
saleswoman
saleswomen
salet
saleware
salework
saleyard
salfern
salian
salian
salic
salicaceous
salicetum
salicin
salicine
salicines
salicins
salicional
salicorn
salicornia
salicyl
salicylal
salicylaldehyde
salicylamide
salicylanilide
salicylase
salicylate
salicylic
salicylide
salicylidene
salicylism
salicylize
salicylous
salicyluric
salicyyl
salience
saliences
saliencies
saliency
salient
salientian
saliently
salientness
salients
saliferous
salifiable
salification
salified
salifies
salify
salifying
saligenin
saligenol
saligot
saligram
salimeter
salimetry
salina
salinas
salination
saline
salinelle
salineness
salines
saliniferous
salinification
saliniform
salinities
salinity
salinization
salinize
salinized
salinizes
salinizing
salinometer
salinometry
salinosulphureous
salinoterreous
salique
saliretin
salisbury
salish
salite
salited
saliva
salival
salivant
salivary
salivas
salivate
salivated
salivates
salivating
salivation
salivator
salivatory
salivous
salix
sall
salle
sallee
salleeman
salleemen
sallender
sallenders
sallet
sallets
salled
sallier
salliers
sallies
salloo
sallow
sallowed
sallower
sallowest
sallowing
sallowish
sallowly
sallowness
sallows
sallowy
sally
sallying
sallyman
sallymen
sallyport
sallywood
salma
salmagundi
salmagundis
salmary
salmi
salmiac
salmin
salmine
salmis
salmon
salmonberries
salmonberry
salmonella
salmonellae
salmonellas
salmonellosis
salmonet
salmonid
salmonids
salmoniform
salmonlike
salmonoid
salmons
salmonsite
salmwood
salmatron
salol
salols
salome
salometer
salometry
salomon
salon
salon's
salonika
salons
saloon
saloon's
saloonist
saloonkeep
saloonkeeper
saloons
saloop
saloops
salopette
salopian
salp
salpa
salpacean
salpae
salpas
salpian
salpians
salpicon
salpid
salpids
salpiform
salpiglossis
salpiglossis
salpingectomy
salpingemphraxis
salpinges
salpingian
salpingion
salpingitic
salpingitis
salpingocatheterism
salpingocele
salpingocyesis
salpingomalleus
salpingonatal
salpingopalatal
salpingopalatine
salpingoperitonitis
salpingopexy
salpingopharyngeal
salpingopharyngeus
salpingopterygoid
salpingorrhaphy
salpingoscope
salpingostaphyline
salpingostenochoria
salpingostomatomy
salpingostomies
salpingostomy
salpingotomies
salpingotomy
salpips
salpoid
salps
sals
salsa
salse
salsifies
salsifis
salsify
salsilla
salsillas
salsoda
salsola
salsolaceous
salsuginose
salsuginous
salt
salta
saltando
saltant
saltarella
saltarelli
saltarello
saltarellos
saltary
saltate
saltation
saltativeness
saltato
saltator
saltatorial
saltatorian
saltatoric
saltatorily
saltatorious
saltatory
saltatras
saltbox
saltboxes
saltbrush
saltbush
saltbushes
saltcat
saltcatch
saltcellar
saltcellars
saltchuck
saltchucker
salteaux
salted
salted
salten
salter
salteretto
saltern
salters
saltery
saltest
saltfat
saltfish
saltfoot
saltgrass
salthouse
salticid
saltie
saltier
saltienda
saltiers
saltierwise
salties
saltiest
saltigrade
saltily
saltimbanco
saltimbank
saltimbankery
saltimbanque
saltine
saltines
saltiness
salting
salter
saltires
saltireways
saltirement
saltish
saltishly
saltishness
saltless
saltlessness
saltlike
saltly
saltmaker
saltmaking
saltman
saltmouth
saltiness
saltinesses
saltometer
saltorel
saltpan
saltpans
saltpeter
saltpetre
saltpetrous
saltpond
salts
saltshaker
saltspoon
saltspoonful
saltsprinkler
saltus
saltuses
saltwater
saltweed
saltwife
saltwork
saltworker
saltworks
saltwort
saltworts
salty
salubrify
salubrious
salubriously
salubriousness
salubrities
salubrity
salud
saluda
salue
salugi
saluki
salukis
salung
salus
salutarily
salutariness
salutary
salutation
salutation's
salutational
salutationless
salutations
salutatious
salutatoria
salutatorian
salutatories
salutatorily
salutatorium
salutatory
salute
saluted
saluter
saluters
salutes
salutiferous
salutiferously
saluting
salutoria
salvability
salvable
salvableness
salvably
salvador
salvadora
salvadoraceous
salvagable
salvage
salvageability
salvageable
salvaged
salvagee
salvagees
salvageproof
salvager
salvagers
salvages
salvaging
salvarsan
salvatella
salvation
salvational
salvationism
salvationist
salvations
salvator
salvatory
salve
salved
salveline
salver
salverform
salvers
salves
salvia
salvianin
salvias
salvific
salvificial
salvifically
salvifics
salving
salvinaceous
salviol
salvo
salvoed
salvoes
salvoing
salvor
salvors
salvos
salvy
salwin
salzfelle
sam
samadh
samadhi
samaj
saman
samara
samaras
samaria
samariform
samaritan
samaritans
samarium
samariums
samaroid
samarra
samarskite
samba
sambaed
sambaing
sambal
sambaqui
sambaquis
sambar
sambars
sambas
sambel
sambhar
sambhars
sambhogakaya
sambhur
sambhurs
sambo
sambos
sambouk
sambouse
sambuca
sambucas
sambuk
sambuke
sambukes
sambul
sambunigrin
sambur
samburs
same
samech
samechs
samek
samekh
samekhs
sameks
samel
sameliness
samely
samen
sameness
samenesses
samesome
samfoo
samgha
samh
samh'in
samhita
samian
samiel
samiels
samiresite
samiri
samisen
samisens
samite
samites
samiti
samizdat
samkara
samkhyə
samlet
samlets
sammel
sammer
sammier
sammy
sannani
samnite
samoan
samoan
samogon
samogonka
samohu
samory
samosatenian
samothere
samothracian
samovar
samovars
samoyed
samp
sampaguita
sampaloc
sampan
sampans
samphire
samphires
sampi
sample
sampled
sampleman
samplemen
sampler
samplers
samplery
samples
sampling
samplings
samps
samsara
samsaras
samshoo
samshu
samshus
samskara
samson
samsonian
samsonite
samuel
samuin
samurai
samurais
samvat
san
sanability
sanable
sanableness
sanai
sanataria
sanatarium
sanatariums
sanation
sanative
sanativeness
sanatoria
sanatoriria
sanatoririums
sanatorium
sanatoriums
sanatory
sanbenito
sanbenitos
sancho
sancord
sanct
sancta
sanctae
sanctanimit
sancties
sanctifiable
sanctifiableness
sanctifiably
sanctificate
sanctification
sanctifications
sanctified
sanctifiedly
sanctifier
sanctifiers
sanctifies
sanctify
sanctifying
sanctifyingly
sanctilogy
sanctiloquent
sanctimonial
sanctimonious
sanctimoniously
sanctimoniousness
sanction
sanctionable
sanctionableness
sanctionary
sanctionative
sanctioned
sanctioner
sanctioners
sanctioning
sanctionist
sanctionless
sanctionment
sanctions
sanctities
sanctitude
sanctity
sanctologist
sanctorian
sanctorium
sanctuaried
sanctuaries
sanctuarize
sanctuary
sanctuary's
sanctum
sanctums
sanctus
sancyte
sand
sandak
sandal
sandal's
sandaled
sandaliform
sandaling
sandalled
sandalling
sandles
sandalwood
sandalwoods
sandalwort
sandan
sandarac
sandheat
sandhi
sandhill
sandhis
sandhog
sandhogs
sandhya
sandia
sandier
sandies
sandiest
sandiferous
sandiness
sanding
sandiver
sandix
sandkey
sandlapper
sandless
sandlike
sandling
sandlings
sandlot
sandlots
sandlotter
sandlotters
sandman
sandmen
sandmite
sandnatter
sandnecker
sandpaper
sandpapered
sandpaperer
sandpapering
sandpapers
sandpapery
sandpeep
sandpeeps
sandpile
sandpiles
sandpiper
sandpipers
sandpit
sandpits
sandproof
sandra
sandrock
sandroller
sands
sandshoe
sandsoap
sandsoaps
sandspit
sandspout
sandspur
sandstay
sandstone
sandstones
sandstorm
sandunga
sandust
sandweed
sandweld
sandwich
sandwiched
sandwiches
sandwiching
sandwood
sandworm
sandworms
sandwort
sandworts
sandy
sandyish
sandyx
sane
saned
sanely
sanemindedness
saneness
sanenesses
saner
sanes
sanest
sanforized
sang
sanga
sangah
sangamon
sangar
sangaree
sangarees
sangars
sangas
sangei
sanger
sangerbund
sangerfest
sangers
sangfroid
sanggau
sangh
sangha
sanghs
sangil
sanglant
sangley
sanglier
sangrail
sangreal
sangreeroot
sangrel
sangria
sangrias
sangsue
sangu
sanguicolous
sanguifacient
sanguiferous
sanguification
sanguifier
sanguifluous
sanguify
sanguimotor
sanguimotory
sanguinaceous
sanguinaria
sanguinarily
sanguinariness
sanguinary
sanguine
sanguineless
sanguinely
sanguineness
sanguineobilious
sanguineophlegmatic
sanguineous
sanguineousness
sanguineovascular
sanguines
sanguinicolo
sanguiniferous
sanguinification
sanguinis
sanguinism
sanguinity
sanguinivorous
sanguinocholeric
sanguinolency
sanguinolent
sanguinometer
sanguinopoietic
sanguinopurulent
sanguinous
sanguinuity
sanguisuge
sanguisugent
sanguisugous
sanguivorous
sanhedrim
sanhedrin
sanicle
sanicles
sanidine
sanidinic
sanidine
sanies
sanification
sanify
saning
sanious
sanipractic
sanit
sanitaria
sanitarian
sanitarians
sanitaries
sanitariia
sanitariiums
sanitarily
sanitariness
sanitarist
sanitarium
sanitariums
sanitary
sanitate
sanitated
sanitates
sanitating
sanitation
sanitationist
sanities
sanitisation
sanitise
sanitised
sanitises
sanitising
sanitist
sanitization
sanitize
sanitized
sanitizer
sanitizes
sanitizing
sanitoria
sanitorium
sanity
sanjak
sanjakate
sanjakbeg
sanjaks
sanjakship
sank
sanka
sankha
sankhya
samaite
sannhemp
sannop
sannops
sannup
sannups
sannyasi
sannyasin
sannyasis
sanopurulent
sanoserous
sans
sansar
sansara
sansars
sansculot
sansculotte
sansculottic
sansculottid
sansculottish
sansculottism
sansei
sanseis
sanserif
sanserifs
sansevieria
sanshach
sansi
sanskrit
sanskritic
sant
santa
santal
santalaceous
santalic
santalin
santalol
santalwood
santapee
santar
santee
santene
santiago
santification
santii
santimi
santims
santir
santirs
santol
santolina
santols
santon
santonate
santonic
santonica
santonin
santonine
santoninic
santonins
santorinite
santos
santour
santours
santy
sanukite
sanyasi
sanzen
sao
sap
sap's
sapa
sapajou
sapajous
sapan
sapanwood
sapbush
sapek
sapele
sapful
saphead
sapheaded
sapheadedness
sapheads
saphena
saphenae
saphenal
saphenous
saphie
sapiao
sapid
sapidities
sapidity
sapidless
sapidness
sapience
sapiences
sapiencies
sapiency
sapiens
sapient
sapiential
sapientially
sapientize
sapiently
sapin
sapinda
sapindaceous
sapindaship
sapindus
sapit
sapiutan
saple
sapless
saplessness
sapling
sapling's
saplinghood
saplings
saravan
sarawakite
sarbacane
sarbican
sarcasm
sarcasm's
sarcasmproof
sarcasms
sarcast
sarcastic
sarcastical
sarcastically
sarcasticalness
sarcasticness
sarcel
sarcelle
sarcelled
sarcelly
sarcenet
sarcenets
sarcilis
sarcina
sarcinae
sarcinas
sarcine
sarcitis
sarcle
sarcler
sarcoadenoma
sarcoadenomas
sarcoadenomata
sarcoblast
sarccarcinoma
sarccarcinomas
sarccarcinomata
sarccarp
sarcocele
sarccol
sarccolla
sarccollin
sarccyst
sarccystidean
sarccystidian
sarccystoid
sarccyte
sarcode
sarcoderm
sarcoderma
sarcodes
sarcodic
sarcodictyum
sarcodous
sarcoenchondroma
sarcoenchondromas
sarcoenchondromata
sarcogenic
sarcogenous
sarcoglia
sarcoid
sarcoidosis
sarcoids
sarcolactic
sarcolemma
sarcolemmal
sarcolemmas
sarcolemmata
sarcolemmic
sarcolemmous
sarcoline
sarcolite
sarcologic
sarcological
sarcologist
sarcology
sarcolysis
sarcoyte
sarcoytic
sarcoma
sarcomas
sarcomata
sarcomatoid
sarcomatosis
sarcomatous
sarcomere
sarcomeric
sarcophagal
sarcophagi
sarcophagic
sarcophagid
sarcophagine
sarcophagize
sarcophagous
sarcophagus
sarcophaguses
sarcophagy
sarcophile
sarcophilous
sarcoplasm
sarcoplasmic
sarcoplasma
sarcoplasmat
sarcoplast
sarcoplastic
sarcopoietic
sarcoptes
sarcopic
sarcopid
sarcosepsis
sarcosept
sarcosepta
sarcoseptum
sarcosin
sarcosine
sarcosin
sarcosoma
sarcosomal
sarcosome
sarcosperm
sarcosporid
sarcosporidial
sarcosporidian
sarcosporidiosis
sarcostosis
sarcostyle
sarotheca
sarotheapeutics
sarotherapy
sarcotic
sarcous
sard
sardachate
sardana
sardanapalian
sardar
sardars
sardel
sardelle
sardian
sardine
sardines
sardinewise
sardinia
sardinian
sardinians
sardius
sardiuses
sardonian
sardonic
sardonical
sardonically
sardonism
sardonyx
sardonyxes
sards
sare
saree
sarees
sargasso
sargassos
sargassum
sargassumfish
sargassumfishes
sarge
sarges
sargo
sargos
sargus
sari
sarif
sarigue
sarín
sarinda
sarins
sarip
sarís
sark
sarkar
sarkful
sarkical
sarkine
sarking
sarkinite
sarkit
sarkless
sarks
sarky
sarlac
sarlak
sarlyk
sarmatian
sarmatier
sarment
sarmenta
sarmentaceous
sarmentiferous
sarmentose
sarmentous
sarments
sarmentum
sama
sarod
sarode
sarodes
sarodist
sarodists
sarods
aron
sarong
sarongs
aronic
aronide
aros
arothrum
arpanch
sarpedon
sarpler
arpo
arra
arracenia
arraceniacious
arracenial
arraf
sarrasin
arrazin
arrow
arrusophone
arrusophonist
arsa
arsaparilla
arsaparillas
arsaparillion
arsar
arsars
arsen
arsens
arsenet
arsenets
arsens
arsnet
arson
arsparilla
sart
sartage
sartain
sartor
sartoriad
sartorial
sartorially
sartorian
sartorii
sartorite
sartorius
sartors
sarum
sarus
sarwan
sasa
sasan
sasani
sasanqua
sasarara
sash
sashay
sashayed
sashaying
sashays
sashed
sasheries
sashery
sashes
sashimi
sashimis
sashing
sashless
sashoon
sasin
sasine
sasins
saskatchewan
saskatoon
sass
sassabies
sassaby
sassafac
sassafrack
sassafras
sassafrases
sassagum
sassandra
sassanian
satisfactional
satisfactionist
satisfactionless
satisfactions
satisfactive
satisfactorily
satisfactoriness
satisfactorious
satisfactory
satisfiability
satisfiable
satisfice
satisfied
satisfedly
satisfiedness
satisfier
satisfiers
satisfies
satisfy
satisfying
satisfyingly
satisfyingness
satispassion
sativa
sativae
sative
satlijk
satori
satori
satoris
satrap
satrapal
satrapate
satrapess
satrapic
satrapical
satrapies
satraps
satrapy
satron
satsop
satsuma
sattar
satterthwaite
sattie
sattle
sattva
sattvic
satura
saturability
saturable
saturant
saturants
saturate
saturated
saturatedness
saturater
saturates
saturating
saturations
saturator
saturday
saturday's
saturdays
saturity
saturization
saturn
saturnal
sartnali
sartnalia
sartnalian
sartnalianly
sartnalias
sartnian
sartnic
sartnicentric
sartniid
sartnine
sartninely
sartninerness
sartninity
sartnism
sartnist
sartnity
sartnize
satury
satorygraaha
satorygraahi
satoryaloka
satoryashodak
sartyr
satoryresque
satoryress
satoryrises
satoryrasis
satyric
satyrical
satyrid
satyrids
satyrine
satyrion
satyrism
satyrlike
satyromaniac
satyrs
sau
sauba
sauce
sauceboat
saucebox
sauceboxes
sauced
saucedish
sauceless
sauceline
saucemaker
saucemaking
sauceman
saucemen
sauceman's
saucemans
saucenplate
saucenpot
saucer
saucerful
saucerize
saucerized
saucerleaf
saucerless
saucerlike
saucerman
saucers
saucre
sauces
sauch
sauchs
saucier
sauciest
saucily
sauciness
saucing
saucisse
sautree
sauty
sauve
sauvegarde
sav
savable
savableness
savacu
savage
savored
savoredom
savigely
sagacious
sagager
sagageries
sagagerous
sagagers
sagagery
sages
sagages
sagagess
sagagist
sagagism
sagagisms
sagagize
savanilla
savanna
savannah
savannahs
savannas
savant
savants
savarin
savate
savates
savation
save
saveable
saveableness
saved
savelha
saveloy
saveloys
savement
saver
savers
saves
savey
savouriness
savouring
savouringly
savourless
savourous
savours
savoury
savoy
savoyard
savoyed
savoying
savoys
savssat
savvied
savvies
savvy
savvying
saw
sawah
sawali
sawarra
sawback
sawbelly
sawbill
sawbills
sawbones
sawboneses
sawbuck
sawbucks
sawbwa
sawder
sawdust
sawdustish
sawdustlike
sawdusts
sawdusty
sawed
sawer
sawers
sawfish
sawfishes
sawflies
sawflom
sawfly
sawhorse
sawhorses
sawing
sawings
saxicolous
saxifragesous
saxifragant
saxifrage
saxifragous
saxifrax
saxigenous
saxitoxin
saxon
saxonic
saxonies
saxonism
saxonite
saxons
saxony
saxophone
saxophones
saxophonic
saxophonist
saxophonists
saxotromba
saxpence
saxten
saxtie
saxtuba
saxtubas
say
say'
saya
sayability
sayable
sayableness
sayee
sayer
sayers
sayest
sayette
sayid
sayids
saying
sayings
saynay
saynete
sayonara
sayonaras
says
sayst
sayyid
scalades
scalado
scalados
scalae
scalage
scalages
scalar
scalar's
scalare
scalares
scalarian
scalariform
scalariformly
scalars
scalarwise
scalary
scalation
scalawag
scalawaggery
scalawaggy
scalawags
scald
scaldberry
scalded
scald
scaldfish
scaldic
scalding
scaldini
scaldino
scaldra
scalds
scaldweed
scaldy
scale
scaleback
scalebark
scaleboard
scaled
scaledrake
scalefish
scaleful
scaleless
scalelet
scalelike
scaleman
scalemen
scalena
scalene
scaleni
scalenoedra
scalenoedral
scalenoedron
scalenoedrons
scaleno
scalenos
scalenum
scalenus
scalepan
scalepans
scaleproof
scaler
scalers
scales
scalesman
scalesmen
scalesmith
scalet
scatetail
scalewing
scalewise
scalework
scalewort
scalf
scalf
scaler
scaler
scalier
scaliest
scaliger
scaliness
scaling
scalings
scall
scallage
scallawag
scallawagery
scallawaggy
scalled
scallion
scallions
scallola
scallom
scallop
scalloped
scalloper
scallopers
scalloping
scallopini
scallop
scallopwise
scalls
scallywag
scalma
scaldo
scalogram
scatoni
scaloppine
scalp
scalp's
scalped
scalpeen
scalpel
scalpellar
scalpellic
scalpellum
scalpellus
scalpels
scalper
scalpers
scalping
scalpless
scalplock
scalpra
scalpriform
scalprum
scalps
sculpture
scalt
scalx
scaly
scalytail
scalz
scam
scamander
scamble
scambled
scambler
scambling
scamell
scamillus
scamler
scamles
scammel
scammoniate
scammonies
scammonin
scammony
scammonyroot
scamp
scampavia
scamped
scamper
scampered
scamperer
scampering
scammers
scamphood
scampi
scampies
scamping
scampingly
scampish
scampishly
scampishness
scamps
scampsman
scams
scan
scance
scandal
scandal's
scandaled
scandaling
scandalisation
scandalise
scandalised
scandaliser
scandalising
scandalization
scandalize
scandalized
scandalizer
scandalizers
scandalizes
scandalizing
scandalled
scandalling
scandalmonger
scandalmongering
scandalmongery
scandalmonging
scandalous
scandalously
scapolitization
scapose
scapple
scappler
scapula
scapulae
scapulalgia
scapular
scapulare
scapularies
scapulars
scapulary
scapulas
scapulated
scapulectomy
scapulet
scapulette
scapulimancy
scapuloaxillary
scapulobrachial
scapuloclavicular
scapulocoracoid
scapulodynia
scapulohumeral
scapulopexy
scapuloradial
scapulospinal
scapulothoracic
scapuloulnar
scapulovertebral
scapus
scar
scar's
scarab
scarabaean
scarabaei
scarabaeid
scarabaeidoid
scarabaeiform
scarabaeoid
scarabaeus
scarabaeuses
scarabee
scaraboid
scarabs
scarabouch
scaramouche
scarborough
scarificator
scarified
scarifier
scarifies
scarify
scarifying
scarily
scariness
scaring
scaringly
scariole
scarose
scarious
scarlatina
scarlatinal
scarlatiniform
scarlatinoid
scarlatinous
scarless
scarlet
scarletberry
scarletina
scarlets
scarleseed
scarlety
scarm
scaroid
scarola
scarp
scarpa
scarpe
scarped
scarper
scarpered
scarpering
scarpers
scarpetti
scarph
scarphed
scarphing
scarphs
scarphines
scarping
scarplet
scarple
scarproof
scarps
scatophagous
scatophagy
scatscopy
scats
scatt
scatted
scatter
scatterable
scatteration
scatteraway
scatterbrain
scatterbrained
scatterbrains
scattered
scatteredly
scatteredness
scatterer
scatterers
scattergood
scattergram
scattergraph
scattergun
scattering
scatteringly
scatterings
scatterling
scatterment
scattermouch
scatterplot
scatterplots
scatters
scattershot
scattersite
scattery
scattier
scattiest
scatting
scatts
scatty
scatula
scaturient
scaul
scaum
scaup
scauper
scaupers
scaups
scaur
scenarizing
scenary
scenas
scend
scended
scendentality
scending
scends
scene
scene's
scenecraft
sceneful
sceneman
sceneries
scenery
scenes
sceneshifter
scenewright
scenic
scenical
scenically
scenist
scenite
scenograph
scenographer
scenographic
scenographical
scenographically
scenography
scension
scent
scented
scenter
scentful
scenting
scentless
scentlessness
scentproof
scents
scentwood
scepsis
scepter
scepter's
scepterdom
sceptered
sceptering
scepterless
scepters
sceptibly
sceptic
sceptical
sceptically
scepticism
scepticize
scepticized
scepticizing
sceptics
sceptral
sceptre
sceptred
sceptredom
sceptreless
sceptres
sceptring
sceptropherous
sceptrosophy
sceptr
scepine
sceuophorion
sceuophylacium
sceuophylax
scewing
scefh
scefm
sceh
schaapsteker
schadchan
shadenfreude
schairerite
schalmei
schalmey
schalstein
schanse
schanz
schapbachite
schappe
schapped
schappes
schapping
schapska
scharf
schatchen
schav
schavs
scheat
schemed
schemeful
schemeless
schemer
schemers
schemery
schemes
scheming
schemingly
schemist
schemozzle
schemy
schene
schepel
schepen
scherm
scherzando
scherzi
scherzo
scherzos
scherzoso
schesis
scheuchzeriaceeous
schiavona
schiavone
schiavones
schiavoni
schick
schiedam
schiffli
schiller
schillerfels
schillerization
schillerize
schillerized
schillerizing
schillers
schilling
schillings
schillu
schimmel
schindylesis
schindyletic
schipperke
schism
schisma
schismatic
schismatical
schizocarpic
schizocarpous
schizochroal
schizocoel
schizocoelic
schizocoelous
schizocyte
schizocytosis
schizodinic
schizogamy
schizogenesis
schizogenetic
schizogenetically
schizogenic
schizogenous
schizogenously
schizognath
schizognathism
schizognathous
schizogenic
schizogonous
schizogony
schizogregarine
schizoid
schizoidism
schizoids
schizolaenaceous
schizolute
schizolysigenous
schizomanic
schizomycete
schizomycetes
schizomycetic
schizomycetous
schizomycosis
schizonemertean
schizonemertine
schizont
schizonts
schizopelmous
schizophrenia
schizophrenic
schizophrenically
schizophrenics
schizophyceous
schizophyte
schizophytic
schizopod
schizopodal
schizopodous
schizorhinal
schizos
schizospore
schizostele
schizostelic
schizostely
schizotheecal
schizothoracic
schizothyme
schizothymia
schizothymic
schizotrichia
schiztic
schizy
schizzo
schlemiel
schlemiels
schlemihl
schlenter
schlep
schlepp
schlepped
schlepper
schlepping
schlepps
schleps
schlieren
schlieric
schlimazel
schlimazl
schlock
schlocks
schloop
schloss
schlump
schmaltz
schmaltzes
schmaltzier
schmaltziest
schmaltzy
schmalz
schmalzes
schmalzier
schnozzle
schnozzola
scho
schochat
schoche
schochet
schoenan
schoenobatic
schoenobatist
schoenus
shokker
schola
scholae
scholaptitude
scholar
scholarch
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
scholarch
scholarch
scholar
schoolage
schoolbag
schoolbook
schoolbookish
schoolbooks
schoolboy
schoolboy's
schoolboydom
schoolboyhood
schoolboyish
schoolboyishly
schoolboyishness
schoolboyism
schoolboys
schoolbutter
schoolchild
schoolchildren
schoolcraft
schooldame
schooldays
schooldom
schooled
schooler
schoolers
schoolery
schoolfellow
schoolfellowship
schoolful
schoolgirl
schoolgirlhood
schoolgirlish
schoolgirlishly
schoolgirlishness
schoolgirlism
schoolgirls
schoolgirly
schoolgoing
schoolhouse
schoolhouse's
schoolhouses
schoolie
schooling
schoolingly
schoolish
schoolkeeper
schoolkeeping
schoolless
schooners
schooper
schoppen
schorenbergite
schorl
schorlaceous
schorlomite
schorlous
schorls
schorly
schottische
schottish
schout
schouw
schradan
schrank
schraubthaler
schrecklich
schrebersite
schreiner
schreinerize
schreinerized
schreinerizing
schriesheimite
schrik
schriks
schrother
schrund
schryari
schtick
schticks
schtoff
schubert
schuh
schuhe
schuit
schuits
schul
schule
schuln
schultenite
schultz
schultze
schungite
schuss
schussboomer
schussboomers
schussed
scimiterpod
scimiters
scincid
scincidoid
scinciform
scincoid
scincoidian
scincoids
scind
sciniph
scintigraphic
scintigraphy
scintil
scintilla
scintillant
scintillantly
scintillas
scintillate
scintillated
scintillates
scintillating
scintillatingly
scintillation
scintillations
scintillator
scintillators
scintillescent
scintillize
scintillometer
scintilloscope
scintilloscope
scintillose
scintillous
scintillously
scintle
scintled
scintler
scintling
sciograph
sciographic
sciography
sciolism
sciolisms
sciolist
sciolistic
sciolists
sciolous
scioltto
sciomachiology
sciomachy
sciomancy
sciomantic
scion
scions
sciophilous
sciophobia
sciophyte
scioptic
sciopticon
scioptics
scioptric
sciosophies
sciosophist
sciosophy
scioterical
scioterique
sciotheism
sciotheric
sciotherical
sciotherically
scious
scirenga
scirocco
sciroccos
scirrh
scirrhogastria
scirrhoid
scirrhoma
scirrhosis
scirrhosity
scirrhous
scirrhus
scirrhuses
scirrocity
scirtopod
scirtopodous
sciscitation
scissel
scissible
scissil
scissile
scission
scissions
scissiparity
scissor
scissorbill
scissorbird
sclerectasia
sclerectomies
sclerectomy
scleredema
sclereid
sclereids
sclerema
sclerencephalia
sclerenchyma
sclerenchymatous
sclerenchyme
sclererythrin
scleretinite
scleriasis
sclerification
sclerify
sclerite
sclerites
scleritic
scleritis
sclerized
sclerobase
sclerobasic
scleroblast
scleroblastema
scleroblastemtic
scleroblastic
scleroauly
sclerochorioiditis
sclerochorioiditis
sclerocojunctival
sclerocojunctivitis
sclerocornea
sclerocorneal
sclerodactyia
sclerodactyly
sclerodema
scleroderma
sclerodermatitis
sclerodermatous
sclerodermia
sclerodermic
sclerodermite
sclerodermitic
sclerodermitis
sclerodermitous
sclerogen
sclerogenic
sclerogenoid
sclerogenous
scleroid
scleroiritis
sclerokeratitis
sclerokeratoiritis
scleroma
scleromas
scleromata
scleromeninx
scleromere
sclerometer
sclerometric
scleronychia
scleronyxis
sclerophthalmia
sclerophyll
sclerophyllous
sclerophylly
scleroprotein
sclerosal
sclerosarcoma
scleroscope
sclerose
sclerosed
scleroseptum
scleroses
sclerosing
sclerosis
sclerosis
scleroskeletal
scleroskeleton
sclerostenosis
sclerostomiasis
sclerotal
sclerote
sclerotia
sclerotial
sclerotic
sclerotica
sclerotical
scleroticectomy
scleroticochorioiditis
scleroticocchoroiditis
scleroticonyxis
scleroticotomy
sclerotin
sclerotinal
sclerotiniose
sclerotoid
sclerotitic
sclerotitis
sclerotium
sclerotization
sclerotized
sclerotoid
sclerotome
sclerotomic
sclerotomies
sclerotomy
sclerous
scleroxanthin
sclerozone
sciff
sclim
sclimb
scoad
scob
scobby
scobicular
scobiform
scobs
scodgy
scoff
scofed
scoffer
scoffers
scoffery
scoffing
scoffingly
scoffingstock
scofflaw
scofflaws
scoffs
scog
scoggan
scogger
scoggin
scogginism
scogginist
scogie
scoinson
scoke
scobl
scold
scoldable
scolded
scoldenore
scolder
scolders
scolding
scoldingly
scoldings
scolds
scolec
scolec
scoleciasis
scolecid
scoleciform
scolecite
scolecid
scolecos
scolecospore
scoleryng
scolex
scoley
scolia
scolices
scoliid
scoliographic
scoliokyposis
scolioma
scoliomas
scoliometer
scolion
scoliarachitic
scoliosis
scoliotic
scoliotone
scolite
scollop
scolloped
scolloper
scolloping
scollops
scoloc
scolog
scolopaceous
scolopacine
scolopendra
scolopendrelloid
scolopendrid
scolopendriform
scolopendrine
scolopendrium
scolopendroid
scolopes
scolophere
scolopophore
scolops
scolytid
scolytidae
scolytics
scolytoid
scolytus
scomber
scomberoid
scombrid
scombriform
scombrane
scombredean
scombroidean
scombrone
scomfit
scomm
sconce
sconced
sconcer
sconces
sconcheon
sconcible
sconcing
scone
scones
scooch
scoon
scoop
scooped
scooper
scoopers
scoopful
scoopfulfuls
scoopfuls
scooping
scoopingly
scoops
scoopsful
scot
scooted
scooter
scooters
scooting
scopulate
scopuliferous
scopuliform
scopuliped
scopulite
scopulous
scopulousness
scorbuch
scorbute
scorbutic
scorbutical
scorbutically
scorbitize
scorbutus
score
scorch
scorched
scorcher
scorchers
scorches
scorching
scorchingly
scorchingness
scorchproof
scorches
scordato
scordatura
scordaturas
scordature
scordium
score
scoreboard
scoreboards
scorebook
scorecard
scored
scorekeeper
scorekeeping
scoreless
scorepad
scorepads
scorer
scorers
scores
scoresheet
scoria
scoriac
scoriaceous
scoriae
scorification
scorified
scorifier
scorifies
scoriform
scorify
scorifying
scoring
scorings
scorious
scorlcle
scorn
scorned
scorner
scorners
scornful
scornfully
scornfulness
scorning
scorningly
scornproof
scorns
scorny
scorodite
scorpaena
scorpaenid
scorpaenoid
scorpene
scorper
scorpio
scorpioid
scorpoidal
scorpion
scorpion's
scorpionfish
scorpionfishes
scorpionflies
scorpionfly
scorpionic
scorploid
scorpions
scorpionweed
scorpionwort
scorpios
scorse
scorser
scortation
scotsmen
scott
scottice
scotticism
scotticize
scottie
scotties
scottish
scouch
scouk
scoundrel
scoundrel’s
scoundredom
scoundrelish
scoundrelism
scoundrelly
scoundrels
scoundrelship
scoup
scour
scourage
scoured
scourer
scourers
scouress
scourfish
scourishes
scourge
scourged
scourger
scourgers
scourges
scourging
scouringly
scouriness
scouring
scourings
scours
scourway
scourweed
scourwort
scoury
scouse
scouses
scout
scoutcraft
scoutdom
scouted
scraunch
craw
scawk
scrawl
scrawled
scrawler
scrawlers
scrawler
scrawliest
scrawliness
scrawling
scrawls
scawly
crawm
scrawnier
scrawniest
scrawnily
scrawniness
scawny
scray
scraye
scraze
screak
screaked
screaking
screaks
screaky
scream
screamed
screamer
screamers
screaminess
screaming
screamingly
screamproof
screams
screamy
screar
scree
screech
screechbird
screeched
screecher
screeches
screechier
screechiest
screechily
screechiness
screwballs
screwbarrel
screwbean
screwdrive
screwdriver
screwdrivers
screwed
screw
screwers
screwfly
screwhead
screwier
screwiest
screwiness
screwing
screwish
screwless
screwlike
screwman
screwmatics
screwpile
screwplate
screwpod
screwpropeller
screws
screwship
screwsman
screwstem
screwstock
screwwise
screwworm
screwy
scrchar
scribable
scribacious
scribaciousness
scribal
scribals
scribanne
scribacious
scribatical
scribaticalness
scribbet
scribblage
scribblative
scribbulatory
scribble
scribbleable
scribbled
scrimpit
scrimply
scrimpness
scrimps
scrimption
scrimpy
scrim
scrimshander
scrimshandy
scrimshank
scrimshanker
scrimshaw
scrimshaws
scrimshon
scrimshorn
scrimy
scrin
scrinch
scrine
scringe
scrina
scrinia
scriniry
scrinium
scrip
scripee
scripless
scrippage
scrips
scripsit
script
script's
scripted
scripter
scripting
scription
scriptitious
scriptitiously
scriptitory
scriptive
scripto
scriptor
scriptoria
scriptorial
scriptorium
scriptoriums
scriptory
scripts
scriptum
scrobiculated
scrobicule
scrobiculus
scrobis
scrod
scrodled
scroggill
scrods
scroff
scrofula
scrofularoot
scrofulas
scrofulaweed
scrofulide
scrofulism
scrofulitic
scrofuloderm
scrofuloderma
scrofulorachitic
scrofulosis
scrofulotuberculous
scrofulous
scrofulously
scrofulousness
scrog
scrogged
scroggie
scroggier
scroggiest
scroggy
scrogie
scrogs
scroinoch
scroinogh
scrolar
scroll
scrolled
scollery
scrollhead
scrolling
scrolls
scrollwise
scrollwork
scolly
scronach
scroo
scrooch
scrooge
scroges
scroop
scrooped
scrooping
scroops
scrophularia
scrophulariaceous
scrota
scrotal
scrotectomy
scrotiform
scrotitis
scrotocele
scrotofemoral
scrotta
scrotum
scrotums
scrouge
scrouged
scrouger
scrouges
scrouging
scrounge
scrounged
scrounger
scroungers
scrounges
scroungier
scroungiest
scrounging
scroungy
scrount
scrow
scroyle
scrub
scrubbable
scrubbed
scrubber
scrubbers
scrubbery
scrubbier
scrubbiest
scrubbily
scrubbiness
scrubbing
scrubbird
scrubblily
scrubboard
scubas
scud
scuddaler
scuddawn
scudded
scudder
scuddick
scudding
scuddle
scuddy
scudi
scudler
scudo
scuds
scuff
scuffed
scuffer
scuffling
scuffle
scuffled
scuffler
scufflers
scuffles
scuffling
scufflingly
scuffy
scuffs
scuffy
scuft
scuter
scug
scuggery
sculch
sculdudderies
sculduddery
sculdugger
sculk
sculked
sculker
sculkers
sculking
sculks
scull
scullduggery
sculled
sculler
sculleries
scullers
scullery
sculful
sculling
scullion
scullionish
scullionize
scullions
scullionship
scullog
scullogue
sculls
sculp
sculped
sculper
sculpin
sculpting
sculps
sculpsit
sculpt
sculpted
sculptile
sculpting
sculptitory
sculptograph
sculptography
sculptor
sculptor's
sculptors
sculptress
sculptresses
sculpts
sculptural
sculpturally
sculpturation
sculpture
sculptured
sculpturer
sculptures
sculpturesque
sculpturesquely
sculpturesqueness
sculpturing
sculsh
scult
scum
scumber
scumble
scurfiness
scurflike
scurfs
scurfy
scurling
scurried
scurrier
scurries
scurril
scurrile
scurrilist
scurrilities
scurrility
scurrilize
scurrilous
scurrilously
scurrilousness
scurry
scurrying
scurvied
scurvier
scurvies
scurviest
scurvily
scurviness
scurvish
scurvy
scurvyweed
scusation
scuse
scusin
scut
scuta
scutage
scutages
scutal
scutate
scutated
scutatiform
scutation
scutch
scutched
scutcheon
scutcheoned
scutcheonless
scutcheonlike
scutcheons
scutcheonwise
scutcher
cutchers
scutches
scutching
scutchs
scute
scutel
scutella
scutellae
scutellar
scutellarin
scutellate
scutellated
scutellation
scutellerid
scutelliform
scutelligerous
scutelliplantar
scutelliplantation
scutellum
scutes
scutibranch
scutibranchian
scutibranchiate
scutifer
scutiferous
scutiform
scutiger
scutigeral
scutigerous
scutiped
scuts
scutta
scutter
scuttered
scuttering
scutters
scuttle
scuttlebutt
scuttled
scuttleful
scuttleman
scuttler
scattles
scutting
scuttock
scutty
scutula
scutular
scutulate
scutulated
scutulum
scutum
scuz
scuzzy
scybalal
scybalous
scybalum
seye
scyellite
scylla
scyllarian
scyllaroid
scyllioid
scylliorhinoid
scylite
scyllitol
scypha
scyphae
scyphate
scyphi
scyphiferous
scyphiform
scyphiphorous
scyphistoma
scyphistomae
scyphistomas
scyphistmoid
scyphistomous
scyphoi
scyphomancy
scyphomedusan
scyphomedusoid
scyphophore
scyphophorous
scyphopolyp
scyphose
scyphostoma
scyphozoan
scyphula
scyphula
scyphus
scypphi
scyt
scytale
scythe
scythe’s
scythed
scytheless
scythe-like
scythe man
scythes
scythesmith
scythe stone
scythework
scythian
scything
scytitis
scytoblastema
scytedepsic
scytonemataceous
scytonematoid
scytonematous
scytopetalaceous
sd
sdeath
sdeign
sdlc
sdruciola
sds
sdump
se
se’nnight
sea
seabag
seabags
seabank
seabeach
seabeaches
seaboard
seabed
seabeds
seabee
seaberry
seabird
seabirds
seaboard
seaboards
seaboot
seaboots
seaborderer
seaborne
seabound
seacannie
searchlights
searchment
searcloth
seared
searedness
searer
searest
searing
searingly
searlesite
searness
searoving
sears
seary
seas
seascape
seascapes
seascapist
seascout
seascouting
seascouts
seashell
seashells
seashine
seashore
seashore's
seashores
seasick
seasickness
seaside
seasider
seasides
seasnail
season
seasonable
seasonableness
seasonably
seasonal
seasonality
seasonally
seasonalness
seasoned
seasonedly
seasoner
seasoners
seasoning
seasoninglike
seasonings
seasonless
seasons
seastar
seastrand
seastroke
seat
seatang
seatbelt
seated
seater
seaters
seathe
seating
seatings
seatless
seatmate
seatmates
seatrain
seatrails
seatron
seats
seatsman
seatstone
seattle
seatwork
seatworks
seave
seavy
seawall
seawalls
seawan
seawans
seawan
seawants
seaward
seawardly
seawards
seaware
seawares
seawater
seawaters
seaway
seaways
seaweed
seaweeds
seaweedy
seawife
seawoman
secede
seceded
seceder
seceders
secedes
seceding
secern
secerned
secernent
secerning
secernment
secerns
secesh
secesher
secess
secession
secessional
secessionalist
secessioner
secessionism
secessionist
secessionists
secessions
sech
seck
seckel
seclude
secluded
secludedly
secludedness
secludes
secluding
secluse
seclusion
seclusionist
seclusive
seclusively
seclusiveness
seeno
secobarbital
secodont
secohm
secohmometer
secional
second
secondary
secondaries
secondarily
secondariness
secondary
seconde
seconded
seconder
seconders
secondes
secondhand
secondhanded
secondhandedly
secondhandedness
secondi
secondine
secondines
seconding
secondly
secondment
secondness
secondo
secondrater
seconds
secondsighted
secondsightedness
secos
secours
secpar
separs
secque
secration
secre
secrecies
secrecy
secret
secreteta
secretage
secretagogue
secretaire
secretar
secretarial
secretarian
secretariat
secretariat
secretatiats
secretaries
secretary
secretary's
secretaryship
secretaryships
sectional
district
districted
districting
districtal
districtality
districtalization
districtize
districtized
districtizing
sectionally
sectionary
sectioned
sectioning
sectionist
sectionize
sectionize
sectionized
sectionizing
sections
sectioplanography
sectism
sectist
sectiuncle
sective
sector
sector's
sectoral
sectored
sectorial
sectoring
sectors
sectroid
sects
sectuary
sectwise
secular
secularisation
secularise
secularised
seculariser
secularising
secularism
secularist
secularistic
secularists
secularities
secularity
secularization
secularize
secularized
secularizer
secularizers
secularizes
secularizing
secularly
secularness
seculars
seculum
secund
secunda
secundate
secundation
secundiflorous
secundigravida
secundine
secundines
secundipara
secundiparity
secundiparous
secundly
secundogeniture
secundoprimarv
secundum
secundus
securable
securableness
securance
secure
secured
secureful
securely
securement
secureness
securer
securers
secures
securest
securicornate
securifer
securiferous
securiform
securigerous
securing
securings
sedimentaries
sedimentarily
sedimentary
sedimentate
sedimentation
sedimented
sedimenting
sedimentologic
sedimentological
sedimentologically
sedimentologist
sedimentology
sedimentous
sediments
sedimetric
sedimetrically
sedimetric
sediment
sedimentary
sedition
seditionary
seditionist
seditionists
seditious
seditiously
seditiousness
sedjadeh
seduce
seduceability
seduceable
seduced
seudee
seduction
seductions
seductive
seductively
seductiveness
seductress
seductresses
sedulities
seedman
seedmen
seedness
seedpod
seedpods
seeds
seedsman
seedsmen
seedstalk
seedster
seedtime
seedtimes
seedy
seege
seeing
seeingly
seeingness
seeings
seek
seeker
seekers
seeking
seeks
seel
seeled
seelful
seelily
seeliness
seeling
seels
seely
seem
seemable
seemably
seemed
seemer
seemers
seeming
seemingly
seemingness
seemings
seemless
seemlier
seemliest
seemlihead
seemlihead
seemlily
seemliness
seemly
seems
seen
seenie
seenil
seep
seepage
seepages
seeped
seepier
seepiest
seeping
seepproof
seeps
seepweed
seepy
seer
seerband
seercraft
seeress
seeresses
seerfish
seerhand
seerhood
seerlike
seerpaw
seers
seership
seersucker
sees
seesaw
seesawed
seesawiness
seesawing
seesaws
seese
seethe
seethed
seether
seethes
seething
seethingly
seetulputty
seewee
sefton
seg
segar
segathy
segetal
seining
seiren
seirospore
seirosporic
seis
seisable
seise
seised
seiser
seisers
seises
seisin
seising
seisings
seisins
seism
seismal
seismatical
seismetic
seismic
seismical
seismically
seismicity
seismism
seismisms
seismochronograph
seismogram
seismograms
seismograph
seismographer
seismographers
seismographic
seismographical
seismographs
seismography
seismol
seismologic
seismological
seismologically
seismologist
seismologists
seismologue
seismology
seismometer
seismometers
seismometric
seismometrical
seismometrograph
seismometry
seismomicrophone
seismoscope
seismoscopic
seismotectonic
seismotherapy
seismotic
seisms
seisor
seisors
seisure
seizures
seit
seity
seizable
seize
seized
seizer
seizers
seizes
seizin
seizing
seizings
seizins
seizor
seizors
seizure
seizure's
seizures
sejant
sejeant
sejero
sejoin
sejoined
sejour
sejugate
sejugous
sejunct
sejunction
sejunctive
sejunctively
sejunctly
sekere
sekos
sel
selachian
selachoid
selachostome
selachostomous
seladang
seladangs
selaginella
selaginellaceous
selagite
selago
selah
selahs
selamin
selamlik
selamliks
selander
selaphobia
selbergite
selcouth
seld
selden
seldom
seldomcy
seldommer
seldomly
seldomness
seldor
seldseen
sele
select
selectable
selectance
selected
selectedly
selectee
selectees
selecting
selection
selection's
selectional
selectionism
selectionist
selectionists
selections
selective
selectively
selectiveness
selectivity
selectivitysenescence
selectly
selectman
selectmen
selectness
selector
selector's
selectors
selects
selectus
selenate
selenates
selene
selenian
seleniate
selenic
selenide
selenides
seleniferous
selenigenous
selenion
selenious
selenite
selenites
selenitic
selenitical
selenitiferous
selenitish
selenium
selenium
seleniums
seleniuret
selenobismuthite
selenocentric
selenodesy
selenodont
selenodonty
selenograph
selenographer
selenographers
selenographic
selenographical
selenographically
selenographist
selenography
selenolatry
selenolog
selenological
selenologist
selenology
selenomancy
selenomorphology
selenoscope
selenosis
selenotropic
selenotropism
selenotropy
selenous
selsilver
selsulphur
seletar
selety
seleucia
self
selfadjoint
selficide
selfdom
selfdoms
selfed
selfeffacing
selfful
selffulness
selfheal
selfheals
selfhood
selfhoods
selfhypnotization
selfing
selfish
selfishly
selfishness
selfism
selfist
selfless
selflessly
selflessness
selflike
selfly
selfmovement
selfness
selfnesses
selfpreservatory
selfpropelling
selfrestrained
selfs
selfsaid
selfsame
selfsameness
selfseekingness
selfsufficiency
semainier
semainiers
semaise
semang
semanteme
semantic
semantical
semantically
semantician
semanticist
semanticist's
semanticists
semantics
semantological
semantology
semantron
semaphore
semaphore's
semaphored
semaphores
semaphoric
semaphorical
semaphorically
semaphoring
semaphorist
semarum
semasiological
semasiologically
semasiologist
semasiology
semateme
sematic
sematographic
sematography
sematology
sematrope
semball
semblable
semblably
semblance
semblances
semblant
semblative
semble
semblence
sembling
seme
seme
semeed
semeia
semeiography
semeiologic
semeiological
semeiologist
semeiology
semeion
semeiotic
semeiotical
semeiotics
semel
semelfactive
semelincident
semelparity
semelparous
sememe
sememes
sememic
semen
semente
semence
semencinae
semencontra
semens
sement
sementera
semes
semese
semester
semester's
semesters
semestral
semestrial
semi
semiabsorbent
semiabstract
semiabstracted
semiabstraction
semiacademic
semiacademical
semiacademically
semiaccomplishment
semiacetic
semiacid
semiacidic
semiacidified
semiacidulated
semiacquaintance
semiannular
semianthracite
semianthropic
semianthropologic
semianthropological
semitimisterial
semitique
semitape
demiaperiodic
demiaperture
demiappressed
demiatic
semitareal
demiartorescent
demiarc
demiarch
semitarchitectural
semitarchitecturally
demiardid
demiardity
demiarticulate
demiarticulately
demiaphallic
demiantheist
demiatached
demiautomated
demiomatic
demiautomatically
demiautomatics
demiautonomous
demiasis
semibacchanalian
semibachelor
semibald
semibaldly
semibaldness
semibalked
semiball
semiballoon
semiband
semibabarian
semibaharianism
semibabharic
semibaharism
semibabharous
semibaronial
semibareen
semibare
semibasement
semibastion
semibay
semibeam
semibejan
semibelted
semibifid
semibiographic
semibiographical
semibiographically
semibiologic
semibiological
semibiologically
semibituminous
semiblasphemous
semiblasphemously
semiblasphemousness
semibleached
semiblind
semiblunt
semibody
semiboiled
semibold
semibolshevist
semibolshevized
semibouffant
semibourgeois
semibreve
semibull
semibureaucratic
semibureaucratically
semiburrowing
semic
semicabalistic
semicabalistical
semicabalistically
semicadence
semicalcareous
semicalcined
semicallipygian
semicanal
semicanalis
semicannibalic
semicantilever
semicapitalistic
semicapitalistically
semicarbazide
semicarbazone
semicarbonate
semicarbonize
semicardinal
semicaricatural
semicartilaginous
semicarved
semicastrate
semicastration
semicatalyst
semicatalytic
semicathartic
semicatholicism
semicaudate
semicelestial
semicell
semicellulose
semicellulous
semicentenarian
semicentenaries
semicentenary
semicentennial
semicentury
semicha
semichannel
semichaotic
semichaotically
semichemical
semichemically
semicheviot
semichevron
semichiffon
semichivalrous
semichoric
semichorus
semichrome
semichorus
semicircle
semicircled
semicircles
semicircular
semicircularity
semicircularly
semicircularness
semicircumference
semicircumferentor
semicircumvolution
semicirque
semicitizen
semicivilization
semicivilized
semiclassic
semiclassical
semiclassically
semiclaue
semicleric
semiclerical
semiclerically
semiclimber
semiclimbing
semiclinical
semiclinically
semiclose
semiclosed
semiclosure
semicoagulated
semicoke
semicollapsible
semicollar
semicollegiate
semicollodion
semicolloidal
semicolloquial
semicolloquially
semicolon
semicolon's
semicolonial
semicolonialism
semicolonially
semicolons
semicolly
semicolumn
semicolumnar
semicoma
semicomas
semicomatose
semicombined
semicombust
semicomic
semicomical
semicomically
semicommercial
semicommercially
semicommunicative
semicomplete
semicompacted
semicomplicated
semiconceal
semiconealed
semiconcrete
semiconditioned
semiconducting
semiconductor
semiconductor's
semiconductors
semicone
semiconfident
semiconfinement
semiconfluent
semiconformist
semiconformity
semiconic
semiconical
semiconically
semiconnate
semiconnection
semiconoidal
semiconscious
semiconsciously
semiconsciousness
semiconservative
semiconservatively
semiconsonant
semiconsonantal
semiconspicuous
semicontinent
semicontinuous
semicontinuously
semicontinuum
semicontraction
semicontradiction
semiconventional
semiconventionality
semiconventionally
semiconvergence
semiconvergent
semiconversion
semiconvert
semicope
semicordate
semicordated
semicoriaceous
semicorneous
semicoronate
semicoronated
semicoronet
semicostal
semicostiferous
semicotton
semicotyle
semicounterarch
semicountry
semicrepe
semicroscentic
semicretin
semicretinism
semicriminal
semicroma
semicrome
semicrustaceous
semicrystalline
semicrystalline
semicubical
semicubit
semicultivated
semicultured
semicup
semicupe
semicupium
semicupola
semicured
semicurl
semicursive
semicurvilinear
semicyclic
semicycloid
semicylinder
semicylindric
semicylindrical
semicyncical
semicyncically
semidaily
semidangerous
semidangerously
semidangerousness
semidark
semidarkness
semidead
semideaf
semideafness
semidecadent
semidecadently
semidecay
semidecayed
semidecussation
semidefensive
semidefensively
semidefensiveness
semidefined
semidefinite
semidefinitely
semidefiniteness
semideific
semideification
semideify
semideistical
semideity
semidelight
semidelirious
semidelirium
semideltaic
semidemented
semidenatured
semidependence
semidependent
semidependently
semideponent
semidesert
semideserts
semidestruction
semidestructive
semidetached
semidetachment
semideterministic
semideveloped
semidiagrammatic
semidiameter
semidiapason
semidiapente
semidiaphaneity
semidiaphanous
semidiaphanously
semidiaphanousness
semidiatessaron
semidictatorial
semidictatorially
semidictatorialness
semidifference
semidigested
semidigitigrade
semidigression
semidilapidation
semidine
semidiness
semidirect
semidirectness
semidisabled
semidisk
semiditone
semidiurnal
semidivided
semidivine
semidivision
semidivisive
semidivisively
semidivisiveness
semidocumentary
semidodecagon
semidole
semidome
semidomed
semidomes
semidomestic
semidomestically
semidomesticated
semidomestication
semidomical
semidominant
semidormant
semidouble
semidrachm
semidramatic
semidramatical
semidramatically
semidress
semidressy
semidried
semidry
semidrying
semiductile
semidull
semiduplex
semidurables
semiduration
semiearly
semieducated
semieffigy
semiegg
semiegret
semielastic
semielastically
semielevated
semiellision
semiellipse
semiellipsis
semiellipsoidal
semielliptic
semielliptical
semiemotionlal
semiemotionally
semiempirical
semiempirically
semienclosed
semienclosure
semiengaged
semiepic
semiepical
semiepically
semiequitant
semierect
semierectly
semierectness
semieremitical
semiessay
semievergreen
semiexclusive
semiexclusively
semiexclusiveness
semiexecutive
semiexhibitionist
semiexpanded
semiexpansible
semiexperimental
semiexperimentally
semiexplanation
semiexposed
semiexpositive
semiexpository
semiexposure
semiexpressionistic
semiexternal
semiexternalized
semiexternally
semiextinct
semiextincttion
semifable
semifabulous
semifailure
semifamine
semifascia
semifasciated
semifashion
semifast
semifatalistic
semiferal
semiferous
semifeudal
semifeudalism
semifib
semifiction
semifictional
semifictionalized
semifictionally
semifigurative
semifiguratively
semifigurativeness
semifigure
semifinal
semifinalist
semifinals
semifine
semifinish
semifinished
semifiscal
semifistular
semifit
semifitted
semifitting
semifixed
semiflashproof
semiflex
semiflexed
semiflexible
semiflexion
semiflexure
semiflint
semifloating
semifloret
semifloscular
semifloscule
semiflosculose
semiflosculous
semifluctuant
semifluctuating
semifluid
semifluidic
semifluidity
semifoaming
semiforbidding
semiforeign
semiform
semiformal
semiformed
semifossil
semifossilized
semifrantic
semifrater
semifriable
semifrontier
semifuddle
semifunctional
semifunctionalism
semifunctionally
semifurnished
semifused
semifusion
semifuturistic
semify
semigala
semigelatinous
semigentleman
semigenuflection
semigeometric
semigeometrical
semigeometrically
semigirder
semiglaze
semiglazed
semiglobe
semiglobose
semiglobular
semiglobularly
semiglorious
semigloss
semiglutin
semigid
semigovernmental
semigovernmentally
semigrainy
semigranitic
semigranulate
semigraphic
semihydrobenzoinic
semihyperbola
semihyperbolic
semihyperbolical
semihysterical
semihysterically
semiintoxicated
semijealousy
semijocular
semijocularly
semijubilee
semijudicial
semijudicially
semijuridic
semijuridical
semijuridically
semikah
semilanceolate
semilate
semilatent
semilatus
semileafless
semilegal
semilegendarry
semilegislative
semilegislatively
semilens
semilenticular
semilethal
semiliberal
semiliberalism
semiliberrally
semilichen
semiligeneus
semilimber
semilined
semiliquid
semiliquidity
semiliterate
semilocular
semilog
semilogarithmic
semilogical
semilong
semilooper
semiloose
semilor
semiloyalty
semilucent
semiluminous
semiluminously
semiluminousness
semilunar
semilunare
semilunary
semilunate
semilunated
semilunation
semilune
semilustrous
semiluxation
semiluxury
semilyric
semilyrical
semilyrically
semimachine
semimade
semimadman
semimagical
semimagically
semimagnetic
semimagnetical
semimagnetically
semimajor
semimalicious
semimaliciously
semimaliciousness
semimalignant
semimalignantly
semimanagerial
semimanagerially
semimanneristic
semimanufacture
semimanufactured
semimanufactures
semimarine
semimarking
semimat
semimaterialistic
semimathematical
semimathematically
semimatt
semimatte
semimature
semimaturely
semimatureness
semimaturity
semimechanical
semimechanistic
semimedicinal
semimember
semimembranosus
semimembranous
semimenstrual
semimercerized
semimessianic
semimetal
semimetallic
semimetamorphosis
semimetaphoric
semimetaphorical
semimetaphorically
semimicro
semimicroanalysis
semimicrochemical
semimild
semimildness
semimilitary
semimill
semimineral
semimineralized
semiminess
semiminim
semiministerial
semiminor
semimobile
semimoderate
semimoderately
semimoist
semimolecule
semimonarchic
semimonarchical
semimonarchically
semimonastic
semimonitor
semimonopolistic
semimonopoly
semimonster
semimonthlies
semimonthly
semimoralistic
semimoron
semimountainous
semimountainously
semimucous
semimute
semimystic
semimystical
semimystically
semimysticalness
semimythic
semimythical
semimythically
semina
seminaked
semina
seminal
seminality
seminally
seminaphthalidine
seminaphthylamine
seminar
seminar’s
seminarcosis
seminarcotic
seminarial
seminarian
seminarianism
seminarians
seminaries
seminarist
seminaristic
seminarize
seminarrative
semins
seminary
seminary's
seminasal
seminasality
seminasally
seminase
seminatant
seminate
seminated
seminating
semination
seminationalism
seminationalistic
seminationalization
seminationalized
seminative
seminebulous
seminecessary
seminegro
seminervous
seminervously
seminervousness
seminess
semineurotic
semineurotically
seminuneutral
seminu neutrality
seminiferal
seminiferous
seminific
seminical
seminification
seminist
seminium
seminivorous
seminocturnal
seminole
seminoles
seminoma
seminomad
seminomadic
seminomadically
seminomadism
seminomas
seminomata
seminonconformist
seminonflammable
seminonsensical
seminormal
seminormality
seminormally
seminormalness
seminose
seminovel
seminovelty
seminude
seminudity
seminule
seminuliferous
seminuria
seminvariant
seminvariantive
semiobjective
semiobjectively
semiobjectiveness
semioblivion
semioblivious
semiobliviously
semiobliviousness
semiobscurity
semioccasional
semioccasionally
semiocclusive
semiocctagonal
semiofficial
semiofficially
semiography
semiological
semiologist
semiology
semiopacity
semiopacous
semiopal
semiopalescent
semiopaque
semiopen
semiopened
semiopenly
semiopenness
semioptimistic
semioptimistically
semiortorical
semiortorically
semiorb
semiorbicular
semiorbicularis
semiorbiculate
semiordinate
semiorganic
semiorganically
semiorganized
semioriental
semiorientally
semiorthodox
semiorthodoxly
semioscillation
semioses
semiosis
semiosseous
semiostracism
semiotic
semiotical
semiotical
semiotician
semiotics
semioval
semiovably
semiovalness
semiovaloid
semiovate
semioviparous
semiovvoid
semiovvoidal
semioxidated
semioxidized
semioxygenated
semioxygenized
semipacifist
semipacific
semipagan
semipaganish
semipalmate
semipalmated
semipalmination
semipanic
semipapal
semipapist
semiparabola
semiparallel
semiparalysis
semiparalytic
semiparalyzed
semiparameter
semiparasite
semiparasitic
semiparasitism
semiparochial
semipassive
semipassively
semipassiveness
semipaste
semipastoral
semipastorally
semipasty
semipathologic
semipathological
semipathologically
semipatriot
semipatriotic
semipatriotically
semipatterned
semipause
semipeace
semipeaceful
semipeacefully
semipectinate
semipectinated
semipectoral
semiped
semipedral
semipedantic
semipedantical
semipedantically
semipellucid
semipellucidity
semipendent
semipendulous
semipendulously
semipendulousness
semipenniform
semiperceptive
semiperfect
semiperimeter
semiperimetry
semiperiphery
semipermanent
semipermanently
semipermeability
semipermeable
semiperoid
semiperspicuous
semipertinent
semiperviness
semipervious
semiperviousness
semipetaloid
semipetrified
semiphase
semiphenomenal
semiphenomenally
semiphilologist
semiphilosophic
semiphilosophical
semiphilosophically
semiphlogisticated
semiphonotypy
semiphosphorescence
semiphosphorescent
semiphrenetic
semipictorial
semipictorially
semipinacolic
semipinacolin
semipinnate
semipious
semipiously
semipiousness
semipiscine
semiplantigrade
semiplastic
semiplumaceous
semiplume
semipneumatic
semipneumatical
semipneumatically
semipoisonous
semipoisonously
semipolar
semipolitical
semipolitician
semipoor
semipopish
semipopular
semipopularity
semipopularized
semipopularly
semiporcelain
semiporous
semiporphyritic
semiportable
semipostal
semipractical
semiprecious
semipreservation
semipreserved
semiprimigenous
semiprimitive
semiprivity
semiprivate
semipro
semiproductive
semiproductively
semiproductiveness
semiproductivity
semiprofane
semiprofanely
semiprofaneness
semiprofanity
semiprofessional
semiprofessionalized
semiprofessionally
semiprofessionals
semipgressive
semipgressively
semipgressiveness
semipronation
semiprone
semipronely
semiproneness
semipronominal
semiproof
semipropagandist
semipros
semiproselyte
semiprosthetic
semiprostrate
semiprotected
semiprotective
semiprotectively
semiprotectorate
semiproven
semiprovincial
semiprovincially
semipsychologic
semipsychological
semipsychologically
semipsychotic
semipublic
semipunitive
semipunitory
semipupa
semipurposive
semipurposively
semipurposiveness
semipurulent
semiputrid
semipyramidal
semipyramidal
semipyritic
semiquadrangle
semiquadrantly
semiquadrant
semiquadrate
semiquantitative
semiquantitatively
semiquartile
semiquaver
semiquietism
semiretirement
semiretractile
semireverberatory
semirevolute
semirevolution
semirevolutionary
semirevolutionist
semirhythm
semirhythmic
semirhythmical
semirhythmically
semiriddle
semirigid
semirigorous
semirigorously
semirigorousness
semiring
semiroll
semiromantic
semiromantically
semirotary
semirotating
semirotative
semirotatory
semirotund
semirotunda
semiound
semiroyal
semiruin
semirural
semiruralism
semirurally
semirustic
semis
semisacerdotal
semisacred
semisagittate
semisaint
semisaline
semisaltire
semisaprophyte
semisaprophytic
semisarcodic
semisatiric
semisatirical
semisatirically
semisaturation
semisavage
semisavagedom
semisavagery
semiscenic
semischolastic
semischolastically
semiscientific
semiseafaring
semisecondary
semisecrecy
semisecret
semisecretly
semisection
semisedentary
semisegment
semisensuous
semisentient
semisentimental
semisentimentalized
semisentimentally
semiseparatist
semisepatate
semiserf
semiserious
semiseriously
semiseriousness
semiservile
semises
semisevere
semiseverely
semiseverity
semisextile
semishade
semishady
semishaft
semisheer
semishirker
semishrub
semishrubby
semisightseeing
semisilica
semisimious
semisimple
semisingle
semisirque
semisixth
semiskilled
semislave
semismelting
semismile
semisocial
semisocialism
semisocialist
semisocialistic
semisocialistically
semisociative
semisociarian
semisoft
semisolemn
semisolemnly
semisolemnness
semisolid
semisolute
semisomatistic
semisomatistic
semisomnolence
semisomnolent
semisomnolently
semisomnolent
semisomnorous
semispor
semisoun
semisovereignty
semispan
semispeculation
semispeculative
semispeculatively
semispeculativeness
semisphere
semispheric
semispherical
semispheroidal
semispinalis
semispiral
semispiritous
semisport
semisporting
semisquare
semistagnation
semistaminate
semistarvation
semistarved
semistate
semisteele
semitexturally
semitheatric
semitheatrical
semitheatricalism
semitheatrically
semitheological
semitheologically
semithoroughfare
semitic
semitics
semitime
semitism
semitist
semitists
semitonal
semitonally
semitone
semitones
semitonic
semitonically
semitontine
semitorpid
semitour
semitraditional
semitraditionally
semitraditional
semitrail
semitrailers
semitrained
semitransept
semitranslucent
semitransparency
semitransparent
semitransparently
semitransparentness
semitransverse
semitreasonable
semitrimmed
semitropic
semitropical
semitropically
semitropics
semitruth
semitruthful
semitruthfully
semitruthfulness
semituberous
semitubular
semiuncial
semiundressed
semiuniversalist
semiupright
semiurban
semiurn
semivalvate
semivault
semivector
semivegetable
semivertebral
semiverticillate
semivibration
semivirtue
semiviscid
semivisibility
semivisible
semivital
semivitreous
semivitrification
semivitrified
semivocal
semivocalic
semivolatile
semivolcanic
semivolcanically
semivoluntary
semivowel
semivowels
semivulcanized
semiwaking
semiwarfare
semiweeklies
semiweekly
semiwild
semiwildly
semiwildness
semiwoody
semiworks
semiyearlies
semiyearly
semmel
semmet
semmit
semmopithecine
semois
semola
semolella
semolina
semolinas
semological
semology
semostomeous
semostomous
semoted
semoule
semper
semperannual
sempergreen
semperidem
semperidentical
semperjuvenescent
sempervirent
sempervirid
sempervivum
sempitern
sempiternal
sempiternally
sempiternity
sempiternize
sempiternous
semple
semplies
semplice
semplices
sempre
sempres
sempster
sempstress
sempstry
sempstrywork
semsem
semsem
semuncia
semuncial
sen
sena
senachie
senage
senaita
senal
senam
senarian
senarii
senarius
senarmontite
senescency
senescent
seneschal
seneschally
seneschalship
seneschalsy
seneschalty
senex
sengi
sengreen
senhor
senhora
senhoras
senhores
senhorita
senhoritas
senhors
senice
deseile
senilely
denes
senilis
denilism
denillities
denility
denilize
denior
denior's
deniorities
deniority
deniors
deniorship
deniory
denis
deniti
denium
denna
dennachie
dennas
denneggrass
dennet
dennets
dennett
dennight
dennights
denmit
dennite
dennits
senocular
senonian
senopia
senopias
senor
senora
senoras
senores
senorita
senoritas
senors
senoufo
sensa
sensible
sensal
sensate
sensated
sensately
sensates
sensing
sensation
sensation's
sensational
sensationalise
sensationalised
sensationalising
sensationalism
sensationalist
sensationalistic
sensationalists
sensationalize
sensationalized
sensationalizing
sensationally
sensationary
sensationish
sensationism
sensationist
sensationistic
sensationless
sensations
sensatorial
sensatory
sense
sensed
senseful
senseless
senselessly
senselessness
senses
sensibilia
sensibilisin
sensibilities
sensibilitist
sensibilitiy
sensibilitous
sensibility
sensibilium
sensibilization
sensibilize
sensible
sensibleness
sensibler
sensibles
sensiblest
sensibly
sensical
sensifacient
sensiferous
sensific
sensificatory
sensifics
sensify
sensigenous
sensile
sensilia
sensilla
sensillae
sensillum
sensillumla
sensimotor
sensing
sension
sensism
sensist
sensistic
sensitisation
sensitisser
sensitive
sensitively
sensitiveness
sensitives
sensitivist
sensitivities
sensitivity
sensitization
sensitize
sensitized
sensitizer
sensitizes
sensitizing
sensitometer
sensitometers
sensitometric
sensitometrically
sensitometry
sensitory
sensive
sensize
senso
sensomobile
sensomobility
sensomotor
sensoparalysis
sensor
sensor's
sensoria
sensorial
sensorially
sensors
sensorial
sensoria
sensorial
sensories
sensoriglandular
sensorimotor
sensorimotor
sensorineural
sensorium
sensoriums
sensorivasomotor
sensorivolitional
sensors
sensory
sensu
sensual
sensualisation
sensualise
sensualism
sensualist
sensualistic
sensualists
sensualities
sensuality
sensualization
sensualize
sensualized
sensualizing
sensually
sensualness
sensuism
sensuist
sensum
sensuosity
sensuous
sensuously
sensuousness
sensus
sensyne
sent
sentence
sentenced
sentencer
sentences
sentencing
sententia
sentential
sententially
sententiarian
sententiarian
sententiary
sententiosity
sententious
sententiously
sententiousness
senti
sentence
sentency
entiendum
sentient
sentently
sentients
sentiment
sentiment's
sentimental
sentimentalisation
sentimentaliser
sentimentalism
sentimentalist
sentimentalists
sentimentalities
sentimentality
sentimentalization
sentimentalize
sentimentalized
sentimentalizer
sentimentalizes
sentimentalizing
sentimentally
sentimeter
sentimentless
sentimento
sentiments
sentine
sentinel
sentinel's
sentineled
sentinelning
sentinelled
sentinel-like
sentinelling
sentinels
sentinelship
sentinel-wise
sentisection
sentition
sentried
sentries
sentry
sentry's
sentrying
sents
senufo
senvy
senza
seor
seora
seorita
seoul
sep
sepad
sepal
sepaled
sepaline
sepalled
sepalody
sepaloid
sepalous
sepals
separability
separable
separableness
separably
sepias
sepic
sepicolous
sepiment
sepioid
sepiola
sepiolite
sepion
sepiost
sepiostaire
sepium
sepn
sepone
sepose
sepy
sepoys
seppa
seppuku
seppukus
seps
sepses
sepsid
sepsin
sepsine
sepsis
sept
septa
septaemia
septal
septan
septane
septangle
septangled
septangular
septangularness
septaria
septarian
septariate
septarium
septate
septated
septation
septataarticulate
septaugintal
septavalent
septave
septcentenary
septectomies
septectomy
september
septembrist
septembrize
septembrizer
septemdecenary
septemdecillion
septemfid
septemfluous
septemfoliate
septemfoliolate
septemia
septempartite
septemplicate
septemvious
septemvir
septemviral
septemvirate
septemvirii
septemvirii
septemvir
septemvirs
septenar
septenarian
septenaries
septenarii
septenarius
septenary
septenate
septendecennial
septendecillion
septendecillions
septendecillionth
septendecimal
septennary
septennate
septenniad
septennial
septennialist
septenniality
septennially
septennium
septenous
septentrial
septentrion
septentrional
septentrionality
septentrionally
septentrionate
septentrionic
septarium
septet
septets
septette
septettes
septfoil
septic
septicaemia
septicaemic
septical
septically
septicemia
septicemic
septicidal
septicidally
septicide
septicity
septicization
septicolored
septicopyemia
septicopyemic
septics
septier
septifarious
septiferous
septifluous
septifolious
septiform
septifragal
septifragally
septilaterial
septile
septillion
septillions
septillionth
septimal
septimana
septimanae
septimanal
septimanarian
septime
septimes
septimetritis
septimole
septinsular
septipartite
septisyllabic
septisyllable
septivalent
septeva
septocosta
septocylindrical
septodiarrhea
septogerm
septoic
septole
septolet
septomarginal
septomaxillary
septonasal
septotomy
septs
septship
septuagenarian
septuagenarianism
septuagenarians
septuagenaries
septuagenary
septuagesima
septuagesimal
septuagint
septula
septulate
septulum
septum
septums
septuncial
septuor
septuple
septupled
septuples
septuplet
septuplets
septuplicate
septuplication
septupling
sepuchral
sepulcher
sepulcher's
sepulchered
sepulchering
sepulchers
sepulchral
sepulchralize
sepulchrally
sepulchre
serapes
seraph
seraphic
seraphical
seraphically
seraphicalness
seraphicism
seraphicness
seraphim
seraphims
seraphin
seraphina
seraphine
seraphism
seraphlike
seraphs
seraphtide
serapis
serasker
seraskerate
seraskier
seraskierat
serau
seraw
seraya
serb
serbia
serbian
serbians
serbonian
sercial
sercom
serdab
serdabs
sere
sered
sereh
serein
sereins
serement
serena
serenade
serenaded
serenader
serenaders
serenades
serenading
serenata
seraunt
seric
sericate
sericated
sericea
sericeotomentose
sericeous
sericultural
sericulture
sericulturist
sericin
sericins
sericipary
sericite
sericitic
sericitization
sericon
sericteria
sericteries
sericterium
serictery
sericterioria
sericultural
sericulture
sericulturist
seriema
seriemas
series
serieswound
serif
serific
seriform
serifs
serigraph
serigrapher
serigraphers
serigraphic
serigraphs
serigraphy
serimeter
serimpi
serin
serine
serines
serinette
sering
seringa
seringal
seringas
seringhi
serins
serio
seriocomedy
seriocomic
seriocomical
seriocomically
seriogrotesque
serioline
serioludicrous
seriopantomimic
serioridiculous
seriosities
seriosity
serioso
serious
seriously
seriousness
seriplane
seripositor
serjeancy
serjeant
serjeantry
serjeants
serjeanty
serment
sermo
sermocination
sermocinatrix
sermon
sermon's
sermonary
sermoneer
sermoner
sermonesque
sermonet
sermonette
sermonettino
sermonic
sermonical
sermonically
sermonics
sermoning
sermonise
sermonised
sermoniser
sermonish
sermonising
sermonism
sermonist
sermonize
sermonized
sermonizer
sermonizes
sermonizing
sermonless
sermonoid
sermonolatry
sermonology
sermonproof
sermons
sermonwise
sermuncle
sernamby
sero
seroalbumin
seroalbuminuria
seroanaphylaxis
serobiological
serocolitis
serocyst
serocystic
serodermatosis
serodermatitis
serodiagnosis
serodiagnostic
seroenteritis
seroenzyme
serofibrinous
serofibrous
serofluid
serogelatinous
serohemorrhagic
serohepatitis
seroimmunity
serolactescent
serolemma
serolin
serolipase
serologic
serological
serologically
serologies
serologist
serology
serpierite
serpigines
serpiginous
serpiginosly
serpigo
serpigoes
serpivolant
serpolet
serpula
serpulae
serpulan
serpulid
serpulidan
serpuline
serpulite
serpulitic
serpuloid
serra
serradella
serrae
serrage
serrai
serran
serrana
serranid
serranids
serrano
serranoid
serranos
serrate
serrated
serrates
serratia
serratic
serratiforom
serratile
serrating
serration
serratiostral
serratocrenate
serratodentate
serratodenticulate
serratoglandulous
serratospinose
serrature
serratus
serrefile
serrefine
serricorn
serried
serriedly
serriedness
series
serriferous
serriform
serring
serriped
serriformate
serrula
serrulate
serrulated
serrulateed
serrulation
serrurerie
serry
serrying
sers
srt
serta
serting
sertion
sertive
sertularia
sertularian
sertularioid
sertularoid
sertule
sertulum
sertum
serule
serum
serum's
serumal
serumdiagnosis
serums
serut
serv
servable
servage
serval
servaline
servals
servant
servant's
servantcy
servantdom
sesma
sesperal
sesqui
sesquialter
sesquialtera
sesquialteral
sesquialteral
sesquialteran
sesquialteran
sesquialterous
sesquibasic
sesquicarbonate
sesquicentenary
sesquicentennial
sesquicentennially
sesquicentennials
sesquichloride
sesquiduple
sesquiduplicate
sesquih
sesquihydrate
sesquihydrated
sesquinona
sesquinoval
sesquioctava
sesquioctavale
sesquioxide
sesquipedal
sesquipedalian
sesquipedalianism
sesquipedalism
sesquipedality
sesquiplane
sesquiplicate
sesquiquadraten
sesquiquarta
sesquiquartal
sesquiquartile
sesquiquinta
sesquiquintal
sesquiquintile
sesquisalt
sesquiseptimal
sesquisextal
sesquisilicate
sesquisquare
sesquisulphate
sesquisulphide
sesquisulphuret
sesquiterpene
setbacks
setbolt
setdown
setfast
seth
sethead
setter
setier
setiferous
setiform
setiger
setigerous
setioerr
setiparous
setirostral
setline
setlines
setting
setness
setnet
setoff
setoffs
seton
setons
setopphagine
setose
setous
setout
setouts
setover
setpfx
sets
setscrew
setscrews
setsman
sett
settable
settaine
settecento
settee
settees
setter
setter's
settergrass
setters
setterwort
settima
settimo
setting
seventeenfold
seventeens
seventeenth
seventeenthly
seventeenths
seventh
seventily
sevenths
seventies
seventieth
seventieths
seventy
seventyfold
sever
severability
severable
several
severalfold
severality
severalization
severalize
severalized
severalizing
severally
severalness
severals
severalth
severalties
severalty
severance
severate
severation
severe
severed
severedly
severely
severeness
severer
severers
severest
severies
severing
severingly
severish
severities
severity
severity's
severization
severize
severs
severy
sevier
sevillanas
seville
sevres
sevum
sew
sewable
sewage
sewages
sewan
sewans
sewar
sewars
sewed
sewellel
sewen
sewer
sewerage
sewerages
sewered
sewerless
sewerlike
sewerman
sewers
sewery
sewin
sewing
sewings
sewless
sewn
sewround
sews
sewster
sex
sexadecimal
sexagenarian
sexagenarianism
sexagenarians
sexagenaries
sexagenary
sexagene
sexagesima
sexagesimal
sexagesimally
sexagesimals
sexagonal
sexangle
sexangled
sexangular
sexangularly
sexannulate
sexarticulate
sexavalent
sexcentenaries
sexcentenary
sexcuspitate
sexdecillion
sexdecillions
sexdigital
sexdigitate
sexdigitated
sexdigitism
sexed
sexenary
sexennial
sexennially
sexennium
sexern
sexes
sexfarious
sexfid
sexfoil
sexhood
sexier
sexiest
sexifid
sexillion
sexily
sexiness
sexinesses
sexing
sexiped
sexipolar
sexism
sexisms
sexist
sexists
sexisyllabic
sexisyllable
sexitubercular
sexivalence
sexivalence
sexivalent
sexless
sexlessly
sexlessness
sexlike
sexlocular
sexly
sexologic
sexological
sexologies
sexologist
sexology
sexpartite
sexploitation
sexpot
sexpots
sexradiate
sex
sextactic
sextain
sextains
sextan
sextans
sextant
sextantal
sextants
sextar
sextarii
sextarius
sextary
sextennial
sextern
sextet
sextets
sextette
sextettes
sextic
sextile
sextiles
sextillion
sextillions
sextillionth
sextipara
sextipartite
sextipartition
sextiply
sextipolar
sextos
sextodecimo
shackanite
shackatory
shackbolt
shacked
shacker
shacking
shackings
shackland
shackle
shacklebone
shackled
shackledom
shackler
shacklers
shackles
shacklewise
shackling
shackly
shacko
shackoes
shackos
shacks
shacky
shad
shadbelly
shadberries
shadberry
shadbird
shadblow
shadblows
shadbrush
shadbrushes
shadchan
shadchanim
shadchans
shadchen
shaddock
shaddocks
shade
shaded
shadeful
shadeless
shadelessness
shader
shaders
shades
shadetail
shadflies
shadflower
shadfly
shadier
shadiest
shadily
shadine
shadiness
shading
shadings
shadkan
shado
shadoof
shadoofs
shadow
shadowable
shadowbox
shadowboxed
shadowboxes
shadowboxing
shadowed
shadower
shadowers
shadowfoot
shadowgram
shadowgraph
shadowgraphic
shadowgraphist
shadowgraphy
shadowier
shadowiest
shadowily
shadowiness
shadowing
shadowishly
shadowist
shadowland
shadowless
shadowlessness
shadowlike
shadowly
shadows
shadowy
shadrach
shadrachs
shads
shaduf
shadufs
shady
shaffle
shafii
shafiite
shaft
shaft's
shafted
shaftter
shaftfoot
shafting
shaftings
shaftless
shaftlike
shaftman
shaftment
shafts
shaftsman
shaftway
shafty
shag
shaganappi
shaganappy
shagbag
shagbark
shagbarks
shagbush
shagged
shaggedness
shaggier
shaggiest
shaggily
shagginess
shagging
shaggy
shaggymane
shaglet
shaglike
shagpate
shagrag
shagreen
shagreened
shagreens
shagroon
shags
shagtail
shah
shahaptian
shaharit
shaharith
shallowness
shallowpate
shallowpated
shallows
shallowy
shallu
shally
shalom
shalt
shalwar
shaly
sham
sham's
shama
shamable
shamableness
shamably
shamal
shamalo
shaman
shamaness
shamanic
shamanism
shamanist
shamanistic
shamanize
shamans
shamash
shamateur
shamateurism
shamba
shamble
shambled
shambles
shambling
shamblingly
shambrier
shame
shameable
shamed
shameface
shamefaced
shamefacedly
shamefacedness
shamefast
shamefastly
shamefastness
shameful
shamefully
shamefulness
shameless
shamelessly
shamelessness
shameproof
shamer
shames
shamesick
shameworthy
shamiana
shamianah
shaming
shamir
shammas
shammash
shammashi
shammashim
shammasim
shammed
shammer
shammers
shammes
shammick
shammied
shammies
shamming
shammish
shammock
shammocking
shammocky
shammos
shammosim
shammy
shammying
shamois
shamosim
shamoy
shamoyed
shamoying
shamoys
shampoo
shampoed
shampoer
shampoers
shampooing
shampoos
shamrock
shamrocks
shamroot
shams
shamsheer
shamshir
shamus
shamuses
shan
shan't
shanachas
shanachie
shanachus
shandean
shandies
shandite
shandry
shandrydan
shandy
shandygaff
shangan
shanghai
shanghaied
shanghaier
shanghaiing
shanghais
shangy
shank
shanked
shanker
shanking
shankings
shankpiece
shanks
shanksman
shanna
shannies
shanny
shansa
shant
shantey
shanteys
shanti
shantied
shanties
shantih
shantihs
shantis
shantung
shantungs
shanty
shanty's
shantying
shantylike
shantyman
shantymen
shantytown
shap
shapable
shape
shapeable
shaped
shapeful
shapeless
shapelessly
shapelessness
shapelier
shapeliest
shapeliness
shapely
shapen
shaper
shapers
shapes
shapeshifter
shapemsmith
shapeup
shapeups
shapier
shapiest
shaping
shapingly
shapka
shapometer
shapoo
shaps
shaptin
shapy
sharable
shard
sharded
sharding
shards
shardy
share
shareability
shareable
sharebone
sharebroker
sharecrop
sharecropped
sharecropper
sharecropper's
sharecroppers
sharecropping
sharecrops
shared
shareef
sharefarmer
shareholder
shareholder's
shareholders
shareholdership
shareman
shareown
shareowner
sharepenny
sharer
sharers
shares
shareship
sharesman
sharesmen
sharewort
shargar
sharger
shargoss
sharia
shariat
sharif
sharifian
sharifs
sharing
shark
shark's
sharked
sharker
sharkers
sharkful
sharki
sharking
sharkish
sharkishly
sharkishness
sharklet
sharklike
sharks
sharkship
sharkskin
sharkskins
sharksucker
sharky
sharn
sharnbud
sharnbug
sharns
sharny
sharon
sharp
sharpbill
sharped
sharpen
sharpened
sharpener
sharpeners
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharping
sharpish
sharpite
sharpling
sharply
sharpness
sharps
sharpsaw
sharpshin
sharpshod
sharpshoot
sharpshooter
sharpshooters
sharpshooting
sharpster
shartail
sharpware
sharp
sharry
sharry
shashlick
shashlik
shashliks
shaslick
shaslik
shasliks
shastaite
shaster
shastra
shastracara
shastraik
shastras
shastri
shastrik
shat
shatan
shathmont
shatter
shatterable
shatterbrain
shatterbrained
shattered
shatterer
shatterheaded
shattering
shatteringly
shatterment
shatterpated
shatterproof
shatters
shatterwit
shattery
shattuckite
shauchle
shaugh
shaughs
shaul
shauled
shauling
shauls
shaup
shauri
shauwe
shavable
shave
shaveable
shaved
shavee
shavegrass
shaveling
shaven
shaver
shavers
shavery
shaves
shavester
shavetail
shaveweed
shavian
shavians
shavie
shavies
shaving
shavings
shaw
shawabti
shawed
shawfowl
shawing
shawl
shawl's
shawled
shawling
shawless
shawlike
shawls
shawlwise
shawm
shawms
shawn
shawnee
shawnees
shawneewood
shawny
shaws
shawwal
shawy
shay
shayed
shaykh
shays
shazam
she
she'd
she'll
she's
shea
sheathlike
sheaths
sheathy
sheave
sheaved
sheaveless
sheaveman
sheaves
sheaving
shebang
shebangs
shebar
shebat
shebean
shebeans
shebeen
shebeener
shebeening
shebeens
shechita
shechitah
shed
shedable
sheddable
shedded
shredder
shedders
shedding
sheder
shedhand
shedim
shedlike
shedman
sheds
shedu
shedwise
shee
sheefish
sheefishes
sheel
sheeling
sheely
sheen
sheened
sheeney
sheeneys
sheenful
sheenie
sheepless
sheeplet
sheeplike
sheepling
sheepman
sheepmaster
sheepmen
sheepmint
sheepmonger
sheepnose
sheepnut
sheepen
sheepshank
sheepshead
sheepsheadism
sheepsheads
sheepshear
sheepshearer
sheepshearing
sheepshed
sheepskin
sheepskins
sheepsplit
sheepsteal
sheepstealer
sheepstealing
sheepwalk
sheepwalker
sheepweed
sheepy
sheer
sheered
sheerer
sheerest
sheering
sheerlegs
sheerly
sheerness
sheers
sheet
sheetage
sheeted
sheeter
sheeters
sheetfed
sheetflood
sheetful
sheeting
sheetings
sheetless
sheetlet
sheetlike
sheetling
sheetrock
sheets
sheetwash
sheetways
sheetwise
sheetwork
sheetwriting
sheety
sheeve
sheeves
sheffield
shegets
shegetz
shehita
shehitah
sheik
sheikdom
sheikdoms
sheikh
sheikhdom
sheikhlike
sheikhly
sheikhs
sheiklike
sheikly
sheiks
sheila
sheiling
sheitan
sheitans
sheitel
sheitlen
shekel
shekels
shekinah
shela
shelah
sheld
sheldapple
shelder
sheldfowl
sheldrake
sheldrakes
shema
shemaal
sheminith
shemite
shemozzle
shenanigan
shenanigans
shend
shendful
shending
shends
sheng
shent
sheogue
sheol
sheolic
sheols
shepherd
shepherd's
shepherdage
shepherddom
shepherded
shepherdess
shepherdesses
shepherdhood
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
shepherdish
shepherdism
shepherdize
shepherdless
shepherdlike
shepherdling
shepherdly
sheraton
sherbacha
sherbert
sherberts
sherbet
sherbetlee
sherbets
sherbetzide
sherd
sherd
shereef
shereefs
sheria
shariat
sherif
sherifa
sherifate
sheriff
sheriff's
sheriffalty
sheriffcies
sheriffcy
sheriffdom
sheriffess
sherifffood
sheriffry
sheriffs
sheriffship
sheriffwick
sherifi
sherifian
sherifs
sherify
sheristadar
sherlock
sherlocks
sheroot
sheroots
sherpa
sherpas
sherries
sherris
sherrises
sherry
sherryvallies
shermwani
shes
sheth
shetland
shetlands
sheuch
sheuchs
sheugh
sheughs
sheva
shevel
sheveled
sheveret
shervi
shew
shewa
shewbread
shewed
shewel
shewer
shewers
shewing
shewn
shews
shyle
shfsep
shh
shi
shia
shiah
shiai
shiatsu
shibah
shibahs
shibar
shibbeen
shibboleth
shibbolethic
shibboleths
shibuichi
shice
shicer
shick
shicker
shickered
shicksa
shicksas
shide
shied
shiel
shield
shieldable
shieldboard
shielddrake
shielded
shilder
shielders
shieldfern
shieldflower
shielding
shieldings
shieldless
shieldlessly
shieldlessness
shieldlike
shieldling
shieldmaker
shieldmay
shields
shieltdail
shieling
shielings
shieis
shier
shiers
shies
shiest
shift
shiftability
shiftable
shiftage
shifted
shifter
shifters
shiftful
shiftfulness
shiftier
shiftiest
shiftily
shiftiness
shifting
shiftingly
shiftingness
shiftless
shiftlessly
shiftlessness
shiftness
shiftman
shifts
shifty
shires
shirewick
shirk
shirked
shirker
shirkers
shirking
shirks
shirky
shirl
shirlcock
shirley
shirpit
shirr
shirra
shirred
shirrel
shirring
shirrings
shirrs
shirt
shirtband
shirtdress
shirtfront
shirtier
shirtiest
shirtiness
shirting
shirtings
shirtless
shirtlessness
shirtlike
shirtmake
shirtmaker
shirtmaking
shirtman
shirtmen
shirts
shirtsleeve
shirrtail
shirtwaist
shirtwaister
shirty
shish
shisham
shishya
shisn
shist
shists
shit
shita
shitepoke
shithed
shithel
shither
shits
shittah
shittahs
shitted
shitten
shittier
shittiest
shittim
shittims
shittimwood
shittiness
shitting
shittle
shitty
shiv
shiva
shivah
shivahs
shivaree
shivareed
shivareeing
shivarees
shivas
shive
shiver
shivered
shivereens
shiverer
shiverers
shivering
shiveringly
shiverproof
shivers
shiversome
shiverweed
shivery
shives
shivey
shivoo
shivoos
shivs
shivvy
shivy
shivzoku
shizoku
shkotzim
shlemiehl
shlemiel
shlemiels
shlemozzle
shlep
shlimazel
shlimazl
shlock
shlocks
shmaltz
shmaltzier
shmaltziest
shmaltzy
shmo
shmoes
shnaps
shnook
sho
shoad
shoader
shoal
shoal's
shoalbrain
shoaled
shoaler
shoalest
shoalier
shoaliest
shoaliness
shoaling
shoalness
shoals
shoalwise
shoaly
shoat
shoats
shochet
shochetim
shochets
shock
shockability
shockable
shocked
shockedness
shocker
shockers
shockhead
shockheaded
shockheadedness
shocking
shockingly
shockingness
shocklike
shockproof
shocks
shockstall
shockwave
shod
shodden
shoddiest
shoddier
shoddies
shoddily
shoddiness
shoddy
shoddydom
shoddylike
shoddyward
shoddywards
shode
shoder
shoe
shoebill
shoebills
shoe binder
shoe binding
tree
shoeblack
shoebird
shoebirds
shoebill
shoebill
shoebill
shoebottom
shoebottom
shoebrush
shoecraft
shoed
shoeflower
shoehorn
shoehorned
shoehorning
shoehorns
shoeing
shoeingsmith
shoelace
shoelaces
shoeless
shoemaker
shoemakers
shoemaking
shoeman
shoemold
shoepac
shoepack
shoepacks
shoepacs
shoer
shoers
shoes
shoescraper
shoeshine
shoeshop
shoesmith
shoestring
shoestrings
shoetree
shoetrees
shoewoman
shofar
shofars
shoffroth
shofroth
shoful
shog
shogaol
shogged
shoggie
shoggie
shoggly
shogi
shogs
shogun
shogunal
shogunate
shoguns
shohet
shohji
shohjis
shoji
shojis
shola
shole
sholom
shonde
shone
shoneen
shoneens
shonkinite
shoo
shood
shoed
shoofa
shooflies
shoofly
shoogle
shooi
shooing
shook
shooks
shool
shouldarry
shooled
shoolder
shooing
shools
shoon
shoop
shoopiltie
shoor
shoos
shoot
shootable
shootboard
shoootee
shooter
shootters
shoother
shooting
shootings
shootist
shoootman
shootout
shootouts
shoots
shop
shoppier  
shoppiest  
shopping  
shoppings  
shoppini  
shoppish  
shoppishness  
shoppy  
shops  
shopsoiled  
shopster  
shoptalk  
shoptalks  
shopwalker  
shopwear  
shopwife  
shopwindow  
shopwoman  
shopwomen  
shopwork  
shopworker  
shopworn  
shoq  
shor  
shoran  
shorans  
shore  
shore's  
shoreberry  
shorebird  
shorebirds  
shorebush  
shored  
shoreface  
shorefish  
shorefront  
shoregoing  
shoreland  
shoreless  
shoreline  
shorelines  
shoreman  
shorer  
shores  
shoreside  
shoresman  
shoreward  
shorewards
shoreweed
shoreyer
shoring
shorings
shorl
shoring
shorl
short
shortage
shortage's
shortages
shortbread
shortcake
shortcakes
shortchange
shortchanged
shortchanger
shortchanges
shortchanging
shortclothes
shortcoat
shortcomer
shortcoming
shortcoming's
shortcomings
shortcut
shortcut's
shortcuts
shorted
shorten
shortened
shortener
shorteners
shortening
shortenings
shortens
shorter
shortest
shortfall
shortfalls
shorthand
shorthanded
shorthanddedness
shorthander
shorthandwriter
shorthead
shortheaded
shortheels
shorthorn
shorthorns
shortia
shortias
shortie
shorties
shorting
shortish
shortite
shortly
shortness
shorts
shortschat
shortsighted
shortsightedly
shortsightedness
shortsome
shortstaff
shortstop
shortstops
shorttail
shortwave
shortwaves
shorty
shoshone
shoshonean
shoshonis
shoshonite
shot
shot's
shotbush
shotcrete
shote
shotes
shotgun
shotgun's
shotgunned
shotgunning
shotguns
shotless
shotlike
shotmaker
shotman
shotproof
shots
shotshell
shotsman
shovelhead
shoveling
shovelled
shoveller
shovelling
shovemaker
shovelman
shovelnose
shovels
shovelsful
shovelweed
shover
shovers
shoves
shoving
show
showable
showance
showbird
showboard
showboat
showboater
showboating
showboats
showbread
showcase
showcased
showcases
showcasing
showd
showdom
showdown
showdowns
showed
shower
showered
showerer
showerful
showerhead
showerier
showeriest
showeriness
showering
showerless
showerlike
showerproof
showerers
showery
showfolk
showful
showgirl
showgirls
showier
showiest
showily
showiness
showing
showings
showish
showjumping
showless
showman
showmanism
showmanly
showmanry
showmanship
showmen
shown
showoff
showoffishness
showoffs
showpiece
showpieces
showplace
showplaces
showroom
showrooms
shows
showshop
showstopper
showup
showworthy
showy
showyard
shoya
shoyu
shp
shpt
shr
shrab
shradd
shraddha
shraddh
shraf
shrag
shram
shri
shride
shriek
shrieked
shrieker
shriekers
shriekery
shriekier
shriekiest
shriekily
shriekiness
shrieking
shriekingly
shriekproof
shrieks
shrieky
shrieval
shrievalties
shrievalty
shrieve
shriewed
shrieves
shrieving
shrift
shriftless
shriftlessness
shrifts
shrike
shrikes
shriill
shriilled
shriiller
shriillest
shriilling
shriillish
shriilliness
shriils
shriilly
shrimp
shrimped
shrimper
shrimpers
shrimpfish
shrimpi
shrimpier
shrimpiest
shrimpiness
shrimping
shrimpish
shrimpishness
shrimplike
shrimplike
shrimps
shrimpton
shrimpy
shrinal
shrine
shrine's
shrined
shrineless
shrinelet
shrinelike
shrines
shrining
shrink
shrinkable
shrinkage
shrinkageproof
shrinkages
shrinker
shrinkerg
shrinkers
shrinkhead
shrinking
shrinkingly
shrinkingness
shrinkproof
shrinks
shrinky
shrip
shris
shrite
shrive
shrived
shri vel
shri ve led
shri vel ing
shri vel led
shri vel ling
shri vels
shriven
shriver
shrivers
shrives
shriving
shroff
shroffed
shroffing
shroffs
shrog
shrogs
shropshire
shroud
shrouded
shrouding
shroudless
shroudlike
shrouds
shroudy
shrove
shroved
shrover
shrovetide
shroving
shrovy
shrrinkng
shrub
shrub's
shrubbed
shrubberies
shrubbery
shubbier
shubbiest
shubbiness
shubbish
shubby
shrubland
shrubless
shrublet
shublike
shrubs
shrubwood
shruff
shrug
shrugged
shrugging
shruggingly
shrugs
shrunk
shrunken
shrups
shruti
sht
shtchee
shtetel
shtetl
shtetlach
shtg
shtick
shticks
shtreimel
shuba
shubunkin
shuck
shucked
shucker
shuckers
shuckling
shuckings
shuckins
shuckpen
shucks
shudder
shuddered
shudderful
shudderiness
shuddering
shudderingly
shudders
shuddersome
shuddery
shudna
shuff
shuffle
shuffleboard
shufflecap
shuffled
shuffler
shufflers
shuffles
shufflewing
shuffling
shufflingly
shifty
shug
shuggy
shul
shuler
shuln
shuls
shulwar
shulwaurs
shumac
shutten
shutter
shutterbug
shutterbugs
shuttered
shuttering
shutterless
shutters
shutterwise
shutting
shuttle
shuttlecock
shuttlecocked
shuttlecocking
shuttlecocks
shuttled
shuttleheaded
shuttlelike
shuttlar
shuttles
shuttlewise
shuttling
shwa
shwanpan
shwanpans
shwebo
shy
shydepoke
shyer
shyers
shyest
shying
shyish
shylock
shylocked
shylocking
shylocks
shyly
shyness
shynesses
shypoo
shyster
shysters
si
siacalle
siafu
siak
sial
sialaden
sialadenitis
sialadenoncus
sialagogic
sialagogue
sialagogic
sialagogenus
sialagogue
sialoid
sialolith
sialolithiasis
sialology
sialorrhea
sialoschesis
sialosemiology
sialosis
sialostenosis
sialosyrinx
sialozemia
sials
siam
siamang
siamangs
siamese
siameses
siamoise
siauliai
sib
sibb
sibbed
sibbendy
sibbens
sibber
sibbing
sibboleth
sibbs
sibby
siberia
siberian
siberians
siberite
sibilance
sibilancy
sibilant
sibilantly
sibilants
sibilate
sibilated
sibilates
sibilating
sibilatingly
sibilation
sibilator
sibilatory
sibilous
sibilus
sibling
sibling's
siblings
sibness
sibrede
sibs
sibship
sibships
sibucao
sibyl
sibylesque
sibylic
sibylism
sibylla
sibyllae
sibylic
sibylline
sibyllism
sibyllist
sibyls
sic
sicarian
sicarii
sicarious
sicarius
sicc
sicca
siccant
siccate
siccated
siccating
siccation
siccative
sicced
siccimeter
siccng
siccity
sica
sicer
sices
sich
sicht
sicilian
siciliana
siciliano
sicilianos
sicilians
sicilica
sicilicum
sicilienne
sicily
sicinnian
sick
sickbay
sickbays
sickbed
sickbeds
sicked
sickcn
sickened
sickener
sickeners
sickening
sickeningly
sickens
sicker
sickerly
sickerness
sicke
sickest
sicket
sickhearted
sickie
sicking
sickish
sickishly
sickishness
sickle
sicklebill
sickled
sicklelike
sickleman
sicklemen
sicklemia
sicklemic
sicklepod
sickler
sicklerite
sickles
sickless
sickleweed
sicklewise
sicklewort
sickled
sicklier
sicklies
sickliest
sicklily
sickliness
sickling
sickly
sicklying
sickness
sickness's
sicknesses
sicknessproof
sickout
sickouts
sickroom
sickrooms
sicks
sicle
siclike
sics
sicsac
sicula
sicular
sida
sidder
siddow
siddur
siddurim
siddurs
side
sideage
sidearm
sidearms
sideband
sideness
sidenote
sidepiece
sidepieces
sider
sideral
siderate
siderated
sideration
sidereal
siderealize
sidereally
siderean
siderin
siderism
siderite
siderites
sideritic
siderocyte
siderognost
siderographer
siderographic
siderographical
siderographist
siderography
siderolite
siderology
sideroma
sideromagnetic
sideromancy
sideromelane
sideronatrite
sideronym
siderophilin
siderophobia
sideroscope
siderose
siderosilicosis
siderosis
siderostat
siderostatic
siderotechny
siderotic
siderous
sidership
siderurgical
siderurgy
sides
sigil
sigilative
sigilistic
sigill
sigillaria
sigillariaceous
sigillarian
sigillarid
sigillarioid
sigillarist
sigillaroid
sigillary
sigillate
sigillated
sigillation
sigillative
sigillistic
sigillographer
sigillographical
sigillography
sigillum
sigils
sigla
siglarian
sigloi
siglos
siglum
sigma
sigmas
sigmaspire
signmate
sigmatic
signation
signatism
signodont
sigmoid
sigmoidal
sigmoidally
sigmoidectomy
sigmoiditis
sigmoidopexy
sigmoidoproctostomy
sigmoidorectostomy
sigmoidoscope
sigmoidoscopy
sigmoidostomy
sigmoidoids
sign
signa
able
acle
al
aled
ee
ler
ers
ese
etic
tics
ing
ise
ised
ising
ism
ist
ities
ity
ization
ize
ized
izes
izing
alled
ler
ling
ally
man
men
ment
als
nce
ary
ary
ate
ation
ator
atories
atory
atural
ure
ure's
ured
less
ures
uring
rist
signboard
signboards
signed
signee
signer
signers
signet
signeted
signeting
signets
signetur
signetwise
signeur
signeury
signifer
signifiable
significant
signific
significable
significance
significances
significancy
significand
significant
significantly
significantness
significants
significate
signification
significations
significatist
significative
significatively
significativeness
significator
significatory
significatrix
significatum
significature
significavit
significian
significs
signifie
signified
signifier
signifies
signify
signifying
sike
siker
sikerly
sikerness
sikes
siket
sikh
sikara
sikhism
sikhra
sikhs
sikimi
sikkim
sikra
siksika
sil
silage
silages
silaginoid
silane
silanes
silanga
silbergroschen
silcrete
sild
silds
sile
silence
silenceless
silencer
silencers
silences
silencing
silency
silene
sileni
silenic
silent
silenter
silentest
silential
silentiary
silentio
silentious
silentish
silentium
silently
silentness
silents
silenus
silesia
silesias
silex
silexes
silexite
silgreen
silhouette
silhouetted
silhouettes
silhouetting
silhouettist
silhouettograph
silica
silicam
silicane
silicas
silicate
silicates
silication
silication
silicean
siliceocalcareous
siliceofelspathic
siliceofluoric
siliceous
silicic
silicicalcareous
silicicolous
silicide
silicides
silicidize
siliciferous
silification
silificied
silificies
silificfluoric
silificfluoride
silicify
silificifying
siliciophile
silicious
silicum
siliciums
siliciuret
siliciuretted
silicize
silicle
silicles
silico
silicoacetic
silicoalkaline
silicoaluminate
silicoarsenide
silicocalcareous
silicochloroform
silicocyanide
silicoethane
silicoferruginous
silicoflagellate
silicofluoric
silicofluoride
silicohydrocarbon
silicomagnesian
silicomanganese
silicomethane
silicon
silicone
silicones
siliconize
silicononane
silicons
silicopropane
silicoses
silicosis
silicotalcose
silicothermic
silicotic
silicotitanate
silicotungstate
silicotungstic
silicula
silicular
silicule
siliculoose
siliculous
silicyl
siliqua
siliquaceous
siliquae
silique
siliques
siliquiferous
silts
siltstone
silty
silundum
silure
silures
silurian
silurid
silurids
siluroid
siluroids
silurus
silva
silvae
silvan
silvanity
silvanry
silvans
silvas
silvendy
silver
silverback
silverbeater
silverbelly
silverberries
silverberry
silverbiddy
silverbill
silverboom
silverbush
silvered
silverer
silverers
silvereye
silverfin
silverfish
silverfishes
silverhead
silverier
silveriest
silverily
silveriness
silvery
silverise
silverised
silverish
silverising
silverite
silverize
silverized
silverizer
silverizing
silverleaf
silverleaves
silverless
silverlike
silverling
silverly
silvern
silverness
silverpoint
silverrod
silvers
silverside
silversides
silverskin
silversmith
silversmithing
silversmiths
silverspot
silvertail
silvertip
silvertop
silvervine
silverware
silverweed
silverwing
silverwood
silverwork
silverworker
silvery
silvester
silvex
silvical
silvicolous
silvics
silvicultural
silviculturally
silviculture
silviculturist
silyl
sim
sima
simagre
simal
simar
simplificator
simplified
simplifiedly
simplifier
simplifiers
simplifies
simplify
simplifying
simpling
simplism
simplisms
simplist
simplistic
simplistically
simplum
simply
simps
simpson
simpico
simpula
simpulum
simpulumla
sims
simsim
simson
simul
simula
simulacra
simulacral
simulacrera
simulacre
simulacrize
simulacrum
simulacrums
simulance
simulant
simulants
simular
simulars
simulate
simulated
simulates
simulating
simulation
simulations
simulative
simulatively
simulator
simulator's
simulators
simulatory
simulcast
simulcasting
simulcasts
simule
simuler
simuliid
simulioid
simulize
simultaneity
simultaneous
simultaneously
simultaneousness
simulty
simurg
simurgh
sin
sin's
sina
sinaean
sinaic
sinaite
sinaitic
sinal
sinalbin
sinamay
sinamin
sinamine
sinanthropus
sinapate
sinapic
sinapin
sinapine
sinapinic
sinapis
sinapisine
sinapism
sinapisms
sinapize
sinapoline
sinarchism
sinarchist
sinarquism
sinarquist
sinarquista
sinatra
sinawa
sincaline
sincamas
since
sincere
sincerely
sincerest
sincerities
sincerity
sincipita
sincipital
sinciputs
sind
sinder
sindhi
sindle
sindoc
sindon
sindry
sine
sinebada
sinecural
sinecure
sinecured
sinecures
sinecureship
sinecuring
sinecurism
sinecurist
sines
sinesian
sinew
sinew's
sinewed
sinewiness
sinewing
sinewless
sinewous
sinews
sinewy
sinfonia
sinfonie
sinfonietta
sinful
sinfully
sinfulness
sing
singability
singable
singableness
singally
singapore
singarip
singe
singed
singeing
singeingly
singer
singeress
singerie
singers
singes
singey
singfest
singh
singhalese
singillatim
singing
singingfish
singingfishes
singingly
singkamas
single
singlebar
singled
singlehanded
singlehandedly
singlehandedness
singlehearted
singleheartedly
singleheartedness
singlehood
singlemindedly
singleness
singleprecision
singler
singles
singlestep
singlestick
singlesticker
singlet
singleton
singleton's
singleton
singletree
singletrees
singlets
sibling
siblings
singly
sings
singsong
singsongs
singsongy
singspiel
singstress
singular
singularism
singularist
singularities
singularity
singularity's
singularization
singularize
singularized
singularizing
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singly
singles
sinisterly
sinisterness
sinisterwise
sinistra
sinistrad
sinistral
sinistrality
sinistrally
sinistration
sinistrin
sinistrocerebral
sinistrocular
sinistrocularity
sinistrodextral
sinistrogyrate
sinistrogyration
sinistrogyric
sinistromanual
sinistrorsal
sinistrorsally
sinistrorse
sinistrorsely
sinistrorous
sinistrously
sinistruous
sinitic
sinjer
sink
sinkable
sinkage
sinkages
sinkboat
sinkbox
sinked
sinker
sinkerless
sinkers
sinkfield
sinkhead
sinkhole
sinkholes
sinking
sinkingly
sinkless
sinklike
sinkroom
sinks
sinkstone
sinky
sinless
sinlessly
sinlessness
sinline
sinnable
sinnableness
sinned
sinnen
sinner
sinner's
sinneress
siners
sinership
sinnet
sinning
sinningly
sinningness
sinnowed
sinoatrial
sinoauricular
sinoidal
sinological
sinologies
sinologist
sinologue
sinology
sinomenine
sinon
sinoper
sinopia
sinopias
sinopic
sinopie
sinopis
sinopite
sinople
sinorespiratory
sinproof
sins
sinsion
sinsring
sinsyne
sinter
sinterability
sintered
sintering
sinters
siper
sipers
sipes
siphac
siphoid
siphon
siphonaceous
siphonage
siphonal
siphonapterous
siphonaria
siphonariid
siphonate
siphonated
siphoned
siphonous
siphonet
siphonia
siphonial
siphonic
siphoniferous
siphoniform
siphoning
siphonium
siphonless
siphonlike
siphonobranchiate
siphonogam
siphonogamic
siphonogamous
siphonogamy
siphonoglyph
siphonoglyphe
siphonognathid
siphonognathous
siphonophoran
siphonophore
siphonophorous
siphonoplax
siphonopore
siphonorhinal
siphonorhine
siphonosome
siphonostele
siphonostelic
siphonostely
siphonostomatous
siphonostome
siphonostomous
siphonozoooid
siphons
siphonula
siphorrhinal
siphorhinian
siphosome
siphuncle
siphuncled
siphuncular
siphunculate
siphunculated
siphunculus
sipid
sipidity
siping
sibling
sipped
sipper
sippers
sippet
sippets
sipping
sippingly
sippio
sipple
sippy
sips
sipunculacean
sipunculid
sipunculoid
sipunculus
sipylite
sir
sircar
sirdar
sirdars
sirdarship
sire
sired
siredon
siree
sirees
sireless
siren
sirene
sirenian
sireni
sirenic
sirenical
sirenically
sirening
sirenize
sirenlike
sirenoid
sirenomelus
sirens
sireny
sires
sireship
siress
sirex
sirgang
sirian
siriasis
siricid
sirih
string
siriometer
siris
sirius
sirkar
sirkeer
sirki
sirky
sirloin
sirloins
sirloiny
sirmark
siroc
sirocco
siroccoish
siroccoishly
siroccos
sirop
siros
sirpea
sirple
sirpoon
sirra
sirrah
sirrahs
sirras
sirree
sirrees
sirrs
sirship
siruaballi
siruelas
sirup
siruped
siruper
sirups
sirupy
sirvent
sirvente
sirventes
sis
sisal
sisalana
sisals
siscowet
sise
sisel
siserara
siserary
siserskite
sises
sish
sisham
sisi
sishth
siskin
siskins
sislowet
sismotherapy
siss
sissier
sissies
sissiest
sissification
sissified
sissify
sissiness
sisssing
sisson
sissonne
sissonnes
sissoo
sisuu
sissy
sissyish
sissyism
sist
sitement
sitfen
sithence
sithens
sithes
siti
sitiens
siting
sito
sitiology
sitiomania
sitiophobia
sitiologies
sitology
sitomania
sitophobia
sitophobic
sitosterin
sitosterol
sitotoxism
sitrep
sittringee
sits
sitsee
sitten
sitter
sitter's
sitters
sittine
sitting
sittings
sittringy
situ
situ
situate
situated
situates
situating
situation
situational
situationally
situations
situla
situlae
situp
situps
situs
situses
situtunga
sitz
sitzbath
sitzkrieg
sitzmark
sitzmarks
siums
siva
sivaism
sivaitte
sivan
sivathere
sivatheroid
sivatherium
siver
sivers
sivvens
siwash
siwashed
siwashing
siwens
six
sixain
sixer
sixes
sixfoil
sixfold
sixfolds
sixgun
sixhaend
sixhynde
sixing
sixish
sixmo
sixmos
sixpence
sixpences
sixpenny
sixpennyworth
sixscore
sixsome
sixte
sixteen
sixteener
sixteenfold
sixteenmo
sixteenmos
sixteenpenny
sixteens
sixteenth
sixteenthly
sixteenths
sixtes
sixth
sixthet
sixthly
sixths
sixties
sixtieth
sixtieths
sixtine
sixty
sixtyfold
sixtypenny
sizable
sizableness
sizably
sizal
sizar
sizars
sizarship
size
sizeable
sizeableness
sizeably
sized
sizeine
sizeman
sizer
sizers
sizes
sizier
siziest
siziests
siziness
sizinesses
sizing
sizings
sizy
sizygia
sizygium
sizz
sizzard
sizzing
sizzle
sizzled
sizzler
sizzlers
sizzles
sizzling
sizzlingly
sjambok
sjomil
sjomila
sk
skalpund
skamoog
skaddle
skaff
skaffie
skag
skags
skail
skailie
skainsmate
skair
skaitbird
skaitthy
skal
skalawag
skald
skaldic
skalds
skaldship
skalpund
skance
skandhas
skart
skasely
skat
skate
skateable
skateboard
skateboarded
skateboarder
skateboarders
skateboarding
skateboards
skated
skatemobile
skatepark
skater
skaters
skates
skatikas
skatiku
skating
skatings
skatist
skatol
skatole
skatoles
skatology
skatols
skatoma
skatoscopy
skatosine
skatoxyl
skats
skaw
skayles
skean
skeane
skeanes
skeanockle
skeans
skeat
sked
skedaddle
sked addled
sked addler
skedaddling
skedge
skedgewith
skedlock
skee
skeeball
skeech
skeed
skeeg
skeening
skeel
skeeling
skeely
skeen
skeens
skeenye
skeer
skeered
skeery
skees
skeesicks
skeet
skeeter
skeeters
skeets
skeezicks
skeezix
skeg
skegger
skegs
skeich
skeif
skeigh
skeighish
skeily
skein
skeined
skeiner
skeining
skeins
skeipp
skel
skelder
skelderdake
skeldock
skeldraik
skeldrake
skelet
skeletal
skeletally
skeletin
skeletogenous
skeletogeny
skeletomuscular
skeleton
skeleton's
skeletonian
skeletonic
skeletonise
skeletonised
skeletonising
skeletonization
skeletonize
skeletonized
skeletonizer
skeletonizing
skeletonless
skeletonlike
skeletons
skeletonweed
skeletony
skelf
skelgoose
skelic
skell
skellat
skeller
skelloch
skellum
skellums
skelly
skelp
skelped
skelper
skelpin
skelping
skelpit
skelps
skelter
skeltered
skeltering
skelters
skeltonic
skeltonics
skelvy
skemmel
skemp
sken
skenai
skene
skenes
skeo
skeough
skep
skepfuful
skepfuls
skeppe
skeppist
skeppund
skeps
skepsis
skepsises
skeptic
skeptic’s
skeptical
skeptically
skepticalness
skepticism
skepticize
skepticized
skepticizing
skeptics
skeptophylaxia
skeptophylaxis
sker
skere
skerret
skerrick
skerries
skerry
skers
sket
sketch
sketchability
sketchable
sketchbook
sketched
sketchee
sketcher
sketchers
sketches
sketchier
sketchiest
sketchily
sketchiness
sketching
sketchingly
sketchist
sketchlike
sketchpad
sketchy
skete
sketiota
skeuomorph
skeuomorphic
skevish
skew
skewback
skewbacked
skewbacks
skewbald
skewbalds
skewed
skewer
skewered
skidders
skiddier
skiddiest
skidding
skiddingly
skiddoo
skiddooed
skiddooing
skiddoos
skiddy
skiddlycock
skildid
skidoo
skidooed
skidooing
skidoos
skidpan
skidproof
skids
skidway
skidways
skiech
skied
skiegh
skieppe
skiepper
skier
skiers
skies
skieur
skiey
skiff
skiffle
skiffled
skiffles
skiffless
skiffling
skiffs
skift
skiing
skiings
skiis
skijore
skijorer
skijorers
skijoring
skil
skilder
skimpier
skimpiest
skimpily
skimpiness
skimping
skimpingly
skimps
skimpy
skims
skin
skin's
skinball
skinbound
skinch
skindive
skindiver
skindiving
skinflick
skinfint
skinfintily
skinfintiness
skinfints
skinfinty
skinfu1
skinfu1s
skinhead
skinheads
skink
skinked
skinker
skinkers
skinking
skinkle
skinks
skinless
skinlike
skinned
skinner
skinner's
skinneries
skinners
skinnery
skinnier
skinniest
skinniness
skinning
skinny
skins
skint
skintight
skintle
skintled
skintling
skinworm
skiogram
skiograph
skiophyte
skioring
skiorings
skip
skipbrain
skipdent
skipjack
skipjackly
skipjacks
skipkennel
skiplane
skiplanes
skipman
skippable
skipped
skippel
skipper
skipper's
skipperage
skippered
skippering
skippers
skippership
skippery
skippet
skippets
skipping
skippingly
skipple
skippund
skippy
skips
skiptail
skipway
skirl
skirlock
skirled
skirled
skirling
skirls
skirmish
skirmished
skirmisher
skirmishers
skirmishes
skirmishing
skirmishly
skirp
skirr
skirred
skirreh
skirret
skirrets
skirring
skirrs
skirt
skirtboard
skirted
skirter
skirters
skirting
skirtingly
skirtings
skirtless
skirtlike
skirts
skirty
skirwhit
skirwort
skis
skit
skite
skited
skiter
skites
skither
skiting
skittishly
skits
skitter
skittered
skitterier
skitterier
skitteriest
skitteriest
skittering
skitters
skittery
skittish
skittishly
skittishness
skittle
skittled
skittler
skittles
skittling
skitty
skittyboot
skiv
skive
skived
skiver
skivers
skiverwood
skives
skivie
skivies
skiving
skivvies
skivvy
skivy
skiwear
skiwears
skiwies
skiwy
sklate
sklater
sklent
sklented
sklenting
sklents
skleropelite
sklinter
skoal
skoaled
skoaling
skoals
skogbolite
skokiaan
skol
skolly
skomerite
skoo
skookum
skoot
skoptsy
skout
skouth
skraeling
skywrite
skywriter
skywriters
skywrites
skywriting
skywritten
skywrote
sl
sla
slab
slabbed
slabber
slabbered
slabberer
slabbering
slabbers
slabbery
slabbiness
slabbing
slabby
slabby
slabline
slabman
slabness
slabs
slabstone
slabwood
slack
slackage
slacked
slacken
slackened
slackener
slackening
slackens
slacker
slackerism
slackers
slackest
slackie
slacking
slackingly
slackly
slackminded
slackmindedness
slackness
slacks
slackwitted
slackwittedness
slammocky
slamp
slampamp
slampant
slams
slander
slandered
slanderer
slanderers
slanderful
slanderfully
slandering
slanderingly
slanderous
slanderously
slanderousness
slanderproof
slanders
slane
slang
slanged
slangier
slangiest
slangily
slanginess
slanging
slangish
slangishly
slangism
slangkop
slangous
slangrell
slangs
slangster
slanguage
slangular
slangwhang
slangy
slank
slant
slanted
slanter
slantindicular
slantindicularly
slanting
slantingly
slantingways
slantly
slants
slantways
slantwise
slap
slapdab
slapdash
slapdasher
slapdashery
slapdashes
slape
slaphappier
slaphappiest
slaphappy
slapjack
slapjacks
slapped
slapper
slappers
slapping
slappy
slaps
slapshot
slapstick
slapsticks
slapsticky
slare
slart
slarth
slash
slashed
slasher
slashers
slashes
slashing
slashingly
slashings
slashy
slask
slat
slat's
slatch
slatches
slate
slated
slateful
slateline
slatemaker
slatemaking
slaws
slay
slayable
slayed
slayer
slayers
slaying
slays
sld
sleathy
sleave
sleaved
sleaves
sleaving
sleazier
sleaziest
sleazily
sleaziness
sleazy
sleck
sled
sled's
sledded
sledder
sledgers
sledding
sleddings
sledful
sledge
sledge's
sledged
sledgehammer
sledgehammering
sledgehammers
sledgeless
sledgemeter
sledger
sledges
sledging
sledlike
sleds
slee
sleech
sleechy
sleek
sleeked
sleeken
sleekened
sleepyheads
sleer
sleet
sleeted
sleetier
sleetiest
sleetiness
sleeting
sleetproof
sleets
sleety
sleeve
sleeve's
sleeveband
sleeveboard
sleeved
sleeveen
sleevefish
sleeveful
sleeveless
sleevelessness
sleevelet
sleevelike
sleever
sleeves
sleeving
slezy
sleided
sleigh
sleighed
sleigher
sleighers
sleighing
sleighs
sleight
sleightful
sleightness
sleights
sleighty
slendang
slender
slenderer
slenderest
slenderish
slenderization
slenderize
slenderized
slenderizes
slenderizing
slenderly
slenderness
slent
slepez
slept
slete
sleuth
sleuthdog
sleuthed
sleuthful
sleuthhound
sleuthing
sleuthlike
sleuths
slew
slewed
slewer
slewing
slewingslews
slews
sleuthth
sley
sleyed
sleyer
sleying
sleys
slibbersauce
slice
sliceable
sliced
slicer
slicers
slices
slich
slicht
slicing
slicingly
slick
slicked
slicken
slickens
slickenside
slickensided
slicker
slickered
slickers
slickery
slightly
lightness
lighting
lightingly
lightish
slightly
lightness
sights
slightly
slight
slily
slim
slime
slimed
slimeman
slimemen
slimepit
slimer
slimes
slimier
slimiest
slimily
sliminess
sliming
slimish
slimishness
slimline
slimly
slimmed
slimmer
slimmest
slimming
slimmish
slimness
slimnesses
slimpsi
slimpsi
slimpsy
slims
slimsi
slimsi
slimsy
slimy
slime
sling
slingback
slingball
slinge
slinger
slingers
slinging
slingman
slings
slingshot
slingshots
slingsman
slingsmen
slingstone
slink
slinker
slinkier
slinkiest
slinkily
slinkiness
slinking
slinkingly
slinks
slinkskin
slinkweed
slinky
slinte
slip
slip's
slipback
slipband
slipboard
slipbodies
slipbody
slipcase
slipcases
slipcoach
slipcoat
slipcote
slipcover
slipcovers
slipe
sliped
slipes
slipform
slipformed
slipforming
slipforms
slipgibbet
sliphalter
sliphorn
sliphouse
sliping
slipknot
slipknots
slipless
slipman
slipnoose
slipout
slipouts
slipover
slipovers
slippage
slippages
slipped
slipper
slipper's
slippered
slipperflower
slipperier
slipperiest
slipperily
slipperiness
slipperlike
slippers
slipperweed
slipperwort
slippery
slipperyback
slipperyroot
slippier
slippiest
slippiness
slipping
slippingly
slipproof
slippy
sliprail
slips
slipsheet
slipshod
slipshoddiness
slipshoddy
slipshedness
slipshoe
slipskin
slipslap
slipslop
slipsloppish
slipsloppism
slipslops  
slipsole  
slipsoles  
slipstep  
slipstick  
slipstone  
slipstream  
slipstring  
slipt  
sliptopped  
slipup  
slipups  
slipware  
slipwares  
slipway  
slipways  
slirt  
slish  
slit  
slit's  
slitch  
slite  
slither  
slithered  
slithering  
slitheroo  
slithers  
slithery  
slithy  
sliting  
slitless  
slitlike  
slits  
slitshell  
slitted  
slitter  
slitters  
slitting  
slitty  
slitwing  
slitwise  
slitwork  
slive  
sliver  
slivered  
sliverer  
sliverers  
slivering
sliverlike
silverproof
slivers
slivery
sliving
slivovic
slivovics
slivovitz
sliwer
sloan
sloat
slob
slobber
slobberchops
slobbered
slobberer
slobbering
slobbers
slobbery
sobbiness
slobbish
slobby
slobs
slock
slocken
slocker
slockingstone
slockster
slod
slodder
slocke
sloe
sloeberry
sloeberrries
sloeberry
sloeberries
sloebush
sloes
sloetree
slog
slogan
slogan's
sloganeer
sloganize
slogans
slogged
slogger
sloggers
slogging
sloggingly
slogs
slogwood
sloid
sloids
slojd
slojds
sloka
sloke
sloked
sloken
sloking
slommack
slommacky
slommock
slon
stone
slonk
sloo
sloom
sloomy
sloop
sloopman
sloopmen
sloops
sloosh
sloot
slop
slopdash
slope
sloped
sloply
slopeness
sloper
slopers
slopes
sloпeways
sloпewise
sloping
slopingly
slopingness
slopemaker
slopemarking
slopagemaking
sloppage
slopped
slopperies
sloppery
sloppier
sloppiest
sloppily
sloppiness
slopping
sloppy
slops
slopseller
slopselling
slopshop
slopstone
slopwork
slopworker
slopworks
slopy
slorp
slosh
sloshed
slosher
sloshes
sloshier
slooshiest
sloshily
sloshiness
sloshing
sloshy
slot
slot's
slotback
slotbacks
slote
sloted
sloth
slothful
slothfully
slothfulness
slothfuls
slothhound
sloths
slotman
slots
slotted
slotted
slotten
slotter
slottery
slotting
slotwise
sloubbie
slouch
slouched
sloucher
slouchers
slouches
slouchier
slouchiest
slouchily
slouchiness
slouching
slouchingly
slouchy
slough
sloughed
sloughier
sloughiest
sloughiness
sloughing
sloughs
sloughy
slounge
slounger
slour
sloush
slovak
slovaks
sloven
slovene
slovenian
slovenlier
slovenliest
slovenlike
slovenliness
slovenly
slovenry
slovens
slovenwood
slow
slowback
slowbellied
slowbellies
slowbelly
slowcoach
slowdown
slowdowns
slowed
slower
slowest
slowful
slowgoing
slowheaded
slowhearted
slowheartedness
slowhound
slowing
slowish
slowly
slowmouthed
slowness
slownesses
slowpoke
slowpokes
slowrie
slows
slowup
slowwitted
slowwittedly
slowworm
slowworms
sloyd
sloyds
slt
slub
slubbed
slubber
slubberdegullion
slubbered
slubberer
slubbering
slubberingly
slubberly
slubbers
slubbery
slubbing
slubbings
slubby
slubs
slud
sludder
sluddery
sludge
sludged
sludger
sludges
sludgier
sludgiest
sludging
sludginess
sluit
slum
slum's
slumber
slumbered
slumberer
slumberers
slumberful
slumbering
slumberingly
slumberland
slumberless
slumberous
slumberously
slumberousness
slumberproof
slumbers
slumbersome
slumbery
slumbrous
slumdom
slumgullion
slumgum
slungums
slumland
slumlike
slumlord
slumlords
slummage
slummed
slummer
slummers
slummier
slummiest
slumminess
slumming
slummock
slummicky
slummy
slump
slumped
slumping
slumproof
slumproof
slumps
slumpwork
slumpy
slums
slumward
slumwise
slung
slungbodies
slungbody
slunge
slungshot
slunk
slunken
slup
slur
slur's
slurb
slurban
slurbow
slurbs
slurp
slurped
slurping
slurps
slurried
slurries
slurring
slurringly
slurry
slurrying
slurs
slurvian
slush
slushed
slusher
slushes
slushier
slushiest
slushily
slushiness
slushing
slushpit
slushy
slut
slutch
slucky
sluther
sluthood
slutted
slutter
sluttered
sluttering
sluttery
sluttikin
slutting
sluttish
sluttishly
sluttishness
slutty
sly
slyboots
slyer
slyest
slyish
slyly
slyness
slynesses
slype
slypes
sm
sma
smachrie
smack
smacked
smackee
smacker
smackeroo
smackeroos
smackers
smackful
smacking
smackingly
smacks
smacksman
smacksmen
smaik
small
smallage
smallages
smallboy
smallclothes
smallcoal
smallen
smaller
smallest
smallhearted
smallholder
smallholding
smelting
smeltman
smelts
smerk
smerked
smerking
smerks
smervy
smeth
smethe
smeuse
smearth
smew
smews
smich
smicker
smicket
smickly
smddie
smiddum
smiddy
smidge
smidgen
smidgens
smidgeon
smidgeons
smidgin
smidgins
smiercase
smifligate
smifligation
smift
smiggins
smilaceous
smilacaceous
smilaceous
smilacin
smilax
smilaxes
smile
smileable
smileage
smiled
smileful
smilefulness
smileless
smilelessly
smilelessness
smilemaker
smokeho
smokehole
smokehouse
smokehouses
smokejack
smokejumper
smokeless
smokelessly
smokelessness
smokelike
smokepot
smokepots
smokeproof
smoker
smokers
smokery
smokes
smokescreen
smokeshift
smokestack
smokestacks
smokestone
smoketight
smokewood
smokey
smokier
smokies
smokiest
smokily
smokiness
smoking
smokings
smokish
smoko
smokos
smoky
smokyseeming
smolder
smoldered
smoldering
smolderingness
smolders
smolt
smolts
smooch
smooched
smooches
smooching
smoochs
smoochy
smoodge
smoodged
smoodger
smoodging
smooge
smook
smoorich
smoot
smooth
smoothable
smoothback
smoothboots
smoothbore
smoothbored
smoothcoat
smoothed
smothen
smoothened
smoothening
smoothens
smoother
smoothers
smoothes
smoother
smoothest
smoothhound
smothie
smoothies
smoothification
smoothify
smoothing
smoothingly
smoothish
smoothly
smoothmouthed
smoothness
smoothpate
smooths
smoothtongue
smoothy
smopple
smore
smorebro
smorgasbord
smorgasbords
smorzando
smorzato
smote
smother
smotherable
smotheration
smothered
smotherer
smotheriness
smothering
smotheringly
smothers
smothery
smotter
smouch
smoucher
smoulder
smouldered
smouldering
smoulders
smous
smouse
smouser
smout
smrgs
smriti
smrrebrd
smudder
smudge
smudged
smudgedly
smudgeless
smudgeproof
smudger
smudges
smugdier
smudgiest
smudgily
smudginess
smudging
smudgy
smug
smugger
smuggery
smuggest
smuggish
smuggishly
smuggishness
smuggle
smuggleable
smuggled
smuggler
smugglers
smugglery
smuggles
smuggling
smugism
smugly
smugness
smugnesses
smuisty
smur
smurks
smurr
smurry
smurtle
smuse
smush
smut
smutch
smutched
smutches
smutchier
smutchiest
smutching
smutchless
smutchy
smutless
smutproof
smuts
smutted
smutter
smuttier
smuttiest
smuttily
smuttiness
smutting
smutty
smyrna
smyriote
smyth
smytrie
sn
snab
snabbie
snabble
snabby
snack
snacked
snackette
snacking
snackle
snackman
snacks
snacky
snaff
snaffle
snafflebit
snaffled
snaffles
snaffling
snafu
snaufed
snaufing
snaufs
snag
snagbush
snagged
snagger
snaggier
snaggiest
snagging
snaggle
snaggled
snaggleteeth
snaggletooth
snaggletoothed
snaggy
snaglike
snagline
snagrel
snags
snail
snail's
snailer
snailed
snailery
snailfish
snailfishess
snailflower
snailflower
snailing
snailish
snailishly
snaillike
snails
snaily
snapweed
snapweeds
snapwood
snapwort
snapy
snare
snared
snareless
snarer
snarers
snares
snaring
snaringly
snark
snarks
snarl
snarled
snarler
snarlers
snarleyow
snarleyyow
snarlier
snarliest
snarling
snarlingly
snarlish
snarls
snarly
snary
snash
snashes
snast
snaste
snasty
snatch
snatchable
snatched
snatcher
snatchers
snatches
snatchier
snatchiest
snatchily
snatching
snatchingly
snatchproof
snatchy
snath
snathe
snathes
snaths
snatlock
snavel
snavvle
snaw
sawed
sawing
sawle
snaws
snazzier
snazziest
snazziness
snazzy
snead
sneak
sneakbox
sneaked
sneaker
sneakered
sneakers
sneakier
sneakiest
sneakily
sneakiness
sneaking
sneakingly
sneakingness
sneakish
sneakishly
sneakishness
sneaks
sneaksby
sneaksman
sneaky
sneap
sneaped
sneaping
sneaps
sneath
sneathe
sneb
sneck
sneckdraw
sneckdrawing
sneckdrawn
snecked
snecker
snecket
snecking
snecks
sneeq
sneeqed
sneeqing
sneeqs
snee
sneer
sneered
sneerer
sneerers
sneerful
sneerfulness
sneering
sneeringly
sneerless
sneers
sneery
sneesh
sneeshes
sneeshing
sneest
sneesty
sneeze
sneezed
sneezeless
sneezeproof
sneezer
sneezers
sneezes
sneezeweed
sneezewood
sneezewort
sneezier
sneeziest
sneezing
sneezy
snell
sneller
snellest
snells
snelly
snerp
snew
snib
snibbed
snibbing
snibble
snibbled
snibbler
snibel
snibs
snicher
snick
snickdraw
snickdrawing
snicked
snicker
snickered
snickerer
snickering
snickeringly
snickers
snickersnee
snickery
snicket
snickey
snicking
snickle
snicks
sniddle
snide
snidely
snideness
snider
snidery
snidest
snies
sniff
sniffable
sniffed
sniffer
sniffers
sniffier
sniffiest
sniffily
sniffiness
sniffing
sniffingly
sniffish
sniffishly
sniffishness
sniffle
sniffled
snivelled
sniveller
snivelling
snivelly
snivels
snively
snivey
snivy
snob
snobber
snobberies
snobbens
snobbery
snobbess
snobbier
snobbies
snobbiness
snobbing
snobbish
snobbishly
snobbishness
snobbism
snobbisms
snobby
snobdom
snobism
snobling
snobocracy
snobocrat
snobographer
snobography
snobol
snobologist
snobonomer
snobs
snobscat
snocat
snocher
snock
snocker
snod
snodly
snoek
snoeking
snog
snoga
snoke
snollygoster
snood
snooded
snooding
snoods
snook
snooked
snooker
snookered
snookers
snooking
snooks
snookums
snool
snooled
snooling
snools
snoop
snooped
snooper
snoopers
snooperscope
snoopier
snoopiest
snoopily
snooping
snoops
snoopy
snoose
snoot
snooted
snootful
snootfuls
snootier
snootiest
snootily
snootiness
snooting
snoots
snooty
snoove
snooze
snoozed
snoozer
snoozers
snoozes
snoozier
snooziest
snowflight
snowflower
snowfowl
snowhammer
snowhouse
snowie
snowier
snowiest
snowily
snowiness
snowing
snowish
snowk
snowl
snowland
snowlands
snowless
snowlike
snowmaker
snowmaking
snowman
snowmanship
snowmast
snowmelt
snowmelts
snowmen
snowmobile
snowmobiler
snowmobilers
snowmobiles
snowmobiling
snowpack
snowpacks
snowplough
snowplow
snowplowed
snowplowing
snowplows
snowproof
snows
snowscape
snowshade
snowshed
snowsheds
snowshine
snowshoe
snowshoe's
snowshoed
snowshoeing
snowshoer
snowshoes
snowshoing
snowslide
snowslip
snowstorm
snowstorms
snowsuit
snowsuits
snowthrower
snowworm
snowy
snozzle
snub
snubbable
snubbed
snubbee
snubber
snubbersons
snubbier
snubbiest
snubbiness
snubbing
snubbingly
snubbish
snubbishly
snubbishness
snubby
snubness
snubnesses
snubnose
snubproof
snubs
snuck
snudge
snudgery
snuff
snuffbox
snuffboxer
snuffboxes
snuffcolored
snuffed
snuffer
snuffers
snuffier
snuffiest
snuffily
soapless
soaplike
soapmaker
soapmaking
soapmonger
soapolallie
soaprock
soaproot
soaps
soapstone
soapstoner
soapstones
soapsud
soapsuddy
soapsuds
soapsudsy
soapweed
soapwood
soapworks
soapwort
soapworts
soapy
soar
soarability
soarable
soared
soarer
soarers
soaring
soaringly
soarings
soars
soary
soave
soavemente
soaves
sob
sobbed
sobber
sobbers
sobbing
sobbingly
sobby
sobeit
sober
sobered
soberer
soberest
social
socialisation
socialise
socialised
socialising
socialism
socialist
socialist's
socialistic
socialistically
socialists
socialite
socialites
socialities
sociality
socializable
socialization
socializations
socialize
socialized
socializer
socializers
socializes
socializing
socially
socialness
socials
sociate
sociation
sociative
societies
societal
societally
societarian
societarianism
societary
societas
societe
societeit
societies
societified
societism
societist
societologist
societology
society
society's
societyese
societyish
societyless
socii
sociician
sociobiological
sociobiology
sociocentric
sociocentricity
socio-centrism
sociocracy
sociocrat
sociocratic
sociocultural
socioculturally
sociodrama
sociodramatic
socio-economic
socioeconomically
socioeducational
sociogenesis
sociogenetic
sociogenic
sociogeny
sociogram
sociography
sociol
sociolatry
sociolegal
sociolinguistic
sociolinguistics
sociologese
sociologist
sociologistically
sociologistically
sociologists
sociologize
sociologized
sociologizer
sociologizing
sociology
sociomedical
sociometric
sociometry
socionomic
socionomics
socionomy
sociopath
sociopathic
sociopathies
sociopaths
sociopathy
sociophobic
sociopolitical
sociopsychological
socioreligious
socioromantic
sociosexual
sociosexualities
sociosexuality
sociostatic
sociotechnical
socius
sock
sockdolager
sockdologer
socked
socker
sockeroo
sockeroos
socket
socket's
socketed
socketful
socketing
socketless
sockets
sockeye
sockeyes
sockhead
socking
sockless
socklessness
sockmaker
sockmaking
sockman
sockmen
socko
socks
socky
soele
sodiotartrate
sodium
sodiums
sodless
sodoku
sodom
sodomic
sodomies
sodomist
sodomite
sodomites
sodomitess
sodomitic
sodomitical
sodomitically
sodomize
sodomy
sods
sodwork
sody
soe
soekoe
soever
sofa
sofa's
sofane
sofar
sofars
sofas
sofer
sofferid
soffione
soffioni
soffit
soffits
soffrito
sofia
sofkee
soft
softa
softas
softback
softbacks
softball
softballs
softboard
softbound
softbrained
solarism
solarisms
solarist
solaristic
solaristically
solaristics
solarium
solariums
solarization
solarize
solarized
solarizes
solarizing
solarometer
solary
solate
solated
solates
solatia
solating
solution
solutions
solatium
solattia
solay
solazzi
sold
soldado
soldadoes
soldados
soldan
soldanel
soldanelia
soldanelle
soldanrie
soldans
soldat
soldatesque
solder
solderability
soldered
solderer
solderers
soldering
solderless
solders
soldi
soldier
soldierbird
soldierbush
soldierdom
soldiered
soldieress
soldierfare
soldierfish
soldierfishes
soldierhearted
soldierhood
soldieries
soldiering
soldierize
soldierlike
soldierliness
soldierly
soldierproof
soldiers
soldiership
soldierwise
soldierwood
soldiery
soldo
sole
solea
soleas
solecise
solecised
solecises
solecising
solecism
solecisms
solecist
solecistic
solecistical
solecistically
solecists
solecize
solecized
solecizer
solecizes
solecizing
soled
soleform
soleil
solein
soleless
solely
solemn
solemnycholy
solemner
solemnness
solemnest
solemnified
solemnify
solemnifying
solemnise
solemnities
solemnitude
solemnity
solemnization
solemnize
solemnized
solemnizer
solemnizes
solemnizing
solemnly
solemnness
solen
solenaceous
solenaceous
soleness
solenesses
solenette
solenial
solenite
solenitis
solenium
solenne
solennemente
solenococonch
solenocyte
solenodon
solenodont
solenogaster
solenoglyph
solenoglyphic
solenoid
solenoidal
solenoidally
solenoids
solenostele
solenostelic
solenostomid
solenostomoid
solenostomous
solent
solentine
solepiece
soleplate
soleprint
soler
solera
soleret
solerets
solert
soles
soleus
soleyn
soleyne
solf
solfatara
solfataric
solfege
solfeges
solfeggi
solfeggiare
solfeggio
solfeggios
sofferino
solfe
solgel
soli
soliative
solicit
solicitant
solicitation
solicitationism
solicitations
solicited
solicitee
soliciter
soliciting
solicitor
solicitors
solicitorship
solicitous
solicitorly
solicitousness
solicitress
solicitrix
solicits
solicitude
solicitudes
solicitudinous
solid
solidago
solidagos
solidare
solidaric
solidarily
solidarism
solidarist
solidaristic
solidarities
solidarity
solidarize
solidarized
solidarizing
solidary
solidate
solidated
solidating
solideo
solider
solidest
solidi
solidifiability
solidifiable
solidifiableness
solidification
solidified
solidifier
solidifies
solidiform
solidify
solidifying
solidillu
solidish
solidism
solidist
solidistic
solidities
solidity
solidly
solidness
solido
solidomind
solids
solidudi
solidum
solidungular
solidungulate
solidus
solifidian
solifidianism
solifluxion
solifluxional
soliform
solifuge
solifugean
solifugid
solifugous
soliloquacious
soliloquies
soliloquise
soliloquised
soliloquiser
soliloquising
soliloquisingly
soliloquist
soliloquium
soliloquize
soliloquized
soliloquizer
soliloquizes
soliloquizing
soliloquizingly
soliloquy
solilunar
soling
solo
solion
solions
soliped
solipedal
solipedous
solipsism
solipsismal
solipsist
solipsistic
solipsists
soliquid
soliquids
solist
soliste
solitaire
solitaires
solitarian
solitaries
solitarily
solitariness
solitary
soliterraneous
solitidal
soliton
solitons
solitude
solitude's
solitudes
solitudinarian
solitudinize
solitudinized
solitudinizing
solitudinous
solivagant
solivagous
sollar
sollaria
soller
solleret
sollerets
sollicker
sollicking
solmizate
solmization
soln
solo
solo's
solod
solodi
solodization
solodize
soloccephanes
soloed
soloing
soloist
soloistic
soloists
solomon
solon
solonchak
solonets
solonetuses
solonetz
solonetzes
solonetzic
solonetzicity
solonist
solons
solos
soloth
solotink
solotnik
solpuga
solpugid
sols
solstice
solstices
solsticion
solstitia
solstitial
solstitially
solstitium
solubilities
solubility
solubilization
solubilize
solubilized
solubilizing
soluble
solubleness
solubles
solubly
solum
solums
solunar
solus
solute
solutes
solutio
solution
solution's
solutional
solutioner
solutionis
solutionist
solutions
solutive
solutize
solutizer
solutory
solutrean
solutus
solv
solvaaed
somatically
somaticosplanchnic
somaticovisceral
somatics
somatism
somatist
somatization
somatochrome
somatocyst
somatocystic
somatoderm
somatogenetic
somatogenic
somatognosis
somatognostic
somatologic
somatological
somatologically
somatologist
somatology
somatome
somatomic
somatophyte
somatophytic
somatoplasm
somatoplastic
somatopleural
somatopleure
somatopleuric
somatopsychic
somatosensory
somatosplanchnic
somatotonia
somatotonic
somatotrophin
somatotropic
somatotropically
somatotropin
somatotropism
somatotype
somatotyper
somatotypic
somatotypically
somatotypology
somatotypy
somatous
somatrophin
somber
somberish
somberly
somberness
sombre
sombreish
sombreite
sombrely
sombreness
sombrerite
sombrero
sombreroed
sombreros
sombrous
sombrously
sombrousness
sombdel
sombdiel
some
somebodies
somebody
somebody'll
somebody'll
someday
somedays
somedeal
somegate
somehow
someone
someone'll
someone's
someone'll
someone's
someones
somepart
someplace
somers
somersault
somersaulted
somersaulting
somersaults
somerset
somerseted
somerseting
somersets
somersetted
somersetting
somervillite
somesthesia
somesthesis
somesthesises
somesthetic
somet
something
somethingness
sometime
sometimes
somever
sowemay
sowemays
somewhat
somewhatly
somewhatness
somewhats
somewhen
somewhence
somewhere
somewheres
somewhile
somewhiles
somewhither
somewhy
somewise
somital
somite
somites
somitic
somler
samma
sommaite
sommelier
sommeliers
sommite
somnambulance
somnambulancy
somnambulant
somnambular
somnambulary
somnambulate
somnambulated
somnambulating
somnambulation
somnambulator
somnambule
somnambulency
somnambulic
somnambulically
somnambulism
somnambulist
somnambulistic
somnambulistically
somnambulists
somnambulize
somnambulous
somne
somner
somniate
somniative
somniculous
somnifacient
somniferous
somniferously
somnific
somnifuge
somnifugous
somnify
somniloquacious
somniloquence
somniloquent
somniloquies
somniloquism
somniloquist
somniloquize
somniloquous
somniloquy
somnipathist
somnipathy
somnivolency
somnivolent
somnolence
somnolences
somnolencies
somnolency
somnolent
somnolently
somnolescence
somnolescent
somnolism
somnolize
somnopathy
somnorific
somnus
sompay
sompne
sompner
songful
songfully
songfulness
songish
songkok
songland
songle
songless
songlessly
songlessness
songlet
songlike
songman
songs
songsmith
songster
songsters
songstress
songstresses
songworthy
songwright
songwriter
songwriters
songwriting
songy
sonhood
sonic
sonica
sonically
sonicate
sonicated
sonicates
sonicating
sonication
sonicator
sonics
soniferous
sonification
soning
soniou
sonk
sonless
sonlike
sonlikeness
sonly
sonneratiaceous
sonnet
sonnet's
sonnetary
sonneted
sonneteer
sonneteeress
sonnetic
sonneting
sonnetisation
sonnetise
sonnetised
sonnetish
sonnetising
sonnetist
sonnetization
sonnetize
sonnetized
sonnetizing
sonnetlike
sonnery
sonnets
sonneted
sonnetting
sonnetwise
sonnies
sonnikins
sonnobuoy
sonny
sonobuoy
sonogram
sonography
sonometer
sonorant
sonorants
sonores
sonoence
sonoence
sonoherent
sonoric
sonoriferous
sonoriferously
sonorific
sonorities
sonority
sonorize
sonorophone
sonorosity
sonorous
sonorously
sonorousness
sonovox
sonovoxes
sons
sonship
sonships
sonsie
sonsier
sonsiest
sonsy
sontag
sontenna
soochong
soochongs
soodle
soodled
soodling
soodly
sooey
soogan
soogee
soogeed
soogeeing
soogeing
soojee
sook
sookie
sooky
sool
sooloos
soom
soon
sooner
sooners
soonest
soonish
soonly
soony
sooper
soorawn
soord
sooreyn
soorkee
soorki
soorky
soorma
soosoo
soot
sooted
sooter
sorbile
sorbin
sorbing
sorbinose
sorbitan
sorbite
sorbitic
sorbitize
sorbitol
sorbitols
sorbol
sorbonist
sorbose
sorboses
sorbosid
sorboside
sorbs
sorbus
sorcer
sorcerer
sorcerer's
sorcerers
sorceress
sorceresses
sorceries
sorcering
sorcerize
sorcerous
sorcerously
sorcery
sorchin
sord
sorda
sordamente
sordavalite
sordavalite
sordellina
sordes
sordid
sordidity
sordidly
sordidness
sordine
sordines
sordini
sordino
sordo
sordor
sorrowfully
sorrowfulness
sorrowing
sorrowingly
sorrowless
sorrowlessly
sorrowlessness
sorrowproof
sorrows
sorrowy
sorry
sorryhearted
sorryish
sort
sortable
sortably
sortal
sortance
sortation
sorted
sorter
sorters
sortes
sortiary
sortie
sorted
sortieing
sorties
sortilege
sortilegeer
sortilegei
sortilegic
sortilegious
sortilegus
sortilege
sortiment
sorting
sortita
sortition
sortlige
sortly
sortment
sorts
sortwith
sority
sorus
sorva
sory
sos
sosh
soshed
sosie
soso
sosoish
sospiro
sosquil
soss
sossiego
sossle
sostenendo
sostenente
sostenuti
sostenuto
sostenutos
sostinente
sostinento
sot
sotadean
sotadic
soterial
soteriologic
soteriological
soteriology
soth
sothiac
sothic
sothis
soths
sotie
sotnia
sotnik
sotol
sotols
sots
sottage
sotted
sottedness
sotter
sottery
sottie
sotting
sottise
sottish
sottishly
sottishness
sotweed
souk
soul
soul's
soulack
soulbell
soulcake
souldie
souled
soulful
soulfully
soulfulness
soulheal
soulhealth
soulical
soulish
soulless
soullessly
soullessness
soullike
soulpence
soulpenny
souls
soulsaving
soult
soultre
soulward
soulx
souly
soulz
soum
soumak
soumansite
soumarque
sound
soundable
soundage
soundboard
soundboards
soundbox
soundboxes
sounded
sounder
sounders
soundest
soundful
soundheaded
soundheadedness
soundhearted
soundheartednes
soundheartedness
sounding
sounding's
soundingly
soundingness
soundings
soundless
soundlessly
soundlessness
soundly
soundness
soundpost
soundproof
soundproofed
soundproofing
soundproofs
sounds
soundscape
soundstripe
soundtrack
soundtracks
soup
soup's
soupbone
soupcon
soupcons
souped
souper
soupfin
soupier
soupiere
soupieres
soupiest
souping
souple
soupled
soupless
souplike
soupling
soupmeat
soupcon
soupeon
soups
soupsoop
soupy
sour
sourball
sourballs
sourbellies
sourbelly
sourberries
sourberry
sourbread
sourbush
sourcake
source
source's
sourceful
sourcefulness
sourceless
sources
sourcround
sourd
sourdeline
sourdine
sourdines
sourdock
sourdook
sourdough
sourdoughs
sourdre
soured
souredness
souren
sourer
sourest
sourhearted
souring
sourish
sourishly
sourishness
sourjack
sourling
sourly
sourness
sournesses
sourock
sourpuss
sourpussed
sourpusses
sours
soursop
soursops
sourtop
sourveld
sourweed
sourwood
sourwoods
soury
sous
sousaphone
sousaphonist
souse
soused
souer
souses
sousewife
soushy
sousing
souslik
soutache
soutaches
soutage
soutane
soutanes
soutar
souteneur
soutenu
souter
souterly
souterrain
souters
south
south'ard
southard
southbound
southcottian
southdown
southeast
southeaster
southeasterly
southeastern
southeasterner
southeasternmost
southeasters
southeastward
southeastwardly
southeastwards
souther
southerland
southerlies
southerliness
southerly
souvlaki
souwester
sov
sovenance
sovenez
sovereign
sovereign's
sovereignness
sovereignize
sovereignly
sovereignness
sovereigns
sovereignship
sovereignities
sovereignty
soverty
soviet
soviet's
sovietdom
sovietic
sovietism
sovietist
sovietistic
sovietization
sovietize
sovietized
sovietizes
sovietizing
soviet
sovite
sovkhos
sovkhose
sovkhoz
sovkhozes
sovkhozy
sovprene
sovran
sovranly
sovrans
sovranties
sovranty
sow
sowable
sowan
sowans
sowar
sowarree
sowarry
spack
spackle
spackled
spackling
spacy
spad
spadaite
spadassion
spaddle
spade
spadebone
spaded
spadefish
spadefoot
spadeful
spadefuls
spadelike
spademan
spademen
spader
spaders
spades
spadesman
spadewise
spadework
spadger
spadiard
spadiceous
spadices
spadicifloral
spadiciflorous
spadiciform
spadicose
spadilla
spadille
spadilles
spadillo
spading
spadish
spadix
spadixes
spado
spadone
spadones
spadonic
spadonism
spadrone
spadroon
spaniards
spaniel
spaniellike
spaniels
spanielship
spaning
spaniolize
spanipelagic
spanish
spanishly
spank
spanked
spanker
spankers
spankily
spanking
spankingly
spankings
spankled
spanks
spanky
spanless
spann
spanned
spannel
spanner
spanner's
spannerman
spannermen
spanners
spanning
spanopnea
spanopnoea
spanpiece
spans
spanspek
spantoon
spanule
spanworm
spanworms
spar
sparable
sparables
sparada
sparadrap
sparage
sparagrass
sparagus
sparassodont
sparaxis
sparch
spare
spareable
spared
spareful
spareless
sparely
spareness
sparer
sparerib
spareribs
sparers
spares
sparesome
sparest
sparganium
sparganosis
sparganum
sparge
sparged
spargefication
sparger
spargers
sparges
sparging
spargosis
sparhawk
sparid
sparids
sparily
sparing
sparingly
sparingness
spark
sparkback
sparked
sparker
sparkers
sparkier
sparkiest
sparkily
sparkiness
sparking
sparkingly
sparkish
sparkishly
sparkishness
sparkle
sparkleberry
sparkled
sparkler
sparklers
sparkles
sparkless
sparklessly
sparklet
sparklike
sparkliness
sparkling
sparklingly
sparklingness
sparkly
sparkplug
sparkplugged
sparkplugging
sparkproof
sparks
sparky
sparlike
sparling
sparlings
sparm
sparoid
sparoids
sparpiece
sparple
sparpled
sparpling
sparred
sparer
sparerier
sparriest
sparring
sparringly
sparrow
sparrow's
sparrowbill
sparrowcide
sparrowcide
sparrowdom
sparrowgrass
sparrowhawk
sparrowish
sparrowless
sparrowlike
sparrows
sparrowtail
sparrowtongue
sparrowwort
sparrowy
sparry
sparrygrass
spars
sparse
sparsedly
sparsely
sparseness
sparser
sparest
sparsile
sparsim
sparsioplast
sparsities
sparsity
spart
sparta
spartacist
spartan
spartans
spartein
sparteine
sparterie
sparth
spartiate
spartle
spartled
spartling
sparus
sparver
spary
spas
spasm
spasmatic
spasmatical
spasmatomanancy
spasmed
spasmic
spasmodic
spasmodical
spasmodically
spasmodicalness
spasmodism
spasmodist
spasmolysant
spasmolysis
spasmolytic
spasmolytically
spasmophile
spasmophilia
spasmophilic
spasmotin
spasmotoxin
spasmotoxine
spasmous
spasms
spasmus
spastic
spastically
spasticities
spasticity
spastics
spat
spatalamancy
spatangoid
spatangoidean
spatchcock
spate
spate's
spated
spates
spath
spatha
spathaceous
spathae
spathal
spathe
spathed
spatheful
spathes
spathic
spathiform
spathilae
spathilla
spathillae
spathose
spathous
spathulate
spatial
spatialism
spatialist
spatiality
spatialization
spatialize
spatially
spatiate
spatiation
spatilomancy
spating
spatio
spatiography
spatiotemporal
spatiotemporally
spatium
spatling
spatium
spats
spattania
spatted
spattee
spatter
spatterdash
spatterdashed
spatterdasher
spatterdashes
spatterdock
spattered
spattering
spatteringly
spatterproof
spatters
spatterware
spatterwork
spatting
spattle
spatted
spatlehoe
spattling
spatula
spatulamancy
spatular
spatulas
spatulate
spatulation
spatule
spatuliform
spatulose
spatulous
spatzle
spaught
spauld
spaulder
spauldroch
spave
spaver
spavie
spavied
spavies
spaviet
spavin
spavind
spavine
spavined
spavins
spavit
spawl
spawler
spawling
spawn
spawneter
spawned
spawner
spawners
spawning
spawns
spawny
spay
spayad
spayard
spayed
spaying
spays
speak
speakable
speakables
speakably
speakeasies
speakeasy
speaker
speakeress
speakerphone
speakers
speakership
speakhouse
speakie
speakies
speaking
speakingly
speakingness
speakings
speakless
speaklessly
speaks
speal
spearbone
spear
spearheaded
spearheading
spearheads
spearing
spearlike
spearman
spearmanship
spearmen
spearmint
spearmints
spearproof
spear
spearproof
spearman
spearman
spearman
spearwood
spearwort
speary
speave
spec
specchio
spece
special
specialer
specialist
specialisation
specialise
specificity
specificize
specificized
specificizing
specificly
specificness
specifics
specified
specifier
specifiers
specifies
specificist
specify
specifying
specillum
specimen
specimen's
specimenize
specimenized
specimens
speciology
speciosities
speciosity
specious
speciously
speciousness
speck
speck's
specked
speckedness
speckfall
speckier
speckiest
speckiness
specking
speckle
specklebelly
specklebreast
speckled
speckledbill
speckledness
speckledly
specklehead
speckles
speckless
specklessly
specklessness
speckliness
spectre
spectred
spectres
spectrobaolograph
spectrobaolographic
spectrobaolometer
spectrobaolometric
spectrochemical
spectrochemistry
spectrocolorimetry
spectrocomparator
spectroelectric
spectrofluorimeter
spectrofluorometer
spectrofluormetric
spectrofluorometry
spectrogram
spectrogram's
spectrograms
spectrograph
spectrographer
spectrographic
spectrographically
spectrographies
spectrographs
spectrography
spectrohelogram
spectroheligraph
spectroheligraphic
spectroheligraphy
spectroheliscope
spectrohelioscopic
spectrological
spectrologically
spectrology
spectrometer
spectrometers
spectrometric
spectrometries
spectrometry
spectromicroscope
spectromicroscopical
spectrophobia
spectrophoby
spectrophone
spectrophonic
spectrophotoelectric
spectrophotograph
spectrophotography
spectrophotometer
spectrophotometric
spectrophotometrical
spectrophotometrically
spectrophotometry
spectropolarimeter
spectropolariscope
spectropyrheliometer
spectropyrometer
spectroradiometer
spectroradiometric
spectroradiometry
spectroscope
spectroscopes
spectroscopic
spectroscopical
spectroscopically
spectroscopies
spectroscopist
spectroscopists
spectroscopy
spectrotelescope
spectrous
spectrum
spectrums
spectry
spectra
specula
specular
specularity
specularly
speculate
speculated
speculates
speculating
speculation
speculations
speculatist
speculative
speculatively
speculativeness
speculativism
speculator
speculator's
speculators
speculatory
speculatrices
speculatrix
speculist
speculum
speculums
specus
sped
speece
speech
speech's
speechcraft
speaker
speeches
speechful
speechfulness
speechification
spechified
spechifier
speechify
speechifying
speeching
speechless
speechlessly
speechlessness
speechlore
speechmaker
speechmaking
speechment
speechway
speed
speedaway
speedball
speedboat
speedboater
speedboating
speedboatman
speedboats
speeded
speeder
speeders
speedful
speedfully
speedfulness
speedgun
speedier
speediest
speedily
speediness
speeding
speedingly
speedingness
speedings
speedless
speedflight
speedly
speedo
speedometer
speedometers
speeds
speedster
speedup
speedup's
speedups
speedwalk
speedway
speedways
speedwell
speedwells
speedy
speel
speeled
speeling
speelken
speelless
speels
speer
speered
speering
speerings
speerity
speers
speight
speil
speiled
speiling
speils
speir
speired
speiring
speirs
speise
speises
speiskobalt
speiss
speisscobalt
speisses
spekboom
spekt
spelaean
spelaeology
spellbinding
spellbound
spelder
spelding
speldring
speldron
spelean
speleological
speleologist
speleologists
speleology
spelk
spell
spellable
spellbind
spellbinder
spellbinders
spellbinding
spellbinds
spellbound
spellcasting
spellcraft
spelldown
spelldowns
spelled
speller
spellers
spellful
spellican
spelling
spellingdown
spellingly
spellings
spellken
spellmonger
spellproof
spells
spellword
spellwork
spelman
spelt
spelter
spelterman
speltermen
spery
sperket
sperling
sperm
sperma
spermaceti
spermacetilike
spermaduct
spermagonia
spermagonium
spermalist
spermania
spermaphyte
spermaphytic
spermaries
spermarium
spermmary
spermashion
spermata
spermatangium
spermatheca
spermathecae
spermathecal
spermatia
spermatial
spermatic
spermatically
spermatid
spermatiferous
spermatin
spermatiogenous
spermation
spermatiophore
spermatism
spermatist
spermatitis
spermatium
spermatize
spermatoblast
spermatoblastic
spermocele
spermatocidal
spermatocide
spermatocyst
spermatocystic
spermatocystitis
spermatocyte
spermatogemma
spermatogene
spermatogenesis
spermatogenetic
spermatogenic
spermatogenous
spermatogeny
spermatogonia
spermatogonial
spermatogonium
spermatoid
spermatolysis
spermatolytic
spermatophobia
spermatophoral
spermatophore
spermatophorous
spermatophyte
spermatophytic
spermatoplasm
spermatoplastic
spermatoplast
spermatorrhea
spermatorrhoea
spermatospore
spermatotheca
spermatova
spermatovum
spermatoxin
spermatozoa
spermatozoal
spermatozoan
spermatozoic
spermatozoid
spermatozoio
spermatozoon
spermatozza
spermaturia
spermic
spermicidal
spermicide
spermidin
spermidine
spermiducal
spermiduct
spermiGERous
spermin
spermine
spermines
spermiogenesis
spermism
spermist
spermoblast
spermoblastic
spermocarp
spermocenter
spermoderm
spermoduct
spermogenesis
spermogenous
spermogone
spermogonia
spermogoniferous
spermogonium
spermogonnia
spermogonous
spermologer
spermological
spermologist
spermology
spermolysis
spermolytic
spermophile
spermophilene
spermophobia
spermophore
spermophorium
spermophyte
spermophytic
spermosphere
spermotheca
spermotoxin
spermous
spermoviduct
sperms
spermule
spermy
speron
speronara
speronaras
speronares
speronaro
speronaroes
speronaros
sperone
sperple
sperrylite
spere
spessartine
spessartite
spet
spetch
spetches
spete
spetrophoby
spettle
speuchan
spew
spewed
spewer
spewers
spewier
spewiest
spewiness
spewing
spews
spewy
spex
speyeria
sphacel
sphacelariaceous
sphacelate
sphacelated
sphacelating
sphacelation
sphacelia
sphacelial
sphacelism
sphaceloderma
sphacelotoxin
sphacelous
sphacelus
sphaeraphides
sphaerenchyma
sphaeriaceous
sphaeridia
sphaeridial
sphaeridium
sphaeripium
sphaeristeria
sphaeristerium
sphaerite
sphaeroblast
sphaerocobaltite
sphaerococcaceous
sphaerolite
sphaerolitic
sphaerosiderite
sphaerosome
sphaerospore
sphagia
sphagion
sphagnaceous
sphagnicolous
sphagnologist
sphagnology
sphagnous
sphagnum
sphagnums
sphalerite
sphalm
sphalma
sphecid
sphecious
sphecoid
spheges
sphegid
spendone
spene
sphenes
sphenethmoid
sphenethmoidal
sphenic
sphenion
spheniscan
sphensicane
spheniscine
spheniscomorph
spheniscomorphic
sphenobasilar
sphenobasilic
sphenoccephalia
sphenocephalic
sphenoccephalous
sphenoccephaly
sphenodon
sphenodont
sphenoethmoid
sphenoethmoidal
sphenofrontal
sphenogram
sphenographer
sphenographic
sphenographist
sphenography
sphenoid
sphenoidal
sphenoiditis
sphenoids
sphenolith
sphenomalar
sphenomandibular
sphenomaxillary
sphenopalatine
sphenoparietal
sphenopetrosal
sphenophyllaceous
sphenopsid
sphenosquamosal
sphenotemporal
sphenotic
sphenotribe
sphenotripsy
sphenoturbinal
sphenovomerine
sphenozygomatic
spherable
spheradian
spheral
spherality
spheraster
spheration
sphere
sphere's
sphered
sphereless
spherelike
spheres
spheric
spherical
sphericality
spherically
sphericalness
sphericist
sphericities
sphericity
sphericle
sphericocylindrical
sphericotetrahedral
sphericotriangular
spherics
sphincters
sphindid
sphingal
sphinges
sphingid
sphingids
sphingiform
sphingine
sphingoid
sphingometer
sphingomyelin
sphingosin
sphingosine
sphinx
sphinxes
sphinxian
sphinxianness
sphinxine
sphinxlike
phragide
phragistic
phragistics
sphygmia
sphygmic
sphygmochronograph
sphygmodic
sphygmogram
sphygmograph
sphygmographic
sphygmographies
sphygmography
sphygmoid
sphygmology
sphygmomanometer
sphygmomanometers
sphygmomanometric
sphygmomanometrically
sphygmomanometry
sphygmometer
sphygmometric
sphygmophone
sphygmophonic
sphygmoscope
sphygmus
sphygmuses
sphyraena
sphyraenid
sphyraenoid
spics
spicula
spiculae
spicular
spiculate
spiculated
spiculation
spicule
spicules
spiculiferous
spiculiform
spiculigenous
spiculigerous
spiculofiber
spiculose
spiculous
spiculum
spiculumamoris
spicy
spider
spider's
spidered
spiderflower
spiderhunter
spiderier
spideriest
spiderish
spiderless
spiderlet
spiderlike
spiderling
spiderly
spiderman
spidermonkey
spiders
spiderweb
spiderwebbed
spiderwebbing
spiderwork
spiderwort
spidery
spidger
spied
spiegel
spiegeld
spiegeleisen
spiegels
spiel
spield
spieler
spielers
spieling
spiels
spier
spiered
spiering
spiers
spies
spif
spiff
spiffed
spiffier
spiffiest
spiffily
spiffiness
spiffing
spifficate
spifficated
spifflication
spiffy
spiflicate
spiflicated
spiflication
spig
spiggoty
spignel
spignet
spignut
spigot
spigots
spik
spike
spikebill
spiked
spikedace
spikedaces
spikedness
spikefish
spikefishes
spikehole
spikehorn
spikelet
spikelets
spikelike
spikenard
spiker
spikers
spikes
spiketail
spiketop
spikeweed
spikewise
spikier
spikiest
spikily
spikiness
spiking
spiks
spiky
spile
spiled
spilehole
spiler
spiles
spileworm
spilikin
spilikins
spiling
spilings
spilite
spilitic
spill
spillable
spillage
spillages
spillbox
spilled
spinner
spillers
spillet
spillikin
spillikins
spilling
spillover
spillpipe
spillproof
spills
spillway
spillways
spilly
spiloma
spilomas
spilosite
spilt
spilth
spilths
spilus
spin
spina
spinacene
spinaceous
spinach
spinaches
spinachlike
spinae
spinage
spinages
spinal
spinates
spinally
spinals
spinate
spincaster
spinder
spindlage
spindle
spindleage
spindled
spindleful
spindlehead
spindlelegs
spindletlike
spindler
spindlers
spindles
spindleshank
spindleshanks
spindletail
spindleswise
spindlewood
spindlemworm
spindlier
spindliest
spindliness
spindling
spindly
spindrift
spine
spinebill
spinebone
spined
spinefinned
spinel
spineless
spinelessly
spinelessness
spinelet
spinelike
spinelle
spinelles
spinets
spines
spinescence
spinescent
spinet
spinetail
spinets
spingel
spinibulbar
spinicarpous
spinicerebellar
spinidentate
spinier
spiniest
spiniferous
spinifex
spinifexes
spiniform
spinifugal
spinigerous
spinigrade
spininess
spinipetal
spinitis
spinituberculate
spink
spinless
spinnability
spinnable
spinnaker
spinnakers
spinnel
spinner
spinner's
spinneret
spinnerette
spinneries
spinners
spinnerular
spinnerule
spinnery
spinney
spinneys
spinnies
spinning
spinningly
spinnings
spinny
spinobulbar
spinocarpous
spinocerebellar
spinodal
spinode
spinoff
spinoffs
spinogalvanization
spinoglenoid
spinoid
spinomuscular
spinoneural
spinoperipheral
spinor
spinors
spinose
spinosely
spinoseness
spinosity
spinosodentate
spinosodenticulate
spinosotubercular
spinosotuberculate
spinosympathetic
spinotectal
spinothalamic
spinotuberculous
spinous
spinousness
spinout
spinouts
spinozism
spinozist
spinproof
spins
spinster
spinsterdom
spinsterhood
spinsterial
spinsterish
spinsterishly
spinisterism
spinisterlike
spinisterly
spinisters
spinistership
spinstress
spinstry
spintext
spinthariscoscope
spinthariscopicspintherism
spintry
spinturnix
spinula
spinulae
spinulate
spinulated
spinulation
spinule
spinules
spinulescent
spinuliferous
spinuliform
spinulose
spinulosely
spinulosociliate
spinulosodentate
spinulosodenticulate
spinulosogranulate
spinulososerrate
spinulous
spiny
spionid
spira
spirable
spiracle
spiracles
spiracula
spiracular
spiraculate
spiraculiferous
spiraculiform
spiraculum
spirae
spiraea
spiraeas
spirewise
spiricle
spirifer
spiriferid
spiriferoid
spiriferous
spiriform
spirignath
spirignathous
spirilla
spirillaceous
spirillar
spirillolysis
spirillosis
spirillotropic
spirillotropism
spirillum
spiring
spirit
spiritual
spiritally
spiritdom
spirited
spiritedly
spiritedness
spiriter
spiritful
spiritfully
spiritfulness
spirithood
spiriting
spiritism
spiritist
spiritistic
spiritize
spiritlamp
spiritland
spiritleaf
spiritless
spiritlessly
spiritlessness
spiritlevel
spiritlike
spiritmonger
spiritoso
spiritoso
spiritous
spiritrompe
spirits
spiritsome
spiritual
spiritualisation
spiritualise
spiritualiser
spiritualism
spiritualist
spiritualistic
spiritualistically
spiritualists
spiritualities
spirituality
spiritualization
spiritualize
spiritualized
spiritualizer
spiritualizes
spiritualizing
spiritually
spiritualness
spiritals
spiritualship
spiritualties
spiritalty
spirituel
spirituelle
spirituosity
spirituous
spirituously
spirituousness
spiritus
spiritweed
spirity
spirivalve
spirket
spirketing
spirketting
spirlie
spirling
spiro
spirobranchiate
spirochaeta
spirochaetae
spirochaetal
spirochaete
spirochaetosis
spirochaetotic
spirochetal
spirochete
spirochetemia
spirochetes
spirochetic
spirocheticidal
spirocheticide
spirochetosis
spirochetotic
spirogram
spirograph
spirographic
spirographidin
spirographin
spirography
spirogyra
spiroid
spiroidal
spiroidic
spirol
spirole
spiroloculine
spirometer
spirometric
spirometrical
spirometry
spironolactone
spiropentane
spiroscope
spiros
spirit
spirited
spirting
spirite
spirits
spirula
spirulae
spirulas
spirulate
spiry
spise
spiss
spissated
spissatus
spissitude
spissus
spissy
spit
spital
spitz
spitzenberg
spitzenburg
spitzer
spitzes
spitzflute
spitzkop
spiv
spivery
spivs
spivving
spivvy
spizzerinctum
spl
splachnaceous
splachnoid
splacknuck
splad
splairge
splake
splakes
splanchnapophysial
splanchnapophysis
splanchnectopia
splanchnemphraxis
splanchnesthesia
splanchnesthetic
splanchnic
splanchnicectomies
splanchnicectomy
splanchnoblast
splanchnocoele
splanchnoderm
splanchnodiastasis
splanchnodynia
splanchnographer
splanchnographical
splanchnography
splanchnolith
splanchnologic
splanchnological
splanchnologist
splanchnology
splanchnomegalia
splanchnomegaly
splanchnopathy
splanchnopleural
splanchnopleure
splanchnopleuric
splanchnoptosia
splanchnoptosis
splanchnosclerosis
splanchnoscopy
splanchnoskeletal
splanchnoskeleton
splanchnosomatic
splanchnosomical
splanchnotomy
splanchnotribe
splash
splashback
splashboard
splashdown
splashdowns
splashed
splasher
splashers
splashes
splashier
splashiest
splashily
splashiness
splashing
splashingly
splashproof
slashes
splashwing
splashy
splat
splash
splasher
splashchery
splashchy
splasher
splashering
splats
splatter
splatterdash
splatterdock
splattered
splatterer
splatterfaced
splattering
splatters
splatterwork
splay
splayed
splayer
splayfeet
splayfoot
splayfooted
splaying
splaymouth
splaymouthed
splaymouths
splays
spleen
spleened
spleenful
spleenfully
spleenier
spleeniest
spleening
spleenish
spleenishly
spleenishness
spleenless
spleens
spleenwort
spleeny
sleet
sleetnew
splenadenoma
splenalgia
splenalgic
splenalgy
splenative
splenatrophia
splenatrophy
splenauxe
splenciuli
splenculus
splendaceous
splendacious
splendaciously
splendaciousness
splendaciousness
splendent
splendently
splender
splendescent
splendid
splendidier
splendidest
splendidious
splendidly
splendidness
splendiferous
splendiferously
splendiferousness
splendor
splendorous
splendorously
splendorousness
splendorproof
splendors
splendour
splendourproof
splendrous
splendrously
splendrousness
splenectomy
splenectoma
splenectasis
splenectomies
splenectomist
splenectomy
splenectomy
splenectomy
splenectomy
splenectomize
splenectomized
splenectomizing
splenectomy
splenectomy
splenectopia
splenectomy
splenelcosis
splenemia
splenemphraxis
spleneolus
splenepatitis
splenetic
splenetical
splenetically
splenetive
splenia
splenial
splenic
splenical
splenicterus
splenification
spleniform
splenii
spleninii
spleniti
splenis
splenitises
splenitive
splenium
splenius
splenization
splenoblast
splenocele
splenoceratosis
splenocleisis
splenocolic
splenocyte
splenodiagnosis
splenodynia
splenography
splenohemia
splenoid
splenolaparotomy
splenology
splenolymph
splenolymphatic
splenolysin
splenolysis
splenoma
splenomalacia
splenomedullary
splenomegala
splenomegalic
splenomegaly
splenomyelogenous
splenoncus
splenonephric
splenopancreatic
splenoparectama
splenoparectasis
splenopathy
splenopexia
splenopexis
splenopexy
splenophrenic
splenopneumonia
splenoptosia
splenoptosis
splenorrhagia
splenorrhaphy
splenotomy
splenotoxin
splenotypoid
splent
splents
splenulus
splenunculus
splet
spleuchan
tspleughan
splice
spliceable
spliced
splicer
splicers
splices
splicing
splinder
spline
spline's
splined
splines
splineway
splining
splint
splintage
splintbone
splinted
splinter
splinterd
splintered
splintering
splinterize
splinterless
splinternew
splinterproof
splinters
splintery
splinting
splints
splintwood
splinty
split
split's
splitbeak
spite
splitfinger
splitfruit
splitmouth
splitnew
splitnut
splits
splitsaw
splittable
splittail
splitted
splitten
splitter
splitter's
splitterman
splitters
splitting
splittings
splitworm
splodge
splodgy
sploit
splore
splores
splosh
sploshed
sploshes
sploshing
sploshy
splothy
sploth
splothed
splothes
splochter
splochiest
splochily
splochiness
sploctching
splocthy
splother
splunge
splunt
splurge
splurged
splurges
splurgier
splurgiest
splurgily
splurgling
splurgy
splurt
spluther
splutter
spluttered
splutterer
spluttering
splutters
spluttery
spninx
spninxes
spoch
spode
spodes
spodiosite
spodium
spodogenic
spodogenous
spodomancy
spodomantic
spodumene
spoffish
spoffle
spoffy
spogel
spoil
spoilable
spoilage
spoilages
spolate
spoliated
spolation
spoilbank
spoiled
spoilers
spolfive
spoilful
spoilings
spoilless
spoilment
spoils
spoilsman
spoilsmen
spoilsmonger
spoilsport
spoilsports
spoilt
spokane
spoke
spoked
spokeless
spoken
spokes
spokeshave
spokesman
spokesmanship
spokesmen
spokesperson
spokester
spokeswoman
spokeswomanship
spokeswomen
spokewise
spoking
spoky
spole
spolia
spoliaria
spoliarium
spoliary
spolate
spoliated
spoliates
spoliating
spoliation
spoliative
spoliator
spoliators
spoliatory
spolium
spondaic
spondaical
spondaics
spondaize
spondean
spondee
spondees
spondiac
spondil
spondulicks
spondulics
spondulix
spondyl
spondylalgia
spondylarthritis
spondylarthrocace
spondyle
spondylexarthrosis
spondylic
spondylid
spondylloid
spondylitic
spondylitis
spongily
spongin
sponginblast
sponginblastic
spongingness
sponging
spongingly
spongins
spongioblast
spongioblastic
spongioblastoma
spongiocyte
spongiole
spongiolin
spongiopilin
spongiopiline
spongioplasm
spongioplasmic
spongiose
spongiosity
spongiuous
spongiousness
spongiozoon
spongloblast
spongloblastic
spongocoel
spongodid
spongology
spongophore
spongy
sponsal
sponsalia
sponsibility
sponsible
sponsing
sponsion
sponsional
sponsions
sponson
sponsons
sponsor
sponsored
sponsorial
sponsoring
sponsoring
sponsors
sponsorship
sponsorships
sponspeck
spontaneities
spontaneity
spontaneous
spontaneously
spontaneousness
sponton
spontoon
spontoons
spoofof
spooled
spooler
spoolers
spoolful
spooling
spoollike
spools
spoolwood
spoon
spoon
spoonback
spoonbait
spoonbill
spoonbills
spoonbread
spoondrift
spooned
spooner
spoonerism
spoonerisms
spooney
spooneyism
spooneyly
spooneyness
spoeys
spoonflower
spoonful
spoonfuls
spoonholder
spoonhutch
spoonier
spoonies
spooniest
spoonily
spooniness
spooning
spoonism
spoonless
spoonlike
spoonmaker
spoonmaking
spoons
spoonsful
spoonways
spoonwise
spoonwood
spoonwort
spoony
spoonyism
spoor
spooered
spoorer
spoorer
spoorer
spooring
spoor
spoores
spoot
spor
sporabola
sporaceous
sporades
sporadial
sporadic
sporadical
sporadically
sporadicalness
sporadicity
sporadicness
sporadin
sporadism
sporadosiderite
sporal
sporang
sporangia
sporangial
sporangidium
sporangiferous
sporangiform
sporanginia
sporangioid
sporangiola
sporangiole
sporangiolum
sporangiophore
sporangiospore
sporangite
sporangium
sporation
spore
spore’s
spored
sporeformer
sporeforming
sporeling
spores
sporicidal
sporicide
sporid
sporidae
sporidial
sporidiferous
sporidiferous
sporidiole
sporidiolum
sporidium
sporiferous
sporification
sporing
sporiparity
sporiparous
sporoblast
sporocarp
sporocarpia
sporocarpium
sporocyst
sporocystic
sporocystid
sporocyte
sporoderm
sporodochia
sporodochium
sporoduct
sporogen
sporogenesis
sporogenic
sporogenous
sporogeny
sporogone
sporogonia
sporogonial
sporogonic
sporogonium
sporogonous
sporogony
sporoid
sporologist
sporomycosis
sporonia
sporont
sporophore
sporophoric
sporophorous
sporophyldium
sporophyl
sporophyll
sporophyllary
sporophyllum
sporophyte
sporophytic
sporoplasm
sporopollenin
sporosac
sporostegiunm
sporostrote
sporotrichosis
sporotrichotic
sportswear
sportswoman
sportswomanly
sportswomanship
sportswomen
sportswrite
sportswriter
sportswriters
sportswriting
sportula
sportulae
sporty
sporular
sporulate
sporulated
sporulating
sporulation
sporulative
sporule
sporules
sporuliferous
sporuloid
sposh
sposhy
spot
spot's
spotless
spotlessly
spotlessness
spotlight
spotlighter
spotlights
spotlike
spotrump
spots
spotsman
spotsmen
spottable
spottail
spotted
spottedly
spottedness
spottedly
spotter
spotter's
spotters
spottier
spottiest
spottily
spottiness
spotting
spottle
spotty
spotwelder
spoucher
spousage
spousal
spousally
spousals
spouse
spouse's
spoused
spousehood
spouseless
spouses
spousing
spousy
spout
spouted
spouter
spouters
spoutiness
spouting
spoutless
spoutlike
spoutman
spouts
spouty
spp
sprachgefühl
sprachle
sprack
sprackish
sprackle
sprackly
sprackness
sprad
spraddle
sproddled
spraddles
spraddling
sprag
spragged
spragger
spragging
spraggly
sprit
sprite
spritehood
spriteless
sprite-like
sprite-lessness
sprite-ly
sprites
sprite-ish
sprits
spritsail
sprittail
spritted
sprittie
spritting
spritty
spritz
spritzer
sproat
sprocket
sprockets
sprod
sprogue
sproil
sproing
sprose
sprot
sprottle
sproty
sprout
sproutage
sprouted
sprouter
sproutful
sprouting
sproutland
sproutling
sprouts
sprowsy
spruce
spruced
sprucely
spruceness
sprucer
sprucery
spruces
sprucest
sprucier
spruciest
sprucification
sprucify
sprucing
sprucy
sprue
spruer
sprues
sprug
sprugs
spruik
spruiker
spruit
sprung
sprunk
sprunny
sprunt
spruntly
sprusado
sprush
spry
spryer
spryest
spryly
spryness
sprynesses
sps
spt
spud
spudded
spudder
spudders
spudding
spuddle
spuddy
spuds
spue
spued
spues
spuffle
spug
spuggy
spuilyie
spuilzie
spuing
spuke
spulyie
spulyiement
spurgall
spurgalled
spurgalling
spurgalls
spurge
spurges
spurgewort
spuria
spuriae
spuries
spuriosity
spurious
spuriously
spuriousness
spurl
spurless
spurlet
spurlike
spurling
spurluous
spurmaker
spurmoney
spurn
spurned
spurner
spurners
spurning
spurnpoint
spurms
spurnwater
spurproof
spurred
spurreies
spurrer
spurrers
spurrey
spurreys
spurrial
spurrier
spurriers
spurries
spurring
spurrings
spurrite
spurry
spurs
spurt
spurted
spurter
spurtling
spurtive
spurtively
spurtle
spurtleblade
spurtles
spurts
spurway
spurwing
spurwinged
spurwort
sput
sputa
sputative
spute
sputnik
sputniks
sputta
sputter
sputtered
sputterer
sputterers
sputtering
sputteringly
sputters
sputtery
sputum
sputumary
sputumose
sputumous
spy
spyboat
spydom
spyer
spyfault
spyglass
spyglasses
spyhole
spying
spyism
spyproof
spyship
spytower
sq
sqd
sqq
sqrt
squab
squabash
squabasher
squabbed
squabber
squabbier
squabbiest
squabbing
squabbing
squabble
squabbled
squabbler
squabblers
squabbles
squabbling
squabbling
squabblingly
squabbly
squabby
squabs
squacco
squaccos
squad
squad’s
squadded
squadder
squadding
squaddy
squader
squadrate
squadism
squadrol
squadron
squadron’s
squadrone
squadroned
squadroning
squadrons
squads
squail
squailer
squails
squalene
squalenes
squalid
squalider
squalidest
squalidity
squalidly
squalidness
squaliform
squall
squall's
squared
squaller
squallers
squallery
squallier
squalliest
squalling
squallish
squalls
squally
squalm
squalodon
squalodont
squaloid
squalor
squalors
squalus
squam
squama
squamaeous
squamae
squamate
squamated
squamatine
squamation
squamatogranulous
squamatotuberculate
squame
squamella
squamellae
squamellate
squamelliferous
squamelliform
squameous
squamiferous
squamiform
squamify
squamigerous
squamipennate
squamipinnate
squamish
squamocellular
squamoepithelial
squamoid
squamomastoid
squamoparietal
squamopetrosal
squamosa
squamosal
squamose
squamously
squamoseness
squamosis
squamosity
squamosodentated
squamosoinbricated
squamosomaxillary
squamosoparietal
squamosoradiate
squamostemporal
squamosozygomatic
squamosphenoïd
squamosphenoïdal
squamotemporal
squamous
squamously
squamousness
squamozygomatic
squamula
squamulae
squamulate
squamulation
squamule
squamuliform
squamulose
squamy
squander
squandered
squanderer
squanderers
squandering
squanderingly
squandermania
squandermaniac
squanders
quantum
s quarable
square
squareage
squarecap
squared
squaredly
squatinoid
squatly
squatment
squatmore
squatness
squats
squattage
squatted
squatter
squatterarchy
squatterdom
squattered
squatterring
squatterism
squatterproof
squatters
squattest
squattier
squattiest
squattily
squattiness
squatting
squattingly
squattish
squattle
squattocracy
squattocratic
squatty
squatwise
squaw
squawberries
squawberry
squawbush
squawdom
squawfish
squawfishes
squawflower
squawk
squawked
squawker
squawkers
squawkie
squawkier
squawkiest
squawking
squawkingly
squawks
squawky
squeezed
squeezeman
squeezer
squeezers
squeezes
squeezing
squeezingly
squeezzy
squeeg
squegged
squegging
squegs
squelch
squelched
squelcher
squelchers
squelches
squelchier
squelchiest
squelchily
squelchiness
squelching
squelchingly
squelchingness
squelchy
squelette
squench
squencher
squat
squelteague
squeete
squib
squibbed
squibber
squibbery
squibbing
squibbish
squibcrack
squiblet
squibling
squibs
squibster
squid
squidded
squidder
squidding
squiddle
squidge
squidgereen
squidgier
squidgiest
squidgy
squids
squifled
squiffer
squiffier
squiffiest
squiffy
squiggle
squiggled
squiggles
squigglier
squiggliest
squiggling
squiggly
squilgee
squilgeed
squilgeeing
squilgeer
squilgees
squilgeing
squill
squilla
squillae
squillagee
squillageed
squillageeing
squillas
squillery
squillgee
squillgeed
squillgeeing
squillgeer
squillgees
squillgeing
squillian
squillid
squillitic
squilloid
squills
squimmidge
squin
squinacy
squinance
squinancy
squinant
squirely
squireocracy
squires
squireship
squiress
squiret
squirewise
squiring
squirish
squirism
squirk
squirld
squirm
squirmed
squirmer
squirmers
squirmier
squirmiest
squirminess
squirming
squirmingly
squirm
squirm
squirmy
squir
squirrel
squirreled
squirrefish
squirrefishes
squirrelian
squirreline
squirreling
squirrelish
squirrelled
squirrellike
squirrelling
squirrelly
squirrelproof
squirrels
squirrelsstagnate
squirreltail
squirrely
squirt
squirted
squirter
squirters
squirtiness
squirtling
squirting
squirtingly
squirtish
squirts
squirty
squish
squished
squishes
squishier
squishiest
squishiness
squishing
squishy
squiss
squit
squitch
squitchy
squitter
squiz
squoosh
squooshed
squooshes
squooshing
squoze
squishier
squishiest
squishy
squush
squushed
squishes
squushing
squishy
sr
srac
sraddha
sraddhas
sraddha
sraddhas
sravaka
sri
sris
sruti
ss
ssed
ssing
sssort
ssp
ssstor
ssu
st
sta
staab
staastraaad
stab
stabbed
stabber
stabbers
stabbing
stabbingly
stabbingness
stabilate
stabile
stabiles
stabilify
stabiliment
stabilimeter
stabilisation
stabilise
stabilised
stabiliser
stabilising
stabilist
stabilitate
stabilities
stability
stability's
stabilivolt
stabilization
stabilizator
stabilize
stabilized
stabilizer
stabilizers
stabilizes
stabilizing
stable
stableboy
stabled
stableful
stablekeeper
stablelike
stableman
stablemate
stablemeal
stablemen
stablleness
stabler
stablers
stables
stablist
stablistest
stablistest
stablistward
stablistwards
stablings
stabilish
stablished
stablishes
stablishing
stablishment
stably
stahboy
stahproof
stabs
stabulate
stabulation
stabwort
stacc
staccado
staccati
staccato
staccatos
stacher
stachering
stachydrin
stachydrine
stachyose
stachys
stachyuraceous
stack
stack's
stackable
stackage
stacked
stackencloud
stacker
stackering
stackers
stacket
stackfreed
stackful
stackgarth
stackhousiaceous
stacking
stackless
stackman
stackmen
stacks
stackstand
stackup
stackyard
stacte
stactes
stactometer
stad
stadda
staddle
staddles
staddlestone
staddling
stade
stader
stades
stadholder
stadholderate
stadholdership
stadhouse
stadia
stadial
stadias
stadic
stadie
stadimeter
stadiometer
stadium
stadiums
stadle
stadthaus
stadholder
stadholderate
stadholdership
stadthhouse
stafette
staff
staffage
staffed
staffelite
staffer
staffers
staffete
staffier
staffing
stafffish
staffless
staffman
staffmen
stafford
staffs
staffstriker
stag
stag's
stagbush
stage
stageability
stageable
stageableness
stageably
stagecoach
stagecoaches
stagecoaching
stagedraft
staged
stagedom
stagefright
stagehand
stagehands
stagehouse
stageland
stagelike
stageman
stagemen
stager
staggers
stagery
stages
stagese
stagestruck
stagewise
stageworthy
stagewright
stagey
stagflation
staggard
staggards
staggart
staggarth
staggarts
stagged
stagger
staggerbush
stags
stagskin
stagworm
stagy
stagyrite
stahlhelm
stahlian
staia
staid
staider
staidest
staidly
staidness
staig
staigs
stail
stain
stainabilities
stainability
stainable
stainableness
stainably
stained
stainer
stainers
stainful
stainierite
staining
stainless
stainlessly
stainlessness
stainproof
stains
stato
stair
stair's
stairbeak
stairbuilder
stairbuilding
staircase
staircase's
staircases
staired
stairhead
stainless
stairlike
stairs
stairstep
stairway
stairway's
stairways
stairwell
stairwells
stairwise
stairwork
stair
stai
staihe
staihman
staihmens
staiver
stake
staked
stakehead
stakeholder
stakemaster
stakeout
stakeouts
staker
stakerope
stakes
stakhanovite
staking
stalace
stalactic
stalactical
stalactiform
stalactital
stalactite
stalactited
stalactites
stalactitic
stalactitical
stalactitically
stalactitied
stalactitiform
stalactitious
stalag
stalagma
stalagmite
stalagmites
stalagmitic
stalagmitical
stalagmitically
stalagmometer
stalagmometric
stalagmometry
stalags
stalder
stale
staled
stalely
stalemate
stalemated
stalemates
staleming
staleness
staler
stales
stalest
stalin
staling
stalingrad
stalinism
stalinist
stalinists
stalk
stalkable
stalked
stalker
stalkers
stalkier
stalkiest
stalkily
stalkiness
stalking
stalkingly
stalkless
stalklet
stalklike
stalko
stalkoes
stalks
stanky
stall
stallage
stalland
stallar
stallary
stallboard
stallboat
stalled
stalleger
staller
stammer
stammered
stammerer
stammerers
stammering
stammeringly
stammeringness
stammers
stammerwort
stammrel
stamnoi
stamnos
stamp
stampable
stampage
stamped
stampedable
stampede
stampeded
stampeder
stampedes
stampeding
stampedingly
stampedo
stampee
stamper
stampers
stampery
stamphed
stamping
stample
stampless
stampman
stampmen
stamps
stampsman
stampsmen
stampweed
stance
stances
stanch
stanchable
stanched
stanchel
stancheled
stancher
stanchers
stanches
standish
standishes
standoff
standoffish
standoffishly
standoffishness
standoffs
standout
standouts
standpat
standpatism
standpatter
standpattism
standpipe
standpipes
standpoint
standpoint's
standpoints
standpost
stands
standstill
standup
stane
stanechat
staned
stanek
stanes
stanford
stang
stanged
stanging
stangs
stanhope
stanhopes
staniel
stanine
staning
stanitsa
stanitz
stanjen
stank
stankie
stanks
stanley
stannane
stannaries
stannary
stannate
staphylic
staphylane
staphylinic
staphylinid
staphylinideous
staphylion
staphylitis
staphyloangina
staphylococcal
staphylococcemia
staphylococcemic
staphylococci
staphylococcic
staphylococcosci
staphylococcus
staphylodermatitis
staphyloidialysis
staphyloedema
staphylohemia
staphylolysin
staphyloma
staphylomatic
staphylomatous
staphylomycosis
staphyloncus
staphyloplastic
staphyloplasty
staphyloptosia
staphyloptosis
staphyloraphic
staphylorrhaphic
staphylorrhaphies
staphylorrhaphy
staphylorschisis
staphylosis
staphylotome
staphylotomies
staphylotomy
staphylotoxin
staple
stapled
stapler
staplers
staples
staplewise
staplf
stapling
stapple
star
star's
starblind
starbloom
starboard
starbolins
starbowlines
starbright
starch
starchboard
starched
starchedly
starchedness
starcher
starches
starchflower
starchier
starchiest
starchily
starchiness
starching
starchless
starchlike
starchly
starchmaker
starchmaking
starchman
starchmen
starchness
starchroot
starchworks
starchwort
starchy
starcraft
stardom
stardoms
stardust
stardusts
stare
stared
staree
starer
starers
stares
starets
starfish
starfishes
starflower
starfruit
starful
stargaze
stargazed
stargazer
stargazers
stargazes
stargazing
starik
staring
staringly
stark
starken
starker
starkest
starkle
starkly
starkness
starky
starless
starlessly
starlessness
starlet
starlets
starlight
starlighted
starlights
starlike
starling
starlings
starlit
starlite
starlitten
starmonger
starn
starnel
starnie
starnose
starnoses
starny
starost
starosta
starosti
starosty
starquake
starr
starred
starrier
starriest
starrify
starrily
starriness
starring
starringly
starry
stars
starshake
starshine
starship
starshoot
starshot
starstone
starstroke
starstruck
start
started
starter
starters
startful
startfulness
starthroat
starting
startingly
startingno
startish
startle
startled
startler
startlers
startles
startling
startlingly
startlingness
startlish
startlishness
startly
startor
starts
startsly
startup
startup's
startups
starty
starvation
starve
starveacre
statefully
statefulness
statehood
statehouse
statehouses
stateless
statelessness
statelet
statelich
statelier
stateliest
statelily
stateliness
stately
statement
statement's
statements
statemonger
statequake
stater
statera
stateroom
staterooms
staters
states
statesboy
stateship
stateside
statesider
statesman
statesmanese
statesmanlike
statesmanly
statesmanship
statesmen
statesmonger
stateswoman
stateswomen
stateway
statewide
statfarad
stathenries
stathenry
stathenrys
stathenmi
stathenms
static
stactical
statically
statics
states
statistical
statistic
statistician
statisticians
statisticize
statistics
statistology
stats
statives
statize
statoblast
statocracy
statocyst
statohm
statolatry
statolith
statolithic
statometer
stator
staxis
stay
stayable
staybolt
stayed
stayer
stayers
staying
staylace
stayless
staylessness
staymaker
staymaking
staynil
stayover
staypak
stays
staysail
staysails
stayship
stbd
stchi
std
stddmp
steakhouse
stead
steadable
steaded
steadfast
steadfastly
steadfastness
steadied
steadier
steadiers
steadies
steadiest
steadily
steadiment
steadiness
steading
steadings
steadite
steadman
steads
steady
steadying
steadingly
steadily
steasyish
steatoma
steatomas
steatomata
steatomatous
steatopathic
steatopyga
steatopygia
steatopygic
steatopygous
steatopygy
steatorrhea
steatorrhoea
steatoses
steatosis
stebbins
stech
stechados
stechling
steldle
stedfast
stedfastly
stedfastness
stehorses
steeadying
steed
steedless
steedlike
steeds
steek
steeked
steeking
steekkan
steekkannen
steeks
steel
steelbow
steele
steeled
steelen
steeler
steelers
steelhead
steelheads
steelhearted
steelie
steelier
steelies
steeliest
steelification
steelified
steelify
steelifying
steeliness
steeling
steelless
steellike
steelmaker
steelmaking
steelman
steelmen
steelproof
steels
steelware
steelwork
steelworker
steelworking
steelworks
steely
steelyard
steelyards
steem
steen
steenboc
steenbock
steenbok
steenboks
steenbras
steenbrass
steening
steenkirk
steenstrupine
steenth
steep
steepdown
steeped
steepen
steepened
steepening
steepens
steeper
steepers
steepest
steepgrass
steepiness
steeping
steepish
steeple
steeple's
steeplebush
steeplechase
steeplechaser
steeplechases
steeplechasing
steeped
steeplejack
steeplejacks
steepless
steeplike
steeples
steepletop
steeply
steepness
steeps
steepweed
steepwort
steepy
steer
steerability
steerable
steerage
steerages
steerageway
steered
steerer
steerers
steering
steeringly
steerless
steerling
steerman
steermanship
steers
steersman
steersmate
steersmen
steerswoman
steery
steeve
steved
steveley
steever
steeves
steeving
steevings
steg
steganogram
steganographical
steganographist
steganography
steganophthalmate
steganophthalmatous
steganopod
steganopodan
steganopodous
stegh
stegnosis
stegnosisstegnotic
stegnotic
stegocarpous
stegocephalian
stegocephalous
stegodon
stegodont
stegodontine
stegomyia
stegosaur
stegosauri
stegosaurian
stegosauroid
stegosaurus
steid
steigh
stein
steinbock
steinbok
steinboks
steinbuck
steinful
steinkirk
steins
stekan
stela
stelae
stelai
stelar
stele
stelene
steles
stemmed
stemmer
stemmeries
stemmers
stemmery
stemmier
stemmiest
stemming
stemmy
stemonaceous
stempel
stemple
stempost
stems
stemson
stemsons
stemwards
stemware
stemwares
sten
stenar
stench
stench's
stenchel
stanches
stenchful
stenchier
stenchiest
stenching
stenchion
stenchy
stencil
stencil's
stenciled
stenciler
stenciling
stencilize
stencilled
stenciller
stencilling
stencilmaker
stencilmaking
stencils
stend
steng
stengah
stengahs
stenia
stenion
steno
stenobathic
stenobenthic
stenobragnostic
stenobregma
stenocardia
stenocardiac
stenopehalia
stenopehalic
stenopehalous
stenopephaly
stenochoria
stenochoric
stenochrome
stenochromy
stenocoriasis
stenocranial
stenocrotaphia
stenog
stenogastic
stenogastry
stenograph
stenographed
stenographer
stenographer's
stenographers
stenographic
stenographical
stenographically
stenographing
stenographist
stenography
stenohaline
stenometer
stenopaetic
stenopaic
stenopeic
stenopetalous
stenophagous
stenophile
stenophylous
stenorrhyncous
stenos
stenosed
stenosepalous
stenoses
stenosis
stenosphere
stenostomatous
stenostomia
stenotelegraphy
stenotherm
stenothermal
stenothermophilic
stenothermy
stenotherax
stenotic
stenotopic
stenotropic
stenotype
stenotypic
stenotypist
stenotypy
stent
stenter
stenterer
stenting
stentmaster
stenton
stentor
stentoraphonic
stentorian
stentorianly
stentorine
stentorious
stentoriously
stentoriousness
stentoronic
stentorosphonic
stentorophone
stentors
stentrel
step
step's
stepaunt
stepbairn
stepbrother
stepbrotherhood
stepbrothers
stepchild
stepchildren
stepdame
stepdames
steptance
steptance
stepdancing
stepdaughter
stepdaughters
stepdown
stepdowns
stepfather
stepfatherhood
stepfatherly
stepfathers
stepgrandchild
stepgrandfather
stepgrandmother
stepgrandson
stephanie
stephanial
stephanic
stephanion
stephanite
stephanome
stephanos
stephanotis
stephead
stephen
stegladder
stegladders
stepless
steplike
stepminnie
stepmother
stepmother's
stepmotherhood
stepmotherless
stepmotherliness
stepmotherly
stepmothers
stepnephew
stepney
stepniece
stepony
stepparent
stepparents
steppe
stepped
steppeland
stepper
steppers
steppes
stepping
steppingstone
steppingstones
steprelation
steprelationship
steps
stepsire
stepsister
stepsisters
stepson
stepsons
stepstone
stepstool
stept
steptoe
stepuncle
stepup
stepups
stepway
stepwise
ster
steracle
sterad
steradian
stercobilin
stercolin
stercophage
stercophagic
stercophagous
stercoraceous
stercoraemia
stercoral
stercoranism
stercoranist
stercoraries
stercorarious
stercorary
stercorate
stercoration
stercorean
stercoremia
stercoreous
stercoricolous
stercorin
stercorite
stercorol
stercorous
stercoverous
sterculia
sterculiaceous
sterculiad
stere
stereagnosis
stereid
stereominthic
stereominthous
stereominthus
tero
tereo's
stereobate
stereobatic
stereoblastula
stereocamera
stereocampimeter
stereochemic
stereochemical
stereochemically
stereochemistry
stereochromatic
stereochromatically
stereochrome
stereochromatic
stereochromically
stereochromy
stereocomparator
stereogram
stereograph
stereographer
stereographic
stereographical
stereographically
stereography
stereoing
stereoisomer
stereoisomeric
stereoisomerical
stereoisomeride
stereoisomerism
stereological
stereologically
stereology
stereom
stereomatrix
stereome
stereomer
stereomeric
stereomerical
stereomerism
stereometer
stereometric
stereometrical
stereometrically
stereometry
stereomicrometer
stereomicroscope
stereomicroscopic
stereomicroscopically
stereomicroscopy
stereomonoscope
stereoneural
stereopair
stereophantascope
stereophone
stereophonic
stereophonically
stereophony
stereophotogrammetry
stereophotograph
stereophotographic
stereophotography
stereophotomicrograph
stereophotomicrography
stereophysics
stereopicture
stereoplanigraph
stereoplanula
stereoplasm
stereoplasma
stereoplasmic
stereopsis
stereopter
stereoptican
stereoptician
stereopticon
stereoradiograph
stereoradiography
stereoregular
stereoregularity
stereornithic
stereoroentgenogram
stereoroentgenography
stereos
stereoscope
stereoscopes
stereoscopic
stereoscopical
stereoscopically
stereoscopies
stereoscopism
stereoscopist
stereoscopy
stereospecific
stereospecifically
stereospecificity
stereospondylous
stereostatic
stereostatics
stereotactic
stereotactically
stereotape
stereotapes
stereotaxic
stereotaxically
stereotaxis
stereotaxy
stereotelemeter
stereotelescope
stereotomic
stereotomical
stereotomist
stereotomy
stereotropic
stereotropism
stereotypable
stereotype
stereotyped
stereotyper
stereotypers
stereotypery
stereotypes
stereotypic
stereotypical
stereotypically
stereotypies
stereotyping
stereotypist
stereotypographer
stereotypography
stereotypy
stereovision
steres
sterhydraulic
steri
steric
sterical
sterically
sterics
sterid
steride
sterigma
sterigmas
sterigmata
sterigmatic
sterilant
sterile
sterilely
sterileness
sterilisability
sterilisable
sterilise
sterilised
steriliser
sterilising
sterilities
sterility
sterilizability
sterilizable
sterilization
sterilization's
sterilizations
sterilize
sterilized
sterilizer
sterilizers
sterilizes
sterilizing
sterin
sterk
sterlet
sterlets
sterling
sterlingly
sterlingness
sternoscapular
sternothere
sternothyroid
sternotracheal
sternotribe
sternovertebral
sternoxiphoid
sternpost
sterns
sternes
sternson
sternsons
sternum
sternums
sternutaries
sternutate
sternutation
sternutative
sternutator
sternulatory
sternward
sternwards
sternway
sternways
sternwheel
sternwheeler
sternworks
stero
steroid
steroidal
steroidogenesis
steroidogenic
steroids
sterol
sterols
sterrinck
stert
stertor
stertorius
stertoriously
stertoriousness
stertorous
stertorously
stertorousness
stertors
sterve
stet
stetch
stethal
stetharteritis
stethogoniometer
stethograph
stethographic
stethokrytograph
stethometer
stethometric
stethometry
stethoparalysis
stethophone
stethophonometer
stethoscope
stethoscoped
stethoscopes
stethoscopic
stethoscopy
stethoscopic
stethoscopically
stethoscopical
stethoscopically
stethoscopies
stethoscopist
stethoscope
stethospasm
stethy
stets
stetson
stetsons
stetted
stetting
steuben
steve
stevedorage
stevedore
stevedored
stevedores
stevedoring
stevel
steven
stevia
stew
stewable
steward
steward's
stewardship
stewardess
stewardesses
stewardship
stewarding
stewardly
stewardship
stewards
stewardship
stewart
stewartry
stewartly
stewbum
stewbums
stewed
stewhouse
stewing
stewish
stewpan
stewpans
stewpond
stewpot
stews
stewy
stey
steyning
stg
stge
sthene
stenia
sthenias
sthenic
sthenochire
stiacciato
stib
stibble
stibbler
stibblerig
stibethyl
stibial
stibialism
stibiate
stibiated
stibic
stibiconite
stibine
stibines
stibious
stibium
stibiums
stibnite
stibnites
stibonium
stibophen
sticcado
stich
stichado
sticharia
sticharion
stichcharia
stichel
sticheron
stichic
stichically
stichid
stichidia
stichidium
stichocrome
stichoi
stichomancy
stichometric
stichometrical
stichometrically
stichometry
stichomythia
stichomythic
stichomythy
stichos
stichs
stichwort
stick
stickability
stickable
stickadore
stickadove
stickage
stickball
stickboat
sticked
stickel
sticken
sticker
stickers
stickery
sticket
stickfast
stickful
stickfuls
stickhandler
stickier
stickiest
stickily
stickiness
sticking
stickit
stickjaw
sticklac
stickle
stickleaf
stickleback
stickled
stickler
sticklers
stickles
stickless
sticklike
stickling
stickly
stickman
stickmen
stickout
stickouts
stickpin
stickpins
sticks
stickseed
sticksmanship
sticktail
sticktight
stickum
stickums
stickup
stickups
stickwater
stickweed
stickwork
sticky
stickybeak
stictiform
std
stiddy
stied
sties
stife
stiff
stiffed
stiffen
stiffened
stiffener
stiffeners
stiffening
stiffens
stiffer
stiffest
stiffhearted
stiffing
stiffish
stiffleg
stiffler
stifflike
stiffly
stiffneck
stiffneckedly
stiffneckedness
stiffness
stiffrump
stiffs
stifftail
stile
stifled
stifedly
stifler
stiflers
stifes
stifling
stiflingly
stigma
stigmai
stigmal
stigmaria
stigmariae
stigmarian
stigmarioid
stigmas
stigmasterol
stigmat
stigmata
stigmatal
stigmatic
stigmatical
stigmatically
stigmaticalness
stigmatiferous
stigmatiform
stigmatise
stigmatiser
stigmatism
stigmatist
stigmatization
stigmatize
stigmatized
stigmatizer
stigmatizes
stigmatizing
stigmatoid
stigmatose
stigmatypy
stigne
stigmeology
stigmes
stigmonose
stigonomancy
stilb
stilbene
stilbenes
stilbestrol
stilbite
stilbites
stilboestrol
stile
stile's
stileman
stilemen
stiles
stilet
stilette
stiletted
stiletto
stilettoed
stilettoes
stilettoing
stiletto-like
stilettoes
still
stillage
stillatitious
stillatory
stillbirth
stillbirths
stillborn
stilled
stiller
stillery
stillest
stillhouse
stillicide
stillicidium
stillier
stilliest
stilliform
stilling
stillion
stillish
stillman
stillmen
stillness
stillroom
stills
stillstand
stillwater
stilly
stilpnomelane
stilposiderite
stilt
stiltbird
stilted
stiltedly
stiltedness
stilter
stiltier
stiltiest
stiltified
stiltify
stiltifying
stiltiness
stilting
stiltish
stiltlike
stilton
stilts
stilty
stilyaga
stilyagi
stim
stime
stimes
stimied
stimies
stimpart
stimpert
stimulability
stimulable
stimulance
stimulancy
stimulant
stimulant's
stinkard
stinkardly
stinkards
stinkaroo
stinkball
stinkberries
stinkberry
stinkbird
stinkbug
stinkbugs
stinkbush
stinkdamp
stinker
stinkeroo
stinkeroos
stinkers
stinkhorn
stinkibus
stinkier
stinkiest
stinking
stinkingly
stinkingness
stinko
stinkpot
stinkpots
stinks
stinkstone
stinkweed
stinkwood
stinkwort
stinky
stinkyfoot
stint
stinted
stintedly
stintedness
stinter
stinters
stinting
stintingly
stintless
stints
stinty
stion
stionic
stioning
stipate
stipe
stiped
stipel
stipellate
stipels
stipend
stipend's
stipendary
stipendia
stipendial
stipendiarian
stipendiaries
stipendiary
stipendiate
stipendum
stipendiums
stipendiums
stipendless
stipends
stipes
stipiform
stipitate
stipites
stipitiform
stipiture
stipo
stipos
stippen
stipple
stippled
stippledness
stippler
stipplers
stipples
stippling
stipply
stipula
stipulable
stipulaceous
stipulae
stipulant
stipular
stipulary
stipulate
stipulated
stipulates
stipulating
stipulatio
stipulation
stipulations
stipulator
stipulators
stipulatory
stipule
stipuled
stipules
stipuliferous
stipuliform
stir
stirabout
stire
stiria
stirk
stirks
stirless
stirlessly
stirlessness
stirling
stirp
stirpes
stirpicultural
stirpiculture
stirpiculturist
stirps
stirra
stirrable
stirrage
stirred
stirrer
stirrer's
stirriers
stirring
stirringly
stirrings
stirrup
stirrupless
stirruplike
stirrups
stirrupwise
stirs
stitch
stitchbird
stitchdown
stitched
stitcher
stichers
stitchery
stitches
stitching
stitchlike
stitchwhile
stitchwork
stitchwort
stite
stith
stithe
stithied
stithies
stithly
stithy
stithying
stituted
stive
stiver
stivers
stivy
stk
stlg
stm
stoa
stoach
stoae
stoai
stoa
stoat
stoater
stoating
stoats
stob
stobball
stobbed
stobbing
stobs
stocah
stoccado
stoccados
stoccata
stoccatas
stochastic
stochastical
stochastically
stock
stockade
stockade's
stockaded
stockades
stockading
stockado
stockage
stockannet
stockateer
stockbow
stockbreeder
stockbreeding
stockbroker
stockbrokerage
stockbrokers
stockbroking
stockcar
stockcars
stocked
stocker
stockers
stockfather
stockfish
stockfishes
stockholder
stockholder's
stockholders
stockholding
stockholdings
stockholm
stockhorn
stockhouse
stockier
stockiest
stockily
stockiness
stockinet
stockinets
stockinette
stocking
stockinged
stockinger
stockinging
stockingless
stockings
stockish
stockishly
stockishness
stockist
stockists
stockjobber
stockjobbery
stockjobbing
stockjudging
stockkeeper
stockkeeping
stockless
stocklike
stockmaker
stockmaking
stockman
stockmen
stockowner
stockpile
stockpiled
stockpiler
stockpiles
stockpiling
stockpot
stockpots
stockproof
stockrider
stockriding
stockroom
stockrooms
stocks
stockstone
stocktaker
stocktaking
stockwork
stockwright
stocky
stockyard
stockyards
stod
stodge
stodged
stodger
stodgery
stodges
stodgier
stodgiest
stodgily
stodginess
stodging
stodgy
stodtone
stoechas
stoechiology
stoechiometrically
stoechiometry
stoot
stof
stoff
stog
stoga
stogies
stogey
stogeys
stogie
stogies
stogya
stogey
stogey
stogie
stogies
stogy
stooic
stooical
stooically
stooicalness
stooicharion
stooicheiology
stooicheiometrically
stooicheiometry
stooichiological
stooichiology
stooichimetric
stooichimetrically
stooichimetrically
stooichiometry
stooicism
stooicisms
stooics
stoit
stootter
stoke
stoked
stokehold
stokehole
stoker
stokerless
stokers
stokes
stokesia
stokesias
stokesite
staking
stokroos
stokvis
stola
stolae
stolas
stold
stole
stole's
stoled
stolelike
stolen
stolenly
stolenness
stolenwise
stoles
stolewise
stolid
stolider
stolidest
stolidity
stolidly
stolidness
stolist
stolkjaerre
stollen
stollens
stolon
stolonate
stolonic
stoloniferous
stoloniferously
stolonization
stolonlike
stolons
stolzite
stoma
stomacace
stomach
stomachable
stomachache
stomachaches
stomachachy
stomachal
stomached
stomacher
stomachers
stomaches
stomachful
stomachfully
stomachfulness
stomachic
stomachical
stomachically
stomachiness
stomaching
stomachless
stomachlessness
stomachous
stomachs
stomachy
stomack
stomal
stomapod
stomapodiform
stomapodous
stomas
stomata
stomatal
stomatalgia
stomate
stomates
stomatic
stomatiferous
stomatitic
stomatitis
stomatitus
stomatocace
stomatodeaal
stomatodeaum
stomatode
stomatodeum
stomatodynia
stomatogastic
stomatograph
stomatography
stomatolalia
stomatologic
stomatological
stomatologist
stomatology
stomatomalacia
stomatomenia
stomatomy
stomatomycesis
stomatonecrosis
stomatopathy
stomatophorous
stomatoplactic
stomatoplasty
stomatopod
stomatopodous
stomatorrhagia
stomatoscope
stomatoscopy
stomatose
stomatosepsis
stomatotomies
stomatotomy
stomatotyphus
stomatous
stomenorrhagia
stomion
stomium
stomodae
stomodeal
stomodaeal
stomodaeaea
stomodaeum
stomodaeums
stomode
stomodea
stomodeal
stomodeum
stomodeumea
stomodeums
stomoxys
stomp
stomped
stomper
stompers
stomping
stompingly
stomps
stonable
stonage
stond
stone
stoneable
stonebass
stonebird
stonebiter
stoneblindness
stoneboat
stonebow
stonebrash
stonebreak
stonebrood
stonecast
stonecat
stonechat
stonecraft
stonecrop
stonecutter
stonecutting
stoned
stonedamp
stonefish
stonefishes
stoneflies
stonefly
stonegale
stonegall
stoneground
stonehand
stonehatch
stonehead
stonehearted
stonehenge
stoneite
stonelayer
stonelaying
stoneless
stonelessness
stonelike
stoneman
stonemason
stonemasonry
stonemasons
stonemen
stonemint
stonen
stonepecker
stoneput
stoner
stoneroller
stoneroot
stoners
stones
stoneseed
stonesfield
stoneshot
stonesmatch
stonesmich
stonesmith
stonewall
stonewalled
stoss
stosston
stot
stoter
stoting
stotinka
stotinki
stotious
stott
stotter
stotterel
stoun
stound
stounded
stounding
stoundmeal
stounds
stoup
stoupful
stoups
stour
stoure
stoures
stourie
stouring
stourliness
stourly
stourness
stours
stoury
stoush
stout
stouten
stoutened
stoutening
stoutens
stouter
stoutest
stouth
stouthhearted
stouthheartedly
stouthheartedness
stouthrief
stoutish
stoutly
stoutness
stouts
stoutwood
stramash
stramashes
stramazon
stramineous
stramineously
strammel
strammer
stramonies
stramonium
stramony
stramp
strand
strandage
stranded
strandedness
strander
stranders
stranding
strandless
strandline
strandlooper
strands
strandward
strang
strange
strangeling
strangely
strangeness
stranger
strangerdom
strangered
strangerhood
strangering
strangerrlike
strangers
strangership
strangerrwise
strangest
strangle
strangleable
strangled
stranglehold
stranglement
strangler
stranglers
strangles
strangletare
strangleweed
streel
streeler
streen
streep
street
streetage
streetcar
streetcar's
streetcars
streeters
streetfighter
streetful
streetless
streetlet
streetlight
streetlike
streets
streetscape
streetside
streetwalker
streetwalkers
streetwalking
streetward
streetway
streetwise
streit
streite
streke
strelitz
strelitzi
strelitzia
streltzi
stremma
stremmas
stremmatograph
streng
strengite
strength
strengthed
strengthen
strengthened
strengthened
strengthened
strengthened
strengtheners
strengthening
strengtheningly
strengthenens
strengthful
strengthfulness
strengthily
strengthless
strengthlessly
strengthlessness
strengths
strengthy
strent
strength
strenuity
strenuosity
strenuous
strenuously
strenuousness
strep
strepenn
strepent
strepera
streperous
strephonade
strephosymbolia
streptant
strepitant
strepitation
strepitoso
strepitous
strepit
strep
strepis
ceros
strepsinema
strepsipteral
strepsipteran
strepsipieron
strepsipterous
streps
strepsitene
streptaster
streptobacillli
streptobacillus
streptococcal
streptococci
streptococcic
streptococccoci
streptococcus
streptodornase
streptokinase
streptolysin
streptomyces
streptomyccete
streptomycetes
streptomycin
streptoneural
streptoneurous
streptosepticemia
streptothricial
streptothricin
streptothricosis
streptotrichal
streptotrichosis
stress
stressed
stresser
stresses
stressful
stressfully
stressfulness
stressing
stressless
stresslessness
stressor
stressors
stret
stretch
stretchability
stretchable
stretchberry
stretched
stretcher
stretcherman
stretchers
stretches
stretchier
stretchiest
stretchiness
stretching
stretchneck
stretchpants
stretchproof
stretchy
stretman
stretmen
stretta
strettas
strette
stretti
stretto
strettos
strictum
crire
stricktured
strictures
strid
stridden
striddle
stride
strideleg
stridelegs
stridence
stridency
strident
stridently
strider
striders
strides
strideways
stridhan
stridhana
stridhanum
striding
stridingly
stridling
stridlings
stridor
stridors
stridulant
stridulate
stridulated
stridulating
stridulation
stridulator
stridulatory
stridulent
stridulous
stridulously
stridulousness
strife
strifeful
strifeless
strifemaker
strifemaking
strifemonger
strifeproof
strifes
striffen
strift
strig
striga
strigae
strigal
strigate
striges
striggle
stright
strigiform
strigil
strigilate
strigilation
strigilator
strigiles
strigilis
strigillose
strigilous
strigils
strigine
strigose
strigous
strigovite
strigulose
strike
strikeboard
strikeboat
strikebound
strikebreak
strikebreaker
strikebreakers
strikebreaking
striked
strikeless
striken
strikeout
strikeouts
strikeover
striker
strike
strikers
strikes
striking
strikingly
strikingness
strind
string
string's
stringboard
stringcourse
strobila
strobilaceous
strobilae
strobilar
strobilate
strobilation
strobile
strobiles
strobili
strobiliferous
strobiliform
strobiline
strobilization
strobiloid
strobils
strobilus
stroboid
stroboradiograph
stroboscope
stroboscopes
stroboscopic
stroboscopy
strochoscopy
strobtrot
stroble
strode
stroganoff
stroil
stroke
stroked
stroker
stokers
strokes
strokesman
strokings
stroky
strold
stroll
strolld
strolled
stroller
strollers
strolling
strolls
strom
stroma
stromal
stromata
stromatal
stromateid
stromateoid
stromatic
stromatiform
stromatolite
stromatolitic
stromatology
stromatoporoid
stromatous
stromb
strombiform
strombite
stromboid
strombolian
strombuliferous
strombuliform
strombus
strom
dstromed
stromeyerite
stroming
stromming
stromuhr
strond
strone
strong
strongarmer
strongback
strongbark
strongbox
strongboxes
strongbrained
stronger
strongest
strongfully
stronghand
stronghanded
stronghead
strongheaded
strongheadedly
strongheadedness
strongheadness
stronghearted
stronghold
strongholds
strongish
stronglike
strongly
strongman
strongmen
strongness
strongpoint
strongroom
strongrooms
strongyl
strongylate
strongyle
strongyliasis
strongylid
strongylidosis
strongyloid
strongyloidosis
strongylon
strongylosis
strongylys
strontia
strontian
strontianiferous
strontianite
strontias
strontic
strontion
strontitic
strontium
strook
strooken
stroot
strop
strophaic
strophanhin
strophanthin
strophanthus
strophe
strophes
strophic
strophical
strophically
strophiolate
strophiolated
strophiole
strophoid
strophomenid
strophomenoid
structuralization
structuralize
structurally
structuration
structure
structured
structureless
structurelessness
structurally
structurer
structures
structuring
structurist
strude
strudel
strudels
strue
struggle
struggled
struggler
strugglers
struggles
struggling
strugglingly
struis
struissle
struldbrug
strum
struma
strumae
strumas
strumatic
strumaticness
strumectomy
strumiferous
strumiform
strumiprivic
strumiprivous
strumitis
strummed
strummer
strummers
strumming
strumose
strumous
strumousness
strumpet
strumpetlike
strumpetry
strumpets
strums
strumstrum
strumulose
strung
strunt
strunted
strunting
strunts
struse
strut
struth
struthian
struthiform
struthiiform
struthin
struthiod
struthiomimus
struthioniform
struthionine
struthious
struthonine
struts
strutted
strutter
strutters
strutting
struttingly
struv
struvite
strych
strychnia
strychnic
strychnin
strychnina
strychnine
strychninic
strychninism
strychninization
strychninize
strychnize
strychnol
strychnos
strype
stuart
stub
stuck
stucken
stucking
stuckling
sturelessness
stud
stud's
studbook
studbooks
studded
studder
studdery
studdie
studdies
studding
studdings
studdingsail
studdle
studdy
stude
student
student's
studenthood
studentless
studentlike
studentry
students
studentship
studerite
studfish
studfishes
studflower
studhorse
studhorses
studia
studiable
studied
studiedly
studiedness
studier
studiers
studies
studio
studio's
studios
studious
studiously
studiousness
studium
studs
studwork
studworks
study
study's
studying
studs
stue
stuff
stuffage
stuffata
stuffed
stuffender
stuffer
stuffers
stuffgownsman
stuffier
stuffiest
stuffily
stuffiness
stuffing
stuffings
stuffless
stuffs
stuffy
stug
stuggy
stuiver
stuivers
stull
stuller
stulls
stulm
stultification
stultified
stultifier
stultifies
stultify
stultifying
stultiloquence
stultiloquently
stultiloquious
stultiloquy
stultioquy
stultiloquent
stulty
stum
stumble
stumblebum
stumblebunny
stumbled
stumbler
stumblers
stumbles
stumbling
stumblingly
stumbly
stumer
stumped
stummel
stummer
stumming
stummy
stumor
stumour
stump
stumpage
stumpages
stumped
stumper
stumpers
stumpier
stumpiest
stumpily
stumpiness
stumping
stumpish
stumpknocker
stumpless
stumplike
stumpling
stumpnose
stumps
stumpsucker
stumpwise
stumpy
stums
stun
stundist
stung
stunk
stunkard
stunned
stunner
stunners
stupidest
stupidhead
stupidheaded
stupidish
stupidities
stupidity
stupidly
stupidness
stupids
stuping
stupor
stuporific
stuporose
stuporous
stupors
stupose
stupp
stuprate
stuprated
stuprating
stupration
stuprum
stupulose
sturble
sturdied
sturdier
sturdiest
sturdiest
sturdiersturdies
sturdiest
sturdily
sturdiness
sturdy
sturdyhearted
sturgeon
sturgeons
sturin
sturine
sturionian
sturionine
sturk
sturniform
sturnine
sturnoid
sturoch
sturshum
sturt
sturtan
sturte
sturtin
stylohyal
stylohyoid
stylohyoidean
stylohyoideus
styloid
stylolite
stylolitic
stylomandibular
stylomastoid
stylomaxillary
stylometer
stylommatophorous
stylomyloid
stylopharyngeal
stylopharyngeus
stylopid
stylopization
stylopize
stylopized
stylopod
stylopodia
stylopodium
stylops
stylospore
stylosporous
stylostegium
stylostenon
stylostixis
stylotyphite
stylus
styluses
stymie
stymied
stymieing
stymes
stymphalian
stymy
stymying
stynphonate
stynphnic
stypsis
stypsises
stypsic
styptical
stypticalness
stypthic
styp ticity
styp ticness
stypics
styraceous
styracin
styrax
styraxes
styrene
styrenes
styrian
styrofoam
styrogallol
styrol
styrolene
styrone
styril
styrlyc
stythe
styard
styx
su
suability
suable
suably
suade
suaharo
suant
suantly
suasibility
suasible
suasion
suasionist
suasions
suasive
suasively
suasiveness
suasoria
suasory
suavastika
suave
suavely
suaveness
suaveolent
suaveolent
suaver
suavest
suavify
suaviloquence
suaviloquent
suavities
suavity
sub
suba
subabbot
subabbots
subabdominal
subabilities
subability
subabsolute
subabsolutely
subabsoluteness
subacademic
subacademical
subacademically
subaccount
subacetabular
subacetate
subacid
subacidity
subacidly
subacidness
subacidulous
subacrid
subacridity
subacridly
subacridness
subacrodrome
subacrodromous
subacromial
subact
subaction
subacuminate
subacumination
subacute
subacutely
subadar
subadars
subadditive
subadditively
subadjacent
subadjacently
subadjutor
subadministrate
subadministrated
subadministrating
subadministration
subadministrative
subadministratively
subadministrator
subadulthood
subadults
subadultness
subaduncate
subadvocate
subaerate
subaerated
subaerating
subaeration
subaerial
subaerially
subaetheric
subaffluence
subaffluent
subaffluently
subage
subagencies
subagency
subagent
subagents
subaggregate
subaggregately
subaggregation
subaggregative
subah
subahdar
subahdars
subahdary
subahs
subahship
subaid
subalar
subalary
subalate
subalated
subalbid
subalgebra
subalgebraic
subalgebraical
subalgebraically
subalgebraist
subalimentation
subalkaline
suballiance
suballiances
suballocate
suballocated
suballocating
subalmoner
subalpine
subaltern
subalternant
subalternate
subalternately
subalternating
subalternation
subalternity
subalterns
subamare
subanal
subanconeal
subandean
subangled
subangular
subangularities
subangularity
subangularly
subangularness
subangulate
subangulated
subangulately
subangulation
subanniversary
subantarctic
subantichrist
subantique
subantiquely
subantiqueness
subantiquities
subantiquity
subapical
subapically
subaponeurotic
subapostolic
subapparent
subapparently
subapparentness
subappearance
subappressed
subapprobativeness
subapprobation
subapprobative
subapprobative
subapprobative
subapprobative
subapprobatory
subapterous
subaqua
subaqual
subaquatic
subaquean
subaqueous
subarachnoid
subarachnoidal
subarachnoidean
subarboraceous
subarboreal
subarboreous
subarborescence
subarborescent
subarch
subarchesporial
subarchitect
subarctic
subarcuate
subarcuated
subarcuation
subarea
subareal
subareas
subareolar
subareolet
subarid
subarmale
subarmor
subarousal
subarouse
subarration
subarrhation
subartesian
subarticle
subarticulate
subarticulately
subarticulateness
subarticulation
subarticulative
subarytenoid
subarytenoidal
subas
subascending
subashi
subassemblage
subassembler
subassemblies
subassembly
subassociation
subbase
subbasement
subbasements
subbases
subbass
subbassa
subbasses
subbeadle
subbeau
subbed
subbias
subbifid
subbing
subbings
subbituminous
subbookkeeper
subboreal
subbordon
subbrachial
subbrachian
subbrachiate
subbrachycephalic
subbrachycephaly
subbrachyskelic
subbranch
subbranched
subbranches
subbranchial
subbreed
subbreeds
subbrigade
subbrigadier
subbroker
subbromid
subbromide
subbronchial
subbronchialy
subbureau
subbureaus
subbureaux
subcabinet
subcaecal
subcalcareous
subcalcarine
subcaliber
subcalibre
subcallosal
subcampanulate
subcancellate
subcancellous
subcandid
subcandidly
subcandidness
subcantor
subcapsular
subcaptain
subcaptaincy
subcaptainship
subcaption
subcarbide
subcarbonaceous
subcarbonate
subcarbureted
subcarburetted
subcardinal
subcardinally
subcarinate
subcarinated
subcartilaginous
subcase
subcash
subcashier
subcasing
subcasino
subcasinos
subcast
subcaste
subcategories
subcategory
subcaudal
subcaudate
subcaulescent
subcause
subcauses
subcavate
subcavities
subcavity
subcelestial
subcell
subcellar
subcellars
subcells
subcellular
subcenter
subcentral
subcentrally
<table>
<thead>
<tr>
<th>subcentre</th>
<th>subception</th>
</tr>
</thead>
<tbody>
<tr>
<td>subcerebellar</td>
<td>subcerebral</td>
</tr>
<tr>
<td>subch</td>
<td>subchairman</td>
</tr>
<tr>
<td>subchairs</td>
<td>subchairmen</td>
</tr>
<tr>
<td>subchamerer</td>
<td>subchancel</td>
</tr>
<tr>
<td>subchannel</td>
<td>subchannels</td>
</tr>
<tr>
<td>subchanter</td>
<td>subchapter</td>
</tr>
<tr>
<td>subchapters</td>
<td>subchaser</td>
</tr>
<tr>
<td>subchela</td>
<td>subchelae</td>
</tr>
<tr>
<td>subchelate</td>
<td>subcheliform</td>
</tr>
<tr>
<td>subchief</td>
<td>subchiefes</td>
</tr>
<tr>
<td>subchiefs</td>
<td>subchloride</td>
</tr>
<tr>
<td>subchondral</td>
<td>subchordal</td>
</tr>
<tr>
<td>subchorioid</td>
<td>subchorioidal</td>
</tr>
<tr>
<td>subchorionic</td>
<td>subchoroidal</td>
</tr>
<tr>
<td>subchoroidal</td>
<td>subchronic</td>
</tr>
<tr>
<td>subchronically</td>
<td>subchronical</td>
</tr>
<tr>
<td>subcincttoria</td>
<td>subcincttoria</td>
</tr>
<tr>
<td>subcineritious</td>
<td>subcingulum</td>
</tr>
<tr>
<td>subcircuit</td>
<td>subcircular</td>
</tr>
<tr>
<td>subcircularity</td>
<td>subcircularly</td>
</tr>
<tr>
<td>subcision</td>
<td>subcities</td>
</tr>
<tr>
<td>subcity</td>
<td>subcivilization</td>
</tr>
<tr>
<td>subcivilizations</td>
<td>subcivilized</td>
</tr>
<tr>
<td>subclaim</td>
<td></td>
</tr>
</tbody>
</table>
subclan
subclans
subclass
subclass’s
subclassed
subclasses
subclassification
subclassifications
subclassified
subclassifies
subclassify
subclassifying
subcassing
subclausal
subclause
subclauses
subclavate
subclavia
subclavian
subclavicular
subclavii
subclavioaxillary
subclaviojugular
subclavius
subclei
subclerk
subclerks
subclerkship
subclimactic
subclimate
subclimatic
subclimax
subclinical
subclinically
subclique
subclone
subclover
subcoastal
subcoat
subcollateral
subcollector
subcollectorship
subcollege
subcollegial
subcollegiate
subcolumnar
subcommander
subcommanders
subconcessioner
subconchoidal
subconference
subconferential
subconformability
subconformable
subconformableness
subconformably
subconic
subconical
subconically
subconjunctival
subconjunctive
subconjunctively
subconnate
subconnexion
subconnect
subconnectedly
subconnivent
subconnivence
subconscious
subconsciously
subconsciousness
subconscience
subconservator
subconsideration
subconstable
subconstellation
subconsult
subconsular
subconsulship
subcontained
subcontest
sub contiguous
subcontinent
subcontinental
subcontinents
subcontinual
subcontinued
subcontinuous
subcontract
subcontracted
subcontracting
subcontractor
subcontractors
subcontracts
subcontraoctave
subcontraries
subcontrariety
subcontrarily
subcontrary
subcontrol
subcontrolled
subcontrolling
subconvex
subconvolute
subconvolutely
subcool
subcooled
subcooling
subcools
subcoracoid
subcordate
subcordately
subcordiform
subcoriaceous
subcorneous
subcornual
subcorporation
subcortex
subcortical
subcortically
subcortices
subcorymbose
subcorymbosely
subcosta
subcostae
subcostal
subcostalis
subcouncil
subcouncils
subcover
subcranial
subcranially
subcreative
subcreatively
subcreativeness
subcreek
subcrenate
subcrenated
subcrenately
subcrepitant
subcrepitation
subrescentic
subcrest
subcriminal
subcriminally
subscript
subcritical
subcrossing
subcruciform
subcrureal
subcrureus
subcrust
subcrustaceous
subcrustal
subcrystalline
subcubic
subcubical
subcuboid
subcuboidal
subcultrate
subcultrated
subcultural
subculturally
subculture
subculture's
subcultured
subcultures
subculturing
subcuneus
subcurate
subcurator
subcuratorial
subcurators
subcuratorship
subcurrent
subcutaneous
subcutaneously
subcutaneousness
subcutes
subcuticular
subcutis
subcutises
subcyaneous
subcyanid
subcyanide
subcycle
subcycles
subcylindric
subcylindrical
subdataries
subdatary
subdate
subdated
subdating
subdeacon
subdeaconate
subdeaconess
subdeaconry
subdeacons
subdeaconship
subdealer
subdean
subdeanery
subdeans
subdeb
subdebs
subdebutante
subdebutanties
subdecanal
subdecimal
subdecuple
subdeducible
subdefinition
subdefinitions
subdelegate
subdelegated
subdelegating
subdelegation
subdeliliria
subdeliria
subdelirium
subdeliriums
subdeltaic
subdeltoid
subdeltoidal
subdemonstrate
subdemonstrated
subdemonstrating
subdemonstration
subdendroid
subdendroidal
subdenomination
subdentate
subdentated
subdentation
subdented
subdenticulate
subdenticulated
subdepartment
subdepartmental
subdepartments
subdeposit
subdepositories
subdepository
subdepot
subdepots
subdepressed
subdeputies
subdeputy
subderivative
subdermal
subdermic
subdeterminant
subdevil
subdiaconal
subdiaconate
subdiaconus
subdial
subdialect
subdialectal
subdialectally
subdialects
subdiapason
subdiapasonic
subdiapente
subdiaphragmatic
subdiaphragmatically
subdichotomies
subdichotomize
subdichotomous
subdichotomously
subdichotomy
subdie
subdilated
subdirector
subdirectories
subdirectors
subdirectorship
subdirectory
subdiscipline
subdisciplines
subdiscoid
subdiscoidal
subdisjunctive
subdistich
subdistichous
subdistichously
subdistinction
subdistinctions
subdistinctive
subdistinctively
subdistinctiveness
subdistinguish
subdistinguished
subdistrict
subdistricts
subdit
subdititious
subdititiously
subdivecious
subdiversify
subdividable
subdivide
subdivided
subdivider
subdivides
subdividing
subdividingly
subdivine
subdivinely
subdivineness
subdivisible
subdivision
subdivision's
subdivisional
subdivisions
subdivisive
subdoctor
subdolent
subdolichocephalic
subdolichocephalism
subdolichocephalous
subdolichocephaly
subdolous
subdolously
subdolousness
subdomains
subdominance
subdominant
subdorsal
subdorsally
subdouble
subdrain
subdrainage
subdrill
subdruid
subduable
subduableness
subduably
subdual
subduals
subduce
subduced
subduces
subducing
subduct
subducted
subducting
subduction
subducts
subdue
subdued
subduedly
subduedness
subduement
subduer
subduers
subdues
subduing
subduingly
subduple
subduplicate
subdural
subdurally
subdure
subdwarf
subecho
subechoes
subectodermal
subectodermic
subedit
subedite
subediting
subeditor
subeditorial
subeditors
subeditorship
subedits
subeffective
subeffectively
subeffectiveness
subelaphine
subelection
subelectron
subelement
subelemental
subelementally
subelementary
subelliptic
subelliptical
subelongate
subelongated
subemarginate
subemarginated
subemployed
subemployment
subencephalon
subencephalic
subendocardial
subendorse
subendorsed
subendorsement
subendorsing
subendothelial
subendymal
subenfeoff
subengineer
subentire
subentitle
subentitled
subentitling
subentries
subentry
subepidermal
subepiglottal
subepiglottic
subepithelial
subepoch
subepochs
subequal
subequalities
subequality
subequally
subequatorial
subequilateral
subequivalve
suber
suberane
suberate
suberect
suberectly
suberecctness
subereous
suberic
suberiferous
suberification
suberiform
suberin
suberine
suberinization
suberinize
suberins
suberise
suberised
suberises
suberising
suberite
suberization
suberize
suberized
suberizes
suberizing
suberone
suberose
suberous
subers
subescheator
subesophageal
subessential
subessentially
subessentialness
subestuarine
subet
subeth
subetheric
subevergreen
subexaminer
subexcitation
subexcite
subexecutor
subexpression
subexpression's
subexpressions
subextensibility
subextensible
subextensibleness
subextensibness
subexternal
subexternally
subface
subfacies
subfactor
subfactorial
subfactories
subfactory
subfalcate
subfalcial
subfalciform
subfamilies
subfamily
subfascial
subfastigate
subfastigiated
subfebrile
subferryman
subferrymen
subfleuret
subfleurets
subfestive
subfestively
subfestiveness
subfeu
subfeudation
subfeudatory
subfibrous
subfief
subfield
subfield's
subfields
subfigure
subfigures
subfile
subfile's
subfiles
subfissure
subfix
subfixes
subflavor
subflavour
subflexuose
subflexuous
subflexuously
subfloor
subflooring
subfloors
subflora
subfluid
subflush
subfluvial
subfocal
subfoliar
subgelatinousness
subgenera
subgeneric
subgenerical
subgenerically
subgeniculate
subgeniculation
subgenital
subgens
subgentes
subgenual
subgenus
subgeneruses
subgeometric
subgeometrical
subgeometrically
subgerminal
subgerminally
subget
subgiant
subgit
subglabrous
subglacial
subglacially
subglenoid
subgloboid
subglobose
subglobosely
subglobosity
subglobous
subglobular
subglobularly
subglobulose
subglossal
subglossitis
subglottal
subglottally
subglottic
subglumaceous
subgoal
subgoal's
subgoals
subgod
subgoverness
subgovernor
subgovernorship
subgrade
subgrades
subgranular
subgranularity
subgranularly
subgraph
subgraphs
subgrin
subgroup
subgroup's
subgroups
subgular
subgum
subgwely
subgyre
subgyri
subgyrus
subhalid
subhalide
subhall
subharmonic
subhastation
subhatcheries
subhatchery
subhead
subheading
subheadings
subheadquarters
subheads
subheadwaiter
subhealth
subhedral
subhemispheric
subhemispherical
subhemispherically
subhepatic
subherd
subhero
subheroes
subhexagonal
subhirsuness
subhirsute
subhirsuteness
subhooked
subhorizontal
subhorizontally
subhorizontalness
subhornblendic
subhouse
subhuman
subhumanly
subhumans
subhumeral
subhumid
subhyalin
subhyaline
subhyaloid
subhymenal
subhymenium
subhyoid
subhyoidean
subhypotheses
subhypothesis
subhystera
subicle
subicteric
subicterical
subicular
subiculum
subidar
subidea
subideal
subideas
subilia
subililia
subilium
subimaginal
subimago
subimbricate
subimbricated
subimbricately
subimbricative
subimposed
subimpressed
subincandescent
subincident
subincise
subincision
subincomplete
subindex
subindexes
subindicate
subindicated
subindicating
subindication
subindicative
subindices
subindividual
subinduce
subinfection
subinfer
subinferior
subinferred
subinferring
subinfeud
subinfeudate
subinfeudated
subinfeudating
subinfeudation
subinfeudatories
subinfeudatory
subinflammation
subinflammatory
subinfluent
subinform
subingression
subinguinal
subinitial
subinoculate
subinoculation
subinsert
subinsertion
subinspector
subinspectorship
subintegumental
subintegumentary
subintellection
subintelligential
subintelligitur
subintent
subintention
subintentional
subintentionally
subintercessor
subinternal
subinternally
subinterval
subinterval's
subintervals
subintestinal
subintimal
subintrantrant
subintroduce
subintroduced
subintroducing
subintroduction
subintroductive
subintroductory
subinvolute
subinvoluted
subinvolution
subiodide
subirrigate
subirrigated
subirrigating
subirrigation
subitane
subitaneous
subitany
subitem
subitems
subito
subitous
subj
subjacency
subjacent
subjacently
subjack
subject
subjectability
subjectable
subjectdom
subjected
subjectedly
subjectedness
subjecthood
subjectibility
subjectible
subjectification
subjectified
subjectify
subjectifying
subjectile
subjecting
subjection
subjectional
subjectist
subjective
subjectively
subjectiveness
subjectivism
subjectivist
subjectivistic
subjectivistically
subjectivity
subjectivization
subjectivize
subjectivoidealistic
subjectless
subjectlike
subjectness
subjects
subjectship
subjee
subjicible
subjoin
subjoinder
subjoined
subjoining
subjoins
subjoint
subjudge
subjudgeship
subjudicial
subjudicially
subjudiciaries
subjudiciary
subjugable
subjugal
subjugate
subjugated
subjugates
subjugating
subjugation
subjugator
subjugators
subjugular
subjunct
subjunction
subjunctive
subjunctively
subjunctives
subjunior
subking
subkingdom
subkingdoms
sublabial
sublabially
sublaciniate
sublacunose
sublacustrine
sublicense
sublicensed
sublicensee
sublicenses
sublicensing
sublid
sublieutenancy
sublieutenant
subligation
sublighted
sublimable
sublimableness
sublimant
sublimate
sublimated
sublimates
sublimating
sublimation
sublimational
sublimationist
sublimations
sublimator
sublimatory
sublime
sublimed
sublimely
sublimeness
sublimier
sublimers
sublimes
sublimest
sublimification
subliminal
subliminally
subliming
sublimish
sublimitation
sublimities
sublimity
sublimize
subline
sublinear
sublineation
sublingua
sublinguae
sublingual
sublinguate
sublist
sublist's
sublists
subliterary
subliterate
subliterature
sublittoral
sublobular
sublong
subloral
suboreal
sublot
sublumbar
sublunar
sublunary
sublunate
sublunate
sublustrous
sublustrously
sublustrousness
subluxate
subluxation
submachine
submaid
submain
submakroskelic
submammary
subman
submanager
submanagership
submandibular
submania
submaniacal
submaniacally
submanic
submanor
submarginal
submarginally
submarginate
submargined
submarine
submarined
submariner
submariners
submarines
submarining
submarinism
submarinist
submarshal
submaster
submatrices
submatrix
submatrixes
submaxilla
submaxillae
submaxillary
submaxillas
submaximal
submeaning
submedial
submedially
submedian
submediant
submediation
submediocre
submeeting
submember
submembers
submembranaceous
submembranous
submen
submeningeal
submenta
submental
submentum
submerge
submerged
submergement
submergence
submergences
submerges
submergibility
submergible
submerging
submerse
submersed
submerses
submersibility
submersible
submersibles
submersing
submersion
submersiones
submetallic
submetaphoric
submetaphorical
submetaphorically
submontane
submontanely
submontaneous
submorphous
submortgage
submotive
submountain
submucosa
submucosae
submucosal
submucosally
submucous
submucronate
submucronated
submultiple
submultiplexed
submundane
submuriate
submuscular
submuscularly
subnacreous
subnanosecond
subnarcotic
subnasal
subnascent
subnatural
subnaturally
subnaturalness
subnect
subnervian
subness
subnet
subnets
subnetwork
subnetwork's
subnetworks
subneural
subnex
subnitrater
subnitrated
subniveal
subnivean
subnodal
subnode
subnodes
subnodulate
subnodulous
subnormal
subnormality
subnormally
subnotation
subnotational
subnote
subnotochordal
subnubilar
subnuclei
subnucleus
subnucleuses
subnude
subnumber
subnutritious
subnutritiously
subnutritiousness
subnuvolar
suboblique
subobliquely
subobliqueness
subobscure
subobscurely
subobscureness
subobsolete
subobsoletely
subobsoleteness
subobtuse
subobtusely
subobtuseness
suboccipital
subocean
suboceanic
suboctave
suboctile
suboctuple
subocular
subocularly
suboesophageal
suboffice
subofficer
subofficers
suboffices
subofficial
subofficially
subolive
subopaque
subopaquely
subopaqueness
subopercle
subopercular
suboperculum
subopposite
suboppositely
suboppositeness
suboptic
suboptical
suboptically
suboptima
suboptimal
suboptimally
suboptimization
suboptimum
suboptimuma
suboptimums
suboral
suborbicular
suborbicularity
suborbicularly
suborbiculate
suborbiculated
suborbital
suborbitar
suborbitary
subordain
suborder
suborders
subordinacy
subordinal
subordinaries
subordinary
subordinate
subordinated
subordinately
subordinateness
subordinates
subordinating
subordinatingly
subordination
subordinationism
subordinationist
subordinations
subordinative
subordinator
suborganic
suborganically
suborn
subornation
subornations
subornative
suborned
suborner
suborners
suborning
suborns
suboval
subovarian
subovate
subovated
suboverseer
subovoid
suboxid
suboxidation
suboxide
suboxides
subpackage
subpagoda
subpallial
subpalmate
subpalmated
subpanation
subpanel
subpar
subparagraph
subparagraphs
subparallel
subparalytic
subparameter
subparameters
subparietal
subparliament
subpart
subparties
subpartition
subpartitioned
subpartitionment
subpartnership
subparts
subparty
subpass
subpassage
subpastor
subpastorship
subpatellar
subpatron
subpatronal
subpatroness
subpattern
subpavement
subpectinate
subpectinated
subpectination
subpectoral
subpeduncle
subpeduncled
subpeduncular
subpedunculate
subpedunculated
subpellucid
subpellucidity
subpellucidly
subpellucidness
subpeltate
subpeltated
subpeltately
subpena
subpenaed
subpenaing
subpenas
subpentagonal
subpentangular
subpericardiac
subpericardial
subpericranial
subperiod
subperiosteal
subperiosteally
subperitoneal
subperitoneally
subpermanent
subpermanently
subperpendicular
subpetiolar
subpetiolate
subpetiolated
subpetrosal
subpharyngal
subpharyngeal
subpharyngeally
subphases
subphosphate
subphratries
subphratry
subphrenic
subphyla
subphylar
subphylla
subphylum
subpial
subpilose
subpilosity
subpimp
subpiston
subplacenta
subplacentae
subplacental
subplacentas
subplant
subplantigrade
subplat
subplate
subpleural
subplexal
subplinth
subplot
subplots
subplow
subpodophyllous
subpoena
subpoenaed
subpoenaing
subpoenal
subpoenas
subpolar
subpolygonal
subpolygonally
subpool
subpools
subpopular
subpopulation
subpopulations
subporphyritic
subport
subpost
subpostmaster
subpostmastership
subpostsctipt
subpotencies
subpotency
subpotent
subpreceptor
subpreceptoral
subpreceptorate
subpreceptorial
subpredicate
subpredication
subpredicative
subprefect
subprefectorial
subprefecture
subprehensile
subprehensility
subpreputial
subpress
subprimary
subprincipal
subprincipals
subprior
sub prioress
subpriorship
subproblem
subproblem's
subproblems
subprocess
subprocesses
subproctor
subproctorial
subproctorship
subproduct
subprofessional
subprofessionally
subprofessor
subprofessorate
subprofessoriate
subprofessorship
subprofitable
subprofitableness
subprofitably
subprogram
subprogram's
subprograms
subproject
subproof
subproof's
subproofs
subproportional
subproportionally
subprostatic
subprotector
subprotectorship
subprovince
subprovinces
subprovincial
subpubescent
subpubic
subpulmonary
subpulverizer
subpunch
subpunctuation
subpurchaser
subpurlin
subputation
subpyramidal
subpyramidic
subpyramidical
subpyriform
subquadrangular
subquadrate
subqualities
subquality
subquarter
subquarterly
subquestion
subqueues
subquinquefid
subquintuple
subrace
subraces
subradial
subradiance
subradiancy
subradiate
subradiative
subradical
subradicalness
subradicness
subradius
subradular
subrail
subrailway
subrameal
subramose
subramous
subrange
subrange's
subranges
subrational
subreader
subreason
subrebellion
subrectal
subrectangular
subrector
subrectories
subrectory
subreference
subregent
subregion
subregional
subregions
subregular
subregularity
subreguli
subregulus
subrelation
subreligion
subreniform
subrent
subrents
subrepand
subrepent
subreport
subreptary
subreption
subreptitious
subreptitiously
subreptive
subreputable
subreputably
subresin
subresults
subretinal
subretractile
subrhombic
subrhombical
subrhomboid
subrhomboidal
subrictal
subrident
subridently
subrigid
subrigidity
subrigidly
subrigidness
subring
subrings
subrision
subrisive
subrisory
subrogate
subrogated
subrogating
subrogation
subrogee
subrogor
subroot
subrostral
subrootund
subrotundity
subrotundly
subrotundness
subround
subroutine
subroutine's
subroutines
subroutining
subrule
subruler
subrules
subs
subsacral
subsale
subsales
subsaline
subsalinity
subsalt
subsample
subsampled
subsampling
subsartorial
subsatellite
subsatiric
subsatirical
subsatirically
subsatiricalness
subsaturated
subsaturation
subscale
subscapular
subscapularis
subscapulary
subschedules
subschedules
subschemas
subsellium
subsemifusa
subsemitone
subsensation
subsense
subsensible
subsensual
subsensually
subsensuous
subsensuously
subsensuousness
subsept
subseptate
subseptuple
subsequence
subsequence's
subsequences
subsequencey
subsequent
subsequential
subsequently
subsequentness
subsere
subseres
subseries
subserosa
subserous
subserrate
subserrated
subserve
subserved
subserves
subserviate
subservience
subserviency
subservient
subserviently
subservientness
subserving
subsasqui
subsessile
subset
subset's
subsets
subsetting
subsewer
subsextuple
subshaft
subshafts
subshell
subsheriff
subshire
subshrub
subshrubby
subshrubs
subsilicance
subsilicancy
subsilicant
subsilicantly
subsiccive
subsidence
subsider
subsiders
subsides
subsidiarie
subsidiaries
subsidiarily
subsidiariness
subsidiary
subsidiary's
subsidies
subsiding
subsidise
subsidist
subsidium
subsidizable
subsidization
subsidizations
subsidize
subsidized
subsidizer
subsidizes
subsidiizing
subsidiy
subsidiy's
subsign
subsilicate
subsilicic
subsill
subsimian
subsimalation
subsimious
subsimple
subsimuous
subsist
subsisted
subsistence
subsistency
subsistent
subsistental
subsister
subsisting
subsistingly
subsists
subsizar
subsizarship
subslot
subslots
subsmile
subsneer
subsocial
subsocially
subsoil
subsoiled
subsoiler
subsoiling
subsoils
subsolr
subsolid
subsonic
subsonically
subsonics
subsort
subsorter
subsovereign
subspace
subspace's
subspaces
subspatulate
subspecialist
subspecialization
subspecialize
subspecialized
subspecializing
subspecialties
subspecialty
subspecies
subspecific
subspecifically
subsphenoid
subsphenoidal
subsphere
subspheric
subspherical
subspherically
subspinose
subspinous
subspiral
subspirally
subsplenial
subspontaneous
subspontaneously
subspontaneousness
subsquadron
subssellia
subst
substage
substages
substalagmite
substalagmitic
substance
substance's
substanced
substanceless
substances
substanch
substandard
substandardization
substandardize
substandardized
substandardizing
substantially
substant
substantia
substantiability
substantiable
substantiae
substantial
substantialia
substantialism
substantialist
substantiality
substantialization
substantialize
substantialized
substantializing
substantially
substantially
substantialness
substantiatable
substantiate
substantiated
substantiates
substantiating
substantiation
substantiations
substantiative
substantiator
substantify
substantial
substantival
substantively
substantiveness
substantives
substantivity
substantivize
substantivized
substantivizing
substantize
substation
substations
substernal
substile
substituent
substitutabilities
substitutability
substitutable
substitute
substituted
substituter
substitutes
substituting
substitutingly
substitution
substitutional
substitutionally
substitutionary
substitutions
substitutive
substitutively
substock
substore
substoreroom
substories
substory
substract
substraction
substrat
substrata
substratal
substrate
substrate's
substrates
substrati
substrative
substrator
substratose
substratosphere
substratospheric
substratum
substratums
substram
substrate
substrated
substring
substrings
substrate
substract
substract
substructur
substructural
substructure
substructure's
substructured
substructures
substil
substyle
subsulci
subsulcus
subsulfate
subsulfid
subsulfide
subsulphate
subsulphid
subsulphide
subsult
subsultive
subsultorily
subsultorius
subsultory
subsultory subsultus
subsultus
subsumable
subsume
subsumed
subsumes
subsuming
subsumption
subsumptive
subsuperficial
subsuperficially
subsuperficialness
subs sureties
sub surety
subsurface
subsurfaces
subsyndicate
subsyndication
subsynod
subsynodal
subsynodic
subsynodical
subsynodically
subsynovial
subs ystem
subs ystem's
subs ystems
subtack
subtacksm an
subtacksm en
subtangent
subtarget
subtarsal
subtartare an
subtask
sub task's
sub tasking
subtasks
subtaxer
subtectacle
subtectal
subteen
subteener
subteens
subtegminal
subtegulaneous
subtegumental
subtegumentary
subtemperate
subtemporal
subtenancies
subtenancy
subtenant
subtenants
subtend
subtended
subtending
subtends
subtense
subtentacular
subtenure
subtepid
subtepidity
subtepidly
subtepидness
subteraqueous
subterbrutish
subtercelestial
subterconscious
subtercutaneous
subterete
subteretherical
subterfluent
subterfluous
subterfuge
subterfuges
subterhuman
subterjacent
subtermarine
subterminal
subterminally
subternatural
subterpose
subterposition
subterrain
subterrane
subterraneal
subterranean
subterraneanize
subterraneanized
subterraneanizing
subterraneanly
subterraneity
subterraneous
subterraneously
subterraneousness
subterraneanly
subterrannity
subterrany
subterraneous
subterrene
subterrestrial
subterritorial
subterritories
subterritory
subtersensual
subtersensuous
subtersuperlative
subtersurface
subtertian
subtetanic
subtetanical
subtext
subtexts
subthalamic
subthalamus
subthoracal
subthoracic
subthreshold
subthril
subtile
subtilely
subtileness
subtilier
subtiest
subtiliate
subtiliation
subtilin
subtilis
subtilisation
subtilise
subtilised
subtiliser
subtilising
subtilism
subtilist
subtilities
subtility
subtilization
subtilize
subtilized
subtilizer
subtilizing
subtil
subtilillage
subtilly
subtranslucence
subtranslucency
subtranslucent
subtransparent
subtransparently
subtransparentness
subtransversal
subtransversally
subtransverse
subtransversely
subtrapezoid
subtrapezoidal
subtray
subtread
subtreasurer
subtreasurership
subtreasuries
subtreasury
subtree
subtree's
subtrees
subtrench
subtriangular
subtriangularity
subtriangulate
subtribal
subtribe
subtribes
subtribual
subtribual
subtrifid
subtrigonal
subtrihedral
subtriplicate
subtriplicated
subtriplication
subtriquetrous
subtrist
subtrochanteric
subtrochlear
subtrochleariform
subtropic
subtropical
subtropics
subtrousers
subtrude
subtruncate
subtruncation
subtrunk
subtuberant
subtubiform
subtunic
subtunics
subtunnel
subturbary
subturriculate
subturriculated
subtutor
subtutorship
subtwined
subtympanic
subtype
subtypes
subtypical
subacula
subulate
subulated
subulicorn
subuliform
subultimate
subumbellar
subumbellate
subumbellated
subumbelliferous
subumbilical
subumbonal
subumbonate
subumbral
subumbrella
subumbrellar
subuncinal
subuncinate
subuncinated
subunequal
subunequally
subunequalness
subungual
subungual
subungulate
subunit
subunit's
subunits
subuniversal
subuniverse
suburb
suburb's
subventitious
subventive
subventral
subventrally
subventricose
subventricular
subventricious
subventricose
subvermiform
subversal
subverse
subversed
subversion
subversionary
subversions
subversive
subversively
subversiveness
subversives
subversivism
subvert
subvertebral
subvertebrate
subverted
subverter
subverters
subvertible
subvertical
subvertically
subverticalness
subverticlate
subverticilated
subverticillate
subverting
subverts
subvesicular
subvestment
subvicar
subvicars
subvicarship
subvii
subvillain
subviral
subvirate
subvirile
subvisible
subvitalisation
subvitalised
subvitalization
subvitalized
subvitreous
subvitreously
subvitreousness
subvocal
subvocally
subvolal
subwar
subwarden
subwardenship
subwater
subway
subway's
subways
subwealthy
subweight
subwink
subworker
subworkman
subworkmen
subzero
subzonal
subzony
subzone
subzones
subzygomatic
succade
succah
succahs
succedanea
succedaneous
succedaneum
succedaneums
succeedent
succeed
succeedable
succeeded
succeeder
succeeders
succeeding
succeedingly
succeeds
succeent
succeentor
succeenturiate
succeenturiation
succes
succeesful
succesive
success
successes
successful
successfully
successfulness
succession
succession's
successional
successionally
successionist
successionless
successions
successive
successively
successiveness
successivity
successless
successlessly
successlessness
successor
successor's
successorial
successors
successorship
successory
succi
succiferous
succin
succinamate
succinamic
succinamide
succinanil
succinate
succinct
succincter
succinctest
succinctly
succinctness
succinctoria
succinctorium
succinctory
succincture
succinea
succinic
succiniferous
succinimid
succinimide
succinite
succinol
succinoresinol
succinosulphuric
succinous
succintorium
succinum
succinyl
succinylcholine
succinyls
succinylsulfathiazole
succinylsulphathiazole
succise
succivorous
succor
succorable
succored
succorer
succorers
succorful
succories
succoring
succorless
succorrhoea
succorrhoea
succors
succory
succose
succotash
succoth
succour
succourable
succoured
succourer
succourful
succouring
succourless
succours
succous
succub
succuba
succubae
succube
succubi
succubine
succubous
succubus
succubuses
succudry
succula
succulence
succulencies
succulency
succulent
succulently
succulentness
succulents
succulose
succumb
succumbed
succumbence
succumbency
succumbent
succumber
succumbers
succumbing
succumbs
succursal
succursals
succursale
succus
success
succussion
succussation
succussatory
succussed
succusses
succussing
succussion
succussive
such
suchlike
suchness
suchnesses
suchwise
such
sucivilized
suck
suckable
suckabob
suckage
suckauhock
sucked
sucken
suckener
suckeny
sucker
suckered
suckerel
suckerfish
suckerfishes
suckering
suckerlike
suckers
sucket
suckfish
suckfishes
suckhole
sucking
suckle
sucklebush
suckled
suckler
sucklers
suckles
suckless
suckling
sucklings
sucks
suckstone
suctat
sucramin
sucramine
sucrase
sucrases
sucrate
sucre
sucre
sucres
sucrrier
sucrieres
sucroacid
sucrose
sucroses
suction
suctional
suctions
suctorial
suctorian
suctorious
sucupira
sucuri
sucuriu
sucuruju
sucury
sud
sudadero
sudamen
sudamina
sudaminal
sudan
sudanese
sudanic
sudaria
sudaries
sudarium
sudary
sudate
sudation
sudations
sudatoria
sudatories
sudatorium
sudatory
sudburite
sudd
sudden
suddenly
suddenness
suddens
suddenty
sudder
saddle
sudds
suddy
sude
sudes
sudiform
sudor
sudoral
sudoresis
sudoric
sudoriferous
sudoriferousness
sudorific
sudoriparous
sudorous
sudors
sudra
suds
sudsed
sudser
sudser
sudses
sudsier
sudsiest
sudsing
sudsless
sudsman
sudsmen
sudsy
sue
sued
suede
sueded
suedes
suedine
sueding
suegee
suent
suer
suers
suerte
sues
suet
suets
suety
sueve
suevian
suey
suez
suf
suff
suffari
suffaris
suffect
suffection
suffer
sufferable
sufferableness
sufferably
sufferance
sufferant
suffered
sufferer
sufferers
suffering
sufferingly
sufferings
suffers
suffete
suffetes
suffice
sufficeable
sufficed
sufficer
sufficers
suffices
sufficence
sufficiencies
sufficiency
sufficient
sufficiently
sufficientness
sufficing
sufficingly
sufficingness
suffiction
suffisance
suffisant
suffix
suffixal
suffixation
suffixed
suffixer
suffixes
suffixing
suffixion
suffixment
sufflaminate
sufflamination
sufflate
sufflated
sufflates
sufflating
sufflation
sufflue
suffocate
suffocated
suffocates
suffocating
suffocatingly
suffocation
suffocative
suffolk
suffragan
suffraganal
suffraganate
suffragancy
suffraganeous
suffragans
suffragant
suffragate
suffragatory
suffrage
suffrages
suffragette
suffragettes
suffragettism
suffragial
suffragism
suffragist
suffragistic
suffragistically
suffragists
suffragitis
suffrago
suffran
suffront
suffrutescent
suffrutex
suffrutices
suffraticose
suffraticous
suffraticulose
suffumigate
suffumigated
suffumigating
suffumigation
suffusible
suffuse
suffused
suffusedly
suffuses
suffusing
suffusion
suffusions
suffusive
sufi
sufism
sugamo
sugan
sugann
sugar
sugarberries
sugarberry
sugarbird
sugarbush
sugarcane
sugarcoat
sugarcoatedsugarcoatingsugarcoats
sugared
sugarelly
sugarer
sugarhouse
sugarhouses
sugarier
sugaries
sugariest
sugariness
sugaring
sugarings
sugarless
sugarlike
sugarloaf
sugarplate
sugarplum
sugarplums
sugars
sugarsop
sugarsweet
sugarworks
sugary
sugat
sugent
sugescent
sugg
suggan
suggest
suggesta
suggestable
suggested
suggestedness
suggester
suggestibility
suggestible
suggestibleness
suggestibly
suggesting
suggestingly
suggestion
suggestion's
suggestionability
suggestionable
suggestionism
suing
suingly
suint
suints
suiogothic
suissimilar
suisse
suist
suit
suit's
suitability
suitable
suitableness
suitably
suitcase
suitcase's
suitcases
suite
suited
suitedness
suiters
suites
suithold
suiting
suitings
suitlike
suitly
suitor
suitor's
suiteress
suitors
suitorship
suitress
suits
suity
survante
suivez
suji
sukiyaki
sukiyakis
sukkah
sukkahs
sukkenye
sukkoth
sula
sulbasutra
sulcal
sulcalization
sulcalize
sulcar
sulcate
sulcated
sulcation
sulcatoareolate
sulcatocostate
sulcatorimose
sulci
sulciform
sulcomarginal
sulcular
sulculete
sulculus
sulcus
suld
suldan
suldans
sulea
sulfa
sulfacid
sulfadiazine
sulfadimethoxine
sulfaguanidine
sulfamate
sulfamerazin
sulfamazine
sulfamethazine
sulfamethylthiazole
sulfamic
sulfamidate
sulfamide
sulfamidic
sulfamine
sulfaminic
sulfamyl
sulfanilamide
sulfanilic
sulfanilylguanidine
sulfantimonide
sulfapyrazine
sulfapyridine
sulfadoxine
sufarsenide
sufarsenite
sufarseniuret
sulfarsphenamine
sulfas
sulfatase
sulfate
sulfated
sulfates
sulfathiazole
sulfatic
sulfating
sulfation
sulfatization
sulfatize
sulfatized
sulfatizing
sulfato
sulfazide
sulhydrate
sulhydric
sulhydryl
sulfid
sulfide
sulfides
sulfids
sulfinate
sulfindigotate
sulfindigotic
sulfindylic
sulfine
sulfinic
sulfinate
sulfinyl
sulfyny1
sulfion
sulfionide
sulfisoxazole
sulfite
sulfites
sulfitic
sulfito
sulfo
sulfoacid
sulfoamide
sulfobenzide
sulfobenzoate
sulfobenzoic
sulfobismuthite
sulfoborite
sulfocarbamide
sulfocarbimide
sulfocarbolate
sulfocarbolic
sulfochloride
sulfocyan
sulfocyanide
sulfocification
sulfogermanate
sulfohalite
sulfohydrate
sulfoidigotate
sulfoleic
sulfolysis
sulfomethyllic
sulfonal
sulfonals
sulfonamic
sulfonamide
sulfonate
sulfonated
sulfonating
sulfonation
sulfonator
sulfone
sulfonephthalein
sulfones
sulfonethylmethane
sulfonic
sulfonium
sulfonmethane
sulfonyl
sulfonyls
sulfonylurea
sulfophthalein
sulfopurpurate
sulfopurpuric
sulforicinate
sulforicinic
sulforicinoleate
sulforicinoleic
sulfoselenide
sulfosilicic
dsulfostannide
sulfotelluride
sulfourea
sulfovinate
sulfovinic
sulfowolframic
sulfoxide
sulfoxism
sulfoxylate
sulfoxyllic
sulfur
sulfurage
sulfuran
sulfurate
sulfuration
sulfurator
sulfurea
sulfured
sulfureous
sulfureously
sulfureousness
sulfuret
sulfureted
sulfureting
sulfurets
sulfuretted
sulfuretting
sulfuric
sulfuring
sulfurization
sulfurize
sulfurized
sulfurizing
sulfurosyl
sulfurous
sulfurously
sulfurousness
sulfs
sulfury
sulfuryl
sulfuryls
suling
sulk
sulka
sulked
sulker
sulkers
sulkier
sulkies
sulkiest
sulkily
sulkiness
sulking
sulks
sulky
sulkylike
<table>
<thead>
<tr>
<th>sull</th>
<th>sulla</th>
</tr>
</thead>
<tbody>
<tr>
<td>sullage</td>
<td>sullages</td>
</tr>
<tr>
<td>sullen</td>
<td>sullener</td>
</tr>
<tr>
<td>sullenest</td>
<td>sullenhearted</td>
</tr>
<tr>
<td>sullenly</td>
<td>sullenness</td>
</tr>
<tr>
<td>sullens</td>
<td>sullible</td>
</tr>
<tr>
<td>sulliage</td>
<td>sullied</td>
</tr>
<tr>
<td>sulliedness</td>
<td>sullies</td>
</tr>
<tr>
<td>sullow</td>
<td>sully</td>
</tr>
<tr>
<td>sulying</td>
<td>sulpha</td>
</tr>
<tr>
<td>sulphacid</td>
<td>sulphadiazine</td>
</tr>
<tr>
<td>sulphaguanidine</td>
<td>sulphaldehyde</td>
</tr>
<tr>
<td>sulphamate</td>
<td>sulphamerazine</td>
</tr>
<tr>
<td>sulphamic</td>
<td>sulphamid</td>
</tr>
<tr>
<td>sulphamidate</td>
<td>sulphamidic</td>
</tr>
<tr>
<td>sulphamin</td>
<td>sulphamine</td>
</tr>
<tr>
<td>sulphaminic</td>
<td>sulphamino</td>
</tr>
<tr>
<td>sulphammonium</td>
<td>sulphaml</td>
</tr>
<tr>
<td>sulphanilamide</td>
<td>sulphanilate</td>
</tr>
<tr>
<td>sulphanilic</td>
<td>sulphantimonate</td>
</tr>
<tr>
<td>sulphantimonial</td>
<td>sulphantimonic</td>
</tr>
<tr>
<td>sulphantimonide</td>
<td>sulphantimonious</td>
</tr>
<tr>
<td>sulphantimonite</td>
<td>sulphapyrazine</td>
</tr>
<tr>
<td>sulphapyridine</td>
<td></td>
</tr>
</tbody>
</table>
sulpharsenate
sulpharseniate
sulpharsenic
sulpharsenid
sulpharsenide
sulpharsenious
sulpharsenite
sulpharseniuret
sulpharsphenamine
sulphas
sulphatase
sulphate
sulphated
sulphates
sulphathiazole
sulphatic
sulphating
sulphation
sulphatization
sulphatize
sulphatized
sulphatizing
sulphato
sulphatoacetic
sulphatocarbonic
sulphazid
sulphazide
sulphazotize
sulphbismuthite
sulphethylate
sulphethylic
sulphhemoglobin
sulphichthyolate
sulphid
sulphidation
sulphide
sulphides
sulphidic
sulphidize
sulphids
sulphimide
sulphin
sulphinate
sulphindigotate
sulphindigotic
sulphine
sulphinic
sulphinide
sulphinyl
sulphion
sulphisoxazole
sulphitation
sulphite
sulphites
sulphitic
sulphito
sulphmethemoglobin
sulpho
sulphoacetic
sulphoamid
sulphoamide
sulphoantimonate
sulphoantimononic
sulphoantimonious
sulphoantimonite
sulphoarsenic
sulphoarsenious
sulphoarsenite
sulphoazotize
sulphobenzid
sulphobenzide
sulphobenzoate
sulphobenzoic
sulphobismuthite
sulphoborite
sulphobutyrice
sulphocarabolic
sulphocarbamide
sulphocarbanilide
sulphocarbimide
sulphocarboilate
sulphocarbolic
sulphocarbonate
sulphocarbonic
sulphochloride
sulphochromic
sulphocinnamic
sulphocyan
sulphocyanate
sulphocyanic
sulphocyanide
sulphocyanogen
sulphodichloramine
sulphofication
sulphofy
sulphogallic
sulphogel
sulphogermanate
sulphogermanic
sulphohalite
sulphohaloid
sulphohydrate
sulphoichthyolate
sulphoichthyolic
sulphoindigotate
sulphoindigotic
sulpholeate
sulpholeic
sulpholipin
sulpholysis
sulphonal
sulphonalism
sulphonamic
sulphonamid
sulphonamide
sulphonamido
sulphonamine
sulphonaphthoic
sulphonate
sulphonated
sulphonating
sulphonation
sulphonator
sulphoncyanine
sulphone
sulphonephthalein
sulphones
sulphonethylmethane
sulphonic
sulphonium
sulphonmethane
sulphonphthalein
sulphonyl
sulphoparaldehyde
sulphopheny1
sulphophosphate
sulphosphosphate
sulphosphorite
sulphosphoritic
sulphosphorous
sulphophtalein
sulphosphthalic
sulphopropionic
sulphoproteid
sulphopurpuric
sulphopurpurate
sulphopurpuric
sulphorinate
sulphoricinic
sulphoricinoleate
sulphoricinoleic
sulphosalicylic
sulphoselenium
sulphosilicide
sulphosol
sulphostannate
sulphostannic
sulphostannide
sulphostannite
sulphostannous
sulphosuccinic
sulphosulphurous
sulphotannic
sulphotelluride
sulphoterephthalic
sulphotionyl
sulphotoluic
sulphotungstate
sulphotungstic
sulphoanic
sulphourea
sulphovanadate
sulphovinate
sulphovinic
sulphowolframatic
sulphoxid
sulphoxide
sulphoxism
sulphoxylate
sulphoxylic
sulphoxyphosphate
sulphozincate
sulphur
sulphurage
sulphuran
sulphurate
sulphurated
sulphurating
sulphuration
sulphurator
sulphurea
sulphurean
sultane
sultanesque
sultaness
sultanian
sultanic
sultanin
sultanism
sultanist
sultanize
sultanlike
sultanry
sultans
sultanship
sultany
sultone
sultrier
sultriest
sultrily
sultriness
sultry
sulung
sulvanite
sulvasutra
sum
sum's
sumac
sumach
sumachs
sumacs
sumage
sumatra
sumatran
sumatrans
sumbal
sumbul
sumbulic
sumen
sumerian
sumi
sumless
sumlessness
summa
summability
summable
summable
summage
summage
summand
summand's
summands
summar
summaries
summarily
summariness
summarisable
summarisation
summarise
summarised
summariser
summarising
summarist
summarizable
summarization
summarization's
summarizations
summarize
summarized
summarizer
summarizes
summarizing
summary
summary's
summas
summat
summate
summated
summates
summatimg
summation
summation's
summational
summations
summative
summatory
summed
summer
summer's
summerbird
summercastle
summered
summerer
summergame
summerhead
summerhouse
summerhouses
summerier
summeriest
summeriness
summering
summerings
summerish
summerite
summerize
summerland
summerlay
summerless
summerlike
summerliness
summerling
summerly
summerproof
summerroom
summers
summersault
summerset
summertide
summertime
summertree
summerward
summerweight
summerwood
summery
summing
summings
summist
summit
summital
summitless
summitries
summitry
summits
summity
summon
summonable
summoned
summoner
summoners
summoning
summoningly
summons
summonsed
summonses
summonsing
summula
summulae
summulist
summut
summer
sumo
sumoist
sumos
sump
sumpage
sumer
sumph
sumphish
sumphishly
sumphishness
sumphy
sumpit
sumpitam
sumple
sumpman
sumps
sumpsimus
sumpt
sumpter
sumpters
sumption
sumptious
sumptuary
sumptuosity
sumptuous
sumptuously
sumptuousness
sumpture
sumpweed
sumpweeds
sums
sun
sun’s
sunback
sunbake
sunbaked
sunbath
sunbathe
sunbathed
sunbather
sunbathers
sunbathes
sunbathing
sunbaths
sunbeam
sunbeam's
sunbeamed
sunbeams
sunbeamy
sunbelt
sunberries
sunberry
sunbird
sunbirds
sunblind
sunblink
sunbonnet
sunbonneted
sunbonnets
sunbow
sunbows
sunbreak
sunbreaker
sunburn
sunburned
sunburnedness
sunburning
sunburnproof
sunburns
sunburnt
sunburntness
sunburst
sunbursts
suncherchor
suncke
suncup
sundae
sundaes
sundang
sundari
sunday
sunday's
sundays
sundek
sunder
sunderable
sunderance
sundered
sunderer
sunderers
sundering
sunderly
sunderment
sunders
sunderwise
sundew
sundews
sundial
sundials
sundik
sundog
sundogs
sundown
sundowner
sundowning
sundowns
sundra
sundress
sundi
sundries
sundriesman
sundril
sundriness
sundrops
sundry
sundryman
sundrymen
sune
sunfall
sunfast
sunfish
sunfisher
sunfishery
sunfishes
sunflower
sunflowers
sunfoil
sung
sungar
sungha
sunglade
sunglass
sunglasses
sunglo
sunglow
sunglows
sungrebe
sunhat
sunk
sunken
sunket
sunkets
sunkie
sunkland
sunlamp
sunlamps
sunland
sunlands
sunless
sunlessly
sunlessness
sunlet
sunlight
sunlighted
sunlights
sunlike
sunlit
sunn
sunna
sunnas
sunned
suni
sunnier
sunniest
sunnily
sunniness
sunning
sunnism
sunnite
sunns
sunnud
sunny
sunnyasee
sunnyasse
sunnyhearted
sunnyheartedness
sunproof
sunquake
sunray
sunrise
sunrises
sunrising
sunroof
sunroofs
sunroom
sunrooms
sunrose
suns
sunscald
sunweed
sunwise
sunyata
sunyie
suovetaurilia
sup
supa
supari
supawn
supe
supellectile
supellex
super
superabduction
superabhbor
superability
superable
superableness
superably
superabnormal
superabnormally
superabominable
superabominableness
superabominably
superabomination
superabound
superabstract
superabstractly
superabstractness
superabsurd
superabsurdity
superabsurdly
superabsurdness
superabundance
superabundance
superabundant
superabundantly
superaccession
superaccessory
superaccommodating
superaccomplished
superaccrue
superaccrued
superaccruing
superaccumulate
superaccumulated
superaccumulating
superaccumulation
superaffiliation
superaffluence
superaffluence
superaffluent
superaffluently
superaffusion
superagencies
superagency
superaggravation
superagitation
superagrarian
superalbal
superalbuminosis
superalimentation
superalkaline
superalkalinity
superallowance
superalloy
superaltar
superaltern
superambition
superambitious
superambitiously
superambitiousness
superambulacral
superanal
superangelic
superangelical
superangelically
superanimal
superanimality
superannate
superannated
superannuate
superannuated
superannuating
superannuation
superannuitant
superannuities
superannuity
superapolgies
superapology
superappreciation
superaqual
superaqueous
superarbiter
superarbitrary
superarctic
superarduous
superarduously
superarduousness
superarrogance
superarrogant
superarrogantly
superarseniate
superartificial
superartificiality
superartificially
superaspiration
superassertion
superassociate
superassume
superassumed
superassuming
superassumption
superastonish
superastonishment
superate
superattachment
superattainable
superattainableness
superattainably
superattendant
superattraction
superattractive
superattractively
superattractiveness
superauditor
superaural
superaverage
superaverageness
superaveraness
superavit
superaward
superaxillary
superazotation
superb
superbazaar
superbazooka
superbelief
superbelievable
superbelievableness
superbelievably
superbeloved
superbenefit
superbenevolence
superbenevolent
superbenevolently
superbenign
superbenignly
superber
superbest
superbia
superbias
superbious
superbity
superblessed
superblessedness
superblock
superblunder
superbly
superbness
superbold
superboldly
superboldness
superbomb
superborrow
superbrain
superbrave
superbravely
superbraveness
superbrute
superbuild
superbungalow
superbusily
superbusy
supercabinet
supercalender
supercallosal
supercandid
supercandidly
supercandidness
supercanine
supercanonical
supercanonization
supercanopies
supercanopy
supercapabilities
supercapability
supercapable
supercapableness
supercapably
supercapital
supercaption
supercarbonate
supercarbonization
supercarbonize
supercarbureted
supercargo
supercargoes
supercargos
supercargoship
supercarpal
supercarrier
supercatastrophe
supercatastrophic
supercatholic
supercatholicly
supercausal
supercation
supercavitation
supercede
superceded
supercedes
superceding
supercelestial
supercelestially
supercensure
supercentral
supercentrifuge
supercerebellar
supercerebral
supercerebrally
superceremonious
superceremoniously
superceremoniousness
supercharge
supercharged
supercharger
superchargers
supercharges
supercharging
superchemical
superchemically
supercherie
superchery
superchivalrous
superchivalrously
superchivalrousness
supercicilia
supercilia
superciliary
superciliosity
supercilious
superciliously
superciliuousness
supercilium
supercity
supercivil
supercivilization
supercivilized
supercivilly
superclaim
superclass
superclassified
supercloth
supercluster
supercoincidence
supercoincident
supercoincidently
supercolossal
supercolossally
supercolumnar
supercolumniation
supercombination
supercombing
supercommendation
supercommentaries
supercommentary
supercommentator
supercommercial
supercommercially
supercommercialness
supercompetition
supercomplete
supercomplex
supercomplexities
supercomplexity
supercomprehension
supercompression
supercomputer
supercomputer's
supercomputers
superconception
superconduct
superconducting
superconduction
superconductive
superconductivity
superconductor
superconductors
superconfidence
superconfident
superconfidently
superconfirmation
superconformable
superconformableness
superconformably
superconformist
superconformity
superconfused
superconfusion
supercongested
supercongestion
superconscious
superconsciousness
superconsecrated
superconsequence
superconsequency
superconservative
superconservatively
superconservativeness
superconstitutional
superconstitutionally
supercontest
supercontribution
supercontrol
supercool
supercooled
supercordial
supercordially
supercordialness
supercorporation
supercow
supercredit
supercrescence
supercrescent
supercetaceous
supercrime
supercriminal
supercriminally
supercritic
supercritical
supercritically
supercriticalness
supercrowned
supercrust
supercube
supercultivated
superculture
supercurious
supercuriously
supercuriousness
supercycle
supercynical
supercynically
supercynicalness
superdainty
superdanger
superdebt
superdeclamatory
superdecorated
superdecoration
superdeficit
superdeities
superdeity
superdejection
superdelegate
superdelicate
superdelicately
superdelicateness
superdemand
superdemocratic
superdemocratically
superdemonic
superdemonstration
superdensity
superdeposit
superdesirous
superdesirously
superdevelopment
superdevilish
superdevilishly
superdevilishness
superdevotion
superdiabolical
superdiabolically
superdiabolicalness
superdicrotic
superdifficult
superdifficultly
superdiplomacy
superdirection
superdiscount
superdistention
superdistribution
superdividend
superdivine
superdivision
superdoctor
superdominant
superdomineering
superdonation
superdose
superdramatist
superdreadnought
superdubious
superdubiously
superdubiousness
superduper
superduplication
superdural
superdying
superearthly
supereconomies
supereconomy
supered
superedification
superedify
supereducated
supereducation
supereffective
supereffectively
supereffectiveness
supereffluence
supereffluent
supereffluently
superego
superego's
superegos
superelaborate
superelaborately
superelaborateness
superelastic
superelastically
superelated
superelation
superelagation
superelagacies
superelagancy
superelagant
superelagantly
superelementary
superelavate
superelavated
superelevation
supereligibility
supereligible
supereligibleness
supereligibly
supereloquence
supereloquent
supereloquently
supereminence
supereminency
supereminent
supereminently
superemphasis
superemphasize
superemphasized
superemphasizing
superempirical
superencipher
superencipherment
superendorse
superendorsed
superendorsement
superendorsing
superendow
superenergetic
superenergetically
superenforcement
superengrave
superengraved
superengraving
superenrollment
superepic
superepoch
superequivalent
supererogant
supererogantly
supererogate
supererogated
supererogating
supererogation
supererogative
supererogator
supererogatorily
supererogatory
superespecial
superessential
superessentially
superessive
superestablish
superestablishment
supereternity
superether
superethical
superethically
superethicalness
superethmoidal
superette
superevangelical
superevangelically
superevidence
superevident
superevidently
superexacting
superexalt
superexaltation
superexaminer
superexceed
superexceeding
superexcellence
superecellency
superecellent
superecellently
superexceptional
superexceptionally
superexcitation
superexcited
superexcitement
superexcrescence
superexcrescent
superexcrescently
superexert
superexertion
superexiuity
supereexist
supereexistent
supereexpand
supereexpansion
supereexpectation
supereexpenditure
supereexplicit
supereexplicitly
supereexport
supereexpression
superepressive
superepressively
superepressiveness
superexquisite
superexquisitely
superexquisiteness
superextend
superextension
superextol
superextoll
superextreme
superextremely
superextremeness
superextremities
superextremity
superfamilies
superfamily
superfancy
superfantastic
superfantastically
superfam
superfat
superfecta
superfecundation
superfecundity
superfee
superfemale
superfeminine
superfemininity
superfervent
superfervently
superfetate
superfetated
superfetation
superfete
superfeudation
superfibrination
superfice
superficial
superficialism
superficialist
superficialities
superficiality
superficialize
superficially
superficialness
superficiaries
superficiary
superficie
superficies
superfidel
superfinance
superfinanced
superfinancing
superfine
superfineness
superfinical
superfinish
superfinite
superfinitely
superfiniteness
superfissure
superfit
superfitted
superfitting
superfix
superfixes
superfleeet
superflexion
superfluent
superfluid
superfluidity
superfluittance
superfluities
superfluity
superfluity's
superfluous
superfluously
superfluousness
superflux
superfoliaceous
superfoliation
superfolies
superfolly
superformal
superformally
superformalness
superformation
superformidable
superformidableness
superformidably
superfortunate
superfortunately
superfriendly
superfrontal
superfructified
superfulfill
superfulfillment
superfunction
superfunctional
superfuse
superfused
superfusibility
superfusible
superfusing
superfusion
supergaiety
supergalactic
supergalaxies
supergalaxy
supergallant
supergallantly
supergallantness
supergene
supergeneric
supergenerically
supergenerosity
supergenerous
supergenerously
supergenual
supergiant
superglacial
superglorious
supergloriously
supergloriousness
superglottal
superglottally
superglottic
supergoddess
supergoodness
supergovern
supergovernment
supergraduate
supergrant
supergratification
supergratified
supergratify
supergratifying
supergravitate
supergravitated
supergravitating
supergravitation
supergroup
supergroups
superguarantee
superguaranteed
superguaranteeing
supergun
supergyre
superhandsome
superheartily
superheartiness
superhearty
superheat
superheated
superheatedness
superheater
superheating
superheavy
superhelix
superheresies
superheresy
superhero
superheroes
superheroic
superheroically
superhet
superheterodyne
superhigh
superhighway
superhighways
superhirudine
superhistoric
superhistorical
superhistorically
superhive
superhuman
superhumanity
superhumanize
superhumanized
superhumanizing
superhumanly
superhumanness
superhumeral
superhypocrite
uperi
uperial
uperideal
uperideally
uperidealness
uperignorant
uperignorantly
uperillustrate
uperillustrated
uperillustrating
superillustration
superimpend
superimpending
superimpersonal
superimpersonally
superimplied
superimply
superimplying
superimportant
superimportantly
superimposable
superimpose
superimposed
superimposes
superimposing
superimposition
superimpositions
superimposure
superimpregnated
superimpregnation
superimprobable
superimprobableness
superimprobably
superimproved
superincentive
superinclination
superinclusive
superinclusively
superinclusiveness
superincomprehensible
superincomprehensibleness
superincomprehensibly
superincrease
superincreased
superincreasing
superincumbence
superincumbency
superincumbent
superincumbently
superindependence
superindependent
superindependently
superindiction
superindictment
superindifference
superindifferent
superindifferently
superindignant
superindignantly
superindivial
superindivialism
superindivialist
superindivially
superinduce
superinduced
superinducement
superinducing
superinduct
superinduction
superindue
superindulgence
superindulgent
superindulgently
superindustries
superindustrious
superindustriously
superindustriousness
superindustry
superinenarrable
superinfection
superinfer
superinferrence
superinferred
superinferring
superinfeudation
superinfinitely
superinfiniteness
superinfirmites
superinfirmitiy
superinfluence
superinfluenced
superinfluencing
superinformal
superinformalities
superinformality
superinformally
superinfuse
superinfused
superinfusing
superinfusion
supering
superingenious
superingeniously
superingeniousness
superingenenuities
superior
superior's
superioress
superiorities
superiority
superiorly
superiorness
superiors
superiorship
superirritability
superius
superjacent
superjet
superjets
superjoined
superjudicial
superjudicially
superjunction
superjurisdiction
superjustification
superknowledge
superl
superlabial
superlaborious
superlaboriously
superlaboriousness
superlactation
superlains
superlapses
superlapsesarian
superlaryngeal
superlaryngeally
superlation
superlative
superlatively
superlativeness
superlatives
superlay
superlenient
superleniently
superlie
superlied
superlies
superlikelihood
superline
superliner
superload
superlocal
superlocally
superlogical
superlogicalities
superlogicality
superlogically
superloyal
superloyally
superlucky
superlunar
superlunary
superlunatical
superluxurious
superluxuriously
superluxuriousness
superlying
supermagnificent
supermagnificently
supermalate
supermale
superman
supermanhood
supermanifest
supermanism
supermanliness
supermanly
supermannish
supermarginal
supermarginally
supermarine
supermarket
supermarket's
supermarkets
supermarvelous
supermarvelously
supermarvelousness
supermasculine
supermasculinity
supermaterial
supermathematical
supermathematically
supermaxilla
supermaxillary
supermechanical
supermechanically
supermedial
supermedially
supermedicine
supermediocre
supermen
supernaturalize
supernaturalized
supernaturalizing
supernaturally
supernaturalness
supernature
supernecessities
supernecessity
supernegligence
supernegligent
supernegligently
supernormal
supernormality
supernormally
supernormalness
supernotable
supernotableness
supernotably
supernova
supernovae
supernovas
supernuity
supernumeral
supernumeraries
supernumerariness
supernumerator
supernumerary
supernumeraryship
supernumerous
supernumerously
supernumerousness
supernutrition
superoanterior
superobedience
superobedient
superobediently
superobese
superobject
superobjection
superobjectionable
superobjectionably
superobligation
superobstinate
superobstinately
superobstinateness
superoccipital
superoctave
superocular
superocularly
superodorsal
superoexternal
superoffensive
superoffensively
superoffensiveness
superofficious
superofficiously
superofficiousness
superofrontal
superointernal
superolateral
superomedial
superoposterior
superopposition
superoptimal
superoptimist
superoratorical
superoratorically
superorbital
superordain
superorder
superordinal
superordinary
superordinate
superordinated
superordinating
superordination
superorganic
superorganism
superorganization
superorganize
superornament
superornamental
superornamentally
superosculate
superoutput
superovulation
superoxalate
superoxide
superoxygenate
superoxygenated
superoxygenating
superoxygenation
superparamount
superparasite
superparasitic
superparasitism
superparliamentary
superparticular
superpartient
superpassage
superpatience
superpatient
superpatiently
superpatriot
superpatriotic
superpatriotically
superpatriotism
superperfect
superperfection
superperfectly
superperson
superpersonal
superpersonalism
superpersonally
superpetrosal
superpetrous
superphlogisticate
superphlogistication
superphosphate
superphysical
superphysicalness
superphysicposed
superphysicposing
superpiety
superpigmentation
superpious
superpiously
superpiousness
superplant
superplausible
superplausibleness
superplausibly
superplease
superplus
superpolite
superpolitely
superpoliteness
superpolitic
superpolymer
superponderance
superponderancy
superponderant
superpopulated
superpopulatedly
superpopulatedness
superpopulation
superposable
superpose
superposed
superposes
superposing
superposition
superpositions
superpositive
superpositively
superpositiveness
superposition
superpower
superpowered
superpowers
superpraise
superpraised
superpraising
superprecarious
superprecariously
superprecariousness
superprecise
superprecisely
superpreciseness
superprelatical
superpreparation
superprepared
superpressure
superprinting
superprobability
superproduce
superproduced
superproducing
superproduction
superproportion
superprosperous
superpublicity
superpure
superpurgation
superpurity
superquadrupetal
superqualified
superqualify
superqualifying
superquote
superquoted
superquoting
superrace
superradical
superradically
superradicalness
superrational
superrationally
superreaction
superrealism
superrealist
superrefine
superrefined
superrefinement
superrefining
superreflection
superreform
superreformation
superrefraction
superregal
superregally
superregeneration
superregenerative
superregistration
superregulation
superreliance
superremuneration
superrenal
superrequirement
superrespectability
superrespectable
superrespectableness
superrespectably
superresponsibility
superresponsible
superresponsibleness
superresponsibly
superrestriction
superreward
superrheumatized
superrighteous
superrighteously
superrighteousness
superromantic
superromantically
superroyal
supers
supersacerdotal
supersacerdotally
supersacral
supersacred
supersacrifice
supersafe
supersafely
supersafeness
supersafety
supersagacious
supersagaciously
supersagaciousness
supersaint
supersaintly
supersalesman
supersalesmanship
supersalesmen
supersaliency
supersalient
supersalt
supersanction
supersanguine
supersanguinity
supersanity
supersarcasm
supersarcastic
supersarcastically
supersatisfaction
supersatisfied
supersatisfy
supersatisfying
supersaturate
supersaturated
supersaturates
supersaturating
supersaturation
superscandal
superscandalous
superscandalously
superscholarly
superscientific
superscientifically
superscribe
superscribed
superscribes
superscribing
superscript
superscripted
superscripting
superscription
superscriptions
superscripts
supersensualistic
supersensuality
supersensually
supersensuous
supersensuously
supersensuousness
supersentimental
supersentimentally
superseptal
superseptuaginarian
superseraphic
superseraphical
superseraphically
superserious
superseriously
superserialousness
superservice
superserviceable
superserviceableness
superserviceably
supersesquitertial
supersession
supersessive
superset
superset's
supersets
supersevere
superseverely
supersevereness
superseverity
supersex
supersexes
supersexual
supershipment
supersignificant
supersignificantly
supersilent
supersilently
supersimplicity
supersimplified
supersimplify
supersimplifying
supersincerity
supersingular
superpersistent
superseize
superseize
superseizably
superseizable
superseizably
superseizable
supersmartness
supersocial
supersoil
supersolar
supersolemn
supersolemnness
supersolemnity
supersolemnly
supersolemnness
supersolicit
supersolicitation
supersolid
supersonant
supersonic
supersonically
supersonics
supersovereign
supersovereignty
superspecialize
superspecialized
superspecializing
superspecies
superspecification
supersphenoid
supersphenoidal
superspinous
superspiritual
superspirituality
superspiritually
supersquamosal
superstage
superstamp
superstandard
superstar
superstate
superstatesman
superstatesmen
superstimulate
superstimulated
superstimulating
superstimulation
superstition
superstition's
superstitionist
superstitionless
superstitions
superstitious
superstitiously
supersulphate
supersulphuret
supersulphureted
supersulphurize
supersulphurized
supersulphurizing
supersuperabundance
supersuperabundant
supersuperabundantly
supersuperb
supersuperior
supersupremacy
supersupreme
supersurprise
supersuspicion
supersuspicious
supersuspiciously
supersuspiciousness
supersweet
supersweetly
supersweetness
supersympathetic
supersympathies
supersympathy
supersyndicate
supersystem
supertanker
supertare
supertartrate
supertax
supertaxation
supertaxes
supertemporal
supertempt
supertemptation
supertension
superterranean
superterraneous
superterrene
superterrestrial
superterrestrial
superthorough
superthoroughly
superthoroughness
superthyroidism
supertolerance
supertonic
supertotal
supertower
supertrogeries
supertrogy
supertragic
supertragical
supertragically
supetrain
supetramp
supetranscendent
supetranscendently
supetranscendentlessness
supertreason
supetrivial
supetuchun
supertunic
supertutelary
supeugly
supultrafrostified
supunfit
supunit
supunity
supuniversal
supuniversally
supuniversalness
supuniverse
supurgency
supurgent
supurgently
supuser
sup valuable
supervalued
supervaluing
supervast
supervastly
supervastness
supervene
supervened
supervenes
supervenience
supervenient
supervening
supervenosity
supervention
supervestment
supervexation
supervictories
supervictorious
supervictoriously
supervictoriousness
supervictory
supervigilance
supervigilant
supervigilantly
supervigorous
supervigorously
supervigorousness
supervirulent
supervirulently
supervisal
supervisance
supervise
supervised
supervisee
supervises
supervising
supervision
supervisionary
supervisive
supervisor
supervisor's
supervisorial
supervisors
supervisorship
supervisory
supervisive
supervisual
supervisually
supervisure
supervital
supervitality
supervitally
supervitalness
supervive
supervolition
supervoluminous
supervoluminously
supervolute
superwager
superwealthy
superweening
superwise
superwoman
superwomen
superworldliness
superworldly
superwrought
superyacht
superzealous
superzealously
superzealousness
supes
supinate
supinated
supinates
supinating
supination
supinator
supine
supinely
supineness
supines
supinity
suplex
supervisory
supp
suppable
suppage
supped
suppedanea
suppedaneous
suppedaneum
suppedit
suppeditate
suppeditation
supper
supper's
suppering
supperless
suppers
suppertime
supperward
supperwards
supping
suppl
supplace
supplant
supplantation
supplanted
supplanter
supplanters
supplanting
supplantment
supplants
supple
suppled
supplejack
supplely
supplement
supplemental
supplementally
supplementals
supplementaries
supplementarily
supplementary
supplementation
supplemented
supplementer
supplementing
supplements
suppleness
suppler
supplies
supplest
suppletion
suppletive
suppletively
suppletories
suppletorily
suppletory
suppliable
suppial
suppliance
suppliances
suppliancy
suppliant
suppliantly
suppliantness
suppliants
supplicancy
supplicant
supplicantly
supplicants
supplicat
supplicate
supplicated
suppicates
supplicating
supplicatingly
supplication
supplicationer
suppuration
suppurations
suppurative
suppuratory
supputation
suppute
supr
supra
suprabasidorsal
suprabranchial
suprabuccal
supracaeal
supracargo
supracaudal
supracensorious
supracentenarian
suprachoroid
suprachorioidal
suprachorioidea
suprachoroid
suprachoroidal
suprachoroidea
supraciliary
supraclavicle
supraclavicular
suprachlossion
supracommissure
suprachondensation
suprachondritic
suprachondrulate
suprachondrulose
suprachondrosis
suprachondrosic
suprachondrosis
suprachondrosite
suprachondrosium
suprachondrosus
suprachondrotric
suprachondrite
suprachondrotic
suprachondrotin
suprachondrotose
suprachondrotous
suprachondrosis
suprachondrosite
suprachondrosium
suprachondrosus
suprachondrotic
suprachondrotin
suprachondrotose
suprachondrotous
suprachondrosis
suprachondrosite
suprachondrosium
suprachondrosus
suprachondrotic
suprachondrotin
suprachondrotose
suprachondrotous
supraglottal
supraglottic
supragovernmental
suprahepatic
suprahistorical
suprahuman
suprahumanity
suprahyoid
suprailiac
suprailium
supraintellectual
suprainterdorsal
suprajural
supralabial
supralapsarian
supralapsarianism
supralateral
supralegal
supraliminal
supraliminally
supralinear
supralittoral
supralocal
supralocally
supraloral
supralunar
supralunary
supramammary
supramarginal
supramarine
supramastoid
supramaxilla
supramaxillary
supramaximal
suprameatal
supramechanical
supramedial
supramental
supramolecular
supramoral
supramortal
supramundane
supranasal
supranational
supranationalism
supranationalist
supranationality
supranatural
supranaturalism
supranaturalist
supranaturalistic
supranature
supranervian
supraneural
supranormal
supranuclear
supraoccipital
supraocclusion
supraocular
supraoesophageal
supraraesophageal
supraoptimal
supraoptional
supraoral
supraorbital
supraorbitar
supraordinary
supraordinate
supraordination
supraorganism
suprapapillary
suprapedal
suprapharyngeal
supraposition
supraprotest
suprapubian
suprapubic
suprapygal
supraquantivalence
supraquantivalent
suprarational
suprarationalism
suprarationality
suprarenal
suprarenalectomize
suprarenalectomy
suprarenalin
suprarenin
suprarenine
suprarimal
suprasaturate
suprascapula
suprascapular
suprascapulary
suprascript
suprasegmental
suprasensible
suprasensitive
suprasensual
suprasensuous
supraseptal
suprasolar
suprasoriferous
suprasphanoidal
supraspinal
supraspinate
supraspinatus
supraspinous
suprasquamosal
suprastandard
suprastapedial
suprastate
suprasternal
suprastigmal
suprasubtle
supratemporal
supraterraneou
supraterrestrial
suprathoracic
supratonsillar
supratrochlear
supratropical
supratympanic
supravaginal
supraventricular
supraversion
supravise
supravital
suprivitally
supraworld
supremacies
supremacist
supremacists
supremacy
suprematism
suprematist
supreme
supremely
supremeness
supremers
supremest
supremities
supremity
supremo
supremum
suprerogative
suppressed
suprising
sups
supt
suption
supulchre
supvr
suq
sur
sura
suraddition
surah
surahsee
surahee
surahi
surahs
sural
suralimentation
suramin
suranal
surance
surangular
suras
surat
surbase
surbased
surbasement
surbases
surbate
surbater
surbed
surbedded
surbedding
surcease
surceased
surceases
surceasing
surcharge
surcharged
surcharger
surchargers
surcharges
surcharging
surcingle
surcinged
surcingles
surcingling
surcle
surcloy
surcoat
surcoats
surcrue
surculi
surculigerous
surculose
surculous
surculus
surd
surdation
surdeline
surdent
surdimutism
surdity
surdomute
surds
sure
surebuttered
sured
surefire
surefooted
surefootedly
surefootedness
surely
surement
sureness
surenesses
surer
sures
suresby
surest
sureties
surette
surety
suretyship
surexcitation
surf
surfable
surface
surfaced
surfacedly
surfaceless
surfacy
surfaceman
surfacemen
surfy
surg
surge
surged
surgeful
surgeless
surgency
surgent
surgeon
surgeon's
surgeoncies
surgeoncy
surgeoness
surgeonfish
surgeonfishes
surgeonless
surgeons
surgeonship
surgeproof
surger
surgeries
surgerize
surgers
surgery
surges
surgical
surgically
surgicotherapy
surgier
surgiest
surginess
surging
surgery
surhai
suricat
suricate
suricatic
suriga
surinam
surinamine
surique
surjection
surjective
surlier
surliest
surlily
surliness
surly
surma
surmark
surmaster
surmenage
surmisable
surmisal
surmisant
surmise
surmised
surmisedly
surmiser
surmisers
surmises
surmising
surmit
surmount
surmountability
surmountable
surmountableness
surmountal
surmounted
surmounter
surmounting
surmounts
surmullet
surmullets
surnai
surname
surname's
surnamed
surnamer
surnamers
surnames
surnaming
surnap
surnape
surnay
surnominal
surnoun
surpass
surpassable
surpassed
surpasser
surpasses
surpassing
surpassingly
surpassingness
surpeopled
suspend
suspended
suspender
suspender's
suspenderless
suspenders
suspendibility
suspendible
suspending
suspects
suspension
suspense
suspenseful
suspensefulness
suspensely
suspenses
suspensibility
suspendible
suspension
suspensions
suspensive
suspensively
suspensiveness
suspensoid
suspensor
suspensoria
suspensorial
suspensors
suspensorium
sensory
susperrcollate
suspicable
suspicion
suspicion's
suspicionable
suspicionable
suspicionable
suspicional
suspicioned
suspicionful
suspicioning
suspicionless
suspicions
suspicions
suspicious
suspiciously
suspiciousness
suspiral
suspilation
suspilation
suspitational
suspitational
suspitational
suspitational
suspitational
suspitational
suspitational
suspitational
suspire
suspired
suspires
suspiring
suspirious
suss
sussex
sussexite
susso
sussultatory
sussultorial
sussy
sustain
sustainable
sustained
sustainedly
sustainer
sustaining
sustainingly
sustainment
sustains
sustanedly
sustenance
sustenanceless
sustenant
sustentacula
sustentacular
sustentaculum
sustentate
sustentation
sustentational
sustentative
sustentator
sustention
sustentive
sustentor
sustinent
susu
susurr
susurrant
susurrate
susurrated
susurrating
susurration
susurrations
susurrringly
susurrous
susurrus
suzuki
sv
svabite
svamin
svarabhakti
svarabhaktic
svaraj
svarajes
svarajs
svastika
sve
svce
svedberg
svedbergs
svelt
svelte
sveltely
svelteness
svelter
sveltest
svengali
svgs
sviatonosite
sw
swa
swab
swabbed
swabber
swabberly
swabbers
swabbie
swabbies
swabbing
swamble
swabby
swabian
swabs
swack
swacked
swacken
swacking
swad
swadder
swaddish
swaddle
swaddlebill
swaddled
sw addler
swandown
swanflower
swang
swangy
swanherd
swanherds
swanhood
swanimote
swan
swanked
swanker
swankest
swankey
swankie
swankier
swankiest
swankily
swankiness
swanking
swankness
swankpot
swanks
swanky
swanlike
swanmark
swanmarker
swanmarking
swanmote
swanneck
swannecked
swanned
swanner
swanneries
swannery
swannet
swanning
swannish
swanny
swanpan
swanpans
swans
swansdown
swanskin
swanskins
swanweed
swanwort
swap
swape
swapped
swapper
swappers
swapping
swaps
swaraj
swarajes
swarajism
swarajist
swarbie
sward
swarded
swarding
swards
swardy
ware
warf
warfer
warfs
warga
warm
warmed
warmer
warmers
swarming
swarmingness
warms
warmy
warry
wart
wartback
wart
wartier
warthier
warthiest
warthily
warthiness
warthiness
warths
warthy
wartish
wartly
wartness
wartness
swartrutter
swartrutting
swarty
swartzite
swarve
swash
swedes
swedge
swedger
swedish
swedru
sweenies
sweens
sweeny
sweep
sweepable
sweepage
sweepback
sweepboard
sweepdom
sweeper
sweeperess
sweepers
sweepforward
sweepier
sweepiest
sweeping
sweepingly
sweepingness
sweepings
sweeps
sweepstake
sweepstakes
sweepup
sweepwasher
sweepwashings
sweepy
sweer
sweered
sweert
sweese
sweeswee
sweet
sweetbells
sweetberry
sweetbread
sweetbreads
sweetbriar
sweetbrier
sweetbriers
sweetbriery
sweetclover
sweeten
sweetened
sweetener
sweeteners
sweetening
sweetenings
sweetens
sweeter
sweetest
sweetfish
sweetful
sweetheart
sweetheart's
sweetheartdom
sweethearted
sweetheartedness
sweethearting
sweethearts
sweetheartship
sweetie
sweeties
sweetiewife
sweeting
sweetings
sweetish
sweetishly
sweetishness
sweetkins
sweetleaf
sweetless
sweetlike
sweetling
sweetly
sweetmaker
sweetman
sweetmeal
sweetmeat
sweetmeats
sweetmouthed
sweetness
sweetroot
sweets
sweetshop
sweetsome
sweetsope
sweetsope
sweetwater
sweetweed
sweetwood
sweetwort
sweety
swego
swelchie
swell
swellage
swelldom
swelldoodle
swelled
sweller
swellest
swellfish
swellfishes
swellhead
swellheaded
swellheadedness
swellheads
swelling
swellings
swellish
swellishness
swellmobsman
swellness
swells
swelltoad
swelly
swelp
swelt
swelter
sweltered
swelterer
sweltering
swelteringly
swelters
swelth
sweltier
sweltiest
sweltry
swelty
sweep
swept
sweptback
sweptwing
swerd
swervable
swerve
swerved
swerveless
swerver
swervers
swerves
swervily
swerving
sweven
swevens
swick
swidden
swidge
swift
swiften
swifter
swifters
swiftest
swiftfoot
swiftian
swiftie
swiftlet
swiftlier
swiftliest
swiftlike
swiftly
swiftness
swifts
swifty
swig
swigged
swigger
swiggers
swigging
swiggle
swigs
swile
swilkie
swill
swillbelly
swillbowl
swilled
swiller
swillers
swilling
swillpot
swills
swilltub
swim
swimbel
swimmable
swimmer
swimmer's
swimmeret
swimmerette
swimmers
swimmier
swimmiest
swimmily
swimminess
swimming
swimmingly
swimmingness
swimmings
swimmist
swimmy
swims
swimsuit
swimsuits
swimy
swindle
swindleable
swindled
swindledom
swindler
swindlers
swindlership
swindlery
swindles
swindling
swindlingly
swine
swinebread
swinecote
swinehead
swineherd
swineherdship
swinehood
swinehull
swinelike
swinely
swinepipe
swinepox
swinepoxes
swinery
swinestone
swinesty
swiney
swing
swingable
swordfisherman
swordfishery
swordfishes
swordfishing
swordgrass
swordick
swording
swordknot
swordless
swordlet
swordlike
swordmaker
swordmaking
swordman
swordmanship
swordmen
swordplay
swordplayer
swordproof
words
swordslipper
swordssman
swordsmanship
swordsmen
swordsmith
swordster
swordstick
swordswoman
swordtail
swordweed
swore
sworn
swosh
swot
swots
swotted
swotter
swotters
swotting
swough
swoun
swoun
swoun
swoun
swoun
sycophancies
sycophancy
sycophant
sycophantic
sycophantical
sycophantically
sycophantish
sycophantishly
sycophantism
sycophantize
sycophantly
sycophantry
sycophants
sycoses
sycosiform
sycosis
syddir
sydney
sye
syed
syenite
syenites
syenitic
syenodiorite
syenogabbro
syftn
syke
sykerly
sykes
syl
sylene
sylid
syling
sylistically
syl
syllab
syllabaria
syllabaries
syllabarium
syllabary
syllabatim
syllabation
syllabe
syllabi
syllabic
syllabical
syllabically
syllabicate
syllogization
syllogize
syllogized
syllogizer
syllogizing
sylph
sylphic
sylphid
sylphidine
sylphids
sylphine
sylphish
sylphize
sylphlike
sylphs
sylphy
sylva
sylvae
sylvage
sylvan
sylvanesque
sylvanite
sylvanianic
sylvanity
sylvanize
sylvanly
sylvanry
sylvans
sylvas
sylvate
sylvatic
sylvatical
sylvester
sylvestral
sylvestrene
sylvestrian
sylvia
sylvian
sylvic
sylvicoline
sylviculture
sylviid
sylviine
sylvin
sylvine
sylvines
sylvinite
sylvins
sylvite
sylvites
sylvius
sym
symbasic
symbasical
symbasically
symbasis
symbiogenesis
symbiogenetic
symbiogenetically
symbion
symbionic
symbions
symbiont
symbiotic
symbioticism
symbiotics
symbiota
symbiotes
symbiotic
symbiotical
symbiotically
symbiotics
symbiotism
symbiotrophic
symbiots
symblepharon
symbol
symbol's
symbolaeography
symbolater
symbolatrous
symbolatry
symboled
symbolic
symbolical
symbolically
symbolicalness
symbolicly
symbolics
symboling
symbolisation
symbolise
symbolised
symbolising
symbolism
symbolisms
symbolist
symbolistic
symbolistical
symbolistically
symbolization
symbolizations
symbolize
symbolized
symbolizer
symbolizes
symbolizing
symbolled
symbolling
symbolofideism
symbolological
symbolologist
symbolography
symbolology
symbololatry
symbolology
symbolry
symbols
symbolum
symbolouleptic
symbranch
symbranchiate
symbranchoid
symbranchous
symmachy
symmedian
symmelia
symmelian
symmelus
symmetalism
symmetallism
symmetral
symmetrian
symmetric
symmetrical
symmetricality
symmetrically
symmetricalness
symmetries
symmetrisation
symmetrise
symmetrisation
symmetriser
symmetrising
symmetric
symmetrical
symmetricalness
symmetry
symmetry's
symmetric's
symmetric'ss
symmetric'ss's
symmetric'ss'ss
symmetric'ss'ss's
symmetric'ss'ss's's
symmetric'ss'ss's's's
symmetric'ss'ss's's's's
symmetric'ss'ss's's's's's
symmetric'ss'ss's's's's's's
symmetric'ss'ss's's's's's's's
symmetric'ss'ss's's's's's's's's
symmetric'ss'ss's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's's's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's's's's's's's's's's's's
symmetric'ss'ss's's's's's's's's's's's's's's's's's's's's's'
sympathizes
sympathizing
sympathizingly
sympathoblast
sympatholysis
sympatholytic
sympathomimetic
sympathy
sympathy's
sympatric
sympatrically
sympatrics
sympaty
sympetalous
sympetalal
sympetah
sympetahome
sympetahenom
sympetahomenomal
sympetahile
sympetilic
sympetilism
sympetilous
sympetily
sympetogenous
sympetonomic
sympetonette
sympetonia
sympetonic
sympetonicaly
sympetonomies
sympetonium
sympetonious
sympetoniously
sympetonisation
sympetonise
sympetonised
sympetonising
sympetonist
sympetonization
sympetontize
sympetontized
sympetontizing
sympetontous
sympetony
sympetony's
sympetoreticarpous
sympetrase
sympetronistic
sympetphantherous
symposisia
symposisiums
symposium
symposiums
sympossia
symptom
symptom’s
symptomatic
symptomatical
symptomatically
symptomaticness
symptomatics
symptomatize
symptomatography
symptomatologic
symptomatological
symptomatologically
symptomatologies
symptomatology
symptomical
symptomize
symptomless
symptomology
symptoms
symptosis
sympus
symtab
symtomology
syn
synacme
synacmic
synacmy
synactic
synadelphite
synaeresis
synaesthesia
synaesthesia
synaesthetic
synagog
synagogal
synagogian
synagogical
synagogism
synagogist
synagogs
synagogue
synagogues
synalepha
synalephe
synalgia
synalgic
synallactic
synallagmatic
synallaxine
synaloepha
synaloephe
synanastomosis
synange
synangia
synangial
synangic
synangium
synanthema
synantherological
synantherologist
synantherology
synantherous
synanthesia
synanthetic
synanthetic
synanthy
synaphe
synaphea
synapheia
synaposematic
synapse
synapse's
synapsed
synapses
synapsid
synapsidan
synapsing
synapsis
synaptai
synaptase
synapte
synaptene
synapterous
synaptic
synapical
synaptically
synapticula
synapticulae
synapticular
synapticulate
synapticulum
synaptid
synaptosomal
synaptosome
synaptychus
synarchical
synarchism
synarchy
synarmogoid
synarquism
synarces
synartesis
synartete
synartetic
synarthrodia
synarthrodial
synarthrodially
synarthroses
synarthrosis
synascidian
synastray
synaxar
synaxaria
synaxaries
synaxarion
synaxarist
synaxarium
synaxary
synaxaxaria
synaxes
synaxis
sync
syncarp
syncarpi
syncarpies
syncarpium
syncarpous
syncarps
syncarp
syncaryon
syncategorem
syncategorematic
syncategorematical
syncategorematically
syncategoreme
synced
syncellus
syncephalic
syncephalus
syncerebral
syncerebrum
synch
synched
synching
synchitic
synchronodoses
synchronodosial
synchronodrially
synchronodrosis
synchronodrotomy
synchoresis
synchro
synchrocyclotron
synchroflash
synchromesh
synchronism
synchronist
synchronal
synchronone
synchroneneity
synchronous
synchronical
synchronically
synchronies
synchronisation
synchronise
synchronised
synchroniser
synchronising
synchronism
synchronistic
synchronistical
synchronistically
synchronizable
synchronization
synchronize
synchronized
synchronizer
synchronizers
synchronizes
synchronizing
synchronograph
synchronological
synchronology
synchronoscope
synchronous
synchronously
synchronousness
synchrony
synchros
synchroscope
synchrotron
synchs
synchysis
syncing
syncladous
synclastic
synclinal
synclinally
syncline
synclines
synclinal
synclinal
synclinal
synclinal
synclinorion
synclinorium
synclitic
syncliticism
synclitism
syncoelom
syncom
syncoms
syncopal
syncopare
syncopate
syncopated
syncopates
syncopating
syncopation
syncopations
syncopative
syncopator
syncope
syncopes
syncopic
syncopism
syncopist
syncopize
syncotyledonous
synchrony
synchronerian
synchrony
syncrasy
syncretic
syncretical
syncreticism
syncretion
syncretism
syncretistic
syncretistical
syncretize
syncretized
syncretizing
syncri
syncri

syncrastic
syncri

synscriptic

syncs

synctia

synctial

synctioma

synctiomas

synctiomata

synctium

synd

syndactyl

syndactyle

syndactylia

syndactylus

syndactylous

syndactylism

syndactylous

syndactyly

syndectomy

synderesis

syndeses

syndesisis

syndesmectomy

syndesmies

syndesmitis

syndesmography

syndesmology

syndesmoma

syndesmoplasty

syndesmorhaphy

syndesmoses

syndesmosis

syndesmotic

syndesmotomy
synecious
synecologic
synecological
synecologically
synecology
synecphonesis
synectic
synectically
synecticity
synectics
synedral
synedria
synedrial
synedrian
synedrion
synedrium
synedrous
syneidesis
synema
synemata
synemmenon
synenergistiec
synenergistical
synenergistically
synentognath
synentognathous
synephrine
syneresis
synergastic
synergetic
synergia
synergias
synergic
synergical
synergically
synergid
synergidae
synergidal
synergids
synergies
synergism
synergisms
synergist
synergistic
synergistical
synergistically
synergists
synergize
synergy
synerize
synesis
synesises
synesthesia
synesthetic
synethnic
synetic
synezisis
synfuel
synfuels
syngamic
syngamies
syngamous
syngamy
syngeneic
syngenesia
syngenesian
syngenesious
syngenesis
syngenetic
syngenic
syngenism
syngenite
syngnathid
sygnathoid
sygnathous
syngraph
synizesis
synkaryon
synkaryonic
synkatathesis
synkinesia
synkinesia
synkinetic
synnema
synnemata
synneurosis
synneusis
synocha
synochal
synochoid
synochous
synochus
synocreate
synod
synodal
synodalian
synonymous
synonymously
synonymousness
synonyms
synonymy
synop
synophthalmia
synophthalmus
synopses
synoptic
synopsis
synopsise
synopsised
synopising
synopsize
synopsized
synopsizing
synopsy
synoptic
synoptical
synoptically
synoptist
synoptistic
synorchidism
synorchism
synorthographic
synostology
synosteoses
synosteosis
synostose
synostoses
synostosis
synostotic
synostotical
synostotically
synousiacs
synovectomy
synovia
synovial
synovially
synovias
synoviparous
synovitic
synovitis
synpelmous
synrhabdosome
synsacral
synsacrum
synsepalous
synspermous
synsporous
syntactially
syntactic
syntactical
syntactically
syntactician
syntactics
syntagm
syntagma
syntalities
syntality
syntan
syntasis
syntax
syntaxes
syntaxis
syntaxist
syntechnic
syntectic
syntectical
syntelome
syntenosis
synteresis
syntaxis
syntexis
syntheme
synthermal
syntheses
synthesis
synthesise
synthesism
synthesist
synthesization
synthesize
synthesized
synthesizer
synthesizers
synthesizes
synthesizing
synthetase
synthete
synthetic
synthetical
synthetically
syntheticism
syntheticness
synthetics
synthetisation
synthetise
synthetised
synthetiser
synthetising
synthetism
synthetist
synthetization
synthetize
synthetizer
synthol
synthroni
synthronoi
synthronos
synthronus
syntomia
syntomy
syntone
syntonic
syntonical
syntonically
syntonies
syntonin
syntonisation
syntonise
syntonised
syntonising
syntonization
syntonize
syntonized
syntonizer
syntonizing
syntonoloydian
syntonous
sytony
syntripsis
syntrope
syntrophic
syntrophoblast
syntrophoblastic
syntropic
syntropical
syntropy
syntype
syntypic
syntypicism
synura
synurae
syrupy
syrus
sysin
sysout
syssarcosic
syssarcosis
syssarcotic
syssel
sysselman
syssiderite
syssita
syssitia
syssition
syst
systaltic
systasis
systatic
system
system's
systematic
systematical
systematicality
systematically
systematicalness
systematician
systematicness
systematics
systematisation
systematise
systematised
systematiser
systematising
systematism
systematist
systematization
systematize
systematized
systematizer
systematizes
systematizing
systematology
systematy
systemed
systemic
systemically
systemicals
systemics
systemisable
systemisation
systemise
systemised
systemiser
systemising
systemist
systemizable
systemization
systemize
systemized
systemizer
systemizes
systemizing
systemless
systemoid
systemproof
systems
systemwide
systemwise
systilus
systolated
systole
systoles
systolic
systyle
systylous
syud
syzygal
syzygetic
syzygetically
syzygia
syzygial
syzygies
syzygium
syzygy
szaiybelyite
szlachta
szapelka
t
t'
t'other
t's
ta
ta'en
taa
taal
taar
taata	tab
tabac
tabacco
tabacin
tabacism
tabacosis
tabacum
tabagie
tabagism
taband
tabanid
tabanids
tabaniform
tabaruco
tabard
tabarded
tabardillo
tabards
tabaret
tabarets
tabasco
tabasheer
tabashir
tabatiere
tabaxir
tabbarea
tabbbed
tabber
tabbied
tabbies
tabbinet
tabbings
tabbis
tabbises
tabby
tabbying
tabefaction
tabefy	abel	abelle	abellion	aber	aberder	aberded	aberding	aberna	abernacle	abernacle's	abernacled
tabernacle
tabernacles
tabernacling
tabernacular
tabernae
tabernariae
tabers
tabes	tabescence	tabescent	tabet	tabetic	tabetics	tabetiform	tabetless	tabi	tabic	tabid	tabidly	tabidness	tabific	tabifical	tabinet	tabis	tabitude	tablal	tablas	tablature	table	tableau	tableau's	tableaus
tableaux	tablecloth	tablecloths	tableclothwise	tableclothy	tabled	tablefellow	tablefellowship	tableful	tablefuls	tablehopped	tablehopping	tableity	tableland	tablelands	tableless
<table>
<thead>
<tr>
<th>word</th>
</tr>
</thead>
<tbody>
<tr>
<td>taboparetic</td>
</tr>
<tr>
<td>tabophobia</td>
</tr>
<tr>
<td>tabor</td>
</tr>
<tr>
<td>tabored</td>
</tr>
<tr>
<td>taborer</td>
</tr>
<tr>
<td>taborers</td>
</tr>
<tr>
<td>taboret</td>
</tr>
<tr>
<td>taborets</td>
</tr>
<tr>
<td>taborin</td>
</tr>
<tr>
<td>taborine</td>
</tr>
<tr>
<td>taborines</td>
</tr>
<tr>
<td>taboring</td>
</tr>
<tr>
<td>taborins</td>
</tr>
<tr>
<td>tabors</td>
</tr>
<tr>
<td>tabour</td>
</tr>
<tr>
<td>taboured</td>
</tr>
<tr>
<td>tabourer</td>
</tr>
<tr>
<td>tabourers</td>
</tr>
<tr>
<td>tabouret</td>
</tr>
<tr>
<td>tabourets</td>
</tr>
<tr>
<td>tabourin</td>
</tr>
<tr>
<td>tabourine</td>
</tr>
<tr>
<td>tabouring</td>
</tr>
<tr>
<td>tabours</td>
</tr>
<tr>
<td>tabret</td>
</tr>
<tr>
<td>tabs</td>
</tr>
<tr>
<td>tabstop</td>
</tr>
<tr>
<td>tabstops</td>
</tr>
<tr>
<td>tabu</td>
</tr>
<tr>
<td>tabued</td>
</tr>
<tr>
<td>tabuing</td>
</tr>
<tr>
<td>tabula</td>
</tr>
<tr>
<td>tabulable</td>
</tr>
<tr>
<td>tabulae</td>
</tr>
<tr>
<td>tabular</td>
</tr>
<tr>
<td>tabulare</td>
</tr>
<tr>
<td>tabularia</td>
</tr>
<tr>
<td>tabularisation</td>
</tr>
<tr>
<td>tabularise</td>
</tr>
<tr>
<td>tabularised</td>
</tr>
<tr>
<td>tabularising</td>
</tr>
<tr>
<td>tabularium</td>
</tr>
<tr>
<td>tabularization</td>
</tr>
<tr>
<td>tabularize</td>
</tr>
<tr>
<td>tabularized</td>
</tr>
<tr>
<td>tabularizing</td>
</tr>
<tr>
<td>tabularly</td>
</tr>
<tr>
<td>tabulary</td>
</tr>
</tbody>
</table>
tabulate
tabulated
tabulates
tabulating
tabulation
tabulations
tabulator
tabulator's
tabulators
tabulatory	
tabule
tabuliform
tabus
tablut	
tacahout	
tacamahac
tacamahaca
tacamahack

tacan
taccaceuous
taccada
tace
taces	
tacet	
tach	
tache	
tacheless	
tacheography	
tacheometer	
tacheometric	
tacheometry	
taches	
tachetur	
tachydyrite	
tachi	
tachibana	
tachina	
tachinarian

tachinid	
tachinids	
tachiol	
tachism	
tachisme	
tachisms	
tachist	
tachiste	
tachistes	
tachistoscope
tachyphylaxia
tachyphylaxis
tachypnea
tachypneic
tachypnoea
tachypnoeic
tachyscope
tachysed
tachysterol
tachysystole
tachytylic
tachytyly
tachythanatous
tachytomy
tachytype
tacit
tacitean
tacitely
tacitness
taciturn
taciturnist
taciturnities
taciturnity
taciturnly
tack
tackboard
tacked
tacker
tackers
tacket
tacketed
tackets
tackety
tackey
tackier
tackies
tackiest
tackified
tackifier
tackifies
tackify
tackifying
tackily
tackiness
tacking
tackingly
tackle
tackle's
tackled
tackleless
tackleman	
tackler
tacklers
tackles	
tackless	
tackling
tacklings
tackproof
tacks
tacksman
tacksmen	
tacky
taclocus

tacmahack	
tacnode	
tacnodes
taco	
tacoma	
taconite

taconites	
tacos	
tapont	
tacoso	
tact
tactable

tactful	
tactfully	
tactfulness	
tactic	
tactical	
tactically	
tactician	
tacticians	
tactics
tactile
tactilely
tactilist
tactilities
tactility	
tactilogical	
tactinvariant	
taction	
tactions	
tactite	
tactive	
tactless
tactlessly
tactlessness
 tactoid
tactometer
tactor
tactosol
tacts
tactual
tactualist
tactuality
tactually
tactus
tacuacine
tad
tadbhava
tade
tadpole
tadpoledom
tadpolehood
tadpolelike
tadpoles
tadpolism
tads
tae
tael
taels
taen
taenia
taeniacidal
taeniacide
taeniae
taeniafuge
taenial
taenian
taenias
taeniasis
taeniate
taenicide
taenidia
taenidial
taenidium
taeniform
taenifuge
taeniiform
taeninidia
taenibranchiate
taenioglossate
taeniod
taeniola
taeniosome
taeniosomous
taenite
taennin
taffarel
taffarels
tafferel
tafferels
taffeta
taffetas
taffetized
taffety
taffia
taffias
taffies
taffle
taffrail
taffrails
taffy
taffylike
taffymaker
taffymaking
taffywise	afia
tafias
tafinagh
taft	afwiz
tag
tag's
tagalog
tagalogs
tagalong
tagalongs	agasaste	agatose	agboard	agboards	agel	agetol	agetone	agged	agger	taggers	tagging	taggle	taggy
taiais
taich
taig
taiga
taigas
taiglach
taigle
taiglesome
taihoa
taihana
taih
taikun
tail
tailage
tailback
tailbacks
tailband
tailboard
tailbone
tailbones
tailcoat
tailcoated
tailcoats
tailed
tailender
tailer
tailers
taillet
tailfan	
tailfirst
tailflower
tailforemost
tailgate
tailgated
tailgater
tailgates
tailgating
tailge
tailgunner
tailhead
tailing
tailings
taille
tailles
tailless
taillessly
taillessness
tailleur
taillie
taillight
tailights
taillike
tailloir
tailor
tailorage
tailorbird
tailorcrafa
tailordom
tailored
tailoress
tailorhood
tailoring
tailorism
tailorization
tailorize
tailorless
tailorlike
tailorly
tailorman
tailors
tailorship
tailorwise
tailory
tailpiece
tailpin
tailpipe
tailpipes
tailplane
tailrace
tailraces
tails
tailshaft
tailsheet
tailskid
tailskids
tailsman
tailspin
tailspins
tailstock
tailward
tailwards
tailwater
tailwind
tailwinds
tailwise
taily
tajiki
taka
takable
takahe
takahes
takamaka
takar	take
takeable	takeaway	taked	takedown
takedownable
takedownable
takedown

takeful
takeing
taken
takeoff
takeoffs
takeout
takeouts
takeover
takeovers
taker
takers	takes	taketh	takin	taking	takingly	takingness
takings
takins
takkanah
takosis	takosah	takosia
takrouri	takt	taky	takyr	tal	tala	talabon	talahib	talaje	talak	talalgia	talanton
talao
talapoin
talpoins
talar	
talari
talaria
talaric
talars
talas
talayot
talayoti
talbot
talbotype
talbotypist
talc
taled
talcer
talcing
talk
talcked
talcking
talcky
talclike
talcochlorite
talcoid
talcomicaceous
talcose
talcous	
tales
talcum
talcums
tald
tale	
tale's
talebearer
talebearers
talebearing
talebook
talecarrier
talecarrying
taled
taleful
talegalla
talemaster
talemonger
talemongering
talent
talented
talenter
talliers
tallies
tallis
tallish
tallit
tallith
tallithes
tallithim
tallithoth
tallness
tallnesses
talloel
tallol

tallols
tallote
tallow
tallowberries
tallowberry
tallowed
talower
tallowiness
tallowing
tallowish
tallowlike
tallowmaker
tallowmaking
tallowman
tallowroot
tallows
tallowweed
tallowwood
tallowy
tallwood
tally
tallyho
tallyho'd
tallyhoed
tallyhoing
tallyhos
tallying
tallyman
tallymanship
tallymen
tallyshop
tallywag
tallywalka
tallywoman
tallywomen
talma
talmas
talmouse
talmud
talmudic
talmudical
talmudism
talmudist
talmudists
talocalcaneal
talocalcanean
talocrural
talofibular
talon
talonavicular
taloned
talonic
talonid
talons
talooka
talookas
taloscaphoid
talose
talotibial
talpa
talpacoti
talpatate
talpetate
talpicide
talpid
talpiform
talpify
talpine
talpoid
talshide
taltarum
talter
talthib
taluk
taluka
talukas
talukdar
talukdari
taluks
talus
taluses
taluto
talwar
tambookie
tambor
tambour
tamboura
tambouras
tamboured
tambourer
tambouret
tambourgi
tambourin
tambourinade
tambourine
tambourines
tambouring
tambourins
tambourist
tambours
tambreet
tambur
tambura
tamburan
tamburas
tamburello
tamburitza
tamburone
tamburs
tame
tameability
tameable
tameableness
tamed
tamehearted
tameheartedness
tamein
tameins
tameless
tamelessly
tamelessness
tamely
tamenes
tameness
tamenesses
tamer
tamers
tames
tamest
tamidine
tamil
tamine
taming
taminy
tamis
tamise
tamises
tamlung	tammany
tammar	tammie
tammies	tammock	tammuz
tammy	tamp	tampa	tampala	tampalas	tampan	tam pang	tampans	tamped	tamper	tampered	tam perer	tamperers
tampering	tamperproof	tampers	tampin	tamping	tampion	tampioned	tampions	tam poe	tampon
tamponade	tamponage	tamponed	tamponing	tamponment	tam pons	tam poon	tam poy	tamps	tampur	tams	tamure
tan
tana
tanacetin
tanacetone
tanacetyl
tanach
tanadar
tanager
tanagers
tanagra
tanagraine
tanagroid
tanaist
tanak
atan
tanbark
tanbarks
tanbur	
tancel	
tanchoir
tandan	
tandava
tandem	
tandemer	
tandumist	
tandemize

tandems	
tandemwise	
tandle	
tandoor	
tandoori	
tandour	
tandsticka	
tandstickor

tane	
tanega	
tanekaha

tang	
tanga	
tangalung	
tangantangan	
tanged	
tangeite	
tangelo	
tangelos	
tangence	
tangences	
tangencies
tangency
tangent	
tangent's
tangential
tangentially
tangential
tangentiality
tangentially
tangently
tangents
tanger
tangerine
tangerines
tangfish
tangfishes
tangham
tanghan
tanghin
tanghinin
tangi
tangibile
tangibility
tangible
tangibleness
tangibles
tangibly
tangie
tangier
tangiest
tangile
tangilin	
tanginess
tanging
tangka
tanglad	
tangle
tangleberries
tangleberry
tangled	
tanglefish
tanglefishes
tanglefoot
tanglehead
tanglement
tangleproof
tangler
tangleroot
tanglers
tangles
tanglesome
tangless
tanglewrack
tangier
tangiest
tangling
tanglingly
tangly
tango	
tangoed
tangoing
tangoreceptor
tangos
tangram
tangrams
tangs
tangle
tanguile
tanguin
tangum
tangun
tangy
tanh
tanha
tanhouse	
tania
tanica
tanier
taniko	
taniness	
tanist
tanistic
tanistries	
tanistry	
tanists
tanistship
tanjib
tanjong		
tank	
tanka	
tankage
tankages	
tankah	
tankard	
tankards	
tankas	
tanked
tanker
tankerabogus
tankers
tankert
tankette
tankful
tankfuls
tankie
tanking
tanka	
tankle
tankless
tanklike
tankmaker
tankmaking
tankman
tankodrome
tankroom
tanks
tankship
tankships
tankwise	
tanling
tanna
tannable
tannadar
tannage
tannages		tannaic
tannaim			tannaitic	
tannelbin
tannase
tannate
tannates
tanned
tanner
tanner's
tanneries
tanners
tannery
tannest			tannahuser
tannic
tannid
tannide
tanniferous		
tannigen
tantalizing
tantalizingly
tantalizingness
tantalofluoride
tantalous
tantalum
tantalums
tantalus
tantaluses
tantamount
tantara
tantarabobus
tantarara
tantaras
tantawy	
	anti
tantieme
tantivies
tantivy
tandle	
	tanto
tantony
tantra
tantras
tantric
tantrik
tantrism
tantrist
tantrum
tantrum's
tantrums
tantum
tanwood
tanworks
tanyard
tanyards
tanystomatous
tanystome
tanzania
tanzanian
tanzanians
tanzanite
tanzeb
tanzib
tanzy
tao
taoism
taoist
tapermaker
tapermaking
taperness
tapers	
taperstick	
taperwise	
tapery	
tapes		
tapesium	
tapester	
tapestried	
tapestries	
tapestring	
tapestry	
tapestry's	
tapestrying	
tapestrylike	
tapet	
tapeta	
tapelal	
tapete	
tapeti	
tapetis	
tapetless	
tapetta	
tapetum	
tapework	
tapeworm	
tapeworms	
taphephobia	
taphole	
tapholes	
taphouse	
taphouses	
tapia	
tapidero	
tapincephalism		
taping	
tapings	
tapinocephalic	
tapinocephaly	
tapinophobia	
tapinophoby	
tapinosis	
tapioca	
tapiocas	
tapiolite	
tapir
tapiridian
tapirine
tapiroid
tapirs
tapis
tapiser
tapises
tapism
tapisser
tapisserie
tapissery
tapissier
tapist
tapit
taplash
taplet
tapling
tapmost
tapnet
tapoa
tapotement
tapoun
tappa
tappable
tappableness
tappall
tappaual
tapped
tappen
tapper
tapper's
tapperer
tappers
tapet
tappets
tappietoorie
tapping
tappings
tappish
tappit
tappoon
taproom
taprooms
taproot
taproot's
taprooted
taproots
taps
tapsalteerie
tapsman
tapster
tapsterlike
tapsterly
tapsters
tapstress
tapu
tapul
tapwort
taqlid
taqu

tar
tara
tarabooka
taracahitian
taradiddle
taraf
tarafdar
tarage
tarairi
tarakihi
taramasalata
taramellite
tarand
tarantara
tarantarize
tarantas
tarantases
tarantass
tarantella
tarantelle
tarantism
tarantist
tarantula
tarantulae
tarantular
tarantulary
tarantulas
tarantulated
tarantulid
tarantulism
tarantulite
tarantulous
tarapatch
taraph
tarapin
tarassis
tariric
taririnic
tarish
tarkashi
tarkeean
tarkhan
tarlatan
tarlataned
tarlatans
tarleather
tarletan
tarletans
tarlies
tarlike
tarlonize
tarmac
tarmacadam	
tarmacs
tarman
tarmined	
tarmosined
tarn
tarnal
tarnally
tarnation
tarnish	
tarnishable
tarnished
tarnisher
tarnishes	
tarnishing	
tarnishment	
tarnishproof	
tarnkappe	
tarnlike	
tarns
tarnside
taro
taroc
tarocco
tarocs
tarogato
tarogatos	
tarok	
taroks	
taropatch	
taros	
tarot
tarots
tarp
tarpan
tarpans
tarpaper
tarpapered
tarpapers
tarpaulian
tarpaulin
tarpaulinmaker
tarpaulins
tarpeian
tarpon
tarporns
tarpot
tarps
tarpum
tarr
tarraba
tarrack
tarradiddle
tarradiddler
tarragon
tarragona
tarragons
tarras
tarrass
tarre
tarred
tarrer
tarres
tarri
tarriance
tarrie
tarried
tarrier
tarriers
tarries
tarriest
tarrify
tarrily
tarriness	
tarring
tarrish
tarrock
tarrow
tarry
tarryiest
tarrying
tarryingly
tarryingness
tars
tarsadenitis
tarsal
tarsale
tarsalgia
tarsalia
tarsals
tarse
tarsectomy
tarsectopia
tarsi
tarsia
tarsias
tarsier
tarsiers
tarsioid
tarsitis
tarsochiloplasty
tarsoclasis
tarsomalacia
tarsome
tarsometatarsal
tarsometatarsi
tarsometatarsus
tarsonemid
tarsophalangeal
tarsophyma
tarsoplasia
tarsoplasty
tarsoptosis
tarsorrhaphy
tarsotarsal
tarsotibial
tarsotomy
tarsus
tart
tartago
tartan
tartana
tartanas
tartane
tartans
tartar
tartarated
tartare
tasses
tasset
tassets
tassie
tassies
tasso

tastable
tastableness
tastably
taste
tasteable
tasteableness
tasteably
tastebuds
tasted
tasteful
tastefully
tastefulness
tastekin
tasteless
tastelessly
tastelessness
tastemaker
tasten
taster
tasters
tastes
tastier
tastiest
tastily
tastiness
tasting
tastingly
tastings
tasty
tasu
tat
tatami
tatamis	atar
tataupa
tatbeb	atchy	ate	ater	aters	ates	ath
tathata
tatie
tatinek
tatler
tatmjolk
tatoo
tatoos
tatou
tatouay
tatouays
tatpurusha
tats
tatsman
tatta
tatted
tatter
tatterdemalion
tatterdemalionism
tatterdemalionry
tatterdemalions
tattered
tatteredly
tattereredness
tattering
tatterly
tatters
tatersall
tattersalls
tatterwag
tatterwallop
tattery
tatther
tattie
tattied
tattier
tatties
tattiest
tattily
tattiness
tatting
tattings
tattle
tattled
tattlement
tattler
tattlers
tattlery
tattles
tauriferous
tauriform
taurin
taurine
taurines
taurite
taurobolia
taurobolium
tauroboly
taurocephalous
taurocholate
taurocholic
taurocol
taurocella
taurodont
tauroesque
taurokathapsia
taurolatry
tauromachia
tauromachian
tauromachic
tauromachy
tauromaquia
tauromorphic
tauromorphous
taurophile
taurophobe
taurophobia
taurus
tauruses
tauryl
taurylie
taus
taut
tautaug
tautaugs
tauted
tautegorical
tautegory
tauten
tautened
tautening
tautens
tauter
tautest
tauting
tautirite
tautit
tautly
tautness
tautnesses
tautochrone
tautochronism
tautochronous
tautog
tautogs
tautoisomerism
tautologic
tautological
tautologically
tautologicalness
tautologies
tautologise
tautologised
tautologising
tautologism
tautologist
tautologize
tautologized
tautologizer
tautologizing
tautologous
tautologously
tautology
tautology's
tautomer
tautomeral
tautomeric
tautomerism
tautomerizable
tautomerization
tautomerize
tautomerized
tautomerizing
tautomers
tautomery
tautometer
tautometric
tautometrical
tautomorphous
tautonym
tautonymic
tautonymies
tautonymous
tautonyms
tautonomy
tautoousian
tautoousious
tautophonic
tautophonical
tautophony
tautopodic
tautopody
tautosyllabic
tautotype
tautourea
tautousian
tautousious
tautozonal
tautozonality
tauts
tav
tave
tavell
taver
tavern
tavern's
taverna
taverner
taverners
tavernize
tavernless
tavernlike
tavernly
tavernous
tavernry
taverns
tavernwards
tavers
tavert
tavestock
tavistockite	avola	avolatite	avoy	avs	aw	awa	awdered	awdrier	awdries	awdriest	awdrily	awdriness
taxations
taxative
taxatively
taxator
taxeater
taxeating	axed
taxeme
taxemes
taxemic
taxeopod
taxeopodous
taxeopody	axer	axers	axes	axgatherer	axgathering	axi	axiable	axiarch	axiato	axibus	taxicab	taxicab's	taxicabs	taxicorn	taxidermal	taxidermic	taxidermist	taxidermists	taxidermize	taxidermy	taxidriver	taxied	taxies	taxiing	taximan	taximen	taximeter	taximetered	taxin	taxine	taxing	taxingly	taxinomic	taxinomist	taxinomy
taxiplane
taxir
taxis
taxistand
taxite
taxites
taxitic
taxiway
taxiways
taxless
taxlessly
taxlessness
taxman
taxmen
taxodont
taxology
taxometer
taxon
taxonomer
taxonomic
taxonomical
taxonomically
taxonomies
taxonomist
taxonomists
taxonomy
taxons
taxor
taxpaid
taxpayer
taxpayer's
taxpayers
taxpaying
taxus
taxwax
taxwise
taxy
taxying
tay	ayassu	ayassuid	ayer	ayir	aylorite	ayra	aysaam	aysmm	azee
tealery
teless
telllite
teals
team
teamaker
teamakers
teamaking
teaman
tameed
tameo
teamer
teaming
teamland
teamless
teamman
teammate
teammates
team
teamssman
teamster
teamsters
teamwise
teamwork
teamworks
tean
teanal
teap
teapot
teapotful
teapots
teapottykin
teapoy
teapoyys
tear
tearable
tearableness
tearably
tearage
tearcat
teadown
teadowns
teadrop
teadrops
teated
tearer
tearers
tearful
teasellike
teaselling
teasels
teaselwort
teasement
teaser
teasers
teases
teashop
teashops
teasiness
teasing
teasingly
teasle
teasler
teaspoon
teaspoon's
teaspoonful
teaspoonful's
teaspoonfuls
teaspoons
teaspoonsful
teasy
teat
teataster
teated
teatfish
teathe
teacher
teatime
teatimes
teatlike
teatling
teatman
teats
teaty
teave
teware
teawares
teaze
tezel
teazeled
tezeling
tezelled
tezelling
tezels
tezers
tezle
techniquer
techniques
technism
technist
technocausis
technochemical
technochemistry
technocracies
technocracy
technocrat
technocratic
technocrats
technographer
technographic
technographical
technographically
technography
technol
technolithic
technologic
technological
technologically
technologies
technologist
technologist's
technologists
technologize
technologue
technology
technonomic
technonomy
technopsychology
technostructure
techous
techy
tec
tecnocotnia
tecnology
tecomin
tec
tecta
tectal
tectibranch
tectibranchian
tectibranchiate	ectiform
tectocephalic
tectocephaly
tectological
tectology
tectonic
tectonically
tectonics
tectonism
tectorial
tectorium	
tectosphere
tectospinal
tectospondyl
tectospondylous
tectrices
tectricial	
tectrix
tectum
tecture
tecum
tecuma
ted
tredded
tredder
teddies
teeding
teddy
tedesca
tedescan
tedesche
tedeschi
tedesco
tedge
tediosity
tedious
tediously
tediousness
tediousome
tedisome
tedium
tediums
teds

tee
tecall
teed

teedle
teeing

teel

team
teemed
teeer
teeemers
teemful
teeemfulness
teeeming
teeemingly
teeemingness
teemless
teeems
teen
teenage
teenaged
teenager
teenagers
teeener
teeeners
teenet
teenful
teenfully
teenfuls
teenie
teenier
teeniest
teenish
teeens
teeensier
teeensiest
teeensy
teeentsier
teeentsiest
teeentsy
teeenty
teeny
teenybopper
teenyboppers
teepee
teepees
teer
teerer	
tees
teeest	
teeet
teeetaller
teeetan	
teeetee	
teeeter	
teeeterboard
teff
teffs
tefillin
teflon
teg
tega
tegg
tegmen
tegment
tegmenta
tegmental
tegmentum
tegmina
tegmina
tegms
tegua
teguas
teguxin
teguguria
tegula
tegulae
tegular
tegularly
tegulated
tegumen
tegument
tegumenta
tegumental
tegumentary
teguments
tegumentum
tegumina
teguria
tegurium
tehee
tehran
tehseel
tehseeldar
tehsil
tehsildar
teicher
teichopsia
teiglach
teiglech
teihte
teiid
teiids
teil
teind
teindable
teinder
teinds
teinland
teinoscope
teioid
teise
tejano
tejon
teju
tekedye
tekiah
tekke
tekken
teknonyms
teknonymously
teknonymy
tektite
tektites
tektitic
tektos
tektosi
tektosil
tektosilicate
tekya
tel
tela
telacoustic
telae
telaesthesia
telaesthetic
telakucha
telamon
telamones
telang
telangiectases
telangiectasia
telangiectasis
telangiectasy
telangiectatic
telangiosis
telar
telarian
telarly
telary
telautogram
telautograph
telautographic
telautographist
telautography
t ela automatic
t elautomatically
t elautomatics
t ele
t eleanemograph
t elaangiectasia
t elebarograph
t elbarometer
t eleblem
telecamera
telecast
telecasted
telecaster
telecasters
telecasting
telecasts
telechemic
telechirograph
telecinematography
telecode
telecomm
telecommunicate
telecommunication
telecommunicational
telecommunications
telecomputer
telecomputing
telecon
teleconference
telecourse
telecryptograph
telecroscope
teledendrion
teledendrite
teledendron
teledu
teledus
telefacsimile
telefilm
telefilms
telel
telelag
telega
telegas
telegenic
telegenically
telegnosis
telegnostic
telegonic
telegonies
telegonous
telegony
telegraf
telegram
telegram's
telegrammatic
telegramme
telegrammed
telegrammic
telegramming
telegrams
telegraph
telegraphed
telegraphee
telegrapheme
telegrapher
telegraphers
telegraphese
telegraphic
telegraphical
telegraphically
telegraphics
telegraphing
telegraphist
telegraphists
telegraphone
telegraphonograph
telegraphophone
telegraphoscope
telegraphs
telegraphy
telehydrobarometer
teleianthous
teleiosis
telekinematography
telekineses
telekinesis
telekinetic
telekinetically
telelectric
telelectrograph
telelectroscope
telelens
teleologism
teleologist
teleology
teleometer
teleophobia
teleophore
teleophyte
teleoptile
teleorganic
teleoroentgenogram
teleoroentgenography
teleosaur
teleosaurian
teleost
teleostean
teleosteous
teleostomate
teleostome
teleostomian
teleostomous
teleosts
teleotemporal
teleotrocha
teleozoic
teleozoon
telepath
telepathic
telepathically
telepathies
telepathist
telepathize
telepathy
teleph
telepheme
telephone
telephoned
telephoner
telephoners
telephones
telephonic
telephonical
telephonically
telephonics
telephoning
telephonist
telephonists
telephonograph
telephonographic
telephonophobia
telephony
telephote
telephoto
telephotograph
telephotographed
telephotographic
telephotographing
telephotographs
telephotography
telephotometer
telephoty
telepicture
teleplasm
teleplasmic
teleplastic
teleplay
teleplays
teleport
teleportation
teleported
teleporting
teleports
telepost
teleprinter
teleprinters
teleprocessing
teleprompter
teleradiography
teleradiophone
teleran	
telerans
telergic
telergical
telergically
telergy
teles
telescope
telescoped
telescopes
telescopic
telescopical
telescopically
telescopiform
telescoping
telescopist
telescopy
telescreen
telecribe
telecript
telecriptor
teleseism
teleseismic
teleseismology
teleseme
telese
telesia
teleis
teleisurgic
teleism
telesmatic
telematical
telemeter
teleomatic
teleomatic
teleometricscope
telestereograph
telestereography
telestereoscope
telesteria
telesterion
telesthesia
teleesthetic
telestial
telestic
telestich
telestactile
telestactor
teletape
tele tex
teletext
teletherapy
telethermogram
telethermograph
telethermometer
telethermometry
telethermoscope
telethon
telethons
teletopometer
teletranscription
tele tube
tele type
tele type's
tele typed
tele typer
tele types
telford
telfordize
telfordized
telfordizing
telfords
telharmonic
telharmonium
telharmony
teli
telia
telial
telic
telical
telically
telifferous
telinga
teliosorus
teliospore
teliosporic
teliosporiferous
teliosstage
telium
tell
tellable
tellach
tellee
tellen
teller
tellers
tellership
tellies
tellieses
telligraph
tellin
tellinacean
tellinaceous
telling
tellingly
tellinoid
tells
tellsome
tellt
telltale
telltalely
telltales
telltuth
tellural
tellurate
telluret
tellureted
tellurethyl
telluretted
tellurhydric
tellurian
telluric
telluride
telluriferous
tellurion
tellurism
tellurist
tellurite
tellurium
tellurize
tellurized
tellurizing
tellurometer
telluronium
tellurous
tellus
telly
telmatological
telmatology
teloblast
teloblastic
telocentric
telodendria
telodendrion
telodendron
teledynamic
telo
telokinesis
telolecithal
telolemma
telolemmata
telome
telomerization
telomes
telomic
telomitic
telonism
telophase
telophasic
telophragma
telopsis
teloptic
telos
temerate
temerities
temeritous
temery
temerosus
temerosely
temerosousness
temescal
temiak
temin
temnospondylous
temp
tempe
tempeh
tempehs
temper
tempera
temperability
temperable
temperably
temperality
temperament
temperamental
temperamentalist
temperamentally
temperamentalness
temperamented
temperaments
temperance
temperas
temperate
temperately
temperateness
temperative
temperature
temperature's
temperatures
tempered
temperedly
temperedness
temperer
temperers
tempering
temperish
temperless
tempers
tempersome
tempery
temprely
temps
tempt
temptability
temptable
temptableness
temptation
temptation's
temptational
temptationless
temptations
temptatious
temptatory
tempted
tempter
tempters
tempting
temptingly
temptingness
temptress
temptresses
tempts
temptsome
tempura
tempuras
tempus
temse
temsebread
temseloaf
temser
temulence
temulency
temulent
temulentive
temulently
ten
tenability
tenable
tenableness
tenably
tenace
tenaces
tenacious
tenacously
tenaciousness
tenacities
tenacity
tenacle
tendentious
tendentiously
tendentiousness
tender
tenderability
tenderable
tenderably
tendered
tenderee
tenderer
tenderers
tenderest
tenderfeet
tenderfoot
tenderfootish
tenderfoots
tenderful
tenderfully
tenderheart
tenderhearted
tenderheartedly
tenderheartedness
tendering
tenderisation
tenderise
tenderised
tenderiser
tenderish
tenderising
tenderization
tenderize
tenderized
tenderizer
tenderizers
tenderizes
tenderizing
tenderling
tenderloin
tenderloins
tenderly
tenderness
tenderometer	
tenders
tendersome
tendicle
tendido
tendinal
tendineal
tending
tendingly
tendinitis
tedinous
tedinousness
tendment
tendo
tendomucin
tendomucoid
tendon
tendonitis
tendonous
tendons
tendoor
tendoplasty
tendosynovitis
tendotome
tendotomy
tendour
tendovaginal
tendovaginitis
tendrac
tendre
tendrel
tendresse
tendril
tendriled
tendriliferous
tendrillar
tendrilled
tendrilly
tendrilous
tendriils
tendron
tendry
tends
tenebra
tenebrae
tenebres
tenebricose
tenebrific
tenebrificate
tenebrion
tenebrionid
tenebrious
tenebriously
tenebriousness
tenebrism
tenontoplasty
tenontothecitis
tenontotomy
tenophony
tenophyte
tenoplasic
tenoplastic
tenoplasty

tenor
tenor's
tenore
tenorino
tenorist
tenorister
tenorite
tenorites
tenorless
tenoroon
tenorrhaphies
tenorrhaphy
tenors
tenositis
tenostosis
tenosuture
tenosynovitis
tenotome
tenotomies
tenotomist
tenotomize
tenotomy
tenour
tenours
tenovaginitis
tenpence
tenpences
tenpenny
tenpin
tenpins
tenpounder
tenrec
tenrecs
tens
tensas
tensaw
tense
tensed
tensegrity
tenseless
tenselessly
tenselessness
tense

tension

tensional

tensioned

tensioner

tensioning

tensionless

tensions

tensities

tensity

tensive

tenso

tensome

tensometer

tenson

tensor

tensorial

tensors

tensorship

tenspot

tensure

tent

tentability

tentable

tentacle

tentaclied

tentaclielike

tentacles

tentacula
tentacular
tentaculate
tentaculated
tentaculite
tentaculocyst
tentaculoid
tentaculum
tentage
tentages
tentamen
tentation
tentative
tentatively
tentativeness
tented
tenter
tenterbelly
tentered
tenterer
tenterhook
tenterhooks
tentering
tenters
tentful
tenth
tenthly
tenthmeter
tenthmetre
tenthredinid
tenthredinoid
tenthredo
tenths
tenticle
tentie
tentier
tentiest
tentiform
tentigo
tentilla
tentillum
tentily
tenting
tention
tentless
tentlet
tendlike
tentmaker
tentmaking
terahertz
terahertzes
terai
terais
terakihi
teramorphous
teraohm
teraohms
tera
teraph
teraphim
teras
terass
terata
teratic
teratical
teratism
teratisms
teratoblastoma
teratogen
teratogenesis
teratogenetic
teratogenic
teratogenicity
teratogenous
teratogeny
teratoid
teratologic
teratological
teratologies
teratologist
teratology
teratoma
teratomas
teratomata
teratomatous
teratophobia
teratoscopy
teratos
terbia
terbias
terbic
terbium
terbihas
terbiams
terce
tercel
tercelet
tercelets
tercels
tercentenarian
tercentenaries
tercentenarize
tercentenary
tercentennial
tercentennials
tercer
terceron
terceroon
terces
tercet
tercets
terchloride
tercia
tercine
tercio
terdiurnal
terebrate
terebella
terebellid
terebellloid
terebellum
terebene
terebenes
terebenic
terebenthene
terebic
tereblic
terebinic
terebinth
terebinthial
terebinthian
terebinthic
terebinthina
terebinthinate
terebinthine
terebinthinous
terebra
terebrae
terebral
terebrant
terebras
terebrate
terebration
terebratula
terebratular
terebratulid
terebriulliform
terebratu-line
terebratulite
terebratuloid
teredines
teredo
teredos
terefah
terek
terentian
terephah
terephhalate
terephhalic
terephhallic
teres
terete
teretial
tereticaudate
teretifolious
teretipronator
teretiscapular
teretiscapularis
teretish
teretism
tereu
tereus
terfez
terga
tergal
tergant
tergeminal
tergeminate
tergeminosus
tergiferous
tergite
tergites
tergitic
tergiversant
tergiversate
tergiversated
tergiversating
tergiversation
tergiversator
tergiversatory
tergiverse
tergum
tergolateral
tergum
teriyaki
teriyakis
terlinguaite
term
terma
terмагancy
termagant
termagantish
termagантism
termagantly
termagants
termage
termal
terman
termatic
termed
termen
termer
termers
termes
termillenary
terin
terминability
terminable
terminableness
terminably
terminal
terminal’s
terminalis
terminalization
terminalized
terminally
terminals
terminant
terminate
terminated
terminates
terminating
termination
terminational
terminations
terminative
terminatively
terminator
terminator’s
terminators
terminatory
termine
terminer
terming
termini
terminine
terminism
terminist
terministic
terminize
termino
terminological
terminologically
terminologies
terminologist
terminologists
terminology
terminus
terminuses
terminal
termitaria
termitarium
termitary
termite
termites
termitic
termitid
termitophagous
termitophile
termitophilous
termless
termlessly
termlessness
termly
termolecular
termon
termor
termors
terms
termtime
termtimes
termwise
tern
terna
ternal
ternar
ternariant
ternaries
ternarius
ternary
ternate
ternately
ternatipinnate
ternatisect
ternatopinnate
terne
terned
terneplate
terner
ternery
ternes
terning
ternion
ternions
ternize
ternlet
terns
terotechnology
teroxide
terp
teradiene
terpane
terpen
terpene
terpenelless
terpenes
terpenic
terpenoid
terphenyl
terpilene
terpin
terpine
terpinene
terpineol
terpinol
terpinolene
terpinols
terpodion
terpolymer
terpsichore
terpsichoreal
terpsichoreally
terpsichorean
terr
terra
terrace
terraced
terraceless
terraceous
terremotive
terrene
terrenely
terreneness
terrenes
terreno
terreous
terreplein
terrestrial
terrestrialism
terrestriality
terrestrialize
terrestrially
terrestrialness
terrestrials
terrestriality
terrestrialize
terrestrial
terreted
terrets
terribilita
terribility
terrible
terribleness
terribles
terribly
terricole
terricoline
terricolist
terricolous
terrie
terrier
terrier's
terrierlike
terriers
terries
terrific
terrificable
terrifically
terrification
terrificly
terrificness
terrified
terrifiedly
terrifier
terrifiers
terrifies
terrorized
terrorizer
terrorizes
terrorizing
terrorless
terrorproof
terrors
terrorsome
terry
terse
tersely
terseness
terser
tersest
tersion
tersulfid
tersulfide
tersulphate
tersulphid
tersulphide
tersulphuret
tertenant
tertia
tertial
tertials
tertian
tertiana
tertiants
tertiantship
tertiarian
tertiaries
tertiary
tertiate
tertii
tertio
tertium
tertius
terton
tertrinal
tertulia
teruah
teruncius
terutero
teruteru
tervalence
tervalency
tervalent
tervariant
tesseratomy
tessitura
tessituras
tessiture
tessular
test
testa
testability
testable
testacea
testcean
testageography
testceology
testaceous
testaceousness
testacies
testy
testae
testament
testament's
testamenta
testamental
testamentally
testamentalness
testamentarily
testamentary
testamentate
testamentation
testaments
testamentum
testamur
testandi
testao
testar
testata
testate
testation
testator
testators
testatorship
testatory
testatrices
testatrix
testatrixes
testatum
testbed
testcross
teste
tested
testee
testees
tester
testers
testes
testibrachial
testibrachium
testicardinate
testicardine
testicardines
testicle
testicle's
testicles
testicond
testicular
testiculate
testiculated
testier
testiere
testiest
testificate
testification
testificator
testificatory
testified
testifier
testifiers
testifies
testify
testifying
testily
testimonia
testimonial
testimonialising
testimonialist
testimonialization
testimonialize
testimonialized
testimonializer
testimonializing
testimonials
testimonies
testimonium
testimony
testimony's
testiness
testing
testingly
testings
testis
testitis
testmatch
teston
testone
testons
testoon
testoons
testor
testosterone
testril
tests
testudinal
testudinarian
testudinarius

testudinate
testudinated
testudineal
testudineous
testudines
testudinous
testudo
testudos
testule
testy
tesvino
tetanal
tetania
tetanic
tetanical
tetanically
tetanics
tetanies
tetaniform
tetanigenous
tetanilla
tetanine
tetanisation
tetanise
tetanised
tetanises
tetanising
tetanism
tetanization
tetanize
tetanized
tetrabasicity
tetabelodont
tetrabiblos
tetraborate
tetraboric
tetrabrach
tetrabranch
tetrabranchiate
tetrabromid
tetrabromide
tetrabromo
tetrabromoethane
tetrabromofluorescein
tetracadactylity
tetracaine
tetracarboxylate
tetracarboxylic
tetracarpellary
tetracene
tetraceratous
tetracerous
tetrachical
tetrachlorid
tetrachloride
tetrachlorides
tetrachloro
tetrachloroethane
tetrachloroethylene
tetrachloromethane
tetrachord
tetrachordal
tetrachordon
tetrachoric
tetrachotomous
tetrachromatic
tetrachromic
tetrachronous
tetracid
tetracids
tetracocci
tetracoccous
tetracoccus
tetracolic
tetracolon
tetracoral
tetracoralline
tetracosane
tetracont
tetractinal
tetractine
tetractinellid
tetractinellidan
tetractinelline
tetractinose
tetractys
tetracyclic
tetracycline
tetrad
tetradactyl
tetradactyle
tetradactylous
tetradactyly
tetradarchy
tetradecane
tetradecanoic
tetradecapod
tetradecapodan
tetradecapodous
tetradecyl
tetradiapason
tetradic
tetradite
tetradrachm
tetradrachma
tetradrachmal
tetradrachmon
tetrads
tetradymite
tetradynamia
tetradynamian
tetradynamious
tetradynamous
tetraedron
tetraedrum
tetraethyl
tetraethyllead
tetraethylsilane
tetrafluoride
tetrafluoroethylene
tetrafluouride
tetrafolious
tetragamy
tetragenous
tetraglot
tetraglottic
tetragon
tetragonal
tetragonally
tetragonalness
tetragonidium
tetragonous
tetragons
tetragonous
tetragram
tetagrammatic
tetagrammaton
tetagrammatonic
tetagrid
tetagyn
tetagynia
tetagynian
tetagynous
tetahedra
tetahedral
tetahedrally
tetahedric
tetahedrite
tetahedroid
tetahedron
tetahedrons
tetahexahedral
tetahexahedron
tetahydrate
tetahydrated
tetahydric
tetahydril
tetahydrilde
tetahydro
tetahydrocannabinol
tetahydrofuran
tetahydropyrrole
tetahydroxy
tetahymena
tetaiodid
tetaiodide
tetaiodo
tetaiodophenolphthalein
tetaiodopyrrole
tetraakisdecahedron
tetra ketone
tetakis
tetakisazo
tetakis hexahedron
tetalemma
tetralite
tetalogic
tetalogies
tetralogue
tetralogy
tetralophodont
tetramastia
tetramastigote
tetramer
tetrameral
tetrameralian
tetrameric
tetramerism
tetramerous
tetramers
tetrameter
tetrameters
tetramethyl
tetramethylammonium
tetramethyldiarsine
tetramethylene
tetramethylid
tetramethyllead
tetramethylsilane
tetramin
tetramine
tetrammine
tetramorph
tetramorphic
tetramorphism
tetramorphous
tetramer
tetrandria
tetrandrian
tetrandrous
tetran
tetranitrate
tetranitro
tetranitroaniline
tetranitromethane
tetran
tetranuclear
tetraodont
tetraonid
tetraonine
tetrapartite
tetrapetalous
tetraphalangeate
tetraseme
tetrasemic
tetrasepalous
tetraskele
tetraskelion
tetrasome
tetrasomic
tetrasomy
tetraspermal
tetraspermatous
tetraspermy
tetraspermous
tetraspgia
tetraspheric
tetrasporange
tetrasporangia
tetrasporangiate
tetrasporangium
tetraspore
tetrasporic
tetrasporiferous
tetrasporous
tetraster
tetrastich
tetrastichal
tetrastichic
tetrastichous
tetrastoon
tetrastyle
tetrastylic
tetrastylos
tetrastylosous
tetrasubstituted
tetrasubstitution
tetrasulfid
tetrasulfide
tetrasulphid
tetrasulphide
tetrasyllabic
tetrasyllabalical
tetrasyllable
tetrasymmetry
tetraphetic
tetrapheticism
tetrapheticist
tetrapheticite
tetrapheticates
tetraphetionic
tetraphetonic
tetratone
tetravalence
tetravalency
tetravalent
tetraxial
tetraxile
tetraxon
tetraxonian
tetraxonid
tetrazane
tetrazene
tetrazin
tetrazine
tetrazo
tetrazole
tetrazolium
tetrazolyl
tetrazone
tetrazotization
tetrazotize
tetrazy1
tetrazzini
tetrdra
tetremimeral
tetrevangelium
tetric
tetrical
tetricalness
tetricity
tetricous
tetrifol
tetrigid
tetriodide
tetrobol
tetrobolon
tetrode
tetrodes
tetrodon
tetrodont
tetrodotoxin
tetrol
tetrole
tetrolic
tetronic
tetronymal
tetrose
tetrous
tetroxalate
thalassian
thalassiarch
thalassic
thallastic
thallassinical
thalassinid
thallassinidian
thalassinoid
thalassiophyte
thalassiophytous
thalasso
thallassocracy
thallassocrat
thallassographer
thallassographic
thallassographical
thallassography
thallissometer
thallassophilous
thallassophobia
thallassotherapy
thalatta
thallattology
thalenite
thaler
thalerophagous
thalers
thalia
thalicien
thalian
thalidomide
thalli
thallie
thalliferous
thalliform
thallin
thalline
thalliuous
thallium
thalliums
thallochlore
thallodal
thallodic
thallogen
thallogenic
thallogenous
thallogens
thalloid
thalloidal
thalome
thalloffyte
thalloffytes
thalloffytyc
thallose
thaluous
thallus
thalluses
thalposis
thalpotic
thalthan
thalweg
thamakau
thameng
thames
thamin
thammuz
thamnium
thamnophile
thamnophiline
thamuria
than
thana
thanadar
thanage
thanages
thanah
thanant
thanatism
thanatist
thanatobiologic
thanatognomonie
thanatographer
thanatography
thanatoid
thanatological
thanatologies
thanatologist
thanatology
thanatomantic
thanatometer
thanatophobia
thanatophobia
thanatophobia
thanatopsis
thanatos
thanatoses
thanatosis
thanatotico
thanatousia
thane
thanedom
thanehood
theland
thanes
thaneship
thaness
thank
thanked
thankee
thanker
thankers
thankful
thankfuller
thankfullest
thankfully
thankfulness
Thanking
thankless
thanklessly
thanklessness
thanks
thanksgiver
thanksgiving
thanksgivings
thankworthily
thankworthiness
thankworthy
thankyou
thannadar
thapes
thapsia
thar
tharf
tharfcake
tharginyah
tharm
tharms
that
that'd
that'll
that's
thataway
thatch
thatched
thatcher
thatchers
thatches
thatching
thatchless
thatchwood
thatchwork
thatchy
thad
thatl
thatn
thatness
thats
thaught
thaumasite
thaumatogeny
thaumatography
thaumatolatry
thaumatologies
thaumatology
thaumatrope
thaumatropical
thaumaturge
thaumaturgi
thaumaturgia
thaumaturgic
thaumaturgical
thaumaturgics
thaumaturgism
thaumaturgist
thaumaturgus
thaumaturgy
thaumatoscopic
thave
thaw
thawable
thawed
thawer
thawers
thawier
thawiest
thawing
thawless
thawn
thaws
thawy
the
theaceous
theah
theandric
theanthropic
theanthropical
theanthropism
theanthropist
theanthropology
theanthropophagy
theanthropos
theanthroposophy
theanthropism
thearchic
thearchies
thearchy
theasum
theat
theater
theater's
theatercraft
theatregoer
theatregoers
theatergoing
theaterless
theaterlike
theaters
theaterward
theaterwards
theaterwise
theatine
theatral
theatre
theatregoer
theatregoing
theatres
theatric
theatricable
theatrical
theatricalisation
theatricalise
theatricalised
theatricalising
theatricalism
theatricality
theatricalization
theatricalize
theatricalized
theatricalizing
theatrically
theatricalness
theatricals
theatrician
theatricism
theatricize
theatrics
theatrize
theatrocacy
theatrograph
theatromania
theatromaniac
theatron
theatrophile
theatrophobia
theatrophone
theatrophonic
theatropolis
theatroscope
theatry
theatticalism
theave
theb
thebaic
thebaid
thebain
thebaine
thebaines
thebaim
theban
theberge
theca
thecae
thecal
thecaphore
thecasporal
thecaspore
thecaspored
thecasporous
thecate
thecia
thecial
thecitis
thecium
thecla
theclan
theirs
themselves
 theirsens
theism
theisms
theist
theistic
theistical
theistically
theists
thelalgia
thelemite
theigionaceous
thelon
thelitis
thelitises
thelium
theloncus
thelorrhagia
thelphusian
thelyblast
thelyblastic
thelyotokous
thelyotoky
thelyplasty
thelytocaia
thelytokous
thelytoky
thelytonic
them
thema
themata
thematic
thematical
thematically
thematist
theme
theme's
themed
themeless
themelet
themer
themes
theming
themis
themsel
themselves
then
thenabouts
thenad
thenadays
thenage
thenages
thenal
thenar
thenardite
thenars
thence
thenceafter
thenceforth
thenceforward
thenceforwards
thencefoward
thencefrom
thenceward
thenne
thenness
thens
theoanthropomorphic
theoanthropomorphism
theoastronomical
theobroma
theobromic
theobromin
theobromine
theocentric
theocentricism
theocentricity
theocentrism
theochristic
theocollectivism
theocollectivist
theocracies
theocracy
theocrasia
theocrasical
theocrasies
theocracy
theocrat
theocratic
theocratically
theocratically
theocratist
theocrats
theodemocracy
theodicaea
theodicean
theodicies
theodicy
theodidact
theodolite
theodolitic
theodore
theodosian
theodosianus
theodrama
theody
theogamy
theogeological
theognostic
theogonal
theogonic
theogonical
theogonies
theogonism
theogonist
theogony
theohuman
theokrasia
theoktonic
theoktony
theol
theolatrous
theolatry
theolepsy
theoleptic
theolog
theological
theologal
theologaster
theologastric
theologate
theologeion
theologer
theologi
theologian
theologians
theologic
theological
theologically
theologician
theologicoastronomical
theologicoethical
theologicohistorical
theologicometaphysical
theologicomilitary
theologicomoral
theologiconatural
theologicopolitical
theologics
theologies
theologisation
theologise
theologised
theologiser
theologising
theologism
theologist
theologium
theologization
theologize
theologized
theologizer
theologizing
theologoumena
theologoumenon
theologs
theologue
theologus
theology
theomachia
theomachies
theomachist
theomachy
theomagic
theomagical
theomagics
theomy
theomammomist
theomancy
theomania
theomaniac
theomantic
theomastix
theomicrist
theomisanthropist
theomorphic
theomorphism
theomorphize
theomythologer
theomythology
theonomies
theonomous
theonomously
denomy
detheopantism
detheopaschite
detheopathetic
detheopathic
detheopathies
detheopathy
detheaphragic
detheaphagite
detheaphagic
detheaphagous
detheaphagy
detheaphania
detheaphanic
detheaphanies
detheapanism
detheapanous
detheaphany
detheaphilanthrope
detheaphilanthropic
detheaphilanthropism
detheaphilanthropist
detheaphilanthropy
detheaphile
detheaphilist
detheaphilosophic
detheaphilus
detheaphobia
detheaphoric
detheaphorous
detheaphrastaceous
detheaphyllin
detheaphylline
detheaphysical
detheopneust
detheopneusted
detheopneustia
detheopneustic
detheopneusty
detheopolitician
detheopolitics
detheopoli
detheopsyche
detheor
detheorist
detheorbo
detheorbos
detheorem
therapists
therapsid
theraputant
therapy
therapy's
theravada
therblig
there
there'd
there'll
there's
thereabout
thereabouts
thereabove
thereacross
thereafter
thereafterward
thereagainst
thereamong
thereamongst
thereanent
thereanents
therearound
thereas
thereat
thereaway
thereaways
therebefore
thereben
therebeside
therebesides
therebetween
therebiform
thereby
thereckly
thered
therefor
therefore
therefrom
therehence
therein
thereinafter
thereinbefore
thereinto
thereill
thereemin
thereemins
thereence
thereness
thereof
thereoid
thereologist
thereology
thereon
thereonto
thereout
thereover
thereright
theres
thereelse
thereethrough
theretil
theretill
thereto
theretofore
theretoward
thereunder
thereuntil
thereunto
thereup
thereupon
therevid
therewhile
therewhiles
therewhilst
therewith
therewithal
therewithin
theriac
theriaca
theriacal
theriacas
theriacs
therial
therian
therianthropic
therianthropism
theriatrics
thericlean
theridiid
theriodic
theriodont
theriolater
theriolatry
theriomancy
theriomaniac
theriomimicry
deriomorph
deriomorphic
deriomorphism
deriomorphosis
deriomorphous
deriotheism
deriotheist
derirotrophical
deriotozoic
term
termacogenesis
termae
termastertholysis
termal
termalgesia
termality
termalization
termalize
termalized
termalizes
termalizing
termally
termals
termalergasia
terminesthesia
termantine
termantidote
termatologic
termatologist
termatology
terme
termel
termels
termes
termesthesia
termesthesiometer
termeterograph
termeterograph
termic
termical
termically
termidor
termidorian
termion
termionic
termionically
thermionics
thermions
thermistor
thermistors
thermit
thermite
thermites
thermits
thermo
thermoammeter
thermoanalgesia
thermoanesthesia
thermobarograph
thermobarometer
thermobattery
thermocauteries
thermocautery
thermochemic
thermochemical
thermochemically
thermochemist
thermochemistry
thermochroic
thermochromism
thermochrosoy
thermoclinal
thermoclino
thermocoagulation
thermocouple
thermocurrent
thermodiffusion
thermoduric
thermodynam
thermodynamic
thermodynamical
thermodynamically
thermodynamician
thermodynamicist
thermodynamics
thermodynamist
thermoelastic
thermoelectric
thermoelectrical
thermoelectrically
thermoelectricity
thermoelectrometer
thermoelectromotive
thermoelectron
thermoelectronic	hermoelement	hermoesthesia	hermoexcitory	hermoform	hermoformable
thermogalvanometer
termogen
termogenerator
termogenesis
termogenetic
termogenic
termogenous
termogeny
termogeographical
termogeography
termogram
termograph
termographer
termographic
termographically
termography
termohaline
termohyperesthesia
termojunction
termokinematics
termolabile
termolability
termological
termology
termoluminescence
termoluminescent
termolysis
termolytic
termolyze
termolyzed
termolyzing
termomagnetic
termomagnetically
termomagnetism
termometamorphic
termometamorphism
termometer
termometer's
termometerize
termometers
termometric
termometrical
thermometrically
thermometrograph
thermometry
thermomigrate
thermomotive
thermomotor
thermomultiplier
thermonastic
thermonasty
thermonatrite
theroneurosis
thermoneutrality
thermonous
thermonuclear
thermopair
thermopalpation
thermopenetration
thermoperiod
thermoperiodic
thermoperiodicity
thermoperiodism
thermophil
thermophile
thermophilic
thermophilous
thermophobia
thermophobic
thermophor
thermophore
thermophosphen
thermophosphorescence
thermophosphorescent
thermopile
thermoplastic
thermoplasticity
thermoplastics
thermoplegia
thermopleion
thermopolymerization
thermopolype
thermopolypeonic
thermopower
thermoradiotherapy
thermoreceptor
thermoreduction
thermoregulation
thermoregulator
thermoregulatory
thermoremanence
thermoremanent
thermoreistance
thermoreistant
thermos
thermoscope
thermoscopic
thermoscopical
thermoscopically
thermosensitive
thermoses
thermoset
thermosetting
thermosiphon
thermosphere
thermospheres
thermospheric
thermostability
thermostable
thermostat
thermostat's
thermostated
thermostatic
thermostatically
thermostatics
thermostating
thermostat's
thermostatted
thermostatting
thermostimulation
thermoswitch
thermosynthesis
thermosystaltic
thermosystaltism
thermotactic
thermotank
thermotaxic
thermotaxis
thermotelephone
thermotelephonic
thermotensile
thermotension
thermotherapeutics
thermotherapy
thermotic
thermotical
thermotically
thermotics
thermotropic
thermotropism
thermotropy
thermotype
thermotypic
thermotypy
thermovoltaic
therms
therodont
theroid
therolater
therolatry
therologic
therological
therologist
therology
theromorph
theromorphia
theromorphic
theromorphism
theromorphological
theromorphology
theromorphous
therophyte
theropod
theropodan
theropodous
theropods
thersitean
thersites
thersitical
thesaur
thesaural
thesauri
thesauris
thesaurismosis
thesaurus
thesaurusauri
thesauruses
thesaury
these
theses
theseus
thesial
thesicle
thesis
thesmothetae
thesmothete
thickhead
thickheaded
thickheadedly
thickheadedness
thickish
thickleaf
thickleaves
thicklips
thickly
thickneck
thickness
thicknesses
thicknessing
thicks
thickset
thicksets
thickskin
thickskull
thickskulled
thickwind
thickwit
thicky
thief
thiefcraft
thiefdom
thiefland
thiefly
thiefmaker
thiefmaking
thiefproof
thieftaker
thiefwise
thienone
thienyl
thievable
thieve
thieved
thieveless
thiever
thieveries
thievery
thieves
thieving
thievingly
thievish
thievishly
thievishness
thig
thigged
thigger
thigging
thigh
thighbone
thighbones
thighed
thighs
thight
thightness
thigmonegative
thigmopositive
thigmotactic
thigmotactically
thigmotaxis
thigmotropic
thigmotropically
thigmotropism
thilk
thill
thiller
thills
thilly
thimber
thimble
thimble's
thimbleberries
thimbleberry
thimbled
thimbleflower
thimbleful
thimblefuls
thimblelike
thimblemaker
thimblemaking
thimbleman
thimblernig
thimblernigged
thimblernigger
thimblerniggy
thimblerniggery
thimblernigging
thimble
thimbleweed
thimblewit
thimerosal
thin
thinbrained
thinclad
thinned
thinner
thinners
thinness
thinnesses
thinnest
thinning
thinnish
thinolite
thins
thio
thioacet
thioacetal
thioacetic
thioalcohol
thioaldehyde
thioamid
thioamide
thioantimonate
thioantimoniate
thioantimonious
thioantimonite
thioarsenate
thioarseniate
thioarsenic
thioarsenious
thioarsenite
thiobaccilli
thiobacilli
thiobacteria
thiobismuthite
thiocarbamic
thiocarbamide
thiocarbamyl
thiocarbonilide
thiocarbimide
thiocarbonate
thiocarbonic
thiocarbonyl
thiochloride
thiochrome
thiocresol
thiocyanate
thiocyanation
thiocyanic
thiocyanide
thiocyano
thiocyanogen
thiodiazole
thiodiphenylamine
thioester
thiofuran
thiofurane
thiofurfuran
thiofurfurane
thioguanine
thioglycolic
thiohydrate
thiohydrolysis
thiohydrolyze
thiindigo
thioketone
thiokol
thiol
thiolacetic
thiolactic
thiolic
thiolic
thiols
thionamic
thionaphthene
thionate
thionates
thionation
thioneine
thionic
thionin
thionine
thionines
thionins
thionitrite
thionium
thionobenzoic
thionthiolic
thionurate
thionyl
thionylamine
thionyls
thiopental
thiopentone
thiophen
thiophene
thiophenic
thiophenol
thiophens
thiophosgene
thiophosphate
thiophosphite
thiophosphoric
thiophosphoryl
thiophthene
thiopyran
thioresorcinol
thioridazine
thiosinamine
thiostannate
thiostannic
thiostannite
thiostannous
thiosulfate
thiosulfates
thiosulfuric
thiosulphate
thiosulphonic
thiosulphuric
thiotepa
thiotepas
thiotolene
thiotungstate
thiotungstic
thiouracil
thiourea
thioureas
thiourethan
thiourethane
thioxene
thiozone
thiozonid
thiozonide
thir
thiram
thirams
third
thirdborough
thirdendeal
thirdhand
thirdings
thirdling
thirdly
thirdness
thirds
thirdsman
thirdstream
thirl
thirlage
thirlages
thirled
thirling
thirls
thirst
thirsted
thirster
thirsters
thirstful
thirstier
thirstiest
thirstily
thirstiness
thirsting
thirstingly
thirstland
thistle
thirstless
thirstlessness
thirstproof
thirsts
thirsty
thirt
thirteen
thirteener
thirteenfold
threens
thirteenth
thirteenthly
thirteens
thirteenths
thirties
thirtieth
thirtieths
thirty
thirtyfold
thirtyish
thirtypenny
thirtywomo
this
this'll
thisbe
thishow
thislike
this'll
thism
thisness
thissen
thistle
thistled
thistle
thistle
thistle
thistle
thistle
thistledown
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thistle
thoracobronchotomy
thoracoceloschisis
thoracocentesis
thoracocyllosis
thoracocyrrosis
thoracodelphus
thoracodidymus
thoracodorsal
thoracodynia
thoracogastrochisis
thoracograph
thoracohumeral
thoracolumbar
thoracolysis
thoracomelus
thoracometer
thoracometry
thoracomyodynia
thoracopagus
thoracoplasties
thoracoplasty
thoracoschisis
thoracoscope
thoracoscopy
thoracostenosis
thoracostomies
thoracostomy
thoracostracan
thoracostracous
thoracotomies
thoracotomy
thoral
thoracoscope
thorax
thoraxes
thore
thoria
thorianite
thorias
thoriate
thoric
thoriferous
thorina
thorite
thorites
thorium
thoriums
thorn
thoroughpaced
thoroughpin
thoroughsped
thoroughstem
thoroughstitch
thoroughstitched
thoroughwax
thoroughway
thoroughwort
thorp
thorpe
thorpes
thorps
thort
thorster
thortveitite
thos
those
thou
thoued
though
thought
thought's
thoughted
thoughten
thoughtfree
thoughtfreeness
thoughtful
thoughtfully
thoughtfulness
thoughtkin
thoughtless
thoughtlessly
thoughtlessness
thoughtlet
thoughtness
thoughts
thoughtsick
thoughtway
thoughty
thouing
thous
thousand
thousandfold
thousandfoldly
thousands
thousandth
thousandths
thousandweight
thause
thow
thowel
tholess
thowt
thracian
thrack
thraep
thrail
thrain
thraldom
thraldoms
thrall
thrallborn
thralldom
thralled
thralling
thralls
thram
thrammle
thrang
thrangity
thranite
thranitic
thrap
thrapple
thrash
thrashed
thrashel
thrasher
thrasherman
thrashers
thrashes
thrashing
thraso
thrasonic
thrasonical
thrasonically
thrust
thratch
thrave
thraver
thraves
thraw
thrawart
thrawartlike
thrawartoness
thawcrook
thawed
thawing
thawn
thawnee
thawny
thawness
thaws
thread
threadbare
threadbareness
threadbarity
threaded
threaden
threader
threaders
threadfin
threadfish
threadfishes
threadflower
threadfoot
threadier
threadiest
threadiness
threading
threadle
threadless
threadlet
threadlike
threadmaker
threadmaking
threads
threadway
threadweed
threadworm
thready
threa
threaed
threaen
threaen
threaen
threaen
threaen
threaen
threaen
threaen
threaen
threaen
threaen
threat
threaten
threatenable
threatened
threatener
threateners
threatening
threateningly
threateningness
threatens
threatful
threatfully
threatfulness
threatening
threatless
threatproof
threats
threave
three
three's
threedimensionality
threelfold
threelfolded
threelfoldedness
threelfoldly
threelfoldness
threeling
threeness
threep
threeped
threepence
threepences
threepenny
threepennyworth
threeping
threeps
threes
threescore
threesome
threesomes
treip
thremmatology
threne
threnetic
threnetical
threnode
threnodes
threnodial
threnodian
threnodic
threnodical
threnodies
threnodist
threnody
threnos
threnin
threnine
threose
threpe
threpsology
threptic
thresh
threshal
thresher
threshed
threshel
thresherman
threshermen
thresers
threses
threshing
threshingtime
threshold
threshold's
thresholds
thresle
threw
thribble
thrice
thricecock
thridace
thridacium
thrift
thriftbox
thriftier
thiftiest
thiftily
thiftiness
thriftless
thiftlessly
thiftlessness
thriftlike
thri<br>thriftshop
thri<br>thirty
thri<br>thill
thri<br>thillant
thri<br>thrilled
thri<br>thriller
thri<br>thrillers
thri<br>thrillful
thrillfully
thrillier
thrilliest
thrilling
thrillingly
thrillingness
thrillproof
thrills
thrillsome
thrilly
thrimble
thrimp
thrimsa
thing
thinging
thinter
thioboly
thrip
thripel
thripid
thrippence
thipple
thrips
thrist
thrive
thrived
thriveless
thriver
thrivers
thives
thriving
thrivingly
thrivingness
thro
thro'
throat
throatal
throatband
throatboll
throatled
throatful
throatier
throatiest
throatily
throatiness
throating
throatlash
throatlatch
throatless
throatlet
throatlike
throatroot
throats
throatstrap
throatwort
throaty
throb
throbbed
throbber
throbbers
throbbing
throbblingly
throbless
throbs
throck
throdden
throddy
throe
throed
throeing
throes
thrombase
thrombectomies
thrombectomy
thrombi
thrombin
thrombins
thromboangiitis
thromboarteritis
thromboclasis
thromboclastic
thrombocyst
thrombocyte
thrombocytic
thrombocytopenia
thrombocytopenic
thromboembolic
thromboembolism
thrombogen
thrombogenic
thromboid
thrombokinese
thrombolymphangitis
thrombolysis
thrombolytic
throttling
throttlingly
throu
through
throughbear
throughbred
throughcome
throughgang
throughganging
throughgoing
throughgrow
throughhither
throughknow
throughly
throughother
throughout
throughput
throughway
throughways
throve
throw
throwaway
throwaways
throwback
throwbacks
throwdown
thrower
throwers
throwing
thrown
throwoff
throwout
throws
throwst
throwster
throwwort
thru
thrum
thrumble
thrummmed
thrumer
thrummers
thrummier
thruminer
thrummiest
thrumming
thrummy
thrums
thrumwort
thruout
thruppence
thruput
thruputs
thrush
thrusel
thrusher
thrushes
thruslike
thrushy
thrust
thusted
thruster
thrusters
trustful
trustfulness
thrusting
thrustings
thrustle
thrustor
thrustors
thrustpush
thrusts
thrutch
thrutchings
thru
thruway
thruways
thrymsa
thsant
thud
thudded
thudding
thuddingly
thuds
thug
thug's
thugdom
thugged
thuggee
thuggeeism
thuggees
thuggeries
thuggery
thuggress
thugging
thuggish
thuggism
thugs
thuja
thujas
thujene
thujin
thujone
thuiyl
thule
thulia
thulias
thulir
thulite
thulium
thuliums
thulr
thuluth
thumb
thumbbird
thumbed
thumbere
thumbhole
thumbkin
thumbkins
thumbing
thumbkin
thumbkins
thumble
thumbless
thumblike
thumbling
thumbmark
thumbnail
thumbnailis
thumbnut
thumbnuts
thumbpiece
thumbprint
thumbrope
thumbs
thumbscrew
thumbscrews
thumbstall
thumbstring
thumbtack
thumbtacked
thumbtacking
thumbtacks
thumby
thumlungur
thummin
thump
thumped
thumper
thumpers
thumping
thumpingly
thumps
thumbergilene
thund
thunder
thunderation
thunderball
thunderbearer
thunderbearing
thunderbird
thunderblast
thunderbolt
thunderbolt's
thunderbolts
thunderbox
thunderburst
thunderclap
thunderclaps
thundercloud
thunderclouds
thundercrack
thundered
thunderer
thunderers
thunderfish
thunderfishes
thunderflower
thunderful
thunderhead
thunderheaded
thunderheads
thundering
thunderingly
thunderless
thunderlight
thunderlike
thunderous
thunderously
thunderousness
thurrock
thursday
thursday's
thursdays
thurse
thurst
thurt
thus
thusgate
thusly
thusness
thuswise
thutter
thuya
thuyas
thwack
thwacked
thwacker
thwackers
thwacking
thwackingly
thwacks
thwackstave
thwait
thwaite
thwart
thwarted
thwartedly
thwarteous
thwarter
thwarters
thwarting
thwartingly
thwartly
thwartman
thwartmen
thwartness
thwartover
thwarts
thwartsaw
thwartship
thwartships
thwartways
thwartwise
thwite
thwittle
thwrl
thy
thyestean
thyestes
thyiad
thyiine
thylacine
thylacitis
thylakoid
thymacetin
thymate
thyme
thymectomy
thymegol
thymelaaceous
thymelcosis
thymele
thymelic
thymelical
thymelici
thymene
thymes
thymetic
thymey
thymi
thymiama
thymic
thymicolymphatic
thymidine
thymier
thymiester
thymin
thymine
thymines
thymiosis
thymitis
thymocyte
thymogenic
thymol
thymolate
thymolize
thymolphthalein
thymols
thymolsulphonephthalein
thymoma
thymomata
thymonucleic
thymopathy
thymoprivic
thymoprivous
thymopsyche
thymoquinone
thymotactic
thymotic
thymotinic
thymus
thymuses
thymy
thymyl
thymylic
thynnid
thyratron
thyreoadenitis
thyreoantitoxin
thyreoarytenoid
thyreoarytenoideus
thyreocervical
thyreocolloid
thyreepiglottic
thyreogenic
thyreogenous
thyreoglobulin
thyreoglossal
thyreohyal
thyreohyoid
thyroid
thyreoidal
thyreoidal
thyreoidanean
thyreoidectomy
thyroiditis
thyreitis
thyreolinguale
thyreoprotein
thyreosis
thyreotomy
thyreotoxicosis
thyreotropic
thyridia
thyridial
thyridium
thyrisiferous
thyristor
thyroadonitis
thyroantitoxin
thyroarytenoid
thyroarytenoideus
tyrocalcitonin
tyrocardiac
tyrocarditis
tyrocele
tyrocervical
tyrocervical
tyrocolloid
tyrocriconid
tyroepiglottic
tyroepiglottidean
tyrogenic
tyrogenous
tyroglobulin
tyroglossal
tyrohyal
tyrohyoid
tyrohyoidean
tyroidal
thyroidal
thyroidal
thyroidal
thyroidectomy
thyroidectomy
thyroidism
thyroiditis
thyroidization
thyroidless
thyroidotomies
thyroidotomy
thyroids
thyroidin
thyroid
thyrolingual
thyronin
thyronine
thyroparathyroidectomy
thyroparathyroidectomy
thyroprival
thyroprivia
thyroprivic
thyroprivous
thyroprotein
thyroria
thyrorion
thyrororia
thyrosis
thyrostracan
thyrotherapy
thyrotome
thyrotomy
thyrotoxic
thyrotoxicity
thyrotoxicosis
thyrotrophic
thyrotrophin
thyrotropic
thyrotropin
thyroxin
thyroxine
thyroxinic
thyroxins
thyre
thyres
thyrsi
thyrsiform
thyrsid
thyrsoidal
thyrsus
thyrsusi
thysonianter
thysonianteran
thysonianteron
thysonianterous
thysonianuran
thysonianouran
thysonianourous
thysonianuran
thysonianurian
thysonianuriform
thysonianurous
thyssel
thyself
thysen
ți
tiang
tiangue
tiao
tiar
tiara
tiaraed
tiaralike
tiaras
tiarella
tib
tribit
tribby
tiber
tibert
tibet	
tibetan
tibetans
tibey
tibia
tibiad
tibiae
tibial
tibiale
tibialia
tibialis
tibias
tibicen
tibicinist
tibioalcanean
tibiofemoral
tibiofibula
tibiofibular
tibiometatarsal
tibionaviclar
tibiopopliteal
tibioscaphoïd
tibiotarsal
tibiotarsi
tibiotarsus
tibiotarsusi
tibourbou
tiburon
tiburtine
tic
tical
ticals
ticca
ticchen
tice
ticement
ticer
tichel
tichodrome
tichorhine
tichorrhine
tick
tickbean
tickbird
tickeater	
ticked
ticken
ticker
tickers
ticket
ticket's
ticketed
ticketer	
ticketing
ticketless	
ticketmonger	
tickets
tickey
tickicide	
tickie
ticking
tickings
tickle
tickleback
ticklebrain	
tickled	
tickely	
ticklenburg
ticklenburgs
tickleness	
tickleproof
tickler
ticklers
tickles	
ticklesome
tickless
tickweed	
tickliness	
tickling	
ticklingly	
ticklish	
ticklishly	
ticklishness	
tickly
tickney
tickproof
ticks
tickseed
tickseeded
tickseeds
ticktack
tideland
tidelands	
tideless	
tidelessness	
tidelike	
tideling	
tidely	
tidemaker	
tidemaking	
tidemark	
tidemarks	
tiderace	
tiderip	
tiderips	
tiderode	
tides	
tidesman	
tidesurveyor	
tidewaiter	
tidewaitership	
tideward	
tidewater	
tidewaters	
tideway	
tideways	
tidi	
tidiable	
tidied	
tidier	
tidies	
tidiest	
tidife	
tidily	
tidiness	
tidinesses	
tiding	
tidingless	
tidings	
tidiose	
tidley	
tidling	
tidological	
tidology	
tidy	
tidying	
tidyism	
tidytips	
tie
tieback
tiebacks
tieboy
tiebreaker
tieclasp
tieclasps
tied
tiedog
tieing
tieless
tiemaker
tiemaking
tiemannite
tien
tienda
tiens
tienta
tiento
tiepin
tiepins
tier
tierce
tierced
tiercel
tiercels
tierceron
tierces
tiered
tierer
tiering
tierlike
tierras
tiers
tiersman
ties	iетick
tievine
tiewig
tiewigged	iфф
tiffanies
tiffany
tiffanyite
tiffed
tiffie
tiffin	tiffined	tiffing
tightens
tighter
tightest
tightfisted
tightfistedly
tightfistedness
tightfitting
tightish
tightknit
tightlier
tightliest
tightlipped
tightly
tightness
tightrope	ightroped	ightropes	ightroping	ights	ightwad	ightwads	ightwire
tiglaldehyde
tiglic	iglicic	iglinic	iglon	iglons
tignon	ignum	igon	igons	igress	igresses	igresslike	igrine	igrinya	igris	igrish	igroid	igrolysis	igrolytic	igrone	igtag	igurine	ike	ikes	iki	ikis
tiling
tilings
till
tillable
tillage
tillages	
tillandsia
tilled
tiller
tillered
tillering
tillerless	
tillerman
tillermen	
tillers	
tilet	
tilletiaceous	
tilley
tillicum
tilling
tillite
tillman
tillodont	
tillot	
tillotter	
tills	
tilly
tilmus	
tilpah	
tils	
tilt
titable	
tiltboard	
tilted	
tilter	
tilters	
tilth	
tilthead	
tilths	
tilting	
tiltlike	
tiltmaker	
tiltmaking	
tiltmeter	
tilts	
tiltup	
tilture	
tilty
timbo
timbre
timbrel
timbrelled
timbrelled
timbreller
timbrels
timbres
timbrologist
timbrology
timbromania
timbromaniac
timbromanist
timbrophilic
timbrophilism
timbrophilist
timbrophily
time
timeable
timebinding
timecard
timecards
timed
timeful
timefully
timefulness
timekeep
timekeeper
timekeepers
timekeepership
timekeeping
timeless
timelessly
timelessness
timelia
timelier
timeliest
timeliine
timelily
timeliness
timeling
timely
timenoguy
timeous
timeously
timeout
timeouts
timepiece
timepieces
timepleaser
timeproof
timer
timerau
timerity	imers
times
timesaver
timesavers	imesaving	imescale	imeserver
timeservers	imeserving	imeservingness	imeshare	imeshares	imesharing	imestamp	imestamps
timet
timetable	imetable's	imetables	imetaker	imetaking	imetrp
timeward	imework	timeworker	imeworks	imeworn	timid		timider		timidest	timidities	timidity	timidly	timidness	timidous		timing	
timings	timish
timist	
timmer		timocracies
timocracy
timocratic
timocratical
timon
timoneer
timor
timoroso
timorous
timorously
timorousness
timorousnous
timorsome
timothies
timothy
timpana
timpani
timpanist
timpanists
timpano
timpanum
timpanums
timwhisky
 tín
tin's
tinage
tinaja
tinamine
tinamou
tinamous
tinamipipi
tinbergen
tinc
tincal
tincals
tinchel
tinchill
tinclad
tinct
tincted
tincting
tinction
tinctorial
tinctorially
tinctorious
tincts
tinctumutation
tincture
tinctured
tinkles
tinklier
tinkliest
tinkling
tinklingly
tinklings
tinkly
tinlet
tinlike
tinman
tinmen
tinned
tinnen
tinner
tinners
tinnery
tinnet
tinnient
tinnier
tinniest
tinnified
tinnily
tinniness
tinning
tinnitus
tinnituses
tinnock
tinny
tinoceratid
tinosa
tinplate
tinplates
tinpot
tins
tinsel
tinseled
tinseling
tinselled
tinsellike
tinselling
tinselly
tinselmaker
tinselmaking
tinselry
tinsels
tinselweaver
tinselwork
tinsman
tinsmen
tinsmith
tinsmithing
tinsmiths
tinsmithy
tinstone
tinstones
tinstuff
tinsy
tint
tinta
tintack
tintage
tintamar
tintamarre
tintarron
tinted
tinter
tinternell
tinters
tintie
tintiness
tinting
tintingly
tintings
tintinnabula
tintinnabulant
tintinnabular
tintinnabulary
tintinnabulation
tintinnabulations
tintinnabulatory
tintinnabulism
tintinnabulist
tintinnabulous
tintinnabulum
tintist
tintless
tintlessness
tintometer
tintometric
tintometry
tints
tinty
tintype
tintyper
tintypes
tinwald
tinware
tinwares
tinwoman
tinwork
tinworker
tinworking
tinworks
tiny
tinzenite
tip
tip's
tipburn
tipcart
tipcarts
tipcat
tipcats
tipe	ipful
tiphead
tipi	ipis
tipit	ipiti	iple	ipless
tipllet	ipman
tipmen	ipmost	ipoff	ipoffs	iponi	ippable	ipped	ippee	ipper	ipper's	tippers	ippet	ippets
tippier	ippiest	ipping	ipple	ippled	ippleman	ippler
tirailleur
tiralee
tirassee
tiraz
tire
tired
tireder
tiredest	iredly
tiredness
tiredom
tirehouse	tireless
tirelessly
tirelessness
tireling
tiremaid
tiremaker
tiremaking
tireman
tiremen
tirement
tirer
tireroom
tires	tiresias
tiresmith	tiresol	tiresome
tiresomely
tiresomeness	tiresomeweed	tirewoman
tirewomen
tiriba	tiring	tiringly	tirl	tirled	tirling	tirls
tirma	tiro
tirocinia
tirocinium	tironian
tiros	tirr
tithonographic

tithonometer

tithonus

tithymal

titi

titian
	itians

titien

titilate

titillability

titillant

titillate

titillated

titillater

titillates

titillating

titillatingly

titillation

titillations

titillative

titillator

titillatory

titis

titivate

titivated

titivates

titivating

titivation

titivator

titivil

titiviller

titlark

titlarks

title

titleboard

titled

titledom

titleholder
	titleless

titone

titleproof
	titler

titles
	titleship
	titlike
	titling
	titlist
	titlists
titmal
titmall
titman
titmen
titmice
titmice
titmouse
titoism	
titoki
titrable
titrant
titrants
titratable
titrates
titrating
titrator
titrators
titre
titres
titrimetric
titrimetrically
titrimetry
tits
titter
titteration
tittered
titterel
titterer
titterers
tittering
titteringly
titters
tittery
tittie
titties
tittivate
tittivated
tittivating
tittivation
tittivator		
tittle
tittlebat
titler
tittles	
tittlin
toady
toadying
toadyish
toadyism
toadyisms
toadyship
toarcian	toast
toastable
toasted
toastee
toaster
toasters
toastier
toastiest	toastiness	toasting
toastmaster
toastmasters
toastmastery
toastmistress
toastmistresses
toasts
tasty
toat
toataa
tob
tobacco
tobaccoes
tobaccofied
tobaccoism	tobaccoite
tobaccoless
tobaccolike
tobaccoman
tobaccomen
tobacconalian
tobaconing
tobaconist
tobacconistical
tobacconists
tobacconize
tobaccophil
tobaccomroot
tobaccos
tobaccosim
tobaccoweed
tobaccowood
toes
toeshoe
toeshoes
toetoe
toey
toff
toffee
toffeeman
toffees
toffies
toffing
toffish
toffs
toffy
toffyman
toffymen
tofile
tofore
toform
toft
tofter
toftman
toftmen
tofts
toftstead
tofu
tofus
tog
toga
togae
togaed
togalike
togas
togata
togate
togated
togawise
toged
togeman
together
togetherhood
togetheriness
togetherness
togethers
togged
toggel
togger
toggeries
toilsomeness
toilworn
toise
toisech
toised
toising
toison
toist
toit
toited
toiting
toitis

toitoi
toits
toity
toivel
tokamak
tokay
tokays
toke
toked
token
token's
tokened
tokening
tokenism
tokenisms
tokenize
tokenless
tokens
tokenworth
tokes
tokhari
toking
toko
tokodynamometer
tokologies
tokology
tokoloshe
tokonoma
tokonomas
tokopat
toktokje
tokyo
tokyoite
tokyoites
tol
tola
tolamine
tolan
tolane
tolanes
tolans
tolas
tolbooth
tolbooths
tolbutamide
told
tolderia
toldo
tole
toled
toldeo
toledos
tolerability
tolerable
tolerableness
tolerablist
tolerably
tolerance
tolerances
tolerancy
tolerant
tolerantism
tolerantly
tolerate
tolerated
tolrates
tolerating
toleration
tolerationism
tolerationist
tolerative
tolerator
tollerators
tolerism
toles
toleware
tolfraedic
tolguacha
tolidin
tolidine
tolidines
tolidins
toling
tolipane
tolite
toll
tollable
tollage
tollages
tollbar
tollbars
tollbook
tollbooth
tollbooths	olled
tollent
toller
tollers
tollery
tollgate
tollgates
tollgatherer
tollhall	
tollhouse
tollhouses	
tollies
tolliker
tolling
tollkeeper
tollman
tollmaster
tollmen	
tollon
tolipenny
tolls
tolltaker
tollway
tollways
tolly
tolmen
tolpatch
tolpatchery
tolsel
tolsester
tolsey
tolstoy
tolstoyan
tolt
toltec
tolter
tolu
tolualdehyde
toluate
toluates
toluene
toluenes
toluc
toluid
toluide
toluides
toluidide
toluidin
toluidine
toluidino
toluidins
toluido
toluids
tolunitrile
toluol
toluole
toluoles
toluols
toluquinaldine
tolus
tolusafranine
tolutation
toluyl
toluylene
toluylenediamine
toluylic
toluyls
tolyl
tolylene
tolylenediamine
tolyls
tolypeutine
tolzey
tom
tomahawk
tomahawk's
tomahawked
tomahawker
tomahawking
tomahawks
tomalley
tomalleys
toman
tomand
tomans
tomatillo
tomatilloes
tomatillos
tomato
tomatoes
tomb
tomb's
tombac
tombak
tombacks
tombacs
tombak
tombaks
tombal
tombe
tombed
tombic
tombing
tombless
tomblet
tomblike
tombola
tombolo
tombolos
tomboy
tomboyful
tomboyish
tomboyishly
tomboyishness
tomboyism
tomboys
tombs
tombstone
tombstones
tomcat
tomcats
tomcatted
tomcutting
tomcod
tomcods
tome
tomeful
tomelet
toment
tomenta
tomentose
tomentous
tomentulose
tomentum
tomes
tomfool
tomfooler
tomfoole
tomfoolish
tomfoolishness
tomfools
tomia
tomial
tomin
tomines
tomish
tomium
tomiumia
tomjohn
tomjon
tomkin
tommed
tommies
tomming
tommy
tommybag
tommycod
tommyrot
tommyrots
tomnodd
tomnorry
tomnoup
tomogram
tomograms
tomograph
tomographic
tomographies
tomography
tomolo
tomomania
tomorn
tomorrow
tomorrower
tomorrowing
tomorrowness
tomorrows
tomosis
tompion
tompions
tompiper
tompon
tomrig
toms
tomtate
tomtit
tomtits
ton
ton's
tonada
tonal
tonalamatl
tonalist
tonalite
tonalities
tonalitive
tonality
tonally
tonalmatl
tonant
tonation
tondi
tondino
tondo
tone
toned
tonedefness
tonelada
toneladas
toneless
tonelessly
tonelessness
toneme
tonemes
tonemic
toneproof
toner
toners
tones
tonetic
tonetically
tonetician
tonetics
tonette
tonettes
tong
tonga
tongas
tonged
tonger
tongers
tonging
tongkang
tongman
tongmen
tongrian
tongs
tongsman
tongsman
tongue
tonguebird
tonguecraft
tongued
tonguedoughty
tonguefence
tonguefencer
tonguefish
tonguefishes
tongueflower
tongueful
tonguefuls
tongueless
tonguelessness
tonguelet
tonguelike
tongueman
tonguemanship
tonguemen
tongueplay
tongueproof
tonguer
tongues
tongueshot
tonguesman
tonguesore
tonguester
tonguetip
tonguey
tonguiness
tonguing
tonguings
tonguy
tonic
tonic's
tonical
tonically
tonicities
tonicity
tonicize
tonological
tonology
tonometer
tonometric
tonometry
tonophant
tonoplast
tonometer
tonotactic
tonotaxis
tonous
tons
tonsbergite
tonsil
tonsilar
tonsile
tonsilectomy
tonsilitic
tonsilitis
tonsillar
tonsillary
tonsillectome
tonsillectomic
tonsillectomies
tonsillectomize
tonsillectomy
tonsilith
tonsillitic
tonsillitis
tonsilloolith
tonsillotome
tonsillotomies
tonsillotomy
tonsilomycosis
tonsils
tonsor
tonsorial
tonsurate
tonsure
tonsured
tonsures
tonsuring
tontine
tontiner
tontines
tonus
tonuses
tony
toon
toons
toonwood
toop
torie
toorock
tooroo
toosh
toesie
toot
tooted
tooter
tooters
tooth
toothache
toothaches
toothaching
toothachy
toothbill
toothbrush
toothbrush's
toothbrushes
toothbrushing
toothbrushy
toothchiseled
toothcomb
toothcup
toothdrawer
toothdrawing
toothed
tooter
toothflower
toothful
toothier
toothiest
toothill
toothily
toothing
toothless
toothlessly
toothlessness
toothlet
toothleted
toothlike
toothpaste
toothpastes
toothpick
toothpick's
toothpicks
toothplate
toothpowder
toothproof
tooths
toothshell
toothsome
toothsomely
toothsomeness
toothstick
toothwash
toothwork
toothwort
toothy
tooting
tootinghole
tootle
tootled
tooter
tootlers
tootles
tooting
tootlish
tootmoot
toots
tootses
tootsie
tootsies
tootsy
toozle
toozoo
top
topaesthesia
topalgia
toparch
toparchia
toparchiae
toparchical
toparchies
toparchy
topas
topass
topato
topau
topaz
topazes
topazfels
topazine
topazite
topazolite
topazy
topc cap
topcast
topcastle
topchrome
topcoat
topcoating
topcoats
topcross
topcrosses
topdress
topdressing
tope
topechee
topectomies
topectomy
toped
topee
topees
topeewallah
topeka
topeng
topepo
toper
toperdom
topers
topes
topesthesia
topfilled
topflight
topflighter
topful
topfull
topgallant
toph
tophaceous
tophaike
tophamper
tophe
tophes
tophet
tophetic
tophetical
tophetize
tophi
tophous
topminnows
topmost
topmostl
topnotch
topnotcher
topo
topoalgia
topocentric
topochemical
topochemistry
topodeme
topog
topognosia
topognosis
topograph
topographer
topographers
topographic
topographical
topographically
topographics
topographies
topographize
topographometric
topography
topi
topolatry
topologic
topological
topologically
topologies
topologist
topologize
topology
toponarcosis
toponeural
toponeurosis
toponym
toponymal
toponymic
toponymical
toponymics
toponymies
toponymist
toponymous
toponyms
toponymy
topophobia
topophone
topopolitan
topos
topotactic
topotaxis
topotype
topotypes
topotypic
topotypical
topped
topper
toppers
toppiece
topping
toppingly
toppingness
toppings
topple
topped
toppler
topples
toppling
topply
toppy
toppy
toprail
toprope
tops
topsail
topsailite
topsails
topside
topsider
topsiders
topsides
topsl
topsman
topsmelt
topsmelts
topsmen
topsoil
topsoiled
topsoiling
topsoils
topspin
topssmelt
topstitch
topstone
topstones
topswarm
topsy
topsyturn
topsy turviness
toptyal
topwise
topwork
topworked
topworking
topworks
toque
toques
toquet
toquets
toquilla
tor
tora
torah
toras
toral
toran
torana
toras
torbanite
torbanitic
torbernite
torc
torcel
torch
torch's
torchbearer
torchbearers
torchbearing
torched
torcher
torchere
torcheres
torches
torchet
torchier
torchiers
torchiest
torching
torchless
torchlight
torchlighted
torchlike
torchlit
torchman
torchon
torchons
torchweed
torchwood
torchwort
torchy
torcs
torcular
torculus
tording
tordrillite
tore
toreador
toreadors
tored
torero
toreros
tores
toret
toreumatography
toreumatology
toreutic
toreutics
torfaceous
torfel
torfle
torgoch
tori
toric
tories
torii
torma
tormae
tormen
torrent
tormента
torrentable
torrentation
torrentative
torrented
torrentedly
tormenter
tormenters
torrentful
torrentil
tormentilla
tormenting
tormentingly
tormentingness
torrentive
torrentor
torrentors
torrentous
torrentress
tormentry
torments
tormentum
tormina
tominal
tominous
tormodont
tom
tomachile
tornada
tomade
tomadic
tornado
tomadoes
tomadoesque
tomadolike
tomadoproof
tomados
tomal
tomaria
tomariae
tomarian
tomarias
tomese
tomesi
torney
tomilla
tomillo
tomillos
tomote
tornus
toro
toroid
toroidal
toroidally
toroids
torolillo
toronja
toronto
torsiogram
torsiograph
torsiometer
torsion
torsional
torsionally
torsioning
torsionless
torsions
torsive
torsk
torsks
tоро
torsoclusion
torsoes
torsometer
torsoocclusion
torsos
tort
torta
tortays
torte
torteau
torteaus
torteaux
tortellini
torten
tortes
tortfeasor
tortfeasors
torticollar
torticollis
torticone
torte
tortil
tortile
tortility
tortilla
tortillas
tortille
tortillions
tortillon
tortious
tortiously
toris
totive
tortoise
tortoise's
toruloid
torulose
torulosis
torulous
torulus
torus
torus's
toruses
torve
torvid
torvity
torvous
tory
toryhillite
toryism
toryweed
tos
tosaphist
tosaphoth
tosca
toscanite
tosh
toshakhana
tosher
toshery
toshes
toshly
toshmail
toshy
tosily
toss
tossed
tosser
tossers
tosses
tossicated
tossily
tossing
tossingly
tossmnt
tosspot
tosspots
tossup
tossups
tossut
tossy
tost
tostada
tostado
tostamente
tostao
tosticate
tosticated
tosticating
tostication
toston
tosy
tot
totable
total
totalled
totaling
totalisator
totalise
totalised
totalises
totalising
totalism
totalisms
totalistic
totalitarian
totalitarianism
totalitarianize
totalitarianized
totalitarianizing
totalitarians
totalities
totalitizer
totality
totality’s
totalization
totalizator
totalizers
totalize
totalized
totalizer
totalizes
totalizing
totalled
totaller
totallers
totalling
totally
totalness
totals
totanine
touchmark
touchous
touchpan
touchpiece
touchstone
touchstones
touchup
touchups
touchwood	ouchy	oug	ough
toughen	oughened	oughener
tougheners	oughening	oughens
tougher	oughest
toughhead	oughhearted	oughie	oughies	oughish	oughly
toughness	oughra	oughs	ought	oughy	ould	oumnah	oup	oupee	oupeed	oupees	oupet	our	ouraco	ouracos	ourbe	ourbillion	ourbillon	oured	ourelle	ourelles	ourer
tourniquets
tournois
tournure
tours
tourt
tourte
tousche
touse
toused
tousel
touser
touses
tousing
tousle
tousled
tousles
tousling
tously
toust
toustie
tousy
tout
touted
touter
touters
touting
touts
touzle
touzled
touzles
touzling
tov
tovar
tovariaceous
tovarich
tovariches
tovarisch
tovarish
tovarishes
tovet
tow
towability
towable
towage
towages
towai
towan
toward
towardliness
towardly
towardness
towards
towaway
towaways
towbar
towboat
towboats
towcock
tow
towdie
towed
towel
towed
toweled
towelette
toweling
towelings
towelled
towelling
towelry
towels
tower
towered
towerier
toweriest
towing
towering
toweringly
toweringness
towerless
towerlet
towerlike
towerman
towermen
towerproof
towers
towerwise
towerwork
towerwort
towery
towght
towhead
towheaded
towheads
towhee
towhees
towie
towies
towing
towkay
towlike
towline
towlines
townmast
townmond
townmonds
townmont
townmonts
town
town's
towned
townee
townees
towner
townet
townfaring
townfolk
townfolks
townful
towngate
townhood
townhouse
townhouses
townie
townies
townified
townify
townifying
towniness
townish
townishly
townishness
townist
townland
townless
townlet
townlets
townlike
townling
townly
townman
townmen
towns
townsboy
townscape
townsendi
toxicants
toxicarol
toxicate
toxication
toxicemia
toxicities
toxicity
toxicodendrol
toxicoderma
toxicodermatitis
toxicodermatosis
toxicodermia
toxicodermitis
toxicogenic
toxicognath
toxicohaemia
toxicohemia
toxicoid
toxicol
toxicologic
toxicological
toxicologically
toxicologist
toxicologists
toxicology
toxicomania
toxicon
toxicopathic
toxicopathy
toxicophagous
toxicophagy
toxicophilida
toxicophobia
toxicoses
toxicosis
toxicotraumatic
toxicum
toxidermic
toxidermitis
toxifer
toxiferous
toxified
toxify
toxifying
toxigenic
toxigenicities
toxigenicity
toxilhaemia
toxihemia
toxinfection
toxiinfectious
toxin
toxinaemia
toxine
toxinememia
toxines
toxinfection
toxinfectious
toxinosis
toxins
toxiphagi
toxiphagus
toxiphobia
toxiphobic
toxiphoric
toxitabellae
toxity
toxodon
toxodont
toxogenesis
toxoglossate
toxoid
toxoids
toxology
toxolysis
toxon
toxone
toxonosis
toxophil
toxophile
toxophilism
toxophilite
toxophilitic
toxophilitsm
toxophilous
toxophily
toxophobia
toxophobic
toxophorous
toxoplasma
toxoplasmic
toxoplasmosis
toxosis
toxosozin
toxotae
toy
trabant
trabascolo
trabea
trabeae
trabeatae
trabeate
trabeated
trabeation
trabecula
trabeculae
trabecular
trabecularism
trabeculas
trabeculate
trabeculated
trabeculation
trabecule
trabes
trabu
trabuch
trabuco
trabucos	trac
tracasserie
tracasseries	trace
traceability
traceable
traceableness
traceably
traceback
traced
traceless
tracelessly	tracer
traceried
tracers
tracery
traces
trachea
tracheae
tracheaectasy
tracheal
trachealgia
trachalis
trachean
trachearian
tracheary
tracheas
tracheate
tracheated
tracheation
trachechaes
trachechas
tracheid
traceidal
tracheide
ttraceids
traceitis
trachelagra
trachelate
trachelectomopexia
trachelectectomy
trachelia
trachelismus
trachelitis
trachelium
tracheloacromialis
trachelobregmatic
tracheloclavicular
trachelycyllosis
trachelodynia
trachelology
trachelomastoid
trachelopexia
tracheloplasty
trachelorhaphy
tracheloscapular
trachelotomy
trachenchyma
tracheobronchial
tracheobronchitis
tracheocele
tracheochromatic
tracheoesophageal
tracheofissure
tracheolar
tracheolaryngeal
tracheolaryngotomy
trachelec
traceolingual
tracheopathia
tracheopathy
tracheopharyngeal
tracheophone
tracheophonesis
tracheophonine
tracheophony
tracheophyte
tracheoplasty
tracheopyosis
tracheorrhagia
tracheoschisis
tracheoscopic
tracheoscopist
tracheoscopy
tracheostenosis
tracheostomies
tracheostomy
tracheotome
tracheotomies
tracheotomist
tracheotomize
tracheotomized
tracheotomizing
tracheotomy
trachile
trachinoid
trachitis
trachle
trachled
trachles
trachling
trachodon
trachodont
trachodontid
trachoma
trachomas
trachomatous
trachomedusan
trachyandesite
trachybasalt
trachycarpous
trachychromatic
trachy dolerite
trachyglossate
trachyline
trachymedusan
trachyphonia
trachyphonous
trachypteroid
trachyspermous
trachyte
trachytes
trachytic
trachytic
tracing
tracingly
tracings
track
trackable
trackage
trackages
trackbarrow
tracked
tracker
trackers
trackhound
tracking
trackings
trackingscout
tracklayer
tracklaying
trackless
tracklessly
tracklessness
trackman
trackmanship
trackmaster
trackmen
trackpot
tracks
trackscout
trackshifter
tracksick
trackside
tracksuit
trackwalker
trackway
trackwork
traclia
tract
tract's
tractabilities
tractability
tractable
tractableness
tractably
tractarian
tractarianize
traders
tradership
trades
tradescantia
tradesfolk
tradesman
tradesmanlike
tradesmanship
tradesmanwise
tradesmen
tradespeople
tradesperson
tradeswoman
tradeswomen
tradevman
tradiment
trading
tradite
tradition
tradition’s
traditional
traditionalism
traditionalist
traditionalistic
traditionalists
traditionality
traditionalize
traditionalized
traditionally
traditionaries
traditionarily
traditionary
traditionate
traditionately
traditioner
traditionism
traditionist
traditionitis
traditionize
traditionless
traditionmonger
traditions
traditious
traditive
trador
tradorres
tradorship
traduce
traduced
traducement
traducements
traducent
traducer
traducers
traduces
traducian
traducianism
traducianist
traducianistic
traducible
traducing
traducingly
traduct
traduction
traductionist
traductive
trady
traffic
traffic's
trafficability
trafficable
trafficableness
trafficator
traffick
trafficked
trafficker
trafficker's
traffickers
trafficking
trafficks
trafficless
traffic
trafficway
trafficker
trafflike
trag
tragacanth
tragacantha
tragacanthin
tragal
tragedial
tragedian
tragedianess
tragedians
tragedical
tragedienne
trainbolt
trainboy
traineau
trained
trainee
trainee's
trainees
traineeship
trainel
trainer
trainers
trainful
trainfuls
training
trainings
trainless
trainline
trainload
trainman
trainmaster
trainmen
trainpipe
trains
trainshed
trainsick
trainsickness
trainster
traintime
trainway
trainways
trainy
traipsen
traipsed
traipses
traipsing
traist
trait
trait's
traiteur
traiteurs
traitless
traitor
traitor's
traitoress
traitorhood
traitorism
traitorize
traitorlike
traitorling
traitorly
traitorous
traitorously
traitorousness
traitors
traitorship
traitorwise
traitory
traitress
traitresses
traits
trait
traject
trajected
trajectile
trajecting
trajection
trajectitious
trajectories
trajectory
trajectory's
trajects
trajet
tralatician
tralaticiary
tralatition
tralatitious
tralatitiously
tralinate
tralira
tralucency
traluent
tram
trama
tralal
tramcar
tramcars
trame
tramel
trameled
trameling
tramell
tramelled
tramelling
tramelling
tramells
tramels
tramful
tramless
tramline
tramlines
tramman
trammed
trammel
trammed
trammeler
trammelhead
trammeling
trammelingly
trammelled
trammeller
trammelling
trammellingly
trammels
tramer
tramme
tramming
trammon
tramontana
tramontanas
tramontane
tramp
trampage
trampcock
trampdom
tramped
tramper
trampers
trampess
tramphood
tramping
trampish
trampishly
trampism
trample
trampled
trampler
trampers
tramples
tramplike
trampling
trampolin
trampoline
trampoliner
trampoliners
trampolines
trampolining
trampolinist
trampolinists
trampoose
tramposo
trampot
tramps
tranroad
tramroads
trams
transmith
tramway
tramwayman
tramwaymen
tramways
tramyard
trance
trance's
tranced
trancedly
tranceful
trancelike
trances
tranchant
tranchante
tranche
tranchefer
tranchet
tranchoir
trancing
trancoidal
traneau
traneen
tranfd
trangam
trangams
trank
tranka
tranker
trankum
tranky
tranmissibility
trannie
tranquil
tranquilier
tranquilest
tranquility
tranquilization
tranquilize
transatlantican
transatlanticism
transaudient
transaxle
transbaikal
transbaikalian
transbay
transboard
transborder
transcalency
transcalent
transcalescency
transcalescent
transceive
transceiver
transceivers
transcend
transcendant
transcended
transcendence
transcendency
transcendent
transcendental
transcendentalisation
transcendentalism
transcendentalist
transcendentalistic
transcendentalists
transcendentity
transcendentalization
transcendentalize
transcendentalized
transcendentalizing
transcendentalizm
transcendentally
transcendentals
transcendently
transcendentness
transcendible
transcending
transcendingly
transcendingness
transcends
transcension
transchange
transchanged
transchanger
transchanging
transchannel
transcience
transcolor
transcoloration
transcolour
transcolouration
transconductance
transcondylar
transcondyloid
transconscious
transcontinental
transcontinently
transcorporate
transcorporeal
transcortical
transcreate
transcribable
transcribble
transcribbler
transcribe
transcribed
transcriber
transcribers
transcribes
transcribing
transcript
transcript's
transcriptase
transcription
transcription's
transcriptional
transcriptionally
transcriptions
transcriptitious
transcriptive
transcriptively
transcripts
transcriptural
transcrystalline
transcultural
transculturally
transculturation
transcur
transcurrent
transcurrently
transcursion
transcursive
transcursively
transcurvation
transcutaneous
transdermic
transdesert
transdialect
transdiaphragmatic
transdiurnal
transduce
transduced
transducer
transducers
transducing
transduction
transductional
transe
transect
transected
transecting
transection
transects
transelement
transelemental
transelementary
transelementate
transelementated
transelementating
transelementation
transempirical
transenna
transennae
transept
transeptal
transeptally
transepts
transequatorial
transequatorially
transessentiate
transessentiated
transessentiating
transeunt
transexperiental
transexperiential
transf
transfashion
transfd
transfeature
transfeatured
transfeaturing
transfer
transfer's
transferability
transferable
transferableness
transferably
transferal
transferal's
transferals
transferase
transferee
transference
transherent
transferential
transferer
transferography
transferor
transferotype
transferrable
transferral
transferrals
transferred
transferrer
transferrer's
transferrers
transferribility
transferring
transferrins
transferor
transferotype
transfers
transfigurate
transfiguration
transfigurations
transfigurative
transfigure
transfigured
transfigurement
transfigures
transfiguring
transfiltration
transfinite
transfission
transfix
transfixation
transfixed
transfixes
transfixing
transfixion
transfixt
transfixure
transfluent
transfluvial
transflux
transformation
transform
transformability
transformable
transformance
transformation
transformation's
transformational
transformationalist
transformationist
transformations
transformative
transformator
transformed
transformer
transformers
transforming
transformingly
transformism
transformist
transformistic
transforms
transfretation
transfrontal
transfrontier
transfuge
transfugitive
transfusable
transfuse
transfused
transfuser
transfusers
transfuses
transfusible
transfusing
transfusion
transfusional
transfusionist
transfusions
transfuse
transfusively
transgeneration
transgenerations
transredient
transgress
transgressed
transgresses
transgressible
transgressing
transgressingly
transgression
transgression's
transgressional
transgressions
transgressive
transgressively
transgressor
transgressors
transshape
tranship
transhipment
transhipped
transhipping
tranships
transhuman
transhumanate
transhumanation
transhumance
transhumanize
transhumant
transience
transiciences
transicency
transient
transiently
transientness
transients
transigence
transigent
transiliac
transilience
transiliency
transilient
transilluminate
transilluminated
transilluminating
transillumination
transilluminator
transimpression
transincorporation
transindividual
transinsular
transire
transischiac
transisthmian
transistor
transistor's
transistorization
transistorize
transistorized
transistorizes
transistorizing
transistors
transit
transitable
transited
transiter
transiting
transition
transitional
transitionally
transitionalness
transitionary
transitioned
transitionist
transitions
transitival
transitive
transitively
transitiveness
transitivism
transitivities
transitivity
transitman
transitmen
transitorily
transitorisness
transitory
transitron
transits
transitu
transitus
transl
translade
translatability
translatable
translatableness
translate
transmade
transmake
transmaking
transmarginal
transmarginally
transmarine
transmaterial
transmateriation
transmedial
transmedian
transmembrane
transmen
transmental
transmentally
transmentionation
transmeridional
transmeridionally
transmethylated
transmew
transmigrant
transmigrate
transmigrated
transmigrates
transmigrating
transmigration
transmigrationism
transmigrationist
transmigrations
transmigrative
transmigratively
transmigrator
transmigrators
transmigratory
transmissibility
transmissible
transmission
transmission's
transmissional
transmissionist
transmissions
transmissive
transmissively
transmissiveness
transmissivity
transmissometer
transmissory
transmit
transmits
transmittability
transmittable
transmittal
transmittals
transmittance
transmittances
transmittancy
transmittant
transmitted
transmitter
transmitter's
transmitters
transmittible
transmitting
transmogrification
transmogrifications
transmogrified
transmogrifier
transmogrifies
t transmogrify
transmogrifying
transmold
transmontane
transmorphism
transmould
transmountain
t transmue
transmundane
transmural
transmuscle
transmutability
transmutable
transmutableness
transmutably
transmutate
transmutation
transmutational
transmutationist
transmutations
transmutative
transmutatory
transmute
transmuted
transmuter
transmutes
transmuting
transmutive
transmutual
transmutually
transnatation
transnational
transnationally
transnatural
transnaturation
transnature
transnihilation
transnormal
transnormally
transocean
transoceanic
transocular
tansom
tansomed
tansom's
tansonic
tansonic
transorbital
transovarian
transp
transpacific
transpadiane
transpalatine
transpalmar
transpanamic
transparency
transparencies
transparency's
transparen
transparentize
transparently
transparenthood
transparietal
transparish
transpass
transpassional
transpatronized
transpatronizing
transpeciate
transpeciation
transpeer
transpenetrable
transpenetration
transpeninsular
transpeninsular
transpeptidation
transperitoneal
transpulmonary
transput
transpyloric
transradiable
transrational
transrationally
transreal
transrectification
transrhenane
transrhodanian
transriverina
transriverine
transscriber
transsegmental
transsegmentally
transsensual
transsensually
transseptal
transsepulchral
transsexual
transsexualism
transsexuality
transsexuals
transshape
transshaped
transshaping
transshift
transship
transshipment
transshipped
transshipping
transships
transsocietal
transsolid
transsonic
transstellar
transsubjective
transtemporal
transthalamic
transthoracic
transthoracically
transtracheal
transsubstantial
transsubstantially
transsubstantiate
transsubstantiated
transsubstantiating
transsubstantiation
transubstantiationalist
transubstitutionite
transubstantiative
transubstantiatively
transubstantiatory
transudate
transudation
transudative
transudatory
transude
transuded
transudes
transuding
transume
transumed
transuming
transumpt
transumption
transumptive
transuranian
transuranic
transuranium
transurethral
transuterine
transvaal
transvaluate
transvaluation
transvalue
transvalued
transvaluing
transvasate
transvasation
transvase
transvectant
transvection
transvection
transvenom
transverbate
transverbation
transverberate
transverberation
transversal
transversale
transversalis
transversality
transversally
transversan
transversary
transverse
transversely
transverseness
transverser
transverses
transversion
transversive
transversocubital
transversomedial
transversospinal
transversovertical
transversum
transversus
transvert
transverter
transvest
transvestism
transvestite
transvestites
transvestitism
transvolation
transwritten
trant
tranter
trantlum
tranvia
trap
trap's
trapaceous
trapan
trapanned
trapanner
trapanning
traps
trapball
trapballs
trapdoor
trapdoors
trapes
trapesed
trapeses
trapesing
trapezate
trapeze
trapezes
trapezia
trapezial
trapezian
trapeziform
trapezing
trapeziometacarpal
trapezist
trapezium
trapeziums
trapezius
trapeziuses
trapezohedra
trapezohedral
trapezohedron
trapezohedrons
trapezoid	
trapezoid's
trapezoidal
trapezoidiform
trapezoids
trapezophora
trapezophoron
trapezophozophora
trapfall
traphole
trapiche
trapiferous
trapish
traplight
traplike
trapmaker
trapmaking
trapnest
trapnested
trapnesting
trapnests
trappabilities
trappability
trappable
trappean
trapped
trapper
trapper's
trapperlike
trappers
trappier
trappiest
trappiness
trapping
trappingly
trappings
trappist
trappoid
trappose
trappous
trappy
traprock
traprocks
traps
trapshoot
trapshooter
trapshooting
trapstick
trapt
trapunto
trapuntos
trasformism
trash
trashed
trashery
trashes
trashier
trashiest
trashify
trashily
trashiness
trashng
traship
trashless
trashman
trashmen
trashrack
trashtrie
trashy
trass
trases
trasy
tratler
trattle
trattoria
trauchle
trauchled
trauchles
trauchling
traulism
trauma
traumas
traumasthenia
traumata
traumatic
trawleys
crawling
crawlnet
crawls
tray
tray's
trayful
trayfuls
traylike
traymobile
trayne
trays
trazia
treacher
treacheries
treacherous
treacherously
treacherousness
treachery
treachery's
treachousness
treacle
treacleberries
treacleberry
treaclelike
treacles
treaclewort
treacliness
treacly
tread
treadboard	
treaded
treader
treaders
treading	
treadle
treadled
teadler
teadlers
teadles
teadless
teadling
treadmill
treadmills
treadplate
treads
treadwheel
tegue
treatments
treater
treats
treaty
treaty's
treatyst

treatyite
treatyless
treble
trebled	
trebleness
trebles	
treblet
trebletree	
trebling
treblly
trebuchet
trebucket
trecentist

trecento
trecentos
trechmannite
treckpot
treckschuyt
treddle
treddled
treddles
treddling	
tredcaphobia
tredcile
tredcilellion
tredcillions
tredcillionth	
tredfowl

tredille	
tredrille
tree
tree's
treebeard	
trebine	
treed	
treefish	
treeishes	
treeful	
treecairo	
treecyard	
treecy

treefishes
treeiness
treeing
treeless
treelessness
treelike
treelikeness	
treeline	
treelined
treeling
treemaker
treemaking	
treeman
treen
treenail	
treenails
treenware
trees
treescape
treeship
treespeeler
treetise	
treetop
treetop's
treetops	
treeward
treewards
treety
tref		
trefa
trefah
treffordd
trefle
treflee
trefoil
trefoil
trefoil
trefoilwise	
tregadyne
tregerg	
treget
tregetour
tregohm
trehala	
trehala
trehalase
trehalose
treillage
trencherside
trencherwise
trencherwoman
trenches
trenchful
trenching
trenchlet
trenchlike
trenchmaster
trenchmore
trenchward
trenchwise
trenchwork
trend	
trended
trendel
trendier
trendiest
trendily	
trendiness
trending
trendle
trends	
trendy
trental
trentepohliaceous	
trentine
trenton
trepak
trepan	
trepanation
trepan
trepanter
trepaned
trepanning
trepanningly
treps
trephination
trephine
trephined
trephiner
trephines
trephining
trephocyte
trephone
trepid
triatc
triactinal
triactine
riad
triadelphous
triadic
triadical
triadically
triadics
triadism
triadisms
triadist
trias
triaene
triaenose
riage
riage
trigonal
triakid
triakisicosahedral
triakisicosahedron
triakisoctahedral
triakisoctahedrid
triakisoctahedron
triakistetrahedral
triakistetrahedron
trial
trial's
trialate
trialism
trialist
triality
trialogue
trials
triamcinolone
triamid
triamide
triamin
triamine
triamino
triammonium
triamorph
triamorphous
triamylose
triander
triandria
triandrian
triandrous
triangle
triangle's
triangled
triangler
triangles
triangleways
trianglewise
trianglework
triangular
triangularis
triangularity
triangularly
triangulate
triangulated
triangulately
triangulates
triangulating
triangulation
triangulations
triangulator
trianguloid
triangulopyramidal
triangulotriangular
triannual
triannulate
trianon
triantelope
triathous
triapsal
triapsidal
triarch
triarchate
triarchies
triarchy
triartistic
triarcuated
triareal
triarian
triarii
triarticulate
triary
trias
triassic
triaster
triatic
triatomic
triatomically
triatomicity
triaxal
triaxial
triaxiality
triaxon
triaxonian
triazane
triazin
triazine
triazines
triazines
triazo
triazoic
triazole
triazoles
triazolic
trib
tribade
tribades
tribadic
tribadism
tribadistic
tribady
tribal
tribalism
tribalist
tribally
tribarred
tribase
tribasic
tribasicity
tribasilar
tribble
tribe
tribe's
tribeless
tribelet
tribelike
tribes
tribesfolk
tribeship
tribesman
tribesmanship
tribesmen
tribespeople
tribeswoman
tribeswomen
triblastic
triblet
triboelectric
triboelectricity
tribofluorescence
tribofluorescent
tribological
tribologist
tribology
triboluminescence
triboluminescent
tribometer
tribophosphorescence
tribophosphorescent
tribophosphoroscope
tribophysics
triborough
tribrac
tribrach
tribachial
tribachic
tribachs
tribracteate
tribracteolate
tribromacetic
tribromid
tribromide
tribromoacetaldehyde
tribromoethanol
tribromophenol
tribromophenate
tribromphenol
tribual
tribually
tribular
tribulate
tribulation
tribulations
tribuloid
tribuna
tribunal
tribunal's
tribunals
tribunary
tribunate
tribune
tribune's
tribunes
tribuneship
tribunicial
tribunician
tribunitial
tribunitian
tribunitary
tribunitive
tributable
tributaries
tributarily
tributariness
tributary
tribute
tribute's
tributed
tributer
tributes
tributing
tributist
tributarian
tributarian
tributary
trica
tricae
tricalcic
tricalcium
tricapsular
tricar
tricarballylic
tricarbimide
tricarbon
tricarboxylic
tricarinate
tricarinated
tricarpellary
tricarpellate
tricarpous
tricaudal
tricaudate
trice
triced
tricellular
tricenaries
tricenarious
tricenarium
tricenary
tricennial
tricentenarian
tricentenary
tricentennial
tricentennials
tricentral
tricephal
tricephalic
tricephalous
tricephalus
triceps
tricepses
triceratops
triceratopses
triceria
tricerion
tricerium
trices
trichatrophia
trichauxis
trichechine
trichechodont
trichevron
trichi
trichia
trichiasis
trichina
trichinae
trichinal
trichinas
trichinella
trichiniasis
trichiniferous
trichinisation
trichinise
trichinised
trichinising
trichinization
trichinize
trichinized
trichinizing
trichinoid
trichinophobia
trichinopoli
trichinopoly
trichinoscope
trichinoscopy
trichinosed
trichinoses
trichinosis
trichinotic
trichinous
trichion
trichions
trichite
trichites
trichitic
trichitis
trichiurid
trichiurid
trichlorethylene
trichlorethylenes
trichlorfon
trichlorid
trichloride
trichloromethane
trichloro
trichloroacetaldehyde
trichloroacetic
trichloroethane
trichloroethylene
trichlororomethane
trichloromethanes
trichloromethyl
trichloronitromethane
trichobacteria
trichobezoar
trichoblast
trichobranchia
trichobranchiate
trichocarpous
trichocephalisis
trichoclasia
trichoclasis
trichocyst
trichocystic
trichode
trichoepithelioma
trichogen
trichogenous
trichoglossia
trichoglossine
trichogyne
trichogynial
trichogynic
trichoid
trichological
trichologist
trichology
trichoma
trichostongylid
trichothallic
trichotillomania
trichotomic
trichotomies
trichotomism
trichotomist
trichotomize
trichotomous
trichotomously
trichotomy
trichroic
trichroism
trichromat
trichromate
trichromatic
trichromatism
trichromatist
trichromatopsis
trichrome
trichromatic
trichronous
trichuriases
trichuriasis
trichy
tricing
tricinium
tricipital
tricircular
trick
tricked
tricker
trickeries
trickers
trickery
trickful
trickie
trickier
trickiest
trickily
trickiness
tricking
trickingly
trickish
trickishly
trickishness
trickle
trickled
triconch
tronodont
triconodontid
triconodontoid
triconodonty
triconsonantal
triconsonantalism
tricophorous
tricorn
tricorne
tricorne
ticornes
tricorns
tricornute
tricorporal
tricorporate
tricoryphean
tricosane
tricosanone
tricostate
tricosyl
tricosylic
tricot
tricotee
tricotine
tricots
tricotyledonous
tricouni
triresol
tricotic
tricotism
tricrotous
tricrural
trictrac
trictracs
tricurvate
tricuspal
tricuspid
tricuspidal
tricuspidate
tricuspidated
tricussate
tricyanide
tricycle
tricycled
tricyclone
tricycler
tricycles
tricyclic
tricycling
tricyclist
trid
tridacna
tridactyl
tridactylos
tridaily
triddler
tridecane
tridecene
tridecilateral
tridecoic
tridecyl
tridecylene
tridecyclic
trident
tridental
tridentate
tridentated
tridentiferous
tridentine
tridentlike
tridents
tridepside
tridermic
tridiagonal
tridiometral
tridiapason
tridigitate
tridii
tridimensional
tridimensionality
tridimensionally
tridimensioned
tridiurnal
tridominium
tridra
tridrachm
triduam
triduan
triduo
triduum
triduums
tridymite
tridynamous
tricious
triciously
trigatron
trigeminal
trigemini
trigeminous
trigeminus
trigeneric
trigesimal
trigged
trigger
triggered
triggerfish
triggerfishes
triggering
triggerless
triggerman
triggers
triggest
trigging
trigintal
trigintennial
triglandular
triglid
triglochid
triglochin
triglot
trigly
triglyceride
triglycerides
triglyceryl
triglyph
triglyphal
triglyphed
triglyphic
triglyphical
triglyphs
trigness
trignesses
trigo
trigon
trigona
trigonal
trigonally
trigone
trigonellin
trigonelline
trigoneutic
trigoneutism
trigoniacean
trigoniaceous
trigonic
trigonid
trigonite
trigonitis
trigonocephalic
trigonocephalous
trigonocephaly
trigonocerous
trigonododecahedron
trigonodont
trigonoid
trigonometer
trigonometria
trigonometric
trigonometrical
trigonometrically
trigonometrician
trigonometries
trigonometry
trigonon
trigonotype
trigonous
trigons
trigonum
trigos
trigram
trigrammatic
trigrammatism
trigrammic
trigrams
trigraph
trigraphic
trigraphs
trigs
triguttulate
trigyn
trigynia
trigynian
trigynous
trihalid
trihalide
trihedra
trihedral
trihedron
trihedrons
trihemeral
trihemimer
trihemimeral
trihemimeris
trihemiobol
trihemiobolion
trihemitetartemorion
trihoral
trihourly
trihybrid
trihydrate
trihydrated
trihydric
trihydride
trihydrol
trihydroxy
trihyposstatic
triiodomethane
triiodothyronine
trijet
trijets
trijugate
trijugous
trijunction
trikaya
trike
triker
trikeria
trikerion
triketo
triketone
trikir
trilabe
trilabiate
trilamellar
trilamellated
trilaminar
trilaminate
trilarcenous
trilateral
trilaterality
trilaterally
trilaterality
trilaterality
trilateration
trilaurin
trilbies
trilby
trilemma
trilinear
trilineate
trilineated
trilingual
trilingualism
trilingually
trilinguar
trilinolate
trilinoleate
trilinolenate
trilinolenin
trilit
trilite
triliteral
triliteralism
triliterality
triliterally
triliteralness
trilith
trilithic
trilithon
trilium
trill
trillachan
trillado
trillando
trilled
triller
trillers
trillet
trilleto
trilletto
trilli
trilliaceous
trillibub
triliin
trillil
trilling
trillion
trillionaire
trillionize
trillions
trillionth
trillionths
trillium
trilliums
trillo
triloes
trills
trilobal
trilobate
trilobated
trilobation
trilobe
trilobed
trilobite
trilobitic
trilocular
triloculate
trilogic
trilogical
trilogies
trilogist
trilogy
trilophodont
triluminar
triluminous
trim
trimacer
trimacular
trimaculate
trimaculated
trimaran
trimarans
trimargarate
trimargarin
trimastigate
trimellic
trimellitic
trimembral
trimensual
trimer
trimercuric
trimeric
trimere
trimere
trimere
trimerite
trimerization
trimero
trimeres
trimesic
trimesinic
trimesitic
trimesitin
trimester
trimesters
trimestral
trimestrial
trimesyl
trimetalism
trimetallic
trimetallism
trimeter
trimeters
trimethadione
trimethoxy
trimethyl
trimethylacetic
trimethylamine
trimethylbenzene
trimethylene
trimethylglycine
trimethylmethane
trimethylstibine
trimetric
trimetrical
trimetrogon
trimly
trimmed
trimmer
trimmers
trimmest
trimming
trimmingly
trimmings
trimness
trimnesses
trimodal
trimodality
trimolecular
trimonthly
trimoric
trimorph
trimorphic
trimorphism
trimorphous
trimorphs
trimotor
trimotored
trimotors
trims
trimscript
trimscripts
trimstone
trimtram
trimucronatus
trimurti
trimuscular
trimeystate
trimyristin
trim
trina
trinacrian
trinal
trinality
trinatalize
trinary
trination
trinational
trinchera
trindle
trindled
trindles
trindling
trine
trined
trinely
trinervate
trinerve
trinerved
trines
trineural
tringle
tringoid
trinidad
trinidad
trining
trinitarian
trinitarianism
trinitarians
trinitaries
trinitrate
trinitration
trinitrid
trinitride
trinitrin
trinitro
trinitroaniline
trinitrobenzene
trinitrocarbolic
trinitrocellulose
trinitocresol
trinitroglycerin
trinitromethane
trinitrophenol
trinitrophenylmethylnitramine
trinitroresorcin
trinitrotoluene
trinitrotoluol
trinitroxylene
trinitroxylol
trinity
trinityhood
trinitytide
trink
trinkerman
trinkermen
trinkel
trinkel's
trinketed
trinketer
trinketing
trinketries
trinketry
trinkets
trinkety
trinkle
trinklement
trinklet
trinkum
trinkums
trinocital
trinocital
trinocular
trinodal
trinode
trinodine
trinol
trinomen
trinomial
trinomialism
trinomialist
trinomiality
trinomially
trinopticon
trindle
trinucleate
trinucleotide
trinunity
trio
triobol
triobolon
triocctile
trioccurar
triode
triodes
triadia
triodion
triodontoid
trioecia
trioecious
trioeciously
trioecism
trioecs
trioicous
triol
triolcous
triole
trioleate
triolefin
triolefine
trioleic
triolein
triolet
triolets
triology
triois
trional
triones
trionfi
trionfo
trionychid
trionychoid
trionychoidean
trionym
trionymal
trionyx
triperculate
trior
triorchis
triorchism
trioorthogonal
trios
triose
trioeses
triovulate
trioxazine
trioxid
trioxide
trioxides
trioxids
trioxyethylene
triozonid
triozonide
trip
trip's
tripack
tripacks
tripal
tripaleolate
tripalmitate
tripalmitin
tripara
tripart
triparted
tripartedly
tripartible
tripartient
tripartite
tripartitely
tripartition
tripaschal
tripe
tripedal
tripel
tripleennamine
tripelike
tripe
trieman
triemonger
triennate
tripenny
tripeptide
trieries
tripersonal
tripersonalism
tripersonalist
tripersonality
tripersonally
tripery
tripes
tripeshop
tripestone
tripetaloid
tripetalous
tripewife
tripewoman
triphammer
triphane
triphase
triphaser
triphasic
triphenyl
triphenylamine
triphenylated
triphenylcarbinol
triphenylmethane
triphenylmethyl
triphenylphosphine
triphibian
triphibious
triphyony
triphsphate
triphtong
triphtongal
triphyletic
triphyline
triphylite
triphyllous
tripinnate
tripinnated
tripinnately
tripinnatifid
tripinnatisect
tripl
tripla
triplane
triplanes
triplasian
triplastic
triple
tripleback
tripled
triplefold
triplegia
tripleness
tripler
triples
triplet
triplet's
tripletail
tripletree
triplets
triplewise
triplex
triplexes
triplexity
triplicate
triplicated
triplicately
triplicates
triplicating
triplication
triplications
triplicative
triplicature
triplice
triplicities
triplicity
triplicostate
tripliform
triplinerved
tripling
triplite
triplites
triploblastic
triplocaulescent
triplocaulous
triploid
triploidic
triploidite
triploids
triploidy
triplopedia
triplopy
triplum
triplumbic
triply
tripmadam
tripod
tripodal
tripodial
tripodian
tripodic
tripodical
tripodies
tripods
tripody
tripointed
tripolar
tripoli
tripoline
tripolis
tripolite
tripos
triposes
tripot
tripotage
tripotassium
tripoter
trippant
trippped
tripper
trippers
trippet
trippets
tripping
trippingly
trippingness
trippings
trippist
tripple
trippler
trips
tripsill
tripsis
tripsome
tripsomely
tript
triptane
triptanes
tripterous
triptote
triptyca
triptycas
triptych
triptychs
triptyque
tripudia
tripudial
tripudiant
tripudiary
tripudiate
tripudiation
tripudist
tripudium
tripunctal
tripunctate
tripwire
tripy
tripylaean
tripylarian
tripylean
tripyrenous
triquadrantal
triquet
triquetra
triquetral
triquetric
triquetrous
triquetrously
triquetrum
triquinate
triquinoyl
triradial
triradially
triradiate
triradiated
triradiately
triradiation
triradii
triradius
triradiuses
trirectangular
triregnum
trireme
triremes
trihomohedral
trihomboidal
triricinolein
trisaccharide
trisaccharose
trisacramentarian
trisagion
trisalt
trisazo
triscele
trisceles
trisceptral
trisect
trisected
trisecting
trisection
trisections
trisector
trisectrix
trisects
triseme
trisemes
trisemic
trisensory
trisepalous
triseptate
triserial
triserially
triseriate
triseriatim
trisetose
trisha
trishaw
trishna
trisilane
trisilicane
trisilicate
trisilicic
trisinuate
trisinuated
triskaidekaphobe
triskaidekaphobes
triskaidekaphobia
triskele
triskeles
triskelia
triskelion
trismegist
trismegistic
trismic
trismus
trismuses
trisoctahedral
trisoctahedron
trisodium
trisome
trisomes
trisomic
trisomics
trisomies
trisomy
trisonant
trispast
trispaston
trispermous
trispinose
trisplanchnic
trisperic
trisperous
trisquare
trist
tristachyous
tristan
tristate
triste
tristearate
tristearin
tristeness
tristesse
tristetrahedron
tristeza
tristezas
tristful
tristfully
tristfulness
tristich
tristichic
tristichous
tristichs
tristigmatic
tristigmatose
tristiloquy
tristimulus
tristisonous
tristive
tristram
tristylous
tristyly
trisubstituted
trisubstitution
trisul
trisula
trisulc
trisulcate
trisulcated
trisulfate
trisulfid
trisulfide
trisulfone
trisulfoxid
trisulfoxide
trisulphate
trisulphid
trisulphide
trisulphone
trisulphonic
trisulphoxid
trisulphoxide
trisylabic
trisyllabic
trisyllabic
trisyllabically
trisyllabism
trisyllabity
trisyllable
trit
tritactic
tritagonist
tritangent
tritangential
tritanope
tritanopia
tritanopic
tritanopsis
tritanoptic
tritaph
trite
tritely
tritemorion
tritencephalon
triteness
triter
triternate
triternately
triternary
triternary
triterpene
triterpenoid
tritest
tritetartemorion
tritheism
tritheist
tritheistic
tritheistical
tritheite
tritheocracy
trithing
trithings
trithioaldehyde
trithiocarbonate
trithiocarbonic
trithionate
trithionates
trithionic
tritiate
tritiated
tritical
triticale
triticality
tritically
triticalness
triticeous
triticeum
triticin
triticism
triticoid
triticum
triticums
tritish
tritium
tritiums
tritocerebral
tritocerebrum
tritonce
tritoconid
tritolo
tritoma
tritomas
tritomite
triton
tritonal
tritonality
tritone
tritones
tritonic
tritones
trito cocci
tritonomyphal
tritonomyphal
tritopatores
tritopause
tritor
tritoral
tritorium
tritoxd
tritoxoid
tritriac ontane
trittihan
tritubercular
trituberculosis
trituberculy
triturable
tritural
triturate
triturated
triturates
triturating
trituration
triturator
triturators
triturature
titure
triturium
trityl
triumf
triumph
triumphal
trumphant
triumphantly
triumphator
triumphed
trumper
trumping
triumphs
triumphwise
triumvir
triumviral
triumvirate
triumvirates
triumviri
triumvirs
triumvirship
triumviry
triunal
triune
trunes
triungulin
triunification
triunion
trinitarian
trinities
trinity
trunsaturated
tririd
trivalence
trivalency
trivalent
trivalerin
trivalve
trivalves
trivalvular
trivant
trivantly
trivariant
trochite
trochitic
trochlea
trochleae
trochlear
trochleariform
trochlearis
trochleary
trochleas
trochlate
trochleiform
trochocephalia
trochocephalic
trochocephalus
trochocephaly
trochodendraceous
trochoid
trochoidal
trochoidally
trochoides
trochoids
trochometer
trochophore
trochosphere
trochospherical
trochozoic
trochozoan
trochus
trock
trocked
trockery
trocking
trocks
troco
troctolite
trod
trodden
trode
troegerite
troffer
troffers
troft
trog
trogerite
troger
troggin
troggs
troglytal
troglodyte
troglodytes
troglodytic
troglodytical
troglodytish
troglodytism
trogon
trogonoid
trogons
trogs
troge
troic
troika
trokas
troilism
troilite
troilites
troilus
troiluses
trios
trojan
trojans
troke
troked
troker
trokes
troking
troland
trolands
trolatitious
troll
troll's
trolldom
trolled
trolleite
troller
trollers
trolley
trolley's
trolleybus
trolleys
trolleyed
trolleyer
trolleyful
trolleying
trolleyman
trolleymen
trolleys
trollflower
trollied
trollies
trollimog
trolling
trollman
trollmen
trollol
trollop
trollopian
trolloping
trollopish
trollops
trollopy
trolls
tolly
tollying
tollyman
tollymen
tromba
trombash
trombe
trombiculid
trombidiasis
trombidiosis
trombone
trombones
trombonist
trombonists
trombony
trommel
trommels
tromometer
tromometrical
tromometrical

The text appears to be a list of words, possibly generated by a word generator or similar tool.
tropeine
tropeolin
troper
tropes
tropesia
trophaea
trophaeum
trophal
trophallactic
trophallaxis
trophectoderm
trophedema
trophema
trophesial
trophesy
trophi
trophic
trophical
trophically
trophicity
trophied
trophies
trophism
trophobiont
trophobiosis
trophobiotic
trophoblast
trophoblastic
trophochromatin
trophocyte
trophoderm
trophodisc
trophodynamic
trophodynamics
trophogenesis
trophogenic
trophogeny
trophology
trophon
trophonema
trophoneurosis
trophoneurotic
trophonian
trophonucleus
trophopathy
trophophore
trophophorous
trophophyte
trophoplasm
trophoplasmatic
trophoplasmic
trophoplast
trophosomal
trophosome
trophosperm
trophosphere
trophospongia
trophospongial
trophospongium
trophospore
trophotaxis
trophotherapy
trophothylax
trophotropic
trophotropism
trophozoite
trophozooid	
trophy
trophy's	
trophying
trophyless	
trophywort
tropia
tropic
tropic's
tropical
tropicali

tropicalisation
tropicalise
tropicalised
tropicalising
tropicality
tropicalization
tropicalize
tropicalized
tropicalizing
tropically
tropicbird
tropicopolitan
tropics
tropidine
tropin
tropine
tropines
tropins
tropism
trotted  
trotter  
trotters  
trotteur  
tottie  
trotting  
trottes  
trottoir  
trottoired  
trotty  
trotyl  
trotys  
troubadour  
troubadour  
troubadourish  
troubadourism  
troubadourist  
troubadours  
trouble  
troubled  
troubledly  
troubledness  
troublemaker  
troublemaker's  
troublemakers  
troublemaking  
troublemement  
troubleproof  
troubler  
troublers  
troubles  
troubleshoot  
troubleshooted  
troublesruiter  
troublesruaters  
troublesuoting  
troubleshoots  
troubleshot  
troublesome  
troublesomely  
troublesomeness  
troublesshot  
troubling  
troublingly  
troublous  
troublously  
troublousness  
troubly
troutless
troulet
trottlike
trottling
trots
trotty
trou
trouville
trouvailles
trouvere
trouveres
trouveur
trouveurs
trouvre
trovatore
trove
troveless
trover
trovers
troves
trow
trowable
trowane
trowed
trowel
trowel's
trowelbeak
troweled
troweler
trowelers
troweful
troweling
trowelled
troweller
trowelling
trowelman
trowels
trowie
trowing
trowlesworthite
trowman
trows
trowsers	rowth
trowths
troy
troys
trp
trpset
trs
trt
truancies
trucancy
truandise
truant
truant's
truantcy
truanted
truanting
truantism
truantlike
truantly
truantness
truantries
truantry
truants
truantship
trub
trubu
truce
trucebreaker
trucebreaking
truced
truceless
trucemaker
trucemaking
truces
trucha
truchman
trucial
trucidation
trucing
truck
truckage
truckages
truckdriver
trucked
truckier
truckers
truckful
truckie
truckings
truck
truckled
truckler
trumpeter
trumpeters
trumpefish
trumpetfishes
trumpeting
trumpetleaf
trumpetless
trumpetlike
trumpetry
trumpets
trumpetweed
trumpetwood
trumpety
trumph
trumple
trumping
trumpless
trumplike
trumps
trumscheit
trun
tручage
trunca
trunicate
trunicated
trunctately
trunctates
trunctating
truncation
truncation’s
truncations
trunctor
truncatorotund
truncatosinuate
truncature
trunch
trunched
truncheon
truncheoned
truncheoner
truncheoning
truncheons
truncher
trunchman
truncus
trundle
trundled
trundlehead
trundler
trundlers
trundles
trundleshot
trundletail
trundling
trunk
trunk's
trunkback
trunked
trunkfish
trunkfishes
trunkful
trunkfuls
trunking
trunkless
trunkmaker
trunknose
trunks
trunkway
trunkwork
trunnel
trunnels
trunnion
trunnioned
trunnionless
trunnions
truong
trash
trusion
truss
trussed
trussell
trusser
trussers
trussery
trusses
trussing
trussings
trussmaker
trussmaking
trusswork
trust
trustability
trustable
trustableness
trustably
trustbuster
trustbusting
trusted
trustee
trustee's
trusteed
trusteering
trusteeism
trustees
trusteeship
trusteeships
trusteings
trusten
trusters
trustful
trustfully
trustfulness
trustier
trusties
trustiest
trustification
trustified
trustify
trustifying
trustihood
trustily
trustiness
trusting
trustingly
trustiness
trustle
trustless
trustlessly
trustlessness
trustman
trustmen
trustmonger
trustor
trusts
trustwoman
trustwomen
trustworthier
trustworthiest
trustworthily
trustworthiness
trustworthy
trusty
truth
tubbist
tubboe	
tubby
tube
tubectomies
tubectomy
tubed
tubeflower
tubeform
tubeful
tubehead
tubehearted
tubeless
tubelet
tubelike
tubemaker
tubemaking
tubeman
tubemen
tubenose
tuber
tuberaceous
tuberation
tubercle
tubercled
tuberclelike
tubercles
tubercula
tubercular
tuberculariaceous
tubercularisation
tubercularise
tubercularised
tubercularising
tubercularization
tubercularize
tubercularized
tubercularizing
tubercularly
tubercularness
tuberculate
tuberculated
tuberculatedly
tuberculately
tuberculation
tuberculatogibbous
tuberculatonodose
tuberculatoradiate
tuberculatospinous
tubercule
tuberculed
tuberculid
tuberculide
tuberculiferous
tuberculiform
tuberculin
tuberculination
tuberculine
tuberculinic
tuberculinisation
tuberculinise
tuberculinised
tuberculinising
tuberculinization
tuberculinize
tuberculinized
tuberculinizing
tuberculisation
tuberculise
tuberculised
tuberculising
tuberculization
tuberculize
tuberculocele
tuberculocidin
tuberculoderma
tuberculoid
tuberculoma
tuberculomania
tuberculomas
tuberculomata
tuberculophobia
tuberculoprotein
tuberculose
tuberculosectorial
tuberculosed
tuberculoses
tuberculosis
tuberculotherapist
tuberculotherapy
tuberculotoxin
tuberculotrophic
tuberculous
tuberculously
tuberculousness
tuberculum
tuberiferous
tuberiform
tuberin
tuberization
tuberize
tuberless
tuberoid
tuberose
tuberoses
tuberosities
tuberosity
tuberos

tuberously
tuberousness
tubers
tuberuculate
tubes
tubesmith
tubesnout
tubework
tubeworks
tubfish
tubfishes
tubful
tubfuls
tubhunter
tubicen
tubicinate
tubicination
tubicolar
tubicolous
tubicorne
tubicor

tubicornous
tubifacient
tubifer
tubiferous
tubifex
tubifexes
tubifid
tubiflorous
tubiform
tubig
tubik
tubilingual
tubinarial
tubinarine
tubing
tubings
tubiparous
tubipore
tubiporid
tubiporoid
tubiporous
tublet
tublike
tubmaker
tubmaking
tubman
tubmen
tuboabdominal
tubocularine
tuboid
tubolabellate
tuboligamentous
tuboovarial
tuboovarian
tuboperitoneal
tuborrhea
tubotympanal
tubovaginal	
tubs
tubster
tubtail
tubular
tubularia
tubularian
tubularidan
tubularity	
tubularly
tubulate
tubulated
tubulates
tubulating
tubulation
tubulator
tubulature
tubule
tubules
tubulet
tubuli
tubulibranch
tubulibranchian
tubulibranchiate
tubulidentate
tubuliferan
tubuliferous
tubulifloral

tubuliflorous

tubuliform

tubulipore

tubuliporid

tubuliporoid

tubulization

tubulodermoid

tubuloracemose

tubulosaccular

tubulose

tubulostriatato

tubulous

tubulously

tubulousness

tubulure

tubulures

tubulus

tubuphone

tubwoman

tucandera

tuchis

tuchit

tuchun

tuchunate

tuchunism

tuchunize

tuchuns
	

tuck

tuckahoe

tuckahoes
	
tucked

tucker

tuckererd

tuckering

tuckermanity

tuckers

tucket

tuckets

tucking

tuckner

tucks

tuckshop

tucktoo

tucky

tucotuco

tucson

tucum
tucuma
tucuman
tucutucu	udel	udor
tue	uebor
tuedian	ueiron
tuesday	tuesday's
tuesdays
tufa
tufaceous	ufalike
tufan	ufas
tuff
tuffaceous
tuffet
tuffets
tuffing	tuffoon
tuffs
tuft
tuft's
tuftaffeta
tufted
tufter
tufters
tufthunter
tufthunting
tuftier
tufliest
tuftily
tufting
tuftlet
tufts
tufty	tug
tugboat
tugboatman
tugboatmen
tugboats	tugged	tugger	tuggers	tuggery
tugging
tuggingly	
tughra
tugless
tuglike
tugman
tugrik
tugriks
tugs
tugui
tuguria
tugurium
tui
tuik
tuille
tuilles
tuillette
tuilzie
tuiazza
tuinga
tuis
tuism	
tuition	
tuitional	
tuitionary	
tuitionless	
tuitions	
tuitive	
tuive	
tuke	
tukra	
tukutuku	
tula	
tuladi	
tuladis	
tularaemia	
tularaemic	
tulare	
tularemia	
tularemic	
tulasi	
tulcan	
tulchan	
tulchin	
tule	
tules	
tuliac	
tulip	
tulip’s
tump
tumphy
tumpline
tumplines
tumps
tumtum
tumular
tumulary
tumulate
tumulation
tumuli
tumulose
tumulosity
tumulous
tumult
tumult's
tumulter
tumults
tumultiaries
tumultuarily
tumultuariness
tumultiury
tumultuate
tumultuation
tumultuos
tumultuous
tumultuously
tumultuousness
tumultus
tumulus
tumuluses
tun
tuna
tunability	unable	unableness	unably	unaburger	unal	unas	unbellied	unbelly	unca	und	undagslatta	undation	under	undish
tundishes
tundra
tundras
tundun
tune
tuneable
tuneableness
tuneably
tuned
tuneful
tunefully
tunefulness
tuneless
tunelessly
tunelessness
tunemaker
tunemaking
tuner
tuners
tunes
tunesmith
tunesome
tunester
tuneup
tuneups
tunful	ung	ungah	ungate	ungo	ungos	ungs	ungstate	ungsten	ungstenic	ungsteniferous	ungstenite	ungstens	ungstic	ungstite	ungstosilicate	ungstosilicic	ungstous	ungus	ungusic	unhoof	unic	unic's
turaco
turacos
turacou
turacous
turacoverdin
turakoo
turanian
turanite
turanose
turb
turban
turban's
turbaned
turbanesque
turbanette
turbanless
turbanlike
turbanned
turbans
turbanto
turbantop
turbanwise
turbaries
turbary
turbeh
turbellarian
turbellariform
turbescency
turbeth
turbeths
turbid
turbidimeter
turbidimetric
turbidimetrically
turbidimetry
turbidite
turbidities
turbidity
turbidly
turbidness
turbinaceous
turbinage
turbinal
turbinals
turbinate
turbinated
turbination
turbinatoconcave
turbinatocylindrical
turbinatoglobose
turbinatostipitate
turbine
turbinectomy
turbined
turbinelike
turbinelloid
turbiner
turbines
turbiniform
turbinite
turbinoid
turbinotope
turbinotomy
turbit
turbith
turbiths
turbits
turbiteen
turble	urbo	urboalternator
turboblower	urbocar	urbocars	urbocharge	urbocharger	urbocompressor	urbodynamo	turboelectric	turboexciter	urbofan	urbofans	urbogenerator	urbojet	urbojets	urbomachine	urbomotor	urboprop	urboprops	urbopump	urbos	urboshift	urbosupercharge	urbosupercharged	urbosupercharger	urbot
turbolike
turbots
turboventilator
turbulator
turbulence
turbulency
turbulent
turbulently
turbulentness
turcism
turco
turcois
turcoman
turcopole
turcopolier
turd
turduiform
turdine
turdoid
turds
tureen
tureenful
tureens
turf
turfage
turfdom
turfed
turfen
turfier
turfiest
turfiness
turfing
turftite
turfless
turflke
turfmn
turfmen
turfs
turfski
turfskining
turfskis
turfwise
turfy
turgencies
turgency
turgent
turgently
turgesce
turkoman
turks
turlough
tum
tuma
turmaline
tument
tumeric
tumerics
tumerol
tumet
turnit
tumoi
tumoi's
tumoiled
tumoiler
tumoiling
tumoils
tumut
turn
turnable
turnabout
turnabouts
tumagain
turnaround
turnarounds
tumaway
tumback
tumbout
tumbroach
tumbuckle
tumbuckles
tumcap
tumcoat
tumcoatism
tumcoats
tumcock
tumdown
tumdowns
tumdun
tumed
tunel
tuner
turneraceuous
turnerescue
turneries
turnerite
tumers
turnstone
turntable
turntables
turntail
turntale
turnup
turnups
tumverein
tumway
turnwrest
turnwrist
turonian
turophile
turp
turpantineweed
turpentine
turpentined
turpentineweed
turpentinic
turpentining
turpentinous
turpentine
turpentiny
turpeth
turpethin
turpeths
turpid
turpidly
turpify
turpinite
turpis
turpidude
turps
turquet
turquois
turquoise
turquoiseberry
turquoiseilike
turquoises
turr
turrel
turrell
turret
turret's
turreted
turrethead
turreting
turretless
turretlike
turrets
turrical
turricle
turricula
turriculae
turricular
turriculate
turriculated
turrirferous
turriform
turrierous
turrihite
turriticone
turition
turried
turritella
turritellid
turritelloid
turrum
turse
tursio
turtle
turtle’s
turtleback
turtlebloom
turled
turledom
turledove
turledovd
turledoves
turledoving
turtlehead
turtleize
turtelike
turtleneck
turtlenecks
turtlepeg
turtler
turtlers
turtles
turtlestone
turtlet
turtling
turtlings
turtosa
turtur
tururi
turus
tussling
tussock
tussocked
tussocker
tussocks
tussocky
tussor
tussore
tussores
tussors
tussuck
tussucks
tussur
tussurs	ut	tutament	tutania	tutankhamen	tutball	tute
tutee	tutes	utela	utelae	utelage	utelages	utelar	utelaries	utelars	utelary	utele	utenag	utenague	uth	utin
tutiorism	tutiorist	utler	utly	utman	utmen	utmenet	utment	utor	tutorage	tutorages	tutored	tutorer	tutoress
twangle
twangled
twangler
twanglers
twangles
twangling
twangs
twangy
twank
twankay
twanker
twankies
twanking
twankingly
twinkle
twanky
twant
twarily
twas
twosome
twosomes
twat
twatchel
twats
twitterlight
twattle
twattled
twattler
twattles
twattling
tway
twayblade
twazzy
tweak
tweak
tweaked
tweaker
tweakier
tweakiest
tweaking
tweaks
tweaky
twee
tweed
tweed
tweed
tweedied
tweediest
tweediness
tweedle
tweedled
tweedledede

tweedledum
tweedles
tweedling
tweeds
tweedy
tweeg
tweel
tween
tweenies
tweenlight
tweeny
tweese
tweesh	weesht
tweest	weet	weeted
tweeter	weeters	weeting
tweets	 tweeze
tweezed
tweezer
tweezered
tweezering	weezers	weezes	weezing
tweil
twelfhynde	
twelfhyndeman
twelfth
twelfthly	
twelfths
twelfthtide
twelve
twelvefold
twelvehynde
twelvehyndeman
twelvemo
twelvemonth
twelvemonths
twelvemos
twelvepence
twelvepenny
twelves
twelvesscore
twenties
twentieth
twentiethly
twentieths
twenty
twentyfold
twentyfourmo
twentyno
twentyupenny
twere
twerp
twerp
twentyfold
twi
twibil
twibill
twibilled
twibills
twibils
twice
twicer
twicet
twichild
twick
twiddle
twiddled
twiddler
twiddlers
twiddles
twiddling
twiddly
twie
twier
twiers
twifallow
twifoil
twifold
twifoldly
twig
twig's
twigful
twigged
twigger
twiggier
twiggiest
twigginess
twigging
twiggy
twigless
twiglet
twiglike
twigs
twigsome
twigwithy	wilght	wilght's	wilghtless	wilghtlike	wilghts	wilghty	wilgt
twill
twilled
twiller
twilling
twillings
twills
twilly
twilt
twin
twin's	winnable	winnberries	winnberry	winnborn	twindle	twine
twineable	winebush	wined
twineless	winelike	winemaker	winemaking	winer	winers	wines	winflower	winfold	winge	winged	wingeing
twitchy
twite
twitlark
twits
twitted
twitten
twitter
twitteration
twitterboned
twittered
twitterer
twittering
twitteringly
twitterly
twitterers
twittery
twitting
twittingly
twittle
twitty
twixt
twixtbrain	wizzened	wizzle
two
two's
twodecker
twoes	twofer	wofers	twofold
twofoldly
twofoldness
twofolds
twohandedness
twolegged
twoling
twoness
twopence
twopences
twopenny
twos	twoscore
twosome
twosomes	wp	wyblade
twyer
twyers
twyhynde
twyver
tx
txt
tyauve
tyburn
tychism
tychistic
tychite
tychonian
tychonic
tychoparthenogenesis
tychopotamic
tycoon
tycoonate
tycoons
tydden
tyddyn
tydeus
tydie
ty
tyee
tyees
tyes
tyg
tyng
tyke
tyken
tykes
tykhan
tyking
tyleri
tylarus
tylast
tyler
tyh
tylocin
tyroma
tylopod
tylopodous
tylose
tyloses
tylosis
tylosoid
tylosteresis
tylostylar
tylostyle
tylostylote
tylostylus
tylotate
tylobe
tylic
tyloxeae
tyloxeate
tyloxs
tylus
tybal
tybalon
tybals
tym
tympan
tympana
tympanal
tympanam
tympanectomy
tympani
tympanic
tympanichord
tympanichordal
tympanicity
tympanies
tympaniform
tympaning
tympanism
tympanist
tympanites
tympanitic
tympanitis
tympanize
tympano
tympanocervical
tympanohyal
tympanomallear
tympanomandibular
tympanomastoid
tympanomaxillary
tympanon
tympanoperiotic
tympanosis
tympanosquamosal
tympanostapedial
tympanotemporal
tympanotomy
tympans
tympanum
tympanums
tympany
tynd
tyndallmeter
tyne
tyned
tynes
tyning
tywald
typ
typable
typal
typarchical
type
type's
typeable
typebar
typebars
typecase
typecases
typecast
typecasting
typecasts
typed
typeface
typefaces
typeform
typefounder
typefounders
typefounding
typefoundry
typehead
typeholder
typeless
typeout
typer
types
typescript
typescripts
typeset
typeseting
typesets
typesetter
typesetters
typesetting
typeof
typewrite
typhoeus
typhogenic
typhoid
typhoidal
typhoidin
typhoidlike
typhoids
typholysin
typhomalaria
typhomalarial
typhomania
typhon
typhonia
typhonic
typhons
typhoon
typhoonish
typhoonis
typh(int)on

typhopneumonia
typhoon

typhose
typhosepsis
typhosis
tyrophytoxine
typhous
typhus
typhuses
typic
typica
typical
typicality
typically

typicalness
typhoon
typhoon

typification
typified
typifier
typifiers
typifies
typify
typhifying
typika
typikon

typikons
typing
typist
typists
typo
typographic
typographical
typographically
typographies
typosthetic
typographic
typological
typologically
typologies
typologist
typology
typomania
typometry
typonym
typonymal
typonymic
typonymous
typophile
typorama
typos
typoscript
typotelegraph
typotelegraphy
typothere
typothetae
typp
typps
typtological
typtologist
typtology
typw
typy
tyr
tyramin
tyramine
tyramines
tyranness
tyannial
tyannic
tyannical
tyannically
tyannicalness
tyannicidal
tyannicide
tyannicly
tyannies
tyannine
tyannis
tyannise
tyannised
tyanniser
tyannising
tyannisingly
tyannism
tyannize
tyannized
tyannizer
tyannizers
tyannizes
tyannizing
tyannizingly
tyannoid
tyannophobia
tyannosaur
tyannosaurs
tyannosaurus
tyannosaurususes
tyannous
tyannously
tyannousness
tyanny
tyrant
tyrant's
tyrantcraft
tyrantlike
tyra
tyrantship
tyrasole
tyre
tyred
tyremesis
tyres
tyrian
tyriasis
tzarinas
tzarism
tzarisms
tzarist
tzaristic
tzarists
tzaritza
tzaritzas
tzars
tzedakah
tzetse
tzetze
tzetzes
tzigane
tziganes
 tzimmes
ttitzis
tzitzith
tzolkin
tzontle
tzuris
u
u's
uakari
ualis
uang
uayeb
ubangi
ubc
uberant
ubernous
uberously
uberyousness
uberrima
uberties
uberty
ubi
ubication
ubieties
ubiety
ubiquarian
ubique
ubiquious
ubiquit
ubiquitarian
ubiquitaries
ubiquitariness
ubiquitary
ugglesome
ugh
ugh
ughten
ugli
uglier
ugliest
uglification
uglified
uglifier
uglifiers
uglifies
uglify
uglifying
uglily
ugliness
uglinesses
uglis
uglism
ugly
ugrian
ugrianize
ugric
ugsome
ugsomely
ugsomeness
ugt
uh
uhlan
uhlans
uhlto
uhls
uhtensang
uhtsong
uhuru
ui
uighur
uigur
uily
uinal
uintahite
uintaite
uintaites
uintathere
uintjie
uit
uitlander
uitspan
ugi
ukase
ukases
uke
ukelele
ukeleles
ukes
ukiyo
ukiyo
ukraine
ukrainian
ukrainians
ukranian
ukulele
ukuleles
ula
ulama
ulamas
ulan
ulans
ulatrophia
ulatrophy
ulaula
ulcer
ulcer's
ulcerable
ulcerate
ulcerated
ulcerates
ulcerating
ulceration
ulcerations
ulcerative
ulcered
ulcering
ulceromembranous
ulcerous
ulcerously
ulcerousness
ulcers
ulcery
ulcus
ulcuscle
ulcuscule
ule
ulema
ulemas
ulemorrhagia
ularitythema
uletic
ulex
ulexine
ulexite
ulexites
ulicon
uliginose
uliginous
ulitis
ull
ulla
ullage
ullaged
ullages
ullagone
uller
uling
ullmannite
ulluco
ullucu
ulmaceous
ulmate
ulmic
ulmin
ulminic
ulmo
ulmous
ulna
unad
ulnae
uhnage
ulnar
ulnare
ulnaria
ulnas
ulnocarpal
ulnocondylar
ulnometacarpal
ulnoradial
uloborid
ulocarcinoma
uloid
uloncus
ulorrhagia
ulorrhagy
ulorrhea
ulotrichaceous
ulotrichan
ulotrichous
ulotrichy
ulpan
ulpanim
ulrichite
ulster
ulstered
ulsterette
ulstering
ulsters
ult
ulta
ulterior
ulteriorly
ultima
ultimacies
ultimacy
ultimas
ultimata
ultimate
ultimated
ultimately
ultimateness
ultimates
ultimating
ultimation
ultimatum
ultimatums
ultime
ultimity
ultimo
ultimobranchial
ultimogenitary
ultimogeniture
ultimum
ultion
ulto
ультонian
ultra
ultrabasic
ultrabasite
ultrabelieving
ultrabenevolent
ultrabrachycephalic
ultrabrachycephaly
ultrabright
ultracentenarian
ultracentenarianism
ultracentralizer
ultracentrifugal
ultracentrifugally
ultracentrifugation
ultracentrifuge
ultracentrifuged
ultracentrifuging
ultracrenomenous
ultrachurchism
ultracivil
ultracomplex
ultraconcomitant
ultracondenser
ultraconfident
ultraconscientious
ultraconservatism
ultraconservative
ultraconservatives
ultracordial
ultracosmopolitan
ultracredulous
ultracrepidarian
ultracrepidarianism
ultracrepidate
ultracritical
ultradandyism
ultradeclamatory
ultrademocratic
ultradespotic
ultradignified
ultradiscipline
ultradolichocephalic
ultradolichocephaly
ultradolichocranial
ultradry
ultraeducationist
ultraeligible
ultraelliptic
ultraemphasis
ultraenergetic
ultraenforcement
ultraenthusiasm
ultraenthusiastic
ultraepiscopal
ultraevangelical
ultraexcessive
ultraexclusive
ultraexpeditious
ultrafantastic
ultrafashionable
ultrafast
ultrafastidious
ultrafederalist
ultrafeudal
ultrafiche
ultrafiches
ultrafidian
ultrafidianism
ultrafilter
ultrafilterability
ultrafilterable
ultrafiltrate
ultrafiltration
ultraformal
ultrafrivolous
ultragallant
ultragaseous
ultragenteel
ultragood
ultragrave
ultrahazardous
ultraheroic
ultrahigh
ultrahonororable
ultrahot
ultrahuman
ultraimperialism
ultraimperialist
ultraimpersonal
ultrainclusive
ultraindifferent
ultraindulgent
ultraingenious
ultrainsistent
ultraintimate
ultrainvolved
ultraism
ultraisms
ultraist
ultraistic
ultraists
ultralaborious
ultralegality
ultralenient
ultraliberal
ultraliberalism
ultralogical
ultralow
ultraloyal
ultraluxurious
ultramarine
ultramasculine
ultramasculinity
ultramaternal
ultramaximal
ultramelancholy
ultrametamorphism
ultramic
ultramicrobe
ultramicrochemical
ultramicrochemist
ultramicrochemistry
ultramicrometer
ultramicron
ultramicroscope
ultramicroscopic
ultramicroscopical
ultramicroscopically
ultramicroscopy
ultramicrotome
ultraminiaure
ultraminute
ultramoderate
ultramodern
ultramodernism
ultramodernist
ultramodernistic
ultramodest
ultramontane
ultramontanism
ultramontanist
ultramorose
ultramulish
ultramundane
ultranational
ultranationalism
ultranationalist
ultranationalistic
ultranationalistically
ultranatural
ultranegligent
ultranet
ultranice
ultranonsensical
ultraobscure
ultraobstinate
ultraofficious
ultraoptimistic
ultraorganized
ultraornate
ultraorthodox
ultraorthodoxy
ultraoutrageous
ultrapapist
ultraparallel
ultraperfect
ultrapersuasive
ultraphotomicrograph
ultrapious
ultraplanetary
ultraplausible
ultrapopish
ultraproud
ultraprudent
ultrapure
ultraradical
ultraradicalism
ultrarapid
ultrareactionary
ultrared
ultrareds
ultrarefined
ultrarefinement
ultrareligious
ultraremuneration
ultrarepublican
ultrarevolutionary
ultrarevolutionist
ultraritualism
ultraromantic
ultraroyalism
ultraroyalist
ultras
ultrasanguine
ultrascholastic
ultrasecret
ultraselect
ultraservile
ultrasevere
ultrashort
ultrashrewd
ultrasimian
ultrasmart
ultrasolemn
ultrasonic
ultrasonically
ultrasonics
ultrasonogram
ultrasonography
ultrasound
ultraspartan
ultraspecialization
ultraspiritualism
ultrasplendid
ultrastandardization
ultrastellar
ultrastereile
ultrastrenuous
ultrastrict
ultrastructural
ultrastructure
ultrastylish
ultrasubtle
ultrasuede
ultrasystematic
ultratechnical
ulratense
ultraterrene
ultraterrestrial
ultratotal
ultrativial
ultratropical
ultraugly
ultrauncommon
ultraurgent
ultravicious
ultraviolent
ultraviolet
ultravirtuous
ultravirus
ultraviruses
ultravisible
ultrawealthy
ultrawise
ultrayoung
ultrazealous
ultrazealousness
ultrazodiacal
ultroneous
umbrage
umbrageous
umbrageously
umbrageousness
umbra
ges
umbraig
umbral
umbraly
umbra
na
umbra
as
umbrate
umbrated
umbra
ric
umbra
tical
umbra
tile
umbre
umbrel
umbrella
umbrella's
umbrellaed
umbrellai
umbrellaizing
umbrelal
ess
umbrellalikel
umbrel
as
umbrela
wise
umbrellawor
umbre
umbret
umbrette
umbrettes
umbrian
umbri
erous
umbri
erously
umbri
erousness
umbri
l
umbri
na
umbri
ne
umbrose
umbrosity
umbrous
ume
umest
unfaan
umgang
umi
ac
umi
ack
umi
acks
umi
acs
umiak
umiaks
umiaq
umiaqs
unimpeled
umiri
umist
umlaut
umlauted
umlauting
umlauts
unload
umm
ummps
umouhile
ump
umped
umph
umping
umpirage
umpirages
umpire
umpire's
umpired
umpirer
umpires
umpireship
umpiress
umpiring
umpirism
umppried
umpppiring
umps
umpsteen
umpteen
umpteens
umpteenth
umptekite
umptieth
umpty
umpy
umquhile
umset
umstroke
umteen
umteenth
umu
unabraded
unabrasive
unabrasively
unabridgable
unabridged
unabrogable
unabrogated
unabrogative
unabrupt
unabruptly
unabscessed
unabsent
unabsentmindedness
unabsolute
unabsolvable
unabsolved
unabsolvedness
unabsorb
unabsorbable
unabsorbed
unabsorbing
unabsorbingly
unabsorptiveness
unabsptive
unabsorptiveness
unabstemious
unabstemiously
unabstemiousness
unabstentious
unabstract
unabstracted
unabstractedly
unabstractedness
unabstractive
unabstractively
unabsurd
unabundance
unabundant
unabundantly
unabusable
unabused
unabusive
unabusively
unabusiveness
unabutting
unacademic
unacademical
unacademically
unaccending
unaccelerated
unaccelerative
unaccent
unaccented
unaccentuated
unaccept
unacceptability
unacceptable
unacceptableness
unacceptably
unacceptance
unacceptant
unaccepted
unaccepting
unaccessibility
unaccessible
unaccessibleness
unaccessibly
unaccessional
unaccessory
unaccidental
unaccidentally
unaccidented
unacclimate
unacquired
unacclimated
unacclimation
unacclimatised
unacclimatization
unacclimatized
unacclivitous
unacclivitously
unaccommodable
unaccommodated
unaccommodatedness
unaccommodating
unaccommodatingly
unaccommodatingness
unaccompanable
unaccompained
unaccompanying
unaccomplishable
unaccomplished
unaccomplishedness
unaccord
unaccordable
unaccordance
unaccordant
unaccorded
unaccording
unaccordingly
unaccostable
unaccosted
unaccountability
unaccountable
unaccountableness
unaccountably
unaccounted
unaccoutered
unaccoutred
unacreditated
unaccredited
unaccrued
unaccumutable
unaccumulate
unaccumulated
unaccumulation
unaccumulative
unaccumulatively
unaccumulativeness
unaccuracy
unaccurate
unaccurately
unaccurateness
unaccursed
unaccusable
unaccusably
unaccuse
unaccused
unaccusing
unaccusingly
unaccustom
unaccustomed
unaccustomedly
unaccustomedness
unacerbic
unacerbically
unacetic
unachievability
unachievable
unachieved
unaching
unachingly
unacidic
unacidulated
unacknowledged
unacknowledgedness
unacknowledging
unacknowledgment
unacoustic
unacoustical
unacoustically
unacquaint
unacquaintable
unacquaintance
unacquainted
unacquaintedly
unacquaintedness
unacquiescent
unacquiescently
unacquirability
unacquirable
unacquirableness
unacquirably
unacquired
unacquisitive
unacquisitively
unacquisitiveness
unacquit
unacquittable
unacquitted
unacquittedness
unacrimonious
unacrimoniously
unacrimoniousness
unact
unactability
unactable
unacted
unacting
unactinic
unaction
unactionable
unactivated
unactive
unactively
unactiveness
unactivity
unactorlike
unactual
unactuality
unactually
unactuated
unacuminous
unacute
unacutely
unadamant
unadapt
unadaptability
unadaptable
unadaptableness
unadaptably
unadaptableness
unadapted
unadaptedly
unadaptedness
unadaptive
unadaptively
unadaptiveness
unadd
unaddable
unadded
unaddible
unaddicted
unaddictedness
unadditional
unadditioned
unaddled
unaddress
unaddressed
unadduceable
unadduced
unadducible
unadept
unadeptly
unadeptness
unadequate
unadequately
unadequateness
unadherence
unadherent
unadherently
unadhering
unadhesive
unadhesively
unadhesiveness
unadjacent
unadjacently
unadjectived
unadjoined
unadjoining
unadjourned
unadjournment
unadjudged
unadjudicated
unadjunctive
unadjunctively
unadjust
unadjustable
unadjustably
unadjusted
unadjustment
unadministered
unadministrable
unadministrative
unadministratively
unadmirable
unadmirableness
unadmirably
unadmirer
unadmirable
unadmiring
unadmiringly
unadmissible
unadmissibleness
unadmissibly
unadmission
unadmissible
unadmittable
unadmittableness
unadmittably
unadmitted
unadmittedly
unadmitting
unadmonished
unadmonitory
unadopt
unadoptable
unadoptably
unadopted
unadoption
unadoptive
unadoptively
unadorable
unadorableness
unadorably
unadoration
unadvised
unadvisedly
unadvisedness
unadvocated
unaerated
unaesthetic
unaesthetical
unaesthetically
unaestheticism
unaestheticness
unafraid
unafeared
unaffability
unaffable
unaffableness
unaffably
unaffectionation
unaffected
unaffectedly
unaffectedness
unaffectioning
unaffectionate
unaffectionately
unaffectionateness
unaffectioned
unaffianced
unaffied
unaffiliated
unaffiliation
unaffirmation
unaffirmed
unaffixed
unafflicted
unafflictedly
unafflictedness
unafflicting
unaffordable
unafforded
unaffranchised
unaffrighted
unaffrightedly
unaffronted
unafire
unafloat
unaflood
unafraid
unafraidness
unaged
unageing
unagglomerative
unaggravated
unaggravating
unaggregated
unaggression
unaggressive
unaggressively
unaggressiveness
unaghast
unagile
unagilely
unagility
unaging
unagitated
unagitatedly
unagitatedness
unagitation
unagonize
unagrarian
unagreeable
unagreeableness
unagreeably
unagreed
unagreeing
unagreement
unagricultural
unagriculturally
unai
unaidable
unaided
unaidedly
unaiding
unailing
unaimed
unaiming
unairable
unaired
unairily
unais
unaisled
unakin
unakite
unal
unalacritous
unalarm
unalarmed
unallow
unallowable
unallowably
unallowed
unallowedly
unallowing
unalloyed
unallurable
unallured
unalluring
unalluringly
unallusive
unallusively
unallusiveness
unalmsed
unalone
unaloud
unalphabeted
unalphabetic
unalphabetical
unalphabetised
unalphabetized
unalterability
unalterable
unalterableness
unalterably
unalteration
unalterative
unaltered
unaltering
unalternated
unalternating
unaltruristic
unaltruishically
unamalgamable
unamalgamated
unamalgamating
unamalgamative
unamassed
unamative
unamatively
unamazed
unamazedly
unamazedness
unamazement
unambidextrousness
unambient
unambiently
unambiguity
unambiguous
unambiguously
unambiguousness
unambition
unambitious
unambitiously
unambitiousness
unambrosial
unambulant
unambush
unameliorable
unameliorated
unameliorative
unamenability
unamenable
unamenableness
unamenabley
unamend
unamenable
unamended
unamendedly
unamending
unamendment
unamerceable
unamerced
unamiability
unamiable
unamiableness
unamiably
unamicability
unamicable
unamicableness
unamicably
unamiss
unammoniated
unamo
unamorous
unamoriously
unamorousness
unamortization
unamortized
unample
unamplifiable
unamplified
unamply
unamputated
unamputative
unamusable
unamusably
unamused
unamusement
unamusing
unamusingly
unamusingness
unamusive
unanachronic
unanachronistical
unanachronistically
unanachronous
unanachronously
unanaemic
unanalogous
unanalogously
unanalogousness
unanalogical
unanalogically
unanalogized
unanalogous
unanalogously
unanalogousness
unanalytic
unanalytical
unanalytically
unanalyzable
unanalyzably
unanalyzed
unanalyzing
unanarchic
unanarchistic
unanatomisable
unanatomised
unanatomizable
unanatomized
unancestored
unancestried
unanchor
unanchored
unanchoring
unanchors
unanchylosed
unancient
unanecdotal
unanecdotally
unaneled
unanemic
unangelic
unangelical
unangelicalness
unangered
unangrily
unangry
unanguished
unangular
unangularly
unangularness
unanimalized
unanimate
unanimated
unanimatedly
unanimatedness
unanimately
unanimating
unanimatingly
unanime
unanimism
unanimitist
unanimistic
unanimistically
unanimiter
unanimities
unanunity
unanymous
unanimously
unanamousness
unannealed
unannex
unannexable
unannexed
unannexedly
unannexedness
unnannihilable
unnannihilated
unnannihilative
unnannihilatory
unnannotated
unnounced
unnannoyed
unnannoying
unnannoyingly
unnannullable
unnannulled
unnannunciable
unnannunciative
unanointed
unanswerability
unanswerable
unanswerableness
unanwerably
unanwered
unanwering
unanตagonisable
unanтagonised
unanтagonising
unanтagonistic
unanтagonizable
unanтagonized
unanтagonizing
unanthologized
unanticipated
unanticipatedly
unanticipating
unanticipatingly
unanticipation
unanticipative
unantiquated
unantiquatedness
unantique
unantiquity
unantered
unanxiety
unanxious
unanxiously
unanxiousness
unapart
unaphasic
unapocryphal
unapologetic
unapologetically
unapologizing
unapostatized
unapostolic
unapostolical
unapostolically
unapostrophized
unappalled
unappalling
unappallingly
unapparel
unap appareled
unap appareled
unaparent
unapparently
unapparentness
unappealable
unappealableness
unappealably
unappealed
unappealing
unappealingly
unappealingness
unappeasable
unappeasableness
unappeasably
unappeased
unappeasedly
unappeasedness
unappeasing
unappeasingly
unappendaged
unappended
unperceived
unperceptive
unpertaining
unappetising
unappetisingly
unappetizing
unappetizingly
unapplaudable
unapplauded
unapplauding
unapplausible
unappliable
unappliableness
unappliably
unapplianced
unapplicability
unapplicable
unapplicableness
unapplicably
unapplicative
unapplied
unappliqued
unapplying
unappoint
unappointable
unappointableness
unappointed
unapportioned
unaposable
unapposite
unappositely
unappositeness
unappraised
unappreciable
unappreciableness
unappreciably
unappreciated
unappreciating
unappreciation
unappreciative
unappreciatively
unappreciativelyness
unapprehendable
unapprehendableness
unapprehendably
unapprehended
unapprehending
unapprehendingness
unapprehensible
unapprehensibleness
unapprehension
unapprehensive
unapprehensively
unapprehensiveness
unapprenticed
unapprised
unapprisedly
unapprisedness
unapprized
unapproachability
unapproachable
unapproachableness
unapproachably
unapproached
unapproaching
unapprobation
unappropriable
unappropriate
unappropriated
unappropriately
unappropriateness
unappropriation
unapprovable
unapprovableness
unapprovably
unapproved
unapproving
unapprovingly
unapproximate
unapproximately
unaproned
unapropos
unapt
unaptitude
unaptly
unaptness
unarbitrarily
unarbitrariness
unarbitrary
unarbitrated
unarbitrative
unarbored
unarboured
unarch
unarchdeacon
unarched
unarching
unarchitected
unarchitectural
unarchitecturally
unarchly
unarduous
unarduously
unarduousness
unarguable
unarguableness
unarguably
unargued
unarguing
unargumentative
unargumentatively
unargumentativeness
unarisen
unarising
unaristocratic
unaristocratically
unarithmetic
unarithmetically
unark
unarm
unarmed
unarmedly
unarmedness
unarming
unarmored
unarmoried
unarmoured
unarms
unaromatic
unaromatically
unaromatized
unarousable
unaroused
unarousing
unarraignable
unarraignableness
unarraigned
unarranged
unarray
unarrayed
unarrestable
unarrested
unarresting
unarrestive
unarrival
unarried
unarriving
unarrogance
unarrogant
unarrogantly
unarrogated
unarrogating
unarted
unartful
unartfully
unartfulness
unarticled
unarticulate
unarticulated
unarticulately
unarticulative
unarticulatory
unartificial
unartificiality
unartificially
unartificialness
unartistic
unartistical
unartistically
unartistlike
unary
unascendable
unascendableness
unascendant
unascended
unascendent
unascertainable
unascertainableness
unascertainably
unascertained
unascetic
unascetically
unascrived
unashamed
unashamedly
unashamedness
unasinous
unaskable
unasked
unasking
unaskingly
unasleep
unaspersed
unaspersive
unasphalted
unaspirated
unaspiring
unaspiringly
unaspiringness
unassailability
unassailable
unassailableness
unassailably
unassailed
unassailing
unassassinated
unassaultable
unassaulted
unassayed
unassaying
unassembled
unassented
unassenting
unassentive
unasserted
unassertive
unassertively
unassertiveness
unassessable
unassessableness
unassessed
unassibilated
unassiduous
unassiduously
unassiduousness
unassignable
unassignably
unassigned
unassimilable
unassimilated
unassimilating
unassimilative
unassistant
unassisted
unassisting
unassociable
unassociably
unassociated
unassociative
unassociatively
unassociativeness
unassoiled
unassorted
unassuageable
unassuaged
unassuaging
unassuasive
unassuetude
unassumable
unassumed
unassumedly
unassuming
unassumingly
unassumingness
unassured
unassuredly
unassuredness
unassuring
unasterisk
unasthmatic
unastonish
unastonished
unastonishment
unastounded
unastray
unathirst
unathletic
unathetically
unatmospheric
unattributive
unattributively
unattributiveness
unattuned
unau
unauctioned
unaudacious
unaudaciously
unaudaciousness
unaudible
unaudibleness
unaudibly
unaudied
unaudited
unauditioned
unaugmentable
unaugmentative
unaugmented
unaus
unauspicious
unauspiciously
unauspiciousness
unaustere
unausterely
unaustereness
unauthentic
unauthentical
unauthentically
unauthenticalness
unauthenticated
unauthenticity
unauthorised
unauthorish
unauthoritative
unauthoritatively
unauthoritativeness
unauthorized
unauthoritiveness
unauthorizable
unauthorization
unauthorize
unauthorized
unauthorizedly
unauthorizedness
unautistic
unautographed
unautomatic
unautomatically
unauthoritied
unautumnal
unavailability
unavailable
unavailableness
unavailably
unavailed
unavailful
unavailing
unavailingly
unavailingness
unavengeable
unavenged
unavenging
unavengingly
unavenued
unaverage
unaveraged
unaverred
unaverse
unaverted
unavertible
unavertibleness
unavertibly
unavian
unavid
unavidly
unavidness
unavoidability
unavoidable
unavoidableness
unavoidably
unavoidal
unavoided
unavoiding
unavouchable
unavouchableness
unavouchably
unavouched
unavowable
unavowableness
unavowably
unavowed
unawedly
unawakable
unawakableness
unawake
unawaked
unawakened
unawakenedness
unawakening
unawaking
unawardable
unawardableness
unawardably
unawarded
unaware
unawared
unawardedly
unawarily
unawareness
unawares
unaway
unawed
unawful
unawfully
unawfulness
unawkward
unawkwardly
unawkwardness
unawned
unaxed
unaxiomatic
unaxiomatically
unaxed
unaxled
unazotized
unb
unbackboarded
unbacked
unbackward
unbacterial
unbadged
unbadgered
unbadgering
unbaffled
unbaffling
unbafflingly
unbag
unbagged
unbailable
unbailableness
unbailed
unbain
unbait
unbaited
<table>
<thead>
<tr>
<th>Unbaized</th>
<th>Unbaked</th>
<th>Unbalance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unbalanceable</td>
<td>Unbalanceably</td>
<td>Unbalanced</td>
</tr>
<tr>
<td>Unbalancement</td>
<td>Unbalancing</td>
<td>Unbale</td>
</tr>
<tr>
<td>Unbalanced</td>
<td>Unbalconied</td>
<td>Unbale</td>
</tr>
<tr>
<td>Unbale</td>
<td>Unbaled</td>
<td>Unbaling</td>
</tr>
<tr>
<td>Unbaled</td>
<td>Unbaling</td>
<td>Unbalked</td>
</tr>
<tr>
<td>Unbalked</td>
<td>Unbalking</td>
<td>Unballast</td>
</tr>
<tr>
<td>Unballast</td>
<td>Unballasted</td>
<td>Unballasting</td>
</tr>
<tr>
<td>Unballasting</td>
<td>Unballoted</td>
<td>Unbandage</td>
</tr>
<tr>
<td>Unballoted</td>
<td>Unbandaged</td>
<td>Unbandaging</td>
</tr>
<tr>
<td>Unbandaged</td>
<td>Unbanded</td>
<td>Unbandaging</td>
</tr>
<tr>
<td>Unbanded</td>
<td>Unbanded</td>
<td>Unbanded</td>
</tr>
<tr>
<td>Unbanded</td>
<td>Unbanished</td>
<td>Unbanded</td>
</tr>
<tr>
<td>Unbanished</td>
<td>Unbank</td>
<td>Unbanded</td>
</tr>
<tr>
<td>Unbank</td>
<td>Unbankable</td>
<td>Unbankable</td>
</tr>
<tr>
<td>Unbankable</td>
<td>Unbankableness</td>
<td>Unbankableness</td>
</tr>
<tr>
<td>Unbankably</td>
<td>Unbanked</td>
<td>Unbanked</td>
</tr>
<tr>
<td>Unbanked</td>
<td>Unbankrupt</td>
<td>Unbankrupt</td>
</tr>
<tr>
<td>Unbankrupt</td>
<td>Unbanned</td>
<td>Unbanned</td>
</tr>
<tr>
<td>Unbanned</td>
<td>Unbanned</td>
<td>Unbanned</td>
</tr>
<tr>
<td>Unbanned</td>
<td>Unbanned</td>
<td>Unbanned</td>
</tr>
<tr>
<td>Unbanned</td>
<td>Unbanter</td>
<td>Unbantering</td>
</tr>
<tr>
<td>Unbantering</td>
<td>Unbanteringly</td>
<td>Unbantering</td>
</tr>
<tr>
<td>Unbanteringly</td>
<td>Unbaptised</td>
<td>Unbaptised</td>
</tr>
<tr>
<td>Unbaptised</td>
<td>Unbaptized</td>
<td>Unbaptized</td>
</tr>
<tr>
<td>Unbaptized</td>
<td>Unbar</td>
<td>Unbar</td>
</tr>
<tr>
<td>Unbar</td>
<td>Unbarb</td>
<td>Unbarb</td>
</tr>
<tr>
<td>Unbarb</td>
<td>Unbarbarise</td>
<td>Unbarbarise</td>
</tr>
<tr>
<td>Unbarbarise</td>
<td>Unbarbarised</td>
<td>Unbarbarised</td>
</tr>
<tr>
<td>Unbarbarised</td>
<td>Unbarbarising</td>
<td>Unbarbarising</td>
</tr>
<tr>
<td>Unbarbarising</td>
<td>Unbarbarize</td>
<td>Unbarbarize</td>
</tr>
<tr>
<td>Unbarbarize</td>
<td>Unbarbarizing</td>
<td>Unbarbarizing</td>
</tr>
<tr>
<td>Unbarbarizing</td>
<td>Unbarbarous</td>
<td>Unbarbarous</td>
</tr>
</tbody>
</table>
unbarbarously
unbarbarousness
unbarbed
unbarbered
unbarded
unbare
unbargained
unbark
unbarking
unbaronet
unbarrable
unbarred
unbarrel
unbarreled
unbarrelled
unbarren
unbarrenly
unbarrenness
unbarricade
unbarricaded
unbarricading
unbarricadoed
unbarring
unbars
unbartered
unbartering
unbase
unbased
unbasedness
unbashful
unbashfully
unbashfulness
unbasket
unbasketlike
unbastardised
unbastardized
unbaste
unbasted
unbastilled
unbastinadoed
unbated
unbathed
unbating
unbatted
unbatten
unbatterable
unbattered
unbattling
unbedizened
unbedraggled
unbefit
unbefitting
unbefittingly
unbefittingness
unbefool
unbefriend
unbefriended
unbefringed
unbeget
unbeggar
unbeggarly
unbegged
unbegilt
unbeginning
unbeginningly
unbeginningness
unbegirded
unbegirt
unbegot
unbegotten
unbegottenly
unbegottenness
unbegreased
unbegrimed
unbegrudging
unbeguile
unbeguiled
unbeguileful
unbeguiling
unbegun
unbehaving
unbeheaded
unbeheld
unbeholdable
unbeholden
unbeholdenness
unbeholding
unbehaveful
unbehaving
unbeing
unbewjugged
unbeknown
unbeknownst
unbelied
unbelief
unbeliefful
unbelieffulness
unbeliefs
unbelievability
unbelievable
unbelievableness
unbelievably
unbelievingness
unbell
unbellicose
unbelligerent
unbelligerently
unbelonging
unbeloved
unbelt
unbelted
unbelting
unbelts
unbemoaned
unbemourned
unbench
unbend
unbendable
unbendableness
unbendably
unbended
unbender
unbending
unbendingly
unbendingness
unbends
unbendsome
unbeneficed
unbeneficent
unbeneficently
unbeneficial
unbeneficially
unbeneficialness
unbenefitable
unbenefited
unbenefiting
unbenetted
unbenevolence
unbenevolent
unbenevolently
unbenevolentness
unbenight
unbenighted
unbenign
unbenignant
unbenignantly
unbenignity
unbenignly
unbenignness
unbent
unbent
unbent
unbenumb
unbenumbed
unbequeathable
unbequeathed
unbereaved
unbereaven
unbereft
unberouged
unberth
unberufen
unbeseeching
unbeseechingly
unbeseeem
unbeseeeming
unbeseeemingly
unbeseeemingness
unbeseeemly
unbeset
unbesieged
unbesmeared
unbesmirched
unbesmuttered
unbesot
unbesotted
unbesought
unbespeak
unbespoke
unbespoken
unbesprinkled
unbesprinkled
unbestarred
unbestarred
unbestowed
unbet
unbetarred
unbethink
unbethought
unbetide
unbetoken
unbetray
unbetrayed
unbetraying
unbetrothed
unbetterable
unbettered
unbeveled
unbevelled
unbewailed
unbewailing
unbeware
unbewilder
unbewildered
unbewilderedly
unbewildering
unbewilderingly
unbewilled
unbewitch
unbewitched
unbewitching
unbewitchingly
unbewrayed
unbewritten
unbias
unbiasable
unbiased
unbiasedly
unbiasedness
unbiasing
unbiassable
unbiassed
unbiassedly
unbiassing
unbiblical
unbibulous
unbibulously
unbibulousness
unbickered
unbickering
unbid
unbidable
unbiddable
unhidden
unbigamous
unbigamously
unbigged
unbigoted
unbigotedness
unbilious
unbiliously
unbiliousness
unbillable
unbilled
unbillet
unbilleted
unbind
unbindable
unbinding
unbinds
unbinned
unbiographical
unbiographically
unbiological
unbiologically
unbirdlike
unbirdlimed
unbirdly
unbirthday
unbishop
unbishoped
unbishoply
unbit
unbiting
unbitt
unbitted
unbitten
unbitter
unbitting
unblacked
unblackened
unblade
unbladed
unblading
unblamability
unblamable
unblamableness
unblamably
unblamed
unblameworthiness
unblameworthy
unblaming
unblanched
unblanketed
unblasphemed
unblasted
unblooming unblressed unblissing unblotted unblottedness unbloused unblown unblued unbluestockingish unbluffable unbluffed unbluffing unblunder unblundered unblundering unblunted unblurred unblush unblushing unblushingly unblushingness unblusterous unblusterously unboarded unboasted unboastful unboastfully unboastfulness unboasting unboat unbobbed unbodied unbodily unbodily unbodkined unbodied unbodiliness unbodily unbohemianize unboiled unboisterous unboisterously unboisterousness unboisterously unboisterousness unboked unbold unbolden
unboldly
unboldness
unballed
unbolster
unbolstered
unbolt
unbolted
unbolting
unbolts
unbombarded
unbombast
unbombastic
unbombastically
unbombed
unbondable
unbondableness
unbonded
unbone
unboned
unbonnet
unbonneted
unbonneting
unbonnets
unbonny
unbooked
unbookish
unbookishly
unbookishness
unbooklearned
unboot
unbooted
unboraxed
unborder
unbordered
unbored
unboring
unborn
unborne
unborough
unborrowed
unborrowing
unbosom
unbosomed
unbosomer
unbosoming
unbosoms
unbossed
unbotanical
unbothered
unbothering
unbottle
unbottled
unbottling
unbottom
unbottomed
unbought
unbouncy
unbound
unboundable
unboundableness
unboundedly
unbounded
unboundedness
unboundless
unboundeous
unboundeously
unboundeousness
unbountiful
unbountifully
unbountifulness
unbow
unbowable
unbowdlerized
unbowed
unbowel
unboweled
unbowelled
unbowered
unbowing
unbowingness
unbowled
unbowski
unbox
unboxed
unboxes
unboxing
unboy
unboyish
unboyishly
unboyishness
unboylike
unbrace
unbraced
unbracedness
unbracelet
unbraceleted
unbraces
unbracing
unbracketed
unbragged
unbragging
unbraid
unbraided
unbraiding
unbraids
unbrailed
unbrained
unbran
unbranched
unbranching
unbrand
unbranded
unbranded
unbrave
unbraved
unbravely
unbraverness
unbrawling
unbrawny
unbraze
unbrazen
unbrazenly
unbrazenness
unbreachable
unbreachableness
unbreachably
unbreached
unbreaded
unbreakability
unbreakable
unbreakableness
unbreakably
unbreakfasted
unbreaking
unbreast
unbreath
unbreathable
unbreathableness
unbreathable
unbreathed
unbreathing
unbred
unbreech
unbreeched
unbreeches
unbreeching
unbreezy
unbrent
unbrewed
unbribable
unbribableness
unbribably
unbribed
unbribing
unbrick
unbricked
unbridegroomlike
unbridgeable
unbridged
unbridle
unbridled
unbridledly
unbridledness
unbridles
unbridling
unbrief
unbriefed
unbriefly
unbriefness
unbright
unbrightened
unbrightly
unbrightness
unbrilliant
unbrilliantly
unbrilliantness
unbrimming
unbrined
unbristled
unbrittle
unbrittleness
unbrittiness
unbroached
unbroad
unbroadcast
unbroadcasted
unbroadened
unbrocaded
unbroid
unbroidered
unbroiled
unbroke
unbroken
unbrokenly
unbrokenness
unbronzed
unbrooch
unbrooded
unbrooding
unbrookable
unbrookably
unbrothered
unbrotherlike
unbrotherliness
unbrotherly
unbrought
unbrown
unbrowned
unbrowsing
unbruised
unbrushable
unbrushed
unbrutalise
unbrutalised
unbrutalising
unbrutalize
unbrutalized
unbrutalizing
unbrute
unbrutelike
unbrutify
unbrutise
unbrutised
unbrutising
unbrutize
unbrutized
unbrutizing
unbuckle
unbuckled
unbuckles
unbuckling
unbuckramed
unbud
unbudded
unbudding
unbudgeability
unbudgeable
unbudgeableness
unbudgeably
unburnable
unburnableness
unburned
unburning
unburnished
unburnt
unburrow
unburrowed
unburst
unburstable
unburstableness
unburthen
unbury
unbush
unbusied
unbusily
unbusiness
unbusinesslike
unbusk
unbuskin
unbuskined
unbusted
unbustling
unbusy
unbutchered
unbutcherlike
unbuttered
unbutton
unbuttoned
unbuttoning
unbuttonment
unbuttons
unbuttressed
unbuxom
unbuxomly
unbuxomness
unbuyable
unbuyableness
unbuying
unc
unca
uncabined
uncabled
uncacophonous
uncadenced
uncage
uncaged
uncages
uncaging
uncajoling
uncake
uncaked
uncakes
uncaking
uncalamitous
uncalamitously
uncalcareous
uncalcified
uncalcined
uncalculable
uncalculableness
uncalculably
uncalculated
uncalculatedly
uncalculatedness
uncalculating
uncalculatingly
uncalculative
uncalendared
uncalered
uncalibrated
uncalk
uncalked
uncall
uncalled
uncallous
uncallously
uncallousness
uncallow
uncaller
uncalled
uncallused
uncalm
uncalmative
uncalmed
uncalmly
uncalmness
uncalorific
uncalumniated
uncalumniative
uncalumnius
uncalumniously
uncambered
uncamerated
uncamouflaged
uncamp
uncampaigning
uncamped
uncamphorated
uncanalized
uncancelable
uncanceled
uncancellable
uncancelled
uncancerous
uncandid
uncandidly
uncandidness
uncandided
uncandor
uncandour
uncaned
uncankerred
uncanned
uncannier
uncanniest
uncannily
uncanniness
uncanny
uncanonic
uncanonical
uncanonicality
uncanonicalness
uncanonicity
uncanonisation
uncanonise
uncanonised
uncanonising
uncanonization
uncanonize
uncanonized
uncanonizing
uncanopied
uncantoned
uncantonized
uncanvassably
uncanvassed
uncap
uncapable
uncapableness
uncapably
uncapacious
uncapaciously
uncapaciousness
uncapacitate
uncaparisoned
uncaped
uncapering
uncapitalised
uncapitalistic
uncapitalized
uncapitulated
uncapitulating
uncapped
uncapper
uncapping
uncapricious
uncapriciously
uncapriciousness
uncaps
uncapsizable
uncapsized
uncapsuled
uncaptained
uncaptioned
uncaptious
uncaptiously
uncaptiousness
uncaptivate
uncaptivated
uncaptivating
uncaptivative
uncaptived
uncapturable
uncaptured
uncaramelised
uncaramelized
uncarbonated
uncarboned
uncarbonized
uncarbureted
uncarburetted
uncarded
uncardinal
uncardinally
uncareful
uncarefully
uncarefulness
uncarearessed
uncarearessing
uncarealessly
uncargoed
uncatechisedness
uncatechized
uncatechizedness
uncategorical
uncategorically
uncategoricalness
uncategorised
uncategorized
uncatenated
uncatered
uncatering
uncathartic
uncathedraled
uncatholicity
uncatholic
uncatholical
uncatholicalness
uncatholicise
uncatholicised
uncatholicising
uncatholicity
uncatholicize
uncatholicized
uncatholicizing
uncatholicly
uncaucusable
uncaught
uncausable
uncausal
uncausative
uncausatively
uncausativeness
uncause
uncaused
uncaustic
uncaustically
uncautelous
uncauterized
uncaultioned
uncautious
uncautiously
uncautiousness
uncavalier
uncavalierly
uncave
uncavernous
uncavernously
uncaviling
uncavilling
uncavitied
unceasable
unceased
unceasing
unceasingly
unceasingness
unceded
unceiled
uncelebrated
uncelebrating
uncelestial
uncellularized
uncelibate
uncellular
uncement
uncemented
uncementing
uncensorable
uncensored
uncensorious
uncensoriously
uncensoriousness
uncensurability
uncensurable
uncensurableness
uncensured
uncensuring
uncenter
uncentered
uncentral
uncentralised
uncentrality
uncentralized
uncentrally
uncentre
uncentred
uncentric
uncentrical
uncentripetal
uncentury
uncephylic
uncerated
uncerebric
uncereclothed
unceremented
unceremonial
unceremonially
unceremonious
unceremoniously
unceremoniousness
unceriferous
uncertain
uncertainly
uncertainness
uncertainties
uncertainty
uncertifiable
uncertifiably
uncertifiableness
uncertificated
uncertified
uncertifying
uncertainty
uncessant
uncessantly
uncessantness
unchafed
unchaffed
unchaffing
unchagrined
unchain
unchainable
unchained
unchaining
unchains
unchair
unchaired
unchalked
unchalky
unchallengable
unchallengeable
unchallengeableness
unchallengeably
unchallenged
unchallenging
unchambered
unchamfered
unchampioned
unchance
unchanceable
unchanced
unchancellor
unchancy
unchange
unchangeability
unchangeable
unchangeableness
unchangeably
unchanged
unchangedness
unchangeful
unchangefully
unchangefulness
unchanging
unchangingly
unchangingness
unchanneled
unchannelized
unchannelled
unchanted
unchaotic
unchaotically
unchaperoned
unchaplain
unchapleted
unchapped
unchapter
unchaptered
uncharacter
uncharactered
uncharacterised
uncharacteristic
uncharacteristically
uncharacterized
uncharge
unchargeable
uncharged
uncharges
uncharging
uncharily
unchariness
unchariot
uncharitable
uncharitableness
uncharitably
uncharity
uncharm
uncharmable
uncharmed
uncharming
uncharnel
uncharred
uncharted
unchartered
unchary
unchased
unchaste
unchastely
unchastened
unchasteneness
unchastisable
unchastised
unchastising
unchastities
unchastity
unchatteled
unchattering
unchauffeured
unchauvinistic
unchawed
uncheapened
uncheaply
uncheat
uncheated
uncheating
uncheck
uncheckable
unchecked
uncheckerered
uncheckmated
uncheerable
uncheered
uncheerful
uncheerfully
uncheerfulness
uncheerily
uncheeriness
uncheering
uncheery
unchemical
unchemically
uncherished
uncherishing
unchested
unchevroned
unchewable
unchewableness
unchewed
unchic
unchicly
unchristianness
unchromatic
unchromed
unchronic
unchronically
unchronicled
unchronological
unchronologically
unchurch
unchurched
unchurches
unchurching
unchurchlike
unchurchly
unchurlish
unchurlishly
unchurlishness
unchurn
unchurned
unci
uncia
unciae
uncial
uncialize
uncially
uncials
unciatim
uncicatrizied
unciferous
unciform
unciforms
unciliated
uncinal
uncinaria
uncinariasis
uncinariatic
uncinate
uncinated
uncinatum
uncinch
uncinct
uncinctured
uncini
uncinus
uncipher
uncircled
uncircuitous
uncircuitously
uncircuitousness
uncircular
uncircularised
uncircularized
uncircularly
uncirculated
uncirculating
uncirculative
uncircumcised
uncircumcisedness
uncircumcision
uncircumlocutory
uncircumscribable
uncircumscribed
uncircumscribedness
uncircumscrip
t
uncircumscribable
uncircumscription
uncircumspect
uncircumspection
uncircumspective
uncircumspectly
uncircumspectness
uncircumstanced
uncircumstantial
uncircumstantially
uncircumstantially
uncircumvented
uncirostrate
uncitable
uncite
unciteable
uncited
unctited
uncitizen
uncitizenlike
uncitizenly
uncity
uncivic
uncivil
uncivilisable
uncivilisable
uncivilish
uncivility
uncivilizable
uncivilization
uncivilize
uncivilized
uncivilizedly
uncivilizedness
uncivilizing
uncivilly
uncivilness
unclad
unclaimed
unclaiming
unclamorous
unclamorously
unclamorousness
unclamp
unclamped
unclamping
unclamps
unclandestinely
unclannish
unclannishly
unclannishness
unclarified
unclarifying
unclarity
unclashing
unclasp
unclasped
unclasping
unclasps
unclassable
unclassableness
unclassably
unclassed
unclassible
unclassical
unclassically
unclassifiable
unclassifiableness
unclassifiably
unclassification
unclassified
unclassify
unclassifying
unclawed
unclay
unclayed
uncle
uncle’s
unclead
unclean
uncleanable
uncleaned
uncleaner
uncleanest
uncleanlily
uncleanliness
uncleanly
uncleanness
uncleanable
uncleanse
uncleansed
uncleansedness
unclear
unclearable
uncleared
unclearer
unclearest
unclearing
unclearly
unclearness
uncleavable
uncleave
uncledom
uncleft
unclehood
unclement
unclemently
unclementness
unclench
unclenched
unclenches
unclenching
unclergy
unclergyable
unclerical
unclericalize
unclerically
unclericalness
unclerklike
unclerkly
uncles
uncleship
unclever
uncleverly
uncleverness
unclew
unclick
uncliented
unclify
unclimactic
unclimaxed
unclimb
unclimbable
unclimbableness
unclimbably
unclimbed
unclimbing
unclinch
unclinched
unclinches
unclinching
uncling
unclinging
unclinical
unclip
unclipped
unclipper
unclipping
uncloak
uncloakable
uncloaked
uncloaking
uncloaks
unclog
unclogged
unclogging
unclogs
uncloister
uncloistered
uncloistral
unclosable
unclose
unclosed
uncloses
uncloseted
unclosing
unclot
unclothe
unclothed
unclothedly
unclothedness
unclothes
unclothing
unclootted
unclotting
uncloud
uncloaked
uncockneyfy
uncocks
uncocted
uncodded
uncodddled
uncoded
uncodified
uncoerced
uncoffer
uncoffin
uncoffined
uncoffining
uncoffins
uncoffle
uncoft
uncogent
uncogently
uncogged
uncogitable
uncognisable
uncognizable
uncognizant
uncognized
uncognoscibility
uncognoscible
uncoguidism
uncoherent
uncoherently
uncoherentness
uncohesive
uncohesively
uncohesiveness
uncoif
uncoifed
uncoiffed
uncoil
uncoiled
uncoiling
uncoils
uncoin
uncoincided
uncoincident
uncoincidental
uncoincidentally
uncoincidently
uncoinciding
uncoined
uncoked
uncombable
uncombatable
uncombatant
uncombat ed
uncombative
uncombed
uncombinable
uncombinableness
uncombinably
uncombinational
uncombinative
uncombine
uncombined
uncombining
uncombiningness
uncombustible
uncombustive
uncome
uncomelier
uncomeliest
uncomely
uncomeliness
uncomely
uncomfort
uncomfortable
uncomfortableness
uncomfortably
uncomforted
uncomforting
uncomfy
uncomic
uncomical
uncomically
uncommanded
uncommand edness
uncom manderlike
uncommemorated
uncommemorative
uncommemoratively
uncommenced
un commend able
un commend ableness
un commend ably
un commend atory
uncommended
un commensurability
uncommensurable
uncommensurableness
uncompanionable
uncompanioned
uncomparable
uncomparableness
uncomparably
uncompared
uncompartmentalize
uncompartmentalized
uncompartmentalizes
uncompass
uncompassability
uncompassable
uncompassed
uncompassion
uncompassionate
uncompassionated
uncompassionately
uncompassionateness
uncompassionating
uncompassioned
uncompatible
uncompatibly
uncompellable
uncompelled
uncompelling
uncompensious
uncompensable
uncompensated
uncompensating
uncompensative
uncompensatory
uncompetent
uncompetently
uncompetitive
uncompetitively
uncompetitiveness
uncompiled
uncomplacent
uncomplacently
uncomplained
uncomplaining
uncomplainingly
uncomplainingness
uncomplaint
uncomplaisance
uncomplaisant
uncomplaisantly
uncomplemental
uncomplementally
uncomplementary
uncomplemented
uncompletable
uncomplete
uncompleted
uncompletely
uncompleteness
uncomplex
uncomplexity
uncomplexly
uncomplexness
uncompliability
uncompliable
uncompliableness
uncompliably
uncompliance
uncompliant
uncompliantly
uncomplicated
uncomplicatedness
uncomplication
uncomplimentary
uncomplimented
uncomplimenting
uncomplying
uncomportable
uncomposable
uncomposeable
uncomposed
uncompound
uncompoundable
uncompounded
uncompoundedly
uncompoundedness
uncompounding
uncomprehend
uncomprehended
uncomprehending
uncomprehendingly
uncomprehendingness
uncomprehended
uncomprehensible
uncomprehensibleness
uncomprehensibly
uncomprehension
uncomprehensive
uncomprehensively
uncomprehensiveness
uncompressed
uncompressible
uncomprised
uncomprising
uncomprisingly
uncompromisable
uncompromised
uncompromising
uncompromisingly
uncompromisingness
uncompt
uncompulsive
uncompulsively
uncompulsory
uncomputable
uncomputableness
uncomputably
uncomputed
uncomraded
unconcatenated
unconcatenating
unconcealable
unconcealableness
unconcealably
unconcealed
unconcealedly
unconcealing
unconcealingly
unconcealment
unconceded
unconceding
unconceited
unconceitedly
unconceivable
unconceivableness
unconceivably
unconceived
unconceiving
unconcentrated
unconcentratedly
unconcentrative
unconcentric
unconcentrically
unconceptual
unconceptualized
unconceptually
unconcern
unconcerned
unconcernedly
unconcernedness
unconcerning
unconcernment
unconcertable
unconcerted
unconcertedly
unconcertedness
unconcessible
unconciliable
unconciliated
unconciliatedness
unconciliating
unconciliative
unconciliatory
unconcludable
unconcluded
unconcludent
unconcluding
unconcludingness
unconclusive
unconclusively
unconclusiveness
unconcocted
unconcordant
unconcordantly
unconcrete
unconcreted
unconcretely
unconcreteness
unconcurred
unconcurren
unconcurrently
unconcurring
uncondemnable
uncondemned
uncondemning
uncondemningly
uncondensable
uncondensableness
uncondensably
uncondensational
uncondensed
uncondensing
uncondescending
uncondescendingly
uncondescension
uncondited
uncondition
unconditional
unconditionality
unconditionally
unconditionalness
unconditionate
unconditionated
unconditionately
unconditioned
unconditionedly
unconditionedness
uncondolatory
uncondoled
uncondoling
uncondoned
uncondoning
unconducting
unconducive
unconducively
unconduciveness
unconducted
unconductive
unconductible
unconductiveness
unconfected
unconfederated
unconferred
unconfess
unconfessed
unconfessing
unconfided
unconfidence
unconfident
unconfidential
unconfidentialness
unconfidently
unconfiding
unconfinable
unconfine
unconfined
unconfinedly
unconfinedness
unconfinement
unconfining
unconfirm
unconfirmability
unconfirmable
unconfirmative
unconfirmatory
unconfirmed
unconfirming
unconfiscable
unconfiscated
unconfiscatory
unconflicting
unconflictingly
unconflictingness
unconflictive
unconform
unconformability
unconformable
unconformableness
unconformably
unconformed
unconformedly
unconforming
unconformism
unconformist
unconformities
unconformity
unconfound
unconfounded
unconfoundedly
unconfounding
unconfoundingly
unconfrontable
unconfronted
unconfusable
unconfusably
unconfused
unconfusedly
unconfusing
unconfutability
unconfutable
unconfutative
unconfuted
unconfuting
uncongeal
uncongealable
uncongealed
uncongenial
uncongeniality
uncongenially
uncongested
uncongestive
unconglobated
unconglomerated
unconglutinated
unconglutinative
uncongratulate
uncongratulated
uncongratulating
uncongratulatory
uncongregated
uncongregational
uncongregative
uncongressional
uncongruous
uncongruously
uncongruousness
unconical
unconjecturable
unconjectural
unconjectured
unconjoined
unconjugal
unconjugated
unconjunctive
unconjured
unconnected
unconnectedly
unconnectedness
unconned
unconnived
unconniving
unconnotative
unconquerable
unconquerableness
unconquerably
unconquered
unconquest
unconscienced
unconscent
unconscientious
unconscientiously
unconscientiousness
unconscionability
unconscionable
unconscionableness
unconscionably
unconscious
unconsciously
unconsciousness
unconsecrate
unconsecrated
unconsecratedly
unconsecratedness
unconsecration
unconsecrative
unconsecutive
unconsecutively
unconsent
unconsentaneous
unconsentaneously
unconsentaneousness
unconsented
unconsentient
unconsenting
unconsequential
unconsequentially
unconsequentialness
unconservable
unconservative
unconservatively
unconservativeness
unconserved
unconserving
unconsiderable
unconsiderablely
unconsiderate
unconsiderately
unconsiderateness
unconsidered
unconsideredly
unconsideredness
unconsidering
unconsideringly
unconsignable
unconsigned
unconsistent
unconsociable
unconsociated
unconsolability
unconsolable
unconsolably
unconsolatory
unconsoled
unconsolidated
unconsolidating
unconsolidation
unconsoling
unconsolingly
unconsonancy
unconsonant
unconsonantly
unconsonous
unconspicuous
unconspicuously
unconspicuousness
unconspired
unconspiring
unconspiringly
unconspiringness
unconstancy
unconstant
unconstantly
unconstancy
unconstellated
unconsternated
unconstipated
unconstituted
unconstitutional
unconstitutionalism
unconstitutionality
unconstitutionally
unconstrainable
unconstrained
unconstrainedly
unconstrainedness
unconstraining
unconstraint
unconstricted
unconstrictive
unconstruable
unconstructed
unconstructive
unconstructively
unconstructural
unconstrued
unconsular
unconsult
unconsultable
unconsultative
unconsultatory
unconsulted
unconsulting
unconsumable
unconsumed
unconsuming
unconsummate
unconsummated
unconsummately
unconsummative
unconsumptive
unconsumptively
uncontacted
uncontagious
uncontagiously
uncontainable
uncontainableness
uncontainably
uncontained
uncontainable
uncontaminate
uncontaminated
uncontaminative
uncontemned
uncontemnedly
uncontemning
uncontemningly
uncontemplable
uncontemplated
uncontemplative
uncontemplatively
uncontemplativeness
uncontemporaneous
uncontemporaneously
uncontemporaneousness
uncontemporary
uncontemptibility
uncontemptible
uncontemptibleness
uncontemptibly
uncontemptuous
uncontemptuously
uncontemptuousness
uncontended
uncontending
uncontent
uncontentable
uncontented
uncontentedly
uncontentedness
uncontenting
uncontentingness
uncontentious
uncontentiously
uncontentiousness
uncontestability
uncontestable
uncontestably
uncontestableness
uncontestably
uncontester
uncontested
uncontestedly
uncontestedness
uncontiguous
uncontiguously
uncontiguousness
uncontinentence
uncontinent
uncontinental
uncontingent
uncontingently
uncontinual
uncontinually
uncontended
uncontorted
uncontortedly
uncontortioned
uncontortive
uncontoured
uncontract
uncontracted
uncontractedness
uncontractile
uncontradictable
uncontradictabley
uncontradictableness
uncontradictably
uncontradicted
uncontradictedly
uncontradictious
uncontradictive
uncontradictory
uncontrastable
uncontrastably
uncontrasted
uncontrasting
uncontrastive
uncontrastively
uncontributed
uncontributing
uncontributive
uncontributively
uncontributiveness
uncontributory
uncontrite
uncontriteness
uncontrived
uncontriving
uncontrol
uncontrollability
uncontrollable
uncontrollableness
uncontrollably
uncontrolled
uncontrolledly
uncontrolledness
uncontrolling
uncontroversial
uncontrovertially
uncontrovertible
uncontrovertableness
uncontrovertably
uncontroverted
uncontrovertedly
uncontrovertible
uncontrovertibleness
uncontrovertibly
uncontumacious
uncontumaciously
uncontumaciousness
unconvenable
unconvened
unconvenial
unconvenience
unconvenient
unconveniently
unconvening
unconventional
unconventionalism
unconventionalities
unconventionality
unconventionalize
unconventionalized
unconventionalizes
unconventionally
unconventioned
unconverged
unconvergent
unconverging
unconversable
unconversableness
unconversably
unconversance
unconversant
unconversational
unconversing
unconversion
unconvert
unconverted
unconvertedly
unconvertedness
unconvertibility
unconvertible
unconvertibleness
unconvertibly
unconveyable
unconveyed
unconvicted
unconvicting
unconvictive
unconvince
unconvinced
unconvincedly
unconvincedness
unconvincibility
unconvincible
unconvincing
unconvincingly
unconvincingness
unconvolute
unconvoluted
unconvolutely
unconvoyed
unconvulsed
unconvulsive
unconvulsively
unconvulsiveness
uncookable
uncooked
uncool
uncooled
uncoop
uncooped
uncooperating
uncooperative
uncooperatively
uncooperativeness
uncoopered
uncooping
uncoordinate
uncoordinated
uncoordinately
uncoordinateness
uncope
uncopiabile
uncopied
uncopious
uncopyable
uncopyrighted
uncoquettish
uncoquettishly
uncoquettishness
uncord
uncorded
uncordial
uncordiality
uncordially
uncordialness
uncording
uncore
uncored
uncoring
uncork
uncorked
uncorker
uncorking
uncorks
uncorned
uncorner
uncornered
uncoronated
uncoroneted
uncorporal
uncorpulent
uncorpulently
uncorrect
uncorrectable
uncorrectabley
uncorrected
uncorrectible
uncorrective
uncorrectly
uncorrectness
uncorrelated
uncorrelatedly
uncorrelative
uncorrelatively
uncorrelatedness
uncorrelativity
uncorrespondency
uncorrespondent
uncorresponding
uncorrespondingly
uncorridored
uncorrigible
uncorrigibleness
uncorrigibly
uncorroborant
uncorroborated
uncorroborative
uncorroboratively
uncorroboratory
uncorroded
uncorrugated
uncorrupt
uncorrupted
uncorruptedly
uncorruptedness
uncorruptibility
uncorruptible
uncorruptibleness
uncorruptibly
uncorrupting
uncorruption
uncorruptive
uncorruptly
uncorruptness
uncorseted
uncorven
uncos
uncosseted
uncost
uncostliness
uncostly
uncostumed
uncottoned
uncouch
uncouched
uncouching
uncounselable
uncounseled
uncounsellable
uncounsellled
uncountable
uncountableness
uncountably
uncounted
uncountenanced
uncounteracted
uncounterbalance
uncounterfeit
uncounterfeited
uncountermandable
uncountermanded
uncountervailed
uncountess
un countrified
uncouple
uncoupled
uncoupler
uncouples
uncoupling
uncourageous
uncourageously
uncourageousness
uncoursed
uncourted
uncourteous
uncourteously
uncourteousness
uncourtesies
uncourtesy
uncourtierlike
uncourting
uncourtlike
uncourtliness
uncourtly
uncous
uncousingly
uncouth
uncouthie
uncouthly
uncouthness
uncouthsome
uncovenable
uncovenant
uncovenanted
uncreates
uncreating
uncreation
uncreative
uncreatively
uncreativeness
uncreativity
uncreaturely
uncredentialed
uncredentialled
uncredibility
uncredible
uncredibly
uncredit
uncreditable
uncreditableness
uncreditably
uncredited
uncrediting
uncredulous
uncredulously
uncredulousness
uncreeping
uncreosoted
uncrest
uncrested
uncrevassed
uncrib
uncribbed
uncribbing
uncried
uncrime
uncriminal
uncriminally
uncringing
uncrinkle
uncrinkled
uncrinking
uncrippled
uncrisp
uncritical
uncritically
uncriticalness
uncriticisable
uncriticisably
uncriticised
uncriticising
uncriticisingly
uncriticism
uncriticizable
uncriticizably
uncriticized
uncriticizing
uncriticizingly
uncrochety
uncrook
uncrooked
uncrookedly
uncrooking
uncropped
uncropt
uncross
uncrossable
uncrossableness
uncrossed
uncrosses
uncrossexaminable
uncrossexamined
uncrossing
uncrossly
uncrowded
uncrown
uncrowned
uncrowning
uncrows
uncrucified
uncrudded
uncrude
uncrudely
uncrudeness
uncrudity
uncruel
uncruelly
uncruelness
uncrumbled
uncrumple
uncrumpled
uncrumpling
uncrushable
uncrushed
uncrusted
uncrying
uncrystaled
uncrystalled
uncrystalline
uncrystallisable
uncrystallizability
uncrystallizable
uncrystallized
uncs
unct
unction
unctional
unctioneer
unctionless
unctions
unctious
unctiousness
unctorian
unctorium
unctuose
unctuosity
unctuous
unctuously
unctuousness
uncubed
uncubic
uncubical
uncubically
uncubicalness
uncuckold
uncuckolded
uncudged
uncudgedel
uncuffed
uncular
unculled
uncullibility
uncullible
unculpable
unculted
uncultivated
uncultivable
uncultivatable
uncultivation
uncultivatedness
unculturable
unculture
uncultured
unculturedness
uncumber
uncumbered
uncumbrous
uncumbrously
uncumbrousness
uncumulative
uncunning
uncunningly
uncunningness
uncupped
uncurable
uncurableness
uncurably
uncurb
uncurbable
uncurbed
uncurbedly
uncurbing
uncurbs
uncurd
uncurdled
uncurdling
uncured
uncurious
uncuriously
uncurl
uncurled
uncurling
uncurls
uncurrent
uncurrently
uncurrentness
uncurricularized
uncurried
uncurse
uncursed
uncursing
uncurst
uncurtailable
uncurtailably
uncurtailed
uncertain
uncertainly
uncertainty
uncurricularized
uncurried
uncurse
uncursed
uncursing
uncurst
uncurtailable
uncurtailably
uncurtailed
uncertain
uncertainly
uncertainty
uncurled
uncurling
uncurls
uncurrent
uncurrently
uncurrentness
uncurricularized
uncurried
uncurse
uncursed
uncursing
uncurst
uncurtailable
uncurtailably
uncurtailed
uncertain
uncertainly
uncertainty
uncurled
uncurling
uncurls
uncurrent
uncurrently
uncurrentness
uncurricularized
uncurried
uncurse
uncursed
uncursing
uncurst
uncurtailable
uncurtailably
uncurtailed
uncertain
uncertainly
uncertainty
uncurled
uncurling
uncurls
uncurrent
uncurrently
uncurrentness
uncurricularized
uncurried
uncurse
uncursed
uncursing
uncurst
uncurtailable
uncurtailably
uncurtailed
uncertain
uncertainly
uncertainty
uncurled
uncurling
uncurls
uncurrent
uncurrently
uncurrentness
uncurricularized
uncurried
uncurse
uncursed
uncursing
uncurst
uncurtailable
uncurtailably
uncurtailed
uncertain
uncertainly
uncertainty
uncurled
uncurling
uncurls
uncurrent
uncurrently
uncurrentness
uncurricularized
uncurried
uncurse
uncursed
uncursing
uncurst
uncurtailable
uncurtailably
uncurtailed
uncertain
uncertainly
uncertainty
uncurled
uncurling
uncurls
uncurrent
uncurrently
uncurrentness
uncurricularized
uncurried
uncurse
uncursed
uncursing
uncurst
uncurtailable
uncurtailably
uncurtailed
uncertain
uncertainly
uncertainty
uncurled
uncurling
uncurls
uncurrent
uncurrently
uncurrentness
uncurricularized
uncurried
uncurse
uncursed
uncursing
uncurst
uncurtailable
uncurtailably
uncurtailed
uncertain
uncertainly
uncertainty
uncurled
uncurling
uncurls
uncurrent
uncurrently
uncurrentness
uncurricularized
uncurried
uncurse
uncursed
uncursing
uncurst
uncurtailable
uncurtailably
uncurtailed
uncertain
uncertainly
uncertainty
uncurled
uncurling
uncurls
uncurrent
uncurrently
uncurrentness
uncurricularized
uncurried
uncurse
uncursed
uncursing
uncurst
uncurtailable
uncurtailably
uncurtailed
uncertain
uncertainly
uncertainty
uncurled
uncurling
uncurls
uncurrent
uncurrently
uncurrentness
uncurricularized
uncurried
uncurse
uncursed
uncursing
uncurst
uncurtailable
uncurtailably
uncurtained
uncurving
uncus
uncushioned
uncusped
uncustomable
uncustomarily
uncustomariness
uncustomary
uncustomed
uncut
uncute
uncuth
uncuticulate
uncutable
uncynical
uncynically
uncypress
undabbled
undaggled
undaily
undaintily
undaintiness
undainty
undallying
undam
undamageable
undamaged
undamaging
undamasked
undammed
undamming
undamn
undammified
undampable
undamped
undampened
undanceable
undancing
undandiacal
undandled
undangered
undangerous
undangerously
undangerousness
undapper
undappled
undared
undaring
undaringly
undark
undarken
undarkened
undarned
undashed
undatable
undate
undateable
undated
undatedness
undaub
undaubed
undaughter
undaughterliness
undaughterly
undauntable
undaunted
undauntedly
undauntedness
undaunting
undawned
undawning
undazed
undazing
undazzle
undazzled
undazzling
unde
undead
undeadened
undeadlocked
undeadly
undeaf
undealable
undealt
undean
undear
undebarred
underbased
underbatable
underbatably
underbated
underbating
underbauched
underbauchedness
underbiliated
underbilitating
underbilitative
underbited
underdecadent
underdecantly
underdecagon
undecanaphthene
undecane
undecatoic
undecayable
undecayableness
undecayed
undecayedness
undecaying
undeceased
undeceitful
undeceitfully
undeceitfulness
undeceivability
undeceivable
undeceivableness
undeceivably
undeceive
undeceived
undeceiver
undeceives
undeceiving
undececity
undeccenmary
undeccennial
undecent
undecently
undeception
undeceptious
undeceptitious
undeceptive
undeceptively
undeceptiveness
undeccidable
undeccide
undeccided
undeccidedly
undeccidedness
undecciding
undeccillion
undeccillionth
undeccimal
undecciman
undeccimole
undeccipher
undeccipherability
undeccipherable
undeccipherably
undecciphered
undecision
undecisive
undecisively
undecisiveness
undeck
undecked
undeclared
undeclaring
undeclamatory
undeclarable
undeclarative
undeclare
undeclared
undeclinal
undeclinalness
undeclinably
undeclined
undeclining
unde decocted
unde coic
unde colic
unde decomposable
unde composed
unde compounded
unde corated
unde corative
unde corous
unde corously
unde corousness
unde corticated
unde coyed
unde creased
unde creasing
unde creasingly
unde cree
unde creed
unde crepit
unde cretive
unde cretory
unde cried
unde cyl
unde cylene
unde cylenic
unde cylic
unde ciate
unde cated
unde ced
unde cible
undeferential
undeferentially
undeferrable
undeferrably
undeferred
undeifiable
undeifiably
undeifiant
undeiantly
undeificent
undeificently
undeified
undeifiable
undeifed
undeifedly
undeifedness
undeifiability
undeifiable
undeifiableness
undeifiably
undeine
undeined
undeinely
undeinedness
undeinite
undeinitely
undeiniteness
undeinitive
undeinitively
undeinitiveness
undeificateability
undeificateable
undeicected
undeective
undeecfedered
undeecformable
undeecormed
undeecormedness
undeecrauded
undeecraied
undeect
undeectcly
undeectness
undeecnecacy
undeecerate
undeecgenerated
undeecgenerateness
undeecgenerating
undegenerative
undegraded
undegraded
undegradation
undeified
undeify
undeifying
undeistical
undejected
undejectedly
undejectedness
undelated
undelayable
undelayed
undelayedly
undelaying
undelayingly
undetectability
undetectable
undectably
undelegated
undeleted
undeleterious
undeleteriously
undeleteriousness
undeliberate
undeliberated
undeliberately
undeliberateness
undeliberating
undeliberatingly
undeliberative
undeliberatively
undeliberativeness
undelible
undelicious
undeliciously
undelight
undelighted
undelightedly
undelightful
undelightfully
undelightfulness
undelightening
undelightingsome
undelimited
undelineable
undelineated
undelineative
undelinquent
undelinquently
undelirious
undeliriously
undeliverable
undeliverableness
undelivered
undelivery
undeludable
undelude
undeluded
undeludedly
undeluding
undeluged
undelusive
undelusively
undelusiveness
undelusory
undelve
undelved
undelylene
undemagnetizable
undemanded
undemanding
undemandingness
undemised
undemocratic
undemocratically
undemocratisation
undemocratise
undemocratised
undemocratising
undemocratization
undemocratize
undemocratized
undemocratizing
undemolishable
undemolished
undemonstrable
undemonstrableness
undemonstrably
undemonstratable
undemonstrated
undemonstrational
undemonstrative
undemonstratively
undemonstrativeness
undemoralized
undemure
undemurely
undemureness
undemurring
unden
undeniability
undeniable
undeniableness
undeniably
undenied
undeniedly
undenizened
undenominated
undenominational
undenominationalism
undenominationalist
undenominationalize
undenominationally
undenotable
undenotative
undenotatively
undenoted
undenounced
undented
undenuded
undenunciated
undenunciatory
undeportable
undeportably
undeported
undeporting
undepraved
undepravedness
underbillow
underbind
underbishop
underbishopsric
underbit
underbite
underbitted
underbitten
underboard
underboated
underbodice
underbodies
underbody
underboil
underboom
underborn
underborne
underbottom
underbough
underbought
underbound
underbowed
underbowser
underbox
underboy
underbrace
underbraced
underbracing
underbranch
underbreath
underbreathing
underbred
underbreeding
underbrew
underbridge
underbridged
underbridging
underbrigadier
underbright
underbrim
underbrush
underbubble
underbud
underbudde
underbudded
underbudding
underbudgeted
underbuds
underbuild
underbuilder
underbuilding
underbuilt
underbuoy
underburn
underburned
underburnt
underbursar
underbury
underbush
underbutler
underbuy
underbuying
underbuys
undercanopy
undercanvass
undercap
undercapitaled
undercapitalization
undercapitalize
undercapitalized
undercapitalizing
undercaptain
undercarder
undercarriage
undercarriages
undercarried
undercarry
undercarrying
undercart
undercarter
undercarve
undercarved
undercarving
undercase
undercasing
undercast
undercause
underceiling
undercellar
undercellarer
underchamber
underchamberlain
underchancellor
underchanter
underchap
undercharge
undercharged
undercharges
undercharging
underchief
underchime
underchin
underchord
underchurched
undercircle
undercircled
undercircling
undercitizen
undercitizenries
undercitizenry
underclad
undercladding
underclass
underclassman
underclassmen
underclay
underclearer
underclerk
underclerks
underclerkship
undercliff
underclift
undercloak
undercloth
underclothe
underclothed
underclothes
underclothing
underclub
underclutch
undercoachman
undercoachmen
undercoat
undercoated
undercoater
undercoating
undercoatings
undercoats
undercollector
undercolor
undercolored
undercoloring
undercommander
undercomment
undercompounded
underconcerned
undercondition
underconsciousness
underconstable
underconstumble
underconsume
underconsumed
underconsuming
underconsumption
undercook
undercooked
undercooking
undercooks
undercool
undercooled
undercooper
undercorrect
undercountenance
undercourse
undercoursed
undercursing
undercourtier
undercover
undercovering
undercovert
undercraft
undercrawl
undercreep
undercrest
undercrier
undercroft
undercrop
undercrossing
undercrust
undercry
undercrypt
undercumstand
undercup
undercurl
undercurrent
undercurrents
undercurve
undercurved
undercurving
undercut
undercuts
undercutter
undercutting
underdauber
underdeacon
underdead
underdealer
underdealing
underdebauchee
underdeck
underdegreeed
underdepth
underdevelop
underdevelope
underdeveloped
underdevelopement
underdeveloping
underdevelopment
underdevil
underdialogue
underdid
underdig
underdigging
underdip
underdish
underdistinction
underdistributor
underditch
underdive
underdo
underdoctor
underdoer
underdoes
underdog
underdogs
underdoing
underdone
underdose
underdosed
underdosing
underdosing
underdot
underdotted
underdotting
underdown
underdraft
underdrag
underdrain
underdrainage
underdrainer
underdraught
underdraw
underdrawers
underdrawing
underdrawn
underdress
underdressed
underdresses
underdressing
underdrew
underdried
underdrift
underdrive
underdriven
underdrudgery
underdrumming
underdry
underdrying
underdug
underdunged
underearth
undereat
undereate
undereaten
undereating
undereats
underedge
undereducated
undereducation
underemphasis
underemphasize
underemphasized
underemphasizes
underemphasizing
underemployed
underemployment
underengraver
underenter
underer
underescheator
underestimate
underestimated
underestimates
underestimating
underestimation
underestimations
underexcited
underexercise
underexercised
underexercising
underexpose
underexposed
underexposes
underexposing
underexposure
underexposures
undereye
undereyed
undereying
underface
underfaced
underfacing
underfaction
underfactor
underfaculty
underfalconer
underfall
underfarmer
underfeathering
underfeature
underfed
underfeed
underfeeder
underfeeding
underfeeds
underfeel
underfeeling
underfeet
underfellow
underfelt
underffed
underfiend
underfill
underfilling
underfinance
underfinanced
underfinances
underfinancing
underfind
underfire
underfired
underfitting
underflame
underflannel
underfleece
underflood
underfloor
undergird
undergirding
undergirdle
undergirds
undergirt
undergirth
underglaze
undergloom
underglow
undergnaw
undergo
undergod
undergoes
undergoing
undergone
undergore
undergos
undergoverness
undergovernment
undergovernment
undergovernor
undergown
undergrad
undergrade
undergrads
undergraduate
undergraduate's
undergraduatedom
undergraduateness
undergraduates
undergraduateship
undergraduatism
undergraduette
undergraining
undergrass
undergreen
undergrieve
undergroan
undergrope
underground
undergrounder
undergrounder
undergrounding
undergrounding
undergroundness
undergrounds
undergrove
undergrow
undergrowl
undergrown
undergrowth
undergrub
underguard
underguardian
undergunner
underhabit
underhammer
underhand
underhanded
underhandedly
underhandedness
underhang
underhanging
underhangman
underhangmen
underhatch
underhead
underheat
underheaven
underhelp
underhew
underhid
underhill
underhint
underhistory
underhive
underhold
underhole
underhonest
underhorse
underhorsed
underhorseman
underhorsemen
underhorsing
underhoused
underhousemaid
underhum
underhung
underid
underid
underinstrument
underinsurance
underinsured
underisible
underisive
underisively
underisiveness
underisory
underissue
underivable
underivative
underivatively
underived
underivedly
underivedness
underjacket
underjailer
underjanitor
underjaw
underjawed
underjaws
underjobbing
underjoin
underjoint
underjudge
underjudged
underjudging
underjungle
underkeel
underkeep
underkeeper
underkind
underking
underkingdom
underlaborer
underlabourer
underlaid
underlain
underland
underlanguaged
underlap
underlapped
underlapper
underlapping
underlaps
underlash
underlaundress
underlawyer
underlay
underlayer
underlayers
underlaying
underlayment
underlays
underleaf
underlease
underlooker
underlout
underlunged
underly
underlye
underlying
underlyingly
undermade
undermaid
undermaker
underman
undermanager
undermanned
undermanning
undermark
undermarshal
undermarshalman
undermarshalmen
undermasted
undermaster
undermatch
undermatched
undermate
undermath
undermeal
undermeaning
undermeasure
undermeasured
undermeasuring
undermediator
undermelodies
undermelody
undermentioned
undermiller
undermimic
underminable
undermine
undermined
underminer
undermines
undermining
underminingly
underminister
underministry
undermirth
undermist
undermoated
undermoney
undermoral
undermost
undermotion
undermount
undermountain
undermusic
undermuslin
undern
undernam
undername
undernamed
undernatural
underneath
underness
underniceness
undernim
undernome
underomen
undernote
undernoted
undernourish
undernourished
undernourishment
undernsong
underntide
underntime
undernumen
undernurse
undernutrition
underoccupied
underofficer
underofficered
underofficial
underofficials
underogating
underogative
underogatively
underogatory
underopinion
underorb
underorganisation
underorganization
underorseman
underoverlooker
underoxidise
underoxidised
underoxidising
underoxidize
underoxidized
underoxidizing
underpacking
underpaid
underpain
underpainting
underpan
underpants
underpart
underparticipation
underpartner
underparts
underpass
underpasses
underpassion
underpay
underpaying
underpayment
underpays
underpeep
underpeer
underpen
underpeopled
underpetticoat
underpetticoated
underpick
underpicked
underpier
underplaster
underpile
underpin
underpinned
underpinner
underpinning
underpinnings
underpins
underpitch
underpitched
underplain
underplan
underplant
underplanted
underplanting
underplate
underplay
underplayed
underplaying
underplays
underplot
underplotter
underply
underpoint
underpole
underpopulate
underpopulated
underpopulating
underpopulation
underporch
underporter
underpose
underpossessor
underpot
underpower
underpowered
underpraise
underpraised
underprefect
underprentice
underprepared
underpresence
underpresser
underpressure
underprice
underpriced
underprices
underpricing
underpriest
underprincipal
underprint
underprior
underprivileged
underprize
underprized
underprizing
underproduce
underproduced
underproducer
underproduces
underproducing
underproduction
underproductive
underproficient
underprompt
underprompter
underproof
underprop
undersheriffry
undersheriffship
undersheriffwick
undershield
undershine
undershining
undershire
undershirt
undershirts
undershoe
undershone
undershoot
undershooting
undershore
undershored
undershoring
undershorten
undersHORTS
undershot
undershrievalty
undershriev
undershrievety
undershrub
undershrubbing
undershrubbing
undershrubby
undershrubs
undershuker
undershut
underside
undersides
undersight
undersighted
undersign
undersignalman
undersignalmen
undersigned
undersigner
undersill
undersingsing
undersitter
undersize
undersized
underskin
underskirt
underskirts
undersky
undersleep
undersleeping
undersleeve
underslept
underslip
underslope
undersluice
underslung
undersnee
undersociety
undersoil
undersold
undersole
undersomething
undersong
undersorcerer
undersort
undersoul
undersound
undersovereign
undersow
underspan
underspar
undersparred
underspecies
underspecified
underspecify
underspecifying
underspend
underspending
underspends
underspent
undersphere
underspin
underspinner
undersplice
underspliced
undersplicing
underspore
underspread
underspreading
underspring
undersprout
underspurleather
undersquare
undersshot
understaff
understaffed
understage
understain
underalk
unertapster
unertaught
undertax
undertaxed
undertaxes
undertaxing
underteach
underteacher
underteaching
underteamed
underteller
undertenancy
undertenant
undertenter
undertenum
undererrestrial
undertest
underthane
underthaw
underthief
underthing
underthiings
underthink
underthirst
underthought
underthoating
underthrob
underthrust
undertie
undertied
undertieded
undertie
undertied
undertime
undertimed
undertint
undertitle
undertone
undertoned
undertones
undertook
undertow
undertows
undertrade
undertraded
undertrader
undertrading
undertrain
undertrained
undertread
undertreasurer
undertreat
undertribe
undertrick
undertrodden
undertuck
undertrump
undertuss
undertub
undertune
undertuned
undertunic
undertuning
underturf
underturn
underturnkey
undertutor
undertwig
undertying
undertype
undertyrant
underused
underusher
underutilization
underutilize
undervaluation
undervalue
undervalued
undervaluement
undervaluer
undervalues
undervaluing
undervaluinglike
undervaluingly
undervalve
undervassal
undervaulted
undervaulting
undervegetation
underventilate
underventilated
underventilating
underventilation
underverse
undervest
undervicar
underworkmen
underworld
underwound
underwrap
underwrapped
underwrapping
underwrit
underwrite
underwriter
underwriters
underwrites
underwriting
underwrote
underwrought
underyield
underyoke
underzeal
underzealot
underzealous
underzealously
underzealousness
undescendable
undescended
undescendent
undescendible
undescending
undescribable
undescribableness
undescribably
undescribed
undescried
undescript
undescriptive
undescriptively
undescriptiveness
undescrying
undesecrated
undesert
undeserted
undeserting
undeserve
undeserved
undeservedly
undeservedness
undeserver
undeserving
undeservingly
undeservingness
undesiccated
undesign
undesignated
undesignative
undesigned
undesignedly
undesignedness
undesigning
undesigningly
undesigningness
undesignability
undesirable
undesirableness
undesirably
undesire
undesired
undesiredly
undesiring
undesirous
undesirously
undesirousness
undesisting
undespaired
undespairing
undespairingly
undespacheted
undespised
undesparing
undespoiled
undespoiledly
undespoiledness
undespotic
undespotically
undestined
undestitute
undestroyable
undestroyed
undestructible
undestructibility
undestructiblely
undestructive
undestructively
undestructiveness
undetachable
undetached
undetachment
undetailed
undetainable
undetained
undetectable
undetectably
undetected
undetectible
undeteriorated
undeteriorating
undeteriorative
undeterminable
undeterminableness
undeterminably
undeterminate
undetermination
undetermined
undeterminedly
undeterminedness
undetermining
undeterrability
undeterrable
undeterrably
undeterred
undeterring
undetestability
undetestable
undetestableness
undetestably
undetested
undetesting
undethronable
undethroned
undetonated
undetracting
undetractingly
undettractive
undetractively
undetractory
undetrimental
undetrimentally
undevastated
undevastating
undevastatingly
undevelopable
undeveloped
undeveloping
undevelopment
undevelopmental
undevelopmentally
undevelopable
undeveloped
undeveloping
undevelopingly
undevelopment
undevelopish
undevelopous
undevelopously
undevelopousness
undevisable
undevised
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undeved
undiapered
undiaphanous
undiaphanously
undiaphanousness
undiatonic
undiatonically
undichotomous
undichotomously
undictated
undictatorial
undictatorially
undid
undidactic
undies
undieted
undifferenced
undifferent
undifferentiable
undifferentially
undifferential
undifferentiated
undifferentiating
undifferentiation
undifferently
undiffering
undifficult
undifficulty
undiffident
undiffidently
undiffracted
undiffractive
undiffractively
undiffractiveness
undiffused
undiffusible
undiffusive
undiffusively
undiffusiveness
undig
undigenous
undigest
undigestable
undigested
undigestible
undigesting
undigestion
undigged
undight
undighted
undigitated
undigne
undignified
undignifiedly
undignifiedness
undignify
undigressive
undigressively
undigressiveness
undiked
undilapidated
undilatable
undilated
undilating
undilative
undilatoiy
undilatory
undiligent
undiligently
undilute
undiluted
undiluting
undilution
undiluvial
undiluvian
undim
undimensioned
undimerous
undimidiate
undimidiated
undiminishable
undiminishableness
undiminishably
undiminished
undiminishing
undiminutive
undimly
undimmed
undimples
undine
undined
undines
undinted
undiocesed
undiphthongize
undiplomaed
undiplomatic
undiplomatically
undipped
undirect
undirected
undirectional
undirectly
undirectness
undirk
undisabled
undisadvantageous
undisagreeable
undisappearing
undisappointable
undisappointed
undisappointing
undisarmed
undisastrous
undisastrously
undisbanded
undisbarred
undisburdened
undisbursed
undiscardable
undiscarded
undiscernable
undiscernably
undiscerned
undiscernedly
undiscernible
undiscernibleness
undiscernibly
undiscerning
undiscerningly
undiscerningness
undischargeable
undischarged
undisciplined
undisciplinable
undiscipline
undisciplined
undisciplinedness
undisclaimed
undisclosable
undisclose
undisclosed
undisclosing
undiscolored
undiscoloured
undisguise
undisguised
undisguisedly
undisguisedness
undisguising
undisgusted
undisheartened
undished
undisheveled
undishonored
undisillusioned
undisinfect
undisinherited
undisintegrated
undisinterested
undisjoined
undisjointed
undisliked
undislocated
undislodgeable
undislodged
undismantled
undismay
undismayable
undismayed
undismayedly
undismembered
undismissed
undismounted
undisobedient
undisobeyed
undisobliging
undisordered
undisorderly
undisorganized
undisown
undisowning
undisparaged
undisparity
undispassionate
undispassionately
undispassionateness
undispatchable
undispatched
undispatching
undispellable
undispelled
undispensable
undispensed
undispensing
undispersed
undispersing
undisplaceable
undisplaced
undisplanted
undisplay
undisplicable
undispensible
undispensible
undispensing
undispersed
undispensal
undispensible
undisposed
undisposed
undisposedness
undisprivacyied
undisprovable
undisproved
undisproving
undisputable
undisputableness
undisputably
undisputatious
undisputatiously
undisputatiousness
undisputed
undisputedly
undisputedness
undisputing
undisqualifiable
undisqualified
undisquieted
undisreputable
undisrobed
undisrupted
undissected
undissembled
undissembledness
undissembling
undissemblingly
undissemnated
undissenting
undissevered
undissimulated
undissimulating
undissipated
undissociated
undissoluble
undissolute
undissoluteness
undissolvable
undissolved
undissolving
undissonant
undissonantly
undissuadable
undissuadably
undissuade
undistanced
undistant
undistantly
undistasted
undistasteful
undistempered
undistend
undistended
undistilled
undistinct
undistinctive
undistinctly
undistinctness
undistinguish
undistinguishable
undistinguishableness
undistinguishably
undistinguished
undistinguishedness
undistinguishing
undistinguishingly
undistorted
undistortedly
undistorting
undistracted
undistractedly
undistractedness
undistracting
undistractively
undistrained
undistraught
undistress
undistressed
undistributed
undistrusted
undistrustful
undistrustfully
undistrustfulness
undisturbable
undisturbance
undisturbed
undisturbedly
undisturbedness
undisturbing
undisturbingly
unditched
undithyrambic
undittoed
undiuretic
undiurnal
undiurnally
undivable
undivergent
undivergently
undiverging
undiverse
undiversely
undiverseness
undiversified
undiverted
undivertible
undivertibly
undiverting
undivertive
undivested
undivestedly
undividable
undividableness
undividably
undivided
undividedly
undividedness
undividing
undividual
undivinable
undivined
undivinelike
undivinely
undivining
undivisible
undivisive
undivisively
undivisiveness
undivorceable
undivorced
undivorcedness
undivorcing
undivulgable
undivulgeable
undivulged
undivulging
undizened
undizzied
undo
undoable
undocible
undock
undocked
undocketed
undocking
undocks
undocler
undoctored
undoctrinal
undoctrinally
undoctrined
undocumentary
undocumented
undocumentedness
undodged
undoer
undoer
undoers
undoes
undoffed
undog
undogmatic
undogmatical
undogmatically
undoing
undoingness
undoings
undolled
undolorous
undolorously
undolorousness
undomed
undomestic
undomesticable
undomestically
undomesticate
undomesticated
undomestication
undomicilable
undomiciled
undominated
undominative
undominating
undominical
undomoed
undon
undonated
undonating
undone
undoneness
undonkey
undoomish
undoomed
undoped
undormant
undose
undosed
undoting
undotted
undouble
undoubled
undoubles
undoubling
undoubtable
undoubtableness
undoubtedly
undoubted
undoubtedly
undoubtedness
undoubtful
undoubtfully
undoubtfulness
undoubting
undoubtingly
undoubtingness
undouched
undoughty
undovelike
undowel
undowned
undowned
undowny
undrab
undraftable
undrafted
undrag
undragoned
undragooned
undrainable
undrained
undramatic
undramatical
undramatically
undramatisable
undramatizable
undramatized
undrape
undraped
undraped
undrapes
undraping
undraw
undrawable
undrawing
undrawn
undraws
undreaded
undreadful
undreadfully
undreading
undreamed
undreaming
undreamlike
undreamt
undreamy
undredged
undreggy
undrenched
undress
undressed
undresses
undressing
undrest
undrew
undried
undrifting
undrillable
undrilled
undrinkable
undrinkableness
undrinkably
undrinking
undripping
undrivable
undrivableness
undriven
undronelike
undrooping
undropped
undropsical
undrossily
undrossiness
undrossy
undrowned
undrubbed
undrugged
undrun
undrunken
undrunkenness
undry
undryable
undrying
undualistic
undualistically
undualize
undub
undubbed
undubious
undubiously
undubiousness
undubitability
undubitably
undubitative
undubitatively
unducal
unduchess
unductile
undue
unduelling
undueness
undug
unduke
undulance
undulancy
undulant
undular
undularly
undulatance
undulate
undulated
undulately
undulates
undulating
undulatingly
undulation
undulationist
undulations
undulative
undulator
undulatory
undulatus
undull
undulled
undullness
unduloid
undulose
undulous
unduly
undumbfounded
undumped
unduncelike
undunged
undupability
undupable
unduped
unduplicability
unduplicable
unduplicated
unduplicative
unduplicity
undurability
undurable
undurableness
undurably
undure
undust
undusted
undusty
unduteous
unduteously
unduteousness
undutiable
undutiful
undutifully
undutifulness
unduty
undwarfed
undwellable
undwellable
undwelt
undwindling
unebullient
uneccentric
uneccentrically
unecclesiastic
unecclesiastical
unecclesiastically
unechoed
unechoic
unechoing
unelectic
unelectically
uneclipsed
uneclipsing
unecliptic
unecliptical
unecliptically
uneconomic
uneconomical
uneconomically
uneconomicalness
uneconomizing
uneecstatic
uneecstatically
unedacious
unedaciously
uneddied
uneddying
unedge
unedged
unedging
unedible
unedibleness
unedibly
unedificial
unedified
unedifying
uneditable
unedited
uneducable
uneducableness
uneducably
uneducate
uneducated
uneducatedly
uneducatedness
uneducative
uneduced
uneffable
uneffaceable
uneffaceably
uneffaced
uneffected
uneffectible
uneffective
uneffectively
uneffectiveness
uneffectless
uneffectual
uneffectually
uneffectualness
uneffectuated
uneffeminate
uneffeminated
uneffeminately
uneffeness
uneffervescent
uneffervescently
uneffete
uneffeteness
unefficacious
unefficaciously
unefficient
uneffigliated
uneffulgent
uneffulgently
uneffused
uneffusing
uneffusive
uneffusively
uneffusiveness
unegal
unegally
unegalness
unegoist
unegoistical
unegoistically
unegotistical
unegotistically
unegregious
unegregiously
unegregiousness
unejaculated
unejected
unejective
unelaborate
unelaborated
unelaborately
unelaborateness
unelapsed
unelastic
unelastically
unelasticity
unelated
unelating
unelbowed
unelderly
unelect
unelectable
unelected
unelective
unelectric
unelectrical
unelectrically
unelectrified
unelectrify
unelectrifying
unelectrized
unelectronic
uneleemosynary
unelegant
unelegantly
unelegantness
unelemental
unelementally
unelementary
unelevated
unelicitable
unelicited
unelided
unelidible
uneligibility
uneligible
uneligibly
uneliminated
unelliptical
unelongated
uneloped
uneloping
uneloquent
uneloquently
unelucidated
unelucidating
unelucidative
uneludable
unemigrating
uneminent
uneminently
unemissive
unemitted
unemitting
unemolumentary
unemolumented
unemotional
unemotionalism
unemotionally
unemotionalness
unemotioned
unemotive
unemotively
unemotionedness
unempaneled
unempanelled
unemphasized
unemphasizing
unemphatic
unemphatical
unemphatically
unempirical
unempirically
unemploy
unemployability
unemployable
unemployableness
unemployably
unemployed
unemployment
unempoisoned
unempowered
unempt
unemptiable
unempted
unempty
unemulative
unemulous
unemulsified
unenabled
unenacted
unenameled
unenamelled
unenamored
unenamoured
uncamped
unchafed
enchant
enchanted
enciphered
encircled
enclosed
encircled
encountered
encouraged
encouraging
encroached
encroaching
encrypted
encumber
encumbered
encumberedly
encumberedness
encumbering
encysted
endable
endamaged
endangered
endeared
endeavored
ended
endemic
ending
endingly
endingness
endly
 endorsable
endorsed
endowed
endowing
endued
endurability
endurable
endurableness
endurably
endured
enduring
enduringly
energetic
energetically
energized
enervated
unenfeebled
unenfiladed
unenforceability
unenforceable
unenforced
unenforcedly
unenforcedness
unenforcibility
unenfranchised
unengaged
unengaging
unengagingness
unengendered
unengineered
unenglish
unenglished
unengraved
unengraven
unengrossed
unengrossing
unenhanced
unenigmatic
unenigmatical
unenigmatically
unenjoined
unenjoyable
unenjoyableness
unenjoyably
unenjoyed
unenjoying
unenjoyingly
unenkindled
unenlarged
unenlarging
unenlightened
unenlightening
unenlightenment
unenlisted
unenlivened
unenlivening
unennobled
unennobling
unenounced
unenquired
unenquiring
unenraged
unenraptured
unenrichable
unenrichableness
unenriched
unenriching
unenrobed
unenrolled
unenshrined
unenslave
unenslaved
unensnared
unensouled
unensured
unentailed
unentangle
unentangleable
unentangled
unentanglement
unentangler
unentangling
unenterable
unentered
unentering
unenterprise
unenterprised
unenterprising
unenterprisingly
unenterprisingness
unentertainable
unentertained
unentertaining
unentertainingly
unentertainingness
unenthralled
unenthraling
unenthroned
unenthused
unenthusiasm
unenthusiastic
unenthusiastically
unenticeable
unenticed
unenticing
unenture
unentitled
unentitledness
unentitlement
unentombed
unentomological
unentrance
unentranced
unentrapped
unentreatable
ununtreated
ununtreating
ununtrenched
ununtwined
unenumerable
unenumerated
unenumerative
unenunciable
unenunciated
unenunciative
unenveloped
unenvenomed
unenviability
unenviable
unenviably
unenvied
unenviedly
unenvious
unenviably
unenvironed
unenvying
unenvyingly
unenwoven
unepauleted
unepauletted
unephemeral
unephemerally
unepic
unepicurean
unepigrammatic
unepigrammatically
unepilogued
unepiscopal
unepiscopally
unepistolary
unepitaphed
unepithelial
unepitomised
unepitomized
unepochal
unequality
unequable
unequableness
unequably
unequal
unequalable
unequaled
unequalise
unequalised
unequalising
unequality
unequalize
unequalized
unequalizing
unequalled
unequally
unequality
unequalise
unequalized
unequalising
unequalled
unequally
unequality
unequals
unequated
unequatorial
unequestrian
unequiangular
unequiaxed
unequilateral
unequilaterally
unequilibrated
unequine
unequipped
unequitable
unequitableness
unequitably
unequivalent
unequivalently
unequivalve
unequivaled
unequivocably
unequivocal
unequivocally
unequivocalness
unequivocating
uneradicable
uneradicated
uneradicative
unerasable
unerased
unerasing
unerect
unerected
unermined
unerodable
uneroded
unerodent
uneroding
unerosive
unerotic
unerable
unerableness
unerrably
unerrancy
unerrant
unerrantly
unerratic
unerring
unerringly
unerringness
unerroneous
unerroneously
unerroneousness
unerudite
unerupted
uneruptive
unescaladed
unescalloped
unescapable
unescapableness
unescapably
unescape
unescheatable
unescheated
uneschewable
uneschewably
uneschewed
unesco
unescorted
unescutcheoned
unesoteric
unespied
unespousable
unespoused
unessay
unessence
unessential
unessentially
unessentialness
unestablish
unestablishable
unestablished
unestablishment
unesteemed
unesthetic
unestimable
unestimableness
unestimably
unestimated
unestopped
unestranged
unetched
uneternal
uneternized
unethereal
unethereally
unetherealness
unetic
unethical
unethically
unethicalness
unethnologic
unethnological
unethnologically
unethylated
unetymologic
unetymological
unetymologically
unetymologizable
uneucharistical
uneugenic
uneugenical
uneugenicly
uneulogised
uneulogized
uneuphemistic
uneuphemistical
uneuphemistically
uneuphonic
uneuphonious
uneuphoniously
uneuphoniousness
unevacuated
unevadable
unevaded
unevadible
unevading
unevaluated
unevanescent
unevanescently
unevangelic
unevangelical
unevangelically
unevangelised
unevangelized
unevaporate
unevaporated
unevaporative
unevasive
uneasively
unevasiveness
uneven
unevener
unevenest
unevenly
unevenness
uneventful
uneventfully
uneventfulness
uneversible
uneverted
unevicted
unevidenced
unevident
unevidential
unevil
unevilly
unevinced
unevincible
unevirated
uneviscerated
unevitable
unevitably
unevocable
unevocative
unevokable
unevoked
unevolutional
unevolutionary
unevolved
unexacerbated
unexacerbating
unexact
unexacted
unexactedly
unexacting
unexactingly
unexactingness
unexactly
unexactness
unexaggerable
unexaggerated
unexaggerating
unexaggerative
unexaggeratory
unexalted
unexalting
unexamimable
unexamined
unexamining
unexampled
unexampledness
unexasperated
unexasperating
unexcavated
unexceedable
unexceeded
unexcelled
unexcellent
unexcellently
unexcelling
unexceptable
unexcepted
unexcepting
unexceptionability
unexceptionable
unexceptionableness
unexceptionably
unexceptional
unexceptionality
unexceptionally
unexceptionalness
unexceptive
unexcerpted
unexcessive
unexcessively
unexcessiveness
unexchangeable
unexchangeableness
unexchangeableness
unexchanged
unexcised
unexcitability
unexcitable
unexcitablely
unexcitableness
unexcited
unexciting
unexclaiming
unexcludable
unexcluded
unexcluding
unexclusive
unexclusively
unexclusiveness
unexcogitable
unexcogitated
unexcogitative
unexcommunicated
unexcoriated
unexcorticated
unexcrescent
unexcrescently
unexcreted
unexcruciating
unexculpable
unexculpably
unexculpated
unexcursive
unexcursively
unexcusable
unexcusableness
unexcusably
unexcused
unexcusedly
unexcusedness
unexcusing
unexecrated
unexecutable
unexecuted
unexecuting
unexecutorial
unexemplary
unexemplifiable
unexemplified
unexempt
unexemptable
unexempted
unexemptible
unexempting
unexercisable
unexercise
unexercised
unexerted
unexhalable
unexhaled
unexhausted
unexhaustedly
unexhaustedness
unexhaustible
unexhaustibleness
unexhaustibly
unexhaustion
unexhaustive
unexhaustively
unexhaustiveness
unexhibitible
unexhibitableness
unexhibited
unexhilarated
unexhilarating
unexhilarative
unexhortative
unexhorted
unexhumed
unexigent
unexigently
unexigible
unexitable
unexiled
unexistence
unexistent
unexistential
unexistentially
unexisting
unexonerable
unexonerated
unexonerative
unexorable
unexorableness
unexorbitant
unexorbitantly
unexorcisable
unexorcisably
unexorcised
unexotic
unexotically
unexpandable
unexpanded
unexpanding
unexpansible
unexpansive
unexpansively
unexpansiveness
unexpect
unexpectability
unexpectable
unexpectably
unexpectant
unexpectantly
unexpected
unexpectedly
unexpectedness
unexpecteds
unexpecting
unexpectedly
unexpectedly
unexpectorated
unexpedient
unexpeditely
unexpeditable
unexpeditated
unexpeditious
unexpeditiously
unexpeditiousness
unexpellable
unexpelled
unexpendable
unexpended
unexpensive
unexpensively
unexpensiveness
unexperience
unexperienced
unexperiencedness
unexperiencedness
unexperient
unexperiential
unexperientially
unexperimental
unexperimentally
unexperimented
unexpert
unexpertly
unexpertness
unexpiable
unexpired
unexpiring
unexplainable
unexplainableness
unexplainably
unexplained
unexplainedly
unexplainedness
unexpunged
unexpurgated
unexpurgatedly
unexpurgatedness
unextendable
unextended
unextendedly
unextendedness
unextendibility
unextendible
unextensibility
unextensible
unextenuable
unextenuated
unextenuating
unexterminable
unexterminated
unexternal
unexternality
unexterritoriality
unextinct
unextinctness
unextinguishable
unextinguishableness
unextinguishably
unextinguished
unextirpable
unextirpated
unextolled
unextortable
unextorted
unextractable
unextracted
unextradited
unextraneous
unextraneously
unextraordinary
unextravagance
unextravagant
unextravagantly
unextravagating
unextravasated
unextreme
unextremeness
unextricable
unextricated
unextrinsic
unextruded
unexuberant
unexuberantly
unexudative
unexuded
unexultant
unexultantly
uneye
uneeyeable
uneeyed
unfabled
unfabling
unfabricated
unfabulous
unfabulously
unfacaded
unface
unfaceable
unfaced
unfaceted
unfacetious
unfacetiously
unfacetiousness
unfacile
unfacilely
unfacilitated
unfact
unfactional
unfactious
unfactiously
unfactitious
unfactorable
unfactored
unfactual
unfactually
unfactualness
unfadable
unfaded
unfading
unfadingly
unfadingness
unfagged
unfagoted
unfailable
unfailableness
unfailably
unfailed
unfailing
unfailingly
unfailingness
unfain
unfaint
unfainting
unfaintly
unfair
unfairer
unfairest
unfairly
unfaiminded
unfairness
unfairlylike
unfaith
unfaithful
unfaithfully
unfaithfulness
unfaiths
unfaithworthiness
unfaithworthy
unfakable
unfaked
unfalculated
unfallacious
unfallaciously
unfallaciousness
unfallen
unfallenness
unfallible
unfallibleness
unfallibly
unfalling
unfallowed
unfalse
unfalseness
unfalsifiable
unfalsified
unfalsifiedness
unfalsity
unfaltering
unfalteringly
unfamed
unfamiliar
unfamiliarised
unfamiliarity
unfamiliarized
unfamiliarly
unfamous
unfanatical
unfanatically
unfanciable
unfancied
unfanciful
unfancifulness
unfanciness
unfancy
unfanged
unfanned
unfantastic
unfantastical
unfantastically
unfar
unfarced
unfarical
unfardle
unfarewelld
unfarmable
unfarmed
unfarming
unfarrowed
unfarsighted
unfasciate
unfasciated
unfascinate
unfascinated
unfascinating
unfashion
unfashionable
unfashionableness
unfashionably
unfashioned
unfast
unfasten
unfastenable
unfastened
unfastener
unfastening
unfastens
unfastidious
unfastidiously
unfastidiousness
unfasting
unfatalistic
unfatalistically
unfated
unfather
unfathered
unfatherlike
unfatherliness
unfatherly
unfathomability
unfathomable
unfathomableness
unfathomably
unfathomed
unfatigable
unfatigue
unfatigueable
unfatigued
unfatiguing
unfattable
unfatted
unfatten
unfatty
unfatuous
unfatuitously
unfauceted
unfaultable
unfaultfinding
unfaulty
unfavorable
unfavorableness
unfavorably
unfavored
unfavoring
unfavorite
unfavourable
unfavourableness
unfavourably
unfavoured
unfavouring
unfavourite
unfawning
unfazed
unfazedness
unfealty
unfeared
unfearful
unfearfully
unfearfulness
unfearing
unfearingly
unfearingness
unfeary
unfeasable
unfeasableness
unfeasably
unfeasibility
unfeasible
unfeasibleness
unfeasibly
unfeasted
unfeastly
unfeather
unfeathered
unfeatured
unfeaty
unfebrile
unfecund
unfecundated
unfed
unfederal
unfederated
unfederative
unfederatively
unfeeble
unfeebleness
unfeeably
unfeed
unfeedable
unfeeding
unfeeling
unfeel
unfeelable
unfeeling
unfeelingly
unfeelingness
unfeignable
unfeignableness
unfeignably
unfeigned
unfeignedly
unfeignedness
unfeigning
unfeigningly
unfeigningness
unfele
unfelicitated
unfelicitating
unfelicitous
unfelicitously
unfelicitousness
unfeline
unfellable
unfelled
unfellied
unfellow
unfellowed
unfellowlike
unfellowly
unfellowshiped
unfelon
unfelonious
unfeloniously
unfelony
unfelt
unfelted
unfemale
unfeminine
unfemininely
unfemininess
unfemininity
unfeminise
unfeminised
unfeminising
unfeminist
unfeminize
unfeminized
unfeminizing
unfence
unfenced
unfences
unfencing
unfended
unfendered
unfenestral
unfenestrated
unfeoffed
unfermentor
unfermentorship
unfermentable
unfermentableness
unfermentably
unfermentative
unfermented
unfermenting
unferminalike
unferocious
unferociously
unferreted
unferreted
unferreting
unferried
unfertile
unfertileness
unfertilisable
unfertilised
unfertilising
unfertility
unfertilizable
unfertilized
unfertilizing
unfertent
unfervently
unfervid
unfervidly
unfester
unfestered
unfestering
unfestival
unfesteive
unfestively
unfestooned
unfetchable
unfetched
unfetching
unfeted
unfetter
unfettered
unfettering
unfutters
unfettled
unfeudal
unfeudalise
unfeudalised
unfeudalising
unfeudalize
unfeudalized
unfeudalizing
unfeudally
unfeued
unfevered
unfeverish
unfew
unffroze
unffibbed
unffibbing
unffiber
unfibered
unffibred
unffibrous
unffibrously
unfickle
unfictitious
unfictitiously
unfictitiousness
unfidelity
unfidgeting
unfiducial
unfielded
unfiend
unfiendlike
unfierce
unfiercely
unfiery
unfight
unfightable
unfighting
unfigurative
unfigured
unfilamentous
unfilched
unfile
unfiled
unfilial
unfilially
unfilialness
unfiling
unfill
unfillable
unfilled
unfilleted
unfilling
unfilm
unfilmed
unfilterable
unfiltered
unfiltering
unfiltrated
unfimbriated
unfinable
unfinanced
unfinancial
unfindable
unfine
unfineable
unfined
unfinessed
unfingered
unflagging
unflaggingly
unflaggingness
unflagitious
unflagrant
unflagrantly
unflaked
unflaking
unflaky
unflamboyant
unflamboyantly
unflame
unflaming
unflanged
unflank
unflanked
unflappability
unflappable
unflappably
unflapping
unflared
unflaring
unflashing
unflaky
unflat
unflated
unflatted
unflattened
unflatterable
unflattered
unflattering
unflatteringly
unflaunted
unflaunting
unflauntingly
unflavored
unflavorous
unflavoured
unflavourous
unflawed
unflayed
unfleeced
unflecked
unfledge
unfledged
unfledgedness
unfleece
unfleeced
unfleeing
unfleeting
unflesh
unfleshed
unfleshliness
unfleshly
unfletched
unfleshed
unfleshliness
unfleshly
unfleth
unfletched
unfleshy
unfleshy
unfleth
unfletched
unflexed
unfleth
unfletched
unflexed
unfleth
unfletched
unflexibility
unflexible
unflexibleness
unflexibly
unflickering
unflickeringly
unflighty
unflinching
unflinchingly
unflinchiness
unflintify
unflippant
unflippantly
unflirtatious
unflirtatiously
unflirtatiousness
unflitched
unfloatable
unfloating
unfling
unfloggable
unflogged
unflopped
unflopped
unfloured
unflourished
unflourished
unflourishing
unflouted
unflower
unflowered
unflowering
unflowery
unflowing
unflown
unfluctuant
unfluctuating
unfluent
unfluently
unfluffed
unfluffy
unfluid
unfluked
unflunked
unfluorescent
unfluorinated
unflurried
unflush
unflushed
unflustered
unfluted
unflutterable
unfluttered
unfluttering
unfluvial
unfluxile
unflying
unfoaled
unfoamed
unfoaming
unfocused
unfocusing
unfocussed
unfocussing
unfogged
unfogging
unfoggy
unfoilable
unfoiled
unfoisted
unfold
unfoldable
unfolded
unfolden
unfolden
unfolder
unfolders
unfolding
unfoldment
unfolds
unfoldure
unfoliaged
unfoliated
unfollowable
unfollowed
unfollowing
unfomented
unfond
unfondled
unfondly
unfondness
unfoodful
unfool
unfoolable
unfooled
unfooling
unfoolish
unfoolishly
unfoolishness
unfooted
unfootsore
unfoppish
unforaged
unforbade
unforbearance
unforbearing
unforbid
unforbidded
unforbidden
unforbiddenly
unforbiddenness
unforbidding
unforceable
unforced
unforcedly
unforcedness
unforceful
unforcefully
unforcible
unforcibleness
unforcibly
unforcing
unfordable
unfordableness
unforded
unforeboded
unforeboding
unforecast
unforecasted
unforegone
unforeign
unforeknowable
unforgivingly
unforgivingness
unfogoable
unforgone
unforgot
unforgotten
unfork
unforked
unforkedness
unforlorn
uniform
unformal
unformalised
unformalistic
unformality
unformalized
unformally
unformalness
unformative
unformatted
unformed
unformidable
unformidableness
unformidably
unformulable
unformularizable
unformularize
unformulated
unformulistic
unforsaken
unforsaking
unforseen
unforsook
unforsworn
unforthright
unfortifiable
unfortified
unfortify
unfortuitous
unfortuitously
unfortuitousness
unfortunate
unfortunately
unfortunateness
unfortunates
unfortune
unforward
unforwarded
unforwardly
unfossiliferous
unfossilised
unfossilized
unfostered
unfostering
unfought
unfoughten
unfoul
unfoulable
unfouled
unfouling
unfoolly
unfound
unfounded
unfoundedly
unfoundedness
unfoundeder
unfounndering
unfountained
unfowllike
unfoxed
unfoxy
unfractious
unfractiously
unfractiousness
unfractured
unfragile
unfragmented
unfragrance
unfragrant
unfragrantly
unfraid
unframable
unframableness
unframably
unframe
unframeable
unframed
unfranchised
unfrangible
unfrank
unfrankable
unfranked
unfrankly
unfrankness
unfraternal
unfraternally
unfraternised
unfraternized
unfraternizing
unfraudulent
unfraudulently
unfraught
unfrayed
unfrazzled
unfreakish
unfreakishly
unfreakishness
unfreckled
unfree
unfreed
unfreedom
unfreehold
unfreeing
unfreeingly
unfreely
unfreeman
unfreeness
unfrees
unfreezable
unfreeze
unfreezes
unfreezing
unfreight
unfreighted
unfreighting
unfrenchified
unfrenzied
unfrequency
unfrequent
unfrequentable
unfrequentative
unfrequented
unfrequentedness
unfrequently
unfrequentness
unfret
unfretful
unfretfully
unfretted
unfretting
unfretty
unfriable
unfriableness
unfriarlike
unfricative
unfrictional
unfrictionally
unfrictioned
unfried
unfriend
unfriended
unfriendedness
unfriending
unfriendlier
unfriendliest
unfriendlike
unfriendily
unfriendliness
unfriendly
unfriendship
unfrighted
unfrightenable
unfrightened
unfrightenedness
unfrightening
unfrightful
unfrigid
unfrigidity
unfrigidly
unfrigidness
unfrill
unfrilled
unfrilly
unfringe
unfringed
unfringing
unfrisking
unfrisky
unfrittered
unfrivolous
unfrivolously
unfrivolousness
unfrizz
unfrizzled
unfrizzly
unfrizzy
unfrock
unfrocked
unfrocking
unfrocks
unfroglike
unfrolicsome
unfronted
unfrost
unfrosted
unfrosty
unfrothed
unfrothing
unfronced
unfroward
unfrowardly
unfrowning
unfroze
unfrozen
unfructed
unfructified
unfructify
unfructuous
unfructuously
unfrugal
unfrugality
unfrugally
unfrugalness
unfruitful
unfruitfully
unfruitfulness
unfruity
unfrustrable
unfrustrably
unfrustratable
unfrustrated
unfrutuosity
unfuddled
unfaged
unfueled
unfuelled
unfugal
unfugally
unfugitive
unfugitively
unfulfil
unfulfill
unfulfillable
unfulfilled
unfulfilling
unfulfillment
unfulfilment
unfulgent
unfulgently
unfull
unfulled
unfully
unfulminant
unfulminated
unfulminating
unfulsome
unfumbled
unfumbling
unfumed
unfumigated
unfuming
unfunctional
unfunctionally
unfunctioning
unfundable
unfundamental
unfundamentally
unfunded
unfunereal
unfunereally
unfungible
unfunnily
unfunniness
unfunny
unfur
unfurbelewed
unfurbelewed
unfurished
unfurcated
unfurcated
unfurcious
unfurled
unfurleable
unfurled
unfurling
unfurled
unfurnish
unfurnished
unfurnished
unfurnishedness
unfurnitured
unfurried
unfurrow
unfurrowable
unfurrowed
unfurthensome
unfused
unfusibility
unfusible
unfusibleness
unfusibly
unfusibness
unfussed
unfussily
unfussiness
unfussing
unfussy
unfutile
unfuturistic
ung
ungabled
ungag
ungaged
ungagged
ungagging
ungain
ungainable
ungained
ungainful
ungainfully
ungainfulness
ungaining
ungainlier
ungainliest
ungainlike
ungainliness
ungainly
ungainness
ungainsaid
ungainsayable
ungainsayably
ungainsaying
ungainsome
ungainsomely
ungaite
ungaited
ungallant
ungallantly
ungallantness
ungalled
ungalleried
ungalling
ungalloping
ungalvanized
ungambled
ungambling
ungamboled
ungamboling
ungambolled
ungambolling
ungametlike
ungamy
unganged
ungangrened
ungangrenous
ungaping
ungaraged
ungared
ungarbled
ungardened
ungarled
ungarland
ungarlanded
ungarment
ungarmered
ungarnished
ungarnish
ungarnished
ungaro
ungarrisoned
ungarrulous
ungarrulously
ungarrulousness
ungarter
ungartered
ungashed
ungassed
ungastric
ungated
ungathered
ungaudily
ungaudiness
ungaudy
ungauged
ungauntlet
ungauntleted
ungazetted
ungazing
ungear
ungeared
ungeared
ungelatinizable
ungelatinized
ungelatinous
ungelatinously
ungelatinousness
ungelded
ungelt
ungeminated
ungendered
ungenerable
ungeneral
ungenerated
ungeneralized
ungeneralising
ungeneralized
ungeneralizing
ungenerate
ungenerated
ungenerating
ungenerative
ungeneric
ungenerical
ungenerically
ungenerosity
ungenerous
ungenerously
ungenerousness
ungenial
ungeniality
ungenially
ungenialness
ungenitive
ungenitured
ungenius
ungeneteel
ungeneteelly
ungeneteelness
ungeneteely
ungentile
ungentility
ungentilize
ungentle
ungenoted
ungentleman
ungentlemanize
ungentlemanlike
ungentlemanlikeness
ungentlemanliness
ungentlemanly
ungentleness
ungentlewomanlike
ungently
ungenuine
ungenually
ungenuineness
ungeodetic
ungeodetical
ungeodetically
ungeographic
ungeographical
ungeographically
ungeological
ungeologically
ungeometric
ungeometrical
ungeometrically
ungeometricalness
ungermane
ungerminant
ungerminated
ungerminating
ungerminative
ungermlike
ungerontic
ungesticular
ungesticulating
ungesticulative
ungesticulatory
ungesting
ungestural
ungesturing
unget
ungetable
ungetatable
ungettable
ungeuntarium
ungeuntary
unghostlike
unghostly
ungiant
ungibbet
ungiddy
ungift
ungifted
ungiftedness
ungild
ungilded
ungill
ungilled
ungilt
unginged
unginned
ungird
ungnawn
ungnostic
ungoaded
ungoatlike
ungod
ungoddess
ungodlier
ungodliest
ungodlike
ungodlily
ungodliness
ungodly
ungodmothered
ungoggled
ungoitered
ungold
ungolden
ungone
ungood
ungoodliness
ungoodly
ungoodness
ungored
ungorge
ungorged
ungorgeous
ungospel
ungospelized
ungospelled
ungospellike
ungossiping
ungossipy
ungot
ungothic
ungotten
ungouged
ungouty
ungovernability
ungovernable
ungovernableness
ungovernably
ungoverned
ungovernedness
ungoverning
ungovernmental
ungovernmentally
ungown
ungowned
ungrabbing
ungrace
ungraced
ungraceful
ungracefully
ungracefulness
ungracious
ungraciously
ungraciousness
ungradated
ungradating
ungraded
ungradal
ungradually
ungraduated
ungraduating
ungraft
ungrafted
ungrain
ungrainable
ungrained
ungrammar
ungrammared
ungrammatic
ungrammatical
ungrammaticality
ungrammatically
ungrammaticalness
ungrammaticism
ungrand
ungrantable
ungranted
ungranular
ungranulated
ungraphable
ungraphic
ungraphical
ungraphically
ungraphitized
ungrapple
ungrappled
ungrapper
ungrappling
ungrasp
ungraspable
ungrasped
ungrasping
ungrassed
ungrassy
ungrated
ungrateful
ungratefully
ungratefulness
ungratifiable
ungratification
ungratified
ungratifying
ungratifyingly
ungrating
ungratitude
ungratuitous
ungratuitously
ungratuitousness
ungrave
ungraved
ungraveled
ungravelled
ungravelly
ungravely
ungraven
ungravitating
ungravitational
ungravitative
ungrayed
ungrazed
ungreased
ungreasy
ungreat
ungreatly
ungreatness
ungreeable
ungreedy
ungreen
ungreenable
ungreened
ungreeted
ungregarious
ungregariously
ungregariousness
ungreyed
ungrid
ungrieve
ungrieved
ungrieving
ungrilled
ungrimed
ungrindable
ungrinned
ungrip
ungripe
ungipped
ungripping
ungritty
ungrizzled
ungroaning
ungroined
ungroomed
ungrooved
ungropeable
ungross
ungrotesque
unground
ungroundable
ungroundably
ungrounded
ungroundedly
ungroundedness
ungroupable
ungrouped
ungroveling
ungrovelling
ungrow
ungrowing
ungrowling
ungrown
ungrubbed
ungrudged
ungrudging
ungrudgingly
ungrudgingness
unguesome
ungruff
ungrumbling
ungrumblingly
ungrumpy
ungt
ungual
unguals
unguaranteed
unguard
unguardable
unguarded
unguardedly
unguardedness
unguarding
unguards
ungucal
unguent
unguenta
unguentaria
unguentarian
unguentarium
unguentary
unguentiferous
unguento
unguentous
unguents
unguentum
unguerdoned
ungues
unguessable
unguessableness
unguesed
unguessing
unguical
unguicorn
unguicular
unguiculate
unguiculated
unguicule
unguidable
unguidableness
unguidably
unguided
unguidedly
unguiferous
unguiform
unguiled
unguileful
unguilefully
unguilefulness
unguillotined
unguility
unguiltiness
unguiltless
unguilty
unguinal
unguinous
unguirostral
unguis
ungula
ungulae
ungular
ungulata
ungulate
ungulated
ungulates
unguled
unguligrade
ungulite
ungull
ungullibility
ungullible
ungulous
ungulp
ungum
ungummed
ungushing
ungustatory
ungutted
unguttural
ungutturally
ungutturalness
unguyed
unguzzled
ungymnastic
ungypsylike
ungyrating
ungyve
ungyved
unhabile
unhabit
unhabitability
unhabitable
unhabitableness
unhabitably
unhabited
unhabitual
unhabitually
unhabituate
unhabituated
unhabituatedness
unhacked
unhackled
unhackneyed
unhackneyedness
unhad
unhaft
unhafted
unhaggled
unhaggling
unhailable
unhailed
unhair
unhaired
unhairer
unhairily
unhairiness
unhairing
unhairs
unhairy
unhale
unhallooaed
unhallow
unhallowed
unhallowedness
unhallowing
unhallows
unhallucinated
unhallucinating
unhallucinatory
unhaloed
unhalse
unhalted
unhalter
unhaltered
unhaltering
unhalting
unhaltingly
unhalved
unhammered
unhamper
unhampered
unhampering
unhand
unhandcuff
unhandcuffed
unhanded
unhandicapped
unhandier
unhandiest
unhandily
unhandiness
unhanding
unhandled
unhands
unhandseled
unhandselled
unhandsome
unhandsomely
unhandsomeness
unhandy
unhang
unhanged
unhanging
unhangs
unhanked
unhap
unhappen
unhappi
unhappier
unhappiest
unhappily
unhappiness
unhappy
unharangued
unharassed
unharbor
unharbored
unharbour
unharboured
unhard
unharden
unhardenable
unhardened
unhardihood
unhardily
unhardiness
unhardness
unhardy
unharked
unharmable
unharmed
unharmful
unharmfully
unharming
unharmonic
unharmonical
unharmonically
unharmonious
unharmoniously
unharmoniousness
unharmonise
unharmonised
unharmonising
unharmonize
unharmonized
unharmonizing
unharmony
unharness
unharnessed
unharnesses
unharnessing
unharped
unharping
unharried
unharrowed
unharsh
unharshly
unharshness
unharvested
unhashed
unhasp
unhasped
unhaste
unhasted
unhastened
unhastily
unhastiness
unhasting
unhasty
unhat
unhatchability
unhatchable
unhatched
unhatched
unhate
unhated
unhateful
unhating
unhatingly
unhats
unhatted
unhatting
unhauled
unhaunt
unhaunted
unhave
unhawked
unhayed
unhazarded
unhazarding
unhazardous
unhazardously
unhazardousness
unhazed
unhazily
unhaziness
unhazy
unhead
unheaded
unheader
unheady
unheal
unhealable
unhealableness
unhealably
unhealed
unhealing
unhealth
unhealthful
unhealthfully
unhealthfulness
unhealthier
unhealthiest
unhealthily
unhealthiness
unheathsome
unheathsomeness
unhealthy
unheaped
unhearable
unheard
unhearing
unhearse
unhearsed
unheart
unhearten
unheartiily
unheartsome
unheartsome
unhearty
unheatable
unheated
unheathen
unheaved
unheaven
unheavenly
unheavily
unheaviness
unheavy
unhectic
unhectically
unheretical
unheritable
unhermetic
unhermitic
unhermitical
unhermitically
unhero
unheroic
unheroical
unheroically
unheroicalness
unheroicness
unheroism
unheroize
unherolike
unhesitant
unhesitantly
unhesitating
unhesitatingly
unhesitatingness
unhesitative
unhesitatively
unheuristic
unheuristically
unhewable
unhewed
unhewn
unhex
unhid
unhidable
unhidableness
unhidably
unhidated
unhidden
unhide
unhideable
unhideably
unhidebound
unhideboundness
unhideous
unhideously
unhideousness
unhieratic
unhieratical
unhieratically
unhigh
unhilarious
unhilariously
unhilariousness
unhilly
unhinderable
unhinderably
unhindered
unhinderer
unhinderingly
unhinge
unhinged
unhingement
unhinges
unhinging
unhinted
unhip
unhitched
unhired
unhissed
unhistoric
unhistorical
unhistorically
unhistoried
unhistory
unhistrionic
unhit
unhitch
unhitched
unhitches
unhitching
unhittable
unhive
unhoard
unhoarded
unhoarding
unhoary
unhoaxability
unhoaxable
unhoaxed
unhobble
unhobbling
unhocked
unhoed
unhogged
unhoist
unhoisted
unhold
unholiday
unholier
unholiest
unholily
unholiness
unhollow
unhollowed
unholpen
unholy
unhome
unhomelike
unhomelikeness
unhomeliness
unhomely
unhomicidal
unhomiciletic
unhomiciletica
unhomiciletically
unhomish
unhomogeneity
unhomogeneous
unhomogeneously
unhomogeneousness
unhomogenized
unhomologic
unhomological
unhomologically
unhomologized
unhomologous
unhoned
unhonest
unhonestly
unhonesty
unhoneyed
unhonied
unhonorable
unhonorably
unhonored
unhonourable
unhonourably
unhonoured
unhood
unhooded
unhooding
unhoods
unhoodwink
unhoodwinked
unhoofed
unhook
unhooked
unhooking
unhooks
unhoop
unhoopable
unhooped
unhooper
unhooted
unhoped
unhoped
unhopedly
unhopedness
unhopeful
unhopefully
unhopefulness
unhoping
unhopingly
unhopped
unhoppedly
unhorizoned
unhorizontal
unhorizontally
unhorned
unhorny
unhoroscopic
unhorrified
unhorse
unhorsed
unhorses
unhorsing
unhortative
unhortatively
unhose
unhosed
unhospitable
unhospitalized
unhostile
unhostilely
unhostileness
unhostility
unhot
unhounded
unhoundlike
unhouse
unhoused
unhousecled
unhouselike
unhouses
unhousewifely
unhousing
unhubristic
unhuddle
unhuddled
unhuddling
 unhued
unhugged
 unhull
unhulled
unhuman
unhumanely
unhumaneness
unhumanise
unhumanised
unhumanising
unhumanistic
unhumanitarian
unhumanize
unhumanized
unhumanizing
unhumanly
unhumanness
 unhumble
unhumbled
 unhumbleness
unhumbedness
unhumbleness
unhumbly
unhumbugged
unhumid
unhumidified
unhumidifying
unhumiliated
unhumiliating
unhumiliatingly
unhumored
unhumorous
unhumorously
unhumorousness
unhumoured
unhumourous
unhumourously
 unhung
unhuntable
unhunted
unhurled
unhurled
unhurried
unhurriedly
unhurriedness
unhurrying
unhurryingly
unhurt
unhurted
unhurtful
unhurtfully
unhurtfulness
unhurting
unhusbanded
unhusbandedly
unhushable
unhushed
unhushing
unhusk
unhuskable
unhusked
unhusking
unhusks
unhustled
unhustling
unhutched
unhuzaed
unhydrated
unhydraulic
unhydrolized
unhydrolyzed
unhygenic
unhygienic
unhygienically
unhygrometric
unhymeneal
unhymned
unhyphenable
unhyphenated
unhyphened
unhypnotic
unhypnotically
unhypnotisable
unhypnotise
unhypnotised
unhypnotising
unhypnotizable
unhypnotize
unhypnotized
unhypnotizing
unhypocritical
unhypocritically
unhypothecated
unhypothetical
unhypothetically
unhysterical
unhysterically
uni
unialgal
uniambic
uniambically
uniangulate
uniarticular
uniarticulate
uniat
uniate
uniatism
uniauriculate
uniauricular
uniauriculated
uniaxal
uniaxally
uniaxial
uniaxially
unibasal
unibivalent
unible
unibracteate
unibracteolate
unibranchiate
unicalcarate
unicameral
unicameralism
unicameralist
unicamerally
unicamerate
unicapsular
unicarinate
unicarinated
unice
uniced
unicef
unicell
unicellate
unicelled
unicellular
unicellularity
unicentral
unichord
uniciliate
unicing
unicism
unicist
unicity
uniclnal
unicolor
unicolorate
unicolored
unicolorous
unicolour
uniconoclastic
uniconoclastically
uniconstant
unicorn
unicorn's
unicorneal
unicornic
unicornlike
unicornous
unicorns
unicornuted
unicostate
unicotyledonous
unicum
unicursal
unicursality
unicursally
unicuspid
unicuspidate
unicycle
unicycles
unicyclist
unidactyl
unidactyle
unidactylous
unidea’d
unideaed
unideal
unidealised
unidealism
unidealist
unidealistic
unidealistically
unidealized
unideated
unideating
unideational
unidentate
unidentated
unidentical
unidentically
unidenticulate
unidentifiable
unidentifiableness
unidentifiably
unidentified
unidentifiedly
unidentifying
unideographic
unideographical
unideographically
unidextral
unidextrality
unidigitate
unidimensional
unidiomatic
unidiomatically
unidirect
unidirected
unidirection
unidirectional
unidirectionality
unidirectionally
unidle
unidleness
unidling
unidly
unidolatrous
unidolised
unidorized
unidyllic
une
uniembryonate
uniequivalent
uniface
unifaced
unifaces
unifacial
unifactoral
unifactorial
unifarious
unifiable
unific
unification
unificationist
unifications
unificator
unified
unifiedly
unifiedness
unifier
unifiers
unifies
unifilar
uniflagellate
uniflora
uniflorate
uniflorous
uniflow
uniflowered
unifocal
unifoliar
unifoliate
unifoliolate
uniform
uniformal
uniformalization
uniformalize
uniformally
uniformation
uniformed
uniformer
uniformest
uniforming
uniformisation
uniformise
uniformised
uniformising
uniformist
uniformitarian
uniformitarianism
uniformities
uniformity
uniformization
uniformize
uniformized
uniformizing
uniformless
uniformly
uniformness
uniforms
unify
unifying
unigenesis
unigenetic
unigenist
unigenistic
unigenital
unigeniture
unigenous
uniglandular
uniglobular
unignitable
unigneded
unignitible
unigniting
unignominious
unignominiously
unignominiousness
unignorant
unignorantly
unignore
unignoring
unigravida
uniguttulate
unijugate
unijugous
unilabiate
unilabiated
unilamellar
unilamellate
unilaminar
unilaminate
unilateral
unilateralism
unilateralist
unilaterality
unilateralization
unilateralize
unilaterally
unilinear
unilingual
unilingualism
uniliteral
unilluded
unilludedly
unillumed
unilluminant
unilluminated
unilluminating
unillumination
unilluminative
unillumined
unillusioned
unillusive
unillusory
unillustrated
unillustrative
unillusory
unillustriously
unillusorioussness
unilobal
unilobar
unilobate
unilobe
unilobed
unilobular
unilocular
unilocularity
uniloculate
unimacular
unimagined
unimaginability
unimaginable
unimaginableness
unimaginably
unimaginary
unimaginative
unimaginatively
unimaginativeness
unimagine
unimagined
unimanual
unimbanked
unimbellished
unimbazzled
unimbibed
unimbibing
unimbittered
unimbodied
unimboldened
unimbordered
unimbosomed
unimbowed
unimbowered
unimbroided
unimbrowned
unimbrued
unimbued
unimedial
unimitable
unimitableness
unimitably
unimitated
unimitating
unimitative
unimmaculate
unimmaculately
unimmaculateness
unimmanent
unimmanently
unimmediate
unimmediately
unimmediateness
unimmerged
unimmergible
unimmersed
unimmigrating
unimminent
unimmolated
unimmortal
unimmortalize
unimmortalized
unimmovable
unimmunised
unimmunized
unimmured
unimodal
unimodality
unimodular
unimolecular
unimolecularity
unimpacted
unimper
unimpairable
unimpaired
unimpartable
unimparted
unimpartial
un impartially
unimpartible
unimpassionate
unimpassionately
unimpassioned
unimpassionedly
unimpassionedness
unimpatient
unimpatiently
unimpawned
unimpeachability
unimpeachable
unimpeachableness
unimpeachably
unimpeached
unimpearled
unimped
unimpeded
unimpededly
unimpedible
unimpeding
unimpendingly
unimpedness
unimpelled
unimpenetrable
unimperative
unimperatively
unimperial
unimperialistic
unimperially
unimperious
unimperiously
unimpertinent
unimpertinently
unimpinging
unimplanted
unimplemented
unimplicable
unimplicate
unimplicated
unimplicit
unimplicitly
unimplied
unimplorable
unimplored
unimpoisoned
unimportance
unimportant
unimportantly
unimportantness
unimported
unimporting
unimportune
unimportuned
unimposed
unimposedly
unimposing
unimpostrous
unimpounded
unimpovertised
unimpowerd
unimprecatd
unimpregnable
unimpregnate
unimpregnated
unimpressed
unimpressibility
unimpressible
unimpressibleness
unimpressibly
unimpressionability
unimpressionable
unimpressionableness
unimpressive
unimpressively
unimpressiveness
unimprinted
unimprison
unimprisonable
unimprisoned
unimpropriated
unimprovable
unimprovableness
unimprovably
unimproved
unimprovedly
unimprovedness
unimprovement
unimproving
unimprovised
unimpugnable
unimpugned
unimpulsive
unimpulsively
unimpurpled
unimputable
unimputed
unimucronate
unimultiplex
unimuscular
uninaugurated
unincantoned
unincarcerated
unincarnate
unincarnated
unincensed
uninceptive
uninceptively
unincestuous
unincestuously
uninchoative
unincidental
unincidentally
unincinerated
unincised
unincisive
unincisively
unincisiveness
unincited
unincliable
uninclined
uninclining
uninclosed
uninclosedness
unincludable
unincluded
unincludible
uninclusive
uninclusiveness
uninconvenienced
unincorporate
unincorporated
unincorporatedly
unincorporatedness
unincreasable
unincreased
unincreasing
unincriminated
unincriminating
unincubated
uninculcated
unincumbered
unindebted
unindebtedly
unindebtedness
unindemnified
unindentable
unindentented
unindentured
unindexed
unindicable
unindicated
unindicative
unindicatively
unindictable
unindictableness
unindicted
unindifference
unindifferency
unindifferent
unindifferently
unindigenous
unindigenously
unindigent
unindignant
unindividual
unindividualize
unindividualized
unindividuated
unindoctrinated
unindorsed
uninduced
uninducible
uninducted
uninductive
unindulged
unindulgent
unindulgently
unindulging
unindurate
unindurated
unindurative
unindustrial
unindustrialized
unindustrious
unindustriously
unindwellable
uninebriate
uninebriated
uninebriatedness
uninebriating
uninebrious
uninert
uninertly
uninervate
uninerved
uninfallibility
unfallible
unfatuated
uninfectable
uninfected
uninfectious
uninfectiously
uninfectiousness
uninfective
uninfeft
uninferable
uninferably
uninferential
uninferentially
uninferrable
uninferrably
uninferred
uninferrible
uninferredly
uninfested
uninfiltrated
uninfinite
uninfinitely
uninfiniteness
uninfixed
uninflamed
uninflammability
uninflammable
uninflated
uninflected
uninflectedness
uninflective
uninflicted
uninfluenceability
uninfluenceable
uninfluenced
uninfluencing
uninfluencive
uninfluential
uninfluentiality
uninfluentially
uninfolded
uninformative
uninformatively
uninformed
uninforming
uninfracted
uninfringeable
uninfringed
uninfringible
uninfuriated
uninfused
uninfusing
uninfusive
ungenious
ungeniously
ungeniousness
ungenuity
ungenuous
ungenuously
ungenuousness
ungested
ungestive
ungrafted
ungrained
ungratiating
uninhabitability
uninhabitable
uninhabitableness
uninhabitably
uninhabited
uninhabitedness
uninhaled
uninherent
uninherently
uninheritability
uninheritable
uninherited
uninhibited
uninhibitedly
uninhibitedness
uninhibiting
uninhibitive
uninhumed
uninimical
uninimically
uniniquitous
uniniquitously
uniniquitousness
uninitialed
uninitialized
uninitialled
uninitiate
uninitiated
uninitiatedness
uninitiation
uninitiative
uninjectable
uninjected
uninjurable
uninjured
uninjuredness
uninjuring
uninjurious
uninjuriously
uninjuriousness
uninked
uninlaid
uninnate
uninnately
uninnateness
uninnocence
uninnocent
uninnocently
uninnocuous
uninnocuously
uninnocuousness
uninnovating
uninnovative
uninoculable
uninoculated
uninoculative
uninodal
uninominal
uninquired
uninquiring
uninquistive
uninquistively
uninquistiveness
uninquisitorial
uninquisitorially
uninsane
uninsatiable
uninscribed
uninserted
uninshrined
uninsidious
uninsidiously
uninsidiousness
uninsightful
uninsinuated
uninsinuating
uninsinuative
uninsistent
uninsistently
uninsolated
uninsolating
uninsolvent
uninspected
uninspirable
uninspired
uninspiring
uninspiringly
uninspired
uninspissated
uninstalled
uninstance
uninstated
uninstigated
uninstigative
uninstilled
uninstinctive
uninstinctively
uninstinctiveness
uninstituted
uninstitutional
uninstitutionally
uninstitutive
uninitiatively
uninstructed
uninstructedly
uninstructedness
uninstructible
uninstructing
uninstructive
uninstructively
uninstructiveness
uninstrumental
uninstrumentally
uninsular
uninsulate
uninsulated
uninsulating
uninsuitable
uninsulted
uninsulting
uninsurability
uninsurable
uninsured
unintegrable
unintegral
unintegra
unintegrated
unintegrative
unintellective
unintellectual
unintellectualism
unintellectuality
unintelligence
unintelligent
unintelligently
unintelligentsia
unintelligibility
unintelligible
unintelligibleness
unintelligibly
unintended
unintendedly
unintensified
unintensive
unintensively
unintent
unintentional
unintentionality
unintentionally
unintentionalness
unintentiveness
unintently
unintentness
unintercalated
unintercepted
unintercepting
uninterchangeable
uninterdicted
uninterested
uninterestedly
uninterestedness
uninteresting
uninterestingly
uninterestingness
uninterferedwith
uninterjected
uninterlaced
uninterlarded
uninterleave
uninterleaved
uninterlined
uninterlinked
uninterlocked
unintermarrying
unintermediate
unintermediately
unintermediateness
unintermingled
unintermission
unintermissive
unintermitted
unintermittedly
unintermittedness
unintermittent
unintermittently
unintermitting
unintermittingly
unintermittingness
unintermixed
uninternalized
uninternational
uninterpleaded
uninterpolated
uninterpolative
uninterposed
uninterposing
uninterpretability
uninterpretable
uninterpretative
uninterpreted
uninterpretive
uninterpretively
uninterred
uninterrogable
uninterrogated
uninterrogative
uninterrogatively
uninterrogatory
uninterruptable
uninterrupted
uninterruptedly
uninterruptedness
uninterruptible
uninterruptibleness
uninterrupting
uninterruption
uninterruptive
unintersected
unintersecting
uninterspersed
unintervening
unintuitively
unintwined
uninuclear
uninucleate
uninucleated
uninundated
uninured
uninurned
uninvadable
uninvaded
uninvaginated
uninvalidated
uninvasive
uninvective
uninveighing
uninveigled
uninvented
uninventful
uninventibleness
uninventive
uninventively
uninventiveness
uninverted
uninvertible
uninvestable
uninvested
uninvestigable
uninvestigated
uninvestigating
uninvestigative
uninvestigatory
uninvidious
uninvidiously
uninvigorated
uninvigorating
uninvigorating
uninvigorative
uninvigoratively
uninvincible
uninvincibleness
uninvincibly
uninvite
uninvited
uninvitedly
uninviting
uninvitingly
uninvitingness
uninvocative
uninvoiced
uninvokable
uninvoked
uninvoluted
uninvolved
uninvolvement
uninweaved
uninwoven
uninwrapped
uninwreathed
unio
uniocular
unioid
union
union's
unioned
unionic
unionid
unioniform
unionisation
unionise
unionised
unionises
unionising
unionism
unionisms
unionist
unionistic
unionists
unionization
unionize
unionized
unionizer
unionizers
unionizes
unionizing
unionoid
unions
unioval
uniovular
uniovulate
unipara
uniparental
uniparentally
uniparentent
uniparous
unipart
unipartite
uniped
unipeltate
uniperiodic
unipersonal
unipersonalist
unipersonality
unipetalous
uniphase
uniphaser
uniphonous
uniplanar
uniplex
uniplicate
unipod
unipods
unipolar
unipolarity
uniporous
unipotence
unipotent
unipotential
uniprocessor
uniprocessorunix
unipulse
uniquantic
unique
uniquely
uniqueness
uniquer
uniques
unquest
uniquity
uniradial
uniradiate
uniradiated
uniradical
uniramose
uniramous
unirascibility
unirascible
unireme
unirenic
unirhyme
uniridescent
uniridescently
unironed
unironical
unironically
unirradiated
unirradiative
unirrigable
unirrigated
unirritable
unirritableness
unirritably
unirritant
unirritated
unirritatedly
unirritating
unirritative
unirrupted
unirruptive
unisepalous
unisepate
uniserial
uniserially
uniseriate
uniseriately
uniserrate
uniserrulate
unisex
unisexed
unisexes
unisexual
unisexualty
unisexually
unisiliate
unism
unisoil
unisolable
unisolate
unisolated
unisolating
unisolationist
unisolative
unisomeric
unisometrical
unisomorphic
unison
unisonal
unisonally
unisonance
unisonant
unisonous
unisons
unisotropic
unisotropous
unisparker
unispiculate
unispinose
unispiral
unissuable
unissuant
unissued
unist
unistylist
unisulcate
unit
unit's
unitable
unitage
unitages
unital
unitalicized
unitarian
unitarianism
unitarians
unitarily
unitariness
unitarism
unitarist
unitary
unite
uniteability
uniteable
uniteably
united
unitedly
unitedness
unitemized
unitentacular
uniter
uniterated
uniterative
uniters
unities
unitinerant
uniting
unitingly
unition
unition
unitism
unitistic
unitive
unitively
universalizes
universalizing
universally
universalness
universals
universanimous
universe
universe's
universeful
universes
universitarian
universitarianism
universitary
universitas
universitatis
universite
universities
universitize
university
university's
universityless
universitylike
universityship
universological
universologist
universology
univied
univocability
univocacy
univocal
univocality
univocalized
univocally
univocals
univocity
univoltine
univorous
uniwear
unix
unjacketed
unjaded
unjagged
unjailed
unjam
unjammed
unjamming
unjapanned
unjarred
unjarring
unjaundiced
unjaunty
unjealous
unjealoused
unjealously
unjeered
unjeering
unjelled
unjelled
unjeopardised
unjeopardized
unjesting
unjestingly
unjesuited
unjesuited
unjesuitically
unjewel
unjeweled
unjewelled
unjilted
unjocose
unjocosely
unjocoseness
unjocund
unjogged
unjogging
unjoin
unjoinable
unjoined
unjoint
unjointed
unjointedly
unjointedly
unjogged
unjogging
unjointing
unjointing
unjointed
unjointed
unjointed
unjointed
unjointed
unjointed
unjointedness
unjointedness
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
unjournali
un
unjoyous
unjoyously
unjoyousness
unjubilant
unjubilantly
unjudgable
unjudge
unjudgeable
unjudged
unjudgelike
unjudging
unjudicable
unjudicative
unjudiciable
unjudicial
unjudicially
unjudicious
unjudiciously
unjudiciousness
unjugged
unjuiced
unjuicily
unjuicy
unjumbled
unjumpable
unjuridic
unjuridical
unjuridically
unjust
unjustice
unjusticiable
unjustifiability
unjustifiable
unjustifiableness
unjustifiably
unjustification
unjustified
unjustifiedly
unjustifiedness
unjustify
unjustled
unjustly
unjustness
unjuvenile
unjuvenilely
unjuvenileliness
unkaiserlike
unkamed
unked
unkeeled
unkembed
unkempt
unkemptly
unkemptness
unken
unkend
unkenned
unkennedness
unkennel
unkenneled
unkenneling
unkennelled
unkennelling
unkennels
unkening
unkensome
unkent
unkept
unkerchiefed
unket
unkey
unkeyed
unkicked
unkid
unkidnapped
unkidnapped
unkill
unkillability
unkillable
unkilled
unkilling
unkilned
unkin
unkind
unkinder
unkindest
unkindhearted
unkindled
unkindledness
unkindlier
unkindliest
unkindlily
unkindliness
unkindling
unkindly
unkindness
unknownness
unknowns
unknownst
unkodaked
unkosher
unkoshered
un
unlabeled
unlabelled
unlabialise
unlabialised
unlabialising
unlabialize
unlabialized
unlabializing
unlabiate
unlaborable
unlabored
unlaboring
unlaborious
unlaborously
unlaboriousness
unlaboured
unlabouring
unlace
unlaced
unlacerated
unlacerating
unlaces
unlacing
unlackeyed
unlaconic
unlacquered
unlade
unladen
unlades
unlanding
unladled
unladyfied
unladylike
unlagging
unlaid
unlame
unlamed
unlamentable
unlamented
unlaminated
unlampooned
unlanced
unland
unlanded
unlandmarked
unlanguaged
unlanguid
unlanguidly
unlanguidness
unlanguishing
unlanpered
unlap
unlapped
unlapsed
unlapsing
unlarcenous
unlarcenously
unlarded
unlarge
unlash
unlashed
unlasher
unlashes
unlashing
unlassoed
unlasting
unlatch
unlatched
unlatches
unlatching
unlath
unlathed
unlathered
unlatinized
unlatticed
unlaudable
unlaudableness
unlaudably
unlaudative
unlaudatory
unlauded
unlaugh
unlaughing
unlaunched
unlaundered
unlaureled
unlaurelled
unlaved
unlaving
unlavish
unlavished
unlaw
unlawed
unlawful
unlawfully
unlawfulness
unlawlearned
unlawlike
unlawly
unlawyered
unlawyerlike
un lax
un lay
unlayable
unlaying
unlays
unleached
unlead
unleaded
unleaderly
unleading
unleads
un leaf
unleafed
unleaflike
unleagued
unleaguer
unleakable
un leaky
unleal
unlean
unleared
unlearn
unlearnability
unlearnable
unlearnableness
unlearned
unlearnedly
unlearnedness
unlearning
unlearns
unlearnt
unleasable
unleased
unleash
unleashed
unleashes
unleashing
unleathered
unleave
unleaved
unleavenable
unleavened
unlecherous
unlecherously
unlecherousness
unlectured
unled
unledgered
unleft
unlegacied
unlegal
unlegalised
unlegalized
unlegally
unlegalness
unlegate
unlegible
unlegislated
unlegislative
unlegislatively
unleisured
unleisuredness
unleisurely
unlengthened
unlenient
unleniently
unlensed
unlent
unless
unlessened
unlessoned
unlet
unlethal
unlethally
unlethargic
unlethargical
unlethargically
unlettable
unletted
unlettered
unletteredly
unletteredness
unlettering
unletterlike
unlevel
unleveled
unleveling
unlevelled
unlevelling
unlevelly
unlevelness
unlevels
unleviable
unlevied
unlevigated
unlexicographical
unlexicographically
unliability
unliable
unlibeled
unlibelled
unlibellous
unlibellously
unlibelous
unlibelously
unliberal
unliberalised
unliberalized
unliberally
unliberated
unlibidinous
unlibidinously
unlicensed
unlicentiated
unlicentious
unlicentiously
unlicentiousness
unlichen
unlickable
unlicked
unlid
unlidded
unlie
unlifelike
unliftable
unlifted
unlifting
unligable
unligatured
unlight
unlighted
unlightedly
unlightedness
unlightened
unlignified
unlikable
unlikableness
unlikably
unlike
unlikeable
unlikeableness
unlikeably
unliked
unliker
unlikeliest
unlikelihood
unlikeliness
unlikely
unliken
unlikened
unlikeness
unliking
unlimb
unlimber
unlimbered
unlimbering
unlimberness
unlimbers
unlime
unlimed
unlimitable
unlimitableness
unlimitably
unlimited
unlimitedly
unlimitedness
unlimitless
unlimned
unlimp
unline
unlineal
unlined
unlingering
unlink
unlinking
unlinks
unlionised
unlionized
unlionlike
unliquefiable
unliquefied
uniquescent
unliquid
unliquidatable
unliquidated
unliquidating
unliquidation
unliquored
unlisping
unlist
unlisted
unlistened
unlistening
unlisty
unlit
unliteral
unliteralised
unliteralized
unliterally
unliteralness
unliterary
unliterate
unlithographic
unlitigated
unlitigating
unlitigious
unlitigiously
unlitigiousness
unlitten
unlittered
unliturgical
unliturgize
unlivability
unlivable
unlivableness
unlivably
unlive
unliveable
unliveableness
unliveably
unlived
unliveliness
unlively
unliver
unliveried
unliveries
unlivery
unlives
unliving
unlizardlike
unload
unloaded
unloaden
unloaden
unloaders
unloading
unloads
unloafing
unloantly
unloan
unloaned
unloaning
unloath
unloathed
unloathful
unloathly
unloathness
unloathsome
unlobbed
unlobbying
unlobed
unlocal
unlocalisable
unlocalise
unlocalised
unlocalising
unlocalizable
unlocalize
unlocalized
unlocalizing
unlocally
unlocated
unlocative
unlock
unlockable
unlocked
unlocker
unlocking
unlocks
unlocomotive
unlodge
unlodged
unlofty
unlogged
unlogic
unlogical
unlogically
unlogicalness
unlogistic
unlogistical
unlonely
unlook
unlooked
unloop
unlooped
unloosable
unloosably
unloose
unloosed
unloosen
unloosened
unloosening
unloosens
unlooses
unloosing
unlooted
unlopped
unloquacious
unloquaciously
unloquaciousness
unlord
unlorded
unlordly
unlosable
unlosableness
unlost
unlotted
unloudly
unlouken
unloungen
unlousy
unlovable
unlovableness
unlovably
unlove
unloveable
unloveableness
unloveably
unloved
unlovelier
unloveliest
unlovelily
unloveliness
unlovely
unloverlike
unloverly
unlovesome
unloving
unlovingly
unlovingness
unlowered
unlowly
unloyal
unloyally
unloyalty
untraconservative
unlubricant
unlubricated
unlubricating
unlubricative
unlubricious
unlucent
unlucid
unlucidly
unlucidness
unluck
unluckful
unluckier
unluckiest
unluckily
unluckiness
unluckly
unlucky
unlucreative
unludicrous
unludicrously
unludicrousness
unluffed
unlugged
unlugubrious
unlugubriously
unlugubriousness
unlumbering
unluminescent
unluminiferous
unluminous
unluminously
unluminousness
unlumped
unlumpy
unlunar
unlunate
unlunated
unlured
unluring
unlush
unlust
unlustered
unlustful
unlustfully
unlustie
unlustier
unlustiest
unlustily
unlustiness
unlusting
unlustred
unlustrous
unlustrously
unlusty
unlute
unluted
unluxated
unluxuriant
unluxuriantly
unluxuriating
unluxurious
unluxuriously
unlycanthropize
unlying
unlyric
unlyrical
unlyrically
unlyricalness
unmacadamized
unmacerated
unmachinable
unmachined
unmachinating
unmachineable
unmackly
unmad
unmadded
unmaddened
unmade
unmagic
unmagical
unmagically
unmagisterial
unmagistrate
unmagistratelike
unmagnanimous
unmagnanimously
unmagnanimousness
unmagnetic
unmagnetical
unmagnetised
unmagnetized
unmagnified
unmagnify
unmagnifying
unmaid
unmaiden
unmaidenlike
unmaidenliness
unmaidenly
unmail
unmailable
unmailableness
unmailed
unmailable
unmaimed
unmaintainable
unmaintained
unmajestic
unmajestically
unmakable
unmake
unmaker
unmakers
unmakes
unmaking
unmalarial
unmaledictive
unmaledictory
unmalevolent
unmalevolently
unmalicious
unmaliciously
unmalignant
unmalignantly
unaligned
unmalleability
unmalleable
unmalleableness
unmalled
unmaltable
unmalted
unmammalian
unmammamonized
unman
unmanacle
unmanacled
unmanacling
unmanageability
unmanageable
unmanageableness
unmanageably
unmanaged
unmancipated
unmandated
unmandatory
unmanducated
unmaned
unmaneged
unmaneuverable
unmaneuvered
unmanful
unmanfully
unmanfulness
unmangled
unmanhood
unmaniable
unmaniac
unmaniacal
unmaniacally
unmanicured
unmanifest
unmanifestative
unmanifested
unmanipulable
unmanipulatable
unmanipulated
unmanipulative
unmanipulatory
unmanlier
unmanliest
unmanlike
unmanlily
unmanliness
unmanly
unmannered
unmannered
unmanneredly
unmannerliness
unmannerly
unmanning
unmannish
unmannishly
unmannishness
unmanoeuvred
unmanored
unmans
unmantle
unmantled
unmanual
unmanually
unmanufacturable
unmanufactured
unmanumissible
unmanumitted
unmanurable
unmanured
unmappable
unmapped
unmarbelize
unmarbelized
unmarbelizing
unmarbled
unmarbleize
unmarbleized
unmarbleizing
unmarch
unmarching
unmarginal
unmarginally
unmarginated
unmarine
unmaritime
unmarkable
unmarked
unmarketable
unmarketed
unmarking
unmarled
unmarred
unmarriable
unmarriageability
unmarriageable
unmarried
unmarring
unmarry
unmarrying
unmarshaled
unmarshalled
unmartial
unmartyr
unmartyred
unmarveling
unmarvellous
unmarvellously
unmarvellousness
unmarvelous
unmarvelously
unmarvellousness
unmasculine
unmasculinely
unmashed
unmask
unmasked
unmasker
unmaskers
unmasking
unmasks
unmasquerade
unmassacred
unmassed
unmast
unmaster
unmasterable
unmastered
unmasterful
unmasterfully
unmasticable
unmasticated
unmasticatory
unmatchable
unmatchableness
unmatchably
unmatched
unmatchedness
unmatching
unmate
unmated
unmaterial
unmaterialised
unmaterialistic
unmaterialistically
unmaterialized
unmaterially
unmateriate
unmaternal
unmaternally
unmathematical
unmathematically
unmating
unmatriculated
unmatrimonial
unmatriomonially
unmatronlike
unmatted
unmaturative
unmature
unmatured
unmaturely
unmaturity
unmaturing
unmaudlin
unmaudlinly
unmauled
unmaze
unmeandering
unmeanderingly
unmeaning
unmeaningful
unmeaningfully
unmeaningfulness
unmeaningly
unmeaningness
unmeant
unmeasurability
unmeasurable
unmeasurableness
unmeasurably
unmeasured
unmeasuredly
unmeasuredness
unmeasurely
unmeated
unmechanic
unmechanical
unmechanically
unmechanised
unmechanistic
unmechanize
unmechanized
unmedaled
unmedalled
unmeddle
unmeddled
unmeddlesome
unmeddling
unmeddlingly
unmeddlingness
unmediaeval
unmediated
unmediating
unmediative
unmediatized
unmedicable
unmedical
unmedically
unmedicated
unmedicative
unmedicinal
unmedicinally
unmedieval
unmeditated
unmeditating
unmeditative
unmeditatively
unmediumistic
unmedullated
unmeedful
unmeedy
unmeek
unmeekly
unmeekness
unmeet
unmeetable
unmeetly
unmeetness
unmelancholic
unmelancholically
unmelancholy
unmeliorated
unmellifluent
unmellifluently
unmellifluous
unmellifluously
unmellow
unmellowed
unmelodic
unmelodically
unmelodious
unmelodiously
unmelodiousness
unmelodised
unmelodized
unmelodramatic
unmelodramatically
unnelt
unmelttable
unneltableness
unmeltably
unnelted
unneltedness
unmelting
unnember
unnemoired
unnmemorable
unnmemorably
unnmemorialised
unnmemorialized
unnmemoried
unnmemorized
unnmenaced
unnmenacing
unn mendable
unn mendability
unn mendableness
unn mendably
unn mendacious
unn mendaciously
unn mended
unn menial
unn menially
unn meneful
unn menstruating
unn mensurable
unn mental
unn mentally
unn mentholated
unn mentionability
unn mentionable
unn mentionableness
unn mentionables
unn mentionably
unn mentioned
unn mercantile
unn mercenarily
unn mercenariness
unmercenary
unmercerized
unmerchandised
unmerchantable
unmerchantlike
unmerchantly
unmerciable
unmerciably
unmercied
unmerciful
unmercifully
unmercifulness
unmerciless
unmercurial
unmercurially
unmercurialness
unmeretricious
unmeretriciously
unmeretriciousness
unmerge
unmerged
unmerging
unmeridional
unmeridionally
unmeringued
unmeritability
unmeritable
unmerited
unmeritedly
unmeritedness
unmeriting
unmeritorious
unmeritoriously
unmeritoriousness
unmerrily
unmerry
unmesh
unmesmeric
unmesmerically
unmesmerised
unmesmerize
unmesmerized
unmet
unmetaled
unmetalised
unmetalized
unmetalled
unmetallic
unmetallically
unmetallurgic
unmetallurgical
unmetallurgically
unmetamorphic
unmetamorphosed
unmetaphysic
unmetaphysical
unmetaphysically
unmete
unmeted
unmeteorologic
unmeteorological
unmeteorologically
unmetered
unmeth
unmethodic
unmethodical
unmethodically
unmethodicalness
unmethodised
unmethodising
unmethodized
unmethodizing
unmethylated
unmeticulous
unmeticulously
unmeticulousness
unmetred
unmetric
unmetrical
unmetrically
unmetricalness
unmetrified
unmetropolitan
unmettle
unmew
unmewed
unmewing
unmews
unmiasmal
unmiasmatic
unmiasmatical
unmiasmic
unmicaceous
unmicrobial
unmicrobic
unmicroscopic
unmicroscopically
unmidwifed
unnight
unnightly
unmigrant
unmigrating
unmigrative
unmigratory
unmild
unmildewed
unmildness
unmilitant
unmilitantly
unmilitarily
unmilitariness
unmilitarised
unmilitaristic
unmilitaristically
unmilitarized
unmilitary
unmilked
unmilled
unmillinered
unmilted
unnimeographed
unnemonic
unnematically
unnemicked
unninable
unninced
unnincing
unnind
unninded
unninded
unnindful
unnindfully
unnindfulness
unninding
unnined
unnineralised
unnineralized
unningle
unningleable
unningleled
unningles
unningleing
unninimised
unninimising
unminimized
unminimizing
unminished
unminister
unministered
unministerial
unministerially
unministrant
unministrative
unminted
unminuted
unmiracled
unmiraculous
unmiraculously
unmired
unmirrored
unmirthful
unmirthfully
unmirthfulness
unmiry
unmisanthropic
unmisanthropical
unmisanthropically
unmiscarrying
unmischievous
unmischievously
unmiscible
unmiscellaneous
unmiscarrying
unmischievous
unmischievously
unmiscible
unmisconceivable
unmiserly
unmisgiving
unmisgivingly
unmisguided
unmisguidedly
unmisinterpretable
unmisled
unmissable
unmissed
unmissionary
unmissionized
unmist
unmistakable
unmistakableness
unmistakably
unmistakedly
unmistaken
unmistaking
unmistakingly
unmistressed
unmistrusted
unmistrustful
unmistrustfully
unmistrusting
unmisunderstandable
unmisunderstanding
unmisunderstood
unmiter
unmitered
unmitering
unmiters
unmitigability
unmitigable
unmitigated
unmitigatedly
unmitigatedness
unmitigative
unmitre
unmitred
unmitres
unmitring
unmittened
unmix
unmixable
unmixableness
unmixed
unmixedly
unmixedness
unmixt
unmoaned
unmoaning
unmoated
unmobbed
unmobile
unmobilised
unmobilized
unmoble
unmocked
unmocking
unmockingly
unmodel
unmodeled
unmodelled
unmoderate
unmoderated
unmoderately
unmoderateness
unmoderating
unmodern
unmodernised
unmodernity
unmodernize
unmodernized
unmodest
unmodestly
unmodestness
unmodifiability
unmodifiable
unmodifiableness
unmodifiably
unmodificative
unmodified
unmodifiedness
unmodish
unmodishly
unmodulated
unmodulative
unmoled
unmoist
unmoisten
unmold
unmoldable
unmoldableness
unmolded
unmoldered
unmoldering
unmolding
unmolds
unmoldy
unmolest
unmolested
unmolestedly
unmolestation
unmollified
unmollified
unmollifying
unmolten
unmomentary
unmomentous
unmomentously
unmomentousness
unmonarch
unmonarchic
unmonarchical
unmonarchically
unmonastic
unmonastically
unmonetary
unmoneyed
unmonistic
unmonitored
unmonkish
unmonkly
unmonogrammed
unmonopolised
unmonopolising
unmonopolize
unmonopolized
unmonopolizing
unmonotonous
unmonotonously
unmonumental
unmonumented
unmoody
unmoor
unmoored
unmooring
unmoors
unmooted
unmopped
unmoral
unmoralising
unmoralist
unmoralistic
unmorality
unmoralize
unmoralized
unmoralizing
unmorally
unmoralness
unmorbid
unmorbidly
unmorbidness
unmordant
unmordanted
unmordantly
unmoribund
unmoribundly
unmorose
unmorosely
unmoroseness
unmorphological
unmorphologically
unmorrisened
unmortal
unmortalize
unmortared
unmortgage
unmortgageable
unmortgaged
unmortgaging
unmortified
unmortifiedly
unmortifiedness
unmortise
unmortised
unmortising
unmossed
unmossy
unmothered
unmotherly
unmotile
unmotionable
unmotioned
unmotioning
unmotivated
unmotivatedly
unmotivatedness
unmotivating
unmotived
unmotorered
unmotorised
unmotorized
unmottled
unmould
unmouldable
unmouldered
unmouldering
unmouldy
unmounded
unmount
unmountable
unmountainous
unmounted
unmounting
unmourned
unmournful
unmournfully
unmourning
unmouthable
unmouthed
unmouthpieced
unmovability
unmovable
unmovableness
unmovablety
unmovably
unmoveable
unmoved
unmovedly
unmoving
unmovingly
unmovingness
unmowed
unmown
unmucilaged
unmuddled
unmuddied
unmuddle
unmuddled
unmuddy
unmuffle
unmuffled
unmuffles
unmuffling
unmulcted
unmulish
unmulled
unmulioned
unmultipliable
unmultiplicable
unmultiplicative
unmultiplied
unmultipliedly
unmultiply
unmultiplying
unmumbled
unmumbling
unmummied
unmummified
unmummify
unmummifying
unmunched
unmundane
unmundanely
unmundified
unmunicipalised
unmunicipalized
unmunificent
unmunificently
unmunitioned
unmurmured
unmurmuring
unmurmuringly
unmurmurous
unmurmurously
unmuscled
unmuscular
unmuscularly
unmusical
unmusicality
unmusically
unmusicalness
unmusicianly
unmusing
unmusked
unmussed
unmusted
unmusterable
unmustered
unmutable
unmutant
unmutated
unmutation
unmutational
unmutative
unmuted
unmutilated
unmutilative
unmutinous
unmutinously
unmutinousness
unmuttered
unmuttering
unmutteringly
unmutual
unmutualised
unmutualized
unmutually
unmuzzle
unmuzzled
unmuzzles
unmuzzling
unmyelinated
unmyopic
unmysterious
unmysteriously
unmysteriousness
unmystery
unmystic
unmystical
unmystically
unmysticalness
unmysticise
unmysticised
unmysticising
unmysticize
unmysticized
unmysticizing
unmystified
unmythical
unmythically
unmythological
unmythologically
unn
unnabbed
unnacreous
unnagged
unnagging
unnaggingly
unnail
unnailed
unnailing
unnails
unnaive
unnaively
unnaked
unnamability
unnamable
unnamableness
unnamably
unname
unnameability
unnameable
unnameableness
unnameably
unnamed
unnapkined
unnapped
unnapt
unnarcissistic
unnarcotic
unnarratable
unnarrated
unnarrative
unnarrow
unnarrowed
unnarrowly
unasal
unasally
unascent
unnation
unnational
unnationalised
unnationalistic
unnationalistically
unnationalized
unnationally
unnative
unnatural
unnaturalise
unnaturalised
unnaturalising
unnaturalism
unnaturalist
unnaturalistic
unnaturality
unnaturalizable
unnaturalize
unnaturalized
unnaturalizing
unnaturally
unnaturalness
unnature
unnauseated
unnauseating
unnautical
unnavigability
unnavigable
unnavigableness
unnavigably
unnavigated
unnealed
unneaped
unnear
unnearable
unneared
unnearly
unnearness
unneat
unneath
unneatly
unnipped
unnitrogenised
unnitrogenized
unnitrogenous
unnobilitated
unnobility
unnoble
unnobleness
unnobly
unnocuurnal
unnocuurnally
unnodding
unnoddingly
unnoised
unnoisily
unnoisy
unnomadic
unnomadically
unnominal
unnominalistic
unnominally
unnominated
unnominative
unnonsensical
unnooked
unnoosed
unnormal
unnormalised
unnormalising
unnormalized
unnormalizing
unnormally
unnornalness
unnormative
unnornthern
unnose
unnosed
unnoretable
unnoretional
unnoreched
unnored
unnorethoughtiness
unnoreteworthy
unnoreticeable
unnoreticeableness
unnoreticeably
unnoreticed
unnoreticing
unobjectified
unobjectionability
unobjectionable
unobjectionableness
unobjectionably
unobjectional
unobjective
unobjectively
unobjectivized
unobligated
unobligating
unobligative
unobligatory
unobliged
unobliging
unobligingly
unobligingness
unobliterable
unobliterated
unoblivious
unobliviously
unobliviousness
unobnoxious
unobnoxiously
unobnoxiousness
unobscene
unobscenely
unobsceneness
unobscure
unobscred
unobscreely
unobscreeness
unobsequious
unobsequiously
unobsequiousness
unobservable
unobservance
unobservant
unobservantly
unobservantness
unobserved
unobservedly
unobserving
unobservingly
unobsessed
unobsolete
unobstinate
unobstinately
unobstruct
unobstructed
unobstructedly
unobstructedness
unobstructive
unobstruency
unobstrusively
unobstrusiveness
unobtunded
unobumbrated
unobverted
unobviable
unobviated
unobvious
unobviously
unobviousness
unoccasional
unoccasionally
unoccasioned
unoccidental
unoccidentally
unoccluded
unoccupancy
unoccupation
unoccupiable
unoccupied
unoccupiedly
unoccupiedness
unoccurring
unoceanic
unocular
unode
unodious
unodiously
unodiousness
unodored
unodoriferous
unodoriferously
unodoriferousness
unodorous
unodorousness
unodorousness
unodorousness
unoeccumenic
unoeccumenical
unoffendable
unoffended
unoffendedly
unoffender
unoffending
unoffendingly
unoffensive
unoffensively
unoffensiveness
unoffered
unofficed
unofficered
unofficerlike
unofficial
unofficialdom
unofficially
unofficialness
unofficiated
unofficiating
unofficinal
unofficious
unofficiously
unofficiousness
unoffset
unoften
unogled
unoil
unoiled
unoiling
unoily
unold
unomened
unominous
unominously
unominousness
unomitted
unomnipotent
unomnipotently
unomniscent
unomniscently
unonerous
unonerously
unonerousness
unontological
unopaque
unoped
unopen
unopenable
unopened
unopenly
unopenness
unoperably
unoperatable
unoperated
unoperatic
unoperatically
unoperating
unoperative
unoperculate
unoperculated
unopiated
unopiotic
unopined
unopinionated
unopinionatedness
unopinioned
unoppositional
unopposed
unopposedly
unopposedness
unopposing
unopposite
unoppositional
unoppressed
unoppressive
unoppressively
unoppressiveness
unopprobrious
unopprobriously
unopprobriousness
unoppngned
unopressible
unopted
unoptimistic
unoptimistical
unoptimistically
unoptimized
unoptional
unoptionally
unopulence
unopulent
unopulently
unoral
unorally
unorational
unoratorial
unoratorical
unoratorically
unorbed
unorbital
unorbitally
unorchestrated
unordain
unordainable
unordained
unorder
unorderable
unordered
unorderly
unordinal
unordinarily
unordinariness
unordinary
unordinate
unordinately
unordinateness
unordnanced
unorganed
unorganic
unorganical
unorganically
unorganicalness
unorganisable
unorganised
unorganizable
unorganized
unorganizedly
unorganizedness
unoriental
unorientally
unorientalness
unoriented
unoriginal
unoriginality
unoriginally
unoriginalness
unoriginate
unoriginated
unoriginatedness
unoriginately
unoriginateness
unorigination
unoriginative
unoriginatively
unoriginativeness
unorn
unornamental
unornamentally
unornamentalness
unornamentation
unornamented
unornate
unornately
unornateness
unornithological
unornily
unorphaned
unorthodox
unorthodoxically
unorthodoxyly
unorthodoxness
unorthodoxy
unorthographical
unorthographically
unoscillating
unosculated
unosmotic
unossified
unossifying
unostensible
unostensibly
unostensive
unostensively
unosteentation
unostentatious
unostentatiously
unostentatiousness
unousted
unoutgrown
unoutlawed
unoutraged
unpacking
unpacks
unadded
unaddlocked
unpagan
unpaganize
unpaganized
unpaganizing
unpaged
unpaginal
unpaginated
unpaid
unpained
unpainful
unpainfully
unpaining
unpainstaking
unpaint
unpaintability
unpaintable
unpaintableness
unpaintably
unpainted
unpaintedly
unpaintedness
unpaired
unpainted
unpalatability
unpalatable
unpalatableness
unpalatably
unpalatal
unpalatalized
unpalatalally
unpalatial
unpale
unpaled
unpalisaded
unpalisadoed
unpalled
unpalliable
unpalliated
unpalliative
unpalpable
unpalpably
unpalpable
unpalsied
unpaltry
unpampered
unpanegyrised
unpanegyrized
unpanel
unpaneled
unpanelled
unpanged
unpanicky
unpannel
unpanniered
unpanoplied
unpantheistic
unpantheistical
unpantheistically
unpanting
unpapal
unpapaverous
unpaper
unpapered
unparaded
unparadise
unparadox
unparadoxal
unparadoxical
unparadoxically
unparagoned
unparagonized
unparagraphed
unparallel
unparallelable
unparalleled
unparalleledly
unparalleledness
unparalleledled
unparallelled
unparallelleness
unparalysed
unparalyzed
unparametrized
unparaphrased
unparasitic
unparasitical
unparasitically
unparcel
unparceled
unparceling
unparcellled
unparcelling
unparch
unparched
unparching
unpardon
unpardonability
unpardonable
unpardonableness
unpardonably
unpardoned
unpardononedness
unpardononing
unpared
unparegal
unparental
unparentally
unparented
unparenthesised
unparenthesized
unparenthetic
unparenthetical
unparenthetically
unparfit
untargeted
unpark
unparked
unparking
unparliamentary
unparliamented
unparochial
unparochialism
unparochially
unparodied
unparolable
unparoled
unparrel
unparriable
unparried
unparroted
unparrying
unparsed
unparser
unparsimonious
unparsimoniously
unparsonic
unparsonical
unpartable
unpartableness
unpartably
unpartaken
unpartaking
unparted
unpartial
unpartiality
unpartially
unpartialness
unpartible
unparticipant
unparticipated
unparticipating
unparticipative
unparticular
unparticularised
unparticularising
unparticularized
unparticularizing
unparticularness
unpartisan
unpartitioned
unpartitive
unpartizan
unpartnered
unpartook
unparty
unpass
unpassable
unpassableness
unpassably
unpassed
unpassing
unpassionate
unpassionately
unpassionateness
unpassioned
unpassive
unpassively
unpaste
unpasted
unpasteurised
unpasteurized
unpasteurising
unpasteuring
unpastor
unpastoral
unpastorally
unpastured
unpatched
unpatent
unpatentable
unpatented
unpaternal
unpaternally
unpathed
unpathetic
unpathetically
unpathological
unpathologically
unpathwayed
unpatience
unpatient
unpatiently
unpatientliness
unpatinated
unpatriarchal
unpatriarchally
unpatrician
unpatriotic
unpatriotically
unpatriotism
unpatriastic
unpatriistical
unpatriistically
unpatrolled
unpatronisable
unpatronizable
unpatronized
unpatronizing
unpatronizingly
unpatted
unpatterned
unpatternized
unpaunch
unpaunched
unpauperized
unpausing
unpausingly
unpave
unpaved
unpavilioned
unpaving
unpawed
unpawn
unpawned
unpay
unpayable
unpayableness
unpayably
unpaying
unpayment
unpeace
unpeaceable
unpeaceableness
unpeaceably
unpeaceful
unpeacefully
unpeacefulness
unpeaked
unpealed
unpearled
unpebbled
unpeccable
unpecked
unpeculating
unpeculiar
unpeculiarly
unpecuniarily
unpedagogic
unpedagogical
unpedagogically
unpedantic
unpedantical
unpeddled
unpedestal
unpedestedal
unpedestaling
unpedigreed
unpeel
unpeelable
unpeelableness
unpeeled
unpeeling
unpeerable
unpeered
unpeevish
unpeevishly
unpeevishness
unpeg
unpegged
unpegging
unpegs
unpejorative
unpejoratively
unpelagic
unpelted
unpen
unpenal
unpenalised
unpenalized
unpenally
unpenanced
unpenciled
unpencilled
unpendant
unpendent
unpending
unpendulous
unpendulously
unpendulousness
unpenetrable
unpenetrably
unpenetrant
unpenetrated
unpenetrating
unpenetratingly
unpenetrative
unpenetratively
unpenitent
unpenitential
unpenitentially
unpenitently
unpenitentness
unpenned
unpennied
unpenning
unpennoned
unpens
unpensionable
unpensionableness
unpensioned
unpensioning
unpent
unpenurious
unpenuriously
unpenuriousness
unpeople
unpeopled
unpeoples
unpeopling
unpeppered
unpeppery
unperceivability
unperceivable
unperceivably
unperceived
unperceivedly
unperceiving
unperceptible
unperceptibleness
unperceptibly
unperceptional
unperceptive
unperceptively
unperceptiveness
unperceptual
unperceptually
unperch
unperched
unperciptient
unpercolated
unpercussed
unpercussive
unperdurable
unperdurably
unperemptorily
unperemptoriness
unperemptory
unperfect
unperfected
unperfectedly
unperfectedness
unperfectible
unperfection
unperfective
unperfectively
unperfectiveness
unperfectly
unperfectness
unperfidious
unperfidioulsly
unperfidioulsness
unperflated
unperforable
unperforate
unperforated
unperforating
unperforative
unperformability
unperformable
unperformance
unperformed
unperforming
unperfumed
un perilous
un perilously
un periodic
un periodical
un periodically
un peripheral
un peripherally
un periphrased
un periphrastic
un periphrastically
un perishable
un perishableness
un perishably
un perished
un perishing
un perjured
un perjuring
un permanency
un permanent
un permanently
un permeable
un permean
t un permeated
un permeating
un permeative
un permissible
un permissibly
un permissive
un permit
un permits
un permitted
un permitting
un permixed
un perming
un pernicious
un perniciously
un perpendicular
un perpendicularly
un perpetrated
un perpetuable
un perpetuated
un perpetuating
un perplex
un perplexed
un perplexing
un persecuted
un persecuting
unpersecutive
unperseverance
unpersevering
unperseveringly
unperseveringness
unpersisting
unperson
unpersonable
unpersonableness
unpersonal
unpersonalised
unpersonalising
unpersonality
unpersonalized
unpersonalizing
unpersonally
unpersonified
unpersonify
unpersonifying
unpersons
unperspicuous
unperspicuously
unperspicuousness
unperspirable
unperspired
unperspiring
unpersuadability
unpersuadable
unpersuadableness
unpersuadably
unpersuade
unpersuaded
unpersuadedness
unpersuasibility
unpersuasible
unpersuasibleness
unpersuasion
unpersuasive
unpersuasively
unpersuasiveness
unpertaining
unpertinent
unpertinently
unperturbable
unperturbably
unperturbed
unperturbedly
unperturbedness
unperturbing
unperuked
unperusable
unperused
unpervaded
unpervading
unpervasive
unpervasively
unpervasiveness
unperverse
unperversely
unperversive
unpervert
unperverted
unpervertedly
unpervious
unperviously
unperviousness
unpessimistic
unpessimistically
unpestered
unpesterous
unpestilent
unpestilential
unpestilently
unpetal
unpetaled
unpetalled
unpetitioned
unpetrified
unpetrify
unpetrifying
unpetted
unpetticoated
unpetulant
unpetulantly
unpharasaic
unpharasaical
unphased
unphenomenal
unphenomenally
unphilanthropic
unphilanthropically
unphilologic
unphilological
unphilosophic
unphilosophical
unphilosophically
unphilosophicalness
unphilosophize
unphilosophized
unphilosophy
unphlegmatic
unphlegmatical
unphlegmatically
unphonetic
unphoneticness
unphonetical
unphonetically
unphonographed
unphosphatised
unphosphatized
unphotographable
unphotographed
unphotographic
unphrasable
unphrasableness
unphrased
unphrenological
unphysical
unphysically
unphysicianlike
unphysicked
unphysiological
unphysiologically
unpicaresque
unpick
unpickable
unpicked
unpickeded
unpicking
unpickeded
unpicks
unpictorial
unpictorialise
unpictorialised
unpictorialising
unpictorialize
unpictorialized
unpictorializing
unpictorially
unpicturability
unpicturable
unpicted
unpicturesque
unpicturesquely
unpicturesqueness
unpiece
unpieceed
unpieced
unpierceable
unpierced
unpiercing
unpiety
unpigmented
unpile
unpiled
unpiles
unpilfered
unpilgrimlike
unpiling
unpillaged
unpillared
unpilled
unpilloried
unpillowed
unpiloted
unpimpled
unpin
unpinched
unpining
unpinion
unpinioned
unpinked
unpinned
unpinning
unpins
unpioneering
unpious
unpiously
unpiped
unpiqued
unpirated
unpiratical
unpiratically
unpitched
unpited
unpiteous
unpiteously
unpiteousness
unpitiable
unpitiably
unpitiied
unpitiedly
unpitiiedness
unpitiful
unpitifully
unpitifulness
unpitted
unpity
unpitying
unpityingly
unpityingness
unplacable
unplacably
unplacated
unplacatory
unplace
unplaced
unplacement
unplacid
unplacidly
unplacidness
unplagiarised
unplagiarized
unplagged
unplaid
unplain
unplained
unplainly
unplainness
unplait
unplaited
unplaiting
unplaits
unplan
unplaned
unplanished
unplank
unplanked
unplanned
unplannedly
unplannedness
unplanning
unplant
unplantable
unplanted
unplantlike
unplashed
unplaster
unplastered
unplastic
unplat
unplated
unplatitudinous
unplatitudinously
unplatitudinousness
unplatted
unplausible
unplausibleness
unplausibly
unplausible
unplayed
unplayful
unplayfully
unplaying
unpleached
unpleadable
unpleaded
unpleading
unpleasable
unpleasant
unpleasantish
unpleasantly
unpleasantness
unpleasantries
unpleasantry
unpleased
unpleasing
unpleasingly
unpleasingness
unpleasingly
unpleasure
unpleat
unpleated
unplebeian
unpledged
unplenished
unplenteous
unplenteously
unplentiful
unplentifully
unplentifulness
unpliability
unpliable
unpliableness
unpliably
unpliancy
unpliant
unpliantly
unpliantness
unplied
unplight
unplighted
unplodding
unplotted
unplotting
unplough
unploughed
unplow
unplowed
unplucked
unplug
unplugged
unplugging
unplugs
unplumb
unplumbed
unplume
unplumed
unplummeted
unplump
unplundered
unplunderous
unplunderously
unplunge
unplunged
unpluralised
unpluralistic
unpluralized
unplutocratic
unplutocratical
unplutocratically
unpneumatic
unpneumatically
unpoached
unpocket
unpocketed
unpodded
unpoetic
unpoetical
unpoetically
unpoeticalness
unpoeticised
unpoeticized
unpoetize
unpoetized
unpoignant
unpoignantly
unpoignard
unpointed
unpointing
unpoise
unpoised
unpoison
unpoisonable
unpoisoned
unpoisonous
unpoisonously
unpolarised
unpolarizable
unpolarized
unpoled
unpolemic
unpolemical
unpolemically
unpoliced
unpolicied
unpolish
unpolishable
unpolished
unpolishedness
unpolite
unpolitely
unpoliteness
unpolitic
unpolitical
unpolitically
unpolitically
unpollarded
unpolled
unpollened
unpollutable
unpolluted
unpollutedly
unpolluting
unpolymerised
unpolymerized
unpompous
unpompously
unpompousness
unponderable
unpondered
unponderous
unponderously
unponderousness
unpontifical
unpontifically
unpooled
unpope
unpopular
unpopularised
unpopularity
unpopularize
unpopularized
unpopularly
unpopularness
unpopulate
unpopulated
unpopulous
unpopulously
unpopulousness
unporcelainized
unporness
unpornographic
unporous
unporousness
unportable
unportended
unportentous
unportentously
unportentousness
unporticoed
unportionable
unportioned
unportly
unportmanteaued
unportraited
unportrayable
unportrayed
unfortunate
unportuous
unposed
unposing
unpositive
unpositively
unpositiveness
unpositivistic
unpossess
unpossessed
unpossessable
unpossessedness
unpossessing
unpossessive
unpossessively
unpossessiveness
unpossibility
unpossible
unpossibleness
unpossibly
unposted
unposter
unposthumous
unpostmarked
unpostponable
unpostponed
unpostulated
unpot
unpotable
unpotent
unpotently
unpotted
unpotting
unpouched
unpoul
ced
unpounced
unpounded
unpourable
unpoured
unpouting
unpoutingly
unpowdered
unpower
unpowerful
unpowerfulness
unpracticability
unpracticable
unpracticable
unpracticable
unpractically
unpractically
unpractical
unpractical
unpracticality
unpractically
unpracticalness
unpractically
unpracticed
unpracticedness
unpractised
unpragmatic
unpragmatical
unpragmatically
unpraisable
unpraise
unpraised
unpraiseful
unpraiseworthy
unpraising
unpranked
unprating
unpray
unprayable
unprayed
unprayerful
unprayerfully
unprayerfulness
unpraying
unpreach
unpreached
unpreaching
unprecarious
unprecariously
unprecariousness
unprecautioned
unpreceded
unprecedented
unprecedently
unprecedentedness
unprecedential
unpreceptively
unprecious
unpreciously
unpreciousness
unprecipiced
unprecipitant
unprecipitantly
unprecipitate
unprecipitated
unprecipitately
unprecipitateness
unprecipitative
unprecipitatively
unprecipitous
unprecipitously
unprecipitousness
unprecise
unprecisely
unpreciseness
unprecise
unprecludable
unprecluded
unprecludible
unpreclusive
unpreclusively
unprecocious
unprecociously
unprecociousness
unpredaceous
unpredaceously
unpredaceousness
unpredacious
unpredaciously
unpredaciousness
unpredatory
unpredestinated
unpredestined
unpredetermined
unpredicable
unpredicableness
unpredictably
unpredicated
unpredicative
unpredicatively
unpredict
unpredictability
unpredictabilness
unpredictable
unpredictableness
unpredictably
unpredicted
unpredictedness
unpredicting
unpredictive
unpredictively
unpredisposed
unpredisposing
unpreempted
unpreened
unprefaced
unpreferable
unpreferableness
unpreferably
unpreferred
unprefigured
unprefined
unprefixal
unpreposterousness
unpresaged
unpresageful
unpresaging
unpresbyterated
unprescient
unpresciently
unprescinded
unprescribed
unpresentability
unpresentable
unpresentableness
unpresentably
unpresentative
unpresented
unpreservable
unpreserved
unpresidential
unpresidentially
unpresiding
unpressed
unpresses
unpressured
unprest
unpresumable
unpresumably
unpresumed
unpresuming
unpresumingness
unpresumptive
unpresumptively
unpresumptuous
unpresumptuously
unpresumptuousness
unpresupposed
unpretended
unpretending
unpretendingly
unpretendingness
unpretentious
unpretentiously
unpretentiousness
unpretermitted
unpreternatural
unpreternaturally
unpretittied
unprettily
unprettiness
unpretty
unprevailing
unprevalence
unprevalent
unprevalently
unprevaricating
unpreventability
unpreventable
unpreventableness
unpreventably
unpreventative
unprevented
unpreventible
unpreventive
unpreventively
unpreventiveness
unpreviewed
unpreying
unpriceably
unpriced
unpricked
unprickled
unprickly
unprideful
unpridefully
unpriest
unpriestlike
unpriestly
unpriggish
unprim
unprime
unprimed
unprimitive
unprimitively
unprimitiveness
unprimitivistic
unprimly
unprimmed
unprimness
unprince
unprincelike
unprinceliness
unprincely
unprincess
unprincipal
unprinciple
unprincipled
unprincipledly
unprincipledness
unprint
unprintable
unprintableness
unprintably
unprinted
unpriority
unprismatic
unprismatical
unprismatically
unprison
unprisonable
unprisoned
unprivate
unprivately
unprivateness
unprivileged
unprizable
unprized
unprobable
unprobably
unprobated
unprobational
unprobationary
unprobative
unprobed
unprobiety
unproblematic
unproblematical
unproblematically
unprocessed
unprocessional
unproclaimed
unprocrastinated
unprocreant
unprocreate
unprocreated
unproctored
unprocourable
unprocourableness
unprocure
unprocured
unprodded
unproded
unprodigious
unprodigiously
unprodigiousness
unproduceable
unproduceableness
unproduceably
unproduced
unproducedness
unproducible
unproducibleness
un producibly
unproductive
unproductively
unproductiveness
unproductivity
unproducible
unproducibly
unproducible
unproducedness
unproduced
unprofanable
unprofane
unprofaned
unprofanely
unprofaneness
unprofessed
unprofessing
unprofessional
unprofessionalism
unprofessionally
unprofessionalness
unprofessorial
unprofessorially
unproffered
unproficiency
unproficient
unproficiently
unprofit
unprofitability
unprofitable
unprofitableness
unprofitably
unprofited
unprofiteering
unprofiting
unprofound
unprofoundly
unprofoundness
unprofundity
unprofuse
unprofusely
unprofuseness
unprognosticated
unprognosticative
unprogrammatic
unprogressed
unprogressive
unprogressively
unprogressiveness
unprohibited
unprohibitedness
unprohibitive
unprohibitively
unprojected
unprojecting
unprojective
unproliferous
unprolific
unprolifically
unprolificness
unprolifiness
unprolix
unprologue
unprolongable
unprolonged
unpromiscuous
unpromiscuously
unpromiscuousness
unpromise
unpromised
unpromising
unpromisingly
unpromisingness
unpromotable
unpromoted
unpromotional
unpromotive
unprompt
unprompted
unpromptly
unpromptness
unpromulgated
unpronounce
unpronounceable
unpronounced
unpronouncing
unproofread
unprop
unpropagable
unpropagandistic
unpropagated
unpropagative
unpropelled
unpropellant
unpropense
unproper
unproperly
unproperness
unpropertied
unprophesiable
unprophesied
unprophectic
unprophectical
unprophecetically
unprophetlike
unpropice
unpropitiabale
unpropitiated
unpropitiatedness
unpropitiating
unpropitiative
unpropitiatory
unpropitious
unpropitiously
unpropitiousness
unproportion
unproportionable
unproportionableness
unproportionably
unproportional
unproportionality
unproportionally
unproportionate
unproportionately
unproportionateness
unproportioned
unproportionedly
unproportionedness
unproposable
unproposed
unproposing
unpropounded
unpropopped
unpropriety
unprorogued
unprosaic
unprosaical
unprosaicaly
unprosaiceness
unproscribable
unproscribed
unproscriptive
unproscriptively
unprosecutable
unprosecuted
unprosecuting
unproselyte
unproselyted
unprosodic
unprospected
unprospective
unprosperably
unprospered
unprospering
unprosperity
unprosperous
unprosperously
unprosperousness
unprostitute
unprostituted
unprostrated
unprotect
unprotectable
unprotected
unprotectedly
unprotectedness
unprotecting
unprotection
unprotective
unprotectively
unprotestant
unprotestantize
unprotested
unprotesting
unprotestingly
unprotracted
unprotractive
unprotruded
unprotuberant
unprotuberantly
unproud
unproudly
unprovability
unprovable
unprovableness
unprovably
unproved
unprovedness
unproven
unproverbial
unproverbially
unprovidable
unprovide
unprovided
unprovidedly
unprovidedness
unprovidedly
unprovidenced
unprovident
unprovidential
unprovidentially
unprovidently
unproviding
unprovincial
unprovincialism
unprovincially
unproving
unprovised
unprovisedly
unprovision
unprovisional
unprovisioned
unprovocative
unprovocatively
unprovocativeness
unprovokable
unprovoke
unprovoked
unprovokedly
unprovokedness
unprovoking
unprovokingly
unprowling
unproximity
unprudence
unprudent
unprudential
unprudentially
unprudently
unprunable
unpruned
unprying
unpsychic
unpsychically
unpsychological
unpsychologically
unpsychopathic
unpsychotic
unpublic
unpublicity
unpublicized
unpublicly
unpublishable
unpublishableness
unpublishably
unpublished
unpucker
unpuckered
unpuckering
unpuckers
unpuddled
unpuff
unpuffed
unpuffing
unpugilistic
unpugnacious
unpugnaciously
unpugnaciousness
unpulled
unpulleyed
unpulped
unpulsating
unpulsative
unpulverable
unpulverised
unpulverize
unpulverized
unpulvinate
unpulvinated
unpumicated
unpummeled
unpummeled
unpumpeled
unpumpable
unpumped
unpunched
unpunctate
unpunctated
unpunctilious
unpunctiliously
unpunctiliousness
unpunctual
unpunctuality
unpunctually
unpunctualness
unpunctuated
unpunctuating
unpunctured
unpunishable
unpunishably
unpunished
unpunishly
unpunishedness
unpunishing
unpunishingly
unpunitive
unpurchasable
unpurchased
unpure
unpured
unpurely
unpurenness
unpurgative
unpurgatively
unpurgeable
unpurged
unpurifiable
unpurified
unpurifying
unpuristic
unpuritan
unpuritanic
unpuritanical
unpuritanically
unpurled
unpurloined
unpurple
unpursed
unpurse
unpursuable
unpursuant
unpursued
unpursuing
unpurveyed
unpushed
unput
unputative
unputatively
unputrefiable
unputrefied
unputrid
unputridity
unputridly
unputridness
unputtied
unpuzzle
unpuzzled
unpuzzles
unpuzzling
unquadded
unquaffed
unquailed
unquailing
unquailingly
unquakerlike
unquakerly
unquaking
unqualifiable
unqualification
unqualified
unqualifiedly
unqualifiedness
unqualify
unqualifying
unqualifyingly
unqualified
unquality
unquantified
unquantitative
unquarantined
unquarreled
unquarreling
unquarrelled
unquarrelling
unquarrelsome
unquarried
unquartered
unquashed
unquavering
unquayed
unqueen
unqueened
unqueenning
unqueenlike
unqueenly
unquellable
unquelled
unqueme
unquemely
unquenchable
unquenchableness
unquenchably
unquenched
unqueried
unquert
unquerulous
unquerulously
unquerulousness
unquested
unquestionability
unquestionable
unquestionableness
unquestionably
unquestionate
unquestioned
unquestionedly
unquestionedness
unquestioning
unquestioningly
unquestioningness
unquibbled
unquibbling
unquick
unquickened
unquickly
unquickness
unquicksilvered
unquiescence
unquiescent
unquiescently
unquiet
unquietable
unquieted
unquieter
unquietest
unquieting
unquietly
unquietness
unquietous
unquiets
unquietude
unquilleted
unram
unrambling
unramified
unrammed
unramped
unranched
unrancid
unrancored
unrancorous
unrancoured
unrancourous
unrandom
unranging
unrank
unranked
unrankled
unransacked
unransomable
unransomed
unranting
unrapacious
unrapaciously
unrapaciousness
unraped
unraptured
unrapturous
unraptuously
unrapturousness
unrare
unrarefied
unrash
unrashly
unrashness
unrasped
unrasping
unraspy
unratable
unrated
unratified
unrationable
unrational
unrationalised
unrationalising
unrationalized
unrationalizing
unrationally
unrationed
unrattled
unravaged
unravel
unravelable
unraveled
unraveler
unraveling
unravellable
unravelled
unraveller
unravelment
unravels
unraving
unravished
unravishing
unray
unrayed
unrazed
unrazored
unreachable
unreachableness
unreachably
unreached
unreactionary
unreactive
unread
unreadability
unreadable
unreadableness
unreadably
unreadier
unreadiest
unreadily
unreadiness
unread
unreal
unrealise
unrealised
unrealising
unrealism
unrealist
unrealistic
unrealistically
unrealities
unreality
unrealizability
unrealizable
unrealize
unrealized
unrealizing
unreally
unrealmed
unrealness
unreaped
unreared
unreason
unreasonability
unreasonable
unreasonableness
unreasonably
unreasoned
unreasoning
unreasoningly
unreasoningness
unreasons
unreassuring
unreassuringly
unreave
unreaving
unrebated
unrebek
unrebelliuous
unrebelliouously
unrebelliuousness
unrebuffable
unrebuffably
unrebuffed
unrebilt
unrebukable
unrebukably
unrebukeable
unrebuked
unrebuttable
unrebuttableness
unrebutted
unrecalcitrant
unrecallable
unrecallably
unrecalled
unrecalling
unrecantable
unrecanted
unrecanting
unrecaptured
unreceding
unreceipted
unreceivable
unreceived
unreceiving
unrecent
unreceptant
unreceptive
unreceptively
unreceptiveness
unreceptivity
unrecessive
unrecessively
unrecipient
unreciprocal
unreciprocally
unreciprocated
unreciprocating
unrecitative
unrecited
unrecked
unrecking
unreckingness
unreckless
unreckon
unreckonable
unreckoned
unreclaimable
unreclaimably
unreclaimed
unreclaimedness
unreclaiming
unreclined
unreclining
unrecluse
unreclusive
unrecoded
unrecognisable
unrecognisably
unrecognition
unrecognitionally
unrecognitory
unrecognizable
unrecognizableness
unrecognizably
unrecognized
unrecognizing
unrecognizingly
unrecoined
unrecollectable
unrecollected
unrecollective
unrecommendable
unrecommended
unrecompensable
unrecompensed
unreconcilable
unreconcilableness
unreconcilably
unreconciled
unreconciling
unrecondite
unreconnoitered
unreconnoitred
unreconsidered
unreconstructed
unreconstructible
unrecordable
unrecorded
unrecordedness
unrecording
unaccountable
unrecounted
unrecoverable
unrecoverableness
unrecoverably
unrecovered
unrecreant
unrecreated
unrecreating
unrecreational
unrecriminative
unrecruitable
unrecruited
unrectangular
unrectangularly
unrectifiable
unrectifiably
unrectified
unrecumbent
unrecumbently
unrecuperated
unrecuperatiness
unrecuperative
unrecuperativeness
unrecuperatory
unrecuring
unrecurrent
unrecurrently
unrecurring
unrecusant
unred
unredacted
unredeemable
unredeemableness
unredeemably
unredeemed
unredeemedly
unredeemedness
unredeeming
unredeemptive
unredressable
unredressed
unreduceable
unreduced
unreducible
unreducibleness
unreducibly
unreduct
unreefed
unreel
unreelable
unreeled
unreeler
unreelers
unreeling
unreels
unreeve
unreeved
unreeves
unreeving
unreferenced
unreferred
unrefilled
unrefine
unrefined
unrefinedly
unrefinedness
unrefinement
unrefining
unrefitted
unreflected
unreflecting
unreflectingly
unreflectingness
unreflective
unreflectively
unreformable
unreformative
unreformed
unreformedness
unreforming
unrefracted
unrefracting
unrefractive
unrefractively
unrefractiveness
unrefractory
unrefrainable
unrefrained
unrefraining
unrefrangible
unrefreshed
unrefreshedness
unrefreshing
unrefreshingly
unrefrigerated
unrefulgent
unrefulgently
unrefundable
unrefunded
unrefunding
unrefusab  le
unrefusably
unrefused
unrefusing
unrefusingly
unrefutability
unrefutable
unrefutably
unrefuted
unrefuting
unregainable
unregained
unregal
unregaled
unregality
unregally
unregard
unregardable
unregardant
unregarded
unregardedly
unregardful
unregenerable
unregeneracy
unregenerate
unregenerated
unregenerately
unregenerateness
unregenerating
unregeneration
unregenerative
unregimental
unregimentally
unregimented
unregistered
unregenerable
unregressive
unregressively
unregressiveness
unregretful
unregretfully
unregretfulness
unregrettable
unregrettably
unregretted
unregretting
unregulable
unregular
unregularised
unregularized
unregulated
unregulative
unregulatory
unregurgitated
unrehabilitated
unrehearsable
unrehearsed
unrehearsing
unreigning
unreimbodied
unrein
unreined
unreinforced
unreinstated
unreiterable
unreiterated
unreiterating
unreiterative
unrejectable
unrejected
unrejective
unrejoiced
unrejoicing
unrejuvenated
unrejuvenating
unrelapsing
unrelatable
unrelated
unrelatedness
unrelating
unrelational
unrelative
unrelatively
unrelativistic
unrelaxable
unrelaxed
unrelaxing
unrelaxingly
unrelayed
unreleasable
unreleased
unreleasible
unreleasing
unrelegable
unrelegated
unrelentable
unrelenance
unrelented
unrelenting
unrelentingly
unrelentingness
unrelentless
unrelentor
unrelevant
unrelevantly
unreliability
unreliable
unreliableness
unreliably
unreliance
unreliaent
unrelievability
unrelievable
unreliableness
unrelieved
unrelievably
unrelievableness
unrelievedness
unrelieving
unreligion
unremorsefully
unremorsefulness
unremote
unremotely
unremoteness
unremounted
unremovable
unremovableness
unremovably
unremoved
unremunerated
unremunerating
unremunerative
unremuneratively
unremunerativeness
unrenderable
unrendered
unrenewable
unrenewed
unrenounceable
unrenounced
unrenouncing
unrenovated
unrenovative
unrenowned
unrenownedly
unrenownedness
unrent
unrentable
unrented
unrenunciative
unrenunciatory
unreorganised
unreorganized
unrepaid
unrepair
unrepairable
unrepaired
unrepairs
unreportable
unreported
unrepayable
unrepealability
unrepealable
unrepealableness
unrepealably
unrepealed
unreposefulness
unreposing
unrepossessed
unreprehended
unreprehensible
unreprehensibleness
unreprehensibly
unpreseed
unrepresentable
unrepresentation
unrepresentational
unrepresentative
unrepresentatively
unrepresentativeness
unrepresented
unrepresentedness
unrepressed
unrepressible
unrepression
unrepressive
unrepressively
unrepressiveness
unretrievable
unretrievably
unretrieved
unreprimanded
unreprimanding
unreprinted
unreproachable
unreproachableness
unreproachably
unreproached
unreproachful
unreproachfully
unreproachfulness
unreproaching
unreproachingly
unreprobated
unreprobative
unreprobatively
unreproduced
unreproducible
unreproductive
unreproductively
unreproductiveness
unreprovable
unreprovableness
unreprovably
unreproved
unreprovedly
unreprovedness
unreproving
unrepublican
unrepudiable
unrepudiated
unrepudiative
unrepugnable
unrepugnant
unrepugnantly
unrepulsable
unrepulsed
unrepulsing
unrepulsive
unrepulsively
unrepulsiveness
unreputable
unreputed
unrequalified
unrequest
unrequested
unrequickened
unrequired
unrequisite
unrequisitely
unrequisiteness
unrequisitioned
unrequitable
unrequal	
unrequited
unrequitedly
unrequitedness
unrequitemen	
unrequiter
unrequiting
unrescinded
unrescissable
unrescissory
unrescuable
unrescued
unresearched
unresemblance
unresemblant
unresembling
unresented
unresentful
unresentfully
unresentfulness
unresenting
unreserve
unreserved
unreservedly
unreservedness
unresident
unresidential
unresidual
unresifted
unresigned
unresignedly
unresilient
unresilently
unresinous
unresistable
unresistably
unresistance
unresistant
unresistantly
unresisted
unresistedly
unresistedness
unresistible
unresistibleness
unresistibly
unresisting
unresistingly
unresistingness
unresistive
unresolute
unresolutely
unresoluteness
unresolvable
unresolve
unresolved
unresolvedly
unresolvedness
unresolving
unresonant
unresonantly
unresonating
unresounded
unresounding
unresourceful
unresourcefully
unresourcefulness
unrespect
unrespectability
unrespectable
unrespectably
unrespected
unrespectful
unrespectfully
unrespectfulness
unrespective
unrespectively
unrespectiveness
unrespirable
unrespired
unrespited
unresplendent
unresplendently
unresponding
unrespsal
unresponsible
unresponsibleness
unresponsibly
unresponsive
unresponsively
unresponsiveness
unrest
unrestable
unrested
unrestful
unrestfully
unrestfulness
unresting
unrestingly
unrestingness
unrestitutive
unrestorable
unrestorableness
unrestorative
unrestored
unrestrainable
unrestrainably
unrestrained
unrestrainedly
unrestrainedness
unrestraint
unrestrictable
unrestricted
unrestrictedly
unrestrictedness
unrestriction
unretrogressive
unretrogressively
unretted
unreturnable
unreturnableness
unreturnably
unreturned
unreturning
unreturningly
unrevealable
unrevealed
unrevealedness
unrevealing
unrevelationally
unrelational
unrelationalize
unreveling
unrevelling
unrevengeful
unrevengefully
unrevengefulness
unrevenging
unrevengingly
unrevenue
unrevenued
unreverberant
unreverberated
unreverberating
unreverberative
unrevered
unreverence
unreverenced
unreverend
unreverendly
unreverent
unreverential
unreverentially
unreverently
unreverence
unreversable
unreversed
unreversible
unreversibleness
unreversibly
unreverted
unrevertible
unreverting
unridably
unridden
unriddle
unriddleable
unriddled
unriddler
unriddles
unriddling
unride
unridely
unridered
unridged
unridiculed
unridiculous
unridiculously
unridiculousness
unrife
unriffled
unrifled
unrifled
unrig
unrigged
unrigging
unright
unrightable
unrighted
unrighteous
unrighteousness
unrightful
unrightfully
unrightfulness
unrightly
unrightwise
unrigid
unrigidly
unrigidness
unrigorous
unrigorously
unrigorousness
unrigs
unrimed
unrimpled
unrind
unring
unringable
unringed
unringing
unrinsed
unrioted
unriotous
unriotously
unriotousness
unrip
unripe
unripped
unriply
unripened
unripeness
unripening
unriper
unripest
unrippable
unripped
unripping
unripped
unripping
unrippingly
unrips
unrisen
unrisible
unrising
unriskable
unrisked
unrisky
unritual
unritualistic
unritually
unrivalable
unrivalled
unrivaledly
unrivaledness
unrivaling
unrivalled
unrivalledly
unrivalling
unrivalrous
unrived
unriven
unrivet
unriveted
unriveting
unroaded
unroadworthy
unroaming
unroast
unroasted
unrobbed
unrobed
unrobes
unrobing
unrobust
unrobustly
unrobustness
unrocked
unrocky
unrococo
unrodded
unroiled
unroll
unrollable
unrolled
unroller
unrolling
unrollment
unrolls
unromantic
unromantical
unromantically
unromanticalness
unromanticised
unromanticism
unromanticized
unroof
unroofed
unroofing
unroofs
unroomy
unroost
unroosted
unroosting
unroot
unrooted
unrooting
unroots
unrope
unroped
unrosed
unrosined
unrostrated
unrotary
unrotated
unrotating
unrotational
unrotative
unrotatory
unroted
unrotted
unrotten
unrotund
unrouged
unrough
unroughened
unround
unrounded
unrounding
unrounds
unrousable
unroused
unrousing
unrout
unroutable
unrouted
unroutine
unroutinely
unrove
unroved
unroven
unroving
unrow
unrowdy
unrowed
unroweled
unrowelled
unroyal
unroyalist
unroyalized
unroyally
unroyalness
unrrove
unrubbed
unrubbish
unrubified
unrubrical
unrubrically
unrubricated
unruddered
unruddled
unrude
unrudely
unrued
unreful
unrefully
unrefulness
unrufe
unruffable
unruffed
unruffe
unruffed
unruffling
unrugged
unruinable
unruinated
unruined
unruinous
unruinously
unruinousness
unrulable
unrulableness
unrule
unruled
unruledly
unruledness
unruleful
unrulier
unruliest
unrulily
unruliment
unruliness
unruly
unruminant
unruminated
unruminating
unruminatingly
unruminative
unrummaged
unrumored
unrumoured
unrumple
unrumpled
unrun
unrung
unrupturable
unruptured
unrural
unrurally
unrushed
unrushing
unrust
unrusted
unrustic
unrustically
unrusticated
unrustling
unruth
uns
unsabbatical
unsabered
unsabled
unsabotaged
unsabred
unsaccharic
unsaccharine
unsacerdotal
unsacerdotally
unsack
unsacked
unsacrament
unsacramental
unsacramentally
unsacramentarian
unsacred
unsacredly
unsacredness
unsacrificeable
unsacrificeably
unsacrificed
unsacrificial
unsacrificially
unsacrificing
unsacrilegious
unsacrilegiously
unsacrilegiousness
unsad
unsadden
unsaddened
unsaddle
unsaddled
unsaddles
unsaddling
unsadistic
unsadistically
unsadly
unsadness
unsafe
unsafeguarded
unsafely
unsafeness
unsafer
unsafest
unsafetied
unsafeties
unsafety
unsagacious
unsagaciously
unsagaciousness
unsage
unsagely
unsageness
unsagging
unsaid
unsailable
unsailed
unsailorlike
unsaint
unsainted
unsaintlike
unsaintliness
unsaintly
unsaked
unsalability
unsalable
unsalableness
unsalably
unsalacious
unsalaciously
unsalaciousness
unsalaried
unsaleable
unsaleably
unsalemanlike
unsalient
unsaliently
unsaline
unsalivated
unsalivating
unsallow
unsallowness
unsallying
unsalmonlike
unsalness
unsalt
unsaltable
unsaltatorial
unsaltatory
unsalted
unsalty
unsalubrious
unsalubriously
unsalubriousness
unsalutariness
unsalutary
unsalutatory
unsaluted
unsaluting
unsalvability
unsalvable
unsalvableness
unsalvably
unsalvageability
unsalvageable
unsalvageably
unsalvaged
unsalved
unsame
unsameness
unsampled
unsanctification
unsanctified
unsanctifiedly
unsanctifiedness
unsanctify
unsanctifying
unsanctimonious
unsanctimoniously
unsanctimoniousness
unsanction
unsanctionable
unsanctioned
unsanctioning
unsanctitude
unsanctity
unsanctuaried
unsandaled
unsandalled
unsanded
unsane
unsaneness
unsanguinarily
unsanguinariness
unsanguinary
unsanguine
unsanguinely
unsanguineness
unsanguineous
unsanguinely
unsanitarian
unsanitary
unsanitized
unsanitation
unsanitized
unsanity
unsapient
unsapiential
unsapientially
unsapiently
unsaponifiable
unsaponified
unsapped
unsappy
unsarcastic
unsarcastical
unsarcastically
unsardonic
unsardonically
unsartorial
unsartorially
unsash
unsashed
unsatable
unsatanic
unsatonical
unsatanically
unsatucheled
unsated
unsatedly
unsatedness
unsatiability
unsatable
unsatiableness
unsatiably
unsatiate
unsatiated
unsatiating
unsatin
unsating
unsatire
unsatiric
unsatirical
unscissored
unscoffed
unscoffing
unscolded
unscolding
unconced
unscooped
unscothed
unscothing
unscored
unscorified
unscoring
unscorned
unscornful
unscornfully
unscornfulness
unscotch
unscotchted
unscottify
unscoured
unscourged
unscouring
unscouring
unscowling
unscowlingly
unscramble
unscrambled
unscrambler
unscrambles
unscrambling
unscraped
unscraping
unscratchable
unscratched
unscratching
unscratchingly
unscrawled
unscrawling
unscreen
unscreenable
unscreenablely
unscreened
unscrew
unscrewable
unscrewed
unscrewing
unscrews
unscribal
unscribbled
unscribed
unscrimped
unscripted
unscriptural
unscripturally
unscripturalness
unscrubbed
unscrupled
unscrupulosity
unscrupulous
unscrupulously
unscrupulousness
unscrutable
unscrutinised
unscrutinising
unscrutinisingly
unscrutinized
unscrutinizing
unscrutinisingly
unsculptural
unsculptured
unscummed
unscutcheoned
unseafaring
unseal
unsealable
unsealed
unsealer
unsealing
unseals
unseam
unseamanlike
unseamanship
unseamed
unseaming
unseams
unsearchable
unsearchableness
unsearchably
unsearched
unsearcherlike
unsearching
unsearchingly
unseared
unseason
unseasonable
unseasonableness
unseasonably
unseasoned
unseat
unseated
unseating
unseats
unseaworthiness
unseaworthy
unseceded
unseceding
unsecluded
unsecludedly
unsecluding
unexclusive
unexclusively
unexclusiveness
unseconded
un secrecy
un secret
unsecretarial
unsecretarylike
unsecreted
un secreting
un secretive
unsecretively
unsecretiveness
un secretly
un secretness
un sectarian
un sectarianism
un sectarianize
un sectarianized
un sectarianizing
unsectional
unsectionalised
unsectionalized
unsectionally
un sectioned
un secular
un secularised
un secularize
un secularized
un secularly
un securable
un securableness
un secure
un secured
un securedly
unsecuredness
unsecurely
unsecureness
unsecurity
unsedate
unsedately
unsedateness
unsedative
unsedentary
unsedimental
unsedimentally
unseditious
unseditiously
unseditiousness
unseduce
unseduceability
unseduceable
unseduced
unseducible
unseducibleness
unseducibly
unseductive
unseductively
unseductiveness
unsedulous
unsedulously
unsedulousness
unsee
unseeable
unseeableness
unseeded
unseeding
unseeing
unseeingly
unseeingness
unseeking
unseel
unseeliness
unseely
unseeming
unseemingly
unseemingly
unseemlier
unseemliest
unseemlily
unseemliness
unseemly
unseen
unseethed
unseething
unsegmental
unsegmentally
unsegmentary
unsegmented
unsegregable
unsegregated
unsegregatedness
unsegregating
unsegregational
unsegregative
unseignioral
unseignorial
unseismal
unseismic
unseizable
unseize
unseized
unseldom
unselect
unselected
unselecting
unselective
unselectiveness
unself
unselfassured
unselfconfident
unselfconscious
unselfconsciously
unselfconsciousness
unselfish
unselfishly
unselfishness
unselflike
unselfness
unselfreliant
unseliness
unsell
unselling
unselth
unsely
unseminared
unsenatorial
unsenescent
unsenile
unsensate
unsensational
unsensationally
unsense
unsensed
unsensibility
unsensible
unsensibleness
unsensibly
unsensing
unsensitise
unsensitised
unsensitising
unsensitive
unsensitively
unsensitiveness
unsensitize
unsensitized
unsensitizing
unsensory
unsensual
unsensualised
unsensualistic
unsensualize
unsensualized
unsensually
unsensuous
unsensuously
unsensuousness
unsent
unsentenced
unsententious
unsententiously
unsententiousness
unsentient
unsentiently
unsentimental
unsentimentalised
unsentimentalist
unsentimentality
unsentimentalize
unsentimentalized
unsentimentally
unsentineled
unsentinelled
unseparable
unseparableness
unseparably
unseparate
unseparated
unseparately
unseparateness
unseparating
unseparative
unseptate
unseptated
unsepulcher
unsepulchered
unsepulchral
unsepulchrally
unsepulchre
unsepulchred
unsepulchring
unsepultured
unsequenced
unsequent
unsequential
unsequentially
unsequestered
unseraphic
unseraphical
unseraphically
unsere
unserenaded
unserene
unserenely
unsereneness
unserflike
unserialised
unserialized
unserious
unseriously
unseriousness
unserrate
unserrated
unserried
unservable
unserved
unservice
unserviceability
unserviceable
unserviceableness
unserviceably
unserviced
unservicelike
unservile
unservilely
unserving
unsesquipedalian
unset
unsets
unsetting
unsettle
unsettleable
unsettled
unsettledness
unsettlement
unsettles
unsettling
unsettlingly
unseven
unseverable
unseverableness
unsevere
unsevered
unseveredly
unseveredness
unseverely
unsevereness
unsew
unsewed
unsewered
unsewing
unsewn
unsews
unsex
unsexed
unsexes
unsexing
unsexlike
unsexual
unsexually
unshabbily
unshabby
unshackle
unshackled
unshackles
unshackling
unshade
unshaded
unshadily
unshadiness
unshading
unshadow
unshadowable
unshadowed
unshady
unshafted
unshakable
unshakableness
unshakably
unshakeable
unshakeably
unshaked
unshaken
unshakenly
unshakenness
unshakiness
unshaking
unshakingness
unshaky
unshale
unshaled
unshamable
unshamableness
unshamably
unshameable
unshameableness
unshameably
unshamed
unshamefaced
unshamefacedness
unshameful
unshamefully
unshamefulness
unshammed
unshanked
unshapable
unshape
unshapeable
unshaped
unshapedness
unshapeliness
unshapely
unshapen
unshapenly
unshapenness
unshaping
unsharable
unshareable
unshared
unsharedness
unsharing
unsharp
unsharped
unsharpen
unsharpened
unsharpening
unsharping
unsharply
unsharpness
unshatterable
unshattered
unshavable
unshave
unshaveable
unshaved
unshavedly
unshavedness
unshaven
unshavenly
unshavenness
unshawl
unsheaf
unsheared
unsheathe
unsheathed
unsheathes
unsheathing
unshed
unshedding
unsheer
unsheerness
unsheet
unsheeted
unsheeting
unshell
unshelled
unshelling
unshells
unshelterable
unsheltered
unsheltering
unshelf
unshelved
unshent
unshepherded
unshepherding
unsheriff
unshewed
unshielded
unshieldable
unshielded
unshielding
unshift
unshiftable
unshifted
unshiftiness
unshifting
unshifts
unshifty
unshimmering
unshimmeringly
unshined
unshingled
unshining
unshiny
unship
unshiplike
unshipment
unshippable
unshipped
unshipping
unships
unshipshape
unshipwrecked
unshirked
unshirking
unshirred
unshirted
unshivered
unshivering
unshness
unshockability
unshockable
unshocked
unshocking
unshod
unshodden
unshoe
unshoed
unshoeing
unshook
unshop
unshore
unshored
unshorn
unshort
unshorten
unshortened
unshot
unshotted
unshunted
unshut
unshutter
unshuttered
unshy
unshyly
unshyness
unsibilant
unsiccated
unsiccative
unsick
unsickened
unsicker
unsickered
unsickerly
unsickerness
unsickled
unsickly
unsided
unsidereal
unsiding
unsidling
unsiege
unsieged
unsieved
unsifted
unsighting
unsight
unsightable
unsighted
unsightedly
unsighting
unsightless
unsightlier
unsightliest
unsightliness
unsightly
unsights
unsigmatic
unsignable
unsignaled
unsignalised
unsignalized
unsignalled
unsignatured
unsigned
unsigneted
unsignifiable
unsignificancy
unsignificant
unsignificantly
unsignificative
unsignified
unsignifying
unsilenceable
unsilenceably
unsilenced
unsilent
unsilentious
unsilently
unsilhouetted
unsilicated
unsilicified
unsily
unsilvered
unsimilar
unsimilarity
unsimilarly
unsimmered
unsimmering
unsimpering
unsimple
unsimpleness
unsimplicity
unsimplified
unsimplify
unsimplifying
unsimply
unsimular
unsimulated
unsimulating
unsimulative
unsimultaneous
unsimultaneously
unsimultaneousness
unsin
unsincere
unsincerely
unsincereness
unsincerity
unsinew
unsinewed
unsinewing
unsinewy
unsinful
unsinfully
unsinfulness
unsing
unsingability
unsingable
unsingableness
unsinged
unsingle
unsingled
unsingleness
unsingular
unsingularly
unsingularity
unsingularness
unsinister
unsinisterly
unsinisterness
unsinkability
unsinkable
unsinking
unsinnable
unsinning
unsinningness
unsinuate
unsinuated
unsinunately
unsinuous
unsinuously
unsinuousness
unsiphon
unsipped
unsister
unsistered
unsisterliness
unsisterly
unsisting
unsitting
unsittingly
unsituated
unsizable
unsizableness
unsizable
unsizable
unsizability
unsized
unskaithd
unskaithed
unskeptical
unskeptically
unskepticalness
unskechable
unsketched
unsowed
unsowered
unskilful
unskilfully
unskilfulness
unskill
unskilled
unskilledly
unskilledness
unskillful
unskillfully
unskillfulness
unskimmed
unskin
unskinned
unskirmished
unskirted
unslack
unslacked
unslackened
unslackening
unslacking
unslagged
unslain
unslakable
unslakeable
unslaked
unslammed
unslandered
unslanderous
unslanderously
unslanderousness
unslanted
unslanting
unslapped
unslashed
unslate
unslated
unslating
unslatted
unslaughtered
unslave
unslayable
unsleaved
unsleek
unsleepably
unsleeping
unsleepingly
unsleepy
unsleeve
unsleeved
unslender
unslept
unsliced
unslicked
unsliding
unlighted
unslim
unslimly
unslimmed
unslimness
unsling
unslinging
unslings
unslinking
unslip
unslipped
unslippered
unslippery
unslipping
unslit
unsluckened
unslug
unsloughed
unslouching
unslouchy
unsloughed
unslouthing
unslow
unslowed
unslowly
unslowness
unsluggish
unsluggling
unsluggishly
unsluggishness
unsluice
unsluiced
unslumbering
unslumberous
unslumbery
unslumbrous
unslumped
unslumping
unslung
unslurred
unsly
unstyly
unstylyness
unsmacked
unsmart
unsmarting
unsmartly
unsmartness
unsmashed
unsmear
unsmelled
unsmelling
unsmelted
unsmiled
unsmiling
unsmilingly
unsmilingness
unsmirched
unsmirking
unsmirkingly
unsmitten
unsmocked
unsmokable
unsmokeable
unsmoked
unsmokified
unsmokily
unsmokiness
unsmoking
unsmoky
unsmoldering
unsmooth
unsmoothed
unsmoothened
unsmoothly
unsmoothliness
unsmote
unsmotherable
unsmothered
unsmothering
unsmouldering
unsmoulderingly
unsmudged
unsmuggled
unsmugly
unsmugness
unsmutched
unsmutted
unsmutty
unsnaffled
unsnagged
unsnaggled
unsnaky
unsnap
unsnapped
unsnapping
unsnaps
unsnare
unsnared
unsnarl
unsnarled
unsnarling
unsnarls
unsnatch
unsnatched
unsneaking
unsneaky
unsneck
unsneering
unsneeringly
unsnib
unsnipped
unsnobbish
unsnobbishly
unsnobbishness
unsnoring
unsnouted
unsnaw
unsnubbable
unsnubbed
unsnuffed
unsnug
unsnugly
unsnugness
unsoaked
unsoaped
unsoarable
unsoaring
unsober
unsobered
unsobering
unsoberly
unsoberness
unsoberly
unsobriety
unsociability
unsociable
unsociableness
unsociably
unsocial
unsocialised
unsocialising
unsocialism
unsocialistic
unsociality
unsocializable
unsocialized
unsocializing
unsocially
unsocialness
unsociological
unsociologically
unsocket
unsocketed
unsoddened
unsoft
unsoftened
unsoftening
unsoftly
unsoftness
unsoggy
unsoil
unsoiled
unsoiledness
unsoiling
unsolaced
unsolacing
unsolar
unsold
unsolder
unsoldered
unsoldering
unsolders
unsoldier
unsoldiered
unsoldierlike
unsonable
unsonant
unsonantal
unsoncy
unsonlike
unsonneted
unsonorous
unsonorously
unsonorousness
unsonsie
unsonsy
unsoot
unsoothable
unsoothed
unsoothfast
unsoothing
unsoothingly
unsooty
unsophistic
unsophistical
unsophistically
unsophisticate
unsophisticated
unsophisticatedly
unsophisticatedness
unsophistication
unsophomoric
unsophomorical
unsophomorically
unsoporiferous
unsoporiferously
unsoporiferousness
unsoporific
unsordid
unsordidly
unsordidness
unsore
unsorely
unsorenness
unsorriness
unsorrowed
unsorrowful
unsorrowing
unsorry
unsort
unsortable
unsorted
unsorting
unsotted
unsought
unsoul
unsoulful
unsoulfully
unsoulfulness
unsoulish
unsound
unsoundable
unsoundableness
unsounded
unsounder
unsoundest
unsounding
unsoundly
unsoundness
unsour
unsoured
unsourly
unsourness
unsoused
unsovereign
unsowed
unsown
unspaced
unspacious
unspaciously
unspaciousness
unspaded
unspan
unspanged
unspanked
unspanned
unspanning
unspar
unsparable
unspared
unsparing
unsparingly
unsparingness
unsparkled
unsparkling
unspared
unsparsed
unsparsely
unsparseness
unspasmed
unspasmodic
unspasmodical
unspasmodically
unspatial
unspatiality
unspatially
unspattered
unspawned
unspayed
unspeak
unspeakability
unspeakable
unspeakableness
unspeakably
unspeaking
unspeaks
unspeared
unspecialised
unspecialising
unspecialized
unspecializing
unspecifiable
unspecific
unspecifically
unspecified
unspecifiedly
unspecifying
unspecious
unspeciously
unspeciousness
unspecked
unspeckled
unspectacled
unspectacular
unspectacularly
unspecterlike
unspectrelike
unspeculating
unspeculative
unspeculatively
unspeculatory
unspeed
unspeed
unspeedful
unspeedily
unspeediness
unspeedy
unspeered
unspell
unspirituous
unspissated
unspit
unspited
unspiteful
unspitefully
unspitted
unsplashed
unsplattered
unplayed
unsleemed
unspleened
unspleenish
unspleenishly
unsplendid
unsplendidly
unsplendidness
unsplendorous
unsplendorously
unsplendourous
unsplendourously
unsplenic
unsplenetically
unspliced
unspinted
unsplintered
unsplit
unsplittable
unspoil
unspoilable
unspoilableness
unspoilably
unspoiled
unspoiledness
unspoil
unspoke
unspoken
unspokenly
unsponged
unspongy
unsponsored
unspontaneous
unspontaneously
unspontaneousness
unspookish
unsported
unsportful
unsporting
unsportive
unsportively
unsportiveness
unsportsmanlike
unsportsmanlikeness
unsportsmanliness
unsportsmanly
unspot
unspotlighted
unspottable
unspotted
unspottedly
unspottedness
unspotted
unspoused
unspouselike
unspouted
unsprained
unsprayable
unsprayed
unspread
unspreadable
unspreading
unsprightliness
unsprightly
unspring
unspringing
unspringlike
unsprinkled
unsprinklered
unsprouted
unsproutful
unsprouting
unspruced
unsprung
unspun
unspurious
unspuriously
unspuriousness
unspurned
unspurred
unsputtering
unspying
unsquabbling
unsquandered
unsquarable
unsquare
unsquared
unsquashable
unsquashed
unsqueamish
unsqueamishly
unsqueamishness
unsqueezable
unsqueezed
unsquelched
unsquinting
unsquire
unsquired
unsquere
unsquere-like
unsquirming
unsquirted
unstabbed
unstabilised
unstabilising
unstability
unstabilized
unstabilizing
unstable
unstabled
unstableness
unstabler
unstablest
unstablished
unstably
unstack
unstacked
unstacker
unstacking
unstacks
unstaffed
unstaged
unstaggered
unstaggering
unstagily
unstagniness
unstagnant
unstagnantly
unstagnating
unstagy
unstaid
unstaidly
unstaidness
unstain
unstainable
unstainableness
unstained
unstainedly
unstainedness
unstaled
unstalemed
unstalked
unstalled
unstammering
unstammeringly
unstamped
unstampeded
unstanch
unstanchable
unstanched
unstandard
unstandardisable
unstandardised
unstandardizable
unstandardized
unstanding
unstanzaic
unstapled
unstar
unstarch
unstarched
unstarlike
unstarred
unstarted
unstarting
unstartled
unstartling
unstarved
unstatable
unstate
unstateable
unstated
unstately
unstates
unstatesmanlike
unstatic
unstactical
unstatically
unstating
unstation
unstationary
unstationed
unstatistic
unstatistical
unstatistically
unstatued
unstatuesque
unstatuesquely
unstatuesqueness
unstatutable
unstatutably
unstatutory
unstaunch
unstaunchable
unstaunder
unstavable
unstaveable
unstaved
unstaveable
unstayed
unstayable
unstayed
unstayedness
unstaying
unsteadfast
unsteadfastly
unsteadfastness
unsteadied
unsteadier
unsteadies
unsteadiest
unsteadily
unsteadiness
unsteady
unsteadying
unstealthily
unstealthiness
unstealthy
unsteamed
unsteaming
unsteck
unstecked
unsteek
unsteel
unsteelled
unsteeling
unsteels
unsteep
unsteeped
unsteeped
unsteeped
unsteered
unstemmable
unstemmed
unstentorian
unstentoriously
unstep
unstepped
unstepping
unsteps
unstercorated
unstereotyped
unsterile
unsterilized
unstern
unsternly
unsternness
unstethoscoped
unstewardlike
unstewed
unstick
unsticked
unsticking
unstickingness
unsticks
unsticky
unstiff
unstiffen
unstiffened
unstiffly
unstiffness
unstiffed
unstiffing
unstigmatic
unstigmatised
unstigmatized
unstill
unstilled
unstillness
unstilted
unstimulable
unstimulated
unstimulating
unstimulatingly
unstimulative
unsting
unstinged
unstinging
unstingingly
unstinted
unstintedly
unstinting
unstintingly
unstippled
unstoved
unstow
unstowed
unstraddled
unstrafed
unstraight
unstraightened
unstraightforward
unstraightforwardness
unstraightness
unstrain
unstrained
unstraitened
unstrand
unstranded
unstrange
unstrangely
unstrangeness
unstranglered
unstranged
unstrangled
unstrangulable
unstrap
unstrapped
unstrapping
unstraps
unstrategic
unstrategical
unstrategically
unstratified
unstraying
unstreaked
unstreamed
unstreamed
unstreaming
unstreamlined
unstreng
unstrength
unstrengthen
unstrengthened
unstrengthening
unstrenuous
unstrenuously
unstrenuousness
unstreptitous
unstress
unstressed
unstressedly
unstressedness
unstresses
unstretch
unstretchable
unstretched
unstrewed
unstrenn
unstriated
unstricken
unstrict
unstrictly
unstrictness
unstrictured
unstride
unstrident
unstridently
unstridulating
unstridulous
unstrike
unstriking
unstring
unstringed
unstringent
unstringently
unstringing
unstrings
unstrip
unstriped
unstripped
unstriving
unstroked
unstrong
unstroked
unstructural
unstructurally
unstructured
unstruggling
unstrung
unstubbed
unstubbled
unstubborn
unstubbornly
unstubbornness
unstuccoed
unstuck
unstudded
unstudied
unstudiedness
unstudious
unstudiously
 unstudiousness
 unstuff
 unstuffed
 unstuffily
 unstuffiness
 unstuffing
 unstuffy
 unstultified
 unstultifying
 unstumbling
 unstung
 unstunned
 unstunted
 unstupefied
 unstupid
 unstupidly
 unstupidness
 unsturdily
 unsturdiness
 unsturdy
 unstuttered
 unstuttering
 unsty
 unstyled
 unstylish
 unstylishly
 unstylishness
 unstylized
 unsubdivided
 unsubduable
 unsubduableness
 unsubduably
 unsubducted
 unsubdued
 unsubduedly
 unsubduedness
 unsubject
 unsubjectable
 unsubjected
 unsubjecteedness
 unsubjection
 unsubjective
 unsubjectively
 unsubjectlike
 unsubjugate
 unsubjugated
 unsublimable
 unsublimated
unsublimed
unsubmerged
unsubmergible
unsubmerging
unsubmersible
unsubmission
unsubmissive
unsubmissively
unsubmissiveness
unsubmitted
unsubmitting
unsubordinate
unsubordinated
unsubordinative
unsuborned
unsubpoenaed
unsubrogated
unsubscribed
unsubscribing
unsubscripted
unsubservient
unsubserviently
unsubsided
unsubsidiary
unsubsiding
unsubsidized
unsubstanticed
unsubstantial
unsubstantiality
unsubstantialization
unsubstantialize
unsubstantially
unsubstantialness
unsubstantiable
unsubstantiate
unsubstantiated
unsubstantiation
unsubstantive
unsubstituted
unsubstitutive
unsubtle
unsubtleness
unsubtlely
unsubtly
unsubtractected
unsubtractive
unsubtractive
unsuburban
unsuburbed
unsubventioned
unsubventionized
unsubversive
unsubversively
unsubversiveness
unsubvertable
unsubverted
unsubverte
unsubvertive
unsucceedable
unsucceeded
unsucceeding
unsuccess
unsuccessful
unsuccessfully
unsuccessfulness
unsuccessful
unsuccessively
unsuccessiveness
unsuccinct
unsuccinctly
unsuccorable
unsuccored
unsucculent
unsucculently
unsuccumbing
unsucked
unsuckled
unsued
unsufferable
unsufferableness
unsufferably
unsuffered
unsuffering
unsufficed
unsufficience
unsufficiency
unsufficient
unsufficiently
unsufficing
unsufficingness
unsuffixed
unsufflated
unsuffocate
unsuffocated
unsuffocative
unsuffused
unsuffusive
unsugared
unsugary
unsuggested
unsuggestedness
unsuggestibility
unsuggestible
unsuggesting
unsuggestive
unsuggestively
unsuggestiveness
unsuicidal
unsuicidally
unsuit
unsuitability
unsuitable
unsuitableness
unsuitably
unsuited
unsuitedness
unsuiting
unsulfonated
unsulfureness
unsulfureous
unsulfureousness
unsulfurized
unsulkily
unsulkiness
unsulky
unsullen
unsullenly
unsulliable
unsullied
unsulliedly
unsulliedness
unsulphonated
unsulphureness
unsulphureous
unsulphureousness
unsulphurized
unsultry
unsummable
unsummarisable
unsummarised
unsummarizable
unsummarized
unsummed
unsummered
unsummerlike
unsummerly
unsummonable
unsummoned
unsumptuary
unsumptuous
unsumptuously
unsumptuousness
unsun
unsunburned
unsunburnt
unsundered
unsung
unsunk
unsunken
unsunned
unsunny
unsuperable
unsuperannuated
unsupercilious
unsuperciliously
unsuperciliousness
unsuperficial
unsuperficially
unsuperfluous
unsuperfluously
unsuperfluousness
unsuperior
unsuperiorly
unsuperlative
unsuperlatively
unsuperlativeness
unsupernatural
unsupernaturalize
unsupernaturalized
unsupernaturally
unsupernaturalness
unsuperscribed
unsuperseded
unsuperseding
unsuperstitious
unsuperstitiously
unsuperstitiousness
unsupervised
unsupervisedly
unsupervisory
unsupine
unsupped
unsupplantable
unsupplanted
unsupple
unsuppled
unsupplemental
unsupplementary
unsupplemented
unsuppleness
unsuppliable
unsuppliant
unsuppcicated
unsupplicating
unsupplicatingly
unsupplied
unsupply
unsupportable
unsupportableness
unsupportably
unsupported
unsupportedly
unsuppormented
unsupporting
unsupposible
unsupposable
unsupposed
unsuppositional
unsuppositive
unsuppressed
unsuppressible
unsuppressibly
unsuppression
unsuppressive
unsuppurated
unsuppurative
unsupreme
unsurcharge
unsurcharged
unsure
unsurely
unsureness
unsurety
unsurfaced
unsurfeited
unsurfeiting
unsurgical
unsurgically
unsurging
unsurlily
unsurliness
unsurly
unsurmised
unsurmising
unsurmountable
unsurmountableness
unsurmountably
unsurmounted
unsurnamed
unsurpassable
unsurpassableness
unsurpassably
unsurpassed
unsurpassedly
unsurpassedness
unsurplice
unsurpliced
unsurprise
unsurprised
unsurprisedness
unsurprising
unsurprisingly
unsurrealistic
unsurrealistically
unsurrendered
unsurrendering
unsurrounded
unsurveyable
unsurveyed
unsurvived
unsurviving
unsusceptibility
unsusceptible
unsusceptibleness
unsusceptibly
unsusceptive
unsuspect
unsuspectable
unsuspectably
unsuspected
unsuspectedly
unsuspectedness
unsuspectful
unsuspectfully
unsuspectfulness
unsuspectible
unsuspecting
unsuspectingly
unsuspectingness
unsuspective
unsuspended
unsuspendible
unsuspicion
unsuspicious
unsuspiciously
unsuspiciousness
unsustainability
unsustainable
unsustainably
unsustained
unsustaining
unsutured
unswabbed
unswaddle
unswaddled
unswaddling
unswaggering
unswaggeringly
unswallowable
unswallowed
unswampy
unswanlike
unswapped
unswarming
unswathable
unswathe
unswatheable
unswathed
unswathes
unswathing
unswayable
unswayableness
unswayed
unswayedness
unswaying
unswear
unswearing
unswears
unswear
unserated
unserated
unsearating
unseepable
unseepable
unseep
unseepen
unseepened
unseepenedness
unseepely
unseepeness
unseep
unswelled
unswelling
unsweltered
unsweltering
unswept
unswervable
unswerved
unswerving
unswervingly
unswervingness
unswilled
unswing
unswingled
unswitched
unswivel
unswiveled
unswivelizing
unswollen
unwooning
unswore
unsworn
unswung
unsyllabic
unsyllabicated
unsyllabified
unsyllabled
unsyllogistic
unsyllogistical
unsyllogistically
unsymbolic
unsymbolical
unsymbolically
unsymbolicalness
unsymbolised
unsymmetric
unsymmetrical
unsymmetrically
unsymmetricalness
unsymmetrized
unsymmetry
unsympathetic
unsympathetically
unsympatheticness
unsympathised
unsympathising
unsympathisingly
unsympathizability
unsympathizable
unsympathized
unsympathizing
unsympathizingly
unsympathy
unsymphonious
unsymphoniously
unsymptomatic
unsymptomatical
unsymptomatically
unsynchronised
unsynchronized
unsynchronous
unsynchronously
unsynchronousness
unsyncopated
unsyndicated
unsynonymous
unsynonymously
unsyntactic
unsyntactical
unsyntactically
unsynthesised
unsynthesized
unsynthetic
unsynthetically
unsyntheticness
unsyringed
unsystematic
unsystematical
unsystematically
unsystematicness
unsystematised
unsystematising
unsystematized
unsystematizedly
unsystematizing
unsystemizable
unta
untabernacled
untabled
untabulable
untabulated
untaciturn
untaciturnity
untaciturnly
untack
untacked
untacking
untack
untacked
untackling
untacks
untactful
untactfully
untactfulness
untactical
untactically
untactile
untactual
untactually
untagged
untailed
untailored
untailorlike
untailorly
untaint
untaintable
untainted
untaintedly
untaintedness
untainting
untakable
untakableness
untakeable
untakeableness
untaken
untaking
untalented
untalkative
untalkativeness
untalked
untalking
untall
untallied
untallowed
untaloned
untamable
untamableness
untamably
untame
untameable
untamed
untamedly
untamedness
untamely
untameness
untampered
untangential
untangentially
untangential
untangentially
untangibility
untangible
untangibleness
untangibly
untangle
untangled
untangles
untangling
untanned
untantied
untantied
untantied
untantied
untantied
untap
untaped
untapered
untapering
untapestried
untappable
untapped
untappice
untar
untarnishable
untarnished
untarnishedness
untarnishing
untarred
untarried
untarrying
untartarized
untasked
untasseled
untasselled
untastable
untaste
untasteable
untasted
untasteful
untastefully
untastefulness
untastily
untasting
untasty
untattered
untattooed
untaught
untaughtness
untaught
untaunting
untauntingly
untaut
untautly
untautness
untautological
untautologically
untawdry
untawed
untax
untaxable
untaxed
untaxed
untaxing
unteach
unteachability
unteachable
unteachability
unteachably
unteacherlike
unteaches
unteaching
unteam
unteamed
unteaming
untearable
unteased
unteaseled
unteaselled
unteasled
untechnical
untechnicalize
untechnically
untedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
undedded
untell
untellable
untellably
untelling
untemper
untemperable
untemperamental
untemperamentally
untemperance
untemperate
untemperately
untemperateness
untempered
untempering
untempested
untempestuous
untempestuously
untempestuousness
untempled
untemporal
untemporally
untemporary
untemporizing
untemptability
untemptable
untemptably
untempted
untemptible
untemptibly
untempting
untemptingly
untemptingness
untenability
untenable
untenableness
untenably
untenacious
untenaciously
untenaciousness
untenacity
untenant
untenantable
untenantableness
untenanted
untended
untender
untendered
untenderized
untenderly
untenderness
untenebrous
untenible
untenibleness
untenibly
untense
untensely
untenseness
untensibility
untensible
untensibly
untensile
untensing
untent
untentacled
untentaculate
untented
untentered
untenty
untenuous
untenuously
untenuousness
untermmed
unterminable
unterminableness
unterminably
unterminated
unterminating
unterminational
unterminative
unterraced
untered
unterrestrial
unterrible
unterribly
unterrifiable
unterrific
unterrifically
unterrified
unterrifying
unterrorized
unterrorized
unterse
untersely
unterseness
untesellated
untestable
untestamental
untestamentary
untestate
untested
untestifying
untether
untethered
untethering
untethers
untewed
untextual
untextually
untextural
unthank
unthanked
unthankful
unthankfully
unthankfulness
unthanking
unthatch
unthatched
unthaw
unthawed
unthawing
untheatric
untheatrical
untheatrically
untheistic
untheistical
untheistically
unthemetic
unthematically
unthende
untheologic
untheological
untheologically
untheologize
untheoretic
untheoretical
untheoretically
untheorizable
untherapeutic
untherapeutical
untherapeutically
unthewed
unthick
unthicken
unthickened
unthickly
unthickness
unthievish
unthievishly
unthievishness
unthink
unthinkability
unthinkable
unthinkable
unthinkers
unthinking
unthinkingly
unthinkingness
unthinks
unthinned
unthinning
unthirsting
unthirsty
unthistle
untholeable
untholeably
unthorn
unthorny
unthorough
unthoroughly
unthoroughness
unthoughtful
unthought
unthoughted
unthoughtedly
unthoughtful
unthoughtfully
unthoughtfulness
unthoughtlike
unthral
unthralled
unthrashed
unthread
unthreadable
unthreaded
unthreading
unthreads
unthreatened
unthreatening
unthreateningly
unthreshed
unthrid
untinkered
untinned
untinseled
untinselled
untinted
untippable
untipped
untipped
untipsy
untipt
untirability
untirable
untire
untired
untiredly
untiring
untiringly
untissued
untithability
untithable
untithed
untitillated
untitillating
untitled
untittering
untitular
untitularly
unto
untoadying
untoasted
untogaed
untoggle
untoggler
untoiled
untoiled
untoiling
untold
untolerable
untolerableness
untolerably
untolerated
untolerating
untolerative
untolled
untomb
untombed
untonality
untone
untouchedness
untouching
untough
untoughly
untoughness
untoured
untouristed
untoward
untowardliness
untowardly
untowardness
untowered
untown
untownlike
untoxic
untoxically
untrace
untraceable
untraceableness
untraceably
untraced
untraceried
untracked
untractability
untractable
untractableness
untractably
untractarian
untracted
untractible
untractibleness
untradable
untradeable
untraded
untradesmanlike
untrading
untraditional
untraduced
untraffickable
untrafficked
untragic
untragical
untragically
untragicalness
untrailed
untrailerable
untrailered
untrailing
untrain
untrainable
untrained
untrainedly
untrainedness
untraitored
untraitorous
untraitorously
untraitorousness
untrammed
untrammeled
untrameledness
untrammelled
untramped
untrampled
untrance
untranquil
untranquillize
untranquilized
untranquilizing
untranquillise
untranquillised
untranquillising
untranquillize
untranquilized
untranquilly
untranquillity
untranquillfulness
untransacted
untranscended
untranscendent
untranscendental
untranscendentally
untranscribable
untranscribed
untransferable
untransferred
untransferring
untransfigured
untransfixed
untransformable
untransformative
untransformed
untransforming
untransfused
untransfusible
untransgressed
untransient
untransiently
untransientness
untransitable
untransitional
untransitionally
untransitive
untransitively
untransitiveness
untransitorily
untransitoriness
untransitory
untranslatability
untranslatable
untranslatableness
untranslatably
untranslated
untransmigrated
untransmissible
untransmissive
untransmitted
untransmutability
untransmutable
untransmutableness
untransmutably
untransmuted
untransparent
untransparently
untransparentness
untranspassable
untranspired
untranspiring
untransplanted
untransportable
untransported
untransposed
untransubstantiated
untrappable
untrappable
untrapped
untrashed
untraumatic
untravelable
untraveled
untraveling
untravellable
untravelled
untravelling
untraversable
untraversed
untravestied
untreacherous
untreacherously
untreacherousness
untread
untreadable
untreading
untreads
unreasonable
untreasurable
untreasure
untreased
untreatable
untreatableness
untreatably
untreated
untreed
untrekked
untrellised
untrembling
untremblingly
untremendous
untremendously
untremendousness
untremolant
untremulant
untremulent
untremulous
untremulously
untremulousness
untrenched
untrend
untrepanned
untrespassed
untrespassing
untress
untressed
untriable
untriableness
untriableness
untribal
untribally
untributarily
untributary
untriced
untrickable
untricked
untried
untrifling
untriflingly
unrig
untriggered
untrigonometric
untrigonometrical
untrigonometrically
untrill
untrim
untrimmable
untrimmed
untrimmedness
untrimming
untrims
untrinitarian
unripe
untrippable
untripped
untripping
untrist
unrite
untritely
untriteness
untriturated
untriumphable
untriumphant
untriumphantly
untriumphed
untrivial
untrivially
untrochaic
untrod
untrodden
untroddenness
untrolled
untrophied
untropic
untropical
untropically
untroth
untrotted
untroublable
untrouble
untroubled
untroubledly
untroubledness
untroublesome
untroublesomeness
untrounced
untrowable
untrowed
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant
unruant

untucked
untuckered
untucking
untucks
untufted
untugged
untumbled
untunefied
untumid
untumidity
untumidly
untumidness
untumultuous
untumultuously
untumultuousness
untunable
untunableness
untunably
untune
untuneable
untuneableness
untuneably
untuned
untuneful
untunefully
untunefulness
untunes
untuning
untunneled
untunnelled
untupped
unturbaned
unturbid
unturbidly
unturbulent
unturbulently
unturf
unturfed
unturgid
unturgidly
unturn
unturnable
unturned
unturning
unturpentined
unturreted
untusked
untutelar
untutelary
untutored
untutoredly
untutoredness
untwilled
untwinable
untwind
untwine
untwineable
untwined
untwines
untwining
untwinkled
untwinkling
untwinned
untwirl
untwirled
untwirling
untwist
untwistable
untwisted
untwister
untwisting
untwists
untwitched
untwitching
untwisten
untwining
untwistable
untwisted
untwister
untwisting
untwists
untwinkled
untwinkling
untwinned
untwirl
untwirled
untwirling
untwist
untwistable
untwisted
untwister
untwisting
untwists
untwitched
untwitching
untwisten
untwining
untwistable
untwisted
untwister
untwisting
untwists
untwinkled
untwinkling
untwinned
untwirl
untwirled
untwirling
untwist
untwistable
untwisted
untwister
untwisting
untwists
untwitched
untwitching
untwisten
untwining
untwistable
untwisted
untwister
untwisting
untwists
untwinkled
untwinkling
untwinned
untwirl
untwirled
untwirling
untwist
untwistable
untwisted
untwister
untwisting
untwists
untwitched
untwitching
untwisten
untwining
untwistable
untwisted
untwister
untwisting
untwists
untwinkled
untwinkling
untwinned
untwirl
untwirled
untwirling
untwist
untwistable
untwisted
untwister
untwisting
untwists
untwitched
untwitching
untwisten
untwining
untwistable
untwisted
untwister
untwisting
untwists
untwinkled
untwinkling
untwinned
untwirl
untwirled
untwirling
untwist
untwistable
untwisted
untwister
untwisting
untwists
untwitched
untwitching
untwisten
untwining
untwistable
untwisted
untwister
untwisting
untwists
untwinkled
untwinkling
untwinned
untwirl
untwirled
untwirling
untwist
untwistable
untwisted
untwister
untwisting
untwists
untwitched
untwitching
untwisten
untwining
untwistable
untwisted
untwister
untwisting
untwists
untwinkled
untwinkling
untwinned
untwirl
untwirled
untwirling
untwist
untwistable
untwisted
untwister
untwisting
untwists
untwitched
untwitching
untwisten
untwining
untwistable
untwisted
untwister
untwisting
untwists
untwinkled
untwinkling
untwinned
untwirl
untwirled
untwirling
untwist
untwistable
untwisted
untwister
untwisting
untwists
untwitched
untwitching
untwisten
untwining
untwistable
untwisted
untwister
untwisting
untwists
untwinkled
untwinkling
untwinned
untwirl
untwirled
untwirling
untwist
untwistable
untwisted
untwister
untwisting
untwists
untwitched
untwitching
untwisten
untwining
untwistable
untwisted
untwister
untwisting
untwists
untwinkled
untwinkling
untwinned
untwirl
untwirled
untwirling
untwist
untwistable
untwisted
untwister
untwisting
untwists
untwitched
untwitching
untwisten
untwining
untwistable
untwisted
untwister
untwisting
untwists
untwinkled
untwinkling
untwinned
untwirl
untwirled
untwirling
untwist
untwistable
untwisted
untwister
untwisting
untwists
untwitched
untwitching
untwisten
untwining
untwistable
untwisted
untwister
untwisting
untwists
untwinkled
untwinkling
untwinned
untwirl
untwirled
untwirling

unum
unumpired
ununanimity
ununanimous
ununanimously
ununderstandability
ununderstandable
ununderstandably
ununderstanding
ununderstood
unundertaken
unundulatory
ununifiable
ununified
ununiform
ununiformed
ununiformity
ununiformly
ununiformness
ununionized
ununique
ununiquely
ununiqueness
ununitable
ununitableness
ununitably
ununited
ununiting
ununiversity
ununiversitylike
unupbraided
unupbraiding
unupbraidingly
unupdated
unupholstered
unupright
unuprightly
unuprightness
unupset
ununsettable
unurban
unurbane
unurbanely
unurbanized
unured
unurged
unurgent
unurgently
unurging
unurn
unurned
unusability
unusable
unusableness
unusably
usage
unuse
unuseable
unuseableness
unuseably
unused
unusedness
unuseful
unusefully
unusefulness
unushered
unusual
unusuality
unusually
unusualness
unusrurious
unusruously
unusruriousness
un usurped
un usurping
unutilitarian
unutilizable
unutilized
unutterability
unutterable
unutterableness
unutterably
unuttered
unuxorial
unuxorious
unuxoriously
unuxoriousness
unvacant
unvacantly
unvacated
unvaccinated
unvacillating
unvacuous
unvacuously
unvacuousness
unvagrant
unvagrantly
unvagrantness
unvague
unvaguely
unvagueness
unavailable
unvain
unvainly
unvainness
unvaleted
unvaletudinary
unvaliant
unvaliantly
unvaliantness
unvalid
unvalidated
unvalidating
unvalidity
unvalidly
unvalidness
unvalorous
unvalorously
unvalorousness
unvaluable
unvaluableness
unvaluably
unvalue
unvalued
unvamped
unvanishing
unvanquishable
unvanquished
unvanquishing
unvantaged
unvaporized
unvaporosity
unvaporous
unvaporously
unvaporousness
unvariable
unvariableness
unvariably
unvariant
unvariation
unvaried
unvariedly
unvariegated
unvarnished
unvarnishedly
unvarnishedness
unvarying
unvaryingly
unvaryingness
unvascular
unvascularly
unvascularly
unvassal
unvatted
unvaulted
unvaulting
unvaulted
unvaunting
unvauntingly
unveering
unveeringly
unvehement
unvehemently
unveil
unveiled
unveiledly
unveiledness
unveiler
unveiling
unveilment
unveils
unveined
unvelvety
unvenal
unvendable
unvendableness
unvended
unvendible
unvendibleness
unveneered
unvenerability
unvenerable
unvenerableness
unvenerably
unvenerated
unvenerative
unvenereal
unvenged
unvengeful
unveniable
unvenial
unveniality
unvenially
unvenialness
unvenom
unvenomed
unvenomous
unvenomously
unvenomousness
unventable
unvented
unventilated
unventured
unventuresome
unventurous
unventurously
unventurousness
unvenued
unveracious
unveraciously
unveraciousness
unveracity
unverbal
unverbalized
unverbally
unverbose
unverbosely
unverboseness
unverdant
unverdantly
unverdured
unverdurness
unverdurous
unverdurousness
unveridic
unveridical
unveridically
unverifiability
unverifiable
unverifiableness
unverifiably
unverificative
unverified
unverifiedness
unverifiable
unveritableness
unveritably
unverity
unvermiculated
unverminous
unverminously
unverminousness
unvernacular
unvernacular
unversatile
unversatilere
unversatileness
unversatility
unversed
unversedly
unversedness
unversified
unvertebrate
unvertical
unvertically
unvertiginous
unvertiginously
unvertiginousness
unvesiculated
unvessel
unvesseled
unvest
unvested
unvetoed
unvexatious
unvexatiously
unvexatiousness
unvexed
unvext
unviable
unvibrant
unvibrantly
unvibrated
unvibrating
unvibrational
unvicar
unvicarious
unvicariously
unvicariousness
unvicious
unviciously
unviciousness
unvictimizened
unvictorious
unvictualiaded
unvictualiaded
unviewable
unviewed
unvigilant
unvigilantly
unvigorous
unvigorously
unvigorousness
unvilified
unvillaged
unvillainous
unvillainously
unvincible
unvindicable
unindicated
unindictive
unindictively
unindictiveness
unvinous
unvintaged
unviolate
unviolated
unviolative
unviolenced
unviolent
unviolently
unviolined
unvirgin
unvirginal
unvirginlike
unvirile
unvirility
unvirtue
unvirtuous
unvirtuously
unvirtuousness
unvirulent
unvirulently
unvisceral
unvisible
unvisibleness
unvisibly
unvision
unvisionary
unvisioned
unvisitable
unvisited
unvisiting
unvisor
unvisored
unvistaed
unvisual
unvisualised
unvisualized
unvisually
unvital
unvitalized
unvitalizing
unvitaly
unvitalness
unvitiable
unvitated
unvitatedly
unvitiatedness
unvitiating
unvitreosity
unvitreous
unvitreously
unvitreousness
unvitrescent
unvitrescibility
unvitrescible
unvitrifiable
unvitrified
unvitrilized
unvituperated
unvituperative
unvituperatively
unvituperativeness
unvivacious
unvivaciously
unvivaciousness
unvivid
unvividly
unvividness
unvivified
unvizard
unvizarded
unvizored
unvocable
unvocal
unvocalised
unvocalized
unvociferous
unvociferously
unvociferousness
unvoice
unvulcanized
unvulgar
unvulgarise
unvulgarised
unvulgarising
unvulgarize
unvulgarized
unvulgarizing
unvulgarly
unvulgarness
unvulnerable
unvulturine
unvulturous
unvying
unwadable
unwadded
unwaddling
unwadeable
unwaded
unwading
unwafted
unwaged
unwagered
unwaggable
unwaggably
unwagged
unwailed
unwailing
unwainscoted
unwainscotted
unwaited
unwaiting
unwaivable
unwaived
unwaked
unwakeful
unwakefully
unwakefulness
unwakened
unwakening
unwaking
unwalkable
unwalked
unwalking
unwall
unwalled
unwallet
unwallowed
unwan
unwandered
unwandering
unwanderingly
unwaned
unwaning
unwanted
unwanton
unwarbled
unwarded
unware
unwarely
unwareness
unwares
unwarier
unwariest
unwarily
unwariness
unwarlike
unwarlikeness
unwarm
unwarmable
unwarmed
unwarning
unwarn
unwarned
unwarnedly
unwarnedness
unwarning
unwarnished
unwarp
unwarpable
unwarped
unwarping
unwarranness
unwarrant
unwarrantability
unwarrantable
unwarrantableness
unwarrantably
unwarrantableness
unwarranted
unwarrantedly
unwarrantedness
unwarried
unwarred
unwarren
unwary
unwashable
unwashed
unwashedness
unwasheds
unwashen
unwassailing
unwastable
unwasted
unwasteful
unwastefully
unwastefulness
unwasting
unwastingly
unwatchable
unwatched
unwatchful
unwatchfully
unwatchfulness
unwatching
unwater
unwatered
unwaterlike
unwatermarked
unwatery
unwattled
unwaved
unwaiverable
unwavered
unwavering
unwaveringly
unwaving
unwax
unwaxed
unwayed
unwayward
unweaken
unweakened
unweakening
unweal
unwealsomeness
unwealthy
unweaned
unweapon
unweaponed
unwearable
unwearably
unweariability
unwearable
unwelcome
unwelcomed
unwelcomely
unwelconeness
unwelcoming
unweld
unweldable
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwelked
unwell
unwellness
unwelting
unweld
unwelde
unwhitewashed
unwhole
unwholesome
unwholesomely
unwholesomeness
unwicked
unwickedly
unwickedness
unwidened
unwidowed
unwield
unwieldable
unwieldier
unwieldiest
unwieldily
unwieldiness
unwieldy
unwieldsome
unwieldy
unwifed
unwifelike
unwifely
unwig
unwigged
unwigging
unwild
unwildly
unwildness
unwilful
unwilfully
unwilfulness
unwilier
unwilily
unwiliness
unwill
unwillable
unwille
unwilled
unwilledness
unwilful
unwilfully
unwilfulness
unwilling
unwillingly
unwillingness
unwilted
unwirting
unwily
unwimple
unwincing
unwincingly
unwind
unwindable
unwinded
unwinder
unwinders
unwinding
unwindingly
unwindowed
unwinds
unwindy
unwingable
unwinged
unwink
unwinking
unwinkingly
unwinly
unwinnable
unwinning
unwinnowed
unwinsome
unwinter
unwintry
unwiped
unwirable
unwire
unwired
unwisdom
unwisdoms
unwise
unwisely
unwiseness
unwiser
unwisest
unwish
unwished
unwishes
unwishful
unwishfully
unwishfulness
unwishing
unwist
unwistful
unwistfully
unwistfulness
unwit
unwitch
unwitched
unwithdrawable
unwithdrawning
unwithdrawn
unwitherable
unwithered
unwithering
unwithheld
unwithholden
unwithholding
unwithstanding
unwithstood
unwitless
unwitnessed
unwits
unwitted
unwittily
unwitting
unwittingly
unwittingness
unwitty
unwive
unwived
unwoeful
unwoefully
unwoefulness
unwoeful
unwoman
unwomanish
unwomanize
unwomanized
unwomanlike
unwomanliness
unwomanly
unwomb
unwon
unwonder
unwonderful
unwonderfully
unwondering
unwont
unwonted
unwontedly
unwontedness
unwooed
unwoof
unwooly
unwordable
unwordably
unworded
unwordily
unwordy
unwork
unworkability
unworkable
unworkableness
unworkably
unworked
unworkedness
unworker
unworking
unworkmanlike
unworkmanly
unworld
unworldliness
unworldly
unwormed
unworminess
unwormy
unworn
unworried
unworriedly
unworriedness
unworship
unworshiped
unworshipful
unworshiping
unworshipped
unworshipping
unworth
unworthier
unworthies
unworthiest
unworthily
unworthiness
unworthy
unwotting
unwound
unwoundable
unwoundableness
unwounded
unwove
unwoven
unwrangling
unwrap
unwrapped
unwrapper
unwrappered
unwrapping
unwraps
unwrathful
unwrathfully
unwrathfulness
unwreaked
unwreaken
unwreathe
unwreathe
unwreathing
unwrecked
unwrench
unwrenched
unrest
unwrested
unwrestedly
unwresting
unwrested
unwretched
unwriggled
unwrinkle
unwrinkleable
unwrinkled
unwrinkles
unwrinkling
unwrit
unwritable
unwrite
unwriteable
unwriting
unwritten
unwoken
unwronged
unwrongful
unwrongfully
unwrongfulness
unwrote
unwrought
unwrung
unwry
unwwove
unwwoven
unyachtsmanlike
unyeaned
unyearned
unyearning
unyielded
unyielding
unyieldingly
unyieldingness
unyoke
unyoked
unyokes
unyoking
unyolden
unyoung
unyouthful
unyouthfully
unyouthfulness
unze
unzealous
unzealously
unzealousness
unzen
unzephyrlike
unzip
unzipped
unzipping
unzips
unzone
unzoned
unzoning
up
upaisle
upaiithric
upalley
upalong
upanaya
upanayana
upanishad
upanishadic
upapurana
uparch
uparching
uparise
uparm
uparna
upas
upases
upattic
upavenue
upaya
upbred
upbreed
upbreeze
upbrighten
upbrim
upbring
upbringing
upbristle
upbroken
upbrook
upbrought
upbrow
upbubble
upbuild
upbuilder
upbuilding
upbuilds
upbuilt
upbulging
upbuoy
upbuoyance
upbuoying
upburn
upburst
upbuy
upby
upbye
upcall
upcanal
upcanyon
upcard
upcarry
upcast
upcasted
upcasting
upcasts
upcatch
upcaught
upchamber
upchannel
upchariot
upchaunce
upcheer
upchimney
upchoke
upchuck
upchucked
upchucking
upchucks
upcity
upclimb
upclimbed
upclimber
upclimbing
upclimbs
upclose
upcloser
upcoast
upcock
upcoil
upcoiled
upcoiling
upcoils
upcolumn
upcome
upcoming
upconjure
upcountry
upcourse
upcover
upcrane
upcrawl
upcreek
upcreep
upcrop
upcropping
upcrowd
upcry
upcurl
upcurled
upcurling
upcurls
upcurrent
upcurve
upcurved
upcurves
upcurving
upcushion
upcut
upcutting
updart
updated
updating
updarts
updatable
update
updated
updater
updaters
updates
updating
updeck
updelve
updive
updived
updives
updiving
updo
updome
updos
updove
updraft
updrafts
updrag
updraught
updraw
updress
updried
updries
updrink
updry
updrying
upeat
upend
upended
upending
upends
uperize
upeygan
upfeed
upfield
upfill
upfingered
upflame
upflare
upflash
upflee
upflicker
upfling
upflinging
upflings
upfloat
upflood
upflow

Open Source Used In CSPC_Collector 2.9.1 16719
upflowed
upflower
upflowing
upflows
upflung
uptly
upfold
upfolded
upfolding
upfolds
upfollow
upframe
upfurl
upgale
upgang
upgape
upgather
upgathered
upgathering
upgathers
upgaze
upgazed
upgazes
upgazing
upget
upgird
upgirded
upgirding
upgirds
upgirt
upgive
upglean
upglide
upgo
upgoing
upgorge
upgrade
upgraded
upgrader
upgrades
upgrading
upgrave
upgrew
upgrow
upgrowing
upgrown
upgrows
upgrowth
upgrowths
upgully
upgush
uphale
uphand
uphang
upharbor
upharrow
upharsin
uphasp
upheal
upheap
upheaped
upheaping
upheaps
uphearted
upheaval
upheavalist
upheavals
upheave
upheaved
upheaven
upheaver
upheavers
upheaves
upheaving
upheld
uphelm
uphelya
upher
upholve
uphill
uphills
uphillward
uphoard
uphoarded
uphoarding
uphoards
uphoist
uphold
upholden
upholder
upholders
upholding
upholds
upholster
upholstered
upholsterer
upholsterers
upholsteress
upholsteries
upholstering
upholsterous
upholsters
upholstery
upholsterydom
upholstress
uphove
uphroe
uphoes
uphung
uphurl
upisland
upjerk
upjet
upkeep
upkeeps
upkindle
upknell
upknit
upla
upladder
uplaid
uplake
upland
uplander
uplanders
uplandish
uplands
uplane
uplay
uplead
uplean
upleap
upleaped
upleaping
upleaps
upleaps
upleapt
upleg
uplick
uplift
uplitable
uplifted
upliftedly
upliftedness
uplifter
uplifters
uplifting
upliftingly
upliftingness
upliftitis
upliftment
uplifts
uplight
uplighted
uplighting
uplights
uplimb
uplimber
upline
uplink
uplinked
uplinking
uplinks
uptit
upload
uploadable
uploaded
uploading
uploads
uplock
uplong
uplook
uplooker
uploom
uploop
uplying
upmaking
upmanship
upmast
upmix
upmost
upmount
upmountain
upmove
upness
upo
upon
uppard
upbad
upped
uppent
upper
uppercase
upperch
upperclassman
upperclassmen
uppercut
uppercuts
uppercutted
uppercutting
upperer
upperest
upperhandism
uppermore
uppermost
upperpart
uppers
upperstocks
uppertendom
upperworks
uppile
uppiled
upplies
uppiling
upping
uppings
uppish
uppishly
uppishlyness
uppity
uppityness
upplough
upplow
uppluck
uppoint
uppoise
uppop
uppour
uppowoc
upprick
upprop
uppropped
uppropping
upprops
uppuff
uppull
uppush
upquiver
upraisal
upraise
upraised
upraiser
upraisers
upraises
upraising
upraught
upreach
upreached
upreaches
upreaching
uprear
upreared
uprearing
uprears
uprein
uprend
upreneur
uprest
uprestore
uprid
upridge
upright
uprighted
uprighteous
uprighteously
uprighteousness
uprighting
uprightish
uprightly
uprightman
uprightness
uprights
uprip
uprisal
uprise
uprisement
uprisen
upriser
uprisers
uprisers
uprising
uprising's
uprisings
uprist
uprive
upriver
uprivers
uproad
uproar
uproarer
uproariness
uproarious
uproariously
uproariousness
uproars
uproom
uproot
uprootal
uprootals
uprooted
uprootedness
uprooter
uprooters
uprooting
uproots
uprose
uprouse
uproused
uproused
uprousers
uprousing
uproute
uprun
uprush
uprushed
uprushes
uprushing
ups
upsadaisy
upsaddle
upscale
upscrew
upscuddle
upseal
upsedoun
upseek
upsize
upsend
upsending
upsends
upsent
upset
upsetment
upsets
upsettable
upsettal
upsetted
upsetter
upsetters
upsetting
upsettingly
upsey
upshaft
upshear
upsheath
upshift
upshifted
upshifting
upshifts
upshoot
upshooting
upshoots
upshore
upshot
upshot's
upshots
upshoulder
upshove
upshut
upsidaisy
upside
upsides
upsighted
upsiloid
upsilon
upsilonism
upsilons
upsit
upsitten
upsitting
upskip
upslant
upslip
upslope
upsloping
upsmite
upsnatch
upsoak
upsoar
upsoared
upsoaring
upsoars
upsolve
upspeak
upspear
upspeed
upstem
upstep
upstepped
upstepping
upsteps
upstick
upstir
upstirred
upstirring
upstirs
upstood
upstraight
upstream
upstreamward
upstreet
upstretch
upstretched
upstrike
upstrive
upstroke
upstrokes
upstruggle
upsuck
upsun
upsup
upsurge
upsurged
upsurgence
upsurges
upsurging
upswallow
upswarm
upsway
upsweep
upsweeping
upsweeps
upswell
upswelked
upswelling
upswells
upswept
upswing
upswinging
upswings
upswoleen
upswung
upsy
uptable
uptake
uptaker
uptakes
uptear
uptearing
uptears
uptemper
uptend
upthrew
upthrow
upthrowing
upthrown
upthrows
upthrust
upthrusted
upthrusting
upthrusts
upthunder
uptide
uptie
uptight
uptightness
uptill
uptilt
uptilted
uptilting
uptilts
uptime
uptimes
uptore
uptorn
uptoss
uptossed
uptosses
uptossing
uptower
uptown
uptowner
uptowners
uptowns
uptrace
uptrack
uptrail
uptrain
uptree
uptrend
uptrends
uptrill
uptrunk
uptruss
uptore
uptorn
uptube
uptuck
upturn
upturned
upturning
upturns
uptwined
uptwist
upwpoid
upvalley
upvomit
upwaft
upwafted
upwafting
upwafts
upwall
upward
upwardly
upwardness
upwards
upwarp
upwax
upway
upways
upwell
upwelled
upwelling
upwells
upwent
upwheel
upwhelm
upwhir
upwhirl
upwind
upwinds
upwith
upwork
upwound
upwrap
upwreathe
upwrench
upwring
upwrought
upward
upyoke
ur
ura
urachal
urachovesical
urachus
uracil
uracils
uraei
uraemia
uraemias
uraemic
uraeus
uraeuses
ural
urali
uralian
uralic
uraline
uralite
uralites
uralitic
uralitization
uralitize
uralitized
uralitizing
uralium
uramido
uramil
uramilic
uramino
uran
uranalyses
uranalysis
uranate
urania
uranian
uranic
uranide
uranides
uranidin
uranidine
uraniferous
uraniid
uranin
uranine
uraninite
uranion
uraniscochasma
uraniscoplasty
uraniscoraphy
uraniscorrhaphy
uraniscus
uranism
uranisms
uranist
uranite
uranites
uranitic
uranium
uraniums
uranocircite
uranographer
uranographic
uranographical
uranographist
uranography
uranolatry
uranolite
uranological
uranologies
uranologist
uranology
uranometria
uranometrical
uranometrist
uranometry
uranophane
uranophobia
uranophotography
uranoplasic
uranoplasty
uranoplegia
uranorrhaphia
uranorrhaphy
uranoschisis
uranoschism
uranoscope
uranoscopy
uranospathite
uranospherite
uranospinite
uranostaphyloplasty
uranostaphylorrhaphy
uranotantalite
uranothallite
uranotherite
uranotil
uranous
uranus
uranyl
uranylic
uranyls
urao
ure
urare
urares
urari
uraris
urase
urases
urataemia
urate
uratemia
urates
uratic
uratoma
uratosis
uraturia
urazin
urazine
urazole
urb
urbacity
urbainite
urban
urbana
urbane
urbanely
urbaneness
urbaner
urbanest
urbanisation
urbanise
urbanised
urbanises
urbanising
urbanism
urbanisms
urbanist
urbanistic
urbanistically
urbanists
urbanite
urbanites
urbanities
urbanity
urbanization
urbanize
urbanized
urbanizes
urbanizing
urbanolatry
urbanologist
urbanologists
urbanology
urbanial
urban
urbic
urbicolous
urbiculture
urbification
urbify
urbinate
urbs
urceiform
urceolar
urceolate
urceole
urceoli
urceolus
urceus
urchin
urchin's
urchiness
urchinlike
urchinly
urchins
urd
urde
urdee
urds
urdu
urdy
ure
urea
ureal
ureameter
ureametry
ureas
urease
ureases
urechitin
urechitoxin
uredema
uredia
uredial
uredidia
uredidinia
uredine
uredineal
uredineous
uredines
uredinia
uredinal
urediniospore
urediniosporic
uredinium
uredinoid
uredinologist
uredinology
uredinous
urediospore
uredium
uredo
uredos
uredosorus
uredospore
uredosporic
uredosporiferous
uredosporous
uredostage
ureic
ureid
ureide
ureides
ureido
uremia
uremias
uremic
urena
urent
ureometer
ureometry
ureosecretory
ureotelic
ureotelism
uresis
uretal
ureter
ureteral
ureteralgia
ureterectoscope
ureterectasia
ureterectomy
ureteric
ureteritis
ureterocele
ureterocervical
ureterocolostomy
ureterocystanastomosis
ureterocystoscope
ureterocystostomy
ureterodialysis
ureteroenteric
ureteroenterostomy
ureterogenous
ureterogram
ureterograph
ureterography
ureterointestinal
ureterolith
ureterolithiasis
ureterolithic
ureterolithotomies
ureterolithotomy
ureterolysis
ureteronephrectomy
ureterophlegma
ureteroplasty
ureteroproctostomy
ureteropyelitis
ureteropyelogram
ureteropyelography
ureteropyelonephritis
ureteropyelostomy
ureteropyosis
ureteroradiography
ureterorectostomy
ureterorrhagia
ureterorrhaphy
ureterosalpingostomy
ureterosigmoidostomy
ureterostegnosis
ureterostenoma
urethrorrhea
durethroscope
durethrosopic

durethrosopical

durethroscoy

durethroseual

durethropasm

durethrostaxis

durethrostenosis

durethrostomy

durethrotome

durethrotomic

durethrotomy

durethrovaginal

durethovesical

durethylan

durethylene

durf

durfiris

durge

durged

durgeful

durgence

durgencies

durgency

durgent

durgently

durgentness

durger

durger

durges

during

durgingly

durgings

durheen

dural

duric

duricacidemia

duricaciduria

duricaemia

duricaemiac

duristic

duricemia

duristic

duricolydis

duricolytic

duriconian

uricosuric
uricotelic
uricotelism
uridine
uridines
uridrosis
uriel
urim
urinaemia
urinaemic
urinal
urinalist
urinals
urinalyses
urinalysis
urinant
urinaries
urinarium
urinary
urinate
urinated
urinates
urinating
urination
urinative
urinator
urine
urinemias
urinemic
urines
uriniferous
uriniparous
urinocryoscopy
urinogenital
urinogenitary
urinogenous
urinologist
urinology
urinomancy
urinometer
urinometric
urinometry
urinoscopic
urinoscopies
urinoscopist
urinoscopy
urinose
urinosexual
urinous
urinousness
urite
urlar
urled
urling
urluch
urman
urn
urn's
urna
urnae
urnal
urnfield
urnflower
urnful
urnfuls
urning
urningism
urnism
urnlike
urnmaker
urns
uroacidimeter
uroazotometer
urobenzoic
urobilin
urobilinemia
urobilinogen
urobilinogenuria
urobilinuria
urocanic
urocele
urocerid
urochloralic
urochord
urochordal
urochordate
urochords
urochrome
urochromogen
urochs
urocyanogen
urocyst
urocystic
urocystitis
urodaeum
urodelan
urodele
urodeles
urodelous
urodialysis
urodynia
uroedema
uroerythrin
urofuscohematin
urogaster
urogastric
urogenic
urogenital
urogenitary
urogenous
uroglaucin
urogomphi
urogomphus
urogram
urography
urogravimeter
urohaematin
urohematin
urohyal
urokinase
urol
urolagnia
uroleucic
uroleucinic
urolith
urolithiasis
urolithic
uro lithology
urooliths
urologic
urological
urologies
urologist
urologists
urology
urolutein
urolytic
uromancy
uromantia
uromantist
uromelanin
uromelus
uromere
uromeric
urometer
uronephrosis
uronic
uronology
uroo
uroodal
uropatagium
urophaein
urophanic
urophanous
urophein
urophi
urophobia
urophthisis
uroplania
uropod
uropodal
uropodous
uropods
uropoetic
uropoiesis
uropoietic
uroporphyrin
uropsile
uroptysis
uropygial
uropygium
uropyloric
urorosein
urorrhagia
urorrhea
urorubin
urosaccharometry
urosacral
uroschesis
uroscopic
uroscopies
uroscopist
uroscopy
urosepsis
uroseptic
uros
urosomatic
urosomal
urosome
urosomite
urosomitic
urosomitic
urostea
urticarious
urticate
urticated
urticates
urticating
urtication
urticose
urtite
urubu
urucu
urucum
urucuri
urucury
uruguay
uruguyan
uruguyans
uruisg
urunday
urus
uruses
urushi
urushic
urushinic
urushiol
urushiols
urushiye
urutu
urva
us
usa
usability
usable
usableness
usably
usage
usager
usages
usance
usances
usant
usar
usara
usaron
usation
usaunce
usaunces
use
useability
useable
useably
used
usedly
usedness
usednt
usee
useful
usefullish
usefully
usefulness
usehold
useless
uselessly
uselessness
usenet
usent
user
user's
users
uses
ush
ushabti
ushabtis
ushabtiu
ushas
usher
usherance
usherdom
ushered
usherer
usheress
usherette
usherettes
usherian
ushering
usherism
usherless
ushers
ushership
usine
using
usings
usitate
usitative
usnea
usneaceous
usneas
usneoid
usnic
usnin
usninic
uspeaking
uspoke
usspoken
usquabae
usquabaes
usque
usquebae
usquebaes
usquebaugh
usques
usself
ussels
usselven
ussingite
ussr
ust
uster
ustilaginaceous
ustilagineous
ustilago
ustion
ustorious
ustulate
ustulation
usu
usual
usualism
usually
usualness
usuals
usuary
usucapient
usucapion
usucapionary
usucapt
usucaptable
usucaptible
usucaption
usucaptor
usufruct
usufructs
usufructuaries
usufructuary
usufruit
utensils
uteralgia
uterectomy
uteri
uterine
uteritis
utero
uteroabdominal
uterocele
uterocervical
uterocystotomy
uterofixation
uterogestation
uterogram
uterography
uterointestinal
uterolith
uterology
uteromania
uteromaniac
uteromaniacal
uterometer
uteroovarian
uteroparietal
uteropelvic
uteroperitoneal
uteropexia
uteropexy
uteroplacental
uteroplasty
uterosacral
utersclerosis
uteroscope
uterotomy
uterotonic
uterotubal
uterovaginal
uteroventral
uterovesical
uterus
uteruses
utfangenethef
utfangethef
utfangthef
utfangthief
uther
uti
utible
utick
util
utile
utilidor
utilidors
utilise
utilised
utiliser
utilisers
utilises
utilising
utilitarian
utilitarianism
utilitarianist
utilitarianize
utilitarianly
utilitarians
utilities
utility
utility's
utilizability
utilizable
utilization
utilization's
utilizations
utilize
utilized
utilizer
utilizers
utilizes
utilizing
utinam
utlagary
utilized
utmost
utmostness
utmosts
utopia
utopian
utopian's
utopianism
utopianist
utopianize
utopianizer
utopians
utopias
utopiast
utopism
utopisms
utopist
utopistic
utopists
utopographer
utraquist
utraquistic
utecht
uticle
uticles
utricul
utricular
utricularia
utriculate
utriculi
utriculiferous
utriculiform
utriculitis
utriculoid
utriculoplastic
utriculoplasty
utriculosaccular
utriculose
utriculus
utriform
utrubi
utrum
uts
utsuk
utter
utterability
utterable
utterableness
utterance
utterance's
utterances
utterancy
uttered
utterer
utterers
utterest
uttering
utterless
utterly
uttermost
utterness
utters
utu
utum
uturuncu
uucpnet
uva
uval
uvala
uvalha
uvanite
uvarovite
uvate
uvea
uveal
uveas
uveitic
uveitis
uveitises
uveous
uvic
uvid
uviol
uvitic
uvitinic
uvito
uvitonic
uvre
uvres
uvrou
uvula
uvulae
uvular
uvularia
uvularly
uvulars
uvulas
uvulatomies
uvulatomy
uvulectomies
uvulectomy
uvulitis
uvulitises
uvuloptosis
uvulotome
uvulotomies
uvulotomy
uvver
ux
uxorial
uxoriality
uxorially
uxoricidal
uxoricide
uxorilocal
uxorious
uxoriously
uxoriousness
uxoris
uzan
uzara
uzarin
uzaron
uzbek
v
v's
va
vaad
vaadim
vaagmaer
vaagmar
vaagmer
vaalite
vac
vacabond
vacance
vacancies
vacancy
vacancy's
vacandi
vacant
vacante
vacanthearted
vacantheartedness
vacantia
vacantly
vacanttiness
vacantry
vacatable
vacate
vacated
vicates
vacating
vacation
vacational
vacationed
vacationer
vacationers
vacationing
vacationist
vacationists
vacationland
vacationless
vacations
vacatur
vaccary
vaccenic
vaccicide
vaccigenous
vaccina
vaccinable
vaccinal
vaccinas
vaccinate
vaccinated
vaccinates
vaccinating
vaccination
vaccinationist
vaccinations
vaccinator
vaccinators
vaccinatory
vaccine
vaccinee
vaccinella
vaccines
vaccinia
vacciniaceous
vaccinial
vaccinias
vaccinifer
vacciniform
vacciniola
vaccinist
vaccinium
vaccinization
vaccinogenic
vaccinogenous
vaccinoid
vaccinophobia
vaccinotherapy
vache
vacherin
vachette
vacillancy
vacillant
vadis
vadium
vadose
vady
vafrous
vag
vagabond
vagabond's
vagabondage
vagabondager
vagabonded
vagabondia
vagabonding
vagabondish
vagabondism
vagabondismus
vagabondize
vagabondized
vagabondizer
vagabondizing
vagabondry
vagabonds
vagal
vagally
vagancy
vagant
vaganti
vagarian
vagaries
vagarious
vagariously
vagarish
vagarisome
vagarist
vagaristic
vagarity
vagary
vagary's
vagas
vagation
vagbondia
vage
vagi
vagient
vagiform
vagile
vagilities
vagility
vagina
vagina's
vaginae
vaginal
vaginalectomies
vaginalectomy
vaginaless
vaginalitis
vaginally
vaginant
vaginas
vaginate
vaginated
vaginectomies
vaginectomy
vaginervose
vaginicoline
vaginicolous
vaginiferous
vaginipennate
vaginismus
vaginitis
vaginoabdominal
vaginocele
vaginodynia
vaginofixation
vaginolabial
vaginometer
vaginomycosis
vaginoperineal
vaginoperitoneal
vaginopexy
vaginoplasty
vaginoscope
vaginoscopy
vaginotome
vaginotomies
vaginotomy
vaginovesical
vaginovulvar
vaginula
vaginulate
vaginule
vagitus
vagoaccessorius
vagodepressor
vagoglossopharyngeal
vagogram
vagolysis
vagosympathetic
vagotomies
vagotomize
vagotomy
vagotonia
vagotonic
vagotony
vagotropic
vagotropism
vagous
vagrance
vagrancies
vagrancy
vagrant
vagrantism
vagrantize
vagrantlike
vagrantly
vagrantness
vagrants
vagrate
vagrom
vague
vaguely
vagueness
vaguer
vaguest
vaguio
vaguios
vaguish
vaguity
vagulous
vagus
vahana
vahine
vahines
vahini
vail
vailable
vailed
vailing
vails
vain
vainer
vainest
vainful
vainglorious
valetudinarium
valetudinary
valear
valew
valeward
valewe
valgoid
valgus
valguses
valhall
valhalla
vali
valiance
valiances
valiancies
valiancy
valiant
valiantly
valiantness
valiants
valid
validatable
validate
validated
validates
validating
validation
validations
validatory
validification
validities
validity
validly
validness
validous
valinch
valine
valines
valise
valiseful
valises
valiship
valium
valkyr
valkyrie
valkyries
valkyrs
vall
vallancy
vallar
vallary
vallate
vallated
vallation
vallecula
valleculae
vallecular
valleculate
vallevarite
valley
valley's
valleyful
valleyite
valleylet
valleylike
valleys
valleyward
valleywise
vallicula
valliculae
vallicular
vallidom
vallies
vallis
vallisneriaceous
vallum
vallums
valois
valonia
valoniaceous
valonias
valor
valorem
valorisation
valorise
valorised
valorises
valorising
valorization
valorizations
valorize
valorized
valorizes
valorizing
valorous
valorously
valveman
valvemen
valves
valviferous
valviform
valving
valvotomy
valvula
valvulae
valvular
valvulate
valvule
valvules
valvulitis
valvulotome
valvulotomy
valyl
valylene
vambrace
vambraced
vambraces
vambrash
vamfont
vammazsa
vamoos
vamoosed
vamooses
vamoosing
vamos
vamose
vamosed
vamoses
vamosing
vamp
vamped
vamper
vampers
vampey
vamphorn
vamping
vampire
vampireproof
vampires
vampiric
vampirish
vampirism
vampirize
vampish
vanes
vanessa
vanessian
vanfoss
vang
vangee
vangeli
vanglo
vangloe
vangs
vanguard
vanguardist
vanguards
vanilla
vanillal
vanillaldehyde
vanillas
vanillate
vanille
vanillery
vanillic
vanillin
vanilline
vanillinic
vanillins
vanillism
vanilloes
vanillon
vanilloyl
vanillyl
vanir
vanish
vanished
vanisher
vanishers
vanishes
vanishing
vanishingly
vanishment
vanitarianism
vanitied
vanities
vanitory
vanitous
vanity
vanjarrah
vanlay
vanload
vanman
cannen
cannost
canned
canner
cannerman
cannermen
cannet
canning
cannus
cvanquish
cvanquishable
cvanquished
cvanquisher
cvanquishers
cvanquishes
cvanquishing
cvanquishment
cvans
cvansire
cvantage
cvantageless
cvantages
cvanbrace
cvanbrass
cvanterie
cvantguard
cvanward
cvapid
cvapidism
cvapidities
cvapidity
cvapidly
cvapidness
cvapocauterization
cvapographic
cvapography
cvapor
cvaporability
cvaporable
cvaporarium
cvaporary
cvaporate
cvapored
cvaporer
cvaporers
cvaporescence
cvaporescent
vapourescent
vapourific
vapourimeter
vapouring
vapouringly
vapourisable
vapourise
vapourised
vapouriser
vapourish
vapourishness
vapourising
vapourizable
vapourization
vapourize
vapourized
vapourizer
vapourizing
vapourose
vaporous
vapourously
vapours
vapoury
vappa
vapulary
vapulate
vapulation
vapulatory
vaquero
vaqueros
var
vara
varactor
varahan
varan
varangian
varanian
varanid
varas
vardapet
vardingale
vardy
vare
varec
varech
vareheaded
varella
vareuse
varicoid
varicolored
varicolorous
varicoloured
varicose
varicosed
varicoseness
varicosis
varicosities
varicosity
varicotomies
varicotomy
varicula
varidical
varied
variedly
variedness
variegate
variegated
variegates
variegating
variegation
variegations
variegator
varier
variers
varies
varietal
varietally
varietals
varietas
varieties
varietism
varietist
varietur
variety
variety's
varificatory
variform
variformed
variformity
variformly
varify
varigradation
varindor
varing
vario
variocoupler
variocuopler
variola
variolar
variolas
variolate
variolated
variolating
variolation
variole
varioles
variolic
varioliform
variolite
variolitic
variolitization
variolization
variolid
variolosser
variolous
variolovaccine
variolovaccinia
variometer
variorum
variorums
varios
variotinted
various
variously
variousness
variscite
varisized
varisse
varistor
varistors
varitype
varityped
varityping
varitypist
varix
varkas
varlet
varletaille
varletess
varletries
varletry
varlets
varletto
varmannie
varment
varments
varmint
varmints
varna
varmas
varnashrama
varnish
varnish's
varnished
varnisher
varnishes
varnishing
varnishlike
varnishment
varnishy
vamplichtige
varnsingite
varronian
varsal
varsha
varsiter
varsities
varsity
varsoviana
varsovienne
vartabed
varuna
varus
varuses
varve
varved
varvel
varves
vary
varying
varyingly
varyings
vas
vasa
vasal
vasalled
vascla
vascon
vascula
vascular
vascularities
vascularity
vascularization
vascularize
vascularized
vascularizing
vascularly
vasculated
vasculature
vasculiferous
vasculiform
vasculitis
vasculogenesis
vasculolymphatic
vasculomotor
vasculose
vasculous
vasculem
vasculums
vase
vase's
vasectomies
vasectomise
vasectomised
vasectomising
vasectomize
vasectomized
vasectomizing
vasectomy
vaseful
vaselet
vaselike
vaseline
vasemaker
vasemaking
vases
vasewise
vasework
vashegyite
vasicentric
vasicine
vasifactive
vasiferous
vasiform
vasoactive
vasoactivity
vasoconstricting
vasoconstriction
vasoconstrictive
vasoconstrictor
vasoconstrictors
vasocorona
vasodentinal
vasodentine
vasodepressor
vasodilatation
vasodilating
vasodilation
vasodilator
vasoepididymostomy
vasofactive
vasoformative
vasoganglion
vasohypertonic
vasohypotonic
vasoinhibitor
vasoinhibitory
vasoligation
vasoligature
vasomotion
vasomotor
vasomotorial
vasomotoric
vasomotory
vasoneurosis
vasoparesis
vasopressin
vasopressor
vasopuncture
vasoreflex
vasorrhaphy
vasosection
vasospasm
vasospastic
vasostimulant
vasostomy
vasotocin
vasotomy
vasotonic
vasotribe
vasotripsy
vasotrophic
vasovagal
vasovesiculectomy
vasquine
vassal
vassalage
vassaldom
vaunt
vauntage
vaunted
vaunter
vaunters
vauntery
vauntful
vauntie
vauntiness
vaunting
vauntingly
vauntlay
vauntmure
vaunts
vaunty
vaquelinite
vaurien
vaus
vauxite
vav
vavasor
vavasories
vavasors
vavasory
vavasour
vavasours
vavassor
vavassors
vavs
vaw
vaward
vawards
vawntie
vaws
vax
vb
vc
vd
veadar
veadore
veal
vealed
vealer
vealers
vealier
vealiest
vealiness
vealing
vegetarianism
vegetism
vegetist
vegetists
vegetive
vegetivorous
vegetoalkali
vegetoalkaline
vegetoalkaloid
vegetoanimal
vegetobituminous
vegetocarbonaceous
vegetomineral
vegetous
vehemence
vehemency
vehement
vehemently
vehicle
vehicle's
vehicles
vehicula
vehicular
vehicularly
vehiculary
vehiculate
vehiculation
vehiculatory
vehiculum
vehme
vehmgericht
vei
veigle
veil
veiled
veiledly
veiledness
veiler
veilers
veiling
veilings
veiless
veilleuse
veillike
veilmaker
veilmaking
veils
veiltail
veily
vein
veinage
veinal
veinbanding
veined
veiner
veiners
veinery
veinier
veiniest
veininess
veining
veinings
veinless
veinlet
veinlets
veinlike
veinous
veins
veinstone
veinstuff
veinule
veinules
veinulet
veinulets
veinwise
veinwork
veiny
vejoces
vel
vela
velal
velamen
velamentous
velamentum
velamina
velar
velardenite
velaria
velaric
velarium
velarization
velarize
velarized
velarizes
velarizing
velars
velary
velate
velated
velating
velation
velatura
velcro
veld
veldcraft
veldman
velds
veldschoen
veldschoenen
veldschoens
veldskoen
veldt
velds
veldschoen
veldtsman
velella
velellidous
veleta
velic
velicate
veliferous
veliform
veliger
veligerous
veligers
velitation
velites
vell
vellala
velleda
velleities
velleity
vellicate
vellicated
vellicating
vellication
vellicative
vellinch
vellincher
vellon
vellosin
vellosine
velloziaceous
vellum
velveting
velvetleaf
velvetlike
velvetmaker
velvetmaking
velvery
velvets
velvetseed
velvetweed
velvetwork
velvety
velyarde
ven
venacularism
venada
venae
venal
venalities
venality
venalization
venalize
venally
venalness
venanzite
venatic
venatical
venatically
venation
venational
venations
venator
venatorial
venatorious
venatory
vencola
vend
vendable
vendace
vendaces
vendage
vendaval
vendean
vended
vendee
vendees
vender
venders
vendetta
vendettas
evendettist
vendeuse
vendibilities
vendibility
vendible
vendibleness
vendibles
vendibly
vendicate
vending
vendis
venditate
venditation
vendition
venditor
vendor
vendor's
vendors
vends
vendue
vendues
venectomy
veneer
veneered
veneerer
veneerers
veneering
veneers
venefic
venefical
venefice
veneficious
veneficeness
veneficous
venemous
venenate
venenated
venenately
venenates
venenating
venenation
venene
veneniferous
venenific
veneosalivary
venenose
venenosi
venesia
veneti
venetian
venetians
venetic
veneur
venezolano
venezuela
venezuelan
venezuelans
venge
vengeable
vengeance
vengeancefully
vengeant
venge
vengeful
vengefully
vengefulness
vengeously
venger
venges
venging
veniable
venial
venialities
veniality
veniably
venialness
veniam
venice
venie
venin
venine
venines
venins
veniplex
venipuncture
venire
venireman
veniremen
venires
venise
venisection
venison
venisonivorous
venisonlike
venisons
venisuture
venite
venkisen
venlin
vennel
venner
venoatrial
venoauricular
venography
venom
venomed
venomer
venomers
venoming
venomization
venomize
venomless
venomly
venomness
venomosalivary
venomous
venomously
venomousness
venomproof
venoms
venosome
venomy
venosal
venosclerosis
venose
venosinal
venosities
venosity
venostasis
venous
venously
venousness
vent
venta
ventage
ventages
ventail
ventails
ventana
vented
venter
venters
venthole
ventiduct
ventifact
ventil
ventilable
ventilagin
ventilate
ventilated
ventilates
ventilating
ventilation
ventilative
ventilator
ventilators
ventilatory
ventin
venting
ventless
ventometer
ventose
ventoseness
ventosity
ventoy
ventpiece
ventrad
ventral
ventrally
ventralmost
ventrals
ventralward
ventric
ventricle
ventricle's
ventricles
ventricolumna
ventricolumnar
ventricornu
ventricornual
ventricose
ventricoseness
ventricosity
ventricous
ventricular
ventricularis
ventriculi
ventriculite
ventriculitic
ventriculogram
ventriculography
ventriculopuncture  
ventriculoscopy  
ventriculose  
ventriculous  
ventriculus  
ventricumbent  
ventriduct  
ventrifixation  
ventrilateral  
ventrilocation  
ventriloqual  
ventrilqually  
ventriloque  
ventrilohual  
ventrilquially  
ventriloque  
ventrilquise  
ventrilquised  
ventrilquising  
ventrilquism  
ventrilquist  
ventrilquistic  
ventrilquists  
ventrilquize  
ventrilquizing  
ventrilquous  
ventrilquously  
ventrilquay  
ventrilmesal  
ventrilmeson  
ventrine  
ventripotence  
ventripotency  
ventripotent  
ventripotential  
ventripyramid  
ventroaxial  
ventroaxillary  
ventrocaudal  
ventrocystorrhaphy  
ventrodorsad  
ventrodorsal  
ventrodorsally  
ventrofixation  
ventrohysteropexy  
ventroinguinal  
ventrolateral  
ventrolaterally  
ventromedial
veny
ver
vera
veracious
veraciously
veraciousness
veracities
veracity
verament
veranda
veranda's
verandaed
verandah
verandahed
verandahs
verandas
verascope
veratural
veratralbin
veratralbine
veratraldehyde
veratraterate
veratratra
veratrias
veratric
veratridin
veratridine
veratrin
veratrüns
veratrina
veratrine
veratrinize
veratrinized
veratrinizing
veratrins
veratrize
veratrized
veratrizing
veratroidine
veratrol
veratrole
veratroyl
veratrüm
veratrums
veratryl
veratrylidene
veray
verb
verb's
verbal
verbalisation
verbalise
verbalised
verbaliser
verbalising
verbalism
verbalist
verbalistic
verbalities
verbality
verbalization
verbalizations
verbalize
verbalized
verbalizer
verbalizes
verbalizing
verbally
verbs
verbarian
verbarium
verbasco
verbascose
verbasicum
verbate
verbatim
verbena
verbenaceous
verbenalike
verbenalin
verbenas
verbenate
verbenated
verbenating
verbene
verbicol
verbicolone
verbicate
verberate
verberation
verberative
verbesserte
verbiage
verbiages
verbicide
verbiculture
verbid
verbids
verbification
verbified
verbifies
verbify
verbifying
verbigerate
verbigerated
verbigerating
verbigeration
verbigerative
verbile
verbiles
verbless
verbolatry
verbomania
verbomaniac
verbomotor
verbose
verbosely
verboseness
verbosities
verbosity
verboten
verbous
verbs
verbum
verby
verchok
verd
verdancies
verdancy
verdant
verdantly
verdantness
verde
verdea
verdelho
verderer
verderers
verderership
verderor
verderors
verdet
verdetto
verdi
verdict
verdicts
verdigris
verdigrised
verdigrisy
verdin
verdins
verdite
verditer
verditers
verdour
verdoy
verdugo
verdugoship
verdun
verdure
verdured
verdureless
verdurer
verdures
verdurous
verdurousness
verecund
verecundity
verecundness
veredict
veredicto
veredictum
verek
verenda
veretilliform
veretillum
verey
vergaloo
verge
vergeboard
verged
vergence
vergences
vergency
vergent
vergentness
verger
vergeress
vergerism
vergerless
vergers
vergership
vergery
verges
vergi
vergiform
vergilian
verging
verglas
verglases
vergobret
vergoyne
vergunning
veri
veridic
veridical
veridicalities
veridicality
veridically
veridicalness
veridicous
veridity
verier
veriest
verifiability
verifiable
verifiableness
verifiably
verificate
verification
verifications
verificative
verificatory
verified
verifier
verifiers
verifies
verify
verifying
verily
veriment
verine
veriscope
verisimilar
verisimilarly
verisimilitude
verisimilitudinous
verisimility
verism
verismo
verismos
verisms
verist
vermouths
vermuth
vermuths
vernaccia
vernacle
vernacles
vernacular
vernacularisation
vernacularise
vernacularised
vernacularising
vernacularism
vernacularist
vernacularity
vernacularization
vernacularize
vernacularized
vernacularizing
vernacularly
vernacularness
vernaculars
vernaculate
vernacularous
vernage
vermal
vernalisation
vernalise
vernalised
vernalising
vernality
vernalization
vernalize
vernialized
vernalizes
vernalizing
vernally
vernant
vernation
verneuk
verneuker
verneukery
vernicle
vernicles
vernicose
vernier
verniers
vernile
vernility
vernin
vernine
vernissage
vernition
vernix
vernixes
vernon
vernoniaceous
vernonin
veronal
veronalism
veronese
veronica
veronicas
verquere
verray
verre
verrel
verrell
verriculate
verriculated
verricule
verriere
verruca
verrucae
verrucano
verrucariaceous
verrucarioid
verruicated
verruciferous
verruciform
verrucose
verruconseness
verrucosis
verrucosities
verrucosity
verruccous
verruculose
verruga
verrugas
verry
versa
versability
versable
versableness
versailles
versal
versant
versants
versate
versatec
versatile
versatily
versatily
versatileness
versatilities
versatility
versation
versative
verse
versecraft
versed
verseless
verselet
versemaker
versemaking
verseman
versemanship
versemen
versemonger
versemongering
versemongery
verser
versers
verses
versesmith
verset
versets
versette
verseward
versewright
versicle
versicler
versicles
versicolor
versicolorate
versicolored
versicolorous
versicolour
versicoloured
versicular
versicule
versiculi
versiculus
versiera
versifiable
vertebrated
vertebrates
vertebration
vertebre
vertebrectomy
vertebriform
vertebroarterial
vertebrobasilar
vertebrocondral
vertebrocostal
vertebrodymus
vertebrofemoral
vertebroiliac
vertebromammary
vertebroesacral
vertebrosternal
vertep
vertex
vertexes
vertibility
vertible
vertibleness
vertical
verticled
verticaling
verticalism
verticality
verticalled
verticalling
vertically
verticalness
verticales
vertices
verticil
verticillary
verticillaster
verticillastrate
verticillate
verticillated
verticillately
verticillation
verticilli
verticilliaceous
verticilloid
verticillum
verticillus
verticils
verticity
verticomental
verticordious
vertiginate
vertigines
vertiginous
vertiginously
vertiginousness
vertigo
vertigoes
vertigos
vertilinear
vertimeter
verts
vertu
vertugal
vertumnus
vertus
verty
veruled
verumontanum
verus
veruta
verutum
vervain
vervainlike
vervains
verve
vervecean
vervecine
vervel
verveled
vervelle
vervelled
vervenia
verver
verves
vervet
vervets
vervine
very
verzini
verzino
vesania
vesanic
vesbite
vese
vesica
vesicae
vesical
vesicant
vesicants
vesicate
vesicated
vesicates
vesicating
vesication
vesicatories
vesicatory
vesicle
vesicles
vesicoabdominal
vesicocavernous
vesicocele
vesicocervical
vesicoclysis
vesicofixation
vesicointestinal
vesicoprostatic
vesicopubic
vesicorectal
vesicosigmoid
vesicospinal
vesicotome
vesicovaginal
vesicula
vesiculae
vesicular
vesicularity
vesiculary
vesiculary
vesiculase
vesiculate
vesiculated
vesiculating
vesiculation
vesicule
vesiculectomy
vesiculiferous
vesiculiform
vesiculigerous
vesiculitis
vesiculobronchial
vesiculocavernous
vesiculopustular
vesiculose
vesiculotomy
vesiculotubular
vesiculotympanic
vesiculotympanitic
vesiculous
vesiculus
vesicupapular
vesigia
veskit
vesp
vespacide
vespal
vesper
vesperal
vesperals
vesperian
vespering
vespers
vespertide
vespertilian
vespertilio
vespertilionid
vespertilionine
vespertinal
vespertine
vespery
vespetro
vespiaries
vespiary
vespid
vespids
vespiform
vespine
vespoid
vespucci
vessel
vessel's
vesseled
vesselful
vesselled
vessels
vesses
vessets
vessicnon
vessignon
vest
vesta
vestal
vestalia
vestally
vestals
vestalship
vestas
vested
vestee
vestees
vester
vestiarian
vestiaries
vestiarium
vestiary
vestible
vestibula
vestibular
vestibulary
vestibulate
vestibule
vestibuled
vestibules
vestibuling
vestibulospinal
vestibulum
vestigal
vestige
vestige's
vestiges
vestigia
vestigial
vestigially
vestigiary
vestigium
vestiment
vestimental
vestimentary
vesting
vestings
vestiture
vestiture
vestless
vestlet
vestlike
vestment
vestmental
vestmentary
vestmented
vestments
vestral
vestralization
vexful
vexil
vexilla
vexillar
vexillaries
vexillarious
vexillary
vexillate
vexillation
vexillologic
vexillosalionalc
vexillologistic
vexillology
vexillum
vexils
vexing
vexingly
vexingness
vext
vg
vi
via
viabilities
viability
viable
viableness
viably
viaduct
viaducts
viage
viaggiatory
viagram
viagraph
viajaca
vial
viai's
vialed
viaful
vialing
vialled
vialling
vialmaker
vialmaking
viallogue
vials
viometer
viand
viande
vibrates
vibratile
vibratility
vibrating
vibratingly
vibration
vibrational
vibrationless
vibrations
vibratiuncle
vibratiunculation
vibrative
vibrato
vibrator
vibrators
vibratory
vibratos
vibrio
vibrioid
vibrion
vibrionic
vibrions
vibrios
vibriosis
vibrissa
vibrissae
vibrissal
vibrograph
vibromassage
vibrometer
vibromotive
vibronic
vibrophone
vibroscope
vibroscopic
vibrotherapeutics
viburnic
viburnin
viburnum
viburnums
vic
vica
vicaire
vicar
vicara
vicarage
vicarages
vicarate
vicarates
vicarchoral
vicaress
vicargeneral
vicarial
vicarian
vicarianism
vicariate
vicariates
vicariateship
vicarii
vicariism
vicarious
vicariously
vicariousness
vicarius
vicarly
vicars
vicarship
vicary
vice
vice's
vicecomes
vicecomital
vicecomites
viced
vicegeral
vicegerencies
vicegerency
vicegerent
vicegerents
vicegerentship
viceless
vicelike
vicenary
vicennial
viceregal
viceregally
viceregency
viceregent
viceregents
vicereine
viceroies
viceroy
viceroyal
viceroyalty
viceroydom
viceroy
victimize
victimized
victimizer
victimizers
victimizes
victimizing
victimless
victims
victless
victor
victor's
victordom
victoress
victorfish
victorfishes
victoria
victorian
victorianism
victorianize
victorians
victorias
victoriate
victoriatus
victories
victorine
victorious
victoriously
victoriousness
victorium
victors
victory
victory's
victoryless
victress
victresses
victrices
victrix
victrola
victual
victualage
victualed
victualer
victualers
victualing
victualled
victualler
victuallers
victuallership
vilify
vilifying
vilifyingly
vilipend
vilipended
vilipender
vilipending
vilipendious
vilipenditory
vilipends
vilities
vility
vill
villa
villa's
villache
villadom
villadoms
villae
villae
villadette
village
villageful
villagehood
villageless
villagelet
villagelike
villageous
villager
villageress
villagers
villagery
villages
villaget
villageward
villagey
villagism
villagy
villain
villain's
villainage
villaindom
villainess
villainness
villainesses
villainies
villainist
villainize
villainous
villainously
villainousness
villainproof
villains
villainy
villakin
villaeless
villalike
villan
villanage
villancico
villanella
villanelle
villanette
villanous
villanously
villar
villarsite
villas
villate
villatic
villayet
ville
villegiatura
villegiature
villein
villeinage
villeiness
villeinhold
villeins
villeity
villenage
villi
villiaumite
villicus
villiferous
villiform
villiplacental
villitis
villoid
villose
villosities
villosity
villota
villote
villous
villously
vills
villus
vindaloo
vindemial
vindemiate
vindemiation
vindemiatory
vindemiatrix
vindex
vindhyan
vindicability
vindicable
vindicableness
vindicably
vindicate
vindicated
vindicates
vindicating
vindication
vindications
vindicative
vindicatively
vindicativeness
vindicator
vindicatorily
vindicators
vindicatorship
vindicatory
vindicatrix
vindices
vindict
vindicta
vindicative
vindicatively
vindicativeness
vindictivence
vindresser
vine
vine's
vinea
vineae
vineal
vineatic
vined
vinedresser
vinegar
vinegarer
vinegarette
vinegariness
vinegarish
vinegarishness
vinegarist
vinegarlike
vinegarroon
vinegars
vinegarweed
vinegary
vinegerone
vinegrower
vineity
vineland
vineless
vinelet
vinelike
viner
vineries
vinery
vines
vinestalk
vinet
vinetta
vinew
vinewise
vineyard
vineyard's
vineyarding
vineyardist
vineyards
vingerhoed
vingt
vingtieme
vingtun
vinhatico
vinic
vinicultural
viniculture
viniculturist
vinier
viniest
vinifera
viniferas
viniferous
vinification
vinificator
vining
vinitor
vinny
vino
vinoacetous
vinolence
vinolent
vinologist
vinology
vinometer
vinomethylc
vinos
vinose
vinosities
vinosity
vinosulphureous
vinous
vinously
vinousness
vinquish
vins
vint
vinta
vintage
vintaged
vintager
vintagers
vintages
vintaging
vintem
vintener
vinter
vintlite
vintner
vintneress
vintners
vintnership
vintnery
vintress
vintry
vinnum
viny
vinyl
vinylacetylene
vinylate
vinylated
vinylating
vinylation
vinylbenzene
vinylene
vinylethylene
vinyllic
vinylidene
vinylite
vinyls
vinyon
viol
viola
violability
violable
violableness
violably
violaceous
violacean
violaceous
violaceously
violal
violan
violand
violanin
violaquercitrin
violas
violate
violated
violater
violaters
violates
violating
violation
violational
violations
violative
violer
violator
violator's
violators
violatory
violature
violence
violences
violency
violent
violently
violentness
violer
violescent
violet
violet's
violetish
violetlike
violets
violette
viperiform
viperine
viperish
viperishly
viperlike
viperling
viperoid
viperous
viperously
viperousness
vipers
vipery
vipolitic
vipresident
vips
viqueen
viragin
viraginian
viraginity
viraginous
virago
viragoes
viragoish
viragolike
viragos
viragoship
viral
virally
virason
vire
virelai
virelais
virelay
virelays
virement
viremia
viremias
viremic
virent
vireo
vireonine
vireos
vires
virescence
virescent
virga
virgal
virgas
viridene
viridescence
viridescent
viridian
viridians
viridigenous
viridin
viridine
viridite
viridities
viridity
virific
virify
virile
virilely
virileness
virilescence
virilescent
virilia
virilify
viriliously
virilism
virilisms
virilist
virilities
virility
virilization
virilize
virilizing
virilocals
virilocally
virion
virions
viripotent
viritoot
viritrate
virl
virled
virls
virole
viroled
virologic
virological
virologically
virologies
virologists
virology
viron
virose
viroses
virosis
virous
virtu
virtual
virtualism
virtualist
virtuality
virtualize
virtually
virtue
virtue's
virtued
virtuefy
virtueless
virtuelessness
virtueproof
virtues
virtuless
virtuosa
virtuosas
virtuose
virtuosi
virtuosic
virtuosities
virtuosity
virtuoso
virtuoso's
virtuosos
virtuosoship
virtuous
virtuouslike
virtuously
virtuousness
virtus
virtuti
virtutis
virucidal
virucide
virucides
viruela
virulence
virulences
virulencies
virulency
virulent
virulent
dultly
rulentness
uruliferous
irus
virus's
ivuscidal
ivuscide
ivusemic
ivuses
ivuslike
ivustatic
is
isa
isage
isaged
isages
isagraph
isaiing
isman
isard
isards
isarga
isas
isayan
iscacha
iscachas
iscera
isceral
isceralgia
iscerally
isceralness
iscerate
iscerated
iscerating
isceration
isceripericardial
iscerogenic
isceroinhibitory
iscermotor
isceroparietal
isceroperitoneal
isceropleural
isceroptosis
isceroptic
iscerosensory
isceroskeletal
viscerosomatic
viscerotomy
viscerotonia
viscerotonic
viscerotrophic
viscerotropic
viscerous
viscid
viscidities
viscidity
viscidize
viscidly
viscidness
viscidulous
viscin
viscoelastic
viscoelasticity
viscid
viscosidal
viscolize
viscometer
viscometric
viscometrical
viscometrically
viscometry
viscontal
viscontial
viscoscope
viscose
viscoses
viscosimeter
viscosimetric
viscosimetry
viscosities
viscosity
viscount
viscount’s
viscountcies
viscountcy
viscountess
viscountesses
viscounts
viscountship
viscounty
viscous
viscously
viscousness
viscum
viscus
vise
vised
viseed
viseing
viselike
viseman
visement
visenomy
vises
vishnu
visibilities
visibility
visibilize
visible
visibleness
visibly
visie
visier
visigoth
visigothic
visile
vising
vision
vision's
visional
visionally
visionaries
visionarily
visionariness
visionary
visioned
visioner
visionic
visioning
visionist
visionize
visionless
visionlike
visionmonger
visionproof
visions
visit
visita
visitable
visitador
visitandine
visitant
visitants
visitate
visitation
visitation's
visitational
visitations
visitative
visitor
visitorial
visite
visited
visitee
visiter
visitors
visiting
visitment
visitor
visitor's
visitoress
visitorial
visitors
visitorship
visitress
visitrix
visits
visive
visne
visney
visnomy
vison
visor
visor's
visored
visoring
visorless
visorlike
visors
visory
viss
vista
vista's
vistaed
vistal
vistaless
vistamente
vistas
visto
visual
vitalizing
vitalizingly
vitallium
vitally
vitalness
vitals
vitamer
vitameric
vitamers
vitamin
vitamine
vitamines
vitaminic
vitaminization
vitaminize
vitaminized
vitaminizing
vitaminologist
vitaminology
vitamins
vitapath
vitapathy
vitaphone
vitascope
vitascopic
vitasti
vitativeness
vite
vitellarian
vitellarium
vitellary
vitellicle
vitelliferous
vitelligenous
vitelligerous
vitellin
vitelline
vitellins
vitellogene
vitellogenesis
vitellogenous
vitellose
vitellus
vitelluses
viterbite
vitesse
visses
vithayasai
viable
vital
vitate
vitiated
vitiates
vitiating
vitiation
vitiator
vitiators
viticeta
viticetum
viticetums
viticultural
viticulture
viticulturer
viticulturist
viticulturists
vitiferous
vitilago
vitiliginous
vitiligo
vitiligoid
vitiligoida
vitiligos
vitilitigate
vitosities
vitosity
vitita
vitium
vitochemical
vitochemic
vitra
vitrage
vitrail
vitraled
vitraillist
vitraillist
vitrain
vitraux
vitreal
vitrean
vitrella
vitremyte
vitreodental
vitreodentine
vitreoelectric
vitreosity
vitreous
vitreouslike
vitreously
vitreousness
vitrescence
vitrescency
vitrescibility
vitrescible
vitreum
vitrial
vitric
vitrics
vitrification
vitrifacture
vitrifiability
vitrifiable
vitrificate
vitrification
vitrified
vitrifies
vitriform
vitrify
vitrifying
vitrine
vitrines
vitrinous
vitrinoid
vitiol
vitrilate
vitrilated
vitrilating
vitrilation
vitriloed
vitrilic
vitrilocally
vitriline
vitriling
vitrilizable
vitrilization
vitiolize
vitiolized
vitiolizer
vitiolizing
vitiolled
vitiolling
vitiols
vitrile
vitre
vitrobasalt
vitrophyre
vitrophyric
vitrotype
vitrous
vitrum
vitruvian
vity
vitta
vittae
vittate
vitile
vittled
vittles
vittling
vitular
vitalary
vituline
vituper
vituperable
vituperance
vituperate
vituperated
vituperates
vituperating
vituperation
vituperations
vituperatiou
vituperative
vituperatively
vituperator
vituperatory
vituperious
vituperous
vitupery
viuva
viva
vivace
vivacious
vivaciously
vivaciousness
vivacissimo
vivacities
vivacity
vivamente
vivandi
vivandier
vivandiere
vivandieres
vivandire
vivant
vivants
vivaria
vivaries
vivariia
vivariums
vivarium
vivariums
vivarvaria
vivary
vivas
vivat
vivax
vidva
vive
vively
vivency
vivendi
viver
viverra
viverrid
viverrids
viverriform
viverrine
vivers
vives
viveur
vivian
vivianite
vivicremation
vivid
vivider
vividest
vividialysis
vividiffusion
vividissection
vividity
vividly
vividness
vivific
vivifical
vivificant
vivificate
vivificated
vivificating
vivification
vocabulist
vocal
vocalic
vocalically
vocalics
vocalion
vocalisation
vocalisations
vocalise
vocalised
vocalises
vocalising
vocalism
vocalisms
vocalist
vocalistic
vocalists
vocalities
vocality
vocalizable
vocalization
vocalizations
vocalize
vocalized
vocalizer
vocalizers
vocalizes
vocalizing
vocaller
vocally
vocalness
vocals
vocat
vocate
vocation
vocation's
vocational
vocationalism
vocationalist
vocationalization
vocationalize
vocationally
vocations
vocative
vocatively
vocatives
voce
voces
vochysiaceous
vocicultural
vociferance
vociferanced
vociferancing
vociferant
vociferate
vociferated
vociferates
vociferating
vociferation
vociferations
vociferative
vociferator
vociferize
vociferosity
vociferous
vociferously
vociferousness
vocification
vocimotor
vocoder
vocoders
vocoid
vocular
vocule
voder
vodka
vodkas
vodum
vodums
vodun
voe
voes
voet
voeten
voetganger
voetsak
voetsek
voetstoots
vog
vogesite
vogie
voglite
vogt
vogue
vogues
voguey
volable
volacious
volador
volage
volaille
volant
volante
volantly
volapie
volapuk
volar
volary
volata
volatic
volatile
volatilely
volatileness
volatiles
volatilisable
volatilisation
volatilise
volatilised
volatiliser
volatilising
volatilities
volatility
volatilizable
volatilization
volatilize
volatiiled
volatilizer
volatilizes
volatilizing
volation
volational
volatize
volborthite
volcan
volcanian
volcanic
volcanically
volcanicity
volcanics
volcanism
volcanist
volcanite
volcanity
volcanizate
volcanization
volcanize
volcanized
volcanizing
volcano
volcano's
volcanoes
volcanism
volcanologic
volcanological
volcanologist
volcanologists
volcanologize
volcanology
volcanos
vole
voled
volemite
volemitol
volency
volens
volent
volente
volenti
volently
voleries
volery
voles
volet
volga
volhynite
voling
vopresence
vopresent
volitant
volitate
volitation
volitational
volitiency
volitient
volition
volitional
volitionalist
volitionality
volitionally
volitionary
volitionate
volitionless
volitions
volitive
volitoreal
volkslied
volkslieder
volksraad
volkswagen
volkswagens
vollenge
volley
volleyball
volleyball's
volleyballs
volleyed
volleyer
volleyers
volleying
volleyingly
volleys
volost
volosts
volow
volpane
volplane
volplaned
volplanes
volplaning
volplanist
vols
volsci
volscian
volsella
volsellum
volt
volta
voltaelectric
voltaelectricity
voltaelectrometer
voltaelectrometric
voltage
voltages
voltography
voltaic
voltaire
voltairean
voltaism
voltaisms
voltaite
 voltameter
 voltametric
 voltammeter
 voltaplast
 voltatype
 volte
 voltador
 voltadores
 voltes
 volti
 voltigeur
 voltinism
 voltivity
 voltize
 voltmeter
 voltmeters
 volto
 volts
 voltzine
 voltzite
 volubilate
 volubility
 voluble
 volubleness
 volubly
 volucrine
 volume
 volume's
 vumed
 volumen
 volumenometer
 volumenometry
 volumes
 volumescope
 volumeter
 volumetric
 volumetrical
 volumetrically
 volumetry
 volumette
 volumina
 voluminal
 voluming
 voluminosity
 voluminous
 voluminously
 voluminousness
 volumist
volumometer
volumometrical
volumometry
voluntariate
voluntaries
voluntarily
voluntariness
voluntarious
voluntarism
voluntarist
voluntaristic
voluntarity
voluntary
voluntaryism
voluntaryist
voluntative
volunteer
volunteered
volunteering
volunteerism
volunteerly
volunteers
volunteership
volunty
voluper
volupt
voluptary
voluptas
volupte
voluptuarian
voluptuaries
voluptuary
voluptuate
voluptuosity
voluptuous
voluptuously
voluptuousness
volupty
voluta
volutae
volutate
volutation
volute
voluted
volutes
volutiform
volutin
volutins
volution
volutions
volutoid
volva
volvas
volvate
volvell
volvelle
volvent
volvocaceous
volvox
volvoxes
volvuli
volvullus
volvulus
volvuluses
volyer
vombatid
vomer
vomerine
vomerobasilar
vomeronasal
vomeropalatine
vomers
vomica
vomicae
vomicin
vomicine
vomit
vomitable
vomited
vomiter
vomites
vomiting
vomitingly
vomition
vomitive
vomitiveness
vomitives
vomito
vomitoria
vomitories
vomitorium
vomitory
vomitos
vomitous
vomits
vomiture
vorticiform
vorticism
vorticist
vorticities
vorticity
vorticose
vorticously
vorticular
vortically
vortiginous
vota
votable
votal
votally
votaress
votaresses
votaries
votarist
votarists
votary
votation
vote
voteable
voted
voteen
voteless
voter
voters
votes
voting
votist
votive
votively
votiveness
votograph
votometer
votress
votresses
vouch
vouchable
vouched
vouchee
vouchees
voucher
voucherable
vouchered
voucherness
vouchering
voyage
voyageable
voyaged
voyager
voyagers
voyages
voyageur
voyageurs
voyaging
voyagings
voyance
voyeur
voyeurism
voyeuristic
voyeuristically
voyeurs
voyeuse
voyeuses
vp
vr
vrai
c
vrack
vracking
vraisemblance
vrbaite
vriddhi
vril
vrille
vrilled
vrolling
vrocht
vroom
vroomed
vrooming
vrooms
vrother
vrouw
vrouwens
vrow
vrows
vs
vss
vt
vucom
vucoms
vug
vugg
vuggs
vuggy
vugh
vughs
vugs
vulcan
vulcanian
vulcanic
vulcanicity
vulcanisable
vulcanisation
vulcanise
vulcanised
vulcaniser
vulcanising
vulcanism
vulcanist
vulcanite
vulcanizable
vulcanizate
vulcanization
vulcanize
vulcanized
vulcanizer
vulcanizers
vulcanizes
vulcanizing
vulcano
vulcanological
vulcanologist
vulcanology
vulg
vulgar
vulgare
vulgarer
vulgarest
vulgarian
vulgarians
vulgarisation
vulgarise
vulgarised
vulgariser
vulgariser
vulgarish
vulgarising
vulgarism
vulgarisms
vulgarist
vulgarities
vulgarity
vulgarization
vulgarizations
vulgarize
vulgarized
vulgarizer
vulgarizers
vulgarizes
vulgarizing
vulgarlike
vulgarly
vulgarness
vulgars
vulgarwise
vulgate
vulgates
vulgo
vulgus
vulguses
vuln
vulned
vulnerabilities
vulnerability
vulnerable
vulnerableness
vulnerably
vulneral
vulneraries
vulnerary
vulnerate
vulneration
vulnerative
vulnerose
vulnific
vulnifical
vulnose
vulpanse
vulpecide
vulpecular
vulpecular
vulpic
vulpicidal
vulpicide
vulpicidism
vulpine
vulpinic
vulpinism
vulpinite
vulsella
vulsellum

Open Source Used In CSPC_Collector 2.9.1 16859
vulsinite
vulture
vulture's
vulturelike
vultures
vulturewise
vulturine
vulturish
vulturism
vulturn
vulturous
vulva
vulvae
vulval
vulvar
vulvas
vulvate
vulviform
vulvitis
vulvitisises
vulvocrural
vulvouterine
vulvovaginal
vulvovaginitis
vum
vv
vvll
vyase
vying
vyingly
vynwy
w
w's
w/
w/o
wa
wa'
waac
waag
waapa
waar
wab
wabayo
wabber
wobble
wabbled
wabblers
wabbles
wabblier
wabbliest
wabbliness
wabbling
wabblingly
wabbly
wabby
wabe
wabeno
wabron
wabs
wabster
wac
wacadastro
wacago
wacapou
wace
wachna
wack
wacke
wacken
wacker
wackes
wackier
wackiest
wackily
wackiness
wacks
wacky
wacs
wad
wadable
wadcutter
waddad
waddent
wadder
wadders
waddie
waddied
waddies
wadding
waddings
waddle
waddled
waddler
waddlers
waddles
waddlesome
waddling
waddlingly
waddly
waddy
waddying
waddywood
wade
wadeable
waded
wader
waders
wades
wadge
wadi
wadies
wading
wadingly
wadis
wadlike
wadmaal
wadmaals
wadmaker
wadmaking
wadmal
wadmals
wadmeal
wadmel
wadmels
wadmol
wadmoll
wadmolls
wadmols
wadna
wads
wadset
wadsets
wadsetted
wadsetter
wadsetting
wady
wae
waefu
waeful
waeg
waenness
waenneses
waer
waes
waesome
waesuck
waesucks
waf
wafer
wafer's
wafered
waferer
wafering
waferish
waferlike
wafermaker
wafermaking
wafers
waferwoman
waferwork
wafery
waff
waffed
waffie
waffies
waffing
waffle
waffle's
waffled
waffles
wafflike
waffling
waffly
waffness
waffs
waflib
waft
waftage
waftages
wafted
wafter
wafters
wafting
wafts
wafture
waftures
wafty
wag
wagang
waganging
wagati
wagaun
wagbeard
wage
waged
wagedom
wageless
wagelessness
wageling
wagenboom
wager
wagered
wagerer
wagerers
wagering
wagers
wages
wagesman
waget
wagework
wageworker
wageworking
wagga
waggable
waggably
wagged
waggel
wagger
waggeries
waggers
waggery
waggie
wagging
waggish
waggishly
waggishness
waggle
waggled
waggles
waggling
wagglingly
waggly
waggon
waggonable
waggonage
waggoned
waggoner
waggoners
waggonette
waiting
waitingly
waitingly
waitings
waitlist
waitress
waitress's
waitresses
waitressless
waits
waitsmen
waivatu
waive
waived
waiver
waiverable
waivers
waivery
waives
waiving
waivod
waiwode
wajang
waka
wakan
wakanda
wakandas
wakari
wakas
wake
waked
wakeel
wakeful
wakefully
wakefulness
wakeless
wakeman
wakemen
waken
wakened
wakener
wakeners
wakeners
wakening
wakenings
wakens
waker
wakerife
wakerifeness
wakerobin
wakers
wakes
waketime
wakeup
wakf
wakif
wakiki
wakikis
waking
wakingly
wakiup
wakizashi
wakken
wakon
wakonda
waky
walach
walachian
walahee
walcheren
waldenses
waldflute
waldglas
waldgrave
waldgravine
waldhorn
waldmeister
waldorf
wale
waled
walepiece
waler
walers
wales
walewort
walhalla
wali
walies
waling
walk
walkable
walkabout
walkaway
walkaways
walked
walkene
walker
walkerite
walkers
walkie
walking
walkings
walkingstick
walkist
walkmill
walkmiller
walkout
walkouts
walkover
walkovers
walkrife
walks
walkside
walksman
walksmen
walkup
walkups
walkway
walkways
walkyrie
walkyries
wall
walla
wallaba
wallabies
wallaby
wallago
wallah
wallahs
wallaroo
wallaroos
wallas
wallbird
wallboard
walled
waller
wallerian
wallet
wallet’s
walletful
wallets
walleye
walleyed
walleyes
wallflower
wallflowers
wampums
wampus
wampuses
wamus
wanuses
wan
wanchancy
wand
wander
wanderable
wandered
wanderer
wanderers
wandering
wanderingly
wanderingness
wanderings
wanderlust
wanderluster
wanderlustful
wanderoo
wanderoos
wanders
wandery
wanderyear
wandflower
wandle
wandlike
wandoo
wandought
wandreth
wands
wandsman
wandy
wane
waned
waneless
wanely
wanes
waney
wang
wanga
wangala
wangan
wangans
wangateur
wanger
wanghee
wardcors
warded
warden
wardency
wardenries
wardenry
wardens
wardenship
warder
warderer
warders
wardership
wardholding
wardian
warding
wardite
wardless
wardlike
wardmaid
wardman
wardmen
wardmote
wardress
wardresses
wardrobe
wardrobe's
wardrober
wardrobes
wardroom
wardrooms
wards
wardship
wardships
wardsmaid
wardsman
wardswoman
wardwite
wardwoman
wardwomen
wardword
ware
wared
wareful
warehou
warehouse
warehouseage
warehouseused
warehouseful
warehouseman
warehousemen
warehouser
warehousers
warehouses
warehousing
wareless
warely
waremaker
waremaking
wareman
warement
wareroom
warerooms
wares
wareship
warf
warfare
warfared
warfarer
warfares
warfarin
warfaring
warfarins
warful
wargus
warhead
warheads
warhorse
warhorses
variance
variangle
varied
varier
wariest
warily
wariment
warine
wariness
warinesses
waring
waringin
warish
warison
warisons
wark
warkamoowee
warked
warking
warkloom
warklume
warks
warl
warless
warlessly
warlessness
warlike
warlikely
warlikeness
warling
warlock
warlockry
warlocks
warlord
warlordism
warlords
warlow
warluck
warly
warm
warmable
warmaker
warmakers
warmaking
warman
warmblooded
warmed
warmedly
warmen
warmer
warmers
warmest
warmful
warmhearted
warmheartedly
warmheartedness
warmhouse
warming
warmish
warmly
warmmess
warmness
warmnesses
warmmonger
warmmongering
warmmongers
warriorship
warriorwise
warrish
warrok
warty
warryn
wars
warsaw
warsaws
warse
warsel
warship
warship's
warships
warsle
warsled
warsler
warslers
warsles
warsling
warst
warstle
warstled
warstler
warstlers
warstles
warstling
wart
wart's
warted
wartern
wartflower
warth
warthog
warthogs
wartier
wartiest
wartime
wartimes
wartiness
wartless
wartlet
wartlike
wartproof
warts
wartweed
wartwort
warty
washes
washhand
washhouse
washier
washiest
washin
washiness
washing
washings
washington
washingtonian
washingtonians
washland
washleather
washmaid
washman
washmen
washoff
washout
washouts
washpot
washproof
washrag
washrags
washroad
washroom
washrooms
washshed
washstand
washstands
washtail
washtray
washtrough
washhtub
washtubs
washup
washway
washwoman
washwomen
washwork
washy
wasn
wasn't
wasnt
wasp
wasp's
waspen
wasphood
waspier
waspieest
waspily
waspiness
waspish
waspishly
waspishness
wasplike
waspling
waspnesting
wasp
wasp
wassail
wassailed
wassailer
wassailers
wassailing
wassailous
wassailry
wassails
wassie
wast
wastabl
wastable
wastage
wastages
waste
wastebasket
wastebaskets
wastebin
wasteboard
wasted
wasteful
wastefully
wastefulness
wastel
wasteland
wastelands
wastebread
wasteless
wastelot
wastedlots
wastely
wasteman
wastemen
wastement
wasteness
wastepaper
watchcries
watchcry
watchdog
watchdogged
watchdogging
watchdogs
watched
watcher
watchers
watches
watchet
watcheye
watcheyes
watchfire
watchfree
watchful
watchfully
watchfulness
watchglass
watchglassful
watchhouse
watching
watchingly
watchings
watchkeeper
watchless
watchlessness
watchmake
watchmaker
watchmakers
watchmaking
watchman
watchmanly
watchmanship
watchmate
watchmen
watchment
watchout
watchouts
watchstrap
watchtower
watchtowers
watchwise
watchwoman
watchwomen
watchword
watchword's
watchwords
waxworms
waxy
way
way's
wayaka
wayang
wayback
wayberry
waybill
waybills
waybird
waybook
waybread
waybung
wayfare
wayfarer
wayfarers
wayfaring
wayfaringly
wayfarings
wayfellow
waygang
waygate
waygoer
waygoing
waygoings
waygone
waygoose
wayhouse
waying
waylaid
waylaidlessness
wayland
waylay
waylayer
waylayers
waylaying
waylays
wayleave
wayless
waymaker
wayman
waymark
waymate
waymen
wayment
wayne
waypost
ways
wayside
waysider
waysides
waysiding
waythorn
wayward
waywarden
waywardly
waywardness
waywiser
waywode
waywodeship
wayworn
waywort
wayzgoose
wazir
wazirate
wazirship
wb
wc
wd
we
we'd
we'll
we're
we've
weak
weakbrained
weaken
weakened
weakener
weakeners
weakening
weakens
weaker
weakest
weakfish
weakfishes
weakhanded
weakhearted
weakheartedly
weakheartedness
weakish
weakishly
weakishness
weaklier
weakliest
weakliness
weakling
weaklings
weakly
weakmouthed
weakness
weakness's
weaknesses
weaky
weal
weald
wealden
wealdish
wealds
wealdsman
wealdsmen
wealful
weals
wealsman
wealsome
wealth
wealthful
wealthfully
wealthier
wealthiest
wealthily
wealthiness
wealthless
wealthmaker
wealthmaking
wealthmonger
wealths
wealthy
weam
wean
weanable
weaned
weanedness
weanel
weaner
weaners
weanie
weaning
weanling
weanlings
weanly
weans
weanyer
weapon
weapon's
weaponed
weaponeer
weaponing
weaponless
weaponmaker
weaponmaking
weaponproof
weaponries
weaponry
weapons
weaponshaw
weaponshow
weaponshowing
weaponsmith
weaponsmithy
weapschawing
wear
wearability
wearable
wearables
weared
wearer
wearers
weariable
weariableness
wearied
weariedly
weariedness
wearier
wearies
wearest
weariful
wearifully
wearifulness
weariless
wearilessly
wearily
weariness
wearing
wearingly
wearish
wearishly
wearishness
wearisome
wearisomely
wearisomeness
wearproof
wears
weary
wearying
wearyingly
weasand
weasands
weasel
weasel's
weaseled
weaselfish
weaseling
weasellike
weaselly
weasels
weaselship
weaselskin
weaselsnout
weaselwise
weaser
weason
weasons
weather
weatherability
weatherbeaten
weatherboard
weatherboarding
weatherbound
weatherbreak
weathercast
weathercock
weathercock's
weathercockish
weathercockism
weathercocks
weathercocky
weathered
weatherer
weatherfish
weatherfishes
weatherglass
weatherglasses
weathergleam
weatherhead
weatherheaded
weathering
weatherize
weatherliness
weedkiller
weedless
weedlike
weedling
weedow
weedproof
weeds
weedy
week
weekday
weekdays
weekend
weekend's
weekended
weekender
weekending
weekends
weeklies
weekling
weeklong
weekly
weeknight
weeknights
weeks
weekwam
weel
weelfard
weelfaured
weem
weemen
ween
weendigo
weened
weeness
weenie
weenier
weenies
weeniest
weening
weenong
weens
weensier
weensiest
weensy
ween
weenty
weep
weftage
wefted
wefts
weftwise
weftwise
wefty
wegenerian
wegotism
wehee
wehner
wehrlite
weibyeite
weichselwood
weierstrassian
weigela
weigelas
weigelia
weigelia
weigelite
weigh
weighable
weighage
weighbar
weighbaur
weighbarm
weighbridge
weighbridgeman
weighed
weigher
weighers
weighership
weighhouse
weighin
weighing
weighings
weighlock
weighman
weighmaster
weighmen
weighment
weighs
weighshaft
weight
weightchaser
weighted
weightedly
weightedness
weighter
weighters
weightier
weightiest
weightily
weightiness
weighting
weightings
weightless
weightlessly
weightlessness
weightlifter
weightlifting
weightometer
weights
weightwith
weighty
weilang
weimaraner
weinbergerite
weiner
weiners
weinschenkite
weir
weirangle
weird
weirder
weirdest
weirdful
weirdie
weirdies
weirdish
weirdless
weirdlessness
weirdlike
weirdliness
weirdly
weirdness
weirdo
weirdoes
weirdos
weirds
weirdsome
weirdward
weirdwoman
weirdwomen
weirdy
weiring
weirless
welfaristic
weli
welk
welkin
welkinlike
welkins
well
wellacquainted
welladay
welladays
welladvised
wellaffected
wellat
wellaway
wellaways
wellbeing
wellborn
wellbred
wellchosen
wellconnected
wellcontent
wellcurb
wellcurbs
welldecked
welldoer
welldoers
welldoing
welldone
welled
weller
welleresque
wellerism
wellfound
wellfounded
wellhead
wellheads
wellhole
wellholes
wellhouse
wellhouses
wellies
welling
wellington
wellingtonia
wellingtonian
wellish
wellknown
wellmaker
wellmaking
wellman
wellmen
wellmost
wellnear
wellness
wellnesses
wellnigh
wellpoint
wellqueme
wellread
wellring
wells
wellseen
wellset
wellside
wellsite
wellsites
wellspoken
wellspring
wellsprings
wellstead
wellstrand
welly
wellyard
wels
welsbach
welsh
welshed
welsher
welsfers
welshes
welshing
welshman
welshmen
welsfry
welshwoman
welshwomen
welsium
welsom
welt
weltanschauung
weltanschauungen
welted
welter
weltered
weltering
welters
welterweight
welterweights
weling
weltings
welts
weltschmerz
welwitschia
wem
wemless
wemmy
wemodness
wen
wench
wench's
wenched
wenchel
wencher
wenchers
wenches
wenching
wenchless
wenchlike
wenchman
wenchmen
wend
wende
wended
wendic
wendigo
wendigos
wending
wendish
wends
wene
weneth
wenliche
wenlock
wennebergite
wennier
wenniest
wennish
wenny
wens
wensleydale
went
wentle
wentletrap
wenzel
westham
westing
westinghouse
westings
westlan
westland
westlander
westlandways
westlaw
westlin
westling
westlings
westlins
westme
westmeless
westminster
westmost
westness
westnorthwestwardly
westphalia
westralian
wests
westward
westwardly
westwardmost
westwards
westwork
westy
wet
weta
wetback
wetbacks
wetbird
wetchet
wether
wetherhog
wethers
wetherteg
wetland
wetlands
wetly
wetness
wetnesses
wetproof
wets
wetsuit
wettability
whatman
whatna
whatness
whatnot
whatnots
whatre
whatreck
whats
whatsis
whatso
whatsoe'er
whatsoe'er
whatsoever
whatsomever
whatten
whatzit
whau
whauk
whaup
whaups
whaur
whauve
wheal
whealed
whealing
wheals
whealworm
whealy
wheam
wheat
wheatbird
wheatear
wheateread
wheatears
wheaten
wheatflakes
wheatgrass
wheatgrower
wheaties
wheatland
wheatless
wheatlike
wheatmeal
wheats
wheatstalk
wheatstone
wheatworm
wheaty
wheels
wheelman
wheelmen
wheelsmith
wheelspin
wheelswarf
wheelway
wheelwise
wheelwork
wheelworks
wheelwright
wheelwrighting
wheelwrights
wheely
wheem
ween
weencat
weenge
weens
weep
weeped
weeping
weeple
weepled
weeples
weepingling
weeps
weer
weerikins
weesht
weetle
weeze
weezed
weezer
weezers
weezes
weezier
weeziest
weezily
weeziness
weezing
weezingly
weezle
weezy
weft
wein
wekau
weki
whigmaleeries
whigmaleery
whigmeleerie
whigs
whigship
whikerby
while
whileas
whiled
whileen
whilend
whilere
whiles
whiley
while
whiling
whilk
whill
whillaballoo
whillaloo
whillikers
whillikins
whillilew
whilly
whillywha
whilock
whilom
whils
whilst
whilter
whim
whim's
whimberry
whimble
whimbrel
whimbrels
whimling
whimmed
whimmier
whimmiest
whimming
whimmy
whimper
whimpered
whimperer
whimpering
whimperingly
whimpers
whims
whimsey
whimseys
whimsic
whimsical
whimsicalities
whimsicality
whimsically
whimsicalness
whimsied
whimsies
whimstone
whimsy
whimsy's
whimwham
whimwhams
whin
whinberries
whinberry
whinchacker
whinchat
whinchars
whincheck
whincow
whindle
whine
whined
whiner
whiners
whines
whinestone
whiney
whing
whinge
whinger
whinier
whiniest
whininess
whining
whiningly
whinnel
whinner
whinnied
whinnier
whinnies
whinniest
whinnock
whinny
whinnying
whins
whinstone
whiny
whinyard
whip
whip's
whipbelly
whipbird
whipcat
whipcord
whipcords
whipcordy
whipcrack
whipcracker
whipcraft
whipgraft
whipjack
whipking
whiplash
whiplashes
whiplike
whipmaker
whipmaking
whipman
whipmanship
whipmaster
whipoorwill
whippa
whippable
whipparee
whipped
whipper
whipper's
whipperginny
whippers
whippersnapper
whippersnappers
whippertail
whippet
whippeter
whippets
whippier
whippiest
whippiness
whipping
whipping's
whippingly
whippings
whippletree
whippoorwill
whippoorwills
whippost
whippowill
whippy
whipray
whiprays
whips
whipsaw
whipsawed
whipsawing
whipsawn
whipsaws
whipsawyer
whipship
whipsocket
whipstaff
whipstaffs
whipstalk
whipstall
whipstaves
whipster
whipstick
whipstitch
whipstitching
whipstock
whipt
whiptail
whiptails
whiptree
whipwise
whipworm
whipworms
whir
whirken
whirl
whirlabout
whirlbat
whirlblast
whirlbone
whirlbrain
whirled
whirler
whirlers
whirley
whirlgig
whisk
whiskbroom
whisked
whisker
whiskerage
whiskerando
whiskerandoed
whiskerandos
whiskered
whiskerer
whiskerette
whiskerless
whiskerlike
whiskers
whiskery
whisket
whiskey
whiskeys
whiskful
whiskied
whiskies
whiskified
whiskin
whisking
whiskingly
whisks
whisky
whiskyfied
whiskylike
whisp
whisper
whisperable
whisperation
whispered
whisperer
whisperhood
whispering
whisperingly
whisperingness
whisperings
whisperless
whisperous
whisperously
whisperproof
whispers
whispery
whiss
whissle
whist
whisted
whister
whisterpoop
whisting
whistle
whistleable
whistlebelly
whistled
whistlefish
whistlefishes
whistledlike
whistler
whistlerism
whistlers
whistles
whistlewing
whistlewood
whistlike
whistling
whistlingly
whistly
whistliness
whists
whit
whitblow
white
whiteacre
whiteback
whitebait
whitebark
whitebeam
whitebeard
whitebelly
whitebelt
whiteberry
whitebill
whitebird
whiteblaze
whiteblow
whitebottle
whiteboy
whitecap
whitecapper
whitecapping
whitecaps
whitechapel
whitecoat
whitecomb
whitecorn
whitecup
whited
whitedamp
whiteface
whitefeet
whitefieldian
whitefish
whitefisher
whitefishery
whitefishes
whiteflies
whitefly
whitefoot
whitefootism
whitehall
whitehanded
whitehass
whitehawse
whitehead
whiteheads
whiteheart
whitehearted
whitelike
whiteline
whitely
whiten
whitened
whitener
whiteners
whiteness
whitening
whitenose
whitens
whiteout
whiteouts
whitepot
whiter
whiteroot
whiterump
whites
whitesark
whiteseam
whiteshank
whiteside
whiteslave
whitesmith
whitespace
whitest
whitestone
whitestraits
whitetail
whitethorn
whitethroat
whitetip
whitetop
whitevein
whiteveins
whitewall
whitewalls
whitewards
whiteware
whitewash
whitewashed
whitewasher
whitewashes
whitewashing
whiteweed
whitewing
whitewood
whiteworm
whitewort
whitey
whitey's
whitfield
whitfinch
whither
whitherso
whithersoever
whitherto
whitherward
whitherwards
whitier
whities
whitiest
whitin
whiting
whitings
whitish
whitishness
whitleather
whitleather
whitlow
whitlows
whitlowwort
whomso
whomsoever
whone
who
whoof
whoop
whoope
whooped
whoopee
whoopees
whooper
whoopers
whooping
whoopingly
whoopla
whooplas
whooplike
whoops
whooses
whoosh
whooshed
whooshes
whooshing
whoosies
whoosis
whoosises
whoosy
hoot
whop
whopped
whopper
whoppers
whopping
whops
whorage
whore
whore's
whored
whoredom
whoredoms
whorehouse
whorehouses
whoreishly
whoreishness
whorelike
whoremaster
whoremasterly
whoremastery
widemouthed
widen
widened
widener
wideners
wideness
wideneses
widening
widens
wider
widershins
wides
widespread
widespreadedly
widespreading
widespreadly
widespreadness
widest
widewhere
widework
widgeon
widgeons
widget
widgets
widgie
widish
widiorror
widow
widowed
widower
widowered
widowerhood
widowers
widowership
widowery
widowhood
widowing
widowish
widowlke
widowly
widowman
widowmen
widows
widowy
width
widthless
widths
widthway
wifething
wifeward
wifie
wifiekie
wifing
wifish
wifock
wig
wig's
wigan
wigans
wigdom
wigeling
wigeon
wigeons
wigful
wigged
wiggen
wigger
wiggeries
wiggery
wiggling
wiggings
wiggish
wiggishness
wiggism
wiggle
wiggled
wiggler
wigglers
wiggles
wigglier
wiggliest
wiggling
wiggly
wiggy
wigher
wight
wightly
wightness
wights
wigless
wiglet
wiglets
wiglike
wigmake
wigmaker
wigmakers
wigmaking
wigs
wigtail
wigwag
wigwagged
wigwagger
wigwagging
wigwags
wigwam
wigwams
wikite
wiking
wikiup
wikiups
wikiwiki
wilco
wilcoxon
wilcweme
wild
wildbore
wildcard
wildcat
wildcat's
wildcats
wildcatted
wildcatter
wildcatting
wildebeest
wildebeeste
wildebeests
wiled
wilder
wildered
wilderedly
wildering
wilderment
wildern
wilderness
wildernesses
wilders
wildest
wildfire
wildfires
wildflower
wildflowers
wildfowl
wildfowler
wildfowling
wildfowls
wildgrave
wilding
wildings
wildish
wildishly
wildishness
wildlife
wildlike
wildling
wildlings
wildly
wildness
wildnesses
wils
ewldsome
ewldtype
wildwind
wildwood
wildwoods
wile
wiled
wileful
wiless
wileproof
wiles
wilful
wilfully
wilfulness
wilga
wilgers
wilier
wiliet
wilily
wiliness
wilinesses
wiling
wiliwili
wilk
wilkeite
wilkin
will
willable
willawa
willble
willed
willedness
willemite
willowlike
willows
willowware
willowweed
willowworm
willowwort
willowy
willpower
wills
willy
willyard
willyart
willyer
willying
willywaw
willywaws
wilning
wilrone
wilroun
wilsome
wilsomely
wilsomeness
wilson
wilsonian
wilt
wilted
wilter
wilting
wilton
wiltproof
wils
wiltshire
wily
wilycoat
wim
wimberry
wimble
wimbled
wimblelike
wimbles
wimbling
wimbrel
wime
wimick
wimlunge
wimple
wimpled
wimpleless
wimplelike
wimpler
wimples
wimpling
win
winare
winberry
winbrow
wince
winced
wincer
wincers
winces
wincey
winceyet
winceys
winch
winched
wincher
winchers
winches
winchester
winching
winchman
winchmen
wincing
wincingly
wincopipe
wind
windable
windage
windages
windas
windbag
windbagged
windbaggery
windbags
windball
windberry
windbibber
windblast
windblown
windboat
windbore
windbound
windbracing
windbreak
windbreaker
windbreaks
windbroach
windburn
windburned
windburning
windburns
windburnt
windcatcher
windcheater
windchest
windchill
windclothes
windcuffer
winddog
winded
windedly
windedness
windel
winder
windermost
winders
windfall
windfallen
windfalls
windfanner
windfirm
windfish
windfishes
windflaw
windflaws
windflower
windflowers
windgall
windgalled
windgalls
windhole
windhover
windier
windiest
windigo
windigos
windill
windily
windiness
winding
windingly
windingness
windings
windowshopping
windowshut
windowsill
windowward
windowwards
windowwise
windowy
windpipe
windpipes
windplayer
windproof
windring
windroad
windrode
windroot
windrow
windrowed
windrower
windrowing
windrows
winds
windsail
windsailor
windscoop
windscreen
windshake
windshield
windshields
windship
windshock
windslab
windsock
windsocks
windsor
windsorite
windstorm
windstorms
windstream
windsucker
windsurf
windswept
windtight
windup
windups
windward
windwardly
windwardmost
windwardness
windwards
windway
windways
windwayward
windwaywardly
windy
windz
wine
wineball
wineberries
wineberry
winebibber
winebibbery
winebibbing
wineconner
wined
winedraf
wineglass
wineglasses
wineglassful
wineglassfuls
winegrower
winegrowing
winehouse
wineier
wineiest
wineless
winelike
winemake
winemaker
winemaking
winemaster
winemay
winepot
winepress
winepresser
winer
wineries
winers
winery
wines
wineshop
wineshops
wineskin
wineskins
winesop
winesops
winetaster
winetasting
winetree
winevat
winey
wineyard
winfree
winful
wing
wingable
wingate
wingback
wingbacks
wingbeat
wingbow
wingbows
wingcut
wingding
wingdings
winged
wingedly
wingedness
winger
wingers
wingfish
wingfishes
winghanded
wingier
wingiest
winging
wingle
wingless
winglessness
winglet
winglets
winglike
wingman
wingmanship
wingmen
wingover
wingovers
wingpiece
wingpost
wings
wingseed
wingspan
wingspans
wingspread
wingspreads
wingstem
wingtip
wingy
winier
winiest
wining
winish
wink
winked
winkel
winkelman
winker
winkered
winkers
winking
winkingly
winkle
 winkled
winklehawk
winklehole
winkles
winklet
winkling
winklot
winks
winless
winklestraé
winy
winna
winnable
winnard
winned
winnel
winnelstraé
winner
winner's
winners
winning
winningly
winningness
winnings
winninish
winnipeg
winnle
winnock
winnocks
winnonish
winnow
winnowed
winnower
winnowers
winnowing
winnowingly
winnows
wino
winoes
winos
winrace
winrow
wins
winslow
winsome
winsomely
winsomeness
winsomer
winsomest
winster
wint
winter
winterage
winterberry
winterbloom
winterbound
winterbourne
wintercreeper
winterdykes
wintered
winterer
winterers
winterfed
winterfeed
winterfeeding
winterffed
wintergreen
wintergreens
winterhain
winterier
winteriest
wintering
winterish
winterishly
winterishness
winterization
winterize
winterized
winterizes
winterizing
winterkill
winterkilled
winterkilling
winterkills
winterless
winterlike
winterliness
winterling
winterly
winterproof
winters
wintersome
wintertide
wintertime
winterward
winterwards
winterweed
winterweight
wintery
wintle
wintled
wintles
wintling
wintrier
wintriest
wintrify
wintrily
wintriness
wintrish
wintrous
wintry
winy
winze
winzeman
winzemen
winzes
wipe
wiped
wipeout
wipeouts
wiper
wipers
wipes
wiping
wippen
wips
wipstock
wir
wirable
wirble
wird
wire
wirebar
wirebird
wirecutters
wired
wiredancer
wiredancing
wiredraw
wiredrawer
wiredrawing
wiredrawn
wiredraws
wiredrew
wiregrass
wirehair
wirehaired
wirehairs
wireless
wirelessly
wirelessed
wirelesses
wirelessing
wirelessly
wirelessness
wirelike
wiremaker
wiremaking
wireman
wiremen
wiremonger
wirephoto
wirephotos
wirepull
wirepuller
wirepullers
wirepulling
wirer
wirers
wires
wiresmith
wiresonde
wirespun
wirestitched
wiretail
wiretap
wiretap's
wiretapped
wiretapper
wiretappers
wiretapping
wiretaps
wirewalker
wireway
wireways
wireweed
wirework
wireworker
wireworking
wireworks
wireworm
wireworms
wirier
wiriest
wirily
wiriness
wirinesses
wiring
wirings
wirl
wirling
wirr
wirra
wirrah
wirrasthru
wiry
wis
wisconsin
wisconsinite
wisconsinites
wisdom
wisdomful
wisdomless
wisdomproof
wisdoms
wisdomship
wise
wiseacre
wiseacred
wiseacredness
wiseacredom
wiseacreish
wiseacreishness
wiseacreism
wiseacres
wisecrack
wisecracked
wisecracker
wisecrackers
wisecrackery
wisecracking
wisecracks
wised
wiseguy
wisehead
wisehearted
wiseheartedly
wiseheimer
wiselier
wiseliest
wiselike
wiseling
wisely
wiseman
wisen
wiseness
wisenesses
wisehenimer
wisent
wisents
wiser
wises
wisest
wiseweed
wisewoman
wisewomen
wish
wisha
wishable
wishbone
wishbones
wished
wishedly
wisher
wishers
wishes
wishful
wishfully
wishfulness
wishing
wishingly
wishless
wistlessness
wisty
wistonwish
wisits
wisure
wit
wit's
witan
witch
witchbells
witchbroom
witchcraft
witched
witchedly
witchen
witcher
witchercully
witcheries
witchering
witchery
witches
witchet
witchetty
witchgrass
witchhood
witchier
witchiest
witching
witchingly
witchings
witchleaf
witchlike
witchman
witchmonger
witchuck
witchweed
witchwife
witchwoman
witchwood
witchwork
witchy
wicraft
wite
wited
witeless
witen
witenagemot
witenagemote
withertip
witherwards
witherweight
withery
withes
withewood
withgang
withgate
withheld
withhele
withhie
withhold
withholdable
withholdal
withhelden
withholder
withholders
withholding
withholdings
withholdment
withholds
withhier
withhies
withhiet
within
withindoors
withinforth
withing
withins
withinside
withinsides
withinward
withinwards
withinay
withinness
withinim
withinlen
without
withoutdoors
withouten
withoutforth
withouts
withoutside
withoutwards
withsave
withsaw
withsay
withsayer
withset
withslip
withspar
withstand
withstander
withstanding
withstandingness
withstands
withstay
withstood
withstrain
withtake
withtee
withturn
withvine
withwind
withy
withhypot
withywind
witing
witjar
witless
witlessly
witlessness
witlet
witing
witlings
witloof
witloofs
witlosen
witmonger
witness
witnessable
witnessdom
witnessed
witnesser
witnessers
witnesses
witnesseth
witnessing
witney
witneyer
witneys
wits
witsafe
witship
wittal
wittall
wittawer
witteboom
witted
wittedness
written
witter
wittering
witterly
witterness
wittercaster
witterchenite
wittericism
witterisms
witterize
witterier
witteriest
witterified
witterily
witteriness
wittering
witterite
witteringly
witterings
witterol
witterolly
witterols
witterome
wittery
witterwall
witterwanton
witterword
witterworm
witterchoura
wive
wived
wiver
wivern
wiverns
wivers
wives
wiving
wiwi
wiz
wizard
wizard’s
wizards
wizardess
wizardism
wizardlike
wobbles
wobblier
wobbliest
wobbliness
wobbling
wobblingly
wobbly
wobegone
wobegoneness
wobegonish
webster
wocas
wocheinite
wod
woddie
wode
wodeleie
woden
wodenism
wodge
wodgy
woe
woebegone
woebegoneness
woebegonish
woefare
woeful
woefuller
woefullest
woefully
woefulness
woehlerite
woeness
woenesses
woes
woesome
woevine
woeworn
woffler
woft
woful
wofully
wofulness
wog
woggle
woghorn
wogiet
wolframate
wolframic
wolframine
wolframinium
wolframite
wolfranium
wolframs
wolfs
wolfsbane
wolfsbanes
wolfsbergite
wolfskin
wolward
wolfwards
wollastonite
wollock
wollomai
wollop
wolly
wolter
wolve
wolveboon
wolver
wolverene
wolverine
wolverines
wolvers
wolves
wolvish
woman
woman's
womanbodies
womanbody
womandom
womaned
womanfolk
womanfully
womanhead
womanhearted
womanhood
womanhouse
womaning
womanise
womanised
womanises
womanish
womanishly
womanishness
womanising
womanism
womanist
womanity
womanization
womanize
womanized
womanizer
womanizers
womanizes
womanizing
womankind
womanless
womanlier
womanliest
womanlihood
womanlike
womanlikeness
womanliness
womanly
womanmuckle
womanness
womanpost
womanpower
womanproof
womans
womanship
womanways
womanwise
womb
womb's
wombat
wombats
wombed
wombier
wombiest
womble
wombs
wombside
wombstone
womby
women
women's
womenfolk
womenfolks
womenkind
womenswear
womera
wong
wonga
wongah
wongen
wongshy
wongsky
woning
wonk
wonkier
wonkiest
wonky
wonna
wonned
wonner
wonners
wonning
wonnot
wons
wont
wonted
wontedly
wontedness
wonting
wontless
wonton
wontons
wonts
woo
wooable
wood
woodagate
woodbark
woodbin
woodbind
woodbinds
woodbine
woodbined
woodbines
woodbins
woodblock
woodblocks
woodborer
woodbound
woodbox
woodboxes
woodburning
woodbury
woodburytype
woodbush
woodcarver
woodcarvers
woodcarving
woodcarvings
woodchat
woodchats
woodchopper
woodchopping
woodchuck
woodchuck's
woodchucks
woodcoc
woodcock
woodcock's
woodcockize
woodcocks
woodcracker
woodcraf
woodcraft
woodcrafter
woodcraftiness
woodcraftsman
woodcrafty
woodcreeper
woodcut
woodcuts
woodcutter
woodcutters
woodcutting
wooded
wooden
woodendite
woodener
woodenest
woodenhead
woodenheaded
woodenheadedness
woodenly
woodenness
woodenware
woodenweary
wooden
woodfall
woodfish
woodgeld
woodgrain
woodgraining
woodgrouse
woodgrub
woodhack
woodhacker
woodhen
woodhens
woodhewer
woodhole
woodhorse
woodhouse
woodhouses
woodhung
woodie
woodier
woodies
woodiest
woodine
woodiness
wooding
woodish
woodjobber
woodkern
woodknacker
woodland
woodlander
woodlands
woodlark
woodlarks
woodless
woodlessness
woodlet
woodlike
woodlind
woodlocked
woodlore
woodlores
woodlot
woodlots
woodlouse
woodly
woodmaid
woodman
woodmancraft
woodmanship
woodmen
woodmonger
woodmote
woodness
woodsy
woodturner
woodturning
woodwale
woodwall
woodward
woodwardship
woodware
woodwax
woodwaxen
woodwaxes
woodwind
woodwinds
woodwise
woodwork
woodworker
woodworking
woodworks
woodworm
woodworms
woodwose
woodwright
woody
woodyard
wooed
wooer
wooeers
woof
woofed
woofell
woofe
woofers
woofing
woofs
woofy
woohoo
wooming
woomingly
wool
woold
woolded
woolder
woolding
wooled
woolen
woolenet
woolenette
woolenization
woolskins
woolsorter
woolsorting
woolsower
woolstapling
woolstock
woolulose
woolward
woolwasher
woolweed
woolwheel
woolwich
woolwinder
woolwork
woolworker
woolworking
woolworth
wooly
woom
woomer
woomera
woomerah
woomerang
woomeras
woomp
woomping
woon
woons
woops
woorali
wooralis
woorari
wooraris
woordbook
woos
woosh
wooshed
wooshes
wooshing
wooster
wootz
woozer
wooziest
woozily
wooziness
woozle
woozy
wop
woppish
wops
wopsy
worse
worcester
worcestershire
word
word's
wordable
wordably
wordage
wordages
wordbook
wordbooks
wordbreak
wordbuilding
wordcraft
wordcraftsman
worded
worder
wordhoard
wordier
wordiers
wordiest
wordily
wordiness
wording
wordings
wordish
wordishly
wordishness
wordle
wordlength
wordless
wordlessly
wordlessness
wordlier
wordlike
wordlore
wordlorist
wordmaker
wordmaking
wordman
wordmanship
wordmen
wordmonger
wordmongering
wordmongery
wordness
wordperfect
wordplay
wordplays
wordprocessors
words
wordsman
wordsmanship
wordsmen
wordsmith
wordspinner
wordspite
wordstar
wordster
wordsworthian
wordy
wore
work
workability
workable
workableness
workably
workaday
workaholic
workaholics
workaholism
workaway
workbag
workbags
workbank
workbasket
workbench
workbench's
workbenches
workboat
workboats
workbook
workbook's
workbooks
workbox
workboxes
workbrittle
workday
workdays
worked
worker
workers
workfellow
worldwards
worldway
worldwide
worldwideness
worldly
worm
wormcast
wormed
wormer
wormers
wormfish
wormfishes
wormgear
wormhole
wormholed
wormholes
wormhood
wormian
wormier
wormiest
wormil
wormils
worminess
woring
wormish
wormless
wormlike
wormling
wormproof
wormroot
wormroots
worms
wormseed
wormseeds
wormship
wormweed
wormwood
wormwoods
wormy
worn
wornil
wormness
wormnesses
wormout
worral
worrel
worriable
worricow
wrenching
wrenchingly
wrenlet
wrenlike
wrens
wrentail
wrest
wrestable
wrested
wrester
wresters
wresting
wrestingly
wrestle
wrestled
wrestler
wrestlerlike
wrestlers
wrestles
wrestling
wrestlings
wrests
wretch
wretched
wretchededer
wretchedest
wretchededly
wretchedness
wretches
wretchless
wretchlessly
wretchlessness
wretchcock
wrible
wricht
wrck
wrde
wried
wrier
wries
wriest
wrig
wriggle
wriggled
wriggler
wrigglers
wriggles
wrigglesome
wrigglework
wrigglier
wriggliest
wriggling
wrigglingly
wriggly
wright
wrightine
wrighty
wrights
wrigley
wrihte
wripple
wring
wringbolt
wringed
wringen
wringers
wringing
wringe
wringman
wrings
wringstaff
wringstaves
wrinkle
wrinkleable
wrinkled
wrinkledness
wrinkledy
wrinkleful
wrinkleless
wrinkleproof
wrinkles
wrinklet
wrinklier
wrinkliest
wrinkling
wrinkly
wrist
wrist's
wristband
wristbands
wristbone
wristdrop
wristed
wristier
wristier
writmaker
writmaking
writproof
writs
written
witter
wriye
wrixle
wrizzled
wrnt
wro
wrocht
wroke
wroken
wrong
wrong'un
wrongdo
wrongdoer
wrongdoers
wrongdoing
wronged
wronger
wrongers
wrongest
wrongfile
wrongful
wrongfully
wrongfulness
wrongfuly
wronghead
wrongheaded
wrongheadedly
wrongheadedness
wronghearted
wrongheartedly
wrongheartedness
wronging
wrongish
wrongless
wronglessly
wrongly
wrongness
wrongous
wrongously
wrongousness
wrongrel
wrongs
wrongwise
wroot
wrossle
wrote
wroth
wrothe
wrothful
wrothfully
wrothily
wrothiness
wrothly
wrothsome
wrothy
wrought
wrox
wrung
wrungness
wry
wrybill
wryer
wryest
wrying
wryly
wrymouth
wrymouths
wryneck
wrynecked
wrynecks
wryness
wrynesses
wrytail
ws
wt
wud
wuddie
wudge
wudu
wuff
wugg
wuggishness
wulder
wulfenite
wulk
wull
wullawins
wulcat
wulliwa
wumble
wumman
wummel
wun
wunderbar
wunderkind
wunderkinder
wungee
wunna
wunner
wunsome
wuntee
wup
wur
wurley
wurleys
wurlies
wurly
wurmal
wurrung
wurrup
wurrus
wurset
wurst
wursts
wurtzilite
wurtzite
wurtzitic
wurzel
wurzel's
wus
wush
wusp
wuss
wusser
wust
wut
wuther
wuthering
wuzu
wuzzer
wuzzle
wuzzled
wuzzling
wuzzy
wy
wyandot
wyandotte
wych
wyches
wycliffite
wyclifian
wychcliffism
wyclifite
wyde
wye
wyes
wyke
wykehamical
wykehamist
wyle
wyled
wyles
wyliecoat
wylng
wymote
wyn
wynd
wyns
wyne
wynkernel
wynn
wynne
wynns
wynris
wyoming
wyomingite
wype
wyrock
wyson
wyss
wysty
wyte
wyted
wytes
wyting
wyve
wyver
wyvern
wyverns
x
x’ing
x’s
xalostockite
xanthaline
xanthamic
xanthamid
xanthamide
xanthan
xanthane
xanthans
xanthate
xanthates
xanthation
xanthein
xantheins
xanthelasma
xanthelasmic
xanthelasmoida
xanthene
xanthenes
xanthian
xanthic
xanthid
xanthide
xanthin
xanthindaba
xanthine
xanthines
xanthins
xanthinuria
xanthione
xanthippe
xanthism
xanthite
xanthiuria
xanthocarpous
xanthochroi
xanthochroia
xanthochroic
xanthochroid
xanthochroism
xanthochromia
xanthochromic
xanthochroous
xanthocobaltic
xanthocone
xanthoconite
xanthocreatinine
xanthocyanopia
xanthocyanopsia
xanthocyanopsy
xanthocyanopy
xanthoderm
xanthoderma
xanthodermatous
xanthodont
xanthodontous
xanthogen
xanthogenamic
xanthogenamide
xanthogenic
xantholeucophore
xanthoma
xanthomas
xanthomata
xanthomatosis
xanthomatous
xanthomelanous
xanthometer
xanthomyeloma
xanthone
xanthones
xanthophane
xanthophore
xanthophose
xanthophyl
xanthophyll
xanthophyllic
xanthophyllite
xanthophyllous
xanthopia
xanthopicrin
xanthopicrite
xanthoproteic
xanthoprotein
xanthoproteinic
xanthopsia
xanthopsin
xanthopsydraclia
xanthopterin
xanthopurpurin
xanthorhammin
xanthorrhoea
xanthosiderite
xanthosis
xanthospermous
xanthotic
xanthous
xanthoxenite
xanthoxylin
xanthrochroid
xanthuria
xanthydrol
xanthyl
xantippe
xarque
xat
xc
xcl
xctl
xd
xdiv
xebec
xebecs
xed
xeme
xenacanthine
xenagogue
xenagogy
xenarthral
xenarthrous
xenelasia
xenelasy
xenia
xenial
xenian
xenias
xenic
xenically
xenium
xenobiologies
xenobiology
xenobiosis
xenoblast
xenochia
xenocryst
xenocrystic
xenocyst
xenoderm
xenodiagnosis
xenodiagnostic
xenodocheion
xenodochia
xenodochium
xenodochy
xenogamies
xenogamous
xenogamy
xenogeneic
xenogenesis
xenogenetic
xenogenic
xenogenies
xenogenous
xenogeny
xenoglossia
xenograft
xenolite
xenolith
xenolithic
xenoliths
xenomania
xenomaniac
xenomorphic
xenomorphically
xenomorphosis
xenon
xenons
xenoparasite
xenoparasitism
xenopeltid
xenophile
xenophilism
xenophilous
xenophobe
xenophobes
xenophobia
xenophobic
xenophobian
xenophobic
xenophobism
xenophoby
xenophontean
xenophorlan
xenophthalmia
xenophya
xenoplastic
xenopodid
xenopodoid
xenopteran
xenopterygian
xenosaurid
xenosauroid
xenotime
xenotropic
xenyl
xenylamine
xerafin
xeransis
xeranthemum
xerantic
xeraphin
xerarch
xerasia
xeres
xeric
xerically
xeriff
xerocline
xeroderma
xerodermatic
xerodermatous
xerodermia
xerodermic
xerogel
xerographer
xerographic
xerographically
xerography
xeroma
xeromata
xeromenia
xeromorph
xeromorphic
xeromorphous
xeromorphy
xeromyron
xeromyrum
xeronate
xeronic
xerophagia
xerophagies
xerophagy
xerophil
xerophile
xerophilous
xerophilic
xerophobic
xerophobic
xerophthalmia
xerophthalmic
xerophthalmos
xerophthalmy
xerophyte
xerophytic
xerophytically
xerophytism
xiphosuran
xiphosure
xiphosurous
xiphuous
xiphydriid
xis
xiv
xix
xmas
xmases
xoana
xoanon
xoanona
xonotlite
xr
xray
xref
xs
xu
xurel
xvi
xvii
xviii
xw
xx
xxi
xxii
xxiii
xxiv
xxv
xxx
xyla
xylan
xylans
xylanthrax
xylate
xylem
xylems
xylene
xylenes
xylenol
xyleryl
xylethic
xyllic
xylidic
xylidin
xylidine
xylidines
xylidins
xylindein
xylinid
xylite
xylitol
xylitols
xylitone
xylo
xylobalsamum
xylocarp
xylocarpous
xylocarps
xylocopid
xylagen
xyloglyphy
xylograph
xylographer
xylographic
xylographical
xylographically
xylography
xyloid
xyloidin
xyloidine
xylol
xylology
xylols
xyloma
xylomancy
xylomas
xylomata
xylometer
xylon
xylonic
xylonite
xylonitrile
xylophagan
xylophage
xylophagid
xylophagous
xylophilous
xylophone
xylophones
xylophonic
xylophonist
xylophonists
xyloplastic
xylopolist
yaghourt
yagi
yagis
yagourundi
yagua
yaguarundi
yaguas
yaguaza
yah
yahan
yahoo
yahooism
yahooisms
yahoos
yahrzeit
yahrzeits
yahveh
yahweh
yahwism
yahwistic
yair
yaird
yairds
yaje
yajein
yajeine
yajenin
yajenine
yajnopavita
yak
yakalo
yakamik
yakattalo
yakima
yakin
yakitori
yakitoris
yakka
yakked
yakker
yakkers
yakking
yakmak
yakman
yaks
yaksha
yakshi
yalb
yarning
yarns
yarnwindle
yarovization
yarovize
yarovized
yarovizing
yarpha
yarr
yarraman
yarramen
yarran
yarringle
yarrow
yarrows
yarry
yarth
yarthen
yarwhelp
yarwhip
yas
yashiro
yashmac
yashmacs
yashmak
yashmaks
yasmak
yasmaks
yat
yatagan
yatagans
yataghan
yataghans
yatalite
yate
yati
yatter
yattered
yattering
yatters
yaud
yauds
yauld
yaup
yauped
yauper
yaupers
yauping
yest
yester
yesterday
yesterdayness
yesterdays
yestereve
yestereven
yesterevening
yestermorn
yestermorning
yestern
yesternight
yesternoon
yesterweek
yesteryear
yesteryears
yestreen
yestreens
yesty
yet
yeta
yetapa
yeth
yether
yethhounds
yeti
yetis
yetlin
yetling
yett
yetter
yetts
yetzer
yeuk
yeuked
yeukieness
yeuking
yeuks
yeuky
yeven
yew
yews
yezidi
yezzy
yfacks
yfere
yferre
ygapo
ygerne
yggdrasil
yhwh
yi
yid
yiddish
yids
yield
yieldable
yieldableness
yieldance
yielded
yielden
yielder
yielders
yielding
yieldingly
yieldingness
yields
yieldy
yigh
yike
yikes
yill
yills
yilt
yin
yince
yins
yinst
yip
yipe
yipes
yipped
yippee
yippie
yippines
yipping
yips
yird
yirds
yirk
yirm
yirmilik
yirn
yirr
yirred
yirring
yokefellow
yokel
yokeldom
yokeless
yokelish
yokelism
yokelry
yokels
yokemate
yokemates
yokemating
yoker
yokes
yokewise
yokewood
yoking
yokohama
yokozuna
yokozunas
yoks
yoky
yolden
yoldring
yolk
yolked
yokier
yolkiest
yolkiness
yolkless
yolks
yolky
yom
yomer
yomim
yomin
yon
yoncopin
yond
yonder
yondmost
yondward
yoni
yonic
yonis
yonker
yonkers
yonner
yonnie
yttrocolumbite
tyttrocrasite
tyttrofluorite
tyttrogummite
tyttrotantalite
yuan
yuans
yuca
yuca tec
yucca
yuccas
yucch
yuch
yuck
yucked
yuckel
yucker
yuckier
yuckiest
yucking
yuckle
yucks
yucky
yuf
yug
yuga
yugada
yugas
yugoslav
yugoslavia
yugoslavian
yugoslavians
yugoslavs
yuh
yuk
yukata
yuke
yukked
yukkel
yukking
yukon
yukks
yul	
yulans
yule
yuleblock
yules
yuletide
zaddickim
zaddik
zaddikim
zadraga
zaftar
zaftars
zafter
zafters
zaftir
zaftirs
zaftre
zaftree
zaftres
zaftree
zaftig
zag
zagai
zagged
zagging
zags
zaguan
zaibatsu
zain
zaire
zaire
zairian
zairians
zak
zakah
zakat
zakkeu
zakuska
zakuski
zalambodont
zalamboodont
zaman
zamang
zamarra
zamarras
zamarro
zamarrros
zambac
zambezi
zambia
zambian
zambians
zambo
zambomba
zamboorak
zambra
zamia
zamias
zamindar
zamindari
zamindars
zamindary
zaminder
zamorin
zamorine
zamouse
zampogna
zanana
zananas
zander
zanders
zandmole
zanella
zaniere
zanies
zaniest
zanily
zaniness
zaninesses
zaniero
zanjon
zanjona
zant
zante
zantewood
zanthoxylum
zantiote
zany
zanyish
zanyism
zanyship
zanza
zanzas
zanze
zanzibar
zap
zapas
zapateado
zapateados
zapateo
zapateos
zapatero
zaphara
zaphrentid
zaphrentoid
zapota
zapote
zapped
zapping
zaps
zaptiah
zaptiahs
zaptieh
zaptiehs
zapupe
zaqqum
zar
zarabanda
zarathustrian
zaratite
zaratites
zareba
zarebas
zareeba
zareebas
zarf
zarfs
zariba
zaribas
zarneac
zarnich
zarp
zarzuela
zarzuelas
zastruga
zastrugi
zat
zati
zattare
zax
zaxes
zayat
zayin
zayins
zazen
zazens
zea
zeal
zealand
zealander
zealanders
zealed
zealful
zealless
zeallessness
zealot
zealotic
zealotical
zealotism
zealotist
zealotries
zealotry
zealots
zealous
zealously
zealousness
zealousy
zealproof
zeals
zeatin
zeatins
zeaxanthin
zebec
zebeck
zebecks
zebecs
zebedee
zebra
zebra's
zebrafish
zebrafishes
zebraic
zebralike
zebras
zebrass
zebrasses
zebrwood
zebrine
zebrinnies
zebrinny
zebroid
zebrula
zebrule
zebu
zebuh
zebulun
zeburro
zebus
zecchin
zecchini
zecchino
zecchinos
zecchins
zechariah
zechin
zechins
zechstein
zed
zedoaries
zedoary
zeds
zee
zeed
zeekoe
zees
zehner
zeilanite
zein
zeins
zeism
zeiss
zeist
zeitgeist
zek
zeks
zel
zelant
zelator
zelatrice
zelatrix
zelkova
zelkovas
zelophobia
zelotic
zelotypia
zelotypie
zeme
zemeism
zemi
zemiism
zemindari
zemindar
zemindari
zemindars
zemindary
zemmi
zeugmatically
zeunerite
zeus
zeuxite
zeuxite
zeuzerian
zho
ziamed
ziara
ziarat
zibeline
zibelines
zibelline
zibet
zibeth
zibethone
zibeths
zibetone
zibets
zibetum
zic Zac
ziega
zieger
zietrisikite
ziff
ziffs
zig
zigamorph
zigan
ziganka
zigged
zigger
zigging
ziggurat
ziggurats
zigs
zigzag
zigzagged
zigzaggedly
zigzaggedness
zigzagger
zigzaggery
zigzagging
zigzaggy
zigzags
zigzagways
zigzagwise
zihar
zikkurat
zikkurats
zikurat
zikurats
zila
zilch
zilches
zilchviticetum
zill
zillah
zillahs
zillion
zillions
zillionth
zillionths
zills
zilpah
zimarra
zimb
zimbabwe
zimbalon
zimbaloon
zimbi
zimentwater
zimme
zimmis
zimmy
zimocca
zinc
zincalo
zincate
zincates
zinced
zincenite
zincic
zincid
zincide
zinciferous
zincification
zincified
zincifies
zincify
zincifying
zincing
zincite
zincites
zincize
zincke
zinjanthropus
zink
zinke
zinked
zinkenite
zinkiferous
zinkified
zinkifies
zinkify
zinkifying
zinky
zinnia
zinnias
zinnwaldite
zinober
zinsang
zinyamunga
zinziberaceous
zion
zionism
zionist
zionists
zip
ziphian
ziphoid
zipless
zipped
zippeite
zipper
zippered
zippering
zippers
zipper
zippier
zippiest
zipping
zippingly
zippier
zippapiest
zippy
zips
zira
zirai
ziram
zirams
zircalloy
zircaloy
zircite
zircofluoride
zonked
zonnar
zonochlorite
zonociliate
zonoid
zonolimnetic
zonoplacental
zonoskeleton
zonta
zonula
zonulae
zonular
zonulas
zonule
zonules
zonulet
zonure
zonurid
zonuroid
zoo
zoo's
zoobenthic
zoobenthos
zooblast
zoocarp
zoocarcidium
zoocem
zoocentral
zoocentral
zoocyst
zoocystic
zoocytial
zoocytium
zoodeendria
zoodeendrium
zoodynamic
zoodynamics
zooecia
zooecial
zooecium
zooerastia
zooerythrin
zooflagellate
zoofulvin
zoogamete
zoogamous
zoogamy
zoogene
zoogenesis
zoogenic
zoogenous
zoogenic
zoogeny
zoogeog
zoogeographer
zoogeographic
zoogeographical
zoogeographically
zoogeographies
zoogeography
zoogeological
zoogeologist
zoogeology
zooglea
zoogleae
zoogleal
zoogleas
zoogler
zoogloea
zoogloeae
zooglocal
zoogloes
zoogloecic
zoogonic
zoogonidium
zoogonous
zoogony
zograft
zografting
zographer
zographic
zoographical
zoographically
zographe
zoo
zoooidal
zooidiophilous
zoooids
zookers
zooks
zool
zoolater
zoolaters
zoolatria
zoolatries
zootrous
zoolatry
zoolite
zoolith
zoolithic
zoolitic
zoologer
zoologic
zoological
zoologically
zoologicarchaeologist
zoologicbotanical
zoologies
zoologist
zoologists
zoologize
zoologized
zoologizing
zoology
zoom
zoomagnetic
zoomagnetism
zoomancy
zoomania
zoomanias
zoomantic
zoomantist
zoomechanical
zoomechanics
zoomed
zoomelanin
zoometric
zoometrical
zoometries
zoometry
zoomimetic
zoomimic
zooming
zoomorph
zoomorphic
zoomorphism
zoomorphize
zoomorphs
zoomorphy
zooms
zoon
zoona
zoonal
zoonerythrin
zoonic
zoonist
zoonite
zoonitic
zoonomia
zoonomic
zoonomical
zoonomist
zoonomy
zoonoses
zoonosis
zoonosologist
zoonosology
zoonotic
zoons
zoonule
zoopaleontology
zoopantheon
zooparasite
zooparasitic
zoopathological
zoopathologies
zoopathologist
zoopathology
zoopathy
zooperal
zooperist
zoopery
zoophagan
zoophagous
zoophagus
zoopharmacological
zoopharmacy
zoophile
zoophiles
zoophilia
zoophilic
zoophilies
zoophilism
zoophilist
zoophilite
zoophilitic
zoophilous
zoophil'y
zoophilism
zoophile
zoophobes
zoophobia
zoophobic
zoophorous
zoophorus
zoophysical
zoophysicist
zoophysics
zoophysiology
zoophytal
zoophyte
zoophytes
zoophytic
zoophytical
zoophytish
zoophytography
zoophytoid
zoophytological
zoophytologist
zoophytology
zooplankton
zooplanktonic
zooplasm
zooplasty
zoopraxiscopes
zoopsia
zoopsychological
zoopsychologist
zoopsychology
zoos
zooscopic
zooscopy
zoosis
zoosmosis
zoosperm
zoospermatic
zoospermia
zoospermium
zoosperms
zoospgia
zoosphere
zoosporange
zoosporangia
zoosporangial
zoosporangiophore
zoosporangium
zoospore
zoospores
zoosporic
zoosporiferous
zoosporocyst
zoosporous
zoosterol
zootaxonomist
zootaxy
zootechnic
zootechnical
zootecnician
zoootechnics
zootechny
zooter
zootheica
zootheical
zoothecium
zootheism
zootheist
zootheistic
zootherapy
zoothome
zotic
zootomic
zootomical
zootomically
zootomies
zootomist
zootomy
zoototemism
zootoxin
zootrophic
zootrophy
zooty
zotype
zootypic
zooxanthella
zooxanthellae
zooxanthhin
zoozoo
zugtierlaster
zugzwang
zuisin
zulu
zulus
zumatic
zumbooruk
zuni
zunian
zunis
zunyte
zupanate
zurich
zurlite
zuurveldt
zuza
zwanziger
zwieback
zwiebacks
zwieselite
winglian
witter
witterion
witterionic
zydeco
zydecos
zyga
zygadenin
zygadenine
zygadite
zygaena
zygaenid
zygal
zygantra
zygantrum
zygapophyseal
zygapophyses
zygapophysial
zygapophysis
zygenid
zygion
zygite
zygnemaceous
zygnemataceous
zygobranch
zygobranchiate
zygodactyl
zygodactyle
zygodactylic
zygodactylism
zygodactylous
zygodont
zygogenesis
zygogenetic
zygoid
zygolabialis
zygoma
zygomas
zygomata
zygomatic
zygomaticauricular
zygomaticauricularis
zygomaticofacial
zygomaticfrontal
zygomaticomaxillary
zygomaticoorbital
zygomaticosphenoid
zygomaticotemporal
zygomaticum
zygomaticus
zygomaxillare
zygomaxillary
zygomorphic
zygomorphism
zygomorphous
zygomorphy
zygomycete
zygomycetes
zygomycetous
zygon
zygoneure
zygophore
zygophoric
zygophyceous
zygophyllaceous
zygophyte
zygopleural
zygopteran
zygopterid
zygopteran
zygopterous
zygose
zygoses
zygosis
zygosities
zygosity
zygosperm
zygosphenal
zygosphene
zygosphere
zygosporangium
zygospore
zygosporic
zygosporophore
zygostyle
zygotic
zygotically
zygotoblast
zygotoid
zygotomere
zygous
zygozoospore
zymase
zymases
zyme
zymes
zymic
zymin
zymite
zymochemistry
zymogen
zymogene
zymogenes
zymogenesis
zymogenic
zymogenous
zymogens
zymogram
zymograms
zymoid
zymologic
zymological
zymologies
zymologist
zymology
zymolyis
zymolysis
zymolytic
zymome
zymometer
zymomin
zymophore
zymophoric
zymophosphate
zymophyte
zymoplast
zymosan
zymosans
zymoscope
zymoses
zymosimeter
zymosis
zymostereol
zymosthenic
zymotechnic
zymotechnical
zymotechnics
zymotechny
zymotic
zymotically
zymotize
zymotoxic
zymurgies
zymurgy
zythem
zythum
zyzzyva
zyzzyvas

Found in path(s):
No license file was found, but licenses were detected in source scan.

QUICK START

17 May 93

Copy all the files on all the disks to a folder on your hard disk
(make sure you have at two (4) megabytes of free space on
your hard disk for each disk of Moby product).
Change your current directory ('CD') to that folder,
type BUILD and press (enter).
The files that are extracted may be viewed and edited by
any capable text-editor, such as Microsoft Word 5.x.
Moby (tm) Words II Documentation Notes

This documentation, the software and/or database are:

Copyright (c) 1988-93, Grady Ward. All Rights Reserved.
3449 Martha Ct.
Arcata, CA  95521-4884  USA
(707) 826-7715 (voice/24-hr 7 day FAX)
grady@netcom.com

License Agreement
This documentation, software and/or database was developed
and copyrighted by Grady Ward and is licensed, not sold, to
you on a non-exclusive, non-transferable basis. The documentation,
software and/or database and derivative works of this database
may not be copied in whole or part except for archival purposes
as provided by law. If you have purchased the commercial license,
Grady Ward explicitly grants you the limited right to create and
market data structures or knowledge bases derived this work
without further payment of a license fee, as long as the purpose
and effect of that data structure or knowledge base is other than
re-distributing that Grady Ward data structure or database. (In
other words, you can freely distribute data structures based upon
any or all of this work as long as you take reasonable care to
prevent unlicensed persons and organizations from accessing
the ASCII source.)

Willful copyright violations are both a civil and a criminal offense [17USC500]

Disclaimer of Warranty

This documentation, software and/or database is sold "as is"
and without express or implied warranties as to performance
or merchantability for a particular purpose. The user is advised
to test the documentation, software and/or database thoroughly
before relying on it. The user assumes the entire risk of using
this documentation, software and/or database and any liability
of seller or manufacturer will be limited to product replacement
or refund of the license fee.

Moby (tm) Words II for the MSDOS operating system is compressed
and distributed on two 1.4MB double-sided diskettes. After
self-extraction, the vocabulary files included with this product
are in ordinary ASCII format with CRLF (ASCII 13/10) delimiters.

MOBY WORDS II CONTENTS
354,984 single words
Over 354,000 single words, excluding proper names, acronyms, or compound words and phrases. This list does not exclude archaic words or significant variant spellings.

256,772 compound words
Over 256,700 hyphenated or other entries containing more than one word as well as all capitalized words and acronyms. Phrases were considered 'common' if they or variations of them occur in standard dictionaries or thesauruses.

113,809 official crosswords
A list of words permitted in crossword games such as Scrabble™. Compatible with the first edition of the Official Scrabble Players Dictionary™. Since this list has all forms: -ing, -ed, -s, and so on of words, it makes a good addition when building a custom spelling dictionary.

4,160 official crosswords delta
When combined with the 113,809 crosswords file, it produces the official crossword list compatible with the second edition of the Official Scrabble Players Dictionary. (Scrabble is a registered trademark of Milton-Bradley licensed to Merriam-Webster.)

74,550 common dictionary words
A list of words in common with two or more published dictionaries. This gives the developer of a custom spelling checker a good beginning pool of relatively common words.

21,986 names
This database contains the most common names used in the United States and Great Britain. Spelling checkers may want to supplement their basic word list with this one.

4,946 female names
frequent given names of females in English speaking countries

3,897 male names
frequent given names of males in English speaking countries

10,196 places
a large selection of place names in the United States

1,000 by frequency
This file consists of the 1,000 most frequently used English words from a wide variety of common texts listed in decreasing order of frequency

1,000 by frequency internet
This file consists of the 1,000 most frequently used
English words as used on the Internet computer network in 1992.

6,213 acronyms
common acronyms & abbreviations

1,185 King James Version frequent substrings
The most frequently occurring 1,185 substrings in the King James
Version Bible ranked and counted by order of frequency.

467 current fiction substrings
The most frequently occurring 467 substrings occurring in a

USA Constitution
The Constitution of the United States, including the Bill of Rights
and all amendments current to 1993.

NOTE: Accents have been stripped from words, e.g., 'etude'
does not mark the accent on the initial 'e'.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018810361_1591391354.1/0/words-3.0-28.el8.src.rpm-cosi-expand-archive-
  8fdAoiao/mwords.tar.Z-cosi-expand-archive-uMQXM7Yc/mwords/readme.txt
No license file was found, but licenses were detected in source scan.

$100-a-plate dinner
'tween deck
'tween-decks
'-s
-a
-ability
-able
-ably
-ac
-aca
-acea
-acea
-acean
-aceous
-acious
-acitate
-acity
-acy
-ad
-ade
-adelphia
-adelphous
-by
-cade
-caine
-cardia
-carp
-carpic
-carpous
-cele
-cene
-centric
-cephalic
-cephalus
-cercal
-chore
-chrome
-chroous
-cidal
-cide
-clase
-cle
-clinal
-cline
-clinic
-clinous
-coccus
-coelele
-colous
-cotyl
-cracy
-crat
-cula
-cule
-culus
-cy
-cyst
-cyte
-dactylous
-decker
-derm
-derma
-dermatous
-dermis
-diene
-dom
-drome
-dromous
-ean
-ectomy
-igious
-itis
-itol
-itous
-ity
-ium
-ive
-ization
-ize
-izer
-ji
-kin
-kinesis
-kins
-lalia
-lashed
-later
-latry
-le
-lent
-lepsy
-less
-let
-lewe
-like
-ling
-lings
-lipped
-lite
-lith
-lithic
-lived
-lock
-log
-loger
-logian
-logic
-logist
-logue
-logy
-long
-ly
-lysis
-lyte
-lytic
-lyze
-m
-machy
-mancy
-mane
-mania
-maniac
-mantic
-mas
-masted
-mastix
-meal
-ment
-mer
-mere
-merism
-merous
-meter
-metric
-metry
-mo
-mony
-more
-morph
-morphic
-morphism
-morphosis
-morphous
-morphy
-most
-motored
-mycete
-n
-n't
-nasty
-naut
-ness
-nik
-nomy
-o
-o-
-ock
-ocracy
-ode
-odont
-odontia
-ography
-oic
-oid
-oidal
-oidea
-ol
-olater
-ole
-ology
-oma
-ome
-ometer
-on
-one
-onium
-ont
-onym
-oon
-opathy
-opia
-opolis
-opsis
-opsy
-or
-oria
-orial
-orious
-rium
-ory
-ose
-osis
-osity
-ostosis
-ot
-ote
-otic
-our
-ous
-para
-parous
-path
-pathy
-ped
-pede
-person
-petal
-petalous
-phage
-phagia
-phagous
-phagy
-phane
-phany
-rights
-rrhagia
-rrhea
-rrhine
-rrhiza
-rrhoea
-ry
-s
-s'
saur
-scape
-scope
-scopy
-sect
-sepalous
-shaped
-ship
-sided
-sider
-sis
-some
-somic
-sophy
-sperm
-spermy
-sphere
-sporous
-spory
-st
-stasis
-stat
-ster
-stichous
-stome
-stomous
-stomy
-stress
-stylar
-stylous
-sy
-tactic
-taxis
-taxy
-teen
-termer
-th
-thecium
-theism
-theist
-ther
-therium
-therm
-thermy
-thymia
-tion
-tious
-to-be
-tome
-tomy
-tonia
-tress
-trice
-trices
-trichous
-trix
-tron
-trope
-trophic
-trophy
-tropic
-tropism
-tropous
-tropy
-tude
-ty
-type
-ular
-ule
-ulent
-ulose
-ulous
-uous
-ure
-uret
-urgy
-uria
-urient
-uronic
-urous
-valent
-ville
-visaged
-vorous
-ward
-wards
-way
-ways
-wick
-wise
-witted
-worthy
-y
-yer
-yl
-yne
-zoa
-zoic
-zoon
-zygous
-zyme
10 Downing Street
10-point
11-point
12-point
1200 hours
16-point
18-point
2,4,5-t
2,4-d
20-point
2D
3-D
3-D display
3-d
30-30
3D
3M
4-D
48-point
4GL
4H
5-T
5-point
6-point
7-point
8-point
9-point
A
A & M
A & R
A B C powder
A C E mixture
A Luoi
A acid
A and M
A at Lloyd's
A battery
A board
A bond
A derrick
A horizon
A la marengo
A la maryland
A level
A major
A minor
A natural
A number
A number 1
A one
A per se
A pole
A powder
A power supply
A star
A string
A supply
A switchboard
A to Z
A to izzard
A&M
A&P
A'asia
A's
A-1
A-B station
A-OK
A-Z test
A-and-R
A-axes
A-axis
A-b-c book
A-b-c method
A-blast
A-bomb
A-bomb shelter
A-day
A-flat
A-flat major
A-frame
A-line
A-one
ABC Powers
ABC's
ABCs
ABEL
ABEPP
ABFM
ABHC
ABI
ABLS
ABM
ABO system
ABPC
ABS
ABSBH
AC
AC arc
AC motor
AC welder
AC-DC
AC/DC
ACAA
ACAS
ACAWS
ACB
ACBL
ACC
ACCRA
ACCS
ACCT
ACD
ACDA
ACE
ACE mixture
ACF
ACGI
ACH
ACHEFT
ACK
ACL
ACLS
ACLU
ACM
ACO
ACOF
ACP
ACRNEMA
ACRV
ACS
ACSE
ACSNET
ACSU
ACT
ACTH
ACTPU
ACTS
ACTU
ACTUP
ACU
ACV
ACW
ACWA
ACWP
AD
ADA
ADB
ADC
ADCCP
ADCI
ADD
ADDCCP
ADEW
ADF
ADFRF
ADI
ADIZ
ADM
ADMD
ADN
ADP
ADPCM
ADS
ADSP
ADSR
ADT
AE
AE & P
AEA
AEC
AEF
AEGIS
AES
AET
AEU
AF
AF amplification
AF amplifier
AFA
AFACTS
AFADS
AFAM
AFATDS
AFB
AFC
AFC mixer
AFCAC
AFCC
AFGE
AFI
AFIPS
AFL
AFL-CIO
AFLCIO
AFM
AFNOR
AFP
AFS
AFSC
AFSCME
AFSK
AFT
AFTRA
AFUU
AG
AGC
AGCA
AGCA radar
AGCT
AGD
AGE
AGL
AGM
AGMA
AGN
AGR
AGS
AGU
AH
AHA
AHE
AHL
AHQ
AHS
AI
AI radar
AIA
AIAA
AIC
AICC
AID
AIDDE
AIDS
AIEEE
AIF
AIH
AIM
AIME
AIMS
AIOD
AIPS
AIR
AIS
AISI
AISI steel
AIX
Alnd
AJ
AJA
AJC
AK
AKA
AKA boat
AKC
AL
ALA
ALAP
ALBM
ALBO
ALC
ALEXIS
ALFA
ALFE
ALGOL
ALI
ALIT
ALM
ALP
ALPO
ALRU
ALS
ALU
AM
AM broadcasting
AM receiver
AM signal
AM station
AM transmitter
AM tuner
AM-FM receiver
AM-FM tuner
AMA
AMACS
AMARC
AMASE
AMAT
AMATPS
AMBA
AMC
AMD
AMDG
AME
AMEDS
AMERITECH
AMEX
AMI
AMICE
AMIChemE
AMIMechE
AMLS
AMORC
AMP
AMPAS
AMPS
AMRAAM
AMROC
AMS
AMSAT
AMSW
AMT
AMU
AMVET
AN
AN Other
ANA
ANAC
ANC
AND circuit
ANDF
ANF
ANG
ANI
ANIF
ANL
ANOVA
ANPA
ANSI
ANTA
ANTU
ANU
ANZUS
ANZUS Council
ANZUS Pact
ANZUS Treaty
AO
AOA
AOCS
AOL
AOP
AOPA
AOQ
AOS
AOSS
AOU
AOW
AP
APA
APA boat
APB
APC
APDA
APDU
APE
APG
API
APICS
APJ
APM
APO
APP
APPD
APPC
APR
APRA
APS
APSA
APSE
APT
APU
AQ
AQL
AR
ARA
ARAMIS
ARC
ARCM
ARCNET
ARCO
ARCS
ARE
ARENA
ARF
ARIS
ARM
ARO
ARP
ARPA
ARPANET
ARQ
ARRL
ARS
ARSA
ARSB
ARSM
ART
ARTCC
ARTEMIS
ARU
ARV
AS
ASA
ASA exposure index
ASA scale
ASA/BS
ASAIGAC
ASAP
ASC
ASCAP
ASCC
ASCII
ASCQ
ASDIC
ASDSP
ASEAN
ASG
ASHRAE
ASI
ASIC
ASIO
ATR
ATR box
ATR switch
ATRS
ATS
ATT
ATTC
ATTCOM
ATTIS
ATV
AU
AUA
AUC
AUDIX
AUEW
AUI
AUM
AUP
AURA
AUS
AUTODIN
AUTOVON
AUX
AUXF
AV
AVC
AVD
AVLIS
AVM
AW
AWACS
AWB
AWEA
AWG
AWK
AWL
AWOL
AWST
AWU
AXAF
AY
AYH
AZ
Aaberg
Aachen
Aalborg
Aalesund
Aalst
Aalto
Aandahl
Aani
Aaqhiye
Aar
Aara
Aarau
Aaren
Aargau
Aarhus
Aarika
Aaron
Aaron Broten
Aaron Krickstein
Aaron's beard
Aaron's rod
Aaron's-beard
Aaronic
Aaronic priesthood
Aaronical
Aaroneite
Aaronicritic
Aaronsburg
Aaronsone
Aaru
Ab
Aba
Ababa
Ababdeh
Ababua
Abaco
Abad
Abadan
Abaddon
Abadite
Abagacl
Abagacll
Abagtha
Abailard
Abakan
Abakumov
Abama
Abana
Abanic
Abantes
Abarambo
Abarbarea
Abaris
Abas
Abasgi
Abassieh
Abassin
Abate
Abatua
Abba
Abba Eban
Abbadide
Abbai
Abbasid
Abbasside
Abbasside
Abbate
Abbe
Abbe condenser
Abbe number
Abbe’s sine condition
Abbevilean
Abbeville
Abbevillian
Abbey
Abbey Theatre
Abbi
Abbie
Abbot
Abbot of Unreason
Abbotsen
Abbotsford
Abbotson
Abbotsun
Abbott
Abbott papyrus
Abbottson
Abbottstown
Abboud
Abby
Abbye
Abbyville
Abd-el Krim
Abd-el-Kadir
Abd-el-Krim
Abdel
Abdel Hakim Amer
Abdel Rahman Hakki
Abdel Rahman Iriani
Abdel Salam Aref
Abdelhadi Boutaleb
Abdelkarim Gheraieb
Abdella
Abderhalden
Abderian
Abderite
Abderus
Abdias
Abdiel
Abdominales
Abdon
Abdou Diouf
Abdu
Abdul
Abdul Jafar Khan
Abdul Khaalis
Abdul Rahman Hourieh
Abdul-Aziz
Abdul-Hamid II
Abdul-Medjid I
Abdul-Medjid I
Abdul-Salam Jalloud
Abdul-baha
Abdulla
Abdullah Al-Sallal
Abe
Abe Lincoln in Illinois
Abe Pollin
Abebe Mekonnen
Abebi
Abednego
Abeid Karume
Abel
Abelard
Abelard and Heloise
Abelia
Abelian
Abelian group
Abelicia
Abelite
Abell
Abelmoschus
Abelonian
Abelson
Abencerrages
Abenezra
Abekukuta
Abercrombie
Abercromby
Aberdare
Aberdeen
Aberdeen Angus
Aberdeen terrier
Aberdeenshire
Aberdonian
Aberfan
Aberglaube
Aberia
Abernant
Abernathy
Abernon
Abert
Aberystwyth
Abey
Abgatha
Abhidamma Pitaka
Abhorson
Abia
Abiathar
Abib
Abidjan
Abie
Abies
Abietineae
Abiezer
Abigail
Abigail
Abigale
Abihu
Abijah
Abilene
Abilyne
Abimelech
Abineri
Abingdon
Abinger
Abington
Abinoam
Abinoem
Abipon
Abiquiu
Abisag
Abisha
Abishag
Abisia
Abitibi
Abroma
Abroms
Abronia
Abrus
Abruzzi
Absa
Absalom
Absalom and Achitophel
Absaraka
Absaroka
Absaroka Range
Absarokee
Absecon
Absent voting
Abshier
Absi
Absolute
Absyrtus
Abt system
Abu
Abu Alam
Abu Daoud
Abu Dhabi
Abu Egeila
Abu Iyad
Abu Jihad
Abu Nidal
Abu Rudeis
Abu Simbel
Abu-Bekr
Abucay
Abukir
Abul Abbas
Abulfeda
Abuna
Abundantia
Abury
Abuta
Abutilon
Abydos
Abyla
Abyss
Abyssinia
Abyssinian
Abyssinian Church
Abyssinian banana
Abyssinian cat
Abyssinian well
Ac
Acacallis
Acacea
Acaceae
Acacia
Acacia Avenue
Acadian
Academic
Academus
Academy
Academy Award
Acadia
Acadia National Park
Acadian
Acadie
Acena
Acalepha
Acalephae
Acalia
Acalypha
Acalypterae
Acalyptrata
Acalyptratae
Acamar
Acamas
Acampo
Acanthaceae
Acantharia
Acanthia
Acanthocephala
Acanthocephali
Acanthocereus
Acanthodea
Acanthodei
Acanthodes
Acanthodidae
Acanthodii
Acanthodini
Acantholimon
Acanthomeridae
Acanthopanax
Acanthophis
Acanthopteri
Acanthopterygii
Acanthuridae
Acanthurus
Acapulco
Acapulco de Juarez
Acapulco gold
Acarapis
Acarida
Acaridea
Acarina
Acarnan
Acarus
Acastus
Acca larentia
Accad
Accadian
Accalia
Accipiter
Accipitres
Accius
Accokeek
Accomac
Accoville
Accra
Accrington
Accutron
Ace
Ace bandage
Ace elastic bandage
Aceldama
Acemetae
Acemetic
Acephala
Acephali
Acephalina
Acephalite
Acer
Aceraceae
Acerae
Acerata
Acerates
Aceratherium
Acerbas
Acesius
Acessamenus
Acestes
Acetabularia
Acetaminophen
Acetes
Acetobacter
Acey
Achab
Achad
Achaea
Achaean
Achaean League
Achaean league
Achaemenes
Achaemenian
Achaemenid
Achaemenidae
Achaemenides
Achaemenidian
Achaemenids
Achaenodon
Achaeta
Achaeus
Achagua
Achaia
Achaian
Achakzai
Achamoth
Achan
Achango
Achariaceae
Achariaceous
Acharnians
Achates
Achatina
Achatinella
Achatinidae
Achaz
Achelous
Achen
Acherman
Achernar
Acheron
Acheronian
Achernotic
Acherontical
Acheson
Achetidae
Acheulean
Acheulian
Achill
Achill Island
Achille
Achille Lauro
Achillea
Achillean
Achilleid
Achilles
Achilles and Patroclus
Achilles heel
Achilles reflex
Achilles tendon
Achilles' heel
Achilles' reflex
Achilles' tendon
Achillize
Achimaa
Achimelech
Achimenes
Achinese
Achish
Achitophel
Achlamydeae
Achmed
Achmeha
Acholoe
Achomawi
Achordata
Achorion
Achorn
Achras
Achroanthes
Achromatiaceae
Achromatum
Achromobacter
Achromobacteriaceae
Achromycin
Achsah
Achuas
Achyranthes
Achyrodes
Acidalia
Acidanthera
Acidaspis
Acie
Acieral
Acilius
Acima
Acineta
Acinetae
Acinetaria
Acinetina
Acipenser
Acipenseri
Acipenserae
Acipenseridae
Acipenseroidae
Acis
Ack Emma
Acker
Ackerley
Ackerly
Ackerman
Ackermanville
Ackler
Ackley
Ackworth
ACLEMON
Acmaea
Acmaeidae
Acmispon
Acom
Acnida
Acocanthera
Acoe
Acoelomata
Acoelomí
Acoemetae
Acoemeti
Acoemetic
Acol
Acolapissa
Acolhua
Acolhuan
Acoma
Aconcagua
Aconitum
Acontias
Acontius
Acorus
Acosta
Acousticon
Acquah
Acquaviva
Acra
Acrab
Acraea
Acraeinae
Acrania
Acrasiaceae
Acrasiales
Acrasida
Acrasieae
Acraspeda
Acre
Acrea moth
Acredula
Acres
Acrididae
Acrididae
Acridiidae
Acridium
Acrilan
Acrisisus
Acrita
Acroa
Acrobates
Acrocarpi
Acrocera
Acroceraatidae
Aerceraunian
Acroceridae
Acrochordidae
Acrochordinae
Acroclinium
Acrocomia
Acrocorinth
Acrodus
Acrogynae
Acromyodi
Acronycta
Acropolis
Acropora
Acrostichceae
Acrostichium
Acrrothoracica
Acrotreta
Acrotretidae
Acrux
Acrydium
Act of Parliament clock
Act of Toleration
Act of Uniformity
Act term
Acta
Acta Sanctorum
Actaea
Actaeaceae
Actaeon
Actaeonidae
Actiad
Actian
Actinia
Actiniaria
Actinidia
Actinidiaceae
Actiniomorpha
Actinistia
Actinobacillus
Actinocriniidae
Actinocrinus
Actinoidea
Actinomyces
Actinomycetaceae
Actinomycetales
Actinomyxidia
Actinomyxidiida
Actinonema
Actinophrys
Actinopoda
Actinopteri
Actinopterygii
Actinosphaerium
Actinozoa
Actipylea
Actis
Actium
Acton
Actor
Actoridae
Actors' Equity Association
Acts
Acts of the Apostles
Acuan
Acubens
Aculeata
Acus
Acushnet
Acustilinguae
Acworth
Ad
Ada
Adabel
Adabelle
Adachi
Adad
Adah
Adaha
Adai
Adaiha
Adair
Adairsville
Adairville
Adaize
Adal
Adala
Adalai
Adalard
Adalbert
Adalheid
Adali
Adalia
Adaliah
Adalie
Adaline
Adall
Adallard
Adam
Adam tiler
Adam's Rib
Adam's ale
Adam's apple
Adam's fall
Adam's offspring
Adam's seed
Adam's wine
Adam's-needle
Adam-and-Eve
Adam-and-eve
Adama
Adamas
Adamastor
Adamawa
Adamawa-Eastern
Adamec
Adamek
Adamello
Adamhood
Adamic
Adamical
Adamically
Adamik
Adamina
Adaminah
Adamis
Adamite
Adamitic
Adamitical
Adamitism
Adamkiewicz reaction
Adamo
Adamok
Adams
Adams-Stokes disease
Adams-Stokes syndrome
Adamsbasin
Adamsburg
Adamsen
Adamsia
Adamski
Adamson
Adamson act
Adamson flue
Adamson ring
Adamstown
Adamsun
Adamsville
Adan
Adana
Adansonia
Adao
Adapa
Adapis
Adar
Adar Sheni
Adara
Adaurd
Aday
Adcock antenna
Adda
Addam
Addams
Addi
Addia
Addie
Addiego
Addiel
Addievile
Addington
Addis
Addis Ababa
Addison
Addison's disease
Addisonian
Addisoniana
Address to the Deil
Addressograph
Addu
Addy
Addyston
Ade
Adebayo
Adee
Adel
Adel Hassaib
Adela
Adelaida
Adelaide
Adelaja
Adelanto
Adelartha
Adelarthrosomata
Adelbert
Adele
Adelea
Adeleidae
Adelges
Adelheid
Adelia
Adelice
Adelie Land
Adelie penguin
Adelina
Adelind
Adeline
Adeliza
Adell
Adella
Adelle
Adelhochorda
Adelops
Adelphe
Adelphi
Adelphia
Adelphian
Adelpho
Adelphi
Adelric
Aden
Adena
Adenanthera
Adenauer
Adenophora
Adenostoma
Adeodatus
Adeodatus I
Adeodatus II
Adeona
Adephaga
Ader
Adessenarian
Adest
Adey
Adger
Adhafera
Adham
Adhamh
Adhara
Adhern
Adi
Adi-buddha
Adiana
Adiantum
Adib
Adib Daoudi
Adicea
Adie
Adiel
Adiell
Adige
Adigei
Adighe
Adigranth
Adigun
Adila
Adim
Adin
Adina
Adine
Adinida
Adirondack
Adirondack Mountains
Adirondack chair
Adirondack skiff
Adirondacks
Adis
Aditya
Adivasi
Adjunct in Arts
Adjuntas
Adkins
Adlai
Adlar
Adonais
Adonean
Adonia
Adoniad
Adonian
Adonias
Adonic
Adonica
Adonijah
Adoniram
Adonis
Adonoy
Adora
Adorantes
Adore
Adoree
Adoretus
Adorl
Adorne
Adoula
Adowa
Adoxa
Adoxaceae
Adramelech
Adrammelech
Adrastea
Adrastos
Adrastus
Adrea
Adrell
Adrenalin
Adrestus
Adria
Adriaen
Adriaens
Adrial
Adrian
Adrian I
Adrian II
Adrian III
Adrian IV
Adrian V
Adrian VI
Adriana
Adriane
Adrianna
Adriane
Adriano
Adrianople
Adrianople red
Adrianopolis
Adriatic
Adriatic Sea
Adriel
Adriell
Adrien
Adriena
Adriene
Adrienne
Adron
Adullam
Adullamite
Adur
Adurol
Aduwa
Advaita
Advent
Advent Sunday
Advent sunday
Adventism
Adventist
Advocate Depute
Adyge
Adygei
Adygei Autonomous Region
Adyghe
Adzharia
Adzharian
Aeacidae
Aeacides
Aeacus
Aeaea
Aeaean
Aechmagoras
Aechmophorus
Aecidiaceae
Aecidiomycetes
Aedes
Aedilberct
Aedon
Aeetes
Aegadean Islands
Aegadian Islands
Aegaeon
Aegates
Aegates Isles
Aegean
Aegean Islands
Aegean Sea
Aegeria
Aegeriidae
Aegesta
Aegeus
Aegia
Aegiale
Aegialeus
Aegalia
Aegialitis
Aegicores
Aegimius
Aegina
Aeginaea
Aeginetan
Aeginetan marbles
Aeginetic
Aegiochus
Aegipan
Aegir
Aegisthus
Aegithalos
Aegithognathae
Aegium
Aegle
Aegopodium
Aegospotami
Aegyptus
Aekerly
Aelber
Aelbert
Aella
Aello
Aeluroidea
Aenea
Aeneas
Aeneas Silvius
Aeneas Sylvius
Aeneid
Aeneolithic
Aeneus
Aeniah
Aenius
Aenneea
Aeolia
Aeolian
Aeolian Islands
Aeolian mode
Aeolic
Aeolicism
Aeolidae
Aeolides
Aeolididae
Aeolis
Aeolism
Aeolist
Aeolus
Aepyceros
Aepyornis
Aepyornithidae
Aepyornithiformes
Aeptus
Aequi
Aequian
Aequiculi
Aequipalpia
Aeria
Aerides
Aeriel
Aeriela
Aeriell
Aerobacter
Aerobranchia
Aerocharidae
Aeroflot
Aerojet
Aerol
Aeronautical and Space Sciences
Aerepe
Aerosol
Aescacus
Aeschines
Aeschylean
Aeschylean tragedy
Aeschylus
Aeschynanthus
Aeschynomene
Aesculaceae
Aesculapien
Aesculaipus
Aesculus
Aesepeus
Aeshma
Aesir
Aesop
Aesop prawn
Aesopian
Aesopian language
Aesopic
Aestatis
Aestii
Aesyetes
Aeterni Patris
Aethalides
Aethelbert
Aetheria
Aethionema
Aethra
Aethusa
Aethylla
Aetian
Aetna
Aetobatidae
Aetobatus
Aetolia
Aetolian
Aetolus
Aetomorphae
Aetosaurus
Af
Afar
Afars and Issas
Afars and the Issas
Afenil
Affer
Affra
Affrica
Afg
Afgh
Afghan
Afghan hound
Afgani
Afghanistan
Afifi
Aflex
Afr
Afra
Aframerican
Afrasia
Afrasian
Afric
Afric heat
Africa
Africah
African
African cherry-orange
African daisy
African dominoes
African elephant
African gray
African hunting dog
African lethargy
African lily
African mahogany
African marigold
African millet
African school
African sleeping sickness
African trypanosomiasi
African trypanosomiasis
African violet
African yellowwood
Africana
Africander
Africanderism
Africanism
Africanist
Africanization
Africanize
Africanized
Africanizing
Africanoid
Africanthropus
Afridi
Afrika
Afrikaans
Afrikah
Afrikander
Afrikander bond
Afrikanderdom
Afrikanderism
Afrikaner
Afrikanerdom
Afrikanerize
Afro
Afro-
Afro-American
Afro-Asian
Afro-Asiatic
Afro-Cuban
Afro-american
Afro-asiatic
Afro-chain
Afro-comb
Afro-european
Afro-semitic
Afroasiatic
Afrogaeae
Afrogaean
Afshah
Afshar
Afternoon of a Faun, The
Afton
Aftonian
Afyon
Afzelia
Ag
AgE
Aga Khan
Aga Khan III
Aga Khan IV
Agabus
Agace
Agaces
Agacles
Agade
Agadir
Agadir incident
Agag
Aganianian
Agalena
Agalenidae
Agalinis
Agama
Agamae
Agamede
Agamedes
Agamemnon
Agamidae
Agan
Agana
Aganice
Aganippe
Aganus
Agao
Agaonidae
Agapanthus
Agape
Agapemone
Agapemonian
Agapemonist
Agapemonite
Agapetidae
Agapetus I
Agapetus II
Agapornis
Agar
Agaricales
Agaricus
Agaristidae
Agartala
Agarum
Agassiz
Agastache
Agastreae
Agastrophus
Agasty
Agata
Agate
Agatha
Agathaea
Agatharchides
Agathaumas
Agathe
Agathis
Agatho
Agathocles
Agathon
Agathosma
Agathy
Agathyrsus
Agau
Agave
Agawam
Agaz
Agbogla
Agdistis
Age of Anxiety
Age of Aquarius
Age of Reason
Age of Reason, The
Age of the Red-Hot Mamas
Agee
Agelacrinites
Agelacrinitidae
Agelaius
Agelaus
Agen
Agena
Agenais
Agence France-Presse
Agenois
Agenor
Agent Orange
Ager Chawan
Ageratum
Agesilau II
Aggada
Aggadah
Aggadic
Aggadoth
Aggappe
Aggapperia
Aggappora
Aggarwal
Aggeus
Aggi
Aggie
Aggregata
Aggregatae
Aggri
Aggy
Agh
Agha Hilaly
Aghan
Aghlabite
Aghorapanthi
Aghori
Agialid
Agi
Agiel
Agin court
Agincourt
Agkistrodon
Aglaia
Aglaronema
Aglaoophon of Thasos
Aglao
Aglaspis
Aglauros
Aglauk
Agle
Agler
Aglianico del Vulture
Agrimonia
Agrinion
Agriocheridae
Agriocherus
Agronia
Agrionidae
Agriope
Agriotes
Agriotypidae
Agriotypus
Agrippina
Agrippa
Agrippina II
Agrius
Agromyza
Agromyzidae
Agropyron
Agrostemma
Agrostemma Githago
Agrostis
Agrotera
Agrotis
Agt
Aguacateca
Aguada
Aguadilla
Aguadulce
Aguanga
Aguas Calientes
Aguascalientes
Aguayo
Agudath yisrael
Agudist
Agueda
Agué
Aguilán
Aguila
Aguilar
Aguiñaldo
Aguirre
Aguidín
Agulhas
Agulhas Current
Agung
Aguste
Agustín
Agustín Alfaro
Agustin Munoz Grandes
Agway
Agyieus
Ah
Ahab
Ahantchuyuk
Aharon
Ahasuerus
Ahaz
Ahaziah
Ahders
Ahearn
Ahepatokla
Ahern
Ahet
Ahgwahtching
Ahhiyawa
Ahidjo
Ahiezer
Ahimaaz
Ahimelech
Ahir
Ahira
Ahisar
Ahishar
Ahithophel
Ahl
Ahlgren
Ahmad
Ahmadabad
Ahmadi
Ahmadiya
Ahmadnagar
Ahmadou
Ahmadpur
Ahmar
Ahmed
Ahmed Abdel Rahman
Ahmed Al Ghashmi
Ahmed Ben Bella
Ahmed Boucief
Ahmed Ghanahallah
Ahmed Hassan Al Bakr
Ahmed Hassan el Bakr
Ahmed Hassan el-Bakr
Ahmed Hussein
Ahmedabad
Ahmednagar
Ahmeek
Ahmose I
Ahnfelt's seaweed
Ahnfeltia
Ahola
Aholah
Aholla
Ahom
Ahoskie
Ahoufe
Ahouh
Ahousaht
Ahrendahronon
Ahrendt
Ahrens
Ahriman
Ahrimanian
Ahron
Ahsahka
Aht
Ahtena
Ahura Mazda
Ahura-mazda
Ahuzzath
Ahvaz
Ahvenanmaa
Ahwahnee
Ahwaz
Aia
Aias
Aiawong
Aibonito
Aich metal
Aida
Aida canvas
Aidan
Aiden
Aidenn
Aides
Aidin
Aidit
Aidoneus
Aidos
Aiea
Aiello
Aigialosauridae
Aigialosaurus
Aigneis
Aiken
Aila
Ailanthus
Ailbert
Aile
Ailee
Aileen
Ailene
Ailey
Aili
Ailie
Ailin
Ailina
Ailis
Ailleret
Ailsa
Ailssa
Ailsun
Ailuridae
Ailuroidea
Ailuropoda
Ailuropus
Ailurus
Ailyn
Aimak
Aime
Aimee
Aimil
Aimo
Aimore
Aimwell
Ain
Andrea
Ainslee
Ainsley
Ainslie
Ainsworth
Aintab
Ainu
Ainus
Air
Air Afrique
Air Age
Air Command
Air Corps
Air Defense Command
Air Force
Air Medal
Air National Guard
Air Officer
Air Police
Air Route Traffic Control Center
Air Scout
Air Transport Command
Air Transport Service
Air corps
Air council
Air medal
Air minister
Air ministry
Aira
Airborne Reconnaissance Force
Aircraft Recognition Society
Airdrie
Aire
Airedale
Airedale terrier
Airel
Aires
Airla
Airlee
Airlia
Airliah
Airlie
Airline Pilots Association
Airville
Airy
Airy disc
Aisha
Aisne
Aisne-Marne
Aissaoua
Aissor
Aistopoda
Aistopodes
Ait Ahmed Hocine
Aitken
Aitkenite
Aitkin
Aitutakian
Aius Locutius
Aix
Aix-en-Provence
Aix-la-Chapelle
Aix-la-chapelle
Aix-les-Bains
Aizoaceae
Aizoon
Ajaccio
Ajaja
Ajanen fir
Ajani
Ajanta
Ajatasatru
Ajax
Ajax the Lesser
Ajay
Ajit
Ajivika
Ajmer
Ajo
Ajodhya
Ajugha
Aka
Akaba
Akademi
Akal
Akali
Akammik
Akan
Akaneunik
Akania
Akaniaceae
Akanke
Akas-mukhi
Akaska
Akawai
Akbar
Akebia
Akeem Olajuwon
Akel
Akela
Akeldama
Akeley
Akeley camera
Aker
Akerboom
Akerley
Akers
Akeyla
Akeylah
Akh
Akha
Akhafia
Akhenaten
Akhetaton
Akhisar
Akhisar
Akhlame
Akhamatova
Akhnimic
Akhnaton
Akhziv
Akiachak
Akiak
Akiba
Akihito
Akili
Akim
Akimovsky
Akin
Akins
Akira
Akiskemikinik
Akita
Akiyenik
Akka
Akkad
Akkadian
Akkadist
Akkerman
Akbra
Aklog
Akmolinsk
Ako Adjai
Akontae
Akoulalion
Akra
Akrabattine
Akram Haurani
Akram Hourani
Akron
Aksel
Aksoyn
Aksum
Aktiengesellschaft
Aktistetae
Aktistete
Aktivismus
Aktivist
Aktyubinsk
Akure
Aladdin
Aladdin's lamp
Aladdinize
Aladfar
Aladinist
Alage
Alagez
Alagoas
Alagoz
Alai
Alai Mountains
Alain
Alain Chevrier
Alain Cote
Alain-Fournier
Alaine
Alair
Alakanuk
Alake
Alaki
Alala
Alalcomenean Athena
Alalcomeneus
Alamance
Alamanni
Alamannian
Alamannic
Alameda
Alamein
Alaminos
Alamo
Alamo Heights
Alamogordo
Alamosa
Alamota
Alan
Alan Aufzein
Alan Kulwicki
Alan Paton
Alan-a-dale
Alana
Alanah
Alanbrooke
Aland
Alane
Alangiacae
Alangium
Alanna
Alano
Alanreed
Alans
Alansen
Alanson
Alapaha
Alar
Alarbus
Alarcon
Alard
Alaria
Alaric
Alarice
Alarick
Alarise
Alarodian
Alas
Alascan
Alasdair
Alaska
Alaska Day
Alaska Highway
Alaska Peninsula
Alaska Range
Alaska cedar
Alaska cod
Alaska cotton
Alaska current
Alaska king crab
Alaska pollock
Alaska sable
Alaska time
Alaskan
Alaskan crab
Alaskan malamute
Alaskan orchis
Alastair
Alasteir
Alaster
Alastor
Alatea
Alathia
Alauda
Alaudidae
Alaunian
Alawi
Alaway
Alb
Alb sunday
Alba
Alba Flora
Alba Longa
Albacete
Albainn
Albamycin
Alban
Alban saint
Albana
Albanenses
Albanensian
Albanese
Albania
Albanian
Albany
Albany Congress
Albarran
Albategnius
Albatros
Albay
Albay Gulf
Albee
Albee operation
Albemarle
Albemarle Sound
Alben
Albeniz
Alber
Alberene
Alberic
Alberich
Alberik
Alberoni
Albers
Albert
Albert Bustamante
Albert Edward
Albert Hakim
Albert Hofstede
Albert I
Albert Lea
Albert Martin Artajo
Alberta
Albertí
Alberti bass
Albertina
Albertine
Albertínian
Albertist
Albertea
Alberto
Alberton
Albertson
Albertus Magnus
Albertville
Albi
Albia
Albian
Albie
Albigenses
Albigensian
Albigensianism
Albin
Albina
Albinoni
Albinus
Albion
Albion ware
Albireo
Albizu Campos
Albizzia
Albniz
Albococcus
Alboin
Alboran
Alborn
Albrecht
Albric
Albright
Albrightsville
Albruna
Albuca
Albuginaceae
Album elegans
Album graecum
Album grandiflorum
Albuna
Albunea
Albuquerque
Albur
Alburg
Alburga
Alburnett
Alburtis
Albury
Alby
Albyn
Alca
Alcaaba
Alcae
Alcaeus
Alcaic
Alcaics
Alcaids
Alcalde
Alcaligenes
Alcalzar
Alcan Highway
Alcandre
Alcantara
Alcantarines
Alcathous
Alcatraz
Alcazar
Alcazar de San Juan
Alcedines
Alcedinidae
Alcedininae
Alcedo
Alcelaphus
Alces
Alceste
Alcester
Alcestis
Alchemilla
Alchemist, The
Alchornea
Alchuine
Alcibiadean
Alcibiades
Alcibiades Arosemena
Alcicornium
Alcidae
Alcide
Alcides
Alcidice
Alcimede
Alcimedes
Alcimedon
Alcina
Alcline
Alcinia
Alcinous
Alcippe
Alcis
Alcithoe
Alcmaeon
Alcman
Alcmaon
Alcmena
Alcmene
Alco
Alcoa
Alcock
Alcoholics Anonymous
Alcolu
Alcon
Alcor
Alcora porcelain
Alcoran
Alcoranic
Alcoranist
Alcot
Alcotate
Alcott
Alcoa
Alcova
Alcuin
Alcuinian
Alcus
Alyonacea
Alyonaria
Alcyone
Alcyones
Alcyoneus
Alcyoniaceae
Alcyonium
Ald
Alda
Aldabra
Aldan
Aldarcie
Aldarcy
Aldas
Aldebaran
Alded
Alden
Aldenville
Alder
Alderamin
Aldercy
Alderman
Aldermaston
Alderney
Aldershot
Alderson
Alhafara
Alhafera
Aldie
Aldin
Aldine
Aldine book
Aldine edition
Aldington
Aldis
Aldis lamp
Aldm
Aldo
Aldon
Aldora
Aldos
Aldous
Aldred
Aldredge
Aldric
Aldrich
Aldridge
Aldridge-Brownhills
Aldrin
Aldrovanda
Alduino
Aldus
Aldus Manutius
Aldwin
Aldwon
Alea
Aleardi
Alebion
Alec
Alecia
Aleck
Alecto
Alectoraria
Alectorides
Alectoris
Alectoromorphae
Alectoropodes
Alectrion
Alectrionidae
Alectryon
Aleda
Aledo
Aleeece
Aleedis
Aleen
Aleetha
Alegre
Alegrete
Aleichem
Aleixandre
Alejandra
Alejandrina
Alejandro
Alejandro Pena
Alejo
Alejo Valdes
Alejoa
Alek
Alekhine
Aleknagik
Aleksander Fadeev
Aleksandr
Aleksandr Guryanov
Aleksandropol
Aleksandrov
Aleksandrovac
Aleksandrovska
Aleksin
Alem
Aleman
Alemanni
Alemannian
Alemannic
Alemannish
Alembert
Alemite
Alena
Alencon
Alencon diamond
Alencon lace
Alene
Alene Duerk
Alenson
Alentejo
Aleochara
Alep
Aleppine
Aleppo
Aleppo gall
Aleppo grass
Aleras
Aleris
Aleron
Ales
Ales Bebler
Alesandrini
Alesia
Alessandra
Alessandri
Alessandria
Alessandro
Aleta
Aletes
Aletha
Alethea
Alethia
Aletris
Aletta
Alette
Aleurites
Aleurobius
Aleurodes
Aleurodidae
Aleus
Aleut
Aleutian
Aleutian Islands
Aleutian current
Aleutian low
Aleutians
Aleutic
Alevitsa
Alex
Alexa
Alexander
Alexander Archipelago
Alexander Balian
Alexander Barmine
Alexander Eist
Alexander Godunov
Alexander Guterma
Alexander I
Alexander I Island
Alexander II
Alexander III
Alexander IV
Alexander Ivanchenko
Alexander Mogilny
Alexander Nevski
Alexander Severus
Alexander V
Alexander VI
Alexander VII
Alexander VIII
Alexander the Great
Alexander's Feast
Alexanderson
Alexandr
Alexandra
Alexandre
Alexandreid
Alexandretta
Alexandria
Alexandria senna
Alexandrian
Alexandrian Rite
Alexandrian school
Alexandrianism
Alexandrina
Alexandrine
Alexandrine liturgies
Alexandrine rat
Alexandrinus
Alexandro
Alexandropolis
Alexandros
Alexandroupolis
Alexas
Alexei
Alexei Adzhubei
Alexei Cepicka
Alexi
Alexia
Alexian
Alexiares
Alexicacus
Alexina
Alexine
Alexio
Alexis
Alexis Arguello
Alexis Mikhailovich
Alexishafen
Alexius
Alexius I
Alexius I Comnenus
Aley
Aleydis
Aleyrodes
Aleyrodidae
Alf
Alfadir
Alfarabius
Alfedena
Alfeo
Alfeus
Alfheim
Alfi
Alfie
 Alfieri
Alfirk
Alfons
Alfonse
Alfonse d'Amato
Alfonso
Alfonso X
Alfonso XII
Alfonso XIII
Alfonson
Alfonzo
Alford
Alfraganus
Alfred
Alfred the Great
Alfreda
Alfredo
Alfredo Christiani
Alfredo Cristiani
Alfredo Evangelista
Alfredo Stroessner
Alfric
Alfur
Alfurese
Alfuro
Alfy
Alg
Algalene
Algar
Algaroth
Algaroth powder
Algarsife
Algarsyf
Algarve
Algebar
Algeciras
Algedi
Algenib
Alger
Algeria
Algerian
Algerian War
Algerian stripe
Algerian wine
Algerine
Algernon
Alghero
Algic
Algie
Algieba
Algiers
Algol
Algol variable
Algoma
Algoman
Algomian
Algomic
Algona
Algonac
Algonkian
Algonkin
Algonkins
Algonquian
Algonquians
Algonquin
Algonquin Park
Algonquins
Algorab
Algores
Algren
Alguiere
Algy
Alhagi
Alhambra
Alhambraic
Alhambresque
Alhazen
Alhena
Ali
Ali Agah
Alisander
Alise Sainte Reine
Alisen
Alisha
Alisia
Alisma
Alismaceae
Alismales
Alismataceae
Aliso Beach
Alison
Alison Chadwick
Alissa
Alistair
Alister
Alisun
Alita
Alitalia
Alitha
Alithea
Alithia
Alitta
Alius
Alix
Aliza
Alka-Seltzer
Alkabo
Alkaíd
Alkalurops
Alkanna
Alkaphrah
Alkes
Alkhimovo
Alkmaar
Alkol
Alkoran
Alkoranic
All Black
All Fools' Day
All Hallow Even
All Quiet on the Western Front
All Saints' Day
All Souls' Day
All for Love
All red
All the King's Men
All's Well That Ends Well
All-American
All-british
All-caucasian
All-father
All-fatherhood
All-fatherly
All-india
All-russia
All-russian
All-southern
Alla
Allah
Allahabad
Allain
Allamanda
Allamuchy
Allan
Allan Bristow
Allan-a-Dale
Allana
Allanson
Allantoidea
Allard
Allardt
Allare
Allasch
Allayne
Allbee
Allcot
Alle
Alleldonia
Alleen
Alleene
Allegan
Allegany
Alleghanian
Alleghany
Alleghenian
Alleghenies
Allegheny
Allegheny Mountains
Allegheny barberry
Allegheny spurge
Allegheny vine
Allegra
Allegre
Allegro 1
Alleluia
Alleman
Allen
Allen Boesak
Allen Leavell
Allen Park
Allen Pedersen
Allen screw
Allen wrench
Allen-Doisy hormone
Allenby
Allendale
Allende
Allendorf
Allene
Allenhurst
Allenport
Allensville
Allentiac
Allentiacan
Allenton
Allentown
Allenwood
Alleppey
Alleras
Allerie
Alleris
Allerton
Allerton
Allervale pottery
Alley
Alleyn
Alleyne
Allgood
Allhallow
Allhallowmas
Allhallows
Allhallows eve
Allhallowtide
Alli
Alliaceae
Alliance
Allianora
Alliaria
Alliber
Allie
Allied
Allier
Allies
Allin
Allina
Allionia
Allioniaceae
Allis
Allisan
Allison
Allissa
Allista
Allister
Allistir
Allium
Allix
Allmon
Alloa
Allobroges
Allock
Allons
Allophylus
Allosaurus
Allotheria
Allotriognathi
Allouez
Alloway
Allport
Allred
Allrud
Allsopp
Allstate
Allston
Allsun
Allvar
Allveta
Allwein
Allworthy
Allx
Ally
Allyce
Allyn
Allyne
Allys
Allyson
Alma
Alma mater
Alma-Ata
Alma-Tadema
Almach
Almad
Almada
Almaden
Almagest
Almain
Almallah
Alman
Almanach de Gotha
Almanon
Almeda
Almeeta
Almeida
Almelo
Almena
Almera
Almeria
Almerian
Almeric
Almeta
Almida
Almighty
Almighty God
Almira
Almire
Almita
Almo
Almohad
Almohade
Almohades
Almon
Almond
Almont
Almoravid
Almoravide
Almoravides
Almund
Almuredin
Almyra
Alna
Alnaschar
Alnascharism
Alnico
Alnilam
Alnitak
Alnitham
Alnus
Alo
Aloadae
Alocasia
Alodee
Alodi
Alodie
Aloeus
Alogi
Alogian
Aloha
Aloidae
Aloin
Alois
Aloise
Aloisia
Aloisius
Aloke
Alon
Alonso
Alonsoa
Alonzo
Alope
Alopecias
Alopecurus
Alopecus
Alopia
Alopidae
Alorton
Alosa
Alost
Alost lace
Alouatta
Alouette
Aloxe-Corton
Aloxite
Aloys
Aloysia
Aloysio Dias Gomide
Aloysius
Alpaugh
Alpax
Alpen
Alpena
Alper
Alpers
Alpert
Alpes Maritimes
Alpes-Maritimes
Alpes-de-Haute-Provence
Alpetragius
Alpha
Alpha Centauri
Alpha and Omega
Alphaea
Alphard
Alpharetta
Alphatyp
Alphean
Alphecca
Alpheratz
Alphesiboea
Alpheus
Alphonist
Alphons
Alphonse
Alphonsine
Alphonsism
Alphonso
Alphonso Halimi
Alphonsus
Alpian
Alpid
Alpine
Alpine Valley
Alpine currant
Alpine dock
Alpine ibex
Alpine parnassia
Alpine poppy
Alpine race
Alpine savory
Alpine wallflower
Alpinia
Alpiniaeae
Alpinism
Alpinist
Alpoca
Alps
Alpujarra
AlrZc
Alric
Alrich
Alrick
Alroi
Alroy
Alsace
Alsace gum
Alsace-Lorraine
Alsace-lorrainer
Alsatia
Alsatian
Alsatian dog
Alsea
Alsen
Alsey
Alshain
Alsinaceae
Alsine
Alsip
Also
Also Sprach Zarathustra
Alson
Alspop
Alspophila
Alstead
Alston
Alston's Glasgow type
Alstonia
Alstroemeria
Alsoworth
Alta
Altadena
Altaf
Altai
Altai Mountains
Altaian
Altaic
Altaid
Altair
Altaloma
Altamahaw
Altamira
Altamont
Altavista
Altay
Altay Mountains
Altdorf
Altdorfer
Alten
Altenburg
Alternanthera
Alternaria
Altes
Altgeld
Altha
Althaea
Alvaro Alsogaray
Alvaton
Alveolites
Alver
Alvera
Alverda
Alverson
Alverta
Alverton
Alves
Alveta
Alviani
Alvie
Alvin
Alvina
Alvinia
Alvino
Alvira
Alvis
Alviso
Alviss
Alvissmal
Alvita
Alvito
Alvo
Alvord
Alvordton
Alvy
Alwin
Alwitt
Alwyn
Alya
Alyattes
Alyce
Alyda
Alydar
Alyeska
Alyose
Alyosha
Alys
Alysa
Alyse
Alysia
Alyson
Alysoun
Alyss
Alyssa
Alyssum
Alytes
Alyworth
Alzada
Alzheimer's disease
Am
AmMIEE
Ama
Amabel
Amabella
Amabelle
Amabil
Amadas
Amadeo
Amadeus
Amadi
Amadis
Amadis de Gaula
Amadis of Gaul
Amado
Amador
Amadus
Amaethon
Amafingo
Amagansett
Amagasaki
Amagon
Amahuaca
Amaigbo
Amakosa
Amal
Amalbena
Amalberga
Amalbergas
Amalburga
Amalea
Amalee
Amalek
Amalekite
Amaleta
Amalfian
Amalfitan
Amalia
Amalie
Amalings
Amalita
Amalle
Amalrician
Amalthaea
Amalthea
Amaltheia
Amampondo
Aman
Amana
Amana Church Society
Amana society
Amand
Amanda
Amandi
Amandie
Amando
Amandus
Amandy
Amanist
Amanita
Amanitopsis
Amann
Amap
Amapa
Amapondo
Amar
Amara
Amara-kosha
Amaral
Amarant
Amarantaceae
Amaranthaceae
Amaranthus
Amarantus
Amaras
Amarette
Amargo
Amari
Amarillas
Amarillis
Amarillo
Amaris
Amarna
Amarna letters
Amarna tablets
Amary
Amyral
Amaryllidaceae
Amaryllis
Amaryllicus
Amasa
Amasias
Amasta
Amata
Amatembu
Amaterasu
Amaterasu Omikami
Amateur Radio Relay League
Amathi
Amathist
Amathiste
Amati
Amato
Amatruda
Amatsumara
Amaty
Amawalk
Amaya
Amaziah
Amazilia
Amazon
Amazon ant
Amazon lily
Amazon stone
Amazon water lily
Amazona
Amazonas
Amazonia
Amazonian
Amazonis
Amazonism
Amazonomachia
Amazulu
Amb
Ambala
Ambassadeur
Ambassadors, The
Ambedkar
Amber
Amber Islands
Amberg
Amberley
Amberly
Amberson
Ambert
Ambia
Ambie
Amble
Ambler
Amblycephalidae
Amblycephalus
Amblydactyla
Amblyommata
Amblyopsidae
Amblyopsis
Amblypoda
Amblyrhynchus
Amblystoma
Ambocoelia
Amboina
Amboina wood
Amboinesa
Amboise
Ambon
Ambonnay
Amboy
Amboyna wood
Ambrica
Ambrogino
Ambrogio
Ambroise
Ambroise Croizat
Ambros
Ambrosane
Ambrose
Ambrose Channel
Ambrose of Milan
Ambrosi
Ambrosia
Ambrosiaceae
Ambrosian
Ambrosian chant
Ambrosine
Ambrosio
Ambrosius
Ambulatoria
Ambur
Amburgey
Amby
Ambystoma
Ambystomidae
Amchitka
Ame
Ameagle
Amedeo
Ameiuridae
Ameirus
Ameiva
Ameizoeira
Amelanchier
Amelia
Amelie
Amelina
Ameline
Amelita
Amen
Amen glass
Amen-Ra
Amen-ra
Amena
Amend
Amenhotep III
Amenhotep IV
Amenia
Amenism
Amenite
Amenophis III
Amenophis IV
Amenti
Amentiferae
Amer
Amer Picon
AmerInd
AmerSp
Amerada
America
America First party
America's Cup
American
American Beauty
American Civil War
American Depository Receipts
American Directoire
American Empire
American English
American Expeditionary Forces
American Farm Bureau Federation
American Federation of Labor
American Fork
American Indian
American Indian Movement
American Institute of Architects
American Interplanetary Society
American Judas tree
American Labor party
American Legion
American Library Association
American National Red Cross
American Party
American Revised Version
American Revolution
American Rocket Society
American Samoa
American Sign Language
American Spanish
American Standard Version
American Stock Exchange
American Tragedy, An
American abscessroot
American aloe
American antelope
American apple
American bison
American bittern
American blight
American bond
American brooklime
American buffalo
American chair
American chameleon
American cheese
American chestnut
American cloth
American cockroach
American copper
American cotton
American cowslip
American crab
American cranberry
American dream
American eagle
American elk
American elm
American flagfish
American football
American foxhound
American globeflower
American holly
American hornbeam
American ipecac
American ivy
American language
American leopard
American linden
American lion
American lotus
American lungwort
American marten
American mulberry
American organ
American ostrich
American plan
American quarter horse
American saddle horse
American senna
American smoke tree
American star
American trotter
American trypanosomiasis
American twist
American upland cotton
American water spaniel
American wayfaring tree
American white hellebore
American woodbine
American wormseed
American, The
Americana
Americanese
Americanisation
Americanise
Americanised
Americaniser
Americanising
Americanism
Americanist
Americanistic
Americanitis
Americanization
Americanize
Americanized
Americanizer
Americanizing
Americanly
Americano
Americano cocktail
Americano-european
Americanoid
Americanos
Americas cup
Americaward
Americawards
Americomania
Americophobe
Americus
Amerigo
Amerigo Vespucci
Amerika
Amerimnon
Amerind
Amerindian
Amerindic
Amero
Amersfoort
Amersham
Amery
Ames
Amesbury
Amesha Spentas
Ameslan
Amesville
Ametabola
Amethi
Amethyst
Amethist
Amethyst
Amex
Amfortas
Amhara
Amharic
Amherst
Amherst papyrus
Amherstdale
Ami
Amia
Amianthium
Amias
Amice
Amici direct-vision prism
Amici prism
Amici prism system
Amick
Amida
Amidah
Amidism
Amidist
Amidol
Amidon
Amie
Amiel
Amiens
Amieva
Amigen
Amii
Amiidae
Amil
Amilcare
Amiles
Amiloun
Amin
Amin Gemayal
Amin Gemayel
Amin Hafez
Aminta
Amintor
Amintore
Amintore Fanfani
Amioidei
Amir
Amir Abbas Hoveida
Amir Drory
Amiram Nir Nisker
Amiranha
Amiret
Amis
Amish
Amish Mennonite
Amishgo
Amissville
Amistad
Amita
Amitabha
Amite
Amite City
Amite River
Amitie
Amitai
Amity
Amityville
Amizilis
Amleto Cicognani
Amlin
Amling
Amma
Ammadas
Ammadis
Ammamaria
Amman
Ammanati
Ammanite
Ammann
Ammerman
Amni
Ammiaceae
Ammianus
Ammisaddai
Ammishaddai
Ammobium
Ammocoetidae
Ammodytes
Ammodytidae
Ammon
Ammonite
Ammonites
Ammonitess
Ammonitish
Ammonitoidea
Ammonius Saccas
Ammonoidea
Ammophila
Amnigenia
Amnionata
Amniota
Amo
Amoakuh
Amoco
Amoebae
Amoebida
Amoebidae
Amoebobacter
Amoebobacteriaceae
Amoebobigeniae
Amomales
Amomis
Amon
Amon-Ra
Amonate
Amopaon
Amor
Amora
Amores
Amoret
Amoreta
Amorete
Amorette
Amoretti
Amoreuxia
Amorgos
Amorita
Amorite
Amoritic
Amoritish
Amoritta
Amorpha
Amorphophallus
Amorua
Amory
Amory Houghton
Amos
Amoskeag
Amou
Amoy
Amoyan
Amoyese
Amp
Ampelidaceae
Ampelidae
Ampelis
Ampelopsis
Ampelos
Ampelosicyos
Ampere
Amperian
Ampex
Amphiaras
Amphibia
Amphibiotica
Amphibola
Amphicarpa
Amphicarpacea
Amphicondyla
Amphictyon
Amphicyon
Amphicyonidae
Amphidamas
Amphidiscophora
Amphigaea
Amphigamae
Amphilochochus
Amphimachus
Amphimarcs
Amphinesian
Amphineura
Amphinome
Amphinomus
Amphion
Amphionic
Amphioxi
Amphioxidae
Amphioxides
Amphioxididae
Amphipleura
Amphipneusta
Amphiprous
Amphipoda
Amphirhina
Amphisbaenidae
Amphisile
Amphisilidae
Amphissa
Amphissus
Amphistoma
Amphistomum
Amphithemis
Amphitrite
Amphitruo
Amphitryon
Amphiuma
Amphiumidae
Amphius
Amphizoidae
Amphoterus
Amphysian
Ampullaria
Ampullariidae
Ampycides
Ampycus
Ampyx
Amr
Amram
Amratian
Amravati
Amri
Amrita
Amritsar
Amroati
Amschel
Amsden
Amsha-spand
Amsha-spend
Amsonia
Amsterdam
Anabaptistic
Anabaptistical
Anabaptistically
Anabaptistry
Anabas
Anahase
Anabel
Anabella
Anabelle
Anablepidae
Anableps
Anacanthini
Anacardiaceae
Anacardium
Anaces
Anacharis
Anacin
Anaclete
Anacletus
Anacoco
Anaconda
Anacortes
Anacostia
Anacostia River
Anacreon
Anacreontic
Anacreontically
Anacrogynae
Anacyclus
Anadarko
Anadyomene
Anadyr
Anadyr Range
Anagallis
Anagni
Anagnos
Anagyris
Anaheim
Anaheim disease
Anahita
Anahola
Anahuac
Anaitis
Anakes
Anakim
Analects of Confucius
Analects of Confucius, The
Analgesidae
Analiese
Analise
Anallantoidea
Anallese
Anallise
Analomink
Anam
Anambra
Anamelech
Anamirta
Anamite
Anammelech
Anamnesis
Anamnia
Anamniate
Anamnionata
Anamniota
Anamoose
Anamosa
Anana
Anand
Ananda
Ananias
Ananism
Ananite
Ananna
Anansi
Ananta
Anaphalis
Anaphe
Anaplasma
Anapolis
Anapsida
Anapterygota
Anaptomorphidae
Anaptomorphus
Anapurna
Anarcestes
Anarthropoda
Anaryan
Anas
Anasa
Anasazi
Anasazis
Anasco
Anasitch
Anaspida
Anaspidacea
Anaspides
Anastas
Anastase
Anastasi papyri
Anastasia
Anastasian
Anastasie
Anastasio
Anastasius
Anastasius I
Anastassia
Anastatica
Anastatius
Anastatus
Anastice
Anastomus
Anastos
Anastrophia
Anat
Anatherum
Anatidae
Anatifae
Anatinacea
Anatinae
Anatol
Anatola
Anatole
Anatoli Berezovoy
Anatolia
Anatolian
Anatolic
Anatolio
Anatollo
Anatoly Dobrynin
Anatoly Filipchenko
Anatoly Karpov
Anatomy of Melancholy, The
Anatone
Anatum
Anawalt
Anax
Anaxagoras
Anaxagorean
Anaxagorize
Anaxarete
Anaxibia
Anaximander
Anaximandrian
Ancylus
Ancyrean
Ancyrene
And
Andale
Andalusia
Andalusian
Andalusian swirl
Andaman
Andaman Islander
Andaman Islands
Andaman Sea
Andaman and Nicobar Islands
Andamanese
Andaqui
Andaquian
Andarko
Andaste
Ande
Andean
Andean condor
Andean deer
Andee
Andee
Andel
Andeleee
Ander
Anderea
Anderegg
Anderer
Anderlecht
Anders
Anders Jarryd
Andersen
Andersen Nexo
Anderson
Anderson East Side
Andersonville
Anderssen
Anderstorp
Andert
Andes
Andes berry
Andes glow
Andes lightning
Andes lights
Andesic
Andevo
Andrei Grigorenko
Andrei Gromyko
Andrei Kirilenko
Andrei Olhovskiy
Andrei Sakharov
Andrej
Andrel
Andrena
Andrenidae
Andreotti
Andres
Andres Figueroa Cordero
Andres Galarraga
Andrew
Andrew Borowiec
Andrew Toney
Andrew's cross
Andrewes
Andrews
Andrey
Andreyev
Andreyevka
Andri
Andria
Andriana
Andrias
Andric
Andrien
Andriette
Andrija
Andris
Androclea
Androcles
Androcles and the Lion
Androclus
Androcrates
Androgeus
Andrographis
Andromache
Andromada
Andromaque
Andromeda
Andromede
Andron
Andronicus
Androphonos
Andropogon
Andros
Androsace
Androscoggin
Androuet
Androw
Andrsy
Andrus
Andryc
Andvar
Andvare
Andvari
Andy
Andy Benes
Andy Moog
Andy Risau
Andy-over
Aneale
Anemia
Anemonella
Anemopsis
Anemotis
Anesidora
Anestassia
Anet
Aneta
Aneth
Anethum
Aneto
Anett
Anetta
Anette
Aneurin
Aneurin Bevan
Aney
Anezeh
Anfuso
Angadreme
Angadresma
Angami
Angami-naga
Angang
Angara
Angarsk
Angarstroi
Angdistis
Ange
Angel
Angel Anibal Guevara
Angel Cordero
Angel Falls
Angela
Angele
Angeleno
Angelenos
Angeles
Angeli
Angelia
Angelc
Angelc Doctor
Angelica
Angelical
Angelican
Angelico
Angelika
Angelina
Angeline
Angelique
Angelis
Angelita
Angell
Angelle
Angelo
Angelo Drossos
Angelo Errichetti
Angelonia
Angelus
Angelus bell
Angelus, The
Angelyn
Angerboda
Angerona
Angeronalia
Angeronia
Angers
Angetenar
Angevin
Angevine
Angi
Angie
Angier
Angil
Angiospermae
Angka
Angkor
Angkor Wat
Angl
Angle
Angledozer
Angleinlet
Angles
Anglesey
Angleterre edge
Angleterre lace
Angleton
Anglia
Anglian
Anglic
Anglican
Anglican Church
Anglican Communion
Anglican chant
Anglicanism
Anglicanize
Anglicanly
Anglicanum
Anglice
Anglicisation
Anglicise
Anglicised
Anglicising
Anglicism
Anglicist
Anglicization
Anglicize
Anglicized
Anglicizing
Anglification
Anglified
Anglify
Anglifying
Anglim
Anglish
Anglist
Anglistics
Anglo
Anglo-
Anglo-American
Anglo-Americanism
Anglo-Catholic
Anglo-Catholicism
Anglo-Egyptian Sudan
Anglo-French
Anglo-Gallic
Anglo-Indian
Anglo-Irish
Anglo-Norman
Anglo-Saxon
Anglo-Venetian glass
Anglo-abyssinian
Anglo-afghan
Anglo-african
Anglo-american
Anglo-americanism
Anglo-asian
Anglo-asiatic
Anglo-australian
Anglo-austrian
Anglo-belgian
Anglo-boer
Anglo-brazilian
Anglo-canadian
Anglo-catholic
Anglo-catholicism
Anglo-chinese
Anglo-danish
Anglo-dutch
Anglo-dutchman
Anglo-ecclesiastical
Anglo-ecuadorian
Anglo-egyptian
Anglo-french
Anglo-german
Anglo-greek
Anglo-irish
Anglo-irishism
Anglo-israel
Anglo-israelism
Anglo-israelite
Anglo-italian
Anglo-japanese
Anglo-jewish
Anglo-judaic
Anglo-latin
Anglo-maltese
Anglo-manx
Anglo-mexican
Anglo-mohammedan
Anglo-norman
Anglo-norwegian
Anglo-nubian
Anglo-persian
Anglo-portuguese
Anglo-russian
Anglo-saxon
Anglo-saxonism
Anglo-scottish
Anglo-serbian
Anglo-soviet
Anglo-spanish
Anglo-swedish
Anglo-swiss
Anglo-teutonic
Anglo-turkish
Anglo-venetian
AngloCatholicism
Anglogaea
Anglogaean
Angloman
Anglomane
Anglomania
Anglomaniac
Anglomaniacal
Anglophil
Anglophile
Anglophilia
Anglophiliac
Anglophilic
Anglophobe
Anglophobia
Anglophobic
Anglophobist
Anglophone
Anglos
Angola
Angolese
Angora
Angora cat
Angora goat
Angora rabbit
Angora wool
Angostura
Angostura bitters
Angouleme
Angoumanian
Angoumois
Angoumois grain moth
Angoumois moth
Angra Mainyu
Angra do Heroismo
Angraecum
Angrbodha
Angrist
Angstrom
Angstrom unit
Anguidae
Anguier
Anguilla
Anguillaria
Anguillidae
Anguillula
Anguillulidae
Anguimorpha
Anguiniidae
Anguis
Anguloa
Angurboda
Angus
Angus Og
Angwin
Angy
Anh
Anhalonium
Anhalt
Anhanga
Anheuser
Anhimae
Anhimidae
Anhwei
Ania
Aniak
Aniakchak
Aniakudo
Aniba
Anibal Cavaco Silva
Anica
Anice
Anicetus
Aniela
Aniellidae
Anil
Animal Farm
Animalia
Animalivora
Anni
Annia
Annibale
Annice
Annie
Annie Famose
Annie Oakley
Anniellidae
Anniken
Annis
Annissa
Annist
Anniston
Anniversary Day
Annmaria
Annmarie
Annora
Ano domini
Annona
Annonaceae
Annora
Annorah
Annularia
Annulata
Annuloida
Annulosa
Annunciata
Annunciation
Annunciation Day
Annunciation lily
Annunciation style
Annunziata
Annville
Annwn
Anny
Anobiidae
Anodon
Anodontia
Anogra
Anoka
Anolis
Anolympiad
Anomala
Anomalognatae
Anomalon
Anomalopteryx
Anomaluridae
Anomalurus
Anomathea
Anomia
Anomiacea
Anomiidae
Anomodontia
Anomoean
Anomoeanism
Anomura
Anopheles
Anophelinae
Anopthalmus
Anopla
Anoplanthus
Anoplometapterina
Anoplotheriidae
Anoplotherium
Anoplura
Anora
Anosia
Anostraca
Another
Anouilh
Anous
Ansar
Ansarian
Ansarie
Anschauung
Anschluss
Anse
Anseis
Ansel
Ansele
Ansell
Anselm
Anselma
Anselme
Anselmi
Anselmian
Anselmo
Anser
Anseres
Anseriformes
Anserinae
Ansermet
Angsarius
Anshan
Anshar
Ansilma
Ansilme
Ansley
Anson
Ansonia
Ansonville
Ansted
Anstice
Anstus
Anta
Antabus
Antabuse
Antaea
Antaean
Antaeus
Antagoras
Antaimerina
Antaios
Antaiva
Antakiya
Antakya
Antal
Antalya
Antananarivo
Antanandro
Antar
Antara
Antarctalia
Antarctalian
Antarctic
Antarctic Archipelago
Antarctic Circle
Antarctic Continent
Antarctic Ocean
Antarctic Peninsula
Antarctic Zone
Antarctic barrier
Antarctica
Antarctogaea
Antarctogaean
Antares
Ante-babylonish
Ante-christian
Ante-cuvierian
Ante-gothic
Ante-hieronymian
Ante-justinian
Ante-mosaic
Ante-mosaical
Ante-nicene
Ante-norman
Ante-victorian
Antebi
Antechinomys
Antedon
Antelope state
Antennaria
Antennariidae
Antennarius
Antennata
Antenor
Antep
Anteros
Anterus
Antesfort
Anteva
Antevorta
Anthas
Anthe
Anthea
Antheia
Antheil
Anthelme
Anthemideae
Anthemis
Antheraea
Anthericum
Anthesteria
Anthesteriac
Anthesterion
Antheus
Anthia
Anthiathia
Anthicidae
Anthidium
Anthinae
Anthoceros
Anthocerotaceae
Anthocerotales
Antholyza
Anthomediidae
Anthon
Anthonin
Anthonomus
Anthony
Anthony Adverse
Anthony Giacalone
Anthony of Padua
Anthony’s cross
Anthony’s fire
Anthophila
Anthophora
Anthophoridae
Anthophyta
Anthospermum
Anthoxanthum
Anthozoa
Anthracomarti
Anthracomartus
Anthracosaurus
Anthracotheriidae
Anthracotherium
Anthrenus
Anthribidae
Anthriscus
Anthropidae
Anthropodus
Anthropoidea
Anthropomorpha
Anthropomorphidae
Anthropopithecus
Anthropos
Anthropozoic
Anthurium
Anthus
Anthyllis
Anti
Anti-Comintern Pact
Anti-Corn Law League
Anti-Lebanon
Anti-Mason
Anti-Masonic
Anti-Masonic Party
Anti-Masonic party
Anti-Masonry
Anti-Monopoly Party
Anti-Saloon League
Anti-allied
Anti-ally
Anti-american
Anti-americanism
Anti-anglican
Anti-arab
Anti-arian
Anti-aristotelian
Anti-armenian
Anti-arminian
Anti-arminianism
Anti-athanasian
Anti-athenian
Anti-austrian
Anti-babylonianism
Anti-bartholomew
Anti-biblic
Anti-biblical
Anti-birmingham
Anti-bohemian
Anti-bolshevik
Anti-bolshevist
Anti-bonapartist
Anti-british
Anti-britishism
Anti-caesar
Anti-calvinism
Anti-calvinist
Anti-calvinistic
Anti-calvinistically
Anti-cathedralist
Anti-catholic
Anti-christian
Anti-christianism
Anti-christianity
Anti-christianize
Anti-christianly
Anti-darwinian
Anti-darwinism
Anti-docetae
Anti-dreyfusard
Anti-english
Anti-entente
Anti-european
Anti-fascism
Anti-fascist
Anti-fascisti
Anti-fourierist
Anti-french
Anti-freudian
Anti-gallican
Anti-german
Anti-germanism
Anti-gnostic
Anti-gothicist
Anti-hanoverian
Anti-ibsenite
Anti-irishism
Anti-italian
Anti-jansenist
Anti-japanese
Anti-japanism
Anti-jesuit
Anti-jewish
Anti-judaic
Anti-judaism
Anti-klan
Anti-klanism
Anti-lamarckian
Anti-latin
Anti-laudism
Anti-liberal
Anti-macedonian
Anti-macedonianism
Anti-malthusian
Anti-messiah
Anti-mexican
Anti-mohammedan
Anti-mongolian
Anti-mosaical
Anti-nationalist
Anti-nihilist
Anti-noahite
Anti-nordic
Anti-oriental
Anti-paul
Anti-pauline
Anti-pelagian
Anti-philippizing
Anti-platonic
Anti-polish
Anti-protestant
Anti-republican
Anti-roman
Anti-romanist
Anti-ruskinian
Anti-russian
Anti-sabbatarian
Anti-sabian
Anti-saloon League of America
Anti-saxonism
Antifederal party
Antifederalism
Antifederalist
Antíguo
Antígone
Antigonon
Antígonus
Antígonus I
Antígonus II
Antigua
Antiguan
Antikamnia
Antikythera
Antília
Antilean
Antillean
Antilles
Antilles Current
Antilocapra
Antilocapridae
Antilochus
Antilope
Antilopinae
Antimachus
Antimarian
Antimason
Antimasonic
Antimasonry
Antimerina
Antin
Antinos
Antinous
Antioch
Antiochene
Antiochian
Antiochian Rite
Antiochianism
Antiochus
Antiochus III
Antiochus IV
Antiopa butterfly
Antiope
Antípas
Antipasch
Antipascha
Antipater
Antipatharia
Antipathida
Antipedobaptism
Antipedobaptist
Antiphas
Antiphates
Antiphus
Antipodes
Antipoenus
Antipus
Antipyrine
Antiremonstrant
Antirrhinum
Antisana
Antisi
Antisthenes
Antitrust act
Antlers
Antlia
Antlia Pneumatica
Antliae
Antlid
Anttonioni
Antofagasta
Antoine
Antoine Carr
Antoine Gizenga
Antoinetta
Antoinette
Antolin Jimeniz
Anton
Anton Dvorak
Antonchico
Antone
Antonella
Antonescu
Antonet
Antonetta
Antoni
Antonia
Antonie
Antonietta
Antonin
Antonin Scalia
Antonina
Antonino
Antoninus
Antoninus Pius
Antonio
Antonio Ramalho Eanes
Antonio Silvestre Guzman
Antonito
Antonius
Antonovich
Antons
Antony
Antony and Cleopatra
Antony-over
Antrim
Antrostomus
Antsirane
Antu
Antum
Antung
Antwerp
Antwerp blue
Antwerp hollyhock
Antwerpen
Anu
Anubis
Anukit
Anunaki
Anunnaki
Anura
Anuradhapura
Anurag
Anuska
Anvers
Anvik
Any
Anya
Anyah
Anyang
Anychia
Anystidae
Anza
Anzac
Anzac Day
Anzanian
Anzanite
Anzengruber
Anzio
Anzovin
Ao
Aoede
Aoide
Aoife
Aoki
Aomori
Aonian
Aorangi
Aornis
Aornum
Aosta
Aotea
Aotearoa
Aotes
Aotus
Aouellimiden
Aoul
Ap
Apache
Apache pine
Apache plume
Apache state
Apache yuma
Apaches
Apachette
Apalachee
Apalachicola
Apalachin
Apama
Apanteles
Apantesis
Aparai
Apargia
Aparri
Apartheid
Apatela
Apathus
Apatornis
Apatosaurus
Apaturia
Apayao
Apeldoorn
Apelles
Apemantus
Apemius
Apemosyne
Appenine
Appennine Mountains
Appenines
Apepi
Aperu
Apetalae
Apfel
Apfelstadt
Apgar
Apgar score
Aphanapteryx
Aphanes
Aphaniptera
Aphanomyces
Aphareus
Apharsathacites
Aphelandra
Aphelenchus
Aphelinus
Aphelops
Aphesius
Aphidas
Aphididae
Aphidiiinae
Aphidius
Aphis
Aphodius
Aphoruridae
Aphra
Aphrodision
Aphrodistic
Aphrodite
Aphrodite of Melos
Aphroditium
Aphroditidae
Aphrogeneia
Aphthartodocetae
Aphthartodocetic
Aphthartodocetism
Api
Apiaca
Apiaceae
Apiales
Apianus
Apicella
Apician
Apidae
Apiezon
Apina
Apinae
Apinage
Apioceridae
Apis
Apiosoma
Apis
Apison
Apium
Apl
Aplacentalia
Aplacentaria
Aplacophora
Aplanobacter
Aplectrum
Aplington
Aplodontia
Aplodontiidae
Aplotopappus
Apluda
Aplysia
Apneumona
Apo
A poc
Apocalypse
Apocr
Apocrita
Apocrypha
Apocynaceae
Apocynum
Apoda
Apodes
Apodia
Apodidae
Apodis
Apogon
Apogon iris
Apogonidae
Apoidea
Apolista
Apolistan
Apollinaire
Apollinarian
Apollinarianism
Apollinaris
Apollinaris water
Apolline
Apollo
Apollo Belvedere
Apollo Musagetes
Apollon
Apollonia
Apollonian
Apollonic
Apollonistic
Apollonius
Apollos
Apolloship
Apollus
Apollyon
Apologetic Fathers
Apologia pro Vita Sua
Apologie for Poetrie
Apolysin
Apomyius
Aponogeton
Aponogetonaceae
Apophis
Apopka
Aporobranchia
Aporobranchiata
Aporocactus
Aporosa
Aporrhaidae
Aporrhais
Apostle pitcher
Apostle spoon
Apostles
Apostles' Creed
Apostolian
Apostolic
Apostolic Church
Apostolic Fathers
Apostolic See
Apostolic succession
Apostolici
Apostolos
Apostrophyia
Apotactic
Apotactici
Apoxyomenos
Appalachia
Appalachian
Appalachian Mountains
Appalachian Regional Commission
Appalachian tea
Appalachian trail
Appalachians
Appaloosa
Apparatus sculptoris
Appel
Appendicularia
Appendiculariidae
Appendiculata
Appenzell
Appenzell Ausser Rhoden
Appenzell Inner Rhoden
Appia
Appian
Appian Way
Appian way
Appii forum
Appius
Apple
Apple Isle
Appleby
Appledorf
Applegate
Apples of the Hesperides
Appleseed
Appleton
Appleton layer
Appling
Appointment in Samarra
Appolonia
Appomatox
Appomattox
Appomattoc
Appropriations
Apps
Apr
Apresoline
April
April Fools'
April Fools' Day
April fool
April fools day
April gentleman
April showers
April-gowk
Aprile
Aprilesque
Aprilette
Apriline
Aprilis
Aprocta
Apsaras
Apsarases
Apsu
Apsyrus
Aptal
Aptenodytes
Aperta
Apteryges
Apterygidae
Apterygiformes
Apterygogenea
Apterygota
Apteryx
Apthorp
Aptian
Aptiana
Aptos
Apul
Apuleius
Apulia
Apulian
Apure
Apurimac
Apus
Aq
Aqaba
Aqua-Lung
Aquarian
Aquarid
Aquarii
Aquarius
Aquisco
Aquashicola
Aquebogue
Aqueus
Aquifoliaceae
Aquila
Aquila degli Abruzzi
Aquilae
Aquilaria
Aquilegia
Aquileia
Aquilian
Aquilid
Aquilla
Aquilo
Aquinas
Aquinit
Aquitaine
Aquitanian
Aquitania
Aquone
Ar
Ar Rimal
Ar-chang
ArM
Ara
Arab
Arab League
Arab Palestine
Arab Republic of Egypt
Arab bread
Arab-Israeli War
Arabeila
Arabel
Arabela
Arabele
Arabella
Arabelle
Arabesque
Arabi
Arabia
Arabia Deserta
Arabia Felix
Arabia Petraea
Arabian
Arabian Desert
Arabian Nights' Entertainment
Arabian Sea
Arabian camel
Arabian horse
Arabian jasmine
Arabian millet
Arabian primrose
Arabian red
Arabianize
Arabic
Arabic figures
Arabic numeral
Arabic numerals
Arabicism
Arabicize
Arabidopsis
Arabis
Arabism
Arabist
Arabize
Arabo-byzantine
Arabophil
Araby
Aracaj
Aracaju
Aracana
Aracatuba
Araceae
Arachis
Arachne
Arachnida
Arachnites
Arachnoidea
Arachnomorphae
Arad
Aradidae
Arae
Arafat
Arafura
Arafura Sea
Aragallus
Aragats
Arago
Aragon
Aragon spar
Aragonese
Aragonian
Araguaia
Araguari
Araguaya
Arains
Aarak
Arakan
Arakan Mountains
Arakan Yoma
Arakanese
Arakawa
Araks
Aral Sea
Aralac
Araldo
Arales
Aralia
Araliaceae
Araliaephyllum
Araliophyllum
Arallu
Aralu
Aram
Aramaean
Aramaic
Aramaicize
Araucano
Araucaria
Araucariaceae
Araucarioxyylon
Araujia
Arauna
Arawa
Arawak
Arawakan
Arawakian
Arawaks
Arawn
Araxa
Araxes
Arbacia
Arbe
Arbeiter Zeitung
Arbela
Arbela-Gaugamela
Arber
Arbil
Arbitration, The
Arblay
Arboles
Arbon
Arbor Day
Arbor day
Arbovale
Arbroath
Arbuckle
Arbuthnot
Arbyrd
Arc de Triomphe
Arc de Triomphe de l'Etoile
Arc du carrousel
Arc of Lowitz
Arcacea
Arcadia
Arcadian
Arcadian hind
Arcadian stag
Arcadianism
Arcadianly
Arcadic
Arcady
Arcana Caelestia
Arcangelo
Arcanum
Arcaro
Arcas
Arcata
Arce
Arcella
Arcesilaus
Arcesius
Arceuthobium
Arch
Arch of Triumph
Archaean
Archaeceti
Archaecyathid
Archaecyathidae
Archaecyathus
Archaepithecus
Archaepoteris
Archaepoterygiformes
Archaepoteryx
Archaearnis
Archaearnithes
Archaestomata
Archaezoic
Archaic
Archaic Caucasoid race
Archaimbaud
Archambault
Archangel
Archangel cat
Archangelica
Archbald
Archbold
Archbp
Archcape
Archd
Archean
Archegetes
Archegoniata
Archegoniatae
Archegosaurus
Archelaus
Archelenis
Archelochus
Archelon
Archemorus
ARCHENCEPHALA
Archeozoic
Archeptolemus
Archer
Arches
Arches court
Archfiend
Archianelida
Archias
Archibald
Archibaldo
Archibold
Archibuteo
Archichlamydeae
Archidamus
Archidiaceae
Archidiskodon
Archidium
Archie
Archilochian
Archilochus
Archimago
Archimedean
Archimedean screw
Archimedes
Archimedes' principle
Archimedes' screw
Archimycetes
Archipenko
Archiplata
Archispermae
Architect of the Capitol
Architectonica
Architeuthis
Archile
Archontia
Archy
Archytas
Arcidae
Arcifera
Arcimboldi
Arciniegas
Arcite
Arco
Arcola
Arcos
Arctalia
Arctalian
Arctamerican
Arctica
Arctic
Arctic Circle
Arctic Ocean
Arctic Zone
Arctic blast
Arctic circle
Arctic daisy
Arctic fox
Arctic hare
Arctic tern
Arctic-alpine zone
Arctiidae
Arctisca
Arctium
Arctocephalus
Arctogaea
Arctogaeal
Arctogaean
Arctogaenic
Arctogea
Arctoganian
Arctogeic
Arctoidea
Arctomys
Arctos
Arctomyx
Arctostaphylos
Arcturia
Arcturian
Arcturus
Ard
Arda
Ardara
Ardath
Arde
Ardea
Ardeae
Ardebel carpet
Ardeche
Ardeen
Ardeha
Ardehs
Ardeidae
Ardel
Ardelia
Ardelis
Ardeilla
Ardelle
Arden
Ardene
Ardenia
Ardennes
Ardenvoir
Ardeth
Ardhamagadhi
Ardhanari
Ardi-ea
Ardie
Ardin
Ardine
Ardis
Ardisia
Ardisiaceae
Ardisj
Ardith
Ardme
Ardmore
Ardmoored
Ardoch
Ardolino
Ardra
Ardrey
Ardley
Ardussi
Ardy
Ardyce
Ardys
Ardyth
Arean
Areca
Arecaceae
Arecales
Arecoibo
Arecuna
Aredale
Areithous
Areius
Arel
Arela
Arelia
Arelia
Arelus
Arena Chapel
Arenaria
Arends
Arendt
Arendtsville
Arene
Arenga
Areonicola
Arenig
Aremsky
Areznville
Areopagist
Areopagite
Areopagitic
Areopagitica
Areopagus
Arequipa
Ares
Areskutan
Aret
Areta
Arete
Aretha
Arethusa
Arethuse
Aretina
Aretinian
Aretino
Aretta
Arette
Aretus
Areus
Arezzini
Arezzo
Arg
Argades
Argall
Argand burner
Argand diagram
Argand lamp
Argand plane
Argante
Argas
Argasidae
Argean
Argeiphontes
Argelander
Argemone
Argent
Argenta
Argenteuil
Argentia
Argyle purple
Argyll
Argyll-robertson pupil
Argyll-robertson sign
Argyllshire
Argynnis
Argyra
Argyraspides
Argyres
Argyrol
Argyroneta
Argyropelecus
Argyrosomus
Argyrotoxus
Arhat
Arhatship
Arhauaco
Arhna
Ari
Aria
Ariadnaeus
Ariadna
Ariadne
Ariadne auf Naxos
Arian
Ariana
Ariane
Arianie
Arianism
Arianistic
Arianistical
Arianize
Arianizer
Arianna
Arianne
Arianrhod
Aribold
Aric
Arica
Arica movement
Arician
Arick
Aridatha
Arided
Arie
Ariege
Ariel
Ariel Sharon
Ariela
Ariella
Arielle
Aries
Arietid
Arietis
Ariew
Ariiidae
Arikara
Arimasp
Arimaspian
Arimaspians
Arimathaea
Arimathaean
Arimathea
Arimathean
Ariminum
Arimo
Arin
Ario
Ariocarpus
Arioii
Arioian
Arion
Ariosto
Ariovistus
Aripeka
Arisaema
Arisbe
Arispe
Arissa
Arista
Aristaeus
Aristarch
Aristarchian
Aristarchus
Aristarchus of Samos
Aristarchus of Samothrace
Aristeas
Aristes
Aristida
Aristide
Aristides
Aristides Calvani
Aristillius
Aristippus
Aristo
Aristodemus
Aristol
Aristolochia
Aristolochiaceae
Aristolochiales
Aristomachus
Aristophanes
Aristophanic
Aristotelean
Aristoteles
Aristotelian
Aristotelian form
Aristotelian logic
Aristotelian philosophy
Aristotelian sorites
Aristotelianism
Aristotelic
Aristotelism
Aristotle
Aristotle's lantern
Arita
Ariton
Arius
Arivaca
Arivaiapa
Ariyalur group
Ariz
Arizona
Arizona cypress
Arizona ruby
Arizonian
Arizonan
Arjan
Arjay
Arjun
Arjuna
Ark
Ark of the Covenant
Arkab
Arkabutla
Arkadelphia
Arkansan
Arkansas
Arkansaw
Arkansawyer
Arkansian
Arkdale
Arkhangelsk
Arkie
Arkite
Arkoma
Arkport
Arkville
Arkwright
Arlan
Arlana
Arlberg
Arlee
Arleen
Arlen
Arlena
Arlene
Arline
Arles
Arleta
Arlette
Arley
Arleyne
Arlie
Arliee
Arlin
Arlina
Arlinda
Arlene
Arlington
Arlington Heights
Arlington National Cemetery
Arlis
Arliss
Arlo
Arlon
Arluene
Arly
Arlyn
Arlyne
Arlynne
Arm
Arma
Armada
Armada chest
Armadillididae
Armadillidium
Armado
Armageddon
Armageddonist
Armagh
Armagnac
Armalda
Armalla
Armallas
Arman
Armand
Armanda
Armando
Armata
Armatoles
Armatoli
Arnavir
Armbricht
Armbrust
Armbruster
Armco
Armed Forces Day
Armed Services
Armelda
Armen
Armenia
Armenian
Armenian Church
Armenic
Armenize
Armeno-turkish
Armenoid
Armenti
Armentieres
Armeria
Armeriaceae
Armida
Armil
Armilda
Armiilla
Armillaria
Armillas
Armillida
Armillia
Armin
Armina
Armington
Arminian
Arminianism
Arminianize
Arminianizer
Arminius
Armistice Day
Armistice day
Arrephoroi
Arrephoros
Arretine
Arretine ware
Arretium
Arrey
Arrhenatherum
Arrhenius
Arrhephoria
Arri
Arria
Arriba
Arries
Arriet
Arrigny
Arrigo
Arrington
Arrio
Arron
Arrowsmith
Arroyo Grande
Arru Islands
Arruague
Arry
Arryish
Ars Amatoria
Ars Antiqua
Ars Nova
Arsaces I
Arsacid
Arsacidan
Arseny
Arshile
Arsinoe
Arsinoitherium
Arsinous
Arsippe
Arst
Art
Art Deco
Art Index
Art Kusnyer
Art Modell
Art Nouveau
Art of Love, The
Arta
Artacia
Artair
Artamais
Artamidae
Artamus
Artas
Artaud
Artaxerxes I
Artaxerxes II
Arte
Artema
Artemas
Artemia
Artemis
Artemisa
Artemisia
Artemision
Artemision
Artemovsk
Artemus
Artesia
Artesian
Artevelde
Artful Dodger
Artgum
Artha
Arthaud
Arther
Arthrobacter
Arthrodira
Arthrodoneteae
Arthrogastra
Arthropoda
Arthropomata
Arthrostraca
Arthrozoa
Arthur
Arthur Deakin
Arthur Liman
Arthurdale
Arthuriian
Arthuriiana
Article X
Article x
Articles of Confederation
Articles of War
Articodactyla
Articulata
Artie
Asaph
Asaphic
Asaphidae
Asaphus
Asapurna
Asar
Asaraceae
Asare
Asarh
Asarum
Asat
Ashen
Asbestos
Ashbjornsen
Ashby
Asbury
Asbury Park
Asc
Ascabart
Ascalabota
Ascalabus
Ascalaphus
Ascanian
Ascanius
Ascapart
Ascaridae
Ascaridia
Ascaris
Ascella
Ascenez
Ascension
Ascension Day
Ascension day
Ascension lily
Ascensiontide
Ascetta
Asch
Aschaffenburg
Ascham
Aschelminthes
Aschheim-Zondek test
Aschim
Aschoff body
Aschoff nodule
Ascidia
Asciidae
Asciidae
Asciidae compositae
Asciidae simplices
Ascidioida
Ascidioida
Ascidiocozoa
Asclepi
Asclepiad
Asclepiadaceae
Asclepiadae
Asclepiade
Asclepiadean
Asclepiadic
Asclepiad
Asclepias
Asclepieion
Asclepius
Asco
Ascochyta
Ascoli Piceno
Ascolichenes
Ascomycetes
Ascones
Ascophyllum
Ascot
Ascothoracica
Ascupart
Ascus
Ascutney
Ascyrum
Ase
Asel
Aselli
Asellidae
Aselline
Asellus
Asellus australis
Asellus borealis
Asenath
Aseneth
Aser
Aseyev
Asgard
Asgardhr
Asgarth
Asgeir
Asgeirsson
Ash
Ash Can School
Ash Wednesday
Ash wednesday
Asha
Ashab
Ashangos
Ashantee
Ashanti
Ashanti pepper
Asharasi
Ashaway
Ashbaugh
Ashberry metal
Ashbey
Ashburn
Ashburnham
Ashburton
Ashbury metal
Ashby
Ashcan School
Ashcan school
Ashchenaz
Ashcroft
Ashdod
Ashdown
Ashe
Asheboro
Ashelman
Ashely
Asher
Asherah
Asherahs
Asherim
Asherite
Asherites
Asherton
Ashes
Asheville
Ashfield
Ashford
Ashia
Ashien
Ashikaga
Ashil
Ashippun
Ashir
Ashjian
Ashkenaz
Ashkenazi
Ashkenazic
Ashkenazim
Ashkhabad
Ashkum
Ashla
Ashlan
Ashland
Ashlee
Ashleigh
Ashlen
Ashley
Ashli
Ashlie
Ashlin
Ashling
Ashluslay
Ashly
Ashman
Ashmead
Ashmolean
Ashmore
Ashochimi
Ashok
Ashraf
Ashtabula
Ashti
Ashton
Ashton-under-Lyne
Ashtoreth
Ashuelot
Ashur
Ashur-nasir-apal II
Ashurbanipal
Ashurnasirpal II
Ashville
Ashwell
Ashwin
Ashwood
Asia
Asia Major
Asia Minor
Asian
Asian and Pacific Council
Asian cholera
Asian flu
Asian influenza
Asianic
Asianism
Asiarch
Asiarchate
Asiatic
Asiatic beetle
Asiatic buffalo
Asiatic cholera
Asiatic flu
Asiatic globeflower
Asiatic influenza
Asiatic
Asiatically
Asiatican
Asiaticism
Asiaticization
Asiaticize
Asiatize
Asilidae
Asilomar
Asilus
Asimina
Asine
Asio
Asir
Asius
Ask
Askari
Askelon
Askja
Asklepios
Askov
Askr
Askwith
Aslam
Asmara
Asmodeus
Asmonaean
Asmonean
Asni
Asnieres
Aso
Asoka
Asopus
Asosan
Asotin
Asp
Aspa
Aspalax
Aspartame
Aspasia
Aspatia
Aspen
Asperges
Aspergillaceae
Aspergillales
Asperifoliae
Aspermont
Aspern Papers, The
Aspers
Asperugo
Asperula
Asphalius
Asphodel Fields
Asphodelaceae
Asphodeline
Asphodelus
Aspia
Aspidiotus
Aspidiske
Aspidistra
Aspidobranchia
Aspidobranchiata
Aspidocephali
Aspidochirotia
Aspidoganoidei
Aspidosperma
Aspinwall
Asplenieae
Asplenium
Aspredinidae
Aspredo
Asquith
Asroc
Assad
Assam
Assam States
Assam rubber
Assam silk
Assama
Assamese
Assamites
Assaracus
Assaria
Assassin
Assassination plot
Assawoman
Assembly
Assembly of the Notables
Assen
Asser
Asshur
Assidaean
Assidean
Assiniboin
Assiniboine
Assiniboins
Assisan
Assisi
Assiut
Assmannshausen
Assmannshauser
Assn
Associate Justice
Associate of Arts
Associated Press
Association Football
Assonet
Assonia
Assouan
Assuan
Assuerus
Assumption
Assumptionist
Assur
Assurbanipal
Assurnasirpal II
Assyr
Assyria
Assyrian
Assyrianize
Assyriological
Assyriologist
Assyriologue
Assyriology
Assyro-Babylonian
Assyro-babylonian
Assyroid
Assyut
Asta
Astacidae
Astacus
Astaire
Astakiwi
Astarte
Astartian
Astartidae
Astatula
Asteraceae
Asterales
Asterella
Asteria
Asterias
Asteriidae
Asterina
Asterinidae
Asterion
Asterionella
Asterius
Asternata
Asterochiton
Asterodia
Asteroidea
Asterolepididae
Asterolepis
Asteropaeus
Asterope
Asterephyllites
Asterospondylia
Asteroxylaceae
Asteroxylon
Asterozoa
Asti
Asti Spumante
Astian
Astilbe
Astispumante
Astolat
Aston
Aston dark space
Astor
Astoria
Astra
Astrabacus
Astrachan
Astraea
Astraean
Astraeidae
Astraeus
Astragalus
Astrahan
Astrakhan
Astrangia
Astrantia
Astrateia
Astrea
Astred
Astri
Astrid
Astrix
Astrocaryum
Astronautarum
Astronauts
Astropecten
Astropectinidae
Astrophel and Stella
Astrophyton
Astroscopus
Astroturf
Astto
Astur
Asturian
Asturias
Astyanax
Astydamia
Astylospongia
Astylosternus
Asunci
Asuncion
Asur
Asura
Asuri
Asvins
Aswan
Aswan High Dam
Asymmetron
Asynjur
Asyut
Asz
At
At/Wb
At/m
Ata
Atabalipa
Atabrine
Atabyrian
Atacama Desert
Atacaman
Atacamenan
Atacamenian
Atacameno
Ataentsic
Atahualpa
Ataigal
Ataiyal
Atakapa
Atakapas
Atal
Atalan
Atalanta
Atalante
Atalanti
Atalaya
Atalayah
Atalee
Ataliah
Atalie
Atalissa
Atalya
Atamosco
Atarax
Atascadero
Atascosa
Atat
Ataturk
Atbara
Atcheson
Atchison
Atcliffe
Atco
Ate
Ateba
Ateles
Atellan
Aten
Atenism
Atenist
Aterian
Ateste
Atestine
Atfalati
Atglen
Athabasca
Athabascan
Athabaska
Athabaskan
Athal
Athalee
Athalia
Athaliah
Athalie
Athallia
Athamantid
Athamas
Athanasius
Athanasius of Attaleia
Athean
eAthenian
Athenianly
Athenienne
Athens
Athericera
Atherinidae
Atheriogaea
Atheriogaean
Atheris
Atherosperma
Atherous
Athey
Athie
Athiste
Athol
Athos
Athyridae
Athyris
Athyrium
Ati
Atiana
Atik
Atikokania
Atila
Atka
Atka mackerel
Atkins
Atkinson
Atlanta
Atlante
Atlantean
Atlantic
Atlantic Charter
Atlantic City
Atlantic Highlands
Atlantic Intracoastal Waterway
Atlantic Ocean
Atlantic Pact
Atlantic Provinces
Atlantic Standard Time
Atlantic croaker
Atlantic puffin
Atlantic time
Atlantica
Atlantid
Atlantides
Atlantis
Atlanto-mediterranean
Atlantosaurus
Atlas
Atlas Mountains
Atlas cedar
Atlas-Agena
Atlas-Centaur
Atlas-Score
Atlasburg
Ataslike
Atlee
Atli
Atman
Atmore
Atmos clock
Atnah
Atoka
Atoll Eniwetak
Atomic Age
Attic quality
Attic salt
Attic simplicity
Attic wit
Attica
Attical
Atticise
Atticised
Atticising
Atticism
Atticist
Atticize
Atticized
Atticizing
Atticism
Atticist
Atticize
Atticized
Atticizing
Attidae
Attila
Attis
Attius
Attiwendaronk
Attleboro
Attlee
Attorney General
Attu
Attwood
Atuami
Atul
Atum
Atwater
Atwekk
Atwood
Atwood's machine
Atworth
Atymniius
Atys
Au
Aubanel
Aubarta
Aube
Auber
Auberbach
Auberge
Auberon
Auberry
Aubert
Auberta
Aubervilliers
Aubigny
Aubin
Aubine
Aubree
Aubreir
Aubrette
Aubrey
Aubrie
Aubrietia
Aubry
Auburn
Auburndale
Auburntown
Auburta
Aubusson
Aubusson rug
Aubyn
Auca
Aucan
Aucaner
Aucanian
Aucassin and Nicolette
Aucassin et Nicolette
Auchenia
Auchincloss
Auchinleck
Auckland
Auckland Islands
Aucuba
Audaean
Aude
Auden
Audette
Audhumbla
Audhumla
Audi
Audian
Audibertia
Audie
Audion
Audley
Audly
Audra
Audras
Audre
Audres
Audrey
Audri
Audrie
Audris
Audrit
Audry
Audrye
Audsley
Audubon
Audubon Society
Audubon warbler
Audubon's warbler
Audubonistic
Audun
Audwen
Audwin
Audy
Auer
Auerbach
Aueto
Aufklarung
Aufklärung
Aufmann
Aug
Auge
Augean
Augean stable
Augean stables
Augean task
Augeas
Augelot
Auger effect
Augie
Augier
Augres
Augsburg
Augsburg Confession
August
August meteors
Augusta
Augustales
Augustan
Augustan Confession
Auguste
Auguste Marie Louis Nicolas
Augusti
Augustin
Augustina
Augustine
Augustine Volcano
Augustine of Hippo
Augustine's summer
Augustinian
Augustinian Hermit
Augustinian of the Assumption
Augustinianism
Augustinism
Augusto
Augusto Bernardino
Augusto Cestedes
Augusto Pinochet
Augustus
Augy
Auk
Aulacodus
Aulacomniaceae
Aulacomnium
Aulander
Aulard
Auld Clootie
Auld kirker
Aulea
Aulic Council
Auliffe
Aulis
Aulostoma
Aulostomatidae
Aulosti
Aulostomidae
Aulostomus
Ault
Aultman
Aum
Aumsville
Aun
Aundrea
Aunjetitz
Aunson
Aunt Sally
Aunt jericho
Aura
Aural
Aurangzeb
Aurantiaceae
Aurantium
Aurea
Aurel
Aurel Cornea
Aurelea
Austafrikan
Austell
Austen
Auster
Austerlitz
Austin
Austin Friar
Austin's summer
Austina
Austenburg
Austine
Austinville
Auston
Austral
Austral Islands
Austral-english
Australanthropus
Australasia
Australasian
Australe
Australia
Australia Day
Australian
Australian Alps
Australian Antarctic Territory
Australian Capital Territory
Australian English
Australian Rules
Australian aborigine
Australian ballot
Australian bent grass
Australian bluebell creeper
Australian crane
Australian crawl
Australian fan palm
Australian pea
Australian rye grass
Australian seal
Australian tea tree
Australian terrier
Australian-oak
Australian-oak family
Australiana
Australianism
Australianize
Australic
Australoid
Australis
Autolytus
Automadon
Automobile Age
Autonoe
Autopositive
Autosauri
Autosauria
Autosyn
Autrain
Autrans
Autrey
Autry
Autryville
Autum
Autumn
Autumn Sea
Autumni
Autun
Autunian
Autur da Costa e Silva
Auvergne
Auvil
Auwers
Aux Cayes
Auxier
Auxo
Auxvasse
Auzout
Av
Ava
Avalon
Avalokita
Avalokitesvara
Avalon
Avalon Peninsula
Avan
Avanguardisti
Avant
Avanti
Avar
Avaradrano
Avaria
Avarian
Avarish
Avars
Avawam
Ave
Ave Fria Missile
Ave Maria
Ave Mary
Ave Regina Coelorum
Avebury
Aveiro
Avelin
Avelina
Aveline
Avella
Avellaneda
Avellino
Avena
Avenal
Avenel
Aventine
Avera
Averell
Averi
Averil
Averill
Averir
Avernal
Averno
Avernus
Averrhoa
Averrhoism
Averrhoist
Averrhoistic
Averroes
Averroism
Averroist
Averroistic
Avertin
Avery
Averyl
Aves
Avesta
Avestan
Aveyron
Avi
Avice
Avicebron
Avicenna
Avicennia
Avicenniaceae
Avicennism
Avictor
Avicula
Avicularia
Aviculariidae
Avicularimorphae
Aviculidae
Avie
Aviemore
Avigdor
Avignon
Avignonese
Avikom
Avila
Avila Camacho
Avilion
Avilla
Avinger
Avis
Avisco
Aviston
Avitzur
Aviv
Aviva
Avivah
Avlona
Avner
Avo
Avoca
Avogadro
Avogadro constant
Avogadro number
Avogadro's law
Avogadro's number
Avon
Avon Lake
Avondale
Avonmore
Avonne
Avra
Avraham
Avram
Avril
Avrit
Avrom
Avron
Avruch
Avshar
Awabakal
Awad
Awad Barakat
Awadhi
Awaiilala
Awan
Awellimiden
Awendaw
Awol
Awolowo
Awshar
Ax
Axa
Axe
Axel
Axifera
Axiopoenus
Axis
Axminster
Axminster carpet
Axonia
Axonolipa
Axonophora
Axonopus
Axson
Axtel
Axtell
Axton
Axum
Axumite
Ay
Ayacucho
Ayahuca
Ayako Okamoto
Ayala
Ayatollah Beheshti
Ayatollah Khomeini
Ayatollah Sadegh Khalkhali
Aycliffe
Aydelotte
Ayden
Aydendron
Aydin
Aydlett
Ayer
Ayers
Ayers Rock
Ayesha
Ayina
Aylesbury
Aylett
BMEWS
BMEd
BMG
BMI
BMJ
BMO
BMOC
BMP
BMR
BMS
BMT
BMV
BMW
BMarE
BMet
BMetE
BMgtE
BMus
BN
BNC
BNET
BNF
BNFL
BNS
BNSC
BNU
BO
BOAC
BOC
BOD
BOF
BOM
BOMFOG
BOQ
BOR
BOS
BOSIX
BOSS
BOT
BP
BPA
BPC
BPDPA
BPE
BPH
BPI
BPOC
BPOE
Bab ed-Din
Bab el Mandeb
Baba
Baba Yaga
Babakr Awadallah
Bahar
Babara
Babbb
Babbage
Babbette
Babbie
Babbitry
Babbitt
Babbitt metal
Babbittiness
Babbittian
Babbittish
Babbittism
Babbitry
Babby
Babcock
Babcock-Levy test
Babe
Babel
Babeldom
Babelic
Babelisation
Babelise
Babelised
Babelish
Babelising
Babelism
Babelization
Babelize
Babelized
Babelizing
Baber
Babesia
Babette
Babeuf
Babhan
Babi
Babiana
Babiism
Babine
Babinski reflex
Babinski sign
Babinski's reflex
Bacharach
Bache
Bacheller
Bachelor of Arts
Bachelor of Divinity
Bachelor of Science
Bachichi
Bachman
Bacillaceae
Bacillariaceae
Bacillariales
Bacillarieae
Bacillariophyta
Bacis
Back Bay
Back River
Back bay
Backer
Backhaus
Backler
Backs
Backstein
Backus
Bacliff
Baco
Bacolod
Bacon
Bacon's Rebellion
Baconian
Baconian method
Baconian theory
Baconianism
Baonic
Baonism
Baconist
Baconton
Bacopa
Bacova
Bacteriaceae
Bacteroidae
Bacteroides
Bactra
Bactria
Bactrian
Bactrian camel
Bactris
Bactrites
Baculites
Bad Axe
Bad Godesberg
Bad Kreuznach
Bad Lands
Badacsonyi
Badaga
Badajoz
Badakhshan
Badalona
Badarian
Badawi
Badaxe
Badb
Baden
Baden-Baden
Baden-Powell
Baden-Wtemberg
Badger
Badger State
Badger state
Badin
Badoeng
Badoglio
Badon
Badr
Baduhenna
Baecher
Baeda
Baedeker
Baedeker raid
Baedekerian
Baekeland
Bael
Baelbeer
Baer
Baeria
Baerl
Baerman
Baerman
Baese
Baeyer
Baez
Bafemi Awolowo
Baffin
Baffin Bay
Baffin Island
Baffin Land
Bafyot
Baganda
Bagatha
Bagaudae
Bagdad
Bagdad boil
Bagdi
Baghot
Baggara
Bagger
Baggett
Baggott
Baggs
Baghdad
Baghdad Pact
Bagheera
Bagheli
Baghlan
Baginda
Bagirmi
Bagley
Bagnes
Bagobo
Bagpuize
Bagram
Bagritski
Baguio
Bagwell
Baha Blanca
Baha'i
Baha'ullah
Bahai
Bahaism
Bahaist
Baham
Bahama
Bahama Islands
Bahama bay rush
Bahama fiber
Bahama grass
Bahama hemp
Bahama mahogany
Bahama redwood
Bahama tea
Bahama whitewood
Bahamas
Bahamian
Bahasa Indonesia
Bahaullah
Bahawalpur
Bahia
Bahia de los Cochinos
Bahia grass
Bahia piassava
Bahia powder
Bahima
Bahmani
Bahmanid
Bahner
Bahr
Bahrain
Bahrein
Bahrudin Bijedic
Bahuma
Bahutu
Bai
Baía de Lourenço Marques
Baiæ
Baianism
Baidya
Baiel
Baiera
Baikal
Baikonur
Bail
Bail court
Bailar
Baile ath
Bailey
Bailey bridge
Bailey's beads
Baileyton
Baileyville
Bailie
Baillaud
Baillie
Baillieu
Baillonella
Bailly
Baily
Baily's beads
Bain
Bainbridge
Bainbridge
Baining
Bains
Bainter
Bainville
Bairam
Baird
Baird Mountains
Bairdford
Baire category theorem
Bairnsfather
Bairoil
Bais
Baisakh
Baisden
Bais
Baja
Baja California
Baja California Sur
Bajadero
Bajaj
Bajan
Bajardo
Bajau
Bajer
Bajocian
Bak
Bakairi
Bakalai
Bakalei
Bakatan
Bakelite
Bakeman
Bakemeier
Baker
Baker Island
Baker tent
Baker-Nunn camera
Bakerman
Bakersfield
Bakerstown
Bakersville
Bakerton
Bakes
Bakewell
Bakewell pudding
Bakewell tart
Bakhmut
Bakhtiari
Bakke
Bakki
Bakongo
Bakshaish
Bakst
Baku
Bakuba
Bakunda
Bakunin
Bakuninism
Bakuninist
Bakutu
Bakwiri
Bal
Bala
Balaam
Balaamite
Balaamitical
Balac
Balaclava
Balaclava helmet
Balaena
Balaenicipites
Balaenidae
Balaenoida
Balaenoptera
Balaenopteridae
Balaiic
Balak
Balakirev
Balaklava
Balan
Balance
Balanchine
Balanga
Balanidae
Balanites
Balanoglossida
Balanoglossus
Balanophora
Balanophoraceae
Balanops
Balanopsidaceae
Balanopsidales
Balanta
Balante
Balantidium
Balanus
Balao
Balarama
Balas
Balaton
Balawa
Balawu
Balbinder
Balbo
Balboa
Balbuena
Balbur
Balcer
Balch
Balch Springs
Balcke
Balcones fault zone
Bald
Baldad
Baldassare
Balder
Baldie
Baldomero
Baldr
Baldrige
Baldt anchor
Balduin
Baldur
Baldwin
Baldwin I
Baldwin Park
Baldwinsville
Baldwinville
Baldwyn
Bale
Baleares
Balearian
Balearic
Balearic Island
Balearic Islands
Balearic crane
Balearica
Balenciaga
Baler
Balewa
Balf
Balfore
Balfour
Balfour Declaration
Bali
Balija
Balikpapan
Balilla
Balinese
Baliol
Balistes
Balistidae
Balius
Balkan
Balkan Mountains
Balkan Peninsula
Balkan States
Balkan War
Balkan Wars
Balkan frame
Balkanic
Balkanise
Balkanised
Balkanising
Balkanism
Balkanite
Balkanization
Balkanize
Balkanized
Balkanizing
Balkar
Balkh
Balkhash
Balkin
Balkis
Balko
Ball
Ball of Fat
Balla
Ballad of Reading Gaol, The
Ballance
Ballantine
Ballarat
Ballard
Ballengee
Ballentine
Ballhausplatz
Ballico
Balliett
Balling
Ballinger
Ballington
Balliol
Ballistite
Ballman
Ballota
Ballou
Ballouville
Ballplatz
Ballston Spa
Ballwin
Bally
Ballylumford
Balmain
Balmarcodes
Balmat
Balmawhapple
Balmer series
Balmont
Balmoral
Balmoral Castle
Balmorhea
Balmunc
Balmung
Balmuth
Balnibarbi
Baloch
Balochi
Balochis
Baloglia
Balolo
Balopticon
Balor
Baloskion
Baloskionaceae
Balough
Balsam
Balsam wool
Balsamea
Balsameaceae
Balsaminaceae
Balsamodendron
Balsamorrhiza
Balshem
Balt
Balta
Baltassar
Balthasar
Balthazar
Balti
Baltic
Baltic Exchange
Baltic Sea
Baltic Shield
Baltic States
Baltic leopard
Baltic tiger
Baltimore
Baltimore belle
Baltimore bird
Baltimore catechism
Baltimore chop
Baltimore clipper
Baltimore heater
Baltimore oriole
Baltimore shilling
Baltimore truss
Baltimore yellow
Baltimorean
Baltis
Balto-Slavic
Balto-Slavonic
Balto-slav
Balto-slavic
Balto-slavonic
Baluba
Baluch
Baluchi
Baluchis
Baluchistan
Baluchistan Province
Baluchistan States
Baluchitherium
Baluga
Balunda
Balzac
Balzacian
Bamako
Bamalip
Bamangwato
Bambara
Bambara groundnut
Bamberger
Bamberg
Bamberg bible
Bamberger
Bambi
Bambie
Bamboo books
Bambos
Bambuba
Bambusa
Bambuseae
Bambute
Bamby
Bamford
Bamian
Bamian Province
Bamileke
Ban
Ban Me Thout
Bana
Banach
Banach space
Banana bender
Bananaland
Bananalander
Banande
Banaras
Banares
Banat
Banate
Banba
Banbury
Banbury bun
Banbury cake
Banbury tart
Banco
Bancroft
Bancus regis
Band-Aid
Banda
Banda Sea
Bandana
Bandar Abbas
Bandar Lahngeh
Bandar Seri Begawan
Bandar-log
Bandaranaike
Bandeen
Bandello
Bander
Bandera
Banderma
Bandhor
Bandinelli
Bandjarmasin
Bandjermasin
Bandkeramik
Bandler
Bandoeng
Bandon
Bandor
Bandundu
Bandung
Bandur
Bandusia
Bandusian
Bandytown
Banebrudge
Banecroft
Banerjea
Banerjee
Banff
Banffshire
Bang
Bang Saen
Bang's Disease
Bangala
Bangall
Bangalore
Bangash
Bangia
Bangiaceae
Bangiales
Bangka
Bangkok
Bangkok hat
Bangladesh
Bangor
Bangs
Bangui
Bangwaketsi
Bangweulu
Banias
Baniva
Banja Kuka
Banja Luka
Banjermasin
Banjul
Bank
Bank of England
Bank of France
Bank stock
Banka
Bankalachi
Bankhead
Banking
Banks
Banks Island
Banks' rose
Banksa Bystrica
Banksia
Banksian
Bankside
Bankston
Banky
Banlon
Bann
Banna
Bannasch
Banner
Bannerman
Banning
Bannister
Bannock
Bannockburn
Bannon
Banon
Banquer
Banquete
Banquo
Banstead
Bantam
Bantam work
Banthine
Banti's syndrome
Banting
Bantingism
Bantoid
Bantry
Bantu
Bantus
Bantustan
Banville
Banwell
Banyai
Banyoro
Banyuls
Bao Dai
Bap
Baphia
Baphomet
Baphometic
Bapt
Baptanodon
Baptisia
Barbados cabbage tree
Barbados cherry
Barbados cotton
Barbados earth
Barbados flower fence
Barbados gooseberry
Barbados leg
Barbados lily
Barbados liquor
Barbados maidenhair
Barbados nut
Barbados pride
Barbados royal palm
Barbados sour grass
Barbados tar
Barbados trumpet flower
Barbados water
Barbados yam
Barbados-cherry family
Barbara
Barbara-Anne
Barbaraanne
Barbarea
Barbaresco
Barbarese
Barbaresi
Barbarian
Barbarossa
Barbary
Barbary Coast
Barbary States
Barbary ape
Barbary buttons
Barbary corn
Barbary dove
Barbary ducat
Barbary fig
Barbary horse
Barbary mastic
Barbary oak
Barbary pepper
Barbary pigeon
Barbary sheep
Barbary thorn
Barbe
Barbeau
Barbee
Barber
Bardeen
Barden
Bardesanism
Bardesanist
Bardesanite
Bardia
Bardo
Bardolater
Bardolatry
Bardolino
Bardolph
Bardolphian
Bardot
Bardstown
Bardulph
Bardwell
Bare
Barea
Barefoot
Barefoot Boy
Bareilly
Bareli
Barenboim
Barents
Barents Sea
Barfuss
Barger
Bargersville
Barhamsville
Bari
Bari delle Puglie
Bariloche
Barimah
Barina
Barinas
Baring
Barisal guns
Barker
Barking
Barkinji
Barkla
Barkleigh
Barkley
Barksdale
Barlach
Barletta
Barleycorn
Barling
Barlow
Barmecidal
Barmecidal feast
Barmecide
Barmecide feast
Barmen
Barn
Bana
Barna-brahman
Barnaba
Barnabas
Barnabe
Barnabite
Barnaby
Barnaby day
Barnaise
Barnard
Barnardo
Barnardo Home
Barnardsville
Barnaul
Barnburner
Barncard
Barnebas
Barnegat
Barnes
Barnesboro
Barneston
Barnesville
Barnet
Barnett
Barneveld
Barneveldt
Barney
Barnhard
Barnhart
Barnie
Barnsdall
Barnsley
Barnstable
Barnstead
Barnstock
Barnum
Barnumesque
Barnumism
Barnumize
Barnwell
Barny
Barocchio
Baroccius
Baroco
Baroda
Baroja
Barolet
Barolo
Barolong
Baron
Baron Munchausen
Baron of the Exchequer
Baronga
Barons' War
Baroque
Barosma
Barosma camphor
Barotse
Barotseland
Barouni
Barozzi
Barquero
Barquisimeto
Barr
Barra
Barrack-Room Ballads
Barrackville
Barrada
Barram
Barrancabermeja
Barranquilla
Barranquitas
Barrault
Barraza
Barre
Barred Plymouth Rock
Barree
Barren
Barren
Barren Grounds
Barren Lands
Barren ground bear
Barren ground caribou
Barren grounds
Barres
Barret
Barrett
Barretts of Wimpole Street, The
Barri
Barrie
Barrientos
Barrington
Barringtonia
Barrios
Barris
Barron
Barronett
Barros
Barrow
Barrow Point
Barrow-in-Furness
Barrowist
Barrus
Barry
Barry Mcguigan
Barry Minkow
Barry Mountains
Barymore
Barryton
Barrytown
Barryville
Barsac
Barsky
Barstow
Bart
Bart Giamatti
Barta
Bartel
Bartelso
Bartered Bride, The
Barth
Barthel
Barthelemy
Bartian
Barthianism
Barthol
Barthold
Bartholdi
Bartholemy
Bartholin's glands
Bartholomean
Bartholomeo
Bartholomeus
Bartholomew
Bartholomew fair
Bartholomewtide
Bartholomite
Barthou
Base
Basehor
Basel
Basel-Land
Basel-Mulhouse
Basel-Stadt
Baseler
Basella
Basellaceae
Basenji
Basham
Bashan
Bashee
Bashemath
Bashemeth
Basilange
Bashir Azmeh
Bashir Gemayel
Bashkir
Bashkia
Bashmuric
Basho
Bashuk
Basia
Basibracteolate
Basic
Basic English
Basidiolichenes
Basidiomycetes
Basie
Basil
Basilan
Basilarchia
Basildon
Basile
Basilian
Basilica
Basilicae
Basilicata
Basilics
Basilidian
Basilidianism
Basiliensis
Basilio
Basiliscus
Basilius
Basilosauridae
Basilosaurus
Basingstoke
Basir
Baskerville
Basket Maker
Basket maker
Basket weaver
Baskett
Baskin
Baskish
Baskonize
Basle
Basoche
Basoga
Basoko
Basom
Basommatophora
Basonga-mina
Basongo
Basotho
Basotho-Qwaqwa
Basov
Basque
Basque Provinces
Basque shirt
Basra
Bass
Bass Strait
Bassa
Bassalia
Bassalian
Bassano
Bassaris
Bassariscus
Basse Terre
Basse-Normandie
Basse-Terre
Bassein
Bassenthwaite
Basses-Alpes
Basses-Pyrénées
Basset
Basseterre
Bassett
Bassetts
Bassfield
Bassia
Basso
Bassora gum
Bath brick
Bath bun
Bath chair
Bath chap
Bath coating
Bath coup
Bath king-of-arms
Bath metal
Bath note
Bath oliver
Bath stone
Bath-sheba
Batha
Bathala
Bathelda
Bathesda
Bathilda
Bathinette
Batholomew
Bathonian
Bathsheb
Bathsheba
Bathsheeb
Bathulda
Bathurst
Bathurst bur
Batia
Batidaceae
Batilda
Batis
Batish
Batista
Batley
Batman
Batna
Batocrinidae
Batocrinus
Batodendron
Batoidei
Batoka
Baton
Baton Rouge
Batonga
Bator
Batory
Batrachia
Batrachidae
Batrachium
Batrachoididae
Batrachophidia
Batrachospermum
Batruk
Batsheva
Batson
Batta
Battak
Battakhin
Battambang
Battat
Battelle
Battelmatt
Battenberg lace
Battenburg
Battersea
Battery
Battery Park
Batticaloa
Battiest
Battipaglia
Battista
Battiste
Battle Creek
Battle of Britain
Battle of New Orleans Day
Battle of San Romano, The
Battle of the Books, The
Battle of the Bulge
Battle-Ax culture
Battleboro
Battletown
Battus
Batty
Batum
Batumi
Batussi
Batwa
Bau
Baubo
Bauchi
Baucis
Baucis and Philemon
Baudelaire
Baudette
Baudin
Baudoin
Baudouin
Bazil
Bazin
Bazine
Baziotics
Bazluke
Behar
Bde
Bdellidae
Bdelloida
Bdellostoma
Bdellostomatidae
Bdellostomidae
Bdloura
Bdlouridae
Be
BeShT
BeV
Bea
Beach
Beach-la-Mar
Beach-la-mar
Beacham
Beachboys
Beachwood
Beachy Head
Beaconsfield
Beadle
Beagle
Beaker folk
Beaker people
Beal
Beale
Bealetton
Beall
Bealle
Beallsville
Beals
Bealtine
Bealtuinn
Beaman
Bean
Bean Town
Beane
Beaner
Bear
Bear River
Bear driver
Bear flag
Bear state
Bearce
Beard
Bearden
Beardsley
Beardstown
Beare
Bearnaise
Bearnard
Bearsville
Beasley
Beason
Beaston
Beat Generation
Beata
Beata Virgo Maria
Beatitude
Beatles
Beaton
Beatrice
Beatrice and Benedict
Beatrisa
Beatrix
Beatriz
Beattie
Beatty
Beattyville
Beau
Beau Brummel
Beau Brummell
Beau brummell
Beauchamp
Beauclerc
Beaudoin
Beaufert
Beauford
Beaufort
Beaufort Sea
Beaufort myrtle
Beaufort scale
Beauharnais
Beaujolais
Beaujolaises
Beaulieu
Beaumarchais
Beaumont
Beaumontia
Beaune
Beaupre de Roybon
Beauregard
Beauvais
Beauvais tapestry
Beauvoir
Beaux Arts
Beaux' Stratagem, The
Beaux-Arts
Beaver
Beaver Falls
Beaver State
Beaver state
Beaverboard
Beaverbrook
Beaverdale
Beaverkill
Beaverleff
Beaverton
Beavertown
Beaverville
Bebe
Bebel
Beberg
Bebington
Bebryces
Bebung
Becca
Beccaria
Becchi test
Beche-de-Mer
Bechet
Bechler
Bechner funnel
Becht
Bechtel
Bechtelsville
Bechtler
Bechuana
Bechuanaland
Bechuanas
Beck
Becka
Becke test
Beckemeyer
Becker
Beckerman
Becket
Beckett
Beckford
Becki
Beckie
Beckley
Beckman
Beckmann
Beckmann rearrangement
Beckmann thermometer
Beckville
Beckwith
Becky
Becquer
Becquerel
Becquerel ray
Becquerel rays
Bedad
Bedaux plan
Bedaux system
Beddoes
Bede
Bedelia
Bedell
Bedford
Bedford Heights
Bedford cord
Bedford limestone
Bedford shale
Bedfordshire
Bedias
Bedivere
Bedlam let loose
Bedlamic
Bedlington
Bedlington terrier
Bedlingtonshire
Bedloe Island
Bedloe's Island
Bedminster
Bedouin
Bedouinism
Bedouins
Bedrich Geminder
Bedrich Hosticka
Beds
Beduin
Beduins
Bedwell
Bedworth
Bee
Beeb
Beebe
Beecham
Beechbottom
Beecher
Beechmont
Beeck
Beedeville
Beedon
Beehive
Beehive state
Beehouse
Beekman
Beekmantown
Beeler
Beelzebub
Beelzebubian
Beelzebul
Beemer
Beer
Beera
Beerbohm
Beernaert
Beerothite
Beers
Beersheba
Beersheeba
Beesley
Beeson
Beethoven
Beethovenian
Beethovenish
Beethovenian
Beetner
Beetown
Beeville
Beffrey
Befind
Bega
Begga
Beggar's Opera, The
Beggiaota
Beggiaotoaceae
Beggs
Beghard
Beghtol
Begin
Begoniaceae
Begoniales
Beguin
Beguine
Behah
Behaim
Behan
Behar
Behistan
Behistun inscription
Behka
Behl
Behlau
Behlke
Behm
Behmen
Behmenism
Behmenist
Behmenite
Behn
Behnken
Behre
Behrens
Behring
Behrman
Beica
Beichner
Beid
Beiderbecke
Beijing
Beilan Pass
Beilul
Bein
Beira
Beirne
Beirut
Beisel
Beitch
Beitnes
Beitris
Beitz
Beja
Bejou
Beka
Bekaa
Bekaa Valley
Bekah
Bekelja
Belgian endive
Belgian griffon
Belgian hare
Belgian sheep dog
Belgian sheepdog
Belgian shepherd
Belgian truss
Belgic
Belgique
Belgium
Belgophile
Belgorod-Dnestrovski
Belgrade
Belgrano
Belgravia
Belgravian
Belia
Belial
Belialic
Belialist
Belicia
Belier
Belili
Belinda
Belington
Belinuridae
Belinurus
Belis
Belisario Betancur
Belisarius
Belisha beacon
Belita
Belitoeng
Belitong
Belitung
Belize
Belk
Belknap
Bell
Bell Gardens
Bell purchase
Bell system
Bell's palsy
Bell's purchase
Bell's tackle
Bella
Bellabella
Bellacoola
Bellaghy
Bellaghy County
Bellaire
Bellamy
Bellanca
Bellartur
Bellatrix
Bellau
d
Bellay
Bellbrook
Bellbuckle
Bellda
Belldame
Belldas
Belle
Belle Dame Sans Merci, La
Belle Fourche
Belle Isle
Belle Meade
Belle Plaine
Belle isle cress
Belleau Wood
Bellechasse
Belleck
Belleek ware
Bellefonte
Bellelay
Bellemead
Bellemina
Belleplaine
Beller
Bellerive
Bellerophon
Bellerophon limestone
Bellerophontes
Bellerophontic
Bellerophontic letter
Bellerophontidae
Bellerose
Bellevernon
Belleview
Belleville
Belleville spring
Bellevue
Bellew
Belflower
Bellina
Bellingham
Bellingshausen Sea
Bellini
Bellinzona
Bellis
Bellmead
Bellmont
Bellmore
Bello
Bello Horizonte
Belloc
Belloir
Bellona
Bellonian
Bellot
Bellotto
Bellovaci
Bellow
Bellows
Bellows Falls
Bellport
Bells
Bells of Ireland
Bellvale
Bellville
Bellvue
Bellwood
Belmar
Belmond
Belmondo
Belmont
Belmont Stakes
Belmonte
Belmopan
Belo Horizonte
Beloit
Belone
Belonidae
Belorussia
Belorussian
Belostok
Belostoma
Belostomatidae
Belostomidae
Belovo
Belpre
Belsano
Belsen
Belshazzar
Belshazzaresque
Belshin
Belsky
Belt Mountains
Belt series
Beltane
Belted Galloway
Beltene
Belter
Belteshazzar
Beltian
Beltir
Beltis
Belton
Beltrami
Beltran
Beltsville
Beltu
Beluchi
Belucki
Belus
Belva
Belvedere
Belverdian
Belvia
Belvidere
Belview
Belvue
Bely
Belzoni
Bemba
Bembas
Bembecidae
Bemberg
Bembex
Bemelmans
Bement
Bemidji
Bemis
Ben
Ben Bella
Ben Carnevale
Ben Chavis
Ben Day process
Ben Hur
Ben Lomond
Ben Nevis
Ben Poquette
Benedict IX
Benedict V
Benedict VI
Benedict VII
Benedict VIII
Benedict XI
Benedict XII
Benedict XIII
Benedict XIV
Benedict XV
Benedict's solution
Benedict's test
Benedicta
Benedictine
Benedictinism
Benedicto
Benedictus
Benedikt
Benedikta
Benediktov
Benedix
Benelux
Benemid
Benenson
Benes
Benet
Benet-Mercie
Benetnasch
Benetta
Beneventan
Beneventana
Benevento
Benezett
Benfleet
Beng
Bengal
Bengal catechu
Bengal gram
Bengal grass
Bengal heat
Bengal hemp
Bengal isinglass
Bengal kino
Bengal light
Bengal lily
Bengal madder
Bengal monkey
Bengal quince
Bengal root
Bengal rose
Bengal sage
Bengal silk
Bengal stripes
Bengal tiger
Bengalese
Bengali
Bengalic
Bengasi
Benge
Benghazi
Bengalis
Bengola
Bengt
Bengt Gustafsson
Benguela
Benguela Current
Benguella current
Benham
Benham disk
Benhur
Beni
Beni Hasan
Beni abbas
Beni amer
Beni-israel
Benia
Beniamino
Benicia
Benigno Aquino
Benil
Benilda
Benildas
Benildis
Benin
Benin City
Benincasa
Benioff
Benis
Benisch
Benita
Benito
Benjamen
Benjamin
Benjamin Civiletti
Benjamin Foulois
Benjamin Franklin
Berkman
Berkow
Berkowitz
Berks
Berkshire
Berkshire Hills
Berkshires
Berky
Berl
Berlauda
Berlen
Berlichingen
Berlin
Berlin black
Berlin blue
Berlin canvas
Berlin glove
Berlin green
Berlin iron
Berlin kettle
Berlin papyri
Berlin porcelain
Berlin shop
Berlin wall
Berlin ware
Berlin warehouse
Berlin wool
Berlin work
Berlinda
Berliner
Berlinguer
Berlinize
Berlioz
Berlitz
Berlon
Berlyn
Berlyne
Berman
Bermejo
Bermuda
Bermuda arrowroot
Bermuda berry
Bermuda buttercup
Bermuda catfish
Bermuda cedar
Bermuda chub
Bermuda cress
Bermuda cutter
Bermuda flag
Bermuda grass
Bermuda high
Bermuda iris
Bermuda juniper
Bermuda lily
Bermuda maidenhair
Bermuda mulberry
Bermuda olivewood bark
Bermuda onion
Bermuda palmetto
Bermuda petrel
Bermuda potloo-cedar
Bermuda rig
Bermuda shilling
Bermuda shorts
Bermuda snowberry
Bermuda-lily disease
Bermudan
Bermudan rig
Bermudas
Bermudian
Bermudian rig
Bern
Bern bureau
Berna
Bernadene
Bernadette
Bernadette of Lourdes
Bernadina
Bernadine
Bernadotte
Bernal
Bernalillo
Bernalos
Bernard
Bernard of Clairvaux
Bernardi
Bernardin de Saint-Pierre
Bernardina
Bernardine
Bernardino
Bernardo
Bernardo Benes
Bernardston
Bernardsville
Bernarr
Bernat
Bertolde
Bertolonia
Bertolt
Bertolucci
Berton
Bertram
Bertrand
Bertrand curves
Bertrand lens
Bertrando
Bertrand
Bertsche
Berty
Berwick
Berwick-upon-Tweed
Berwickshire
Berwind
Berwyn
Berycidae
Berycoidea
Berycoidei
Berycomorphi
Beryl
Beryle
Berytidae
Beryx
Berzelius
Bes
Besancon
Besant
Beseleel
Beshore
Besier
Besnard
Bess
Bessarabia
Bessarabian
Bessarion
Besse
Bessel
Bessel function
Bessel functions
Bessel method
Besselian
Bessemer
Bessemer converter
Bessemer copper
Bessemer furnace
Betsy
Bett
Betta
Bette
Bette-Ann
Betteann
Betteanne
Bettencourt
Bettendorf
Better Business Bureau
Betterton
Betthel
Betthezel
Bethezel
Betti
Bettina
Bettina Bunge
Bettine
Bettino Craxi
Bettinus
Betongia
Betts process
Bettsville
Betty
Betty lamp
Bettye
Bettzel
Betula
Betulaceae
Betulites
Betz
Beulah
Beulah Land
Beulaville
Beuthel
Beuthen
Beutler
Beutner
Bev
Bevan
Bevash
Bever
Beveridge
Beveridge Plan
Beveridge plan
Beverie
Beverle
Beverlee
Beverley
Beverlie
Beverly
Beverly Hills
Bevers
Bevier
Bevin
Bevington
Bevinsville
Bevis
Bevon
Bevus
Bevvy
Bewcastle cross
Bewick
Bexar
Bexhill-on-Sea
Bexley
Beyer
Beyle
Beylic
Beyo
Beyoglu
Beyond Good and Evil
Beyrouth
Bezae
Bezaleel
Bezaleelian
Bezanson
Beziers
Bezold-brucke effect
Bezpopovets
Bezwada
Bglr
Bhabha
Bhadgaon
Bhadon
Bhaga
Bhagalpur
Bhagavad-Gita
Bhai
Bhairava
Bhairavi
Bhaktapur
Bhar
Bharat
Bharat Natyam
Bharata
Bianchi
Bianchini
Bianco
Bianka
Biarritz
Bias
Biayenda
Bib
Bibb lettuce
Bibbie
Bibbiена
Bibby
Bibbye
Bibeau
Bibi
Bibiena
Bibio
Bibionidae
Bibl
BiblHeb
Bible
Bible Belt
Bible Christian
Bible Society
Bible box
Bible christians
Bible class
Bible clerk
Bible communism
Bible institute
Bible oath
Bible paper
Bible reader
Bible school
Bible society
Bible truth
Bible-basher
Biblia Pauperum
Biblic
Biblical
Biblical Aramaic
Biblical Hebrew
Biblical Latin
Bibicality
Bibliically
Biblicism
Biblicist
Biblicistic
Biblicolegal
Biblicoliterary
Biblicopsychological
Bibliography Index
Bibliotheque Nationale
Biblism
Biblist
Bibulus
Bicakci
Bice
Bice blue
Bichat
Biche-la-mar
Bichelamar
Bichon Frise
Bick
Bickart
Bickford fuse
Bickleton
Bickmore
Bicknell
Bicol
Bicols
Bicorn
Bida
Bidault
Biddeford
Biddelian
Biddick
Biddie
Biddle
Biddulphia
Biddulphiaceae
Biddy
Bidens
Bidget
Bidle
Bidpai
Bidwell
Biebel
Bieber
Biebrich scarlet
Biedermann
Biedermeier
Biegel
Biela
Bielefeld
Bielersee
Biendid
Bielka
Bielo-russian
Bielorouss
Bielsko-Biala
Bien Hoa
Bienne
Bienville
Bierce
Bierman
Biernat
Biffar
Bifrost
Big Belt Mountains
Big Ben
Big Bend National Park
Big Bertha
Big Board
Big Board, the
Big Brother
Big Dick
Big Dipper
Big Five
Big Lake
Big Muddy
Big Muddy River
Big Rapids
Big Rock-Candy Mountain
Big Spring
Big Stone Gap
Big bend state
Big four yellow
Big injun sand
Big lime
Big-endian
Bigarreau
Bigelow
Bigelow willow
Bigford
Bigg
Biggs
Bighorn
Bighorns
Bigler
Biglow Papers
Bigner
Bignonia
Bill of Rights
Bill of Rights Day
Billat
Billbergia
Bille
Billen
Billerica
Bili
Billie
Billiken
Billings
Billingsgate
Billingsley
Billiton
Billjim
Billmyre
Billows
Billroth
Bills
Billy
Billy Budd
Billy Gallegos
Billy blind
Billy brighteye
Billy clipper
Billy the Kid
Billy webb
Billye
Biloculina
Bilow
Biloxi
Bilski
Bilskirnir
Biltmore
Biltmore ash
Biltmore stick
Bim
Bimana
Bimbisara
Bimble
Bimbli hemp
Bimini
Bimini Islands
Biminis
Bimmeler
Bina
Binah
Binalonen
Binche lace
Binchois
Bindman
Binet
Binet age
Binet scale
Binet test
Binet-Simon scale
Binet-Simon test
Binetta
Binette
Binford
Bing
Bing cherry
Bingen
Binger
Bingham
Binghamton
Bingley terrier
Binh Dinh
Binh Gia
Binh Tuy
Binh Xuyen
Binhdinh
Bini
Binitarian
Binitarianism
Bink
Binky
Binni
Binnie
Binnings
Binny
Bint Jbail
Binyon
Binzuru
Biola
Biometrika
Bion
Biondo
Biosatellite
Biot
Biot-Savart law
Biota
Bipaliidae
Bipalium
Bipont
Bipontine
Bippus
Bir Gifgafa
Birch
Birchard
Birchdale
Bircher
Birches
Birchism
Birchite
Birchleaf
Birchruneville
Birchtree
Birchwood
Birck
Bird
Bird Day
Bird day
Bird in Space
Birdell
Birdella
Birdeye
Birdie
Birdinhand
Birds
Birds, The
Birdsboro
Birdseye
Birdseye Lamp
Birdt
Birecree
Birendra Bir Bikram Shah Dev
Birgit
Birgitta
Birgus
Birk
Birkbeck
Birkeland-eyde process
Birkenhead
Birkenia
Birkeniidae
Birket Karun
Birkett
Birkhoff
Birkle
Birkner
Birmingham
Birmingham caucus
Birmingham economists
Birmingham school
Birmingham wire gauge
Birminghamize
Birnamwood
Birney
Biro
Birobidzhan
Birobijn
Birobizhan
Birome
Biron
Birrell
Birt
Birth of Tragedy, The
Birth of Venus, The
Birthday honours
Birtwistle
Birzai
Bisaltae
Bisayan
Bisayans
Bisayas
Bisbee
Biscanism
Biscay
Biscay green
Biscayan
Biscayanism
Biscayne Bay
Biscayner
Biscoe
Bish
Bishareen
Bishari
Bisharin
Bishop
Bishop Auckland
Bishop's Hatfield
Bishop's ring
Bishopville
Bisitun
Bisk
Biskra
Bisley
Bismarck
Bismarck Archipelago
Bismarck Sea
Bismarck brown
Black-faced highland
Blackbeard
Blackburn
Blackburnian warbler
Blackduck
Blackett
Blackey
Blackfeet
Blackfoot
Blackford
Blackfriars
Blackhander
Blackhawk
Blackington
Blacklick
Blackman
Blackmore
Blackmun
Blackmur
Blackpool
Blacksburg
Blackshear
Blackshirt
Blackstock
Blackstone
Blacksville
Blackville
Blackwall frigate
Blackwall hitch
Blackwater
Blackwater state
Blackwell
Blackwells Island
Blackwood
Bladen
Bladenboro
Bladensburg
Blader
Bladon
Blaeu
Blaeuw
Blaew
Blagg
Blagonravov
Blagoveshchensk
Blaia Zimondal
Blain
Blaine
Blainey
Blair
Blair Rasmussen
Blaire
Blairs
Blairsburg
Blairsden
Blairstown
Blairsville
Blaisdell
Blaise
Blake
Blakelee
Blakeley
Blakely
Blakemore
Blakesburg
Blakeslee
Blalock
Blamey
Blanc
Blanca
Blanca Peak
Blancanous
Blanch
Blanch lion
Blanch lyon
Blancha
Blanchard
Blanchard lathe
Blanchardville
Blanche
Blanchester
Blanchette
Blanchinus
Blanco
Bland
Bland-Allison Act
Blandburg
Blandford
Blandfordia
Blandina
Blanding
Blandinsville
Blandon
Blandville
Blandy-les-Tours
Blane
Blanford
Blank
Blanka
Blankenship
Blanket indian
Blanket
Blanks
Blanquette de Limoux
Blantyre
Blantyre-Limbe
Blarina
Blarney Stone
Blarney stone
Blas
Blasco Ib
Blasdell
Blase
Blaseio
Blasia
Blasien
Blasius
Blastoidea
Blastomyces
Blastomycetes
Blastophaga
Blatman
Blatt
Blatta
Blattariae
Blattidae
Blattoidea
Blattoidea
Blatz
Blau
Blaue Reiter
Blaugas
Blauvelt
Blavatsky
Blawenburg
Blaydon
Blayne
Blayze
Blaze
Blcher
BldgE
Bleich House
Blechnum
Bledsoe
Bloomdale
Bloomville
Blossburg
Blossom
Blossvale
Blount
Blountstown
Blountsville
Blountville
Blow
Bloxberg
Bloxom
Blirot
Blucher
Blucher boots
Blucher shoes
Blue
Blue Ash
Blue Boy
Blue Cross
Blue Dorset
Blue Earth
Blue Island
Blue Mantle
Blue Mountains
Blue Nile
Blue Ribband
Blue Rider
Blue Ridge
Blue Ridge Mountains
Blue Rod
Blue Scout
Blue Shield
Blue Springs
Blue Vinny
Blue shirt
Blueball
Bluebeard
Bluebeardism
Bluebell
Blueeye
Bluefarb
Bluefield
Bluefields
Bluegrass Region
Bluegrass state
Bluehole
Bluejay
Bluemont
Bluenoser
Bluet
Bluewater
Bluey
Bluffdale
Bluffs
Bluffton
Bluford
Bluh
Bluhm
Blum
Bluma
Blumea
Blumenfeld
Blumenthal
Blunderbore
Blank
Blunt
Blus
Blvd
Bly
Blynn
Blyth
Blythe
Blythe process
Blythedale
Blythevil
Blythewood
Bme
Bn
Bo
Bo Schembechler
Bo-Bo
Bo-peep
BoT
Boa Vista
Boabdil
Boadicea
Boaedon
Boak
Boalsburg
Boanbura
Boanerges
Boar
Board of Green Cloth
Board of Trade
Board of Trade unit
Bobo-Dioulasso
Bobseine
Bobtown
Bobwhite
Boca
Boccaccio
Boccherini
Boccioni
Bocconia
Boche
Bochism
Bochum
Bock
Bockstein
Bocock
Bodanzky
Bodas de Sangre
Bodb
Bode
Bodega
Boden See
Bodenheim
Bodensee
Bodfish
Bodgo Gegen
Bodh Gaya
Bodhidharma
Bodhisattva
Bodi
Bodine
Bodkin
Bodleian
Bodleian Library
Bodley
Bodmin
Bodnar
Bodo
Bodoni
Bodrogi
Bodwell
Body
Body brussels
Body of Christ
Boebera
Boece
Boedromion
Boedromius
Boehike
Boehm system
Boehme
Boehmenism
Boehmenist
Boehmenite
Boehmer
Boehmeria
Boehmian
Boehmist
Boehmite
Boeing
Boeke
Boelter
Boelus
Boeotia
Boeotian
Boeotic
Boeotus
Boer
Boer War
Boerdon
Boerhavia
Boerne
Boesch
Boeschen
Boetian
Boethius
Boethusian
Boetius
Boettiger
Boff
Boffa
Bofors
Bofors gun
Bogalusa
Bogan
Bogard
Bogarde
Bogart
Bogata
Bogey
Boggers
Boggs
Boggstown
Boghazkeui
Boghazkoy
Boghead coal
Bogie
Bogijjab
Bognor Regis
Bogo
Bogoch
Bogodo lama
Bogomil
Bogomile
Bogomilian
Bogomilism
Bogor
Bogosian
Bogot
Bogota
Bogue
Boguechitto
Boguslawsky
Bogusz
Bohairic
Bohannon
Bohaty
Bohea
Bohemia
Bohemia-Moravia
Bohemian
Bohemian Brethren
Bohemian Forest
Bohemian ruby
Bohemian waxwing
Bohemian-tartar
Bohemianism
Bohi
Bohlen
Bohlin
Bohm
Bohman
Bohme
Bohmerwald
Bohnenberger
Bohner
Bohol
Bohon
Bohr
Bohr atom
Bohr magneton
Bohr theory
Bohrer
Bohs
Bohun
Bohuslav
Boiardo
Boice
Boiceville
Boidae
Boieldieu
Boigie
Boii
Boiko
Boileau
Boiney
Bois
Bois de Boulogne
Bois-le-Duc
Boisdarc
Boise
Boissevain
Boito
Bojardo
Bojer
Bojig-ngiji
Bok
Bokassa I
Bokchito
Bokeelia
Bokhara
Bokhara clover
Bokharan
Bokm'
Bokoshe
Bokoto
Bol
Bolag
Bolan
Bolan Pass
Boland
Bolanger
Bolboxalis
Bolckow
Bolderian
Boldu
Boelia
Bolen
Boles
Boleslaw
Boleslaw Bierut
Boleslaw Jaszcuk
Boletaceae
Boletus
Boley
Boleyn
Bolger
Boligee
Bolinas
Boling
Bolingbroke
Bolinger
Bolitho
Bolivar
Bolivia
Bolivian
Boll
Bolland
Bollandist
Bollandus
Bollay
Bolle poplar
Bollen
Bolling
Bollinger
Bolme
Bolo
Bologna
Bologna flask
Bologna phosphorus
Bologna sausage
Bologna stone
Bolognan
Bologne
Bolognese
Boloism
Bolovens Plateau
Bolshevik
Bolsheviki
Bolshevikian
Bolshevikism
Bolsheviks
Bolshevism
Bolshevist
Bolshevistic
Bolshevistically
Bolshevization
Bolshevize
Bolshevized
Bolshevizing
Bolshie
Bolshies
Bolshoi
Bolshy
Bolt
Bolte
Bolten
Bolton
Bolton counts
Bolton sheeting
Boltonia
Boltzmann
Boltzmann constant
Boltzmann's constant
Bolyai
Bolyaian
Bolzano
Bolzano-Weierstrass theorem
Boma
Bomarc
Bomarea
Bombacaceae
Bombax
Bombax cotton
Bombay
Bombay arrowroot
Bombay catechu
Bombay ceiba
Bombay duck
Bombay furniture
Bombay hemp
Bombay mace
Bombay mastic
Bombay merchant
Bombay seed
Bombay senna
Bombay sumbul
Bomber Command
Bombidae
Bombinae
Bombus
Bombicidae
Bombycilla
Bombyclidae
Bombicina
Bombiliidae
Bombyx
Bomke
Bomont
Bomoseen
Bonu
Bon Secours
Bon ami limestone
Bon silene
Bona
Bona Dea
Bonacci
Bonadoxin
Bonair
Bonaire
Bonanza state
Bonaparte
Bonapartean
Bonapartism
Bonapartist
Bonaqua
Bonar
Bonasa
Bonaventura
Bonaventure
Bonaventurism
Bonaveria
Bonbo
Boncarbo
Bond
Bondelswarts
Bondes
Bondie
Bondon
Bondsville
Bonduel
Bondurant
Bondville
Bondy
Bone
Bonellia
Bonesteel
Boneville
Boney
Bonfield
Bongo
Bonham
Bonheure
Bonhoeffer
Bonhomme
Boni
Boniface
Boniface I
Boniface II
Boniface III
Boniface IV
Boniface IX
Boniface V
Boniface VI
Boniface VII
Boniface VIII
Bonifay
Bonilla
Bonin Islands
Bonina
Bonine
Bonington
Bonis
Bonita
Bonlee
Bonn
Bonnard
Bonnaz
Bonne
Bonne Terre
Bonneau
Bonnee
Bonnell
Bonner
Bonner Springs
Bonnerdale
Bonnes
Bonnesbosq
Bonnet
Bonneterre
Bonneterre limestone
Bonnette
Bonneville
Bonney
Bonni
Bonnibelle
Bonnice
Bonnie
Bonnievile
Bonns
Bonny
Bonna
doncini
Bononian
Bonpa
Bonpland
Bonsall
Bonsecour
Bontempelli
Bontoc
Bontocs
Bontok
Bontoks
Bonucci
Bonwier
Boodin
Boody
Book
Book oath
Book of Books
Book of Changes
Book of Common Order
Book of Common Prayer
Book of Kells
Book of Mormon
Book of Odes
Book of Psalms
Book of the Dead
Book of the Duchess, The
Booker
Bookman
Books in Print
Boole
Boole's inequality
Boolean algebra
Boolean ring
Boolean sum
Boolian
Boolian algebra
Booma
Boomer
Boomer Esiason
Boomer State
Boone
Booneville
Boonie
Boonsboro
Boonton
Boonville
Boony
Boophilus
Boor
Boorer
Boorman
Boot
Boote
Bootes
Booth
Boothe
Boothia
Boothia Peninsula
Boothian
Boothman
Boothville
Bootid
Bootle
Boots
Booz
Booze
Bop
Bopeep
Bophuthatswana
Bopp
Bopyridae
Bopyrus
Boqueron
Bor
Bor’
Bora
Bora Bora
Boraginaceae
Borago
Borah
Borak
Boran
Borana
Borani
Boraros Station
Borassus
Borboridae
Borborus
Borchers
Borchert
Bord
Borda
Bordeaux
Bordeaux mixture
Bordeaux pine
Bordeaux red
Bordeaux turpentine
Bordelais
Bordelaise
Bordelaise sauce
Bordelonville
Borden
Bordentown
Border
Border Sea
Border States
Border pricker
Border rider
Border ruffian
Border song
Border state
Border terrier
Border thief
Border warden
Border warrant
Borders
Borders Region
Borderside
Bordet
Bordie
Bordiuk
Bordulac
Bordy
Bore
Boreadae
Boreades
Boreal
Borealís
Boreas
Boreiad
Borek
Borel
Borel-Lebesgue theorem
Borer
Bores
Boreum
Boreus
Borg
Borger
Borgerhout
Borges
Borgesón
Borghese
Borghild
Bossons Maceres
Bossuet
Bostic
Boston
Boston Massacre
Boston Tea Party
Boston arm
Boston bag
Boston baked beans
Boston brown bread
Boston bull
Boston crab
Boston cream pie
Boston fern
Boston hip
Boston hooker
Boston ivy
Boston lettuce
Boston ridge
Boston rocker
Boston terrier
Boston type
Bostonene
Bostonian
Bostonians, The
Bostow
Bostrychidae
Bostwick
Boswall
Boswell
Boswellia
Boswellian
Boswelliana
Boswellism
Boswellize
Bosworth
Bosworth Field
Botany Bay
Botany bay
Botany bay greens
Botany bay gum
Botany card
Botany wool
Botaurinae
Botaurus
Botein
Botes
Botha
Bougainvillaea
Bougainville
Bougainvillea
Bougainvillia
Bougainvilliidae
Bough
Bouguer
Bouguerenau
Boulanger
Boulangism
Boulangist
Boulder
Boulder Dam
Boulder period
Bouldon
Boule
Boule de Lille
Boule-de-suif
Boulette d'Avesnes
Boulette de Cambrai
Bouley
Boulez
Boulogne
Boulogne Billancourt
Boulogne-Billancourt
Boulogne-sur-Mer
Boulogne-sur-Seine
Boult
Boumdienne
Boun Oum
Bound
Boundbrook
Bounds
Bountiful
Bounty
Bouphonia
Bourbaki
Bourbon
Bourbon biscuit
Bourbon cotton
Bourbon lily
Bourbon red
Bourbonesque
Bourbonian
Bourbonic
Bourbonism
Bourbonist
Bourbonnais
Bovill
Bovina
Bovista
Bovril
Bow
Bow Street officer
Bow Street runner
Bow bells
Bow china
Bow river series
Bow street
Bow street officer
Bow-bell
Bowbells
Bowden
Bowdichia
Bowditch
Bowdle
Bowdoin
Bowdoinham
Bowdon
Bowe
Bowell
Bowen
Bowen knot
Bowen's disease
Bower
Bower of Bliss
Bowerman
Bowers
Bowerston
Bowersville
Bowery
Bowery bum
Boweryish
Bowes
Bowie
Bowie State
Bowlds
Bowlegs
Bowler
Bowles
Bowling Green
Bowlus
Bowman
Bowman's capsule
Bowmansdale
Bowmanstown
Bowmansville
Bowne
Bowra
Bowrah
Bowring
Bowser boat
Bowyer
Box
Boxelder
Boxer
Boxerism
Boxford
Boxholm
Boxing Day
Boxing day
Boxing night
Boy
Boyce
Boyceville
Boycey
Boycie
Boyd
Boyd Orr
Boyden
Boyds
Boydtoun
Boyer
Boyer de Latour
Boyers
Boyertown
Boyes
Boykin
Boykins
Boylan
Boyle
Boyle's law
Boylston
Boyne
Boynton
Boyoma Falls
Boys
Boys' Brigade
Boyse
Boystown
Boyt
Boz
Bozcaada
Bozeman
Bozen
Bozman
Bozoo
Bozovich
Bozrah
Bozuwa
Bozzaris
Br
Bra
Braasch
Brabancon
Brabant
Brabant rose
Brabanter
Brabantine
Brabazon
Brabejum
Braca
Bracci
Brace
Bracey
Brachelytra
Brachiata
Brachinus
Brachioganoidei
Brachiopoda
Brachiosaurus
Brachycera
Brachycome
Brachyura
Brachyphyllum
Brachystegia
Brachystomata
Brachyura
Brachyurus
Brackely
Brackenridge
Brackett
Brackett series
Brackettville
Bracklesham beds
Bracknell
Brackney
Bracon
Braconidae
Brad
Brad Daugherty
Brad Komminsk
Brad Lohaus
Bradan
Bradbury
Bradburya
Braddock
Braddyville
Brade
Braden
Bradenton
Bradenville
Bradeord
Brader
Bradford
Bradford spinning
Bradford system
Bradfordsville
Bradlee
Bradleianism
Bradleigh
Bradley
Bradley Beach
Bradley text
Bradleyville
Bradly
Bradman
Bradner
Bradney
Bradshaw
Bradski
Bradstreet
Bradway
Bradwell
Brady
Bradypodidae
Bradypus
Bradyville
Braeunig
Brag
Braga
Bragdon
Brage
Bragg
Bragg's law
Braggadocio
Bragget sunday
Braggs
Bragi
Brevard County
Brevicipitidae
Brevirostrines
Brew
Brewer
Brewer's blackbird
Brewer's mole
Brewerton
Brewster
Brewster chair
Brewster's law
Brewton
Brey
Brezhnev
Brezin
Bria
Brian
Brian Boru
Brian Dubois
Brian Mulroney
Brian Trottier
Briana
Briand
Brianhead
Brianna
Brianne
Briano
Briant
Briarcliff Manor
Briard
Briarean
Briareus
Bribri
Brice
Bricelyn
Bricenville
Brick
Bricker
Brickeys
Bridalveil
Bridalveil Fall
Bride
Bridey
Bridge
Bridge View
Bridge of San Luis Rey, The
Bridge of Sighs
Bridgehampton
Brighteyes
Brightman
Brighton
Brightwaters
Brightwood
Brigid
Brigida
Brigit
Brigitta
Brigitte
Brigittine
Brihaspati
Brill
Brill's disease
Brillat-Savarin
Brilliant
Brillion
Brillouin
Brimfield
Brimhall
Brimley
Brimo
Brimson
Brina
Brindell
Brindisi
Brindle
Brine
Brinell hardness number
Brinell machine
Brinell number
Brinell tester
Briney
Bring
Bringhurst
Brinje
Brink
Brinkema
Brinkley
Brinklow
Brinktown
Brinn
Brinna
Brinnon
Brinsmade
Brinson
Briny
Brion
Brioni
Brioschi
Brisbane
Brisbin
Briscoe
Briseis
Briseus
Brisingamen
Brissotin
Brissotine
Bristo
Bristol
Bristol Channel
Bristol board
Bristol fashion
Bristolville
Bristow
Brit
Brita
Britain
Britannia
Britannia joint
Britannia metal
Britannian
Britannic
Britannica
Britannically
Britannicus
Brith
Bricicism
British
British America
British Antarctic Territory
British Cabinet
British Cameroons
British Columbia
British Columbian
British Commonwealth
British Commonwealth of Nations
British East Africa
British Empire
British English
British Guiana
British Honduran
British Honduras
British India
British Indian Ocean Territory
British Indian gum
British Interplanetary Society
British Isles
British Israelite
British Legion
British Malaya
British Museum
British New Guinea
British North America
British North Borneo
British Shorthair
British Somaliland
British Standard Time
British Standards Institution
British Summer Time
British Union of Fascists
British Virgin Islands
British West Africa
British West Indies
British anti-lewisite
British antilewisite
British candle
British dollar
British gallon
British gum
British imperial dry measure
British imperial liquid measure
British money
British thermal unit
British warm
British-israel
Britisher
Britishhood
Britishism
Britishly
Britishness
Britney
Britni
Brito-icelandic
Britomartis
Briton
Britoness
Britt
Britta
Brittain
Brittan
Brittaney
Brittani
Brittany
Brittany cloth
Brittany spaniel
Britte
Britten
Britteny
Brittne
Brittney
Brittni
Britton
Brittonic
Brix
Brix scale
Brikey
Briza
Brize
Brizo
Brnaba
Brnaby
Brno
Bro
Broad
Broad Church
Broad Churchman
Broadalbin
Broadbent
Broadbrim
Broadbrook
Broaddus
Broadford
Broadlands
Broadleaf
Broadmoor
Broadrun
Broads
Broadus
Broadview
Broadwater
Broadway
Broadway musical
Broadwayite
Broadwell
Broddingnag
Broddingnagian
Broca
Broca's area
Broca's convolution
Broca's gyrus
Broccio
Brock
Brocken
Brocken bow
Brocken specter
Brocket
Brockie
Brocklin
Brockport
Brockton
Brockway
Brockwell
Brocky
Brocot escapement
Brocot suspension
Brocton
Brod
Broddie
Broddy
Brodehurst
Brodench
Broder
Broderic
Broderick
Brodeur
Brodhead
Brodheads ville
Brodiaea
Brodie
Brodmax
Brodsky
Brody
Broeder
Broederbond
Broek
Broeker
Brogan
Brogle
Broglie
Brogue
Brohard
Brohman
Broida
Brok
Brokaw
Broken Arrow
Broken Bow
Broken Commandment, The
Broken Hill
Brokenbow
Brom
Bromberg
Brome
Bromeikon
Bromelia
Bromeliaceae
Bromfield
Bromian
Bromios
Bromius
Bromleigh
Bromley
Bromo Seltzer
Brompton stock
Bromsgrove
Bromus
Bron
Bronaugh
Bronchoscopy
Bronder
Bronez
Bronislaw
Bronius Kaminskas
Bronk
Bronnie
Bronny
Bronson
Bronston
Bront
Bronte
Bronteana
Brontes
Brontesque
Brontops
Brontosaurus
Brontotherium
Brontozoum
Bronwen
Bronwood
Bronwyn
Bronx
Bronx cheer
Bronx cocktail
Bronxite
Bronxville
Bronze Age
Bronze Age man
Bronze Star Medal
Bronzino
Brook
Brook Farm
Brook Jacoby
Brookdale
Brooke
Brooke Steppe
Brookeland
Brooker
Brookes
Brookesmith
Brookeville
Brookfield
Brookhaven
Brookhouse
Brooking
Brookings
Brookland
Brooklandville
Brooklawn
Brooklet
Brooklin
Brookline
Brooklyn
Brooklyn Bridge
Brooklyn Center
Brooklynes
Brooklynite
Brookneal
Brookner
Brookport
Brooks
Brooks Range
Brookshire
Brookston
Brooksville
Brookton
Brooktondale
Brookview
Brookville
Brookwood
Broomall
Broome
Broomfield
Broonzy
Brooten
Browning
Browning automatic rifle
Browning machine gun
Browningesque
Brownism
Brownist
Brownistic
Brownistical
Brownlee
Brownlee Park
Brownley
Browns
Brownsboro
Brownsburg
Brownsdale
Brownson
Brownstown
Brownsville
Brownton
Brownstown
Brownville
Brownwood
Broxton
Broz
Brozak
Bruant
Brubaker
Brubeck
Bruce
Bruce Caputo
Bruce Lietzke
Bruce Sutter
Brucella
Bruceton
Brucetown
Bruceville
Bruch
Bruchidae
Bruchus
Brucie
Bruckner
Bructeri
Bruegel
Brueghel
Bruell
Bruksky
Bruges
Brugge
Bruhn
Bruin
Bruington
Bruis
Brule
Brumaire
Brunalia
Brunidi
Brumley
Brummagem
Brummell
Brummie
Brunanburh
Brundidge
Brundisium
Bruneau
Brunei
Brunel
Brunell
Brunella
Brunelle
Brunelleschi
Brunellesco
Brunellia
Brunelliaceae
Bruner
Brunetiere
Brunfelsia
Brunhild
Brunhilda
Brunhilde
Bruni
Bruning
Brunistic
Brunk
Brunn
Brunner
Brunnhilde
Brunnichia
Bruno
Brunonia
Brunoniaceae
Brunonian
Brunonism
Bruns
Brunson
Brunsville
Brunswick
Brunswick black
Brunswick blue
Brunswick green
Brusa
Brusett
Brush
Brushton
Brusly
Brussel
Brussels
Brussels biscuit
Brussels carpet
Brussels griffon
Brussels lace
Brussels point
Brussels sprout
Brussels sprouts
Brut
Bruta
Brutus
Bruxelles
Bruyeres
Bruyn
Bryaceae
Bryales
Bryan
Bryan-Chamorro Treaty
Bryana
Bryanism
Bryanite
Bryansk
Bryant
Bryanthus
Bryantown
Bryantsville
Bryantville
Bryanty
Bryce
Bryce Canyon National Park
Bryceland
Bryceville
Bryn
Bryna
Brynathyn
Bryner
Brynhild
Brynmawr
Brynn
Buch
Buchalter
Buchan
Buchanan
Buchanite
Bucharest
Buchbinder
Buchenwald
Bucher
Buchheim
Buchloe
Buchman
Buchmanism
Buchmanite
Buchner
Buchner funnel
Buchnera
Buchtel
Buchwald
Buck
Buckatunna
Buckden
Buckels
Buckeye State
Buckeystown
Buckfield
Buckhannon
Buckhead
Buckholts
Buckie
Buckinghamp
Buckingham Palace
Buckinghamshire
Buckland
Buckle
Buckler
Buckley
Buckley's chance
Buckleya
Bucklin
Buckman
Bucknell
Buckner
Bucks
Bucksport
Bucky
Bucoda
Bucolics
Bucolion
Bucorvinae
Bucorvus
Bucovina
Bucure
Bucuresti
Bucyrus
Bud
Buda
Budapest
Budd
Budde
Buddenbrooks
Buddh
Buddh Gaya
Buddha
Buddha-field
Buddha-like composure
Buddhahood
Buddhahip
Buddhic
Buddhic body
Buddhism
Buddhist
Buddhist priest
Buddhistic
Buddhistical
Buddhistically
Buddhological
Buddhology
Buddie
Budding
Buddleia
Buddy
Buddy Aydelette
Buddy Biancalana
Bude
Budenovsk
Budenny
Buderus
Budge
Budget
Budh
Budorcas
Budukha
Buduma
Budweis
Budweiser
Buiiron
Buisson
Buitenzorg
Bujumbura
Buka
Bukat
Bukavu
Buke
Bukeyef
Bukhara
Bukhara rug
Bukharin
Bukidnon
Bukittinggi
Bukovina
Bukum
Bul
Bula
Bulacan
Bulan
Bulanda
Bulawayo
Bulbiliis
Bulbochaete
Bulbocodium
Bulbophyllum
Bulent Ecevit
Bulfinch
Bulg
Bulgakin
Bulgar
Bulgari
Bulgaria
Bulgarian
Bulgaric
Bulgarophil
Bulge
Bulger
Bulimulidae
Bulimus
Bull
Bull Moose
Bull Moose Party
Bull Run
Bull Shot
Bull moose
Bull mooser
Bull's Eye
Bunder
Bundesrat
Bundesrath
Bundestag
Bundist
Bundoora
Bundu
Bundy
Bunga
Bungarus
Bunge Corporation
Bunia
Bunin
Buninahua
Bunker
Bunker Hill
Bunker Hill Day
Bunkerville
Bunkie
Bunky
Bunn
Bunnell
Bunni
Bunnie
Bunns
Bunny
Bunodonta
Bunola
Bunomastodontidae
Bunow
Bunsen
Bunsen burner
Bunter
Bunting
Bunuel
Bunos
Bunyan
Bunyanesque
Bunyoro
Buonaparte
Buonarroto
Buonomo
Buononcini
Buote
Buphaga
Buphagus
Buphonia
Buphthalmum
Bupleurum
Buprestidae
Buprestis
Bur
Burack
Buran
Buraq
Buras
Burayan
Buraydah
Burbage
Burbank
Burbankism
Burberries
Burberry
Burch
Burchard
Burchett
Burchfield
Burck
Burckhardt
Burd
Burdelle
Burdtett
Burdette
Burdick
Burdigalian
Burdine
Bure
Bureau of Aeronautics
Bureau of Customs
Bureau of Customs and Excise
Bureau of Internal Revenue
Bureau of the Budget
Bureau of the Census
Burford
Burfordville
Burg
Burgas
Burgaw
Burgener
Burgenland
Burger
Burgess
Burget
Burgettstown
Burghley
Burgin
C battery
C clef
C horizon
C major
C minor
C natural
C of C
C of E
C of S
C power supply
C ration
C recorder
C spring
C supply
C three
C washer
C's
C-E mixture
C-bias
C-in-C
C-note
C-scroll
C-shaped
C-sharp
C-sharp minor
C-star
C/A
C/D
C/L
C/N
C/O
C/o
C3
CA
CAA
CAB
CABS
CAC
CACM
CAD
CADD
CADV
CAE
CAF
CAFE
CAGR
CAI
CAIS
CCD
CCDS
CCF
CCH
CCI
CCIM
CCIP
CCIR
CCIS
CCITT
CCL
CCNC
CCNY
CCP
CCR
CCRP
CCS
CCSA
CCT
CCTA
CCTAC
CCTV
CCU
CCV
CCW
CCIs
CD
CDA
CDAR
CDB
CDC
CDCF
CDEV
CDF
CDI
CDIAC
CDN
CDO
CDP
CDPR
CDR
CDROM
CDS
CDSF
CDT
CDU
CE
CEA
Caddie
Caddo
Caddoan
Caddric
Cade
Cadel
Cadell
Cadena
Cadence
Cadenza
Cades
Cadet
Cadillac
Cadiz
Cadman
Cadmam
Cadmar
Cadmarr
Cadmean
Cadmean victory
Cadmopone
Cadmus
Cadogan
Cadogan teapot
Cadorna
Cadott
Caducibranchiata
Cadwal
Cadwallader
Cadwell
Cady
Cadyville
Cadzand
Caecilia
Caeciliae
Caeciliidae
Caedmon
Caedmonian
Caedmonic
Caela Sculptoris
Caela sculptoris
Caeli
Caelian
Caelum
Caelus
Caen
Caen stone
Caeneus
Cahill
Cahill quill
Cahilly
Cahita
Cahn
Cahnite
Cahokia
Cahokia Mounds
Cahokia mound
Cahone
Cahors
Cahra
Cahuapan
Cahuilla
Cai
Caia
Caia
Caia
Caikos
Caicos Islands
Cailean
Caileac
Cailly
Cain
Cain and Abel
Cain-colored
Caine
Caines
Caingang
Caingangs
Caingua
Cainian
Cainish
Cainism
Cainite
Cainitic
Cainozoic
Cainsville
Caïrba
Caïrd
Caïrd Coast
Caïrene
Cairristion
Cairn terrier
Cairnbrook
Cairngorm Mountains
Cairngorm stone
Cairns
Cairo
Calas
Calathea
Calatrava
Calaveras skull
Calaveras warbler
Calbert
Calcaire grossier
Calcarea
Calcasieu River
Calceolaria
Calchaqui
Calchaquian
Calchas
Calciferous
Calcispongiae
Calculagraph
Calcutta
Calcutta ginger
Calcutta hemp
Calcutta pool
Calcydon
Caldecott award
Caldeira
Calder
Caldera
Caldereca
Calderon
Calderon Guardia
CaldoraCaldwell
Caldwell
Cale
Caleb
Calebite
Caledonia
Caledonian
Caledonian Canal
Calemes
Calen
Calender
Calendra
Calendre
Calendula
Calera
Calesta
Caletor
Calexico
Calgary
Calhan
Calhoun
Calhoun Falls
Cali
Cali yuga
Calia
Caliban
Calibanism
Caliburn
Caliburno
Calica
Calicut
Calicut ginger
Calida
Calie
Caliente
Calif
Califon
California
California condor
California fuchsia
California green
California poppy
California wine
Californian
Californium
Caligula
Calimere
Calimeris
Calinago
Calinog
Calio
Calion
Calipatria
Calippus
Calista
Caliskan
Calista
Calistoga
Calite
Calixtin
Calixtine
Calixto
Calixtus
Calixtus I
Calixtus II
Calixtus III
Calkins
Call
Calvados
Calvano
Calvaries
Calvary
Calvary clover
Calvary cross
Calvatia
Calve
Calvert
Calverton
Calvin
Calvina
Calvinian
Calvinism
Calvinist
Calvinistic
Calvinistical
Calvinistically
Calvinize
Calvinna
Calvo
Calvo doctrine
Calycanthaceae
Calycanthus
Calyce
Calyceraceae
Calycocarpum
Calycophora
Calycophorae
Calycozoa
Calydon
Calydonian
Calydonian boar
Calydonian hunt
Calymene
Calypso
Calyp sos
Calypterae
Calyp to blastea
Calyptorchynchus
Calyptraea
Calyptranthes
Calyptrata
Calyptratae
Calyp tro gyne
Calysta
Calystegia
Cam
Cam Ranh
Camacan
Camacho
Camag
Camaguey
Camak
Camala
Camaldolensian
Camaldolese
Camaldolesian
Camaldolite
Camaldule
Camaldulian
Camanche
Camarasaurus
Camarata
Camargo
Camarillo
Camarines Sur
Camas
Camassia
Camaxtli
Camb
Camball
Cambalo
Cambarus
Cambay
Camberwell
Camberwell beauty
Cambeva
Cambodia
Cambodian
Cambon
Camborne-Redruth
Cambra
Cambrai
Cambria
Cambrian
Cambrian Mountains
Cambric
Cambridge
Cambridge City
Cambridge Platonism
Cambridge Platonist
Cambridge School
Cambridge blue
Cambridgeport
Cambridgeshire
Cambro-briton
Cambs
Cambuscan
Camby
Cambyses
Cambyuskan
Camden
Camdenton
Came
Camel
Camelid
Camelidae
Camelina
Camella
Camellia
Camelliaceae
Camellus
Cameloidea
Camelopardalis
Camelopardid
Camelopardidae
Camelopardus
Camelot
Camelus
Camembert
Camembert cheese
Camena
Camenae
Camenes
Cameo
Camerata
Camerina
Camerinidae
Cameron
Cameronian
Cameroon
Cameroons
Cameroun
Camestres
Camey
Camfort
Cami
Camiguin
Camila
Camile
Camilia
Camilla
Camille
Canad
Canada
Canada anemone
Canada balsam
Canada barberry
Canada bluegrass
Canada crookneck
Canada goose
Canada jay
Canada lily
Canada lily
Canada lynx
Canada moonseed
Canada potato
Canada thistle
Canada turpentine
Canadensis
Canadian
Canadian French
Canadian River
Canadian Shield
Canadian bacon
Canadian football
Canadian hemlock
Canadian pondweed
Canadian whiskey
Canadianism
Canadianization
Canadianize
Canadianized
Canadianizing
Canadys
Canajoharie
Canakkale
Canal Zone
Canale
Canaletto
Canalou
Canamary
Cananaean
Canandaigua
Canandelabrum
Cananaea
Cananea
Cananean
Cananga
Canangium
Canara
Canarese
Canari
Canarian
Canaries
Canaries current
Canariote
Canarium
Canarsee
Canary
Canary Islands
Canary balm
Canary bellflower
Canary island bellflower
Canary island date palm
Canaseraga
Canastota
Canavali
Canavalia
Canaveral
Canberra
Canby
Cancer
Canchi
Cancri
Cancrid
Cancun
Cand
Candace
Candee
Candi
Candia
Candice
Candida
Candide
Candie
Candiott
Candiote
Candis
Candlemas
Candlemas Day
Candlemas day
Candler
Candless
Cando
Candalde
Candollea
Candolleaceae
Candor
Candra
Candy
Cannice
Canning
Canning Basin
Cannizzaro
Cannock
Cannon
Cannonism
Cannonsburg
Cannonville
Cannstatt
Cannulate
Canoeiro
Canoga
Canon
Canones
Canonization, The
Canonsburg
Canopic
Canopic jar
Canopic vase
Canopus
Canossa
Canotas
Canova
Canovanas
Canrobert
Canso
Cant
Cantab
Cantabri
Cantabrian
Cantabrian Mountains
Cantabrigian
Cantabrise
Cantacuzene
Cantal
Cantate
Canter
Canterburian
Canterburianism
Canterbury
Canterbury Tales, The
Canterbury bell
Canterbury gallop
Canterbury lamb
Canterbury palm
Canterbury tale
Cantharellus
Cape Cod
Cape Cod Bay
Cape Cod Canal
Cape Cod cottage
Cape Colony
Cape Colored
Cape Coloured
Cape Dutch
Cape Flats
Cape Girardeau
Cape Horn
Cape Horn fever
Cape Kennedy
Cape May
Cape Peninsula
Cape Province
Cape Skagen
Cape Town
Cape Verde
Cape Verde Islands
Cape Wrath
Cape York
Cape York Peninsula
Cape aloe
Cape anteater
Cape armadillo
Cape buffalo
Cape cart
Cape cod lighter
Cape cod turkey
Cape codder
Cape cowslip
Cape doctor
Cape dutch
Cape elk
Cape flyaway
Cape forget-me-not
Cape gooseberry
Cape hottentot
Cape hunting dog
Cape jasmine
Cape magnum
Cape may warbler
Cape of Good Hope
Cape periwinkle
Cape polecat
Cape pondweed
Cape ruby
Cape sparrow
Cape town
Capefair
Capek
Capella
Capello
Capels
Capemay
Capeneddick
Capernaism
Capernaite
Capernaitic
Capernaitical
Capernaistically
Capernaithish
Capernaum
Capet
Capetian
Capetonian
Capetown
Capeville
Caph
Caphaurus
Caphtor
Caphtorim
Capistrano
Capitalis curia regis
Capitan
Capitan pasha
Capito
Capitol
Capitol Heights
Capitol Hill
Capitola
Capitolian
Capitoline
Capitolium
Capitonidae
Capitoninae
Capiz
Caplan
Capnodium
Capnoides
Capodacqua
Capon
Capone
Caporetto
Capote
Capp
Cappadocia
Cappadocian
Cappagh brown
Capparidaceae
Capparis
Cappella
Cappello
Cappotas
Capps
Capra
Caprellidae
Capreolus
Capri
Capri blue
Capri pants
Caprice
Capricorn
Capricorni
Capricornid
Capricornus
Caprifoliaceae
Caprifolium
Caprimulgi
Caprimulgidae
Caprimulgiformes
Caprimulgus
Capriola
Capriote
Capris
Capromys
Capron
Capsella
Capshaw
Capsian
Capsicum
Capsidae
Capt
Captain Bobadil
Captain Hicks
Captain Hook
Captain Kidd
Captain's Daughter, The
Captaincook
Captiva
Capua
Capuan
Capuanus
Capuchin
Capuchin cross
Capuchin nun
Capulet
Capulin
Caputa
Caputo
Caputto
Capuzzo
Capwell
Capys
Caquet
Caquetio
Car
Car Nicobar
Cara
Carabancel
Carabidae
Carabini
Carabus
Caracalla
Caracas
Caracas kino
Caractacus
Caradoc
Caradon
Caragana
Caraguata
Cara
Caraipa
Caraja
Carajas
Caralie
Caramuel
Carandas
Caranga
Carangidae
Carangus
Caranx
Carapa
Carapacho
Carapidae
Carapus
Carara
Caras
Caratinga
Caratunk
Caravaggio
Caravette
Caraviello
Carayan
Caraz
Carberry
Carbo
Carbolineum
Carboloy
Carbona
Carbonado
Carbonari
Carbonarism
Carbonarist
Carbonaro
Carboncliff
Carbondale
Carbone
Carboni
Carboniferous
Carbonnieux
Carborundum
Carboxydomonas
Carbrey
Carcas
Carcassonne
Carcavelhos
Cerce
Carcel lamp
Carcharhinus
Carcharias
Carchariidae
Carcharodon
Carchemish
Carcinoscorpius
Card
Cardale
Cardamine
Carda genus
Cardanic
Cardanus
Cardea
Cardenas
Carder
Cardew
Cardiacea
Cardiazol
Cardie
Cardiff
Cardiff giant
Cardiga
Cardigan
Cardigan Bay
Cardiganshire
Cardiidae
Cardijn
Cardin
Cardinal
Cardinal camerlingo
Cardinalis
Cardinalis datarius
Cardinas
Cardington
Cardiospermum
Cardito
Cardium
Cardium clay
Cardon
Cardozo
Carduaceae
Carducci
Carduelis
Carduus
Cardville
Cardwell
Care
Careaga
Careers Officer
Carel
Caren
Carena
Carencro
Carenton
Caresa
Caressa
Caresse
Caretta
Carettochelydidae
Carew
Carex
Carey
Carey Street
Careywood
Cargian
Cargill
Caripuna
Cariri
Caririan
Carisa
Carissa
Carissimi
Carita
Caritta
Carius
Cariyo
Carl
Carl Channell
Carl Icahn
Carl XVI Gustaf
Carl Yastrzemski
Carla
Carland
Carlee
Carleen
Carlen
Carlene
Carleta
Carleton
Carleton Gajdusek
Carley
Carli
Carlick
Carlie
Carlile
Carlin
Carlina
Carlinae
Carline
Carling
Carling float
Carling sunday
Carlini
Carlinville
Carlisle
Carlism
Carlist
Carlita
Carlo
Carlo Alberto Dalla Chiesa
Carlo Confalonieri
Carlock
Carlos
Carlos Arana Osorio
Carlos Castillo Armas
Carmella
Carmelle
Carmelo
Carmen
Carmena
Carmencita
Carmenta
Carmentis
Carmi
Carmichael
Carmichaels
Carmina
Carmine
Carmine beauty
Carmita
Carmon
Carn
Carnac
Carnacian
Carnahan
Carnap
Carmaria
Carnarvon
Carnarvon arch
Carnarvonshire
Carnatic
Carnation
Carnay
Carneades
Carnegie
Carnegie hero's medal
Carnegiea
Carnes
Carnesville
Carneus
Carney
Carniola
Carniolan
Carnival
Carnivora
Carnot
Carnot cycle
Carnot engine
Carnot principle
Carnot refrigerator
Carnot's theorem
Carnoustie
Carnovsky
Carnus
Carny
Caro
Caro's acid
Caroid
Carol
Carol II
Carol-Jean
Carola
Carolan
Carolann
Carole
Carolean
Carolean
Carolee
Caroleen
Carolin
Carolina
Carolina allspice
Carolina anemone
Carolina ash
Carolina bay
Carolina chickadee
Carolina jasmine
Carolina jessamine
Carolina lily
Carolina moonseed
Carolina parakeet
Carolina rail
Carolina rhododendron
Carolina vanilla
Carolina wren
Caroline
Caroline Islands
Caroling
Carolingeian
Carolinian
Carolle
Carols Menem
Carolus
Carolus dollar
Carolyn
Carolyne
Carolynn
Carolynne
Caron
Carona
Carony bark
Carothers
Carpaccio
Carpathia
Carpathian
Carpathian Mountains
Carpathians
Carpatho-Ukraine
Carpatho-russian
Carpatho-ruthenian
Carpeaux
Carpentaria
Carpenter
Carpenteria
Carpentersville
Carpentier
Carper
Carpet
Carphiophiops
Carphophis
Carpinteria
Carpinus
Carpio
Carpiodes
Carpo
Carpocapsa
Carpocratian
Carpodacus
Carpodetus
Carpoidea
Carpophaga
Carpophorus
Carr
Carrabelle
Carracci
Carranza
Carrara
Carrara marble
Carraran
Carrboro
Carree
Carrel
Carrelli
Carrere
Carrew
Carri
Carrick
Carrickmacross applique
Carrickmacross guipure
Carrickmacross lace
Carthage
Carthaginian
Carthall
Carthamuses
Carthamus red
Carthusian
Carthy
Carte
Cartier
Cartier-Bresson
Cartilaginei
Cartilagines
Cartist
Cartwell
Cartwright
Carum
Carupano
Caruso
Caruthers
Caruthersville
Carver
Carver chair
Carversville
Carvey
Carville
Cary
Carya
Caryatis
Caryl
Caryll
Caryn
Caryocar
Caryocaraceae
Caryophyllaceae
Caryophyllus
Caryopteris
Caryota
Caryville
Cas
Casa
Casa Grande
Casabianca
Casablanca
Casabonne
Casadesus
Casady
Casaleggio
Casals
Cassidulina
Cassiduloidea
Cassidy
Cassie
Cassiepea
Cassiepean
Cassiepeia
Cassil
Cassilda
Cassinese
Cassini
Cassianian
Cassino
Cassiodorus
Cassiope
Cassiopea
Cassiopean
Cassiopeia
Cassiopeia's Chair
Cassiopeiae
Cassiopeian
Cassiopeid
Cassirer
Cassis
Cassite
Cassius
Cassius Longinus
Cassius purple
Cassoday
Cassondra
Cassopolis
Casstown
Cassville
Cassy
Cassythia
Cassythaceae
Casta
Castalia
Castalian
Castalides
Castalio
Castana
Castanea
Castanopsis
Castanospermum
Castara
Casteau
Casteel
Castel Gandolfo
Castell
Castella
Castellammare di Stabia
Castellanos
Castelli Romani
Castellina
Castelnuovo-Tedesco
Castelo Branco
Castelvetro
Caster
Castera
Castiglione
Castile
Castile earth
Castile soap
Castilian
Castilian Spring
Castilian brown
Castilla
Castilla la Vieja
Castilla rubber
Castilleja
Castillo
Castillo de Montjioch
Castilloa
Castine
Castle
Castle of Otranto, The
Castle walk
Castle, The
Castleberry
Castledale
Castletford
Castleford ware
Castleragh
Castleton
Castlewood
Castor
Castor and Pollux
Castor ware
Castora
Castores
Castoridae
Castorina
Castorland
Castoroides
Castra
Castries
Castro
Castroism
Castroist
Castroite
Castrop-Rauxel
Castrovile
Casuaridae
Casuariformes
Casuarina
Casuarinaceae
Casuarinales
Casuarius
Caswell
Casziel
Cat
Cat on a Hot Tin Roof
Cataebates
Catalian
Catalan
Catalanganes
Catalanist
Catalaunian
Cataldo
Catalin
Catalina
Catalina Island
Catalina cherry
Catalonia
Catalonian
Catalonian jasmine
Catalpa
Catamarca
Catamarcan
Catamarenan
Catamitus
Catananche
Catania
Catano
Catanzaro
Cataphracta
Cataphracti
Cataphrygian
Catarina
Catarrhina
Catassauqua
Catasetum
Cataula
Cataumet
Catavi
Catawba
Catawissa
Catcher in the Rye, The
Cate
Catechism
Caterina
Caterpillar
Caterpillar Club
Caterpillar tractor
Cates
Catesbaea
Catesby
Cath
Catha
Cathar
Cathari
Catharina
Catharine
Catharism
Catharist
Catharistic
Catharpin
Cathars
Catharsius
Cathartae
Cathartes
Cathartidae
Cathartides
Cathartolinum
Cathay
Cathayan
Cathe
Cathee
Cather
Catherin
Catherina
Catherine
Catherine I
Catherine II
Catherine Parr
Catherine de Medici
Catherine de' Medici
Catherine of Alexandria
Catherine of Aragon
Catherine of Siena
Catherine pear
Catherine wheel
Catherine-wheel window
Catherwood
Catheryn
Cathey
Cathi
Cathie
Cathlamet
Cathleen
Cathlene
Catholic
Catholic Action
Catholic Church
Catholic Emancipation Act
Catholic Epistles
Catholic league
Catholic leaguer
Catholicism
Catholicity
Cathomycin
Cathrin
Cathrine
Cathryn
Cathy
Cathy Guisewite
Cathyleen
Cati
Catie
Catilinarian
Catiline
Catima
Catina
Catalaina
Catlee
Catlett
Catlettsburg
Catlin
Cato
Catocala
Catoctin
Catodon
Catoism
Caton
Catonian
Catonic
Catonically
Catonism
Catonsville
Catoosa
Catoquina
Catostomidae
Catostomus
Catreus
Catrina
Catriona
Catron
Catskill
Catskill Mountains
Catskills
Catt
Cattan
Cattaraugus
Cattegat
Cattell
Catti
Cattier
Cattima
Cattle damara
Cattleya
Catto
Catton
Catty
Catullian
Catullus
Caty
Cauca
Caucasia
Caucasian
Caucasian lily
Caucasian race
Caucasian rug
Caucasic
Caucasoid
Caucasoid race
Caucasus
Caucasus Mountains
Caucete
Cauchy
Cauchy integral formula
Cauchy integral theorem
Cauchy sequence
Cauchy's inequality
Cauchy-Riemann equations
Cauchy-Schwarz inequality
Caucon
Caudata
Caudebec
Caudillo
Caudine Forks
Caughey
Caughnawaga
Caulerpa
Caulerpaceae
Caulfield
Caulite
Caulonia
Caulophyllum
Caulopteris
Caundra
Caunos
Caunus
Cauquenes
Cauqui
Caurus
Causeries du Lundi
Causey
Causus
Cauthornville
Cauvery
Cav
Cavafy
Cavalerius
Cavalier
Cavalier poets
Cavalieri
Cavallaro
Cavan
Cavanagh
Cavanaugh
Cave
Cavell
Cavendish
Cavendish banana
Cavendish experiment
Caves
Caves du Vatican
Cavetown
Cavia
Cavicornia
Cavidae
Cavil
Cavill
Cavina
Caviness
Cavit
Cavite
Cavour
Cavuoto
Cawdrey
Cawley
Cawnpore
Cawood
Caxias
Caxton
Caxtonian
Cayapa
Cayapo
Cayce
Caye
Cayenne
Cayenne cherry
Cayenne incense
Cayes
Cayey
Cayla
Cayley
Cayleyan
Caylor
Cayman Islands
Cayser
Cayubaba
Cayubaban
Cayucos
Cayuga
Cayuga Heights
Cayuga Lake
Cayuga duck
Cayugan
Cayugas
Cayuse
Cayuta
Cayuvava
Caz
Cazadero
Cazenovia
Cazzie
Cb
Cc
Ccapac cocha
Ccapac raymi
Ccapac situa
Cceles
Cedar
Cedar Falls
Cedar Lake
Cedar Rapids
Cedarbrook
Cedarburg
Cedarcrest
Cedaridge
Cedarhurst
Cedarkey
Cedarlane
Cedars
Cedartown
Cedarvale
Cedarville
Cedell
Cedretas
Cedrela
Cedric
Cedrus
Ceevah
Ceevee
Cefis
Ceiba
Ceil
Cel-o-Glass
Cela
Celadon
Celaeno
Celal Bayar
Celanese
Celanese acetate
Celarent
Celastraceae
Celastrus
Celaya
Cele
Celebes
Celebes Sea
Celebesian
Celebrezze
Celene
Celeomorphae
Celeski
Celesta
Celeste
Celestia
Celestial City
Centaurid
Centauridium
Centaurium
Centaurus
Centenary
Centennial State
Centeno
Center
Center Moriches
Centerville
Centerville-Dublin Gulch
Centetes
Centetidae
Centiloquy
Centimani
Centonze
Centrahoma
Central African Empire
Central African Federation
Central African Republic
Central America
Central American
Central American Common Market
Central Bay
Central Committee
Central European Time
Central Falls
Central India
Central India Agency
Central Indian Agency
Central Intelligence Agency
Central Park
Central Powers
Central Provinces and Berar
Central Region
Central Standard Time
Central Treaty Organization
Central time
Centrales
Centralia
Centranthus
Centrarchidae
Centraxonia
Centre
Centrechinoida
Centrehall
Centreville
Centricae
Centriscidae
Centriscus
Centrolepidaceae
Centropomidae
Centropomus
Centrosema
Centrostomus
Centunculus
Centuria
Century
Cephaelis
Cephalacanthidae
Cephalacanthus
Cephalanthus
Cephalaspidotus
Cephalata
Cephalariospila
Cephalosperma
Cephalina
Cephalobranchiata
Cephalocereus
Cephalochorda
Cephalochordata
Cephalodiscida
Cephalodiscus
Cephalonia
Cephalophus
Cephalopoda
Cephalopterus
Cephalosporium
Cephalotaceae
Cephalotaxus
Cephalotus
Cephalus
Cephas
Cephe
Cepheid
Cepheid variable
Cepheus
Cepheidae
Cephus
Cepolidae
Ceporah
CerE
Cerallua
Ceram
Ceramius
Cerambyx
Cercopithecus
Cercospora
Cercospora
Cercosporella
Cercyon
Cerdonian
Cerebratulus
Ceredo
Cerelia
Cerell
Cerellia
Cerelly
Cerenkov
Cerenkov counter
Cerenkov radiation
Ceres
Ceresco
Cereus
Cerf
Cerialia
Cerianthidae
Cerianthus
Cerigo
Cerinthe
Cerinthian
Ceriomyces
Cerion
Cerionidae
Cerionis
Cerithiidae
Cerithium
Cern
Cernauti
Cernuda
Ceroxyylon
Cerracchio
Cerrillos
Cerritos
Cerro
Cerro Gordo
Cerro de Pasco
Cerrogordo
Cert Ed
Certhia
Certhiidae
Certie
Cervantes
Cervantist
Cerveny
Ceto
Cetomorpha
Cetonia
Cetoniidae
Cetoniinae
Cetorhinidae
Cetorhinus
Cetraria
Cetura
Cetus
Ceuta
Cevedet
Cevennes
Cevennian
Cevenol
Cevenole
Cevenole race
Ceylon
Ceylon cinnamon
Ceylon gooseberry
Ceylon morning-glory
Ceylon moss
Ceylonese
Ceyx
Cezanne
Cezannesque
Cf
Ch
Ch’an
Ch’an Buddhism
Ch’ang Ch’un
Ch’eng Huang
Ch’eng-Chu school
Ch’ien Lung
Ch’in
Ch’ing
Ch’ing-yan
Ch’iu Ch’u-chi
ChB
ChE
ChM
Cha
Cha’ah
Cha-cha
Chabichou
Chablis
Chabot
Chabrier
Chaetura
Chaetura black
Chaetura drab
Chafee
Chaffee
Chaffin
Chaffinch
Chaga
Chagall
Chagas' disease
Chagatai
Chagga
Chagres
Chagres fever
Chagrín Falls
Chahab
Chahar
Chai Ling
Chaiken
Chaikovski
Chaillot
Chaim
Chaim Herzog
Chain
Chained Lady
Chainey
Chaing
Chaingy
Chair of Forgetfulness
Chait
Chak
Chakales
Chakavski
Chaker
Chako Higuchi
Chal
Chalastogastra
Chalcedon
Chalcedonian
Chalcidian
Chalcidic
Chalcidice
Chalcididae
Chalcidoidea
Chalcioecus
Chalciope
Chalcis
Chalcolithic
Chald
Chaldae-pahlavi
Chaldaei
Chaldaic
Chaldaical
Chaldaism
Chaldea
Chaldean
Chaldee
Chaldee church
Chaldee paraphrase
Chaldi Benjedid
Chalfont
Chaliapin
Chalicotheriiidae
Chalicotherium
Chalina
Chalinaidae
Chalinitis
Challis
Chally
Chalmer
Chalmers
Chalmette
Chalon-sur-Sa
Chalonnais
Chalons
Chalons-Sur Marne
Chalons-sur-Marne
Chalukya
Chalukyan
Chalybean
Chalybes
Cham
Cham-selung
Chama
Chamacea
Chamacoco
Chamaebatia
Chamaecistus
Chamaecrista
Chamaecyparis
Chamaedaphne
Chamaeleo
Chamaeleon
Chamaeleontidae
Chamaeleontis
Chamaelirium
Chamaenerion
Chamaepericlymenum
Chamaerops
Chamaesaura
Chamaesiphon
Chamaesiphonaceae
Chamaesiphonaceous
Chamaesiphonales
Chamaesyce
Chamar
Chamber of Deputies
Chamber of Nations
Chamber of Notables
Chamber of Representatives
Chamber of the People
Chamberino
Chamberlain
Chamberlin
Chambers
Chambersburg
Chambersville
Chambertin
Chambry
Chambria
Chambord
Chambly
Chamdo
Chamian
Chamicuro
Chamidae
Chaminade
Chamisal
Chamite
Chamizal
Chamkanni
Chamkis
Chamoisette
Chamomilla
Chamonix
Chamorro
Chamorros
Chamos
Chamouni
Champ
Champa
Champagne
Champagne-Ardenne
Champaign
Champagne
Champenois
Champigny-sur-Marne
Champion of England
Champlain
Champlain epoch
Champlain forge
Champlainic
Champlin
Champpollion
Champs Elysees
Champs lys
Chamuel
Chamyne
Chan
Chan-chan
Chana
Chanaan
Chanabal
Chanc
Chanca
Chancay
Chance
Chance-claus process
Chancelade race
Chancellor
Chancellor of the Exchequer
Chancellorsville
Chancelor
Chancery Division
Chancey
Chanda
Chandal
Chandarmagar
Chandernagor
Chandernagore
Chandi
Chandigarh
Chandler
Chandlersville
Chandlerville
Chandless
Chandos
Chandra
Chandragupta
Chane
Chanel
Chaney
Chang
Chang Fei
Chang Hsien
Chang Kiang
Chang Kuo
Chang Tao-Fan
Chang Teh
Chang Tso-lin
Changan
Changaris
Changchiakow
Changchow
Changchowfu
Changchun
Changewater
Changoan
Changos
Changsha
Changteh
Changuina
Changuinan
Chanhassen
Chanidae
Channa
Channahon
Channel
Channel Country
Channel Islands
Channing
Chanson de Roland
Chansoo
Chantal
Chantalle
Chantilly
Chantilly lace
Chantilly sauce
Chants de Maldoror Les
Chanukah
Chanute
Chany
Chao
Chao Kuang-yin
Chao Phraya
Chaoan
Chaochow
Chaochowfu
Chaon
Chaos and old Night
Chaouia
Chaource
Chap
Chapa
Chapacura
Chapacuran
Chapanec
Chapei
Chapel
Chapel Hill
Chapell
Chapen
Chapin
Chapland
Chaplin
Chapman
Chapmansboro
Chapmanville
Chapnick
Chappaqua
Chappaquiddick
Chappelka
Chappell
Chappells
Chappie
Chappy
Chaptico
Chapultepec
Char
Chara
Characeae
Characinidae
Charadrii
Charadriidae
Charadriiformes
Charadriomorphae
Charadrius
Charales
Charbonneau
Charbonnier
Charca
Charcas
Charcas
Charchemish
Charcot
Chard
Chardin
Chardon
Chardonnay
Chardonnnet
Charente
Charente-Maritime
Charenton
Charge of the Light Brigade, The
Chari
Chari-Nile
Charicleia
Chariclo
Charie
Charil
Charin
Charing Cross
Chariot
Charis
Charissa
Charisse
Charita
Charites
Chariton
Charity
Charity Commissioners
Charla
Charlean
Charlee
Charleen
Charlemagne
Charlemont
Charlena
Charlene
Charleroi
Charleroy
Charles
Charles Atlas
Charles Bolte
Charles Dederich
Charles Edward Stuart
Charles Haughey
Charles Helou
Charles Hutto
Charles I
Charles I Hunting
Charles I in Hunting Dress
Charles II
Charles III
Charles IV
Charles IX
Charles Jean Yacoub
Charles Martel
Charles Mottet
Charles Town
Charles V
Charles VI
Charles VII
Charles X
Charles XI
Charles XII
Charles XIV
Charles de Gaulle
Charles the Great
Charles' Wain
Charles' law
Charles's Wain
Charleston
Charlestown
Charlet
Charleton
Charleville-M€ze
Charlevoix
Charley
Charley Nobel
Charley Noble
Charley horse
Charley pitcher
Charlie
Charlie Bourgeois
Charlie Hough
Charlie Lea
Charlie McCarthy
Charlie Noble
Charlier shoe
Charline
Charlo
Charlot
Charlotta
Charlotte
Charlotte Amalie
Charlotte Russe
Charlottenburg
Charlottesville
Charlottetown
Charlottesville
Charlton
Charlton white
Charlye
Charlyn
Charlyne
Charmain
Charmaine
Charmane
Charmco
Charmeuse
Charmian
Charminar
Charmine
Charmion
Charo
Charolais
Charollais
Charon
Charonian
Charonic
Charontas
Charophyta
Charops
Charpentier
Charron
Charruan
Charruas
Charry
Charta
Charta charitatis
Charter boy
Charter school
Charterhouse
Charterhouse of Parma, The
Charterhouses
Charteris
Charterist
Charters
Chartism
Chartist
Chartley
Chartres
Chartreuse
Chartreux
Charvaka
Charybdian
Charybdis
Charyl
Chas
Chase
Chaseburg
Chaseley
Chasid
Chasidic
Chasidim
Chasidism
Chaska
Chasles
Chasse
Chasselas
Chassell
Chassin
Chastacosta
Chastain
Chastity
Chataignier
Chatav
Chatawa
Chateau
Chateau ausone
Chateau brane-cantenac
Chateau d’Yquem
Chateau dyquem
Chateau hautbrion
Chateau lafite
Chateau-Thierry
Chateaubriand
Chateaugay
Chateauneuf-du-Pape
Chateauroux
Chatfield
Chatham
Chatham Island
Chatham Islands
Chatillon
Chatino
Chatom
Chatot
Chatsworth
Chattahoochee
Chattahoochee formation
Chattanooga
Chattanoogan
Chattanoogian
Chattaroy
Chatterjee
Chatterton
Chattertonian
Chatti
Chatwin
Chaucer
Chaucerian
Chauceriana
Chaucerianism
Chaucerism
Chauchat
Chaudoin
Chau
Chauliodes
Chaumont
Chaumont-en-Bassigny
Chauna
Chaunce
Chauncey
Chausson
Chautauqua
Chautauquan
Chautemps
Chauvin
Chavannes
Chavante
Chavantean
Chavaree
Chaves
Chavey
Chavez
Chavies
Chavignol
Chavin
Chawia
Chaworth
Chayefsky
Chayma
Chayota
Chazy
Che
Che Guevara
CheE
Cheadle
Cheam
Cheap-jack
Cheapside
Cheatham
Cheb
Chebacco
Cheloniidae
Chelsae
Chelsea
Chelsea bun
Chelsey
Chelsie
Chelsy
Cheltenham
Chelton
Chelura
Chelyabinsk
Chelydidae
Chelydra
Chelydridae
Chelyuskin
Chem
ChemE
Chema
Chemakuan
Chemar
Chemaram
Chemarin
Chemash
Chemehuevi
Chemesh
Chemical Mace
Chemnitz
Chemosh
Chemstrand
Chemulpo
Chemult
Chemung
Chemush
Chen
Chen Chu
Chen Yen Buddhism
Chen Yi
Chena River
Chenab
Chenay
Chenee
Cheney
Cheneyville
Cheng
Cheng Heng
Cheng Wu
Chengchow
Chengteh
Chengtu
Chenier
Chenin blanc
Chennault
Chenoa
Chenopodiaceae
Chenopodiales
Chenopodium
Chenoweth
Cheops
Chepachet
Chephren
Chequers
Cher
Chera
Cheraw
Cherbourg
Cherche Midi
Chere
Cheremis
Cheremiss
Cheremissian
Cheremkhovo
Cherenkov
Cherenkov radiation
Cherey
Cheri
Cheria
Cherian
Cherianne
Cheribon
Cherice
Cherida
Cherie
Cheries
Cherif Hamia
Cherilyn
Cherilynn
Cherin
Cherise
Cherish
Cheriton
Cherkess
Cherkesser
Cherlyn
Chermes
Chermidae
Chermish
Cherneviye tatars
Chernobyl
Chernomorish
Chernovtsy
Chernow
Cherokee
Cherokee rose
Cherokees
Cherri
Cherrita
Cherry
Cherry Orchard, The
Cherryfield
Cherrylog
Cherrytree
Cherryvale
Cherryville
Chersydidae
Chertsey
Cherubic Hymn
Cherubicon
Cherubikon
Cherubini
Cherusci
Chervante
Chery
Cherye
Cheryl
Cherylene
Ches
Chesaning
Chesapeake
Chesapeake Bay
Chesapeake Bay retriever
Chesapeake and Delaware Canal
Chesapeake bugeye
Chesapeake canoe
Cheshire
Cheshire cat
Cheshire cheese
Cheshunt
Cheshvan
Cheslie
Chesna
Chesnee
Chesney
Chesnut
Chessa
Chessy
Chester
Chester White
Chesterfield
Chesterfieldian
Chesterland
Chesterton
Chestertown
Chesterville
Cheston
Cheswick
Cheswold
Chet
Chetek
Chetnik
Chetopa
Chetumal
Cheung
Cheux
Chev
Chevak
Cheval blanc
Chevalier
Chevalier-Montrachet
Chevallier
Cheverly
Cheves
Cheviot
Cheviot Hills
Chevret
Chevrier
Chevrolet
Chevrotin
Chevy
Chevy Chase
Chew
Chewa
Chewalla
Chewelah
Chewings fescue
Chewsville
Cheyenne
Cheyenne River
Cheyennes
Cheyne
Cheyne-Stokes breathing
Cheyne-Stokes respiration
Cheyney
Chichester
Chichester elm
Chichewa
Chichi Jima
Chichihara
Chichihar
Chichimec
Chichivache
Chick
Chickahominny
Chickamauga
Chickasaw
Chickasaws
Chickasha
Chicken Itsa
Chickie
Chicky
Chiclayo
Chico
Chicoine
Chicomecoatl
Chicopee
Chicora
Chicota
Chidester
Chief Education Officer
Chief Executive
Chief Justice
Chief Rabbi
Chief Secretary
Chief of Staff
Chiefland
Chiemsee
Chien
Chien ware
Chiengmai
Chiengrai
Chiffney bit
Chifley
Chignik
Chigwell
Chihli
Chihuahua
Chihuahua pine
Chikamatsu
Chikmagalur
Chil
Chilcat
Chilcats
Chilcoot
Chilcote
Child
Child's Garden of Verses, A
Childe
Childe Harold's Pilgrimage
Childerms
Childers
Childersburg
Children of Hercules
Children's Crusade
Children's Day
Children's Hour, The
Childress
Childs
Childwold
Chile
Chile hazel
Chile pine
Chile saltpeter
Chile saltpetre
Chilean
Chilean arborvitae
Chilean bellflower
Chilean guava
Chilean tarweed
Chilean wine
Chileanization
Chileanize
Chiles
Chilhowee
Chilhowie
Chilina
Chilinidae
Chilion
Chilkat
Chilkats
Chilkoot Pass
Chill
Chillan
Chillicothe
Chilliwack
Chillon
Chilmark
Chilo
Chiloe Island
Chilognatha
Chilomastix
Chilomonas
Chilon
Chilopoda
Chilopsis
Chiloquin
Chilostoma
Chilostomata
Chilpancingo
Chilson
Chilt
Chiltern
Chiltern Hills
ChilTERN Hundreds
Chilton
Chilung
Chimacum
Chimaeridae
Chimaeroidei
Chimakuan
Chimakum
Chimalakwe
Chimalapa
Chimane
Chimaphila
Chimarikan
Chimariko
Chimayo
Chimborazo
Chimbote
Chimene
Chimique
Chimkent
Chimmesyan
Chimonalthus
Chimu
Chimus
Chin
Chin Hills
Chin-Chou
Chin-Hsien
China
China Sea
China aster
China grass
China grass cloth
China ink
China oil
China plate
China rose
China silk
China tree
China wood oil
Chinagraph
Chinaman
Chinamen
Chinan
Chinantecan
Chinantecs
Chinatown
Chinchasuyu
Chinchilla cat
Chincoteague
Chindit
Chindwin
Chinee
Chinese
Chinese Chippendale
Chinese Empire
Chinese Revolution
Chinese Turkestan
Chinese Wall
Chinese artichoke
Chinese banana
Chinese block
Chinese blue
Chinese boxer
Chinese boxing
Chinese cabbage
Chinese calendar
Chinese checkers
Chinese chequers
Chinese cinnamon
Chinese copy
Chinese crescent
Chinese date
Chinese eddo
Chinese evergreen
Chinese fan palm
Chinese fire drill
Chinese fleece-vine
Chinese forget-me-not
Chinese gelatin
Chinese glue
Chinese gooseberry
Chinese hibiscus
Chinese house
Chinese ink
Chinese isinglass
Chinese jujube
Chinese juniper
Chinese lacquer
Chinese landing
Chinese lantern
Chinese lantern plant
Chinese lug
Chinese pavilion
Chinese pistachio
Chinese potato
Chinese primrose
Chinese puzzle
Chinese quince
Chinese red
Chinese remainder theorem
Chinese rug
Chinese sacred lily
Chinese scholar tree
Chinese snowball
Chinese tag
Chinese tree wax
Chinese trumpet creeper
Chinese vermillion
Chinese wall
Chinese water torture
Chinese watermelon
Chinese waterplant
Chinese wax
Chinese white
Chinese windlass
Chinese wisteria
Chinese wood oil
Chinese yam
Chinese-houses
Chinesery
Ching
Ching ming
Ching-t'u
Ching-t'u Buddhism
Ching-tu
Chinghai
Chingpaw
Chingtao
Chinhwan
Chink
Chinkiang
Chinle
Chinle formation
Chinnampo
Chino
Chino-
Chino-japanese
Chinook
Chinook Jargon
Chinook licorice
Chinook salmon
Chinookan
Chinooks
Chinua
Chiococca
Chiogenes
Chionanthus
Chionaspis
Chione
Chionididae
Chionis
Chionodoxa
Chios
Chiot
Chiou
Chip
Chipewyan
Chipley
Chipman
Chippendale
Chippewa
Chippewas
Chippeway
Chippeways
Chiquia
Chiquinquira
Chiquita
Chiquitan
Chiquito
Chir River
Chirac
Chiran
Chirau
Chireno
Chiriana
Chiricahua
Chirico
Chiriguano
Chirikof
Chirino
Chiriqui
Chirlin
Chiromantis
Chiromyidae
Chiromys
Chiron
Chironomidae
Chironomus
Chiroteca
Chiroteca
Chirotecta
Chirotectidae
Chirotectus
Chirotherium
Chisedec
Chishima
Chisholm
Chisholm Trail
Chisimaio
Chisin
Chita
Chitimacha
Chitimachan
Chitina
Chitkara
Chitrugupta
Chitruli
Chittagong
Chittagong wood
Chittenango
Chittenden
Chiusi
Chivers
Chivington
Chiwere
Chkalov
Chladek
Chladni
Chlamydia
Chlamydothacteriaceae
Chlamydothacteriales
Chlamydomonadaceae
Chlamydomonadidae
Chlamydomonas
Chlamydoselachidae
Chlamydoselachus
Chlamydozoa
Chlamyphorus
Christ Jesus
Christ Within
Christ and the beloved disciple
Christ child
Christ follower
Christ in Majesty
Christ row
Christ's thorn
Christ's-thorn
Christ-borne
Christ-confessing
Christ-given
Christ-hymning
Christ-imitating
Christ-inspired
Christ-professing
Christ-taught
Christa
Christabel
Christabella
Christabelle
Christadelphian
Christadelphianism
Christal
Christalle
Christian
Christanna indian
Christchurch
Christdom
Christeleon
Christean
Christed
Christel
Christen
Christendie
Christendom
Christenmas
Christensen
Christenson
Christhood
Christi
Christiaan
Christiad
Christian
Christian Action
Christian Brethren
Christian Brother
Christian Brothers
Christmas pantomime
Christmas present
Christmas pudding
Christmas rose
Christmas seal
Christmas shield fern
Christmas song
Christmas stocking
Christmas tree
Christmas tree farming
Christmasberries
Christmasberry
Christmasberry tree
Christmasing
Christmastide
Christmastime
Christmasy
Christo-
Christocentric
Christocentrism
Christoff
Christoffel
Christoffer
Christoforo
Christogram
Christolatry
Christological
Christologies
Christologist
Christology
Christoper
Christoph
Christophanic
Christophanies
Christophany
Christophe
Christophe Gbenye
Christopher
Christophorus
Christos
Christoval
Christy
Christye
Christyna
Chrisy
Chrobak
Chromatiosideae
Chromatium
Chromel
Chromidae
Chromides
Chromididae
Chromo
Chromobacterieae
Chromobacterium
Chron
Chronicles
Chronium
Chronos
Chronoton
Chroococcaceae
Chroococcales
Chroococcus
Chroosperma
Chrotoem
Chrtien de Troyes
Chrysa
Chrysamphora
Chrysaor
Chryseis
Chrysemys
Chryses
Chrysidella
Chrysididae
Chrysippus
Chrysis
Chrysler
Chrysobalanaceae
Chrysobalanus
Chrysochloridae
Chrysochloris
Chrysolophus
Chrysomelidae
Chrysomonadales
Chrysomonadina
Chrysomyia
Chrysopa
Chrysophonius
Chrysophyctis
Chrysophyllum
Chrysopidae
Chrysops
Chrysopsis
Chrysosplenium
Chrysostom
Chrysostomus
Chrysothamnus
Chrysothemis
Chrysothrix
Chrysotis
Chrysee
Chrysalis
Chtaire
Chtaire-Thierry
Chtaireau
Chthonius
Chu
Chu Chiang
Chu Kiang
Chu Lai
Chu Teh
Chuadanga
Chuah
Chular
Chuanchow
Chu ar group
Chubb
Chuch
Chuch Daly
Chuchchi
Chuchchis
Chuchey
Chuchona
Chuck
Chuckchee Sea
Chuckchi
Chuckchis
Chuckchey
Chud
Chude
Chudic
Chudskoye Ozero
Chueta
Chugiaik
Chugwater
Chui
Chuipek
Chuje
Chukchee
Chukchees
Chukchi
Chukchi Peninsula
Cichoriaceae
Cichorium
Cichus
Cicily
Cicindela
Cielo
Cicones
Ciconia
Ciconiae
Ciconians
Ciconiidae
Ciconiiformes
Cicuta
Cid
Cida
Cidaridae
Cidaroida
CIDney
CIDra
Cie
Ciel
Cienfuegos
Cierp de Luchon
Cigar-store indian
Ciitroen
Cila
Ciliata
Cilicia
Cilician
Cilician Gates
Clicism
Cilioflagellata
Ciliophora
Cilissa
Cilix
Cilka
Cilla
Cillus
Cilo
Cilurzo
Cima
Cimabue
Cimah
Cimarosa
Cimarron
Cimbri
Cimbrian
Cimbric
Cimbura
Cimicidae
Cimicifuga
Cimmeria
Cimmerian
Cimmerian darkness
Cimmerian sibyl
Cimmerianism
Cimmerium
Cimon
Cinchona
Cinchonaceae
Cinchobero
Cincinnati
Cincinnatia
Cincinnatian
Cincinnatus
Cinclidae
Cinclidotus
Cinclus
Cinco de Mayo
Cinda
Cindee
Cindelyn
Cinderella
Cindi
Cindie
Cindra
Cindy
Cindylou
Cinebar
Cinelli
CinemaScope
CinemaScopic
Cinemascope
Cinerama
Cineraria
Cingalese
Cingulum veneris
Cini
Cinna
Cinnamomodendron
Cinnamomum
Cinnamon
Cinque Ports
Cinque port
Cinura
Cinyras
Cinzano
Cioban
Cioffred
Cipango
Ciprian
Cipus
Circae
Circaeaceae
Circae
Circaetus
Circassia
Circassian
Circassic
Circe
Circean
Circensian
Circini
Circinus
Circleville
Circlorama
Circosta
Circum-arean
Circum-cytherean
Circum-jovial
Circum-mercurial
Circum-neptunian
Circum-saturnal
Circum-saturnian
Circum-uranian
Circumcellion
Circumcision style
Circus Maximus
Cirenaica
Cirencester
Ciri
Ciriaco de Mita
Cirilla
Cirillo
Cirilo
Ciro
Cirone
Cirratulidae
Cirratulus
Cirrhopetalum
Cirri
Cirripedia
Cirrostomi
Cirsium
Cis
Cis-reformation
Cisalpine
Cisalpine Gaul
Cisalpinism
Ciscaucasia
Cisco
Ciskei
Cismontane
Cismontanism
Cisne
Cissaea
Cissampelos
Cissie
Cissiee
Cissus
Cissy
Cistaceae
Cistercian
Cistercianism
Cistudo
Cistus
Ciszek
Cita
Citarella
Citation
Citellus
Cithaeron
Cithaeronian
Citharexylum
Citigradae
Citizens' Band
Citizenship Day
Citlaltepetl
Citlaltpetl
Cito Gaston
Citra
Citroen
Citromyces
Citron
Citronelle
Citropsis
Citrullus
Citrus
Citticano
City
City Celestial
City Company
City Dionysia
City and Guilds Institute
City of Brotherly Love
City of David
City of God
City of God, The
City of Light
City of Seven Hills
City of Westminster
Ciudad
Ciudad Acuna
Ciudad Bolvar
Ciudad Jurez
Ciudad Madero
Ciudad Mante
Ciudad Real
Ciudad Trujillo
Ciudad Victoria
Ciudad del Carmen
Civia
Civil Aeronautics Administration
Civil Aeronautics Board
Civil Air Patrol
Civil Defense Warning System
Civil War
Civil Wars
Civilian Conservation Corps
Civitan
Civitas Dei
Cixiidae
Cixo
Cl
Clabo
Clackama
Clackamas
Clackmannan
Clackmannanshire
Clacton
Clactonian
Cladocera
Cladodontidae
Cladodus
Cladonia
Cladoniaceae
Cladophora
Cladophoraceae
Cladophorales
Cladoselache
Clarencieux
Clarendon
Clarendon Code
Clarendon Hills
Claresta
Claretta
Clarette
Clarey
Clarhe
Clari
Claribel
Clarice
Clarie
Clarinda
Clarine
Clarington
Clarion
Clarisa
Clarise
Clarissa
Clarisse
Clarist
Clarita
Clark
Clark cell
Clark nutcracker
Clark's crow
Clark's nutcracker
Clarkdale
Clarke
Clarke beam
Clarke's gazelle
Clarkedale
Clarkestown
ClarKnight
Clarkia
Clarkin
Clarks
Clarks Summit
Clarksboro
Clarksburg
Clarksdale
Clarkson
Clarkston
Clarksville
Clarkton
Claromontane
Claromontanus
Clary
Claryville
Clashing Rocks
Class Mammalia
Clathraceae
Clathrarria
Clathrina
Clathrinidae
Clathrus
Clatonia
Clatskanie
Clatsop
Claud
Claudetta
Claude
Claude Brinegar
Claude Cheysson
Claude Duval
Claude Lemieux
Claude Loiselle
Claude Lorrain
Claude tint
Claudel
Clausell
Claudelle
Claudette
Claudia
Claudia Leister
Caudian
Caudianus
Claudie
Caudina
Caudine
Claudio
Claudius
Claudius I
Claudius II
Claudville
Claudy
Claunch
Claus
Clausen
Clausewitz
Clausilia
Clausiliidae
Clausius
Clausius cycle
Clava
Clavaria
Clavariaceae
Claverack
Claviceps
Clavicorns
Clavicornia
Clavius
Clawson
Claxton
Clay
Clay Center
Clayberg
Clayborn
Clayborne
Claybourne
Clayhole
Claymont
Claymore mine
Clayoquot
Claypool
Claysburg
Clayson
Claysville
Clayton
Clayton Antitrust Act
Clayton Gengras
Clayton Yeutter
Clayton fern
Clayton-Bulwer Treaty
Claytonia
Claytonville
Clayville
Clea
Cleanth
Cleantha
Cleanehes
Clear Lake
Clearbrook
Clearchus
Clearfield
Clearmont
Clearsite
Clearview
Clearville
Clearwater
Clearwater Mountains
Cleary
Cleasta
Cleaton
Cleave
Cleaves
Cleavland
Cleburne
Cleetum
Cleethorpes
Cleghorn
Clein
Cleisthenes
Cleistothecopsis
Clela
Cleland
Cleio Darida
Clellan
Clem
Clematis
Clemelemalats
Clemen
Clemence
Clemenceau
Clemency
Clemens
Clemens Kapuuo
Clement
Clement I
Clement II
Clement III
Clement IV
Clement IX
Clement V
Clement VI
Clement VII
Clement VIII
Clement X
Clement XI
Clement XII
Clement XIII
Clement XIV
Clement of Alexandria
Clement of Rome
Clementas
Clemente
Clementi
Clementia
Cleti
Cletis
Cletus
Cleva
Cleve
Cleveland
Cleveland Bay
Cleveland Fuessenich
Cleveland Heights
Clevenger
Cleverdale
Cleves
Clevey
Clevie
Clewiston
Clichy
Clichy-la-Garenne
Clidastes
Clide
Clie
Cliff
Cliff Levingston
Cliffes
Clifford
Cliffside Park
Cliffwood
Cliff
Clifton
Clifton Heights
Cliftonia
Clifty
Clim
Climaciaceae
Climacium
Climatius
Clinchco
Clinchfield
Cline
Clingan
Clingmans Dome
Clinis
Clinopodium
Clint
Clint Malarchuk
Clintock
Clinton
Clintondale
Clintonia
Clintonville
Clintwood
Clionia
Clione
Clippard
Clisiocampa
Clisthenes
Clistogastra
Clite
Clitherall
Clitocybe
Clitoria
Clitus
Clive
Clivia
Cllr
Clo
Cloanthus
Clockville
Cloe
Cloelia
Cloete
Clois
Cloisonnisme
Cloisonnist
Cloister and the Hearth, The
Clonorchis
Clonothrix
Clontarf
Cloots
Clopton
Cloquet
Clorinda
Clorinde
Cloris
Clorox
Clos de Vougeot
Close
Closplint
Closter
Closterium
Clostridium
Clothilda
Clothilde
Clotho
Clotilda
Clotilde
Cloud-cuckoo-land
Cloudcroft
Cloudcuckooland
Clouds
Clouds, The
Clouet
Clough
Clougher
Cloutierville
Cloutman
Clova
Clovah
Clover
Cloverdale
Cloverport
Clovis
Clovis I
Clower
Clubb
Clubionidae
Cluj
Clune
Cluniac
Cluniacensian
Clunisian
Clunist
Cluny
Cluny guipure
Cluny lace
Clupea
Clupeidae
Clupeodei
Clurman
Clusia
Clusiaceae
Clusium
Clute
Clutier
Clwyd
Cly
Clyde
Clyde Barrow
Clyde Lovellette
Clydebank
Clydesdale
Clydesdale terrier
Clydeside
Clydesider
<table>
<thead>
<tr>
<th>Clyman</th>
<th>Clymene</th>
<th>Clymena</th>
<th>Clymenius</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clyman</td>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymene</td>
<td>Clymena</td>
<td>Clymenius</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
<tr>
<td>Clymen</td>
<td>Clymena</td>
<td>Clymena</td>
<td>Clymenius</td>
</tr>
</tbody>
</table>
Cochliodus
Cochlospermaceae
Cochlospermum
Cochran
Cochrane
Cochranea
Cochranton
Cochranville
Cock
Cock lorel
Cockaigne
Cockayne
Cockburn
Cockcroft
Cocke
Cocker
Cockeysville
Cockney
Cockrell Hill
Cocks
Cocktail Party, The
Cocle
Cocles
Coco
Cocoa Beach
Cocolalla
Cocolamus
Coconino
Coconucan
Coconuco
Cocos
Cocos Islands
Cocteau
Cocytean
Cocythus
Cod
Codacci-Pisanelli
Codd
Coddling
Coddington
Code Napoleon
Code Napolon
Code of Hammurabi
Codee
Codel
Codell
Coden
Codex Juris Canonici
Codi
Codiaceae
Codiaeum
Codiales
Codie
Codium
Codorus
Codrus
Cody
Coe
Coeburn
Coelacanthidae
Coelacanthini
Coelastraceae
Coelastrum
Coelata
Coelebogyne
Coeleminthes
Coelentera
Coelenterata
Coelicolae
Coelicolist
Coello
Coelococcus
Coeloglossum
Coelogynae
Coelomata
Coelomocoela
Coendidae
Coendou
Coerebidae
Coeur d'Alene
Coeur de Lion
Coeus
Coeymans
Cofane
Coff's Harbour
Coffea
Coffee
Coffeen
Coffeeville
Coffeng
Coffey
Coffeyville
Coffin
Coffman
Cofield
Cofsky
Cogan
Cogen
Coggan
Coggon
Cognac
Cognitum
Cogswell
Cogswell chair
Cogswelliia
Coh
Cohagen
Cohan
Cohanim
Cohasset
Cohbath
Cohberg
Cohbert
Cohby
Cohdwell
Cohe
Coheman
Cohen
Cohens
Cohette
Cohin
Cohl
Cohla
Cohleen
Cohlette
Cohlier
Cohligan
Cohn
Cohoctah
Cohocton
Cohoes
Cohutta
Coibita
Coila
Coimbatore
Coimbra
Coinjock
Cointon
Cointreau
Coire
Coit
Coix
Cokato
Coke
Cokeburg
Cokedale
Coker
Cokeville
Col
Cola
Colada
Colan
Colares
Colas
Colaxais
Colb
Colbaith
Colbert
Colbertism
Colburn
Colby
Colbye
Colchester
Colchian
Colchicaceae
Colchicum
Colchis
Colcine
Colcord
Cold
Cold Harbor
Cold-streamers
Coldbrook
Colden
Coldstream
Coldstream Guards
Coldwater
Cole
Colebrook
Coleen
Coleman
Coleman lantern
Colen
Colene
Coleochaetaceae
Coleochaete
Coleophora
Coleophoridae
Coleoptera
Coleosporiaceae
Coleosporium
Colerain
Coleraine
Coleridge
Coleridge-Taylor
Coleridgian
Coles
Colesburg
Colet
Coleta
Coletta
Colette
Coles
Colesburg
Colfax
Colfin
Colgate
Colias
Colier
Coligni
Coligny
Coliidae
Coliiformes
Colima
Colin
Colinette
Colinson
Colinus
Colis
Coliseum
Colius
Colla
Collar
Collayer
Collbainth
Collbran
Colle Sannita
Collect
Colleen
College Park
College Place
College of Arms
College of Cardinals
College of Justice
College of Propaganda
Collegiant
Collembola
Collen
Colleri
Colleries
Collery
Collery horn
Collery stick
Colles' fracture
Colles's fracture
Collete
Colletes
Colletia
Colletidae
Colletotrichum
Collette
Collettsville
Colley
Colleyville
Collie
Collier
Colliers
Colliersville
Collierville
Colligan
Collimore
Collin
Colline
Collingswood
Collingwood
Collins
Collins Street Farmer
Collinsia
Collinsonia
Collinston
Collinsville
Collinwood
Collis
Collison
Collocalia
Colldi
Collomia
Colloq
Collum
Colly
Collybia
Collyer
Collyridian
Colman
Colmar
Colmer
Colmesneil
Coln
Colner
Colo
Colobus
Colocasia
Colocephali
Cologne
Cologne brown
Cologne water
Coloma
Colomb-Bchar
Colombes
Colombey Les Deux Eglises
Colombi
Colombia
Colombian
Colombina
Colombo
Colombo Plan
Colombo agent
Colome
Colon
Colona
Colonel Blimp
Colonel bogey
Colonel fuller
Colonial Heights
Colonial bed
Colonie
Colonies
Colonsay
Colophon
Colophonian
Color index
Colora
Coloradan
Colorado
Colorado Day
Colorado Desert
Colorado Plateau
Colorado Springs
Colorado beetle
Colorado blue spruce
Colorado potato beetle
Colorado red cedar
Colorado spruce
Coloradoan
Colorum
Colorum
Colosseum
Colossian
Colossians
Colossochelys
Colossus of Rhodes
Colossuswise
Colour index
Coloured
Colp
Colpin
Colpoda
Colquitt
Colrain
Colson
Colston
Colstrip
Colt
Colt revolver
Coltee
Coltin
Colton
Coltrane
Coltsone
Coltun
Coltwood
Coluber
Colubridae
Colubriformes
Colubriformia
Colubrina
Colubrinae
Colum
Columba
Columba Noae
Columbae
Columban
Columbanian
Columbatz fly
Columbella
Columbia
Columbia Heights
Columbia formation
Columbia lava plateau
Columbian
Columbian red
Columbiana
Columbiaville
Columbid
Columbidae
Columbiformes
Columbine
Columbus
Columbus Day
Columbus day
Columbyne
Columellia
Columelliaceae
Columna bellica
Colusa
Colutea
Colver
Colvert
Colville
Colvin
Colwell
Colwen
Colwich
Colwin
Colwyn
Colwyn Bay
Colyer
Colymbidae
Colymbiformes
Colymbus
Com
Com Ver
Coma Berenices
Coma berenices
Coma berenicid
Comae Berenices
Comaetho
Coman
Comanche
Comanchean
Comanches
Comandra
Comaneci
Comarum
Combat Infantryman Badge
Combat Information Center
Combe
Combe-Capelle
Combe-Capelle man
Combe-capelle
Combes
Combretaceae
Conchobar
Conchobor
Conchostraca
Conchubar
Conchucar
Concoff
Conconully
Concord
Concord buggy
Concord coach
Concord grape
Concord wine
Concorde
Concordia
Concordville
Concorrezanes
Cond
Conda
Condalia
Condamine
Conde
Condillac
Condit
Condition Humaine, La
Condon
Condorcet
Condylarthra
Condylomera
Condylura
Conegliano Veneto
Conehatta
Conejos
Conelrad
Conemaugh
Conemaugh formation
Conestee
Conestoga
Conestoga wagon
Conesus
Conesville
Conetoe
Coney
Coney Island
Confed
Confederacy
Confederate
Confederate Memorial Day
Confederate States of America
Confederate rose
Confederate vine
Confederate violet
Confederation
Conferva
Confervaceae
Confervales
Confervoideae
Confiteor
Confluence
Confucian
Confucianism
Confucianist
Confucius
Cong
Congdon
Conger
Congers
Congerville
Congo
Congo Free State
Congo brown
Congo color
Congo dye
Congo red
Congo rubine
Congoese
Congolese
Congoleum
Congonhas
Congregation of the Oratory
Congregational Church
Congregationalism
Congregationalist
Congregationer
Congreso
Congress
Congress Party
Congress of Vienna
Congressional Medal of Honor
Congressional Record
Congressional district
Congressman
Congresso
Congreve
Congreve match
Congreve rocket
Congridae
Coniacian
Coniah
Conias
Conidae
Coniferae
Conilurus
Coniogramme
Coniophora
Coniopterygidae
Conioselimum
Coniothryrium
Conirostres
Coniston Water
Conium
Conjugales
Conjugatae
Conklin
Conlan
Conlee
Conlen
Conley
Conlin
Conlon
Conn
Connacht
Connally
Connaraceae
Connarus
Connaught
Conneaut
Conneaut Lake
Conneautville
Connecticut
Connecticut chest
Connecticut warbler
Connee
Connel
Connell
Connelley
Connellsville
Connelly
Connemara
Conner
Conners
Connersville
Connerville
Connett
Conney
Coni
Connie
Connocochaeetes
Connolly
Connor
Connors
Conny
Conocarpus
Conoecephalum
Conocephalus
Conolophus
Conon
Conopholis
Conopidae
Conopophaga
Conopophagidae
Conor
Conorhinus
Conover
Conowingo
Conoy
Conqueror
Conquest
Conrad
Conrad Elvehjem
Conrade
Conrado
Conrail
Conral
Conran
Conrath
Conringia
Conroe
Conroy
Cons
Consalve
Consecration
Conservatism
Conservative
Conservative Baptist
Conservative Jew
Conservative Judaism
Conservative Party
Consett
Conshohocken
Consistory court
Consolamentum
Consolata
Consolation of Philosophy, The
Consolato
Consolato del Mare
Consolidated Fund
Const
Constable
Constableville
Constance
Constancia
Constancy
Constans I
Constant
Constanta
Constantia
Constantin
Constantina
Constantine
Constantine Caramanlis
Constantine Chapralis
Constantine I
Constantine II
Constantine Kollias
Constantine Mitsotakis
Constantine XI
Constantinian
Constantino
Constantinople
Constantinopolitan
Constantinopolitan Creed
Constantinopolitan rite
Constituent Assembly
Constitution Day
Constitution clock
Constitution mirror
Constitution state
Constitution, The
Constitutional Convention
Constitutional Democratic party
Constitutional Union Party
Constructivism
Constructivist
Consuela
Consuelo
Consus
Cont
Conte
Conti
Continent
Cooleemee
Cooley
Coolgardie safe
Coolidge
Coolidge tube
Coolin
Coolville
Coombs
Coombs test
Coonan
Coop
Cooper
Cooper's Creek
Cooper's hawk
Cooperative Party
Cooperia
Cooperman
Coopersburg
Coopersmith
Cooperstein
Cooperstown
Coopersville
Coorg
Coors
Coos
Coos Bay
Coosa
Coosada
Coosuc
Cooter
Cop
Copaifera
Copaiva
Copake
Copan
Cope
Copelan
Copeland
Copelata
Copelatae
Copemish
Copenhagen
Copenhagen blue
Copeognatha
Copepoda
Copernican
Copernican system
Copernican universe
Corcovado Peak
Corcyra
Corcyraean
Cord
Cordaitaceae
Cordaitales
Cordalia
Corday
Corday d'Armont
Cordeau
Corded culture
Cordeelia
Cordele
Cordelia
Cordelie
Cordialier
Cordeliers
Cordell
Corder
Cordery
Cordesville
Cordey
Cordi
Cordia
Cordial Medoc
Cordie
Cordier
Cordilleran
Cordilleras
Cordle
Cordoba
Cordova
Cordovan
Cordula
Cordy
Cordyceps
Cordylanthus
Cordyline
Core
Corea
Coree
Coreen
Coregonidae
Coregonus
Coreidae
Corel
Corell
Cornucopiæ
Cornulites
Cornus
Cornville
Cornwall
Cornwallis
Cornwallville
Cornwell
Corny
Coro
Coroado
Coroebus
Corolla
Coromandel Coast
Coromandel work
Corona Australis
Corona Borealis
Corona borealis
Coronado
Coronae Australis
Coronae Borealis
Coronel
Coronilla
Coronis
Coronopus
Coronus
Coropo
Corot
Corotto
Corozal
Corp
Corpl
Corporal
Corporation act
Corporative Chamber
Corpus Christi
Corpus Christi Bay
Corpus Juris Canonici
Corpus Juris Civilis
Corpus christi
Corpus domini
Corr
Corrado
Corrado Barazzutti
Corrales
Correa
Correctionville
Correggio
Cortney
Corton
Cortona
Cortot
Corty
Corum
Corumba
Coruminacan
Coruna
Corunna
Corvallis
Corvese
Corvi
Corvidae
Corvin
Corvinae
Corvo
Corvus
Corwin
Corwith
Corwun
Cory
Coryat
Coryate
Corybant
Corybantes
Corybantian
Corybantic
Corybantine
Corybants
Corycia
Corycian
Corydalis
Coryden
Corydon
Coryell
Corylacedae
Corylopsis
Corylus
Corynebacterium
Corynetes
Coryneum
Corynne
Corynocarpaceae
Corynocarpus
Corypha
Corypha palm
Coryphaea
Coryphaena
Coryphaenidae
Coryphaenoididae
Coryphasia
Coryphodon
Corythus
Cos
Cosa Nostra
Cosby
Coscinodiscaceae
Coscinodiscus
Coscob
Cosenza
Cosetta
Cosette
Cosgrave
Cosgrove
Coshocton
Coshow
Cosimo
Cosma
Cosmati
Cosme
Cosmetas
Cosmo
Cosmopolis
Cosmos
Cosmotron
Cossack
Cossack post
Cossaean
Cossayuna
Cossidae
Cost
Costa
Costa Brava
Costa Mesa
Costa Rica
Costa Rica nightshade
Costa Rican
Costa rican
Costaea
Costain
Costanoan
Costanza
Costanzia
Costata
Coste-Floret
Cottle
Cottleville
Cotton
Cotton State
Cottondale
Cottonian
Cottonopolis
Cottonport
Cottonton
Cottontown
Cottrell
Cottus
Cotuit
Cotulla
Coturnix
coty
Cotyleus
Cotylophora
Cotylosauria
Cotys
Cotyttia
Coucher
Couchman
Couderay
Coudersport
Coue
Coueism
Couette flow
Coug Wickenheiser
Coughlin
Coulomb
Coulomb field
Coulomb's law
Coulombe
Coulommiers
Coulson
Coulter
Coulter pine
Coulers
Coulterville
Coumarouna
Coumas
Counce
Council Bluffs
Council Grove
Council of Economic Advisers
Council of Economic Advisors
Council of Europe
Council of Nationalities
Council of Nicaea
Council of States
Council of Ten
Council of Trent
Council of the Reich
Council of the Union
Council of the Valleys
Council on Environmental Quality
Count
Count Folke Bernadotte
Count of Monte Cristo, The
Countee
Counter Reformation
Counter-Reformation
Counterfeiters, The
Countess
Counting of the Omer
Couperin
Couperus
Coupeville
Coupland
Courantyne
Courbet
Courbevoie
Courcy
Courier
Courland
Courmand
Cours
Court
Court of Appeal
Court of Appeals
Court of Arches
Court of Awards
Court of Common Bank
Court of Common Council
Court of Common Pleas
Court of Criminal Appeal
Court of Exchequer
Court of Exchequer Chamber
Court of Justiciary
Court of King's Bench
Court of Peculiars
Court of Private Land Claims
Court of Queen's Bench
Court of Saint James
Court of Session
Court of St James
Court of St James's
Court of the Duchess of Lancaster
Courtelle
Courtenay
Courteney
Courtier, The
Courtland
Courtnay
Courtney
Courtois
Courtraai
Courtship of Miles Standish, The
Courtund
Cousance-les-Forges
Coushatta
Cousin
Cousins
Coussoule
Cousteau
Cousy
Coutet
Couture
Covarecan
Covarecas
Covarrubias
Covel
Covell
Covelo
Covena
Covenant
Covenant-israel
Covenanter
Coveney
Covent Garden
Covent garden
Covent garden theatre
Coventry
Coventry bell
Coverdale
Coverley
Covesville
Coviello
Covillea
Covina
Covington
Cowan
Cowanesque
Cowansville
Coward
Cowarts
Cowden
Cowdrey
Cowell
C Owen
Cowen
Cowes
Coweta
Cowey
Cowgill
Cowichan
Cowichan sweater
Cowiche
Cowie
Cowl
Cowles
Cowlesville
Cowley
Cowlitz
Cown
Cowper
Cowper's gland
Cowper's glands
Cowperian
Cox
Cox's Orange Pippin
Coxey
Coxsackie
Coxsackie virus
Coxwell chair
Coxyde
Coy
Coyanosa
Coyle
Coyolxauhqui
Coyote State
Coyotero
Coysevox
Coyville
Cozad
Cozens
Cozmo
Cozumel
Cozza
Cozzens
Cpl
Cr
Crab
Crab Nebula
Crab cactus
Crab nebula
Crabb
Crabbe
Craborchard
Crabtree
Cracca
Cracidae
Cracinae
Cracker State
Cracow
Cradock
Cradockville
Cradock
Craftint
Crafton
Craftsbury
Craftype
Crag
Cragford
Craggie
Craggy
Cragsmoor
Craig
Craig Biggio
Craig Ehlo
Craig Laughlin
Craig Wolanin
Craigavon
Craigie
Craigmont
Craigs ville
Craigville
Craik
Crailsheim
Crain
Crai ova
Crale y
Cralg
Cram
Crambe
Cram bidae
Crambinae
Crambus
Cramer
Cramer's rule
Cramerton
Cran
Cranach
Cranaus
Cranbury
Crandale
Crandall
Crandell
Crandon
Crane
Craner
Cranesville
Cranford
Crania
Craniatia
Craniotha
Cranko
Cranks
Cranmer
Cranston
Cranwell
Crapo
Crary
Craryville
Crashaw
Craspedota
Crassina
Crassula
Crassulaceae
Crassus
Crataegus
Crataeis
Crataeva
Crater
Crater Lake
Crater Lake National Park
Crater Mound
Craterellus
Craterid
Crateris
Cratinean
Cratus
Craven
Cravenette
Cravenetted
Cravenetting
Craw
Crawford
Crawfordsville
Crawfordville
Crawley
Crawthumper
Crax
Crayne
Craynor
Cry
Creamer
Crean
Creath
Creation
Creation epic
Creation of the World
Creator
Creator of all things
Crecey
Credit Mobilier
Credit Suisse
Credo
Credo play
Cree
Cree potato
Creede
Creedmoor
Creedon
Creek
Creeks
Creel
Crees
Crefeld
Creigh
Creight
Creighton
Creil
Crelin
Crelen
Crelhen
Crema Danica
Crema de Lima
Creme des Vosges
Cremer
Cremet Nantais
Cremini
Cremnitz white
Cremona
Crenothrix
Crenshaw
Creodonta
Creola
Creole
Creolin
Creon
Crepidula
Crepin
Crepis
Crepý
Cres
Cresa
Cresbard
Crescantia
Crescas
Crescen
Crescendo
Crescent
Crescentia
Crescin
Crescint
Cresco
Cresida
Cresius
Crespontes
Crespi
Crespo
Cressey
Cressi
Cressida
Cressie
Cresskill
Cressler
Cresson
Cressona
Cressy
Crest Hill
Crestline
Creston
Crestone
Crestview
Crestwood
Creswell
Creta
Cretaceous
Cretacic
Cretan
Cretan bear's-tail
Cretan bull
Cretan dittany
Cretan mullein
Cretan spikenard
Crete
Cretheis
Cretheus
Cretic
Cretism
Creto-mycenaean
Creusa
Creuse
Creusois
Creusot
Creusot Loire
Creve Coeur
Crevecoeur
Crewe
Crex
Cricetidae
Cricetus
Crichton
Crick
Cricotus
Criders
Crifasi
Crile
Crim
Crim tatar
Crime and Punishment
Crimea
Crimean
Crimean War
Crimora
Crimplene
Crin
Criniger
Crinoidea
Crinum
Crioceras
Crioceris
Criophoros
Criophorus
Crippen
Cripple Creek
Cripps
Cris
Crises
Crisey
Criseyde
Crisfield
Crisium
Crispa
Crispas
Crispen
Crispi
Crispin
Crispinian
Crissie
Crissy
Crist
Crista
Cristabel
Cristal
Cristatella
Cristen
Cristi
Cristian
Cristiano
Cristie
Cristin
Cristina
Cristine
Cristineaux
Cristino
Cristiona
Cristionna
Cristispira
Cristivomer
Cristobal
Cristoforo
Cristophe
Cristy
Criswell
Critchfield
Crichtidia
Critique of Pure Reason
Critta
Crittenden
Critz
Crius
Crivitz
Cro-Magnon
Cro-Magnon man
Cro-magnon
Cro-magnon race
Croaker
Croat
Croatan
Croatan indian
Croatia
Croatian
Crocanthemum
Croce
Croceatas
Crocheron
Crocidura
Crocker
Crockett
Crocketville
Crockford
Crocodile River
Crocodilia
Crocodilidae
Crocodilus
Crocodilelidae
Crocodilelus
Crocosmia
Crocus
Croesi
Croesus
Croesuses
Croesusi
Crofoot
Croft
Crofton
Croghan
Crohn's disease
Croix
Croix de Feu
Croix de Guerre
Crokinole
Crom
Cromer
Cromerian
Crommelin
Crommyonian sow
Cromona
Crompton
Cromwell
Cromwell Current
Cromwellian
Cromwellian chair
Cronartium
Croner
Crotone
Crotopagha
Crotopus
Crottin de Chavignol
Crotty
Crotus
Crouse
Crouseville
Crow
Crowder
Crowe
Crowell
Crowheart
Crowley
Crown
Crown Agent
Crown Derby
Crown Derby ware
Crown Office
Crown Point
Crown, the
Crowns
Crownsville
Crowville
Croydon
Crozet
Crozier
Cruce
Crucianella
Crucible, The
Crucibulum
Cruciferae
Crucifixion
Crucis
Crudden
Cruger
Cruickshank
Cruikshank
Crum
Crummock Water
Crumpler
Crumpton
Crumrod
Crusades
Crusca
Crusoe
Crustacea
Crutched Friar
Crutched friar
Crutcher
Crux
Cruyff
Cruz
Cruz Alta
Cryan
Crypteronia
Crypteroniaceae
Crypto-calvinism
Crypto-calvinist
Crypto-calvinistic
Crypto-catholic
Crypto-catholicism
Crypto-christian
Crypto-fenian
Crypto-jesuit
Crypto-jew
Crypto-jewish
Crypto-protestant
Crypto-royalist
Crypto-socinian
Cryptobranchia
Cryptobranchiata
Cryptobranchidae
Cryptobranchus
Cryptocarya
Cryptocepha
Cryptocerata
Cryptoleidus
Cryptococcus
Cryptodira
Cryptogamia
Cryptoglaux
Cryptogramma
Cryptomeria
Cryptomonadales
Cryptomonadina
Cryptonemiales
Cryptophagidae
Cryptophyceae
Cryptoprocta
Cryptorhynchus
Cryptostegia
Cryptostomata
Cryptotaenia
Cryptozoic
Cryptozonia
Cubelium
Cubero
Cubism
Cubomedusae
Cubrun
Cuchan
Cuchiilo
Cuchulain
Cuchulainn
Cuchullain
Cucujid
Cucujidae
Cucujus
Cuculi
Cuculidae
Cuculiformes
Cculus
Cucumaria
Cucumariidae
Cucumis
Cucurbita
Cucurbitaceae
Cucta
Cuda
Cudahy
Cudddebackville
Cuddy
Cudlip
Cuenca
Cuenca bark
Cuernavaca
Cuero
Cuervo
Cueva
Cufic
Cui
Cuiaba
Cuiabor Cuyab
Cuicuilco
Cuitlateco
Cujam
Cukor
Culavamsa
Culberson
Culbert
Culbertson
Culdee
Culdesac
Curacao
Curare
Curavecan
Curcio
Curculio
Curculionidae
Curcuma
Curdsville
Curetes
Curhan
Curia
Curia Regis
Curia Romana
Curiatii
Curie
Curie point
Curie temperature
Curie's law
Curie-Weiss law
Curitiba
Curitis
Curityba
Curkell
Curley
Curllsville
Curnin
Curr
Curran
Curren
Currency and Housing
Currer
Currey
Currie
Currier
Currier and Ives
Currituck
Curry
Curryville
Cursa
Curson
Cursores
Cursoria
Cursoriidae
Cursorius
Curt
Curt Giles
Curt-hose
Curtana
Cutleriaceae
Cutleriales
Cutlerr
Cutlip
Cutlor
Cutshin
Cuttack
Cutter
Cuttie
Cuttingsville
Cuttler
Cutty
Cutty Sark
Cuttyhunk
Cutuno
Cuvier
Cuvierian
Cuxhaven
Cuyab
Cuyaba
Cuyahoga Falls
Cuyama
Cuyapo
Cuyler
Cuyp
Cuzceno
Cuzco
Cuzzart
Cvennes
Cwikelnik
Cwlth
Cwmbran
Cy
Cyamus
Cyanamid
Cyanastraceae
Cyanastrum
Cyane
Cynea
Cyanea
Cyanocitta
Cyanophyceae
Cyanospiza
Cyathaspis
Cyathea
Cyatheaceae
Cyathophyllidae
Cyathophyllum
Cyb
Cybebe
Cybele
Cybil
Cybill
Cybister
Cycadaeae
Cycadales
Cycadeoidea
Cycadofilicales
Cycadofilices
Cycadophyta
Cycas
Cychosz
Cychreus
Cyclades
Cycladic
Cyclamycin
Cyclanthaceae
Cyclanthales
Cyclanthus
Cycliae
Cyclobothra
Cycloconium
Cycloganoidei
Cycloidei
Cycloloma
Cyclomyaria
Cyclone fence
Cyclopean
Cyclopes
Cyclophorus
Cyclopic
Cyclops
Cyclopteridae
Cycorrhapha
Cyclospodyli
Cyclosporales
Cyclosporeae
Cyclosporinae
Cyclostoma
Cyclostomata
Cyclostomatidae
Cyclostomes
Cyclostomi
Cyclostomidae
Cyclothella
Cyclothurus
Cypressinn
Cypria
Cyprian
Cyprian of Carthage
Cyprididae
Cypridina
Cypridinidae
Cyprina
Cyprinidae
Cyprinodontes
Cyprinodontidae
Cyprinoidea
Cyprinus
Cyprio
Cypriot
Cypriote
Cypriote syllabary
Cypripedium
Cypris
Cypro
Cypro-Minoan
Cypro-phoenician
Cyprus
Cyprus earth
Cyprus umber
Cypseli
Cypselid
Cypselidae
Cypseliformes
Cypselomorphae
Cypselus
Cyra
Cyrano
Cyrano de Bergerac
Cyrena
Cyrenaic
Cyrenaic hedonism
Cyrenaica
Cyrenaicism
Cyrene
Cyrenian
Cyrie
Cyril
Cyril of Alexandria
Cyril of Jerusalem
Cyrill
Cyrilla
Cyrillaceae
Cyrille
Cyrillian
Cyrillianism
Cyrillic
Cyrillus
Cyrtandraceae
Cyrtidae
Cyrtoceras
Cyrtomium
Cyrus
Cysatus
Cystidea
Cystignathidae
Cystoflagellata
Cystoidea
Cystonectae
Cystophora
Cystopteris
Cystopus
Cythera
Cytherea
Cytherean
Cytherella
Cytherellidae
Cytniaceae
Cytinus
Cytissorus
Cytisus
Cytophaga
Cytospora
Cytosporina
Cyxicene
Cyxicus
Czajer
Czanne
Czarra
Czech
Czechic
Czechish
Czechization
Czecho-Slovak
Czecho-Slovakia
Czecho-Slovakian
Czechosl
Czechoslovak
Czechoslovakia
Czechoslovakian
Czelwav Kacmarex
DIAS
DIB
DIC
DID
DIF
DIFMOS
DIL
DILOG
DIM
DIMS
DIN
DIN number
DIP
DIR
DIRE
DIRT
DIS
DISA
DISOSS
DIU
DIV
DIX
DIY
DJ
DJS
DJT
DK
DLA
DLC
DLCU
DLE
DLG
DLI
DLL
DLO
DLP
DLS
DLTU
DLUPG
DLitt
DM
DM display
DMA
DMD
DMDT
DME
DMI
DMK
DPC
DPE
DPH
DPI
DPM
DPMI
DPN
DPNH
DPNPH
DPP
DPS
DPSK
DPW
DPhil
DQ
DQDB
DQL
DR
DRAM
DRD
DRE
DRG
DRI
DRMU
DRP
DRS
DS
DSA
DSAB
DSBAM
DSC
DSCS
DSD
DSDC
DSE
DSEE
DSI
DSM
DSN
DSO
DSP
DSR
DSRI
DSS
DSSI
DST
DSTN
DSU
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Full Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSW</td>
<td></td>
</tr>
<tr>
<td>DSX</td>
<td></td>
</tr>
<tr>
<td>DSc</td>
<td></td>
</tr>
<tr>
<td>DT</td>
<td></td>
</tr>
<tr>
<td>DT's</td>
<td></td>
</tr>
<tr>
<td>DT's, the</td>
<td></td>
</tr>
<tr>
<td>DTAS</td>
<td></td>
</tr>
<tr>
<td>DTB</td>
<td></td>
</tr>
<tr>
<td>DTC</td>
<td></td>
</tr>
<tr>
<td>DTE</td>
<td></td>
</tr>
<tr>
<td>DTF</td>
<td></td>
</tr>
<tr>
<td>DTG</td>
<td></td>
</tr>
<tr>
<td>DTI</td>
<td></td>
</tr>
<tr>
<td>DTIF</td>
<td></td>
</tr>
<tr>
<td>DTL</td>
<td></td>
</tr>
<tr>
<td>DTMF</td>
<td></td>
</tr>
<tr>
<td>DTP</td>
<td></td>
</tr>
<tr>
<td>DTR</td>
<td></td>
</tr>
<tr>
<td>DTSS</td>
<td></td>
</tr>
<tr>
<td>DTU</td>
<td></td>
</tr>
<tr>
<td>DTh</td>
<td></td>
</tr>
<tr>
<td>DU</td>
<td></td>
</tr>
<tr>
<td>DUA</td>
<td></td>
</tr>
<tr>
<td>DUATS</td>
<td></td>
</tr>
<tr>
<td>DUI</td>
<td></td>
</tr>
<tr>
<td>DUKW</td>
<td></td>
</tr>
<tr>
<td>DUT</td>
<td></td>
</tr>
<tr>
<td>DUV</td>
<td></td>
</tr>
<tr>
<td>DV</td>
<td></td>
</tr>
<tr>
<td>DVC</td>
<td></td>
</tr>
<tr>
<td>DVM</td>
<td></td>
</tr>
<tr>
<td>DVMA</td>
<td></td>
</tr>
<tr>
<td>DVMA</td>
<td></td>
</tr>
<tr>
<td>DVMRP</td>
<td></td>
</tr>
<tr>
<td>DVMS</td>
<td></td>
</tr>
<tr>
<td>DVOP radar</td>
<td></td>
</tr>
<tr>
<td>DVS</td>
<td></td>
</tr>
<tr>
<td>DVX</td>
<td></td>
</tr>
<tr>
<td>DW</td>
<td></td>
</tr>
<tr>
<td>DWAPS</td>
<td></td>
</tr>
<tr>
<td>DWB</td>
<td></td>
</tr>
<tr>
<td>DWI</td>
<td></td>
</tr>
<tr>
<td>DWIM</td>
<td></td>
</tr>
<tr>
<td>DX</td>
<td></td>
</tr>
<tr>
<td>DXT</td>
<td></td>
</tr>
<tr>
<td>DZ</td>
<td></td>
</tr>
<tr>
<td>Da Gama</td>
<td></td>
</tr>
<tr>
<td>Da Nang</td>
<td></td>
</tr>
<tr>
<td>Da Weibring</td>
<td></td>
</tr>
</tbody>
</table>
DaMassa
Dabbs
Daberath
Dabih
Dabitis
Dahney
Dabney
Dabneys
Dabolt
Dacca
Dacca banana
Dace
Dacelo
Daceloninae
Dacey
Dachau
Dache
Dachi
Dachia
Dachstein limestone
Dachy
Dacia
Dacian
Dacie
Dacko
Dacoma
Dacono
Dacron
Dacrydium
Dactyi
Dactyl
Dactyli
Dactylis
Dactylopius
Dactylopteridae
Dactylopterus
Dactyls
Dacula
Dacus
Dacy
Dada
Dadaism
Dadaist
Dadaistic
Dadayag
Daddah
Daddy Warbucks
Dade
Dadeville
Dadoxylon
Dadra and Nagar Haveli
Dadu
Dadupanthi
Daedal
Daedala
Daedalea
Daedalean
Daedalian
Daedalic
Daedalid
Daedalidae
Daedalion
Daedalist
Daedalus
Daegal
Dael
Daemonelix
Daffi
Daffie
Daffodil
Daffy
Daffa
Dafna
Dafodil
Dafter
Dag
Dag Hammarskjold
Dagall
Dagan
Dagbamba
Dagbane
Dagda
Dagenham
Dagestan
Dagher ale
Dagger ale
Daggett
Daggna
Daghda
Daghhestan
Dagley
Dagmar
Dagna
Dagnah
Dagney
Dagny
Dago
Dago red
Dagobert I
Dagoberto
Dagomba
Dagon
Dagsboro
Daguerre
Daguerrean
Dagupan
Dagusmines
Dagwood
Dagwood sandwich
Dahinda
Dahl
Dahle
Dahlgren
Dahlgren gun
Dahlia
Dahlonega
Dahlstrom
Dahna
Dahoman
Dahomey
Dahomeyan
Dahurian larch
Dai Viet
Dai nichī
Daibutsu
Daigle
Daigneault
Daijo
Dail
Dail eireann
Dailamite
Daile
Dailey
Daimler
Daimlerfield
Daiquiri
Daira
Dairen
Dairy shorthorn
Dairylea
Daisetsu Mountain
Daisetta
Daisey
Daisi
Daisie
Daisy
Damar
Damara
Damaraland
Damaris
Damariscotta
Damarra
Damas
Damascene
Damascened
Damascening
Damascus
Damascus steel
Damascus ware
Damastes
Damasus I
Damasus II
Damayanti
Dambro
Dame
Dame Fortune
Dame Nature
Damek
Dameron
Dangalnunna
Damia
Damian
Damiani
Damianist
Damiano
Danick
Damicke
Damien
Damietta
Damita
Damkina
Damle
Dammara
Damnation of Faust, The
Damnii
Damnonii
Damoclean
Damocles
Damodar
Damoetas
Damon
Damon and Pythias
Damour
Dampier
Damrosch
Danysus
Dan
Dan Daoust
Dan Finnane
Dan Majerle
Dan Marois
Dan Plesac
Dan Schayes
Dan tucker
Dana
Dana Murzyn
Danaan
Danae
Danagla
Danaher
Danai
Danaid
Danaidae
Danaidean
Danaides
Danaiids
Danainae
Danais
Danakil
Danang
Danas
Danaus
Danava
Danboro
Danbury
Danby
Danciger
Dancing chancellor
Danczyk
Dandie
Dandie Dinmont
Dandie Dinmont terrier
Dandie dinmont terrier
Dandy
Dane
Daneball
Daneen
Daneflower
Danegeld
Danegelt
Danelage
Danelagh
Danelaw
Danell
Danella
Danelle
Danene
Danese
Danete
Danette
Danevang
Daneweed
Danewort
Daney
Danford
Danforth
Danforth anchor
Dang
Dani
Dania
Daniala
Danialah
Danian
Danic
Danica
Danice
Danie
Daniel
Daniel Berthiaume
Daniel Bolich
Daniel Inouye
Daniel Poudrier
Daniel de Luce
Daniela
Daniele
Danielic
Daniell
Daniell cell
Daniella
Danielle
Danielle Ammaccapane
Danielle Darrieux
Daniels
Danielson
Danielsville
Danieu
Daniglacial
Danika
Danila
Danilo
Danilova
Danish
Danish Virgin Islands
Danish West Indies
Danish balance
Danish blue
Danish loaf
Danish pastry
Danism
Danit
Danita
Danite
Daniyal
Danization
Danize
Dankali
Danl
Danmark
Dann
Danna
Dannebrog
Dannel
Dannemora
Danni
Dannica
Dannie
Dannon
Danny
Danny Ainge
Danny Vranes
Dannye
Dano-Norwegian
Dano eskimo
Dano norwegian
Dansk Schweizerost
Dansville
Dante
Dante Caputo
Dante Fascell
Dante chair
Dantean
Dantesca chair
Dantesque
Danthonia
Dantist
Dantology
Dantomania
Danton
Dantonesque
Dantonist
Dantophilist
Dantophily
Danu
Danube
Danube rudder
Danubian
Danuloff
Danuri
Danuta
Danvers
Danville
Danya
Danyelle
Danyette
Danyluk
Danzig
Danzig brandy
Danziger
Danziger Goldwasser
Dao
Dapedium
Dapedius
Daph
Daphene
Daphie
Daphna
Daphnaceae
Daphnaea
Daphne
Daphne du Maurier
Daphnean
Daphnephoria
Daphnia
Daphnis
Daphnis and Chloe
Dapsang
Dar
Dar Es Salaam
Dar es Salaam
Dar-es-Salaam
Dara
Darach
Darapti
Darb
Darbee
Darbie
Darby
Darby and Joan
Darby and Joan settee
Darbyism
Darbyite
Darce
Darcee
Darcey
Darci
Darcia
Darcie
Darcy
Darcy Wakaluk
Dard
Darda
Dardan
Dardanelle
Dardanelles
Dardani
Dardanian
Dardanus
Darden
Dardic
Dardistan
Dare
Dareece
Dareen
Darees
Darell
Darelle
Daren
Daren Puppa
Dares
Dares Phrygius
Darfur
Darghin
Dargo
Dari
Daria
Darian
Darice
Darien
Darii
Darill
Darin
Dario
Darius
Darius I
Darius II
Darius III
Darjeeling
Darjeeling tea
Dark Ages
Dark Continent
Dark Continent, The
Dark is Light Enough, The
Darken
Darkest Africa
Darkness at Noon
Darla
Darlan
Darleen
Darlene
Darline
Darling
Darling Downs
Darling Range
Darling River
Darling lily
Darling pea
Darling plum
Darlington
Darlingtonia
Darleen
Darmit
Darmstadt
Darn
Darnall
Darnell
Darney
Damley
Daron
Darrooge
Darra
Darragh
Darrel
Darrell
Darrelle
Darren
Darren Daye
Darren Veitch
Darrey
Darrick
Darrill
Darrin
Darrin Cahill
Darrington
Darrouzett
Darrow
Darry
Darryl
Darryn
Darsey
Darsham fern
Darsie
Darsonval
Darsonvalism
Dart
Dartagnan
Dartford
Dartmoor
Dartmouth
Dartmouth college case
Darton
Darvon
Darvon Compound
Darwen
Darwin
Darwin tulip
Darwin's finches
Darwinian
Darwinian theory
Darwinical
Darwinically
Darwinism
Darwinist
Darwinistic
Darwine
e
Darwinize
Darya
Daryl
Daryle
Daryn
Das Kapital
Das Schloss
Dasahara
Dasahra
dasara
Daschagga
Dascylus
Dasehra
Dash
Dasha
Dashahara
Dashnak
Dashnakist
Dashnaktzutiun
Dasht-i-Kavir
Dasht-i-Lut
Dasi
Dasie
Dasiphora
Dassel
Dassin
Dasteel
Dasya
Dasyatidae
Dasyatis
Dasycladaceae
Dasyliion
Dasypeltis
Dasypodidae
Dasyrocta
Dasyproctidae
Dasypus
Dasystephana
Dasyuridae
Dasyurus
Dasyus
Datha
Datil
Datisca
Datiscaceae
Datisi
Datism
Datnow
Datsun
Datto
Datuk
Datura
Daub
Daubentonia
Daubentoniidae
Daubigny
Daucus
Daudet
Daugava
Daugavpils
Daugherty
Daughter of heaven and earth
Daughtry
Daukas
Daulias
Daumier
Daun stage
Daune
Daunii
Dauphin
Dauphine
Daur
Dauri
Dav
Davallia
Davant
Davao
Dave
Dave Andreychuk
Dave Babych
Dave Concepcion
Dave Corzine
Dave Feitl
Dave Fenyves
Dave Poulin
Dave Richter
Dave Semenko
Dave Stieb
Dave Valle
Daveda
Daveen
Daven
Davena
Davenant
Davene
Davenport
Daveta
Davey
David
David Abshire
David Begelman
David Bonior
David Bonoir
David Croudip
David Doty
David Gerstein
David I
David Lange
David Obey
David Ruder
David and Jonathan
Davida
Davidde
Davide
Davidian
Davidic
Davidical
Davidist
Davidoff
Davidson
Davidsonville
Davidsville
Davie
Davies
Daviesia
Davilla
Davilman
Davin
Davina
Davine
Davis
Davis Cup
Davis Strait
Davis’ Birthday
Davis’s quadrant
Davisboro
Davisburg
Davison
Davisson
Davistion
Davisville
Davita
Davon
Davos
Davout
Davy
Davy Crockett
Davy Jones
Davy Jones’s locker
Davy lamp
Davys
Dawes
Dawes plan
Dawkins
Dawmont
Dawn
Dawn man
Dawna
Dawson
Dawson Creek
Dawson Springs
Dawsonia
Dawsoniaceae
Dawsonville
Dax
Day
Day of Atonement
Day of Christ
Day of Jesus Christ
Day of Judgment
Day of Yahweh
Day of the Lord
Day-Glo
Day-Lewis
Dayak
Dayakker
Dayaks
Dayan
Daye
Dayhoit
Daykin
Dayle
Dayna
Days and Nights
Daysie
Dayton
Daytona
Daytona Beach
Dayville
Daz de Bivar
Daza
Dazey
Dbh
Ddene
Ddenise
De
De Civitate Dei
De Consolatione Philosophiae
De Forest
De Graffenried
De Hostos' Birthday
De Imitatione Christi
De La Warr
De Lattre de Tassigny
De Mille
De Morgan's Laws
De Quincey
De Ruyter
De Soto
De Stijl
De Vries
De Vries theory
De Witt
De gaullism
De gaullist
De la Mare
De vinne
De-americanization
De-americanize
De-anglicization
De-anglicize
De-calvinize
De-celticize
De-germanize
De-hellenize
De-italianize
De-jansenize
De-judaize
De-nazify
De-protestantize
DeBolt
DeFalco
DeForest
DeHoff
DeKalb
DeKoven
DeLacey
DeLayre
DeLong
DeMaio
DeMartini
DePew
DePree
DeRosa
DeSantis
DeSimone
DeWayne
Dea
Dea Dia
Dea Marica
Dea dia
Dea tacita
Deach
Deacon
Dead Heart
Dead Sea
Dead Sea Scrolls
Dead Sea fruit
Dead Souls
Dead borneo
Dead sea apple
Dead sea fruit
Deadman
Deadwood
Deakin
Deale
Dean
Dean of Faculty
Deana
Deane
Deaner
Deanna
Deanne
Deansboro
Deanville
Dear John
Dear John letter
Dearborn
Dearden
Dearing
Dearman
Dearmanville
Darr
Deary
Death
Death Be Not Proud
Death Comes for the Archbishop
Death Valley
Death in Venice
Death knocks at the door
Death of General Wolfe, The
Death of Ivan Ilyich, The
Death of a Salesman
Death stares you in the face
Deatsville
Deauville
Deaver
Deb
Deb Richard
Debarath
Debary
Debbie
Debbee
Debbi
Debbie
Decherd
Dechlog
Decian
Deciduata
Decima
Decimus
Decius
Decize
Deck
Decker
Deckert
Deckerville
Declan
Declaration of Independence
Declaration of Indulgence
Declaration of Right
Declaration of the Rights of Man
Declo
Declomycin
Decodon
Decorah
Decorated
Decorated style
Decoration Day
Decoration day
Decretals
Decretum gratiani
Decuma
Decumaria
Dedagach
Dedan
Dedanim
Dedanite
Dede
Dede Agach
Dedekind
Dedekind cut
Deden
Dedham
Dedication festival
Dedie
Dedra
Dedric
Dedrick
Dee
Dee Dee
DeeAnn
Deeann
Delphin
Delphina
Delphinapterus
Delphine
Delphini
Delphinia
Delphinid
Delphinidae
Delphinium
Delphinius
Delphinoidea
Delphinus
Delphos
Delphus
Delphyne
Delray
Delrey
Delrio
Delsarte
Delsarte method
Delsarte system
Delsartean
Delsartian
Delsman
Delta
Deltaville
Delton
Deluc
Deluge
Delvalle
Delwin
Delwyn
Dem
Dema
Demaggio
Demakis
Demarest
Demaria
Dematiaceae
Demavend
Demb
Dembowski
Demchok
Demerara
Demerol
Demeter
Demetra
Demetre
Demetri
Demetria
Demetrian
Demetrias
Demetrios
Demetris
Demetrius
Demetrius I
Demeyer
Demi-atlas
Demi-christian
Demi-mohammedan
Demi-moor
Demi-norman
Demi-pelagian
Deming
Demiourgos
Demiphon
Demirel
Demitria
Demiurge
Demjanjuk
Demmer
Demmy
Demo
Democoon
Democracy in America
Democrat
Democratic Party
Democratic-Republican Party
Democratic-republican
Democritus
Democritus Junior
Demodena
Demodex
Demodicidae
Demodocus
Demogorgon
Demon
Demon, the
Demona
Demonassa
Demonax
Demophon
Demophoon
Demopolis
Demorest
Demos
Demospongiae
Demossville
Demosthenean
Demosthenes
Demosthenian
Demosthenic
Demotic
Demotika
Demott
Demotte
Demp
Dempsey
Dempster
Dempstor
Demus
Demuth
Demy
Den
Den Bosch
Den Haag
Den Helder
Dena
Denae
Denair
Denatura deorum
Denbigh
Denbighshire
Denbo
Denbrook
Denby
Dendraspis
Dendrites
Dendrium
Dendrobates
Dendrobatinae
Dendrobium
Dendrocalamus
Dendroceratina
Dendrochirota
Dendrocoela
Dendrocolaptidae
Dendroctonus
Dendrocygna
Dendrodus
Dendroeca
Dendrogaea
Dendrogaean
Dendrohyrax
Dendroica
Dendroidea
Dendrolagus
Dendroleone
Dendromecon
Dendron
Dendropogon
Dene
Deneb
Deneb algedi
Deneb kaitos
Denebola
Deng Xiaoping
Denham
Denham Springs
Denhoff
Deni
Denice
Denie
Deniker
Denio
Denis
Denis Potvin
Denis Savard
Denise
Denison
Denizlik
Denman
Denmark
Denmark Strait
Denn
Denna
Dennard
Dennet
Dennett
Denney
Denni
Dennie
Denning
Dennis
Dennis Deconcini
Dennis Maruk
Dennison
Dennisport
Denniston
Dennisville
Dennstaedtia
Denny
Dennysville
Denoting
Denpasar
Densmore
Dent
Dentiliidae
Dentalium
Dentaria
Denten
Denticeti
Dentirostres
Denton
Denver
Denver boot
Denville
Deny
Denys
Denyse
Denzil
Deo Optimo Maximo
Deo favente
Deo gratias
Deo juvante
Deo volente
Deonne
Department of Agriculture
Department of Commerce
Department of Defense
Department of Energy
Department of Health
Department of Justice
Department of Labor
Department of State
Department of Transportation
Department of the Interior
Department of the Treasury
Depauville
Depauw
Depere
Depew
Depeyster
Depoliti
Deposition
Depoy
Deppy
Depression
Depression Era
Deprez
Deptford
Depue
Depuy
Dequeen
Der
Der Blaue Reiter
Der Prozess
Der Richter und sein Henker
Der Spiegel
Der Zauberberg
Der'a
Deragon
Derain
Deraye
Derbend
Derbent
Derbies
Derby
Derbyline
Derbyshire
Derbyshire chair
Dercy
Derek
Derian
Derick
Derina
Deringa
Derinna
Deripia
Derk
Derleth
Derma
Dermacentor
Derman
Dermaptera
Dermatobia
Dermatocoptes
Dermatophagus
Dermatoptera
Dermestes
Dermestidae
Dermobranchia
Dermochelys
Dermoptera
Dermorhynchi
Dermot
Dermott
Derna
Deutscher
Deutsches Reich
Deutschland
Deutschland Uber Alles
Deutschmark
Deutzia
Deux-S
Dev
Deva
Devaki
Devan
Devanagari
Devaney
Devault
Deventer
Dever
Devereux
Devers
Devi
Devil
Devil and Daniel Webster, The
Devil's Disciple, The
Devil's Island
Devil, the
Deville
Devils Lake
Devin
Devina
Devine
Devinna
Devinne
Devitt
Devland
Devlen
Devlin
Devol
Devon
Devona
Devondra
Devonian
Devonic
Devonna
Devonne
Devonport
Devonshire
Devonshire cream
Devonshire split
Devora
Devy
Dew
Dewain
Dewali
Dewar
Dewar flask
Dewar vessel
Dewart
Dewayne
Dewayne Buice
Dewees
Dewees
Dewey
Dewey decimal system
Deweyan
Deweyville
Dewhirst
Dewhurst
Dewi
Dewie
Dewitt
Dewittville
Dewsbury
Dewyrose
Dex
Dexamenes
Dexamyl
Dexamyl pill
Dexedrine
Dexedrine pill
Dexter
Dextra
Dey
Deyoung
Dezaley
Dezful
Dezhnev
Dhabi
Dhahran
Dhaka
Dhammapada
Dhanis
Dhanvantari
Dhar
Dharma
Dharmapada
Dharmasastra
Dharmasutra
Dharti Mai
Dhaulagiri
Dhekelia
Dheneb
Dhiman
Dhiren
Dhos
Dhodheknisos
Dhritarashtra
Dhruv
Dhu
Dhumma
Dhundia
Di
DiBiasi
DiBlasi
DiCenzo
DiGenova
DiGiangi
DiMaggio
DiMaria
Dia
Diabelli
Diablo
Diabrotica
Diacromyodyi
Diadelpheia
Diadema
Diademataida
Diadochi
Diadochian
Diaghilev
Diaguitas
Diguide
Diahan
Dial
Dialister
Dialogue Mass
Dialonian
Dialypetalae
Diamant
Diamanta
Diamante
Diamine scarlet
Diamine scarlet b
Diamine violet
Diamine violet n
Diamond
Diamond Head
Diamond Jim Brady
Diamond State
Diamondsville
Diamox
Dian
Diana
Diana complex
Diancecht
Diandra
Diandre
Diandria
Diane
Diane-Marie
Dianemarie
Dianil
Diann
Dianna
Dianne
Dianne Feinstein
Diannne
Diantha
Dianthaceae
Dianthe
Dianthera
Dianthus
Diao
Diapason
Diapensia
Diapensiaceae
Diaporthe
Diapsida
Diarbekr
Diarmid
Diarmit
Diarmuid
Diary of Samuel Pepys, The
Dias
Diascia
Diasia
Diaspidinae
Diaspinae
Diaspora
Diatoma
Diatomaceae
Diatomales
Diatomeae
Diatryma
Diatrymiformes
Diatypa
Diau
Diaz
Dib
Diba
Dibai
Dibatis
Dibb
Dibbell
Dibbrun
Dibelius
Diboll
Dibothriocephalus
Dibranchia
Dibranchiata
Dibri
Dibrin
Dibru
Dicactidae
Dice
Dicentra
Diceras
Diceratidae
Dich
Dichapetalaceae
Dichapetalum
Dichelyma
Dichondra
Dichondraceae
Dichotisandra
Dichter
Dichterliebe
Dichy
Dick
Dick Cheney
Dick Rutan
Dick Tracewski
Dick Turpin
Dick Versace
Dick d'Oliva
Dick test
Dickens
Dickensian
Dickensiana
Dickenson
Dickerson
Didachographer
Didelphia
Didelphidae
Didelphis
Didelphidae
Diderot
Didi
Dididae
Didier
Didinium
Didlove
Dido
Dido and Aeneas
Dido's problem
Didot point system
Didrikson
Didunculidae
Didunculinae
Didunculus
Didus
Didymaea
Didynamia
Die
Die Brucke
Die Dreigroschenoper
Die Verwandlung
Dieball
Diebold
Diefenbaker
Dieffenbachia
Diego
Diego Martinez Barrio
Diego Suarez
Diegueno
Diehl
Dieho Asencio
Diella
Dielle
Diels
Diels-Alder reaction
Dielu
Dielytra
Dien Bien Phu
Dien Byen Phu
Diena
Dienbienphu
Dieppe
Dieppe lace
Dierdre
Dieri
Dierks
Dierolf
Diervilla
Dies
Dies Irae
Diesel
Diet
Dieter
Dieterich
Dietrich
Dietsche
Dietz
Dieu
Dieu avec nous
Dieu et mon droit
Dieu vous garde
Dieyerie
Difda
Difflugia
Digambara
Digby
Digenea
Digenetica
Digest
Digger
Digger Indian
Digger indian
Diggers
Diggins
Diggs
Dighton
Digiorgio
Digitaria
Digitigrada
Digo-Suarez
Digor
Digynia
Diipolia
Dijon
Dike
Dikelocephalus
Dikmen
Dilan
Dilantin
Dilaudid
Dilemi
Dilemite
Diley
Dili
Diligenti Quints
Dilisio
Dilks
Dill
Dillard
Dille
Dillenia
Dilleniaceae
Diller
Diley
Dillie
Dilliner
Dillinger
Dillingham
Dillon
Dillonvale
Dillsboro
Dillsburg
Dilltown
Dillwyn
Dilly
Dilolo
Dilthey
Dilworth
Dimaris
Dimashq
Dimatis
Dimebox
Dimera
Dimeter Ganev
Dimitri
Dimitri Djordjadze
Dimitri Goryunov
Dimitris
Dimitrov
Dimitrovo
Dimitry
Dimititis
Dimmick
Dimmick
Dimna
Dimock
Dimond
Dimondale
Dimorphotheca
Dimphia
Dimyaria
Din
Dina
Dinah
Dinan
Dinantian
Dinar
Dinaric
Dinaric Alps
Dinarzade
Dincolo
Dindymene
Dindymus
Dine
Dinerman
Dinesen
Dinesh
Ding an sich
Ding-Dong
Dingaan
Dingbelle
Dingell
Dingelstadt
Dingess
Dingle
Dingman
Dingus
Dingwall
Dinh Ba Thi
Dinichthys
Dinin
Dinka
Dinkas
Dinkum
Dinnage
Dinnie
Dinny
Dino
Dino Ciccarelli
Dino Radja
Dinobryon
Dinoceras
Dinocerata
Dinoceratidae
Dinoflagellata
Dinoflagellatae
Dinoflagellida
Dinomys
Dinophilea
Dinophilus
Dinophyceae
Dinornis
Dinornithes
Dinornithidae
Dinornithiformes
Dinosauria
Dinotheres
Dinotheriidae
Dinotherium
Dinsdale
Dinse
Dinsmore
Dinuba
Dinwiddie
Dio Cassius
Diocletian
Diocletian window
Dioctophyme
Diodia
Diodon
Diodontidae
Diodorus Siculus
Diocia
Diogenean
Diogenes
Diogenic
Diomede
Diomede Islands
Diomedea
Diomedidae
Diomedes
Diomedes and Sthenelus
Dion
Dionaea
Dionaeaceae
Dione
Dionis
Dionisio
Dionne
Dionysia
Dionysiac
Dionysiaca
Dionysiaca
Dionysian
Dionysius
Dionysius Exiguus
Dionysius of Alexandria
Dionysius of Alexandria Saint
Dionysius of Halicarnassus
Dionysius the Areopagite
Dionysos
Dionysus
Dioon
Diophantine
Diophantine equation
Diophantus
Diopsidae
Diopsis
Dioptidae
Dior
Diores
Dioscorea
Dioscoreaceae
Dioscuri
Dioscurian
Diosdado
Diosma
Diospyraceae
Diospyros
Diotocardia
Dip Ed
Dipala
Diphes
Diphylla
Diphylleia
Diphyllobothrium
Diphysite
Diphysitism
Diplacanthidae
Diplacanthus
Dipladenia
Diplocarpon
Diplodia
Diplodocus
Diplodus
Diploglossata
Diplomatic Service
Diplopoda
Diploptera
Diplopteryga
Diplospondyli
Diplotaxis
Diplozoon
Disciflorae
Discina
Disciple of Christ
Disciples of Christ
Discoglossidae
Discoidea
Discoideae
Discomedusae
Discomycetes
Disconantheae
Disconectae
Discophora
Discoplacentalia
Discordia
Discourse on Method
Discoverer
Discovery Bay
Discovery Day
Discovery Inlet
Discus Thrower, The
Disharoon
Dishley
Dishley merino
Disini
Diskin
Disko
Diskson
Dismal Swamp
Dismissal
Disney
Disneyesque
Disneyland
Dispersion
Disporum
Disputanta
Disraeli
Dissenter
Distichlis
Distinguished Conduct Medal
Distinguished Flying Cross
Distinguished Service Cross
Distinguished Service Medal
Distinguished Service Order
Distinguished Unit Citation
Distoma
Distomatidae
Distomidae
Distomum
District Heights
District of Columbia
Distrito Federal
Dita
Dithyrambos
Dithyrambus
Ditmars
Ditmore
Ditremidae
Ditrocha
Ditter
Dittersdorf
Dittman
Dittmer
Ditto
Ditto copy
Dituri
Ditzel
Diu
Diuril
Diurna
Diushambe
Div
Divali
Diver
Divernon
Dives
Divina Commedia
Divine
Divine Comedy
Divine Liturgy
Divine Mind
Divine Mother
Divine Science Church
Divini Redemptoris
Divinity hall
Division
Divisionism
Divisionist
Divvers
Diwali
Dix
Dixfield
Dixiana
Dixie
Dixie Cup
Dixie land
Dixiecrat
Dixiecrat party
Dixiecratic
Dixieland
Dixielander
Dixil
Dixmont
Dixmoor
Dixon
Dixonville
Diyarbakir
Diyarbekir
Dizney
Djagatay
Djailolo
Djaja
Djajapura
Djakarta
Djambi
Djebel Kafzeh man
Djeloula
Djemas
Djerba
Djibouti
Djilas
Djokjakarta
Djuka
Dle
Dli
Dlo
Dm
Dmitrevsk
Dmitri
Dmitri Donskoy
Dmitriev
Dmitrov
Dmitrovka
Dnaburg
Dnepr
Dneprodzerzhinsk
Dnepropetrovsk
Dnestr
Dnieper
Dnieper River
Dniester
Dniren
Dnitz
Doak
Doane
Doctor of Letters
Doctor of Medicine
Doctor of Music
Doctor of Philosophy
Doctor of Sacred Theology
Doctor of Science
Doctor of Theology
Doctor of the Church
Doctor's Dilemma, The
Doctors' Commons
Dodd
Dodds
Doddsville
Dode
Dodecanese
Dodecanesian
Dodecatheon
Dodge
Dodge City
Dodgem
Dodgeville
Dodgson
Dodi
Dodie
Dodoma
Dodona
Dodonaea
Dodonaceae
Dodonan
Dodonan
Dodson
Dodsworth
Dodwell
Dody
Doe
Doedicurus
Doeg
Doehne
Doelling
Doenitz
Doerrer
Doersten
Doerun
Dog Star
Dog star
Dogberry
Dogberrydom
Dolley
Dollfuss
Dolli
Dollie
Dollinger
Dolliver
Dolloff
Dollond
Dolly
Dolly Varden
Dolly Varden pattern
Dolly Varden trout
Dolmetsch
Dolomedes
Dolomite Alps
Dolomites
Dolon
Dolophine
Dolora
Dolores
Dolores Ibarurri
Dolorita
Doloritas
Dolph
Dolphin
Dolphus
Dolton
Dom
Domaci Beli Sir
Domagk
Domash
Dombeya
Dombrowski
Domdaniel
Domel
Domela
Domella
Domenech
Domenic
Domenick
Domenico
Domenico Veneziano
Domeniga
Domenikos
Domesday
Domesday Book
Domestic Council
Domett
Domicella
Domina
Domineca
Dominga
Domingo
Domini
Dominic
Dominica
Dominican
Dominican Republic
Dominick
Dominik
Dominikus
Dominion Day
Dominion day
Dominique
Domino
Dominus
Dominus vobiscum
Dominy
Domitian
Domnus
Domonic
Domph
Domremy
Domremy-la-Pucelle
Domrmy-la-Pucelle
Don
Don Aase
Don Beaupre
Don Bies
Don Fehr
Don Fuqua
Don Giovanni
Don Ida
Don Juan
Don Juan de Bourbon
Don Juanism
Don Majerle
Don Quixote
Don juan
Don juanism
Dona
Dona Marilyn
Donaana
Donacidae
Donadee
Donaghue
Donahoe
Donahue
Donal
Donald
Donald Ephlin
Donald Gomes
Donald Grenesko
Donald Hodel
Donalda
Donalds
Donaldson
Donaldsonville
Donall
Donals
Donaldonville
Donalt
Donar
Donata
Donatelli
Donatello
Donati
Donatiaceae
Donation of Constantine
Donatism
Donatist
Donatistic
Donatistical
Donato
Donatus
Donau
Donalgh
Donavon
Donbass
Doncaster
Doni
Dondia
Doneck
Donegal
Donegal tweed
Donegan
Donela
Donell
Donella
Donelle
Donelson
Donelu
Doner
Donet
Donets
Donets Basin
donetsk
donetta
don
don xoai
dongola
dongola kid
dongola leather
dongola process
dongola race
dongoles
donia
donica
donie
doniele
doniphan
donizetti
donmeh
donn
donna
donnamarie
donne
donnell
donnellson
donnelly
donnelsville
donnenfeld
donner
donni
donnie
donny
donny Lalone
donnybrook fair
donnybrook fair
donoghue
donoh
donohue
donora
donough
donovan
donus
donod
donodia
dool
dooley
doole
doold
doollittle
doomsday
doomsday book
doon
Dorene
Doretta
Dorette
Dorey
Dorfman
Dori
Doria
Dorian
Dorian mode
Dorian tetrachord
Doric
Dorical
Dorice
Doricism
Doricize
Doriden
Dorididae
Dorie
Dorin
Dorina
Dorinda
Dorine
Dorion
Doris
Dorisa
Dorise
Dorism
Dorison
Dorita
Doritis
Dorize
Dorkas
Dorking
Dorkus
Dorlisa
Dorloo
Dorman
Dormobile
Dorn
Dombirn
Domsife
Doro
Dorobo
Dorobos
Dorolice
Dorolisa
Doronicum
Dorosoma
Dorotea
Doroteya
Dorothea
Dorothea Puente
Dorothee
Dorothi
Dorthy
Dorpat
Dorr
Dorr's Rebellion
Dorrnan
Dorrance
Dorree
Dorren
Dorri
Dorrie
Dorris
Dorry
Dorset
Dorset Down
Dorset Horn
Dorset Vinney
Dorset horn
Dorset horned sheep
Dorsetshire
Dorsey
Dorsibranchiata
Dorsman
Dorsobranchiata
Dorstenia
Dorsy
Dort
Dorthea
Dorthy
Dorticos
Dortmund
Dorton
Dorus
Dorweiler
Dorwin
Dory
Doryanthes
Dorylinae
Dos Passos
Doscher
Dosh
Dosi
Dosia
Dosinia
Dositheans
Dospalos
Doss
Dostoevski
Dostoevsky
Dostoievski
Dostoyevski
Dostoyevsky
Doswell
Dot
Dothan
Dothideacea
Dothideales
Dothidella
Dothiorella
Doti
Doto
Dotonidae
Dotson
Dott
Dotti
Dottie
Dottie Mochrie
Dottore
Dotty
Doty
Dou
Douai
Douala
Douay
Douay Bible
Douay Version
Douay-Rheims Bible
Double Ten
Double, The
Double-Crostic
Double-u
Doubleday
Doubler
Doubs
Doucette
Douds
Doug
Doug Gjertsen
Dougald
Dougall
Dougherty
Doughman
Doughton
Doughty
Dougie
Douglas
Douglas fir
Douglas pine
Douglas scale
Douglas spruce
Douglas-Home
Douglass
Douglassville
Douglasville
Doug
Dougy
Doukhobor
Doukhobors
Doukhobortsy
Doumergue
Douro
Douschka
Dousman
Douty
Douville
Douw
Dov
Dov Bela Gruner
Dove
Dove prism
Dover
Dover Beach
Dover's powder
Dovev
Dovray
Dovyalis
Dovzhenko
Dow
Dow theory
Dow-Jones Industrial Average
Dow-Jones average
Dow-Jones index
Dowagiac
Dowd
Dowdell
Dowden
Dowding
Dowell
Dowelltown
Drosophilidae
Drosophyllum
Dru
Druce
Druci
Drucie
Drucill
Drucilla
Drucy
Drud
Drue
Druella
Drug
Drugge
Drugi
Druid
Druidess
Druidism
Drukpa
Drummond
Drummond light
Drummonds
Drumore
Drumright
Drums
Drunken Boat, The
Drupa
Drupaceae
Drury
Drury Lane
Drus
Druse
Drusean
Drusedom
Drusi
Drusian
Drusie
Drusilla
Drusus
Drusy
Druze
Dry
Dry Ice
Dry Mass
Dry Salvages, The
Dry Tortugas
Dry ice
Dryas
Dryden
Drydenian
Drydenic
Drydenism
Drye
Dryfoos
Drygalski
Drynaria
Dryobalanops
Dryope
Dryopes
Dryophyllum
Dryopians
Dryopithecinae
Dryopithecus
Dryops
Dryopteris
Dryprong
Drysdale
Ds
Dschubba
Dseldorf
Du
Du Barry
Du Gard
Du Guesclin
Du Maurier
Du Pont
Du Quoin
Du-barry
DuBois
DuBose
DuPont
Dual Alliance
Dual Monarchy
Duala
Dualmutef
Duane
Duancesburg
Duarte
Duax
Dubach
Dubai
Dubberly
Dubbo
Dubcek
Dubenko
Dubhe
Dubhgall
Dubinsky
Dublin
Dublin Bay prawn
Dubliners
Dubna
Dubois
Duboisia
Dubonnet
Dubonnet cocktail
Dubre
Dubrovnik
Dubuffet
Dubuque
Duc
Duc Co
Ducal
Ducan
Ducasse
Duccio di Buoninsegna
Duce
Duchamp
Duchesne
Duchesnea
Duchess
Duchess of Malfi, The
Duck
Ducktown
Duckwater
Duclos
Duco
Ducommun
Ducor
Ducula
Duculinae
Dud
Dudden
Dudelsack
Dudevant
Dudley
Dudleya
Duel, The
Duena
Duenweg
Duer
Duero
Duessa
Duester
Duewest
Dufay
Duff
Duffau
Duffie
Duffield
Duffy
Duffy jonah
Dufur
Dufy
Dugaid
Dugald
Dugan
Dugas
Duggan
Dugger
Dugongidae
Dugspar
Dugway
Duhamel
Duhamel's principle
Duhamel's theorem
Duhl
Duhr
Duineser Elegien
Duno Elegies
Duisburg
Duit
Duk-duk
Dukakis
Dukas
Duke
Duke of Auerstadt
Dukey
Dukhobor
Dukhobors
Dukhobortsy
Dukie
Duky
Dulac
Dulaney
Dulanganes
Dulat
Dulce
Dulcea
Dulci
Dulcia
Dulciana
Dunbar
Dunbarton
Dunc
Duncan
Duncan I
Duncan Phyfe
Duncannon
Duncansville
Duncanville
Dunciad
Dunciad, The
Duncombe
Dundalk
Dundas
Dundee
Dundee cake
Dunedin
Dunellen
Dunfermline
Dungan
Dungannon
Dungeness
Dungeness crab
Dunham
Dunkard
Dunker
Dunkerque
Dunkerton
Dunkin
Dunkirk
Dunkirker
Dunkirkue
Dunlap
Dunlavy
Dunleary
Dunlevy
Dunlo
Dunlop
Dunlow
Dunmor
Dunmore
Dunn
Dunn anchor
Dunne
Dunne
Dunne
Dunnell
Dunnellon
Durwyn
Duryea
Duryodhana
Durzada
Dusa
Duse
Dusehra
Dusen
Dusenberg
Dusenbury
Dushanbe
Dushehra
Dushore
Duson
Dussehra
Dusseldorf
Dusseldorf
Dusserah
Dussera
Dusserah
Dust
Dust Bowl
Dustan
Duster
Dustie
Dustin
Dustman
Duston
Dusty
Dusun
Dusza
Dutch
Dutch Belted
Dutch Borneo
Dutch East Indies
Dutch Guiana
Dutch Harbor
Dutch New Guinea
Dutch Reformed
Dutch Reformed Church
Dutch West Indies
Dutch auction
Dutch barn
Dutch bond
Dutch cap
Dutch chair
Dutch cheese
Dutch circle
Dutch clover
Dutch courage
Dutch cupboard
Dutch doll
Dutch door
Dutch elm
Dutch elm disease
Dutch foil
Dutch foot
Dutch gold
Dutch hoe
Dutch lap
Dutch leaf
Dutch lottery
Dutch metal
Dutch orange
Dutch oven
Dutch pink
Dutch rush
Dutch settle
Dutch stove
Dutch straight
Dutch treat
Dutch uncle
Dutch white
Dutch wife
Dutch-gabled
Dutch-process
Dutch-ware-blue
Dutcher
Dutchify
Dutchman
Dutchman's land
Dutchman's log
Dutchman's-breeches
Dutchman's-pipe
Dutchmen
Dutchtown
Dutchy
Duthie
Dutton
Dutzow
Duval
Duvalier
Duvall
Duveneck
Duvida
Duwalt
Duwe
Duxbury
Duyne
Dvina
Dvina Bay
Dvinsk
Dvorak
Dwain
Dwayne
Dwaine
Dwale
Dwamish
Dwan
Dwane
Dwayne
Dweck
Dwright
Dwight
Dwight Muhammad Qawi
Dwinnell
Dworak
Dworman
Dworshak
Dwyer
Dwyka
Dy
Dyak
Dyakish
Dyal
Dyan
Dyana
Dyane
Dyann
Dyanna
Dyanne
Dyas
Dyassic
Dyaus
Dyaus-pitar
Dyce
Dyche
Dycusburg
Dyer
Dyersburg
Dyersville
Dyess
Dyfed
Dygal
Dygall
Dygert
Dyke
Dyl
Dylan
Dylana
Dylane
Dymas
Dymaxion house
Dymoke
Dympha
Dymphia
Dyna
Dynah
Dynastes
Dynastides
Dynastinae
Dynel
Dyophysite
Dyophysitic
Dyophysitical
Dyophysitism
Dyathelete
Dyatheletian
Dyatheletic
Dyatheletical
Dyatheletism
Dyatherelism
Dyatherelite
Dyatherelitism
Dysart
Dyson
Dyssodia
Dytiscidae
Dytiscus
Dyula
Dyun
Dyushambe
Dzaudzhikau
Dzemal Bijedic
Dzerzhinsk
Dzhambul
Dzhugashvili
Dzoba
Dzongka
Dzugashvili
Dzungar
Dzungaria
Dzyubin
E
E & OE
E layer
E link
E region
E string
E's
E-boat
E-chinocystis
E-shaped
E911
EA
EAA
EACSO
EADAS
EADASNM
EADASS
EAE0
EAFB
EAK
EAM
EARN
EAROM
EAS
EASD
EASI
EAU
EBCDIC
EBI
EBS
EC
ECA
ECAD
ECAFE
ECAP
ECASS
ECC
ECCM
ECCS
ECD
ECDO
ECE
ECF
ECG
ECI
ECLA
ECLSS
ECM
ECMA
ECN
ECO
EFTA
EG
EGA
EGO
EGP
EGREP
EGRET
EGmc
EHF
EHFA
EHP
EI
EIA
EIB
EIN
EINE
EIS
EISA
EISB
EISS
EITS
EJASA
EKG
EKTS
EL
ELAS
ELC
ELDO
ELF
ELLE
ELM
ELO
ELP
ELT
ELV
EM
EMA
EMACS
EMAIL
EMC
EMF
EMI
EML
EMP
EMPERESS
EMR
EMS
EMT
ETV
EUC
EUNET
EUUG
EUV
EUVE
EV
EVA
EVX
EW
EWO
EWOS
EWS
EXPO
Ea
Eachelle
Eachern
Eada
Eade
Eadie
Eadith
Eadmund
Eadmund I
Eadmund II
Eads
Eadwina
Eadwine
Eagan
Eagar
Eagarville
Eagle
Eagle Grove
Eagle Lake
Eagle Pass
Eaglesmere
Eagleton Village
Eagletown
Eagleville
Eaineant
Eakins
Eakly
Eal
Ealasaid
Ealing
Eames chair
Eamon
Eamon de Valera
Eamonn Coghlan
Eanes
Eanore
Eardley
Earhart
Earl
Earl Cureton
Earl Marshal
Earl of Coventry
Earla
Earle
Earleen
Earlene
Earleton
Earleville
Earley
Earlham
Earlie
Earlimart
Earline
Earling
Earlington
Earlsboro
Earlton
Earlville
Early
Early American
Early Bird
Early Christian
Early English
Early Hebrew
Early Modern English
Early Renaissance
Earlsville
Earnings Related Supplement
Earp
Earth
Earth Mother
Earth insertion
Eartha
Earthshaker
Earvin
Easley
East
East Africa
East African Community
East Alton
East Anglia
East Anglian
East Aurora
East Bengal
East Berlin
East Brewton
East Cape
East Chicago
East Chicago Heights
East China Sea
East Cleveland
East Coast
East Coker
East Conemaugh
East Detroit
East End
East Flanders
East Gary
East German
East Germanic
East Germany
East Goth
East Grand Forks
East Ham
East Hartford
East Haven
East Hills
East India Company
East Indianan
East Indian
East Indian lotus
East Indian rose-bay
East Indian rug
East Indian walnut
East Indies
East Kilbride
East Lansdowne
East Lansing
East Liverpool
East Liverpudlian
East London
East Londoner
East Los Angeles
East Lothian
East McKeesport
East Meadow
East Moline
East Northport
East Orange
East Pakistan
East Palestine
East Paterson
East Pittsburgh
East Point
East Prairie
East Providence
East Prussia
East Prussian
East Punjab
East Punjabi
East Ridge
East Riding
East River
East Rochester
East Rutherford
East Side
East Stroudsburg
East Suffolk
East Sussex
East Syracuse
East Williston
East greenlander
East indiaman
East side
East-ender
East-insular
East-sider
Eastbourne
Easter
Easter Day
Easter Island
Easter Monday
Easter Saturday
Easter Sunday
Easter anemone
Easter bell
Easter bonnet
Easter candle
Easter daisy
Easter egg
Easter lily
Easter sepulcher
Easter sepulchre
Easter sunday
Easter-giant
Easter-ledges
Easterly
Eastern
Eastern Aden Protectorate
Eastern Christianity
Eastern Church
Eastern Empire
Eastern Ghats
Eastern Hemisphere
Eastern Hindi
Eastern Orthodox
Eastern Orthodox Christianity
Eastern Orthodox Church
Eastern Orthodoxy
Eastern Question
Eastern Rites
Eastern Roman Empire
Eastern Sea
Eastern Slavs
Eastern Standard Time
Eastern Thrace
Eastern Townships
Eastern Turkestan
Eastern rite
Eastern shore
Eastern time
Eastern-Rite Christian
Easterner
Easternism
Easternly
Eastertide
Eastlake
Eastland
Eastleigh
Eastman
Easton
Eastre
Eastside
Eastwood
Easy Street
Eatanswill
Eaton
Eatonton
Eatontown
Eatonsville
Eatton
Eau Claire
Eauclaire
Eaugalle
Eaves
Ecballium
Ecbatana
Ecca
Ecce Homo
Ecel
Eccles
Eccles cake
Ecclesiastm Suam
Ecclesiastes
Ecclesiastical Commissioners
Ecclesiasticus
Eclus
Ecevit
Echechles
Echegaray
Echeloot
Echemus
Echeneidae
Echeneididae
Echeneis
Echetus
Echeveria
Echeverria
Echidna
Echidnidae
Echikson
Echimys
Echinacea
Echinidea
Echinocactus
Echinocaris
Echinocereus
Echinocereis
Echinoderae
Echinodermata
Echinodorus
Echinoidea
Echinoidea
Echinoidea
Echinoidea
Echinospermum
Echinosphaerites
Echinosphaeritidae
Ectocarpaceae
Ectocarpales
Ectocarpus
Ectognatha
Ectoparasitica
Ectopistes
Ectoprocta
Ector
Ectotrophi
Ecua
Ecuador
Ecuadoran
Ecuadorian
Ed
Ed Creagh
Ed Hospodar
Ed Khayat
Ed Olczyk
Ed asich
EdB
EdD
EdM
EdS
Eda
Edam
Edam cheese
Edan
Edana
Edaphosauria
Edaphosaurus
Edbert
Edcouch
Edd
Edda
Eddaic
Eddana
Eddas
Eddi
Eddic
Eddie
Eddie Delahoussaye
Eddina
Eddington
Eddra
Eddy
Eddy kite
Eddystone
Eddystone Rocks
Eddyville
Ede
Edea
Edee
Edeline
Edelman
Edelson
Edelstein
Edelsten
Eden
Edenic
Edenization
Edenize
Edentata
Edenton
Edenville
Ederle
Edessa
Edessan
Edessene
Edestosaurus
Edette
Edgar
Edgar Atheling
Edgar Lee
Edgard
Edgardo
Edgarton
Edgartown
Edge
Edge act
Edgefield
Edgehill
Edgeley
Edgell
Edgemont
Edgemoor
Edgerton
Edgewater
Edgewood
Edgeworth
Edhessa
Edholm
Edi
Edict of Nantes
Edie
Edik
Edward Gignoux
Edward I
Edward II
Edward III
Edward IV
Edward Koch
Edward V
Edward VI
Edward VII
Edward VIII
Edward Vrdolyak
Edward the Confessor
Edwardean
Edwardeanism
Edwardian
Edwardianism
Edwardine
Edwards
Edwards Plateau
Edwardsburg
Edwardia
Edwardian
Edwardianism
Edwardsiidae
Edwardsport
Edwardsville
Edwin
Edwin Nunez
Edwina
Edwine
Edwyna
Edy
Edyie
Edyth
Edythe
Eek
Eerotema
Eetion
Eeyore
Efahan
Efaita
Efatese
Effie
Effingham
Effodientia
Effy
Effye
Efik
Efland
Eforia
Efram
Efrem
Efremov
Efren
Efron
Efthim
Eg
Egadi
Egan
Egarten
Egba
Egbert
Egbo
Egeber
Egede
Egegik
Egeland
Eger
Egeria
Egerton
Egesta
Eggett
Eggleston
Egham
Egide
Egide Bochely-Davidson
Egidio
Egidius
Egin
Egk
Eglamore
Eglanteen
Eglantine
Eglevsky
Eglin
Eglon
Egmont
Egnar
Egocerus
Egoist, The
Egon
Egor
Egretta
Egri Bikaver
Egwan
Egwin
Egypt
Egyptiac
Egyptian
Egyptian calendar
Egyptian cat
Egyptian clover
Egyptian cobra
Egyptian cotton
Egyptian darkness
Egyptian deities
Egyptian deity
Egyptian demotic
Egyptian green
Egyptian hieratic
Egyptian hieroglyphic
Egyptian lotus
Egyptianisation
Egyptianise
Egyptianised
Egyptianising
Egyptianism
Egyptianization
Egyptianize
Egyptianized
Egyptianizing
Egypticity
Egyptize
Egypto-arabic
Egypto-greek
Egypto-roman
Egyptologer
Egyptologic
Egyptological
Egyptologist
Egyptology
Ehatisaht
Ehden
Ehling
Ehlke
Ehman
Ehr
Ehrenberg
Ehrenbreitstein
Ehrenburg
Ehretia
Ehretiaceae
Ehrhardt
Ehrlich
El Ferrol
El Giza
El Gizeh
El Greco
El Gza
El Khalil
El Kunteila
El Mansura
El Minya
El Misti
El Obeid
El Paso
El Paso de Robles
El Pensador Mexicano
El Salvador
El Senussi
El Sombrero de Tres Picos
El Themed
El dorado
El kophrah
El nath
El-beth-el
El-lil
Ela
Elachista
Elachistaceae
Elaeagnaceae
Elaeagnus
Elaeis
Elaeocarpaceae
Elaeocarpus
Elaeococca
Elaeodendron
Elagabalus
Elah
Elaina
Elaine
Elais
Elam
Elamite
Elamitic
Elamitish
Elana
Eland
Elane
Elanus
Elaphe
Elaphebolia
Elaphebolion
Elaphodus
Elaphoglossum
Elaphomyces
Elaphomycetaceae
Elaphrium
Elaphurus
Elapidae
Elapinae
Elaps
Elapsoidea
Elara
Elasmobranchii
Elasmosaurus
Elsmostherium
Elastoplast
Elat
Elata
Elateridae
Elath
Elatha
Elatia
Elatinaceae
Elatine
Elatus
Elayne
Elazaro
Elazig
Elba
Elbart
Elbassan
Elbe
Elberfeld
Elberon
Elbert
Elberita
Elertina
Elertime
Elerton
Elbie
Elbing
Elbio Anaya
Elbl
Elblag
Elbo
Elbridge
Elbring
Elbrus
Elbruz
Elburn
Elburr
Elburt
Elburst
Elburz Mountains
Elche
Elcho
Elco
Elconin
Elda
Elden
Eldena
Elder
Elder Edda
Elder edda
Elderon
Eldersville
Elderton
Eldín
Eldo
Eldon
Eldora
Eldorados
Eldorado Springs
Eldoree
Eldoria
Eldred
Eldreda
Eldrege
Eldreeda
Eldrid
Eldrida
Eldridge
Eldwen
Eldwin
Eldwon
Eldwun
Ele
Elea
Elean
Elean school
Elean-eretrian
Eleanor
Eleanor cross
Eleanor of Aquitaine
Eleanora
Eleanore
Eleatic
Eleaticism
Eleazar
Election Day
Election day
Electra
Electra complex
Electrides
Electronic Age
Electrophoridae
Electryon
Elele
Eleen
Eleia
Elektron
Elena
Elene
Eleni
Elenor
Elenore
Eleocharis
Eleonora
Eleonore
Eleph
Elephant Butte
Elephantiasis arabum
Elephantiasis graecorum
Elephantidae
Elephantopus
Elephas
Elephus
Eleroy
Elery
Elettaria
Eleusine
Eleusinia
Eleusinian
Eleusinian mysteries
Eleusinianism
Eleusinion
Eleusis
Eleut
Eleuthera
Eleutheri
Eleutheria
Eleutherian
Eleutherios
Eleutherius
Eleutherococcus
Eleutherodactyli
Eleutherodactylus
Eleutherozoza
Eleva
Elevation of the Host
Elevator shoe
Elevs
Elexa
Elf
Elfers
Elfie
Elfont
Elfreda
Elfrieda
Elfstan
Elga
Elgan
Elgar
Elgenia
Elger
Elgin
Elgin marbles
Elgon
Eli
Elia
Elia Kazan
Eliades
Eliahu Ben-Elissar
Elian
Elianic
Elianora
Elianore
Elias
Elias Freij
Eliason
Eliasville
Eliath
Eliathan
Eliathas
Elica
Elicius
Elida
Elidad
Elie
Elie Hobeika
Elie Wiesel
Eliezer
Eliga
Elihu
Elijah
Elijah Muhammad
Elijah's chair
Elijah's cup
Elik
Eliki Bomani
Elinor
Elinore
Elinvar
Eliot
Eliott
Eliphalet
Eliphaz
Elis
Elisa
Elisabet
Elisabeth
Elisabethville
Elisabetta
Elisavetgrad
Elisavetpol
Elise
Elisee
Eliseo
Eliseus
Elish
Elisha
Elishah
Elisia
Elison
Elissa
Elista
Elita
Elite Guard
Eliz
Eliza
Elizabet
Elizabeth
Elizabeth Bouvia
Elizabeth I
Elizabeth II
Elizabethan
Elizabethan sonnet
Elizabethan theater
Elizabethanism
Elizabethanize
Elizabethton
Elizabethtown
Elizabethville
Elizaville
Elk Grove Village
Elka
Elkader
Elkanah
Elkdom
Elke
Elkesaite
Elkhart
Elkhatem Khalifa
Elkhorn
Elkin
Elkins
Elkland
Elkmont
Elkmound
Elko
Elkoshite
Elkport
Elkton
Elkuma
Elkview
Elkville
Elkwood
Ell
Ella
Ellabell
Elladine
Ellamae
Ellamay
Ellamore
Ellan
Ellard
Ellary
Ellas
Ellasar
Ellata
Ellaville
Ellidridge
Elle
Ellen
Ellen Knauff
Ellenboro
Ellenburg
Ellendale
Ellene
Ellensburg
Ellenton
Ellenville
Ellenwood
Ellerbe
Ellerd
Ellerey
Ellerian
Ellersick
Ellerslie
Ellery
Ellesmere Island
Ellesmere Port
Ellett
Ellette
Ellettsville
Ellga
Elli
Ellice
Ellice Islands
Ellick
Ellicott
Ellicottsville
Ellie
Ellijay
Ellin
Ellinger
Ellingston
Ellington
Ellinwood
Elliot
Elliot eye
Elliott
Elliott eye
Elliottsburg
Elliottville
Ellis
Ellis Island
Ellisburg
Ellison
Ellissa
Elliston
Ellisville
Ellita
Ellmyer
Ellon
Elohist
Elohistic
Eloisa
Eloisa to Abelard
Eloise
Elon
Elon Moreh
Elonite
Elonore
Elopidae
Elora
Elotherium
Eloy
Eloy Gutierrez Menoyo
Eloyse
Elpenor
Elreath
Elrica
Elrod
Elroy
Els
Elsa
Elsah
Elsan
Elsass
Elsass-Lothringen
Elsberry
Elsbeth
Elsdon
Else
Elsene
Elset
Elsevier
Elsey
Elsholtzia
Elsi
Elsie
Elsie book
Elsinore
Elsmere
Elsmore
Elson
Elspet
Elspeth
Elstan
Elston
Elsworth
Elsy
Elton
Eluard
Elul
Elum
Elura
Elurde
Elva
Elvah
Elvaston
Elvera
Elverda
Elverson
Elverta
Elvia
Elvie
Elvin
Elvina
Elvine
Elvira
Elvis
Elvita
Elvyn
Elwaine
Elwee
Elwell
Elwin
Elwina
Elwira
Elwood
Elwyn
Ely
Elymi
Elymus
Elyn
Elyot
Elyria
Elys
Elysburg
Elyse
Elysee
Elysha
Elyxia
Elysian
Elysian Fields
Elysian fields
Elysiidae
Elysium
Elyssa
Elyutin
Elzevier
Elzevir
Elzevir book
Elzevir edition
Elzevirian
Em
Ema
Emad
Emalee
Emalia
Emancipation Day
Emancipation Proclamation
Emanuel
Emanuela
Emanuele
Emarginula
Emarie
Emathion
Embdomonas
Emballonuridae
Embargo act
Embarkation for Cythera, The
Embden
Emelia
Ember day
Ember days
Ember week
Emberiza
Emberizinae
Embiidae
Embiidina
Embiodea
Embioptera
Embiotocidae
Embla
Embolomeri
Embrica
Embry
Embryophyta
Embryophyta asiphonogama
Embryophyta siphonogama
Embudo
Emden
Eme-sal
Emee
Emeigh
Emelda
Emelen
Emelia
Emelin
Emelina
Emeline
Emelita
Emelle
Emelun
Emelyne
Emera
Emerado
Emerald
Emerald Isle
Emergency Broadcast System
Emeric
Emerick
Emerita
Emersen
Emerson
Emerson Fittipaldi
Emersonian
Emersonianism
Emery
Emeryville
Emesa
Emesidae
Emie
Emigsville
Emil
Emil Gilels
Emile
Emile Biayenda
Emilee
Emili
Emilia
Emilia-Romagna
Emiliano
Emilie
Emiline
Emilio
Emilio Garratazu Medici
Emily
Emim
Emina
Eminence
Eminescu
Emington
Emiscan
Enceladus
Encelia
Encephalartos
Enchelycephali
Enchodontid
Enchodontidae
Enchodontoid
Enchodus
Enchytraeidae
Enchytraeus
Encina
Encinal
Encinitas
Encino
Encke
Encrata
Enкратia
Encratic
Encratis
Encratism
Encratite
Encrinidae
Encrinoidea
Encrinus
Encyrtidae
End
Endamoeba
Endamoebidae
Endeavor
Endecott
Endeis
Ender
Enderby Land
Enderlin
Enders
Endicott
Endo
Endoceras
Endoceratidae
Endogenae
Endomyces
Endomyctaceae
Endoparasitica
Endophyllaceae
Endophyllum
Endoprocta
Endopterygota
Endor
English
English Canadian
English Channel
English Civil War
English Mail-Coach, The
English Pale
English Revolution
English as it is spoken
English bond
English bulldog
English cavalry saddle
English cocker spaniel
English daisy
English elm
English flute
English foxhound
English gooseberry
English holly
English horn
English iris
English ivy
English laurel
English literature
English muffin
English pink
English primrose
English red
English riding saddle
English rye grass
English saddle
English sennit
English setter
English sonnet
English sparrow
English springer spaniel
English system
English system of measurement
English toy spaniel
English walnut
English yew
English-born
English-bred
English-built
English-hearted
English-made
English-manned
English-minded
English-rigged
English-setter
English-speaking
Englishable
Englisher
Englishhood
Englishism
Englishize
Englishly
Englishman
Englishman's tie
Englishmen
Englishness
Englishry
Enlishtown
Englishwoman
Englishwomen
Engracia
Engraulidae
Engraulis
Engud
Engvall
Engystomatidae
Enhydra
Enhydrinae
Enhydris
Enicuridae
Enid
Enif
Eniopeus
Eniwetok
Enka
Enki
Enkidu
Enkimdu
Enlightenment
Enlil
Enloe
Ennerdale Water
Ennice
Enning
Ennis
Ennis Whatley
Enniskillen
Ennius
Ennomus
Ennosigaeus
Eno
Enoch
Enochic
Enochs
Enola
Enon
Enone
Enopia
Enoree
Enos
Enovid
Enrica
Enrichetta
Enrico
Enrico Berlinguer
Enrika
Enrique
Enrique Aristeguieta
Enrique Camarena
Enrique Tejera
Enriqueta
Ens
Ens rationis
Ens reale
Enschede
Ensenada
Enshih
Ensiferi
Ensign
Ensoll
Ensor
Entada
Entamoeba
Entebbe
Entellus
Entelodon
Ententophil
Enterocoela
Enterolobium
Enteromorpha
Enteropneusta
Enterprise
Entiat
Entoloma
Entomophaga
Entomophila
Entomophthora
Entomophthoraceae
Entomophthorales
Entomosporium
Entomostraca
Entoprocta
Entotrophi
Entre-Deux-Mers
Entriken
Entwistle
Entyloma
Enugu
Enukki
Enumclaw
Enver
Enver Hoxha
Enver Pasha
Enville
Environmental Protection Agency
Enyalius
Enyedy
Enyeus
Enyo
Enzed
Enzedder
Eoanthropus
Eocarboniferous
Eocene
Eodevonian
Eogaca
Eogaean
Eogene
Eoghanacht
Eohippus
Eoin
Eola
Eolanda
Eolande
Eolia
Eolian
Eolic
Eoline
Eolitic
Eomecon
Eopaleaeozoic
Eopaleozoic
Eos
Eosaurus
Eozoic
Ep
Epacridaceae
Epacris
Epaminondas
Epaminondas and Pelopidas
Epanagoge
Epanorthidae
Epaphus
Epanchian
Epeans
Epeira
Epeiridae
Epeirot
Eperua
Epes
Epeus
Eph
Ephedra
Ephedraceae
Ephemerida
Ephemeridae
Ephemeris and Nautical Almanac
Ephemeroptera
Ephes
Ephesian
Ephesians
Ephesine
Ephesus
Ephialtes
Ephraemi Rescriptus
Ephraemi Syri
Ephraim
Ephraim Eldar
Ephraim Evron
Ephraim Katzir
Ephraimithe
Ephraimitic
Ephraimitish
Ephraitic
Ephram
Ephrata
Ephrathite
Ephrayim
Ephrem
Ephrem Syrus
Ephthalite
Ephthianura
Ephydra
Ephydridae
Epibaterium
Epibaterius
Epicaridea
Epicarides
Epicaste
Epicauta
Epiceratodus
Epichristian
Epicoela
Epicrates
Epicetetian
Epictetus
Epicurean
Epicureanism
Epicurism
Epicurize
Epicus
Epidaurus
Epidemiarum
Epidendron
Epidendrum
Epidermophyton
Epifano
Epigaea
Epigenes
Epigoni
Epigonichthyidae
Epigonichthys
Epigonus
Epithippus
Epikouros
Epilachna
Epilachnides
Epilobiaceae
Epilobium
Epimachinae
Epimedium
Epimenidean
Epimenides
Epimetheus
Epinephelidae
Epinephelus
Epione
Epipactis
Epipaleolithic
Epiph
Epiphania
Epiphany
Epworth League
Equality
Equality State
Equanil
Equatorial Guinea
Equinunk
Equisetaceae
Equisetales
Equisetum
Equity
Equulei
Equuleus
Equus
Equus beds
Equus october
Er
Er Rif
Er rai
Era of Good Feeling
Eradis
Eragrostis
Eran
Eranthemum
Eranthis
Eras
Erasme
Erasmian
Erasmianism
Erasmo
Erasmus
Erastatus
Eraste
Erastes
Erastian
Erastianism
Erastianize
Erastus
Erath
Erato
Eratosthenes
Erava
Erb
Erbaa
Erbacon
Erbe
Erbes
Erbil
Erce
Erceldoune
Ercilla
Erciyas Da
Erda
Erdah
Erdda
Erde
Erdei
Erdman
Erdrich
Erebus
Erech
Erechim
Erechtheum
Erechtheus
Erechites
Erek
Erelia
Eremian
Eremochaeta
Eremopteris
Eremurus
Erena
Erenburg
Ereshkigal
Ereshkigel
Erethizon
Erethizontidae
Eretrian
Eretrian school
Ereuthalion
Ereven
Erewhon
Erfert
Erfurt
Ergane
Ergener
Erginus
Ergotrate
Erhard
Erhard Seminars Training
Erhardt
Erhart
Eri
Erian
Erianthus
Eriboea
Eric
Erinna
Erinyes
Erinys
Eriobotrya
Eriocaulaceae
Eriocaulon
Eriocomi
Eriodendron
Eriodictyon
Eriogonum
Eriophorum
Eriophyes
Eriophyidae
Eriosoma
Eriphyle
Eris
Eristalis
Erithacus
Eritrea
Eritrean
Erivan
Erkan
Erl
Erland
Erlander
Erlandson
Erlang
Erlangen
Erlanger
Erlau green
Erle
Erleena
Erlene
Erlenmeyer
Erlenmeyer flask
Erlewine
Erlin
Erlina
Erline
Erlinna
Erlond
Erma
Ermalinda
Ermanaric
Ermani
Ermanno
Ermannrich
Erme
Ermeena
Ermengarde
Ermentrude
Erney
Ermin
Ermina
Ermine
Erminia
Erminie
Erminna
Ern
Erna
Ernald
Ernaldus
Ernaline
Erne
Ernest
Ernesta
Ernestine
Ernesto
Ernesto Civardi
Ernesto Dihigo
Ernesto Geisel
Ernestus
Ernestyne
Ernie
Ernst
Ernul
Erny
Erodium
Eroica Symphony
Eros
Erotes
Erotylidae
Erpetoichthys
Errantia
Errecart
Errhephoria
Errick
Errol
Erroll
Ersar
Erse
Erskine
Ertebolle
Ertha
Eruca
Erulus
Erund
Erv
Ervin
Ervine
Erving
Erviame
Ervum
Ervy
Erwin
Erwinia
Erwinna
Erwinville
Erycina
Erymanthian
Erymanthian boar
Erymanthos
Erymanthus
Eryn
Eryngium
Eryon
Eryops
Erysibe
Erysichthon
Erysimum
Erysipelothrix
Erysipheae
Erysiphe
Erythea
Erytheis
Erythraea
Erythraean
Erythraean sibyl
Erythraeidae
Erythraeum
Erythrina
Erythrinidae
Erythrinus
Erythrochaete
Erythronium
Erythroxylaceae
Erythroxylon
Erythroxylum
Eryx
Erz Mountains
Erzerum
Erzgebirge
Erzurum
Eskimo Pie
Eskimo curlew
Eskimo dog
Eskimo purchase
Eskimo-Aleut
Eskimoan
Eskimoic
Eskimoid
Eskimoized
Eskimologist
Eskimology
Eskimos
Eskisehir
Eskishehir
Esco
Eskualdun
Eskuara
Esquy
Eslie
Esma
Esmarch bandage
Esmaria
Esmark
Esme
Esmeralda
Esmeraldan
Esmeraldas
Esmerelda
Esmerolda
Esmond
Esmont
Esocidae
Esopus
Esopus grit
Esox
España
Espanola
Espartero
Esparto
Esperance
Esperantic
Esperantidist
Esperantido
Esperantism
Esperantist
Esperto
Espoo
Esposito
Espriella
Esprit des Lois
Espírito Santo
Espíritu Santo
Espronceda
Espy
Esq
Esquiline
Esquimaau
Esquimauan
Esquimaux
Esquipulas
Esquire
Esra
Essa
Essam
essaouira
Essay on Criticism
Essedones
Esselen
Esselenian
Essen
Essene
Essenian
Essenianism
Essenic
Essenical
Essenis
Essenism
Essenize
Essequibo
Essex
Essex Junction
Essex Junto
Essex table
Essexfells
Essexville
Essie
Essig
Essinger
Essington
Essoone
Essy
Est Est Est
Esta
Estaban de Jesus
Established Church
Establishment
Establishment, the
Estacada
Estaing
Estancia
Estas
Estates General
Este
Esteban
Esteban Dejesus
Estel
Estele
Esteli
Estell
Estella
Estelle
Estelline
Esten
Ester
Esterhazy
Estero
Estes
Estes Kefauver
Estes Park
Estevan
Estey
Esth
Esthacyte
Esther
Estheria
Estheriidae
Estherville
Estherwood
Esthonia
Esthonian
Estienne
Estill
Estis
Estonia
Estonian
Estotiland
Estournelles de Constant
Estrada Cabrera
Estrella
Estrellita
Estremadura
Estren
Estrin
Estron
Estus
Eszencia
Esztergom
Eszterhazy
Et
Eta
Etam
Etamin
Etan
Etana
Etas
Etchareottine
Etchimin
Etem
Eteocles
Eteoclus
Eteocretan
Eteocretes
Eteocreton
Eternal City
Eternal City, The
Eth
Ethan
Ethanim
Ethban
Ethben
Ethbin
Ethbinium
Ethbun
Ethe
Ethel
Ethelbert
Ethelda
Ethelée
Ethelene
Ethelette
Ethelin
Ethelind
Ethelinda
Etheline
Ethelred
Ethelred II
Ethelstan
Ethelsville
Ethelyn
Ethelynnne
Etheneldeli
Etheostoma
Etheostomidae
Etheostominae
Etherge
Etheria
Etheriidae
Ethical Culture
Ethics of the Fathers
Ethiop
Ethiope
Ethiopia
Ethiopian
Ethiopian Church
Ethiopic
Ethelyn
Ethyl
Ethyle
Etienne
Etlan
Etiwanda
Etka
Etlan
Ema
Emean
Etrole
Etom
Eton
Eton College
Eton blue
Eton cap
Eton collar
Eton crop
Eton game
Eton jacket
Etonian
Etowah
Etowah mound
Etr
Etra
Etrem
Etruria
Etruria ware
Etrurian
Etruscan
Etruscan ware
Etrusco-roman
Etruscologist
Etruscopy
Etta
Ettabeth
Ettari
Ettarre
Etters
Etterville
Etti
Ettie
Ettinger
Ettoe
Ettrick
Etty
Etz
Etzel
Eu
Euachehme
Euahlayi
Euascomycetes
Eubacteriales
Eubank
Eubasidii
Euboea
Euboean
Euboic
Eubranchipus
Eubuleus
Eucalyptus
Eucarida
Eucha
Eucharis
Eucharis mite
Eucharist
Eucharistic
Eucharistic rites
Eucharistical
Eucharistically
Eucharitidae
Euchenor
Euchite
Euchlaena
Euchlorophyceae
Euchorda
Eucirripedia
Eucken
Euclea
Eucleidae
Euclid
Euclidean
Euclidean algorithm
Euclidean domain
Euclidean geometry
Euclidean group
Euclidean space
Euclideanism
Euclides
Euclidian
Euclenemidae
Eucommia
Eucommiaceae
Euconjugatae
Eucopepoda
Eucosia
Eucosmidae
Eucryphia
Eucryphiaceae
Euctemon
Eudemian
Eudendrium
Eudeve
Eudist
Eudo
Eudoca
Eudocia
Eudora
Eudorina
Eudorus
Eudosia
Eudoxia
Eudoxian
Eudoxus
Eudoxus of Cnidus
Eudromias
Eudyptes
Euell
Euemerus
Euergetes
Eufaula
Eug
Eugen
Eugen Beigl
Eugene
Eugene Cernan
Eugene Hasenfus
Eugene I
Eugene II
Eugene III
Eugene IV
Eugene Onegin
Eugenia
Eugenia red
Eugenides
Eugenie
Eugenio
Eugenius
Eugenius I
Eugenius II
Eugenius III
Eugenius IV
Eugeniusz
Eugenle
Eugene
Euglandina
Euglena
Euglenaceae
Euglenales
Euglenida
Euglenidae
Eugleninae
Euglenoidina
Eugnie
Eugregarinida
Eugubine
Eugubium
Euh
Euhemerus
Euppe
Eula
Eulacee
Eulalia
Eulaliah
Eulalie
Eulamellibranchia
Eulamellibranchiata
Eulau
Eulee
Eulenspiegel
Euler
Euler characteristic
Euler's constant
Euler's formula
Euler's phi-function
Euler-Chelpin
Eulerian
Euless
Eulima
Eulimidae
Eulis
Eumaeus
Eumedes
Eumelus
Eumenes
Eumenidae
Eumenidean
Eumenides
Eumolpides
Eumolpus
Eumycetes
Eunectes
Euneus
Eunice
Eunicidae
Eunomia
Eunomian
Eunomianism
Eunomus
Eunson
Euomphalus
Euonymus
Euornithes
Euorthoptera
Eupanorthidae
Eupanorthus
Eupatorium
Eupen and Malmdy
Euphausia
Euphausiacea
Euphausiidae
Eupheemia
Euphemia
Euphemiah
Euphemie
Euphemus
Euphorbia
Euphorbia sphinx
Euphorbiaceae
Euphorbus
Euphorion
Euphrasia
Euphratean
Euphrates
Euphremia
Euphrosyne
Euphues
Euphylllopoda
Euplectella
Euplexoptera
Euplocomi
Euploeiinae
Euplotes
Eupolidean
Eupolidean meter
Eupolyzoa
Eupomatia
Eupomatiaeae
Eupora
Euprepia
Euproctis
Euptelea
Eupterotidae
Eur
Eur-
Eurafric
Eurafrican
Euramerican
Euraquilo
Eurasia
Eurasian
Eurasian landmass
Eurasianism
Eurasiatic
Euratont
Eure
Eure-et-Loir
Eureka
Eureka Stockade
Euridice
Euridyce
Eurindic
Euripidean
Euripidean tragedy
Euripides
Eurippa
Euro-
Euro-American
Euro-american
Euroaquilo
Euroclydon
Eurocommunism
Eurocrat
Eurodollar
Eurodollars
Euromarket
Euromart
Europa
European
European Atomic Energy Community
European Economic Community
European Free Trade Association
European Recovery Program
European Recovery Programme
European beech
European bird cherry
European bison
European blastomycosis
European chestnut
European corn borer
European cranberry
European elder
European fan palm
European fly honeysuckle
European globeflower
European goldenrod
European larch
European letter telegram
European linden
European mallow
European plan
European raspberry
European spruce sawfly
European white hellebore
Europeanisation
Europeanise
Europeanised
Europeanising
Europeanism
Europeanization
Europeanize
Europeanized
Europeanizing
Europeanly
Europeo-american
Europeo-asiatic
Europeo-siberian
Europeward
Europocentric
Europoort
Eurotas
Eurovision
Eurus
Euryalae
Euryale
Euryaleae
Euryalida
Euryalus
Eurybates
Eurybia
Eurycerotidae
Euryclea
Eurycleia
Eurydamas
Eurydice
Eurygaea
Eurygaean
Euryganeia
Eurylaimi
Eurylaimidae
Eurylaimus
Eurylochus
Eurymachus
Eurymede
Eurymedon
Eurymus
Eurynome
Eurypelma
Eurypharyngidae
Eurypharynx
Eurypterida
Eurypteroidea
Eurypterus
Eurypygae
Eurypygae
Eurypygidae
Eurypylus
Eurysaces
Eurysthenes
Eurystheus
Eurytion
Eurytomidae
Eurytus
Euscaro
Eusebian
Eusebio
Eusebius
Eusebius of Caesarea
Euselachii
Euskaldun
Euskara
Euskarian
Euskaric
Euskera
Euspongia
Eustace
Eustache
Eustachian
Eustachian tube
Eustachio
Eustachius
Eustacia
Eustashe
Eustasius
Eustathian
Eustathius
Eustazio
Eusthenopteron
Eustis
Eusuchia
Eutaenia
Eutaw
Eutawville
Euterpe
Euterpean
Euthamia
Eutheria
Euthycomi
Euthyneura
Eaton
Eutopia
Eutopian
Eutychian
Eutychianism
Eutychianus
Euxine
Euxine Sea
Ev
Eva
Eva Gabor
Eva Gschopf
Eva Pfaff
Evacuation Day
Evadale
Evadne
Evadnee
Evaleen
Evalyn
Evan
Evan Mecham
Evander
Evang
Evangelia
Evangelical
Evangelical Congregationalist
Evangelicalism
Evangelin
Evangelina
Evangeline
Evangelist
Evangelists
Evangels
Evangelos Averoff
Evania
Ehaniidae
Evanne
Evanna
Evans
Evansdale
Evansport
Evanson
Evansville
Evant
Evante
Evanthe
Evanthia
Evarglise
Evaristus
Evars
Evart
Evarts
Evatt
Eve
Eve's pudding
Evea
Evehood
Evel Knievel
Eveleen
Eveless
Eveleth
Evelin
Evelina
Eveline
Evelinn
Evelunn
Evelyn
Evelynne
Evemerus
Even
Even-christian
Evendale
Evening Prayer
Evening With Monsieur Teste, An
Eveningshade
Evensville
Eventognathi
Eventus
Evenus
Everara
Everard
Everdur
Eveready
Evered
Everes
Everest
Everett
Everetts
Everettville
Everglade state
Everglades
Everglades National Park
Evergood
Evergreen
Evergreen Park
Evergreen State
Everhart
Everick
Everly
Evernia
Eversrs
Evers
Eversole
Everson
Evert
Evertebrata
Everton
Every Man Out of His Humour
Every Man in His Humour
Everyman
Evesham
Evetta
Evette
Evey
Evian-les-Bains
Evie
Evil One
Evin
Evington
Evingston
Evipal
Evita
Evius
Evnissyen
Evodia
Evonne
Evonymus
Evora
Evoy
Evreux
Evros
Evslin
Evtushenko
Evva
Evvie
Evvoia
Evvy
Evy
Evyleen
Evyn
Ewa
Ewald
Ewall
Ewan
Ewan Clague
Eward
Ewart
Ewe
Ewell
Ewen
Ewens
Ewer
Ewig-weibliche
Ewing
Ewold
Ex
Exarchic
Exarchist
Exaudi
Exc
Excalibur
Excedrin
Excellence
Excellency
Excello
Excelsior
Excelsior Springs
Excelsior diamond
Exchangite
Exchequer
Exchequer chamber
Excipulaceae
Exclusion bill
Exclusive Brethren
Excoecaria
Executive Council
Executive Mansion
Exeland
Exeter
Exile
Exira
Exline
Exmoor
Exmore
Exoascaceae
Exoascales
Exoascus
Exobasidiaceae
Exobasidiales
Exobasidium
Exochorda
Exocoetidae
Exocoetus
Exocyclica
Exocycloida
Exod
Exodus
Exogenae
Exogonium
Exogyra
Exon
Exon domesday
Exonian
Exopterygota
Exostemata
Expectation Week
Expectation sunday
Expectation week
Explorer
Export-Import Bank
Expressionism
Expressionismus
Expressionist
Expressionistic
Expressionistically
Extasie
Extasie, The
Extasie
Exton
Extra-american
Extra-christrian
Extra-judaical
Extra-league
Extra-neptunian
Extravagantes
Extremadura
Exultet
Exuma
Exxon
Exxon Valdez
Eyck
Eyde
Eydie
Eyeish
Eyeleen
Eyetie
Eyla
Eyota
Eyre
Eyre Peninsula
Eyre's Peninsula
Eysenck
Eysk
Eyskens
Ez
Ezana
Ezar
Ezara
Ezaria
Ezarra
Ezarras
Ezechias
Ezechiel
Ezek
Ezekiel
Ezel
Ezequiel
Ezer Weizman
FARNET
FAS
FASST
FAST
FAT
FAX
FAdm
FB
FBA
FBI
FBI agent
FBO
FBV
FC
FC radar
FCA
FCAP
FCC
FCCSET
FCFS
FCG
FCIC
FCO
FCRC
FCS
FCT
FD
FDA
FDDI
FDDII
FDHD
FDIC
FDM
FDP
FDR
FDX
FE
FEA
FEAF
FEB
FEC
FED
FEDSIM
FEHQ
FEM
FEMA
FEMF
FEP
FOV
FP
FPA
FPC
FPDU
FPE
FPHA
FPLA
FPM
FPO
FPP
FPS
FPU
FQDN
FR
FR-1
FRACTAL
FRAM
FRB
FRC
FRCM
FRCO
FRCP
FRCS
FRD
FRED
FREE
FRG
FRGS
FRICC
FROG
FRPG
FRR
FRS
FRSL
FRSS
FRU
FS
FSA
FSCM
FSDO
FSE
FSF
FSH
FSK
FSLIC
FSR
FSS
Fabiola
Fabiolas
Fabius
Fabius Maximus
Fablan
Fables
Fabozzi
Fabraea
Fabre
Fabri
Fabria
Fabriane
Fabrianna
Fabrianne
Fabriano
Fabrice
Fabricius
Fabrienne
Fabrikoid
Fabrin
Fabritius
Fabron
Fabronia
Fabroniaceae
Fabry-Perot etalon
Fabry-Perot interferometer
Fabyan
Fabyola
Fachan
Fachanan
Fachini
Fackler
Factice
Factor
Factoryville
Faculty of Advocates
Fadden
Fadeev
Faden
Fadeometer
Fadeyev
Fadil
Fadil Jamali
Fadiman
Fae
Faenza
Faerie Queene, The
Faeroe
Faeroe Islands
Faeroes
Faeroese
Fafner
Fafnir
Fagaceae
Fagales
Fagaly
Fagan
Fagara
Fagaras Mountains
Fagelia
Fagen
Fagerholm
Faggi
Fagin
Fagopyrum
Fagus
Fah
Fahey
Fahland
Fahnestock clip
Fahr
Fahrenheit
Fahrenheit scale
Fahrenheit thermometer
Fahy
Fai
Faial
Faina
Fair
Fair Deal
Fair Haven
Fair Isle
Fair Lawn
Fair Oaks
Fair Plain
Fair deal
Fair dealer
Fairbank
Fairbanks
Fairborn
Fairburn
Fairbury
Fairchance
Fairchild
Fairdale
Faires
Falconiformes
Falconinae
Falcunculus
Falda
Falderal
Falerian
Falerii
Falerian
Falerno
Falernum
Faletti
Falfurrias
Faliere
Faliero
Faline
Faliscan
Falisci
Falito
Falk
Falkenhayn
Falkirk
Falkland
Falkland Islands
Falkland Islands Dependencies
Falkner
Falkville
Fall
Fall Line
Fall River
Fall River Legend
Fall of the House of Usher, The
Fall pippin
Fall, The
Falla
Fallbrook
Fallon
Fallopian
Fallopian aqueduct
Fallopian tube
Falls
Fallsbury
Fallston
Falmouth
False Bay
False Decretals
Falstaff
Falstaffian
Falster
Faltboat
Faludi
Falun
Falunian
Faluns
Falzetta
Fama
Famagusta
Famechon
Fameuse
Famgio
Familist
Family
Family Compact
Family Division
Fan
Fanagalo
Fanchan
Fancher
Fanchet
Fanchette
Fanchie
Fanchon
Fancia
Fancie
Fanconi syndrome
Fanconi's syndrome
Fancy
Fancy Free
Fanechka
Fanestil
Faneuil
Faneuil Hall
Fanfani
Fanfare
Fang
Fang I
Fang Lizhi
Fang Yi
Fangio
Fania
Fannettsburg
Fanni
Fannia
Fannie
Fannie Mae
Fannin
Fanning
Farica
Farida
Farika
Farinelli
Faris Bey el Khouri
Farish
Farisita
Fariss
Farkas
Farl
Farland
Farlay
Farlee
Farleigh
Farler
Farley
Farlie
Farlington
Farly
Farm Bureau
Farm Credit Administration
Farm loan bank
Farman
Farnann
Farmdale
Farmelo
Farmer
Farmer's reducer
Farmer-Labor Party
Farmer-Labor party
Farmers
Farmersburg
Farmersville
Farnerville
Farmingdale
Farmington
Farmingville
Farmville
Farnam
Farnborough
Farner
Farnese
Farnham
Farnhamville
Farnovian
Farnsworth
Farny
Faro
Faroe Islands
Faroeish
Faroes
Faroese
Farouk
Farouk I
Farouk Kaddoumi
Farquhar
Farquhar Islands
Farr
Farra
Farragut
Farrah
Farrand
Farrandsville
Farrar
Farrel
Farrell
Farrica
Farrington
Farris
Farrish
Farrison
Farro
Farron
Farrow
Fars
Farsang
Farsi
Farson
Farther India
Faruk I
Faruq
Farver
Farwell
Fasano
Fascio
Fasciolaria
Fasciolariidae
Fasciolidae
Fascism
Fascist
Fascista
Fascisti
Fashing
Fashoda
Faso
Fassbinder
Fassold
Fast
Fast of Av
Fast of Esther
Fast of Gedaliah
Fasta
Fasten tuesday
Fasto
Fata
Fata Morgana
Fatagaga
Fatah
Fates
Father
Father Christmas
Father Hugo's rose
Father Time
Father of Lies
Father's Day
Father, Son, and Holy Ghost
Father, The
Fatherhood
Fathers and Children
Fathers and Sons
Fathometer
Fatiha
Fatima
Fatimid
Fatimah
Fatimite
Fatma
Fatshan
Fattal
Faubert
Faubion
Faubush
Faucett
Fauch
Faucher
Faucille
Faulkland
Faulkner
Faulkton
Fauman
Faun
Fauna
Faunia
Faunie
Faunsdale
Faunus
Faur
Faure
Faus
Faust
Fausta
Faustena
Faustian
Faustianism
Faustina
Faustine
Fausto
Faustulus
Faustus
Fauve
Fauver
Fauvism
Fauvist
Faux
Faux-Monnayeurs, Les
Favata
Faventine
Faverolle
Favian
Favianus
Favien
Favilla
Favin
Favola d'Orfeo, La
Favonia
Favonius
Favosites
Favositidae
Favrine Glass
Favrine glass
Favrot
Fawaz Younis
Fawcett
Fawcette
Fawkes
Fawn
Fawna
Fawne
Fawnia
Fawnskin
Fawzi el Kaukji
Fawzi el Mulki
Fawzia
Fax
Faxan
Faxen
Faxon
Faxun
Fay
Fayal
Fayal lily
Fayanne
Faydra
Faye
Fayette
Fayetteville
Fayettism
Fayina
Fayme
Fayola
Fayre
Fayth
Faythe
Fayum
Fayumic
Faywood
Fazeli
Fe
Feala
Fear
Feast
Feast of Booths
Feast of Dedication
Feast of Fools
Feast of Lanterns
Feast of Lights
Feast of Lots
Feast of Orthodoxy
Feast of Tabernacles
Feast of Weeks
Feast of the Dedication
Feast of the Unleavened Bread
Featherstone
Feb
Febe
Febronian
Febronianism
Februaries
Februarius
Fendig
Fenelia
Fenella
Fenelon
Fenelton
Fenestellidae
Fengkieh
Fengtien
Fenian
Fenianism
Fenn
Fennell
Fennelly
Fenner
Fennessey
Fennie
Fennimore
Fennoman
Fennville
Fenny
Fenrir
Fenris-wolf
Fens
Fensalir
Fenton
Fentress
Fenwick
Fenzelia
Feodor
Feodor Fedorenko
Feodora
Feodore
Feola
Feosol
Ferae
Ferahan
Feramorz
Ferber
Ferd
Ferde
Ferdiad
Ferdie
Ferdinana
Ferdinand
Ferdinand I
Ferdinand II
Ferdinand III
Ferdinand V
Fesapo
Fescennine
Fessenden
Festa
Festus
Festus
Festun
Festus
Festus
Festival of Fools
Festival of Lanterns
Festschrift
Festschriften
Festschriften
Festung Europa
Festus
Feucht
Feuchtwanger
Feuerbach
Feuillant
Feuillants
Feuille de Dreux
Feuillée
Feune
Feurabush
Fevre
Fevrier
Fevzi Cakmak
Fevzi Lutfi Karaosmaglu
Fey
Feydeau
Feynman
Fez
Fezzan
Fezziwig
Fi
Fia
Fiann
Fianna
Fianna Fail
Fianna fail
Fiatt
Fiber
Fiberfrax
Fiberglas
Fibiger
Fibonacci
Fibonacci number
Fibonacci numbers
Fibonacci sequence
Fibrospongiae
Ficaria
Fichte
Fichtean
Fichteanism
Ficino
Fick principle
Ficoidaceae
Ficoideae
Ficula
Ficus
Fid Def
Fidac
Fiddler's Green
Fiddletown
Fidei Defensor
Fidel
Fidel Castro
Fidel Chavez Mena
Fidela
Fidelas
Fidele
Fidelia
Fidelio
Fidelis
Fidelism
Fidelity
Fidellas
Fidellia
Fiden
Fides
Fides populi Romani
Fides publica Romani
Fidessa
Fidia
Fido
Fidole
Fiedler
Fiedling
Field
Fieldale
Fielding
Fieldon
Fields
Fields of Mourning
Fieldton
Fiend
Fierabras
Fiersfer
Fierasferidae
Fierebras
Fiertz
Fiesole
Fiester
Fife
Fifeshire
Fifi
 Fifield
Fifine
Fifinella
Fifth Amendment
Fifth Monarchy Men
Fifth Republic
Fifth of May
Figge
Fighting French
Figitidae
Figl
Figone
Figurees
Figueroa
Fiji
Fiji Islands
Fiji arrowroot
Fiji chestnut
Fijian
Filago
Filaria
Filariiidae
Filbert
Filbert Bayi
Filberete
Filberto
Filemon
Filer
Files
Filia
Filiano
Filibranchia
Filicales
Filices
Filicineae
Filicites
Filicornia
Filide
Fineen
Finegan
Finella
Fineman
Finer
Fineview
Fingal
Fingal's Cave
Fingall
Fingallian
Finger Lakes
Fingerville
Fingo
Fingu
Fini
Finiglacial
Finist
Finistere
Finisterre
Fink
Fink truss
Finkelstein
Finksburg
Finland
Finlander
Finlandia
Finlay
Finlayson
Finletter
Finley
Finleyville
Finly
Finmark
Finn
Finnbearsa
Finnegan
Finnegans Wake
Finney
Finnic
Finnicize
Finnie
Finnigan
Finnish
Finnish bath
Finmark
Finno-Russo War
Finno-Ugrian
Finno-Ugric
Firmisternia
Firmismalerei
Firoloida
Firooc
First Balkan War
First Chamber
First Empire
First Families of Virginia
First International
First Lord
First Lord of the Admiralty
First Lord of the Treasury
First Presidency
First Reader
First Reich
First Republic
First Secretary of State
First World War
First day
Firstborn, The
Firth
Fisch
Fischbein
Fischer
Fischer-Dieskau
Fischer-Tropsch process
Fish
Fishback
Fishbein
Fisher
Fisheries and Food
Fishers
Fishersville
Fishertown
Fisherville
Fishes
Fishkill
Fishman
Fishskin tatar
Fishtail
Fishtrap
Fisk
Fiskdale
Fiske
Fisken
Fiskeville
Fissidens
Fissidentaceae
<table>
<thead>
<tr>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fissilinguia</td>
</tr>
<tr>
<td>Fissipeda</td>
</tr>
<tr>
<td>Fissipedia</td>
</tr>
<tr>
<td>Fissipes</td>
</tr>
<tr>
<td>Fissirostres</td>
</tr>
<tr>
<td>Fissurella</td>
</tr>
<tr>
<td>Fissurellidae</td>
</tr>
<tr>
<td>Fistulana</td>
</tr>
<tr>
<td>Fistularia</td>
</tr>
<tr>
<td>Fistulariidae</td>
</tr>
<tr>
<td>Fistulina</td>
</tr>
<tr>
<td>Fisty</td>
</tr>
<tr>
<td>Fitch</td>
</tr>
<tr>
<td>Fitchburg</td>
</tr>
<tr>
<td>Fithian</td>
</tr>
<tr>
<td>Fitting</td>
</tr>
<tr>
<td>Fittipaldi</td>
</tr>
<tr>
<td>Fitton</td>
</tr>
<tr>
<td>Fittonia</td>
</tr>
<tr>
<td>Fitts</td>
</tr>
<tr>
<td>Fittstown</td>
</tr>
<tr>
<td>Fitz</td>
</tr>
<tr>
<td>Fitz-james</td>
</tr>
<tr>
<td>FitzGerald</td>
</tr>
<tr>
<td>FitzGerald-Lorentz contraction</td>
</tr>
<tr>
<td>Fitzclarence</td>
</tr>
<tr>
<td>Fitzger</td>
</tr>
<tr>
<td>Fitzgerald</td>
</tr>
<tr>
<td>Fitzgual</td>
</tr>
<tr>
<td>Fitzhugh</td>
</tr>
<tr>
<td>Fitzpat</td>
</tr>
<tr>
<td>Fitzpatrick</td>
</tr>
<tr>
<td>Fitzroy</td>
</tr>
<tr>
<td>Fitzroya</td>
</tr>
<tr>
<td>Fitzsimmons</td>
</tr>
<tr>
<td>Fiuman</td>
</tr>
<tr>
<td>Fiume</td>
</tr>
<tr>
<td>Fiumicino</td>
</tr>
<tr>
<td>Five Books of Moses</td>
</tr>
<tr>
<td>Five Civilized Nations</td>
</tr>
<tr>
<td>Five Civilized Tribes</td>
</tr>
<tr>
<td>Five Nations</td>
</tr>
<tr>
<td>Five Towns</td>
</tr>
<tr>
<td>Five-Elements School</td>
</tr>
<tr>
<td>Five-Year Plan</td>
</tr>
<tr>
<td>Five-year plan</td>
</tr>
<tr>
<td>Fixin</td>
</tr>
<tr>
<td>Fizeau</td>
</tr>
<tr>
<td>Fjare</td>
</tr>
</tbody>
</table>
Flaubert
Flaubertian
Flaveria
Flavia
Flavian
Flavio
Flavius
Flavobacterium
Flaxman
Flaxton
Flaxville
Fleck
Flecker
Fleda
Fledermaus Die
Fleece
Fleeman
Fleet
Fleet Air Arm
Fleet Prison
Fleet Street
Fleet-book evidence
Fleeta
Fleetville
Fleetwood
Fleetwood Mac
Fleischer
Fleischmanns
Fleisher
Fleisig
Flem
Fleming
Fleming valve
Fleming's rules
Flemings
Flemingsburg
Flemington
Flemish
Flemish bob
Flemish bond
Flemish coil
Flemish fake
Flemish horse
Flemish knot
Flemish school
Flemish scroll
Flemish-coil
Flemming
Flensberg
Flessel
Fleta
Fletch
Fletcher
Fletcherise
Fletcherised
Fletcherising
Fletcherism
Fletcherite
Fletcherize
Fletcherized
Fletcherizing
Flettner control
Fleur
Fleur de Decauville
Fleurette
Fleurs du Mal, Les
Fleury
Flewelling
Flexer
Flexography
Flexowriter
Flexowriter typewriter
Flickertail state
Flicksville
Flieger
Fliegerabwehrkanone
Flight
Flin
Flin Flon
Flinders Island
Flinders Range
Flinders bar
Flindersia
Flinn
Fint
Flinton
Flintshire
Flintstone
Flintville
Flip
Flip-top
Flippin
Flita
Flo
Floating Cloud, The
Flobert
Floydada
Floydale
Flss
Flugelhorn
Fluker
Flushing
Flustra
Flutidae
Fluvanna
Fly River
Flying Dutchman
Flyingh
Flyn
Flynn
Flysch
Fm
Fnen
Fo
FoC
Foah
Foaming Sea
Foamite
Foao Neves da Fontoura
Foch
Focolare Movement
Fodientia
Foecunditatis
Foeniculum
Foerstner bit
Fogarty
Fogel
Fogelsville
Fogertown
Fogg
Foggia
Foism
Foist
Foix
Fokine
Fokker
Fokos
Fola
Folberth
Folcroft
Foley
Folger
Folies Bergeres
Folke Bernadotte
Fonz
Fonzie
Foochow
Foochowese
Food and Drug Administration
Foosland
Foot
Foot Guards
Foote
Footville
For
For Whom the Bell Tolls
Foraker
Foraminifera
Forbes
Forbestown
Forbidden City
Forces
Forcier
Forcipulata
Ford
Fordcliff
Fordham
Fordicidia
Fording
Fordize
Fordized
Fordizing
Fordland
Fordoche
Fords
Fordsville
Fordville
Fordyce
Forefathers’ Day
Foreign Legion
Foreign Relations
Foreland
Forelli
Foreman
Forest
Forest Acres
Forest Grove
Forest Heights
Forest Hill
Forest Hills
Forest Negro
Forest Park
Forest city
Forest of Dean
Forest service
Forestburg
Forestburgh
Forestdale
Forester
Forestian
Forestiera
Foreston
Forestport
Forestville
Forfar
Forficula
Forficulidae
Forgan
Foristell
Forkey
Forkland
Forks
Forksville
Forkunion
Forkville
Forl
Forland
Forli
Forlini
Form
Formalin
Forman
Formenti
Formica
Formicariae
Formicariidae
Formicidae
Formicina
Formicinae
Formicivora
Formicoidea
Formol
Formosa
Formosa Strait
Formosa oolong
Formosan
Formoso
Formosus
Fornacalia
Fornacis
Fornax
Forney
Forneys
Fornof
Forras
Forrer
Forrest
Forrest's Birthday
Forrestal
Forrester
Forreston
Fors fortuna
Forsan
Forsete
Forseti
Forssman
Forst
Forsta
Forsta kammaren
Forster
Forstner bit
Forsyte Saga, The
Forsyth
Forsythe
Forsythia
Fort
Fort Atkinson
Fort Bragg
Fort Casper
Fort Chaffee
Fort Dearborn
Fort Detrick
Fort Dodge
Fort Donelson
Fort Duchesne
Fort Duquesne
Fort Fairfield
Fort Henry
Fort Jefferson
Fort Kearney
Fort Kent
Fort Knox
Fort Lamy
Fort Laramie
Fort Lauderdale
Fort Lee
Fort Madison
Fort McHenry
Fountainhead, The
Fountaintown
Fountainville
Fouqu
Fouque
Fouquet
Fouquier-Tinville
Fouquieria
Fouquieriaceae
Four
Four Horsemen
Four Hundred
Four Hundred, the
Four Noble Truths
Four Quartets
Four Saints in Three Acts
Four Temperaments, The
Four-H Club
Four-h
Four-power
Fourdrinier
Fourier
Fourier analysis
Fourier series
Fourier transform
Fourierian
Fourierism
Fourierist
Fourieristic
Fourierite
Fourme d'Ambert
Fourme de Montbrison
Fourme de Salers
Fourmile
Fournier
Fouroaks
Fourteen Points
Fourteen Points, The
Fourth International
Fourth Republic
Fourth of July
Fourth-of-July orator
Foushee
Fowey
Fowkes
Fowle
Fowler
Fowler flap
Fowler's toad
Fowlerston
Fowleville
Fowlang
Fowlkes
Fowlstown
Fox
Fox Chapel
Fox Lake
Fox Point
Fox Talbot
Foxboro
Foxborough
Foxburg
Foxcroft
Foxe
Foxe Basin
Foxhall
Foxholm
Foxton
Foxtown
Foxtrot
Foxworth
Foy
Foyil
Fr
Fra
Fra Angelico
Fra Filippo Lippi
Fra Mauro
Fraase
Fracastorius
Frackville
Fracticipita
Fraction
Fradin
Fragaria
Frager
Fragilaria
Fragilariaeae
Fragonard
Frakes
Fraktur
Fram
Frame
Frametown
Framingham
Fran
Francaix
France
Francene
Frances
Francesca
Francescatti
Francesco
Francesco Cossiga
Francesco Crucitti
Francesco Damiani
Francestown
Francesville
Franche-Comt
Franchot
Franci
Francic
Francie
Francine
Francis
Francis I
Francis II
Francis Joseph I
Francis Xavier
Francis of Assisi
Francis of Paula
Francis of Sales
Francisca
Franciscan
Franciscan nightshade
Franciscanism
Franciscka
Francisco
Francisco Aguirre
Francisco Fiallos Navarro
Franciscus
Franciska
Franciskus
Franciszek Jaricki
Francitas
Francize
Franck
Francklin
Francklyn
Franckot
Franco
Franco-
Franco-Belgian system
Franco-Prussian War
Franco-american
Franco-annamese
Franco-austrian
Franco-british
Franco-canadian
Franco-chinese
Franco-gallic
Franco-galician
Franco-gaul
Franco-german
Franco-italian
Franco-latin
Franco-lombardic
Franco-mexican
Franco-negroid
Franco-provencal
Franco-prussian
Franco-roman
Franco-russian
Franco-soviet
Franco-spanish
Franco-swiss
Francois
Francois Coli
Francois Duvalier
Francois Giuliani
Francois Guay
Francois Jauffret
Francois Mitterrand
Francois de Menthon
Francoise
Francoism
Francoist
Francomania
Franconia
Franconian
Francophil
Francophile
Francophilia
Francophilism
Francophobe
Francophobia
Francy
Francyne
Franek
Frangi
Franglais
Frangos
Frangulaceae
Frank
Frank Caprice
Frank Carlucci
Frank Deford
Frank Iarossi
Frank Ikard
Frank Simonetti
Frank Viola
Frankclay
Franke
Frankel
Frankenia
Frankeniaceae
Frankenmuth
Frankenstein
Frankenstein monster
Frankenstein's monster
Frankewing
Frankford
Frankfort
Frankfort black
Frankfort on the Main
Frankfurt
Frankfurt am Main
Frankfurt horizontal
Frankfurter
Frankhouse
Frankie
Frankify
Frankish
Frankist
Franklin
Franklin D Roosevelt
Franklin Lakes
Franklin Park
Franklin Square
Franklin cent
Franklin stove
Franklin tree
Franklin's gull
Franklinia
Franklinian
Frankliniana
Franklinic
Franklinism
Franklinist
Franklinization
Free kirk
Free-soil party
Free-soilism
Freeborn
Freeburg
Freeburn
Freechurchism
Freed
Freedman
Freedom
Freedom 7
Freedomites
Freehold
Freekirker
Freeland
Freelandville
Freeman
Freemanspur
Freemason
Freemasonry
Freemon
Freeport
Freer
Freesia
Freesoil
Freestone State
Freetown
Freeunion
Freeville
Freewater
Fregata
Fregatae
Fregatidae
Frege
Fregger
Frei
Frei's disease
Freia
Freiburg
Freiburg im Breisgau
Freida
Freiman
Freistatt
Frejus
Freki and Geri
Frelimo
Frelinghuysen
Fremantle
Fremont
Fremontia
Fremontodendron
Frenatae
French
French Academy
French Cameroons
French Canada
French Canadian
French Community
French Congo
French Equatorial Africa
French Foreign Legion
French Guiana
French Guianan
French Guianese
French Guinea
French India
French Indochina
French Morocco
French North Africa
French Oceania
French Polynesia
French Revolution
French Revolutionary calendar
French Somaliland
French Sudan
French Togoland
French Union
French West Africa
French West Indies
French and English
French and Indian War
French arch
French bean
French bed
French blue
French bread
French bulldog
French chalk
French chop
French coach horse
French cricket
French cuff
French curve
French disease
French door
French doors
French doughnut
French drain
French dressing
French endive
French fake
French flat
French foot
French fried potatoes
French fries
French gray
French harp
French heel
French honeysuckle
French horn
French ice cream
French kid
French kiss
French knickers
French knot
French leave
French letter
French lilac
French literature
French lug
French marigold
French mulberry
French mustard
French navy
French nettle
French nude
French pancake
French pastry
French pitch
French plague
French pleat
French police
French polish
French pox
French roll
French roof
French rose
French school
French seam
French shroud knot
French sixth
French stick
French stick loaf
French system
French tab
French tamarisk
French telephone
French toast
French truss
French twist
French vermouth
French window
French windows
French-born
French-bred
French-built
French-educated
French-fashion
French-grown
French-heeled
French-kiss
French-looking
French-loving
French-made
French-manned
French-minded
French-polish
French-speaking
Frenchboro
Frenchburg
Frenchier
Frenchies
Frenchiest
Frenchification
Frenchified
Frenchify
Frenchifying
Frenchily
Frenchiness
Frenchism
Frenchize
Frenchless
Frenchlick
Frenchly
Frenchman
Frenchmen
Frenchness
Frenchtown
Frenchville
Frenchweed
Frenchwise
Frenchwoman
Frenchwomen
Frenchy
Frendel
Frenel
Frenel formula
Frenghi
Frentz
Freon
Frere
Frere's type
Frerichs
Frescobaldi
Fresison
Fresnel
Fresnel lens
Fresnel mirrors
Fresnel double mirror
Fresno
Fretwell
Freud
Freudberg
Freudian
Freudian fixation
Freudian psychology
Freudian slip
Freudianism
Freudism
Freudist
Frewsburg
Frey
Freyja
Freyah
Freycinetia
Freyja
Freyr
Freyre
Freytag
Fri
Fria
Friant
Friar Minor
Friar Minor Capuchin
Friar Minor Conventual
Friar Preacher
Friar Tuck
Friar minor
Friar preacher
Friars Minor
Fulmis
Fuls
Fulshear
Fulton
Fultondale
Fultonham
Fultonville
Fults
Fultz
Fulup
Fulvi
Fulvia
Fulviah
Fumago
Fumaria
Fumariaceae
Fumio Niwa
Funaria
Funariaceae
Funch
Funchal
Funda
Fundulinae
Fundulus
Fundy
Funfkirchen
Fungales
Fungi Imperfecti
Fungi imperfecti
Fungia
Fungurume
Funje
Funk
Funkia
Funkstown
Funston
Funtumia
Fuquay
Fur
Fur Seal Islands
Furcellaria
Furcraea
Furey
Furfooz
Furfooz man
Furfooz-grenelle
Furgeson
Furiae
Furie
Furies
Furies, the
Furiya
Furlan
Furlani
Furlong
Furman
Furmark
Furnariidae
Furnariides
Furnarius
Furnary
Furnerius
Furness
Furnivall
Furr
Furtek
Furth
Furtwler
Furud
Fury
Fusan
Fusarium
Fusco
Fuseli
Fushih
Fushun
Fusicladium
Fusicoecum
Fusiformis
Fusulina
Fusus
Futabatei
Futura
Future Farmer
Future Farmers of America
Futurism
Futurist
Fuzzy Zoeller
Fyodorova
Fyffe
Fylde
Fyn
Fyodor
Fyzabad
G
G clef
G star
G string
G suit
G’s
G-flat
G-flat major
G-man
G-men
G-note
G-shaped
G-sharp
G-sharp minor
G-string
G-strophanthin
G-suit
G-type
G-type star
GA
GAAP
GAAS
GAB
GADO
GAIA
GAN
GAO
GAR
GARIOA
GAS
GATED
GATT
GATV
GAW
GB
GBA
GBE
GBG
GBH
GBIP
GBJP
GBJ
GBM
GBS
GBT
GBZ
GC
GCA
GCA radar
GCB
GCC
GCD
GCE
GCF
GCI
GCI radar
GCL
GCM
GCMG
GCR
GCS
GCT
GCVO
GCVS
GD
GDB
GDP
GDR
GDS
GE
GECOS
GECR
GEE navigation
GEIS
GEISCO
GEM
GEMS
GEO
GFCI
GFTU
GG
GGP
GH
GHA
GHQ
GHRS
GHZ
GHz
GI
GI Joe
GI bride
GI can
GI shits
GI'd
GI'ing
GI's
GID
GIF
GIGO
GRIPS
GRO
GROPE
GRPMOD
GRS
GS
GSA
GSAT
GSBCA
GSC
GSFC
GSR
GSTS
GT
GTA rocket
GTC
GTE
GTG rocket
GTO
GTS
GTSI
GTT
GU
GUI
GUIDE
GUS
GW
GWEN
GWS
Ga
Gaal
Gaastra
Gab
Gabaon
Gabaonite
Gabar
Gabbai
Gabbaim
Gabbert
Gabbey
Gabbi
Gabbie
Gabbie
Gabbs
Gabby
Gabe
Gabel
Gaberones
Gabes
Gabey
Gabí
Gabie
Gable
Gabler
Gabo
Gabon
Gabonese
Gaboon
Gabor
Gaboriau
Gaborone
Gabriel
Gabriel Videla Gonzales
Gabriela
Gabriele
Gabrieli
Gabriell
Gabriella
Gabrielle
Gabrielli
Gabriellia
Gabriello
Gabrielrache
Gabriels
Gabrielson
Gabriela
Gabrilowitsch
Gabumi
Gabun
Gabunese
Gaby
Gackle
Gad
Gadaba
Gadarene
Gadaria
Gaddafi
Gaddang
Gaddi
Gader
Gadhelic
Gadidae
Gaditan
Gadite
Gadmann
Gadmon
Gadoidea
Gaidano
Gaidropsaridae
Gaige
Gaikwar
Gail
Gaile
Gaillard
Gaillard Cut
Gaillardia
Gainer
Gaines
Gainesboro
Gainestown
Gainesville
Gainor
Gainsborough
Gaiser
Gaiseric
Gaither
Gaithersburg
Gaitskell
Gaius
Gaivn
Gajcur
Gajda
Gakona
Gal
Gala
Galacaceae
Galactia
Galaginae
Galago
Galahad
Galan
Galang
Galanthus
Galanti
Galapagos
Galashiels
Galasyn
Galata
Galatae
Galatea
Galateah
Galati
Galatia
Galatian
Galatians
Galactic
Galatz
Galax
Galaxias
Galaxiidae
Galaxy
Galba
Galbraith
Galbreath
Galbula
Galbulae
Galbulidae
Galbulinae
Galcaio
Galcha
Galchas
Galchic
Gale
Galeao
Galega
Galei
Galeidae
Galen
Galenia
Galenian
Galenic
Galenic medicine
Galenic pharmacy
Galenical
Galenism
Galenist
Galenus
Galeodes
Galeodidae
Galeopithecus
Galeopsis
Galeorhinchis
Galeorhinidae
Galeorhinus
Galer
Galesaurus
Galesburg
Galesville
Galeton
Galeus
Galga
Galgal
Galgulidae
Galibi
Galibis
Galicia
Galician
Galictis
Galidia
Galidictis
Galien
Galik
Galilean
Galilean satellites
Galilean telescope
Galilean transformation
Galilee
Galileo
Galili
Galina
Galinsoga
Galinthias
Galion
Galitea
Galium
Gall
Gall's serrated type
Galla
Gallager
Gallagher
Gallard
Gallas
Gallatin
Gallaudet
Gallaway
Galle
Gallegan
Gallegos
Gallenz
Galleria
Galleriidae
Galley Hill man
Galli
Galli-Curci
Gallia
Gallian
Galliano
Gallic
Gallic Wars
Gallican
Gallican liberties
Gallicanism
Galliccally
Gallice
Gallicisation
Gallicise
Gallicised
Galliciser
Gallicising
Gallicism
Gallicization
Gallicize
Gallicized
Gallicizer
Gallicizing
Gallico
Gallicolae
Gallienus
Galliett
Gallification
Galliformes
Gallify
Galligan
Galligantus
Gallina
Gallinaceae
Gallinacei
Gallinae
Gallinago
Gallinas
Gallinas Point
Gallinula
Gallinulinae
Gallion
Gallipoli
Gallipoli Peninsula
Gallipolis
Gallirallus
Gallitzin
Gallman
Gallo-
Gallo-Rom
Gallo-Romance
Gallo-briton
Gallo-grecian
Gallo-roman
Galloman
Gallomania
Gallomaniac
Galloperdix
Galophile
Galophilism
Gallognobe
Gallognobia
Gallovidian
Galloway
Gallup
Gallup Poll
Gallup poll
Gallupville
Gallus
Gally
Galofalo
Galois
Galois field
Galois theory
Galoisian
Galpagos Islands
Galsworthy
Galt
Galcon
Galtontia
Galtontian
Galtontian theory
Galuppi
Galusha
Galuth
Galva
Galvan
Galvani
Galven
Galveston
Galveston Bay
Galveston plan
Galvin
Galway
Galways
Galwegian
Gama
Gamasidae
Gamasidae
Gamasoidea
Gamay
Gambart
Ganga jal
Gangamopteris
Ganges
Ganges dolphin
Gangetic
Gangtok
Ganguela
Ganiats
Ganley
Gannes
Gannett
Gannie
Gannon
Gannonga
Ganny
Ganocephala
Ganodonta
Ganodus
Ganoidei
Ganowanian
Gans
Gansevoort
Gant
Gantrisin
Gantt
Ganymeda
Ganymede
Ganymedes
Gao
Gaon
Gaonate
Gaonic
Gaons
Gapa
Gaperon
Gapin
Gapland
Gapville
Gar
Garald
Garamas
Garamond
Garand
Garand rifle
Garardsfort
Garate
Garaway
Garbe
Gastrophilus
Gastropoda
Gastrostomus
Gastrotricha
Gat
Gata Kamsky
Gata disease
Gates
Gateshead
Gatesville
Gatewood
Gath
Gatha
Gathard
Gathers
Gathic
Gathings
Gati
Gatian
Gatias
Gatlinburg
Gatling
Gatling gun
Gatow
Gattamelata
Gattman
Gatun
Gatun Lake
Gatzke
Gaucher's disease
Gaucho
Gaud
Gaudeamus igitur
Gaudet
Gaudete
Gaudete Sunday
Gaudete sunday
Gaudette
Gaudette sanday
Gaudibert
Gaudier-Brzeska
Gaugamela
Gaugham
Gauguin
Gauhati
Gaul
Gauldin
Gauleiter
Gaulic
Gaulin
Gaulish
Gaulle
Gaullism
Gaullist
Gault
Gaultheria
Gaultier
Gaunt
Gauntlett
Gaura
Gauri
Gaurian
Gauricus
Gause
Gausman
Gauss
Gauss law
Gauss plane
Gauss' law
Gauss' lemma
Gauss's law
Gaussian
Gaussian curve
Gaussian distribution
Gaussian domain
Gaussian image
Gaussian image point
Gaussian integer
Gaut
Gautama
Gautama Buddha
Gautea
Gauthier
Gautier
Gautious
Gav
Gavan
Gaven
Gavette
Gavia
Gaviae
Gavialis
Gaviiformes
Gavin
Gavini
Gavle
Gavra
Gavrah
Gavriella
Gavrielle
Gavrila
Gavrolla
Gaw
Gawain
Gawen
Gawlas
Gawra
Gay
Gay Gordons
Gay Nineties
Gay-Lussac
Gay-Lussac's law
Gay-Pay-Oo
Gay-lussac
Gay-pay-oo
Gaya
Gaye
Gayel
Gayelord
Gayl
Gayla
Gayle
Gayleen
Gaylene
Gayler
Gaylesville
Gaylor
Gaylord
Gaylordsville
Gaylussacia
Gayn
Gayner
Gaynor
Gayomart
Gaypoo
Gays
Gaysville
Gayville
Gaza
Gaza Strip
Gazania
Gazankulu
Gazella
Gaziantep
Geelong
Geelvink Bay
Geer
Geerts
Geesey
Geez
Gefell
Gefen
Geff
Geffner
Gegenschein
Geheimrat
Gehenna
Gehlbach
Gehman
Gehrig
Geibel
Geidar Aliev
Geier
Geiger
Geiger counter
Geiger threshold
Geiger tube
Geiger-Klemperer counter
Geiger-Muller counter
Geiger-counter telescope
Geigertown
Geigy
Geikia
Geikie
Geilich
Geis
Geisel
Geisenheimer
Geismar
Geiss
Geissler tube
Geissoloma
Geissolomataceae
Geissolomataceous
Geissorhiza
Geist
Geistesgeschichte
Geistown
Geithner
Gekko
Gekkones
Gekkonidae
Gekkota
Gel
Gela
Gelanor
Gelasia
Gelasian
Gelasias
Gelasimus
Gelasius
Gelasius I
Gelasius II
Gelastocoridae
Gelb
Geldens
Gelderland
Gelechia
Gelechiidae
Gelee
Gelene
Gelett
Gelfomino
Gelhar
Gelibolu
Gelidiaceae
Gelidium
Geller
Gellert
Gellert green
Gelligaer
Gellman
Gelman
Gelonus
Gelsemium
Gelsenkirchen
Gelugpa
Gelya
Gemara
Gemaric
Gemarist
Gemina
Gemini
Geminian
Geminian
Geminid
Geminus
Gemitores
Gemma
Gemmell
Gemmingia
Gemoets
Gemperle
Gemuetlichkeit
Gemutlichkeit
Gen
Gena
Genaro
Gene
Gene Keady
Gene Shue
Gene Ubriaco
Geneautry
Geneen
Geneina
General Accounting Office
General American Speech
General Assembly
General Certificate of Education
General Court
General Post Office
General Postal Union
General Services Administration
General Synod
Generalidad
Generalira Eaker
Genesa
Genesco
Geneseel
Geneseo
Genesia
Genesiae
Genesiacal
Genesis
Genesitic
Genet
Genetrix
Genetta
Genetyllis
Geneura
Geneva
Geneva Convention
Geneva bands
Geneva bands Geneva cloak
Geneva cross
Geneva gown
Geneva nomenclature
Geneva-cross
Geneva-cross movement
Genevan
Geneve
Genevese
Genevi
Genevieve
Genevois
Genevra
Genf
Genfersee
Geng Biao
Genghis Khan
Gengkow
Genia
Genie
Genipa
Genisia
Genista
Gemtrix
Genk
Genl
Genna
Gennaro
Gennevilliers
Gemni
Gennie
Gennifer
Genny
Geno
Genoa
Genoa cake
Genoa jib
Genoese
Genoese lottery
Genolla
Genova
Genovera
Genovese
Genoveva
Gensan
Genseric
Gensler
Gensmer
Gent
Gentes
Gentiana
Gentianaceae
Gentianales
Gentile
Gentilis
Gentille
Gentleman Usher of the Black Rod
Gentoo
Gentoos
Gentry
Gentryville
Genucius
Genvieve
Genyophrynidae
Geo
Geococcyx
Geof
Geoff
Geoff Bodine
Geoff Huston
Geoffrey
Geoffrey of Monmouth
Geoffry
Geoglossaceae
Geoglossum
GeolE
Geometridae
Geometrina
Geometroidea
Geomyidae
Geomys
Geon
Geonic
Geonim
Geonoma
Geophila
Geophilidae
Geophilus
Geophone
Geoplanar
Geoplanidae
Geopolitik
Geoprunnon
Georan Gentele
Georas
Geordie
Georg
Georgadjis
Georgann
George
George Ahmaogak
George Argyros
George Ariyoshi
George Balanchine
George Beall
George Crile
George Cross
George Deukmejian
George Fox
George Grivas
George I
George II
George III
George IV
George Irvine
George Seifert
George Town
George V
George VI
George Washington
George de Mohrenschildt
George's cross
Georgeanna
Georgeanne
Georged
Georgemas
Georgena
Georgene
Georges
Georges Bank
Georges Bertoncini
Georgescu Alexandru
Georgesman
Georgesmen
Georgeta
Georgetown
Georgetta
Georgette
grelette crepe
Georgi
Georgi Dimitrov
Georgia
Georgia bark
Georgia pine
Georgian
Georgian Bay
Georgiana
Georgianna
Georgianne
Georgics, The
Georgie
Georgina
Georgine
Georgius
Georgiana
Georgy
Georgy Arbatov
Georgy Beregovoy
Georgy Dobrovolsky
Geospiza
Geoteuthis
Geothlypis
Gepeoo
Gephyrea
Gepidae
Gepp
Ger
Gera
Geraint
Gerald
Gerald Baliles
Geralda
Geraldina
Geraldine
Geraldton
Geraniaceae
Geraniales
Geranium
Geranomorphae
Gerar
Gerard
Gerardo
Gerasene
Geraud
Gerbatka
Gerber
Gerbera
Gerberia
Gerbillinae
Gerbillus
Gerbold
Gerd
Gerd Heidemann
Gerda
Gerdeen
Gerdi
German coach horse
German cockroach
German ivy
German knot
German lapis
German measles
German police dog
German shepherd
German shepherd dog
German short-haired pointer
German siding
German silver
German sixth
German text
German tinder
German wire-haired pointer
German-american
German-built
German-english
German-french
German-hungarian
German-italian
German-jewish
German-made
German-owned
German-palatine
German-speaking
German-swiss
Germana
Germanesque
Germanhood
Germania
Germanic
Germanic deities
Germanical
Germanically
Germanics
Germanicus Caesar
Germanification
Germanify
Germanisation
Germanise
Germanised
Germaniser
Germanish
Germanising
Germanism
Germanist
Gheg
Ghegish
Ghelderode
Ghent
Gheorghe
Gherardi
Gherardo
Gherlein
Ghibelline
Ghibellinism
Ghiberti
Ghilzai
Ghiordes
Ghiordes knot
Ghirlandaio
Ghirlandajo
Ghiselin
Gholam Reza Azhari
Ghosts
Ghuz
Gi
Gia Lam
Gia Nghia
Giacamo
Giacinta
Giacobo
Giacometti
Giacomo
Giacomuzzo
Giacopo
Giai
Giaimo
Giano
Gian
Giana
Gianina
Gianna
Gianni
Gianni
Giannini
Giansar
Giant hunter
Giant killer
Giant's Causeway
Giardia
Giarla
Giauque
Giavani
Gib
Giesser
Giff
Giffard
Giffer
Gifferd
Giffie
Gifford
Giffy
Gifola
Gifu
Gigante
Gigantes
Gigantopithecus
Gigantosaurus
Gigantostraca
Gigartina
Gigartinaceae
Gigartinales
Gigi
Gigle
Gigli
Giglio
Gignac
Giguere
Gij
Gijon
Gil
Gila
Gila Bend
Gila apache
Gila monster
Gila woodpecker
Gilaki
Gilba
Gilbart
Gilbert
Gilbert Grandval
Gilbert Gude
Gilbert Islands
Gilbert and Ellice Islands
Gilberta
Gilberte
Gilbertese
Gilbertian
Gilbertianism
Gilbertina
Gilbertine
Gilberto
Giuba
Giuditta
Giuki
Giukung
Giuile
Giulia
Giuliana
Giuliano
Giulietta
Giulini
Giulio
Giulio Andreotti
Giulio Romano
Giumarra Vineyard
Giuseppe
Giustina
Giustino
Giusto
Given
Giverin
Givors-Badan
Giza
Gizeh
Gizela
Gizo
Gjellerup
Gjuki
Gjukung
Gk
Gl
Glaab
Glaber
Glace
Glacial
Glacier National Park
Glackens
Glad
Glad Tidings
Gladbeck
Gladbrook
Gladdie
Gladdy
Gladeville
Gladewater
Gladi
Gladine
Gladis
Gladsheim
Gladstone
Gladstone bag
Gladstone claret
Gladstone wine
Gladstonian
Gladstonianism
Gladwin
Gladwyne
Glady
Gladys
Glafcos Clerides
Glagol
Glagolic
Glagolitic
Glagolitsa
Glaisher
Glamorgan
Glamorganshire
Glan-Thompson prism
Glandorf
Glaniostomi
Glanti
Glantz
Glanville
Glareola
Glareolidae
Glarum
Glarus
Glasco
Glaser
Glaserian
Glasford
Glasgo
Glasgow
Gaspell
Glass
Glass Menagerie, The
Glassboro
Glassco
Glasser
Glassite
Glassman
Glassport
Glasston
Glastonbury
Glastonbury chair
Glaswegian
Glathsheim
Glaubersalt
Glauber'ssalt
Glaucia
Glaucidium
Glaucionetta
Glaucium
Glaucomyss
Glauconia
Glauconiidae
Glaucopis
Glaucus
Glaudia
Glauke
Glaux
Glavin
Glazunoff
Glazunov
Gld
Gle
Gleason
Glecoma
Gleda
Gleditsia
Glee
Gleeson
Gleich
Gleipnir
Glewitz
Gleizes
GlekBogaz
Glen
GlenAlbyn
GlenBeall
GlenCove
GlenMore
GlenRidge
GlenSather
Glenallan
Glenallen
Glenarbor
Glenarm
Glenaubrey
Glenbeulah
Glenbrook
Glenburn
Glenburnie
Glencairn Cycle
Glencarbon
Glenciff
Glencoe
Glencross
Glenda
Glendale
Glendaniel
Glendean
Glenden
Glendive
Glendo
Glendon
Glendora
Glendower
Gleneaston
Glenecho
Gleneider
Glennell
Glennellyn
Glennferris
Glennfield
Glennflora
Glennford
Glengarry
Glengary
Glenham
Glennhayes
Glennhead
Glenice
Glenine
Glenis
Glennjean
Glently
Glennmont
Glennlyn
Glennmoore
Glennmora
Glennmorgan
Glenn
Glenna
Glennallen
Glendale
Glennie
Glennis
Glennon
Glennon
Glennville
Glendor
Glenna
Glennoma
Glenpool
Glenrio
Glenrose
Glenrothes
Glens Falls
Glenshaw
Glenside
Glenspey
Glentana
Glennullin
Glenus
Glenview
Glenvil
Glenville
Glenwhite
Glenwild
Glenwillard
Glenwilton
Glenwood
Glenwood Springs
Glenyss
Glessariae
Glhwein
Glialentn
Glachingen
Glick
Gliidden
Gliere
Gliimp
Gliinka
Glinys
Gliires
Gliiridae
Gliriformia
Glis
Glitnir
Glitz
Glivare
Glivice
Globe
Globe Theatre
Globicephala
Globigerina
Globigerinidae
Globiocephalus
Globularia
Globulariaceae
Gloeocapsa
Gloeosporium
Glogau
Gloiopeptis
Gloiosiphonia
Gloiosiphoniaceae
Glomerella
Glomma
Glooscap
Glori
Gloria
Gloria Patri
Gloria in Excelsis
Gloria in Excelsis Deo
Gloriana
Gloriane
Gloriann
Glorianna
Glorie
Glorieta
Gloriosa
Glorious Revolution
Glorious Twelfth
Glory
Glos
Glossa
Glossata
Glossina
Glossiphonia
Glossiphonidae
Glossophaga
Glossophora
Glossopteris
Glossotherium
Gloster
Gloucester
Gloucester cheese
Gloucestershire
Glouster
Glover
Glover tower
Gloversville
Gloverbille
Glovsky
Gloxinia
Gluck
Glumaceae
Glumales
Glumiflorae
Gluneamie
Glux
Glyceria
Glycine
Glyconian
Glyconic
Glycyrrhiza
Glyn
Glynas
Glynda
Glyndon
Glynias
Glynis
Glynn
Glynne
Glynnis
Glyptodon
Glyptodontidae
Glyptotherium
Gm
Gmat
Gmc
Gmelina
Gmur
Gnaeus
Gnaphalium
Gnaphalium green
Gnatho
Gnathobdellae
Gnathobdellida
Gnathopoda
Gnathostoma
Gnathostomata
Gnathostomi
Gnesdilov
Gnesen
Gnesio-lutheran
Gnetaceae
Gnetales
Gnetum
Gniezno
Gnii
Gnomonia
Gnomoniaceae
Gnossian
Gnossus
Gnostic
Gnosticise
Gnosticised
Gnosticiser
Gnosticising
Gnosticism
Gnosticize
Gnosticized
Gnosticizer
Gnosticizing
Go-no-further
Goa
Goa powder
Goajiro
Goala
Goalundo
Goan
Goanese
Goanese ipecac
Goar
Goasila
Goat
Goat star
Gobat
Gobbi
Gobelin
Gobelin blue
Gober
Gobert
Gobi
Gobia
Gobian
Gobiesocidae
Gobiesox
Gobiidae
Gobiiformes
Gobinism
Gobinist
Gobio
Gobioidea
Gobioidei
Gobler
Gobles
Goclenian
Goclenian sorites
Goclenius
God
God Almighty
God bless
God bless me
God bless you
God damn it
God forbid
God grant
God knows
God knows where
God only knows
God save
God the Father
God the Holy Ghost
God the Son
God tree
God willing
God's Word
God's acre
God's board
God's country
God's eldest daughter
God's first creature
God's handwriting
God's image
God's kingdom
God's mark
God's penny
God's plenty
God's presence
God's residence
God's second mistake
God's throne
God's truth
God's will
God-adoring
God-awful
God-begot
God-begotten
God-beloved
God-bless
God-built
God-conscious
God-consciousness
God-created
God-cursed
God-descended
God-empowered
God-enlightened
God-entrusted
God-fearing
God-fearing man
God-forsaken
God-free
Godfrey
Godfrey Binaisa
Godfry
Godful
Godful
Godhead
Godin
Godiva
Godley
Godliman
Godolias
Godolphin
Godowsky
Godred
Godric
Godrich
Gods
Godsake
Godspeed
Godthaab
Godunov
Godward
Godwards
Godwin
Godwin Austen
Godwine
Godwinian
Goebbels
Goebel
Goeger
Goehner
Goemagot
Goemot
Goer
Goering
Goerke
Goerlitz
Goes
Goeselt
Goessel
Goetae
Goethals
Goethe
Goethean
Goethian
Goetz
Goetzville
Goff
Goffstown
Gog
Gog and Magog
Goggin
Gogh
Goglidze
Gogo
Gogol
Goldenmouth
Goldfarb
Goldfield
Goldfinch
Goldi
Goldia
Goldic
Goldie
Goldin
Goldina
Golding
Goldman
Goldmark
Goldner
Goldoni
Goldonian
Goldonna
Goldovsky
Goldrun
Goldsboro
Goldschmidt
Goldshell
Goldshlag
Goldsmith
Goldstein
Goldstein-Sheerer test
Goldstine
Goldston
Goldsworthy
Goldthwaite
Goldvein
Goldwasser
Goldwater
Goldwin
Goldwyn
Goldwynism
Goldy
Goles
Goleta
Golf Manor
Golfe du Lion
Golgi
Golgi apparatus
Golgi body
Golgotha
Goliad
Goliard
Goliardic verse
Goliath
Golightly
Goll
Gollin
Golliner
Golo
Golschmann
Golter
Goltry
Golts
Goltz
Golub
Golva
Goma
Gomar
Gomarian
Gomarist
Gomarite
Gombach
Gomberg
Gombosi
Gomeisa
Gomel
Gomer
Gomez
Gomontia
Gomorrah
Gomorrean
Gomorrha
Gomorrhean
Gompers
Gomphocarpus
Gompholobium
Gomphrena
Gomulka
Gona
Gonagle
Gonaives
Gonave
Goncharov
Goncourt
Goncourt laureate
Goncourt prize
Gond
Gondar
Gondi
Gondomar
Gondwana
Gondwana land
Gondwana system
Gondwanaland
Gone
Gone With the Wind
Goneril
Gongola
Gongoresque
Gongorism
Gongorist
Gongoristic
Goniaster
Goniatites
Goniatitidae
Gonick
Goniadoridae
Goniadorididae
Goniadoris
Goniopholidae
Goniopholis
Gonium
Gonnella
Gonolobus
Gonoff
Gonsalve
Gonta
Gonvick
Gonyea
Gonystylaceae
Gonystylus
Gonzales
Gonzalez
Gonzalo
Gonzlez
Goober
Gooch
Goochland
Good
Good Book
Good Book, the
Good Earth, The
Good Friday
Good Hope
Good King Henry
Good Neighbor Policy
Good News
Good Samaritan
Good Shepherd
Good Tidings
Good conduct medal
Good friday
Good-King-Henries
Good-King-Henry
Good-friday grass
Good-king-henry
Goodacre
Goodard
Goodden
Goode
Goodell
Goodenia
Goodeniaceae
Goodenoviaeae
Goodfield
Goodhen
Goodhope
Goodhue
Goodill
Gooding
Goodkin
Goodland
Goodlettsville
Goodman
Goodrich
Goodrow
Goodson
Goodspeed
Goodview
Goodville
Goodwater
Goodway
Goodwell
Goodwin
Goodwin Sands
Goodwine
Goody
Goodyear
Goodyera
Googins
Goole
Goop
Goose Bay
Goossens
Gopher State
Gor
Gora
Gorakhpur
Goran
Goran Ivanisevic
Goraud
Gorbals
Gorborough
Gorchakov
Gord
Gord Kluzak
Gordan
Gorden
Gordiacea
Gordian
Gordian knot
Gordie
Gordiidae
Gordioidea
Gordius
Gordo
Gordon
Gordon setter
Gordonia
Gordonsville
Gordonville
Gordy
Gordyaean
Gore
Goree
Goren
Goreville
Gorey
Gorga
Gorgas
Gorges
Gorgias
Gorgon
Gorgon-headed
Gorgonacea
Gorgonia
Gorgoniacea
Gorgonian
Gorgonzola
Gorgonzola cheese
Gorgonzola hall
Gorgophone
Gorgosaurus
Gorgythion
Gorham
Gorica
Gorilla land
Gorin
Goring
Gorizia
Gorkhali
Gorki
Gorkiesque
Gorky
Gorlicki
Gorlin
Gorlitz
Gorlovka
Gorman
Gormania
Gorno-Altai Autonomous Region
Gorrian
Gorrano
Gorsedd
Gorski
Gorton
Gortonian
Gortonite
Gortys
Gorum
Gorz
Gosala
Goshen
Goshen hardhack
Goslar
Gosnell
Gosney
Gospel
Gospel side
Gospels
Gosplan
Gosport
Goss
Gossaert
Gossart
Gosse
Gosselin
Gosser
Gossypium
Gotama
Gotcher
Gotebo
Goteborg
Goth
Gotha
Gotham
Gothamite
Gothar
Gothard
Gothart
Gothenburg
Gothic
Gothic arch
Gothic armor
Gothic novel
Gothically
Gothicise
Gothicised
Gothiciser
Gothicising
Gothicism
Gothicist
Gothicity
Gothicize
Gothicized
Gothicizer
Gothicizing
Gothicness
Gothish
Gothism
Gothlander
Gothonic
Gothurd
Gotiglacial
Gotland
Gottlander
Goto
Gott
Gott mit uns
Gotterdammerung
Gottfried
Gottfried von Strassburg
Gotthard
Gotthelf
Gottingen
Gottland
Gottlander
Gottlieb
Gottschalk
Gottuard
Gottwald
Gotz
Goucher
Gouda
Gouda cheese
Goudeau
Goudy
Gough
Goujon
Gould
Gouldbusk
Goulden
Goulder
Goulds
Gouldsboro
Goulet
Goulette
Gounod
Goura
Gourdine
Gourinae
Gourmont
Gournay
Gournia
Gouvrneur
Gov
Gove
Governador Valadares
Government Operations
Government Printing Office
Governor Winthrop desk
Governors Island
Govt
Gow
Gowanda
Gowen
Gower
Gowon
Gowrie
Goya
Goyana
Goyen
Goyetian
GpE
Gr
Graaf
Graaff de Villiers
Graafian
Graafian follicle
Grabill
Gracchus
Grace
Gracemont
Graces
Graces, the
Graceville
Gracewood
Gracey
Gracia
Gracie
Gracemont
Gracilaria
Graciliidae
Graculus
Gracey
Grade A
Grade B movie
Gradeigh
Gradey
Gradgrind
Gradgrindian
Gradgrindish
Gradgrindism
Gradientia
Grados
Gradual
Grady
Gradyville
Grae
Graeae
Graecia Magna
Graecise
Graecised
Graecising
Graecism
Graecize
Graecized
Graecizing
Graeco-
Graeco-Roman
Graeculus
Graeffe method
Graehl
Graehme
Graeme
Graettinger
Graf
Graf Zeppelin
Grafen
Graff
Graffias
Graford
Grafton
Gragano
Graham
Graham Land
Graham's law of diffusion
Grahame
Grahamsville
Grahn
Graiae
Graian
Graian Alps
Graiba
Graig
Grail
Grainfield
Grainger
Grallae
Grallatores
Grallina
Gram
Gram's Method
Gram's method
Gram's solution
Gram-Schmidt orthogonalization
Gram-fast
Gram-negative
Gram-positive
Grambling
Gramercy
Graminaceae
Gramineae
Gramling
Grammatophyllum
Grammontine
Grammos
Gramont
Gramophone
Grampian
Grampian Hills
Grampian Mountains
Grampian Region
Grampians
Gran
Gran Canaria
Gran Chaco
Gran Paradiso
Gran chimu
Grana
Grana Lombardo
Grana Reggiano
Granada
Granadine
Granados
Granbury
Granby
Grand
Grand Army of the Republic
Grand Bahama
Grand Bank
Grand Banks
Grand Canal
Grand Canyon
Grand Canal National Park
Grand Champagne
Grand Coulee
Grand Duchy of Moscow
Grand Duchy of Muscovy
Grand Duke Jean
Grand Falls
Grand Fine Champagne
Grand Forks
Grand Guignol
Grand Island
Grand Lama
Grand Ledge
Grand Manan
Grand Marais
Grand Marnier
Grand Master
Grand Mufti
Grand National
Grand National Assembly
Grand Old Party
Grand Penitentiary
Grand Pr
Grand Prairie
Grand Prix
Grand Prixes
Grand Rapids
Grand Remonstrance
Grand River
Grand Teton National Park
Grand Turk
Grand guignol
Grand-guignolism
Grande
Grande Chartreuse, La
Grande Jatte, La
Grande Prairie
Grande-Terre
Grandgent
Grandisonian
Grandisonianism
Grandma Moses
Grandmontine
Grands Prix
Grandview
Grandview Heights
Grandville
Grane
Graner
Granese
Grange
Grangemouth
Granger
Grangeville
Grangousier
Grani
Grania
Graniah
Granicus
Granicus River
Graniela
Granite State
Granite city
Graniteville
Granjon
Granlund
Grannia
Granniah
Grannias
Grannie
Granny
Granny Smith
Granoff
Granolith
Granollers
Grant
Grant Fuhr
Grant Gondrezick
Grant Sahib
Granta
Granth
Grantha
Grantham
Grantherm
Grantia
Grantiidae
Grantland
Grantley
Granton
Grantorto
Grants
Grants Pass
Grantsboro
Grantsburg
Grantsdale
Grantsville
Grantstown
Grantville
Granville
Granville-Barker
Grapeland
Grapes of Wrath, The
Grapeview
Grapeville
Grapevine
Graphalloy
Graphidiaceae
Graphiola
Graphis
Graphium
Graphophone
Graphotype
Grappelli
Grapsidae
Grapsus
Grapta
Graptolitha
Graptolithida
Graptolithina
Graptolitoidea
Graptoloidea
Grasmere
Grasonville
Grass
Grasse
Grassi
Grassman
Grassman's law
Grassmann's law
Grasston
Grata
Grath
Grati
Gratia
Gratia dei
Gratiae
Gratian
Gratiana
Gratianna
Gratiano
Gratiola
Gratiot
Graton
Gratt
Grattan
Gratz
Grau San Martin
Graubden
Graubert
Graubunden
Graustark
Graustarkian
Gravante
Gravelly
Gravenhage
Gravenstein
Graves
Graves' disease
Gravesend
Gravette
Gravettian
Gravigrada
Gravity
Gravolet
Grawn
Gray
Gray Friar
Gray Lady
Gray code
Gray's Inn
Graybill
Grayce
Graycourt
Graydon
Grayland
Grayling
Graymont
Grayslake
Grayson
Grayson lily
Graysville
Graytown
Grayville
Graz
Grazia
Greabe
Grearson
Great
Great Abaco
Great Ajax
Great Australian Bight
Great Awakening
Great Barrier Reef
Great Barrington
Great Basin
Great Bear
Great Bear Lake
Great Belt
Great Bend
Great Britain
Great Daedala
Great Dane
Great Depression
Great Divide
Great Dividing Range
Great Dog
Great Entrance
Great Expectations
Great Falls
Great Gatsby, The
Great Glen
Great God Brown, The
Great Idaean Mother
Great Indian Desert
Great Karoo
Great Khingan
Great Lakes
Great Leap Forward
Great Miami
Great Mogul
Great Mother
Great Neck Estates
Great Neck Plaza
Great Ouse
Great People's Khural
Great Plague
Great Plains
Great Power
Great Pyrenees
Great Rebellion
Great Rift Valley
Great Russian
Great Salt Desert
Great Salt Lake
Great Sandy Desert
Great Sanhedrin
Great Schism
Great Scott
Great Slave Lake
Great Slave River
Great Smokies
Great Smoky Mountains
Great Society
Great Spirit
Great St Bernard Pass
Great Sunday
Great Synagogue
Great Trek
Great Unwashed
Great Victoria Desert
Great Vowel Shift
Great Wall of China
Great War
Great Week
Great White Father
Great White Way
Great Yarmouth
Great and General Council
Great sunday
Great-Power
Greater
Greater Antilles
Greater London
Greater Manchester
Greater Sunda Islands
Greats
Greb
Grebenau
Grebo
Grecia
Grecian
Grecian bend
Grecian profile
Grecianize
Grecise
Grecised
Grecising
Grecism
Grecize
Grecized
Grecizing
Greco
Greco-
Greco-Italic
Greco-Persian Wars
Greco-Roman
Greco-Roman wrestling
Greco-american
Greco-asiatic
Greco-buddhist
Greco-bulgarian
Greco-cretan
Greco-egyptian
Greco-hispanic
Greco-iberian
Greco-latin
Greco-macedonian
Greco-mohammedan
Greco-oriental
Greco-persian
Greco-phoenician
Greco-phrygian
Greco-punic
Greco-roman
Greco-sicilian
Greco-trojan
Greco-turkish
Grecomania
Grecomaniac
Grecophil
Gredel
Greece
Greek
Greek Anthology, The
Greek Catholic
Greek Church
Greek Corinthian
Greek Ionic
Greek Kalends
Greek Orthodox
Greek Orthodox Church
Greek Revival
Greek Revivalism
Greek Revivalist
Greek bread
Greek calends
Greek cross
Greek fire
Greek gods
Greek juniper
Greek lace
Greek modes
Greek point
Greek rite
Greek theater
Greek to one
Greek tragedy
Greek valerian
Greek-cross plan
Greek-letter fraternity
Greek-letter society
Greek-letter sorority
Greekdom
Greekery
Greekess
Greekish
Greekism
Greekist
Greekize
Greekless
Greekling
Greeley
Greeleyville
Greely
Green
Green Bay
Green Beret
Green Berets
Green Cloth
Green Cove Springs
Green Cross Code
Green Dragon
Green Island
Green Mansions
Green Mountain Boys
Green Mountain State
Green Mountains
Green Pastures, The
Green River
Green cloth
Green's theorem
Greenaway
Greenback
Greenback Party
Greenback party
Greenback-labor party
Greenbacker
Greenbackism
Greenbackville
Greenbank
Greenbelt
Greenberg
Greenblatt
Greenbriar
Greenbrier
Greenburg
Greenbush
Greencastle
Greencloth
Greendale
Greendell
Greene
Greenebaum
Greenes
Greeneville
Greenfield
Greenford
Greenhalgh
Greenhall
Greenhills
Greenhurst
Greenland
Greenland Sea
Greenland whale
Greenland's icy mountains
Greenlander
Greenlandic
Greenlandish
Greenlandman
Greenlane
Greenlawn
Greenleaf
Greenlee
Greenman
Greenock
Greenough
Greenport
Greenquist
Greensboro
Greensburg
Greensea
Greenstein
Greentown
Greentree
Greenup
Greenvale
Greenview
Greenville
Greenville North
Greenwald
Greenway
Greenwell
Greenwich
Greenwich Mean Time
Greenwich Time
Greenwich Village
Greenwich civil time
Greenwich hour angle
Greenwich mean time
Greenwich stars
Greenwich time
Greenwich village
Greenwood
Greer
Greerson
Greeson
Grefe
Grefer
Greff
Greg
Greg Ballard
Greg Cadaret
Greg Dreiling
Greg Gagne
Greg Ladehoff
Greg Louganis
Greg Lukenbill
Greg Swindell
Grega
Gregarina
Gregarinae
Gregarinaria
Gregarinida
Gregarinina
Gregarinoidea
Gregg
Greggory
Greggs
Gregoire
Gregoor
Gregor
Gregorian
Gregorian calendar
Gregorian chant
Gregorian mode
Gregorian telescope
Gregorian tone
Gregorian water
Gregorianist
Gregorianize
Gregorianizer
Gregorio
Gregorio Honasan
Gregorius
Gregory
Gregory I
Gregory II
Gregory III
Gregory IV
Gregory IX
Gregory Thaumaturgus
Gregory V
Gregory VI
Gregory VII
Gregory VIII
Gregory X
Gregory XI
Gregory XII
Gregory XIII
Gregory XIV
Gregory XV
Gregory XVI
Gregory of Nazianzus
Gregory of Nyssa
Gregory of Tours
Gregory
Gregson
Greig
Greimmerath
Greiner
Grekin
Grenache
Grenada
Grenadian
Grenadier Guards
Grenadines
Grendel
Grenelle
Grenelle man
Grenet battery
Grenfell
Grenier
Grenloch
Grenoble
Grenola
Grenora
Grenville
Grenz ray
Gresham
Gresham's law
Gressoria
Greta
Gretal
Gretchen
Grete
Gretel
Grethel
Gretna
Gretna Green
Gretna Green wedding
Gretna green
Gretna green marriage
Gretry
Gretta
Greuze
Grevera
Greville
Grevillea
Grew
Grewia
Grewitz
Grey
Grey Friar
Greybull
Greycliff
Greyiaceae
Greynville
Greyso
Greyson
Greysun
Gricault
Grider
Gridley
Grieg
Grier
Grierson
Grieve
Griff
Griffes
Griffie
Griffin
Griffis
Griffith
Griffiths
Griffithsville
Griffithville
Griffon
Griffy
Grifton
Griggs
Griggsville
Grigioni
Grignard
Grignard reaction
Grignard reagent
Grignolino
Grigson
Grikwa
Grilikhes
Grillparzer
Grim
Grim Reaper
Grimaldi
Grimaldi man
Grimaldi race
Grimaldian
Grimaud
Grimbal
Grimbald
Grimbly
Grimes
Grimes Golden
Grimes Grave
Grimesland
Grodno
Groenendaal
Groesbeck
Groesz
Groete
Grof
Grofe
Grogan
Groh
Groland
Grolier
Grolieresque
Gromia
Gromme
Gromyko
Gronchi
Grondin
Groningen
Gronseth
Groome
Groos
Groot
Groote
Grootfontein
Gropius
Gropper
Grory
Gros
Gros michel
Gros ventre
Grosberg
Groscher
Grose
Grosmark
Gross
Gross Clinic, The
Grosse
Grosse Tete
Grosseile
Grosset
Grosseteste
Grossetete
Grossman
Grossularia
Grossulariaceae
Grosswardein
Grosvenor
Grosvenor Square
Grosvenordale
Grosz
Grote
Grotesk
Grotewohl
Grotian
Grotianism
Grotius
Groton
Grottoes
Grouchy
Ground Observer Corps
Groundhog Day
Grounds
Grous
Grove
Groveland
Groveman
Grover
Grovertown
Groves
Groveton
Grovetown
Grow
Growth of the Soil
Grozny
Grub Street
Grub Street writer
Grub street
Grubb
Grubbs
Grube
Gruber
Grubman
Grubrus
Grubstreet
Grubville
Gruchot
Gruemberger
Gruenberg
Grues
Gruetli
Gruhenwald
Gruidae
Gruiformes
Gruis
Gruithuisen
Gruilla

Open Source Used In CSPC_Collector 2.9.1 17835
Grumbletonian
Grumello
Grumium
Grummian
Grunberg
Grundified
Grundlov
Grundy
Grundyism
Grundyist
Grundyite
Grunenwald
Grunewald
Grunitsky
Grunth
Grupa Gorna
Grus
Grusian
Grusinian
Grussing
Gruver
Gruyere
Gruyor Gruy
Gruyre
Grygla
Gryllidae
Gryllotalpa
Gryllus
Grynaeus
Gryphaea
Gryphosaurus
Grypothierium
Gs
Gschu
Gta
Gteborg
Gterdmerung
Gtersloh
Gtingen
Guachanama
Guacho
Guacico
Guadagnini
Guadalajara
Guadalcanal
Guadalquivir
Guadalupe
Guadalupe Hidalgo
Guadalupe Mountains
Guadalupe palm
Guadalupita
Guadeloup
Guadeloupe
Guadiana
Guafio
Guage
Guaharibo
Guahiban
Guahiban
Guahibo
Guahivo
Guaira
Guajira Peninsula
Gualaca
Gualala
Gualaterio
Gualtiero
Guam
Guamanian
Guana
Guanabara
Guanajuato
Guanche
Guanica
Guantanamo
Guantnamo
Guapor
Guapore
Guaque
Guarani
Guaranian
Guaranies
Guaranis
Guaraunan
Guarauno
Guardafui
Guardi
Guardia
Guardia Calderon
Guards
Guarea
Guarini
Guarino
Guarneri
Guarneriuses
Guarnieri
Guarrau
Guaruan
Guastalline
Guasti
Guat
Guatemala
Guatemala City
Guatemalan
Guatemaltecan
Guato
Guatoan
Guatusan
Guatuso
Guauanok
Guayama
Guayaniil
Guayanilla
Guayaqui
Guayaquil
Guaycuru
Guaycuruan
Guaymas
Guaymie
Guaynabo
Guayule
Guazuma
Gubbin
Gubbrud
Gude
Gudea
Gudermannian
Gudmundsson
Gudren
Gudrin
Gudrun
Gudrun Ensslin
Guedalla
Guelders
Guelf
Guelfic
Guelfism
Guelph
Guelphic
Guelphish
Guelphism
Guendolen
Guenevere
Guenna
Guidonian syllables
Guidotti
Guienne
Guignardia
Guignet's green
Guilandina
Guilbert
Guild
Guilderland
Guildford
Guilford
Guillemot
Guillain Barre Syndrome
Guillaume
Guillaume de Lorris
Guillema
Guillemette
Guillen
Guillerme
Guillerme Endara
Guillerme Ford
Guillerme Garcia Ponte
Guimar
Guimond
Guin
Guinda
Guinea
Guinea Bissau
Guinea Current
Guinea corn
Guinea green
Guinea pepper
Guinea worm
Guinea-Bissau
Guineaman
Guinean
Guinevere
Guinn
Guinna
Guinness
Guion
Guipuzcoa
Guiralde
Guisard
Guiscard
Guiscard
Guise
Guisian
Guity
Guittionian
Guizot
Gujar
Gujarat
Gujarat States
Gujarati
Gujerat
Gujral
Gujranwala
Gujrati
Gula
Gulag
Gulanganes
Gulbenkian
Gulf
Gulf Intracoastal Waterway
Gulf States
Gulf Stream
Gulf Stream system
Gulf Stream, The
Gulf of Aegina
Gulf of Campeche
Gulf of Chohli
Gulf of Lepanto
Gulf of Tatary
Gulf stream
Gulfhammock
Gulfport
Gulgee
Gulick
Gullah
Gulliver
Gulliver's Travels
Gullstrand
Gulo
Gulston
Gulzari Lal Nanda
Gum
Gum gedda
Gumberry
Gumbo
Gumpoldskirchner
Gun
Gunar
Gunas
Gunderson
Gundry
Gunilla
Gunite
Gunlock
Gunn
Gunnar
Gunner
Gunnera
Gunneraceae
Gunning
Gunnison
Gunpowder Plot
Guntar
Gunter
Gunter's chain
Gunter's scale
Guntersville
Gunthar
Gunther
Guntown
Guntur
Gunz
Gunz-mindel
Gunzburg
Gunzian
Gupta
Gur
Gurabo
Guran
Gurango
Gurdon
Gurevich
Guria
Gurian
Gurias
Guric
Gurish
Gurjara
Gurkha
Gurkhali
Gurkhas
Gurl
Gurley
Gurmukhi
Gurnee
Gurney
Gurneyite
Gurolinick
Gursel
Gurtner
Gwenora
Gwenore
Gwent
Gweyn
Gwin
Gwinn
Gwinner
Gwinnett
Gwydion
Gwyn
Gwynedd
Gwyneth
Gwynfa
Gwynn
Gwynne
Gwynneville
Gy
Gyaing
Gyani
Gyarung
Gyas
Gyasi
Gyatt
Gyes
Gygaea
Gyge
Gygges
Gygis
Gyimah
Gylden
Gylys
Gymnadenia
Gymnadeniopsis
Gymnanthes
Gymnarchidae
Gymnarchus
Gymnasium
Gymnoblastera
Gymnocalycium
Gymnocerata
Gymnocladus
Gymnoconia
Gymnoderinae
Gymnodiniaceae
Gymnodiniidae
Gymnodinium
Gymnodontes
Gymnoglossa
Gymnogyps
Gymnolaemata
Gymnolaphina
Gymnopaedes
Gymnorhina
Gymnorhininae
Gymnospermata
Gymnostomata
Gymnostomina
Gympothorax
Gymnotidae
Gymnotoka
Gymnotus
Gynura
Gymnurinae
Gynaecothoenas
Gynandria
Gynergen
Gynerium
Gynura
Gyor
Gypaetus
Gypazz
Gyppo
Gyps
Gypies
Gypsies
Gypsophila
Gypsy
Gyracanthus
Gyrencephala
Gyrinidae
Gyrinus
Gyro Flux Gate
Gyroceras
Gyrodactylidae
Gyrodactylus
Gyromitraz
Gyrophora
Gyrophoraceae
Gyrophoraceous
Gyropilot
Gyrosin compass
Gyrostachys
Gyrotheca
Gytheion
Gytle
Gyula Alapi
Gyula Dessewffy
Gza
Gzhatsk
H
H Shirley Amerasinghe
H beam
H hour
H's
H-bar
H-beam
H-blast
H-bomb
H-hinge
H-hour
H-steel
H-stretcher
H-war
H2S radar
HA
HAA
HAC
HACD
HAL
HAM
HAO
HAP
HARM
HASP
HAT
HB
HBA
HBM
HBO
HC
HCF
HCFA
HCL
HCM
HCR
HCSDS
HCTDS
HD
HDA
HDBV
HDL
HLV
HM
HMAS
HMC
HMI
HMOS
HMP
HMS
HMSO
HMT
HNC
HND
HNPA
HNS
HO
HO gauge
HOBIC
HOBIS
HOL
HOLC
HOTOL
HOW
HP
HPD
HPIB
HPLT
HPN
HPO
HPPA
HQ
HR
HRE
HRH
HRI
HRIP
HS
HSB
HSC
HSFS
HSH
HSI
HSLN
HSM
HSP
HSSDS
HST
HT
HTK
HU
HUAC
HUD
HUGE
HUT
HUTG
HV
HVAC
HW
HWD
HWM
HZ
Ha
Ha-erh-pin
Haag
Haakon
Haakon VII
Haapsalu
Haaretz
Haarlem
Haas
Haase
Hab
Haba
Habab
Habacuc
Habakkuk
Habana
Habanero
Habee
Habdalah
Habe
Habenaria
Haber
Haber process
Haberman
Habib
Habib Bourguiba
Habib Chatti
Habiri
Habiru
Habronema
Habsburg
Hach
Hachem Bey el Atassi
Hachijo Jima
Hachiman
Hachita
Hachman
Hachmann
Hachmin
Hackathorn
Hackensack
Hacker
Hackett
Hackettstown
Hackleburg
Hackney
Hackney pony
Had
Hadamard
Hadar
Hadas
Hadassah
Hadasseh
Haddad
Haddam
Hadden
Haddington
Haddix
Haddon
Haddon Heights
Haddonfield
Hadean
Haden
Hadendoa
Hadendowa
Hadensville
Hadentomoidea
Hades
Hadfield
Hadhramaut
Hadhramautian
Hadik
Hadith
Hadjemi
Hadipanos
Hadlee
Hadleigh
Hadley
Hadley chest
Hadlock
Hadlyme
Hadramaut
Hadramautian
Hadria
Hadrian
Hadrian I
Hadrian II
Hadrian III
Hadrian IV
Hadrian V
Hadrian VI
Hadrian's Wall
Hadromerina
Hadrosaurus
Hadsall
Hadwin
Hadwyn
Haeckel
Haeckelian
Haeckelism
Haeju
Haemamoeba
Haemanthus
Haemaphysalis
Haematobranchia
Haematocrya
Haematophilina
Haematopus
Haematotherma
Haematoxylon
Haemodoraceae
Haemogregarina
Haemogregarinidae
Haemon
Haemonchus
Haemoproteus
Haemosporidia
Haemosporidium
Haemulidae
Haemus
Haemus Mountains
Haerle
Haerr
Hafez Assad
Haff
Hafgan
Hafiz
Hafizullah Amin
Hafler
Haftarah
Haftarahs
Haftaroth
Hag
Hagai
Hagaman
Hagan
Haganah
Hagar
Hagarite
Hagarstown
Hagarville
Hagecius
Hagen
Hagenia
Hager
Hagerman
Hagerstown
Haggada
Haggadah
Haggadahs
Haggadoth
Haggai
Haggar
Haggard
Haggerty
Haggi
Hagi
Hagiographa
Hagno
Hagood
Hagstrom
Hague
Hague Tribunal
Hahira
Hahn
Hahnemann
Hahnemannian
Hahnemannism
Hahnert
Hahnke
Hahnville
Haiathalah
Haida
Haidan
Haidar Ali
Haidarabad
Haidas
Haidee
Haidinger
Haidinger fringes
Haiduk
Haifa
Haig
Haigler
Haikh
Hail Columbia
Hail Mary
Haile
Haile Selassie
Hailee
Hailesboro
Hailey
Haileyville
Hailsham
Hailwood
Haily
Haim
Haimanta series
Haimavati
Haines
Hainai
Hainan
Hainanese
Hainaut
Haines
Hainesport
Haiphong
Hairy Ape, The
Haise
Haisla
Haithal
Haiti
Haitian
Haitian Creole
Haitink
Haj Amin el Husseini
Hak
Hakai
Hakalau
Hakan
Hakan Loob
Hake
Hakea
Hakeem
Hakenkreuz
Hakenkreuze
Hakenkreuzler
Hakim
Hakka
Hakluyt
Hako
Hakodate
Hakon
Hakone
Hal
Halachah
Halachas
Halachic
Halachot
Halaf
Halafian
Halakah
Halakahs
Halakic
Halakoth
Haland
Halawi
Halbe
Halbeib
Halbert
Halbur
Halcottsville
Halcyon
Halcyone
Halcyonidae
Halcyoninae
Halda
Haldan
Haldane
Haldanite
Haldas
Haldeman
Halden
Haldes
Haldi
Haldis
Hale
Haleakala
Halecomorphi
Haledon
Haleigh
Haleiwa
Halemaumau
Halenia
Hales Corners
Halesia
Halifax Day
Haligonian
Halim Khaddam
Halima
Halimeda
Haliotidae
Haliotis
Halipidae
Halirrhothius
Haliserites
Halitheriidae
Halitherium
Halitherses
Haliver
Haliver Oil
Hall
Hall effect
Hall of Fame
Hall-Jones
Halla
Hallagan
Hallam
Halland
Hallandale
Halle
Halle an der Saale
Halleck
Hallee
Hallel
Haller
Hallerson
Hallett
Hallette
Halletsville
Halley
Halley's Comet
Halleyan
Halli
Halliday
Hallie
Hallieford
Halliwell
Hallock
Hallopidae
Halopus
Haloup
Hallowday
Hallowe'en
Halloween
Hallowell
Hallowmas
Hallowtide
Halls
Hallsboro
Hallstadt
Hallstaden
Hallstatt
Hallstattan
Hallstattian
Hallstead
Hallsville
Hallsy
Haltown
Hallvard
Hallwachs' effect
Hallwood
Hally
Halma
Halmheira
Halmahera
Halmstad
Haloa
Halobates
Halocynthiidae
Halogeton
Halona
Halonna
Halopsycha
Halopsychidae
Haloragidaceae
Halosauridae
Halosaurus
Halosphaera
Halpern
Hals
Halsey
Halstad
Halstead
Halsted
Halsy
Haltemprice
Halteridium
Haltica
Halvaard
Halverson
Halvy
Hamiltonism
Hamish
Hamital
Hamite
Hamites
Hamitic
Hamiticized
Hamitism
Hamito-Semitic
Hamito-negro
Hamito-semitic
Hamitoid
Hamlani
Hamlen
Hamler
Hamlet
Hamletsburg
Hamlin
Hamm
Hammad
Hammarskj
Hammarskjold
Hammel
Hammer
Hammerfest
Hammerskjold
Hammersmith
Hammerstein
Hammerstein II
Hamnett
Hammock
Hammon
Hammond
Hammond organ
Hammondsport
Hammondsville
Hammonton
Hammurabi
Hammurapi
Hamner
Hamnet
Hamo
Hamon
Hampden
Hampden boat
Hampshire
Hampshire Down
Hampstead
Hampton
Hampton Roads
Hampton boat
Hamptonville
Hamrah
Hammam
Hamshire
Hamsun
Hamtramck
Hamulites
Han
Han Chung-li
Han Cities
Han Fei Tzu
Han Xu
Han-lin
Hana
Hana Mandlikova
Hanac
Hanafee
Hanafi
Hanafite
Hanako
Hanalei
Hanan
Hanapepe
Hanasi
Hanau
Hanbalite
Hance
Hanceville
Hancock
Hand
Hand-Schuller-Christian disease
Handal
Handbook
Handel
Handelian
Handie-Talkie
Handie-talkie
Handler
Handley
Hands
Handsom
Handsome harry
Handy
Haney
Hanford
Hanforrd
Hanfund
Hangchow
Hangchow Bay
Hanging Gardens of Babylon
Hank
Hankamer
Hankel
Hankins
Hankinson
Hankow
Hanksville
Hanleigh
Hanley
Hanlon
Hanlontown
Hanna
Hannacroix
Hannahford
Hannah
Hannan
Hannastown
Hanni
Hannibal
Hannibalian
Hannibalic
Hannie
Hannis
Hanno
Hannon
Hannover
Hannu Jarvenpaa
Hannus
Hanny
Hano
Hanoi
Hanotaux
Hanover
Hanoverian
Hanoverianize
Hanoverize
Hanoverton
Hanratty
Hans
Hans Dietrich Genscher
Hans Dietrich Geuscher
Hans Paul Verhoef
Hans Werner
Hansa
Hansa town
Hansa yellow
Hansard
Hansardization
Hansardize
Hansboro
Hanschen
Hanse
Hanseatic
Hanseatic League
Hansel
Hansel and Gretel
Hanselka
Hansell
Hansen
Hansen's disease
Hanser
Hansetown
Hansford
Hanshaw
Hansiain
Hanska
Hanson
Hansteen
Hanston
Hansville
Hanswurst
Hants
Hanukkah
Hanuman
Hanus
Hanway
Hanya
Hanyang
Hanyang
Hanzelin
Hapale
Hapalidae
Hapalotis
Haphsiba
Haphtarah
Haphtarahs
Haphtaroth
Hapi
Haplodoci
Haplodon
Haplomi
Happ
Harlequin
Harleton
Harley
Harley Street
Harleysville
Harleyville
Harli
Harlie
Harlin
Harlingen
Harlow
Harlow Curtice
Harlowton
Harmachis
Harman
Harmaning
Harmans
Harmat
Harmedio Arias Madrid
Harmon
Harmonia
Harmonides
Harmonie
Harmonist
Harmonite
Harmonsburg
Harmony
Harmothoe
Harms
Harmsworth
Harnack
Harned
Hameen
Harness
Harnett
Haraney Peak
Harod
Harold
Harold I
Harold II
Harold Koch
Harolda
Haroldson
Haroun
Harp
Harpa
Harpagornis
Harpalides
Harpalinae
Harpalus
Harpalyce
Harper
Harper Woods
Harper's Ferry
Harpers Ferry
Harpersfield
Harpersville
Harperville
Harpidae
Harpies
Harpina
Harpocrates
Harpole
Harporhynchus
Harpp
Harpster
Harpullia
Harpursville
Harpy
Harpyia
Harragan
Harrah
Harrah's
Harrar
Harrell
Harrells
Harrellsville
Harri
Harrie
Harriet
Harriett
Harrietta
Harriette
Harriman
Harrington
Harrington Park
Harriot
Harriott
Harris
Harris Tweed
Harrishburg
Harrisia
Harrison
Harrison grid
Harrison red
Harrisonburg
Hartselle
Hartsfield
Hartshorn
Hartshorne
Hartsstown
Hartsville
Hartungen
Hartville
Hartwell
Hartwick
Hartwood
Harty
Hartzel
Hartzell
Hartzke
Harun al-Rashid
Harunobu
Harv
Harvard
Harvard beets
Harvard chair
Harvard classification
Harvard crimson
Harvardian
Harvardize
Harve
Harveian
Harvel
Harvest
Harvey
Harvey Wallbanger
Harveyize
Harveyized
Harveyizing
Harveysburg
Harveyville
Harvie
Harviell
Harvison
Harwell
Harwich
Harwichport
Harwick
Harwill
Harwilll
Harwin
Harwood
Harwood Heights
Haryana
Harz
Harz Mountains
Harze
Hasa
Hasan
Hasanlu
Hasdai
Hasdrubal
Hase
Hasek
Hasen
Hasheem
Hashem el Atta
Hashemi Rafsanjani
Hashemite Kingdom of Jordan
Hashim
Hashim Bey Attasy
Hashmite
Hashimoto
Hashiya
Hashum
Hasid
Hasidaean
Hasidean
Hasidic
Hasidim
Hasidism
Hasin
Hasinai
Haskalah
Haskel
Haskell
Haskins
Haslam
Haslet
Haslett
Hasmonaean
Hasmonean
Hassam
Hassan
Hassan Gouled
Hassan Habibi
Hassan II
Hassan el-Reda
Hassani
Hasse
Hassell
Hasselt
Hasseman
Hassett
Hassi
Hassi Beida
Hassin
Hastie
Hastings
Hastings-on-Hudson
Hasty
Haswell
Hatasu
Hatboro
Hatch
Hatch Act
Hatchechubbee
Hatcher
Hatfield
Hathaway
Hathcock
Hathor
Hathor column
Hathor-headed
Hathoric
Hathorne
Hati
Hatia
Hatikva
Hatikvah
Hatillo
Hatley
Hatshepset
Hatshepsut
Hatta
Hattemist
Hattenheimer
Hatteras
Hatteria
Hatti
Hattian
Hattic
Hattie
Hattiesburg
Hattieville
Hattism
Hattize
Hatton
Hattusas
Hatty
Hatvan
Hau
Haubstadt
Hauck
Hauge
Haugen
Hauger
Haughay
Haughton
Haukorn
Haunce
Hauppaug
Hauptmann
Hauraki Gulf
Hauranitic
Hausa
Hausas
Hausdorff
Hausdorff space
Hauser
Hauhofer
Hausmann
Hausner
Hauusa
Haussas
Haussmann
Haussmannization
Haussmannize
Hausstecan
Haut Sauternes
Haut-Rhin
Haute-Garonne
Haute-Loire
Haute-Marne
Haute-Normandie
Haute-Sa
Haute-Savoie
Haute-Vienne
Hautes-Alpes
Hautes-Pyrn
Hauts-de-Seine
Hauula
Havaco
Havaiki
Havaikian
Havana
Havana brown
Havana brown cat
Havana cigar
Havana seed
Havanese
Havant
Havard
Havasu
Havdala
Havdalalah
Havel
Havelock
Haveman
Haven
Havener
Havenner
Havens
Havensville
Haverford
Haverhill
Haverhill fever
Havering
Haversian
Haversian canal
Haverstraw
Havilah
Haviland
Haviland
Havre
Havre de Grace
Havstad
Hawaii
Hawaii National Park
Hawaiian
Hawaiian Islands
Hawaiian guitar
Hawarden
Hawes Water
Hawesville
Hawger
Hawhaw
Hawi
Hawick
Hawiya
Hawk
Hawken
Hawker
Hawkeye
Hawkeye State
Hawkeye state
Hawkeyes
Hawkie
Hawkins
Hawkinsville
Hawks
Hawksmoor
Hawkyns
Hawley
Hawleyville
Haworth
Haworthia
Hawthorn
Hawthorne
Hawthorne effect
Hawthornesque
Hax
Haxtun
Hay
Hay-Pauncefote Treaty
Hay-on-Wye
Haya
Hayakawa
Hayari
Hayashi
Hayatake
Hayato
Hayato Ikeda
Hayden
Haydenville
Haydn
Haydon
Haye
Hayes
Hayesville
Hayley
Haym
Hayman
Haymarket
Haymarket Square
Haymes
Haymo
Hayne
Haynes
Haynesville
Hayneville
Haynor
Hayott
Hays
Hayse
Haysi
Haysville
Hayti
Hayton
Hayward
Haywood
Haywood Jeffries
Hayyim
Hazaki
Hazara
Hazard
Hazard of New Fortunes, A
Haze
Hazeghi
Hazel
Hazel Park
Hazelbelle
Hazelcrest
Hazelhurst
Hazeltine
Hazelton
Hazelwood
Hazem
Hazen
Hazelhurst
Hazlet
Hazleton
Hazlett
Hazlip
Hazlitt
Hazor
Hb
Hbert
Hder
Hderlin
Hdr
He
Head
Headland
Headrick
Heady
Healdsburg
Healdton
Healey
Healion
Heall
Healy
Heaps
Hearn
Hearne
Hearsh
Hearst
Heart Is a Lonely Hunter, The
Heart of Darkness
Heart of Midlothian, The
Heart of the Matter, The
Heartbreak House
Heartwell
Heater
Heaters
Heath
Heath Robinson
Heathcote
Heather
Heathkit
Heathsville
Heaton
Heauton timoroumenos
Heautontimoroumenos
Heav'n's first law
Heaven
Heaven be praised
Heaven forbid
Heaven forfend
Heaven knows
Heavener
Heavenese
Heavenly City
Heavenly City of God
Heavenly city
Heavenly preceptor
Heavens
Heaviside
Heaviside layer
Heaviside region
Heaviside unit function
Heaviside-Kennelly layer
Heaviside-Kennelly region
Heb
Hebbe
Hebbel
Hebbronville
Hebdomadal Council
Hebe
Hebel
Heber
Heberden's rheumatism
Hebert
Hebert Hebert
Hebner
Hebo
Hebr
Hebraean
Hebraic
Hebraica
Hebraical
Hebraically
Hebraicize
Hebraisation
Hebraise
Hebraised
Hebraiser
Hebraising
Hebraism
Hebraist
Hebraistic
Hebraistical
Hebraistically
Hebraization
Hebraize
Hebraized
Hebraizer
Hebraizing
Hebrew
Hebrew calendar
Hebrew school
Hebrew-wise
Hebrewdom
Hebrewess
Hebrewism
Hebrews
Hebrician
Hebridean
Hebrides
Hebridian
Hebron
Hebronite
Hecabe
Hecaleius
Hecamede
Hecataean
Hecate
Hecatean
Hecatic
Hecatine
Hecatombaeon
Hecatoncheires
Hecatonchires
Hecht
Hechtia
Heck
Hecker
Heckerism
Hecklau
Heckman
Hecla
Hector
Hector Jayewardene
Hectorean
Hectorian
Hecuba
Heda
Hedberg
Hedda
Heddi
Heddie
Heddy
Hedelman
Hedelman
Hedeoma
Hedera
Hedgecock
Hedges
Hedgesville
Hedi
Hedie
Hedin
Hedjaz
Hedley
Hedone
Hedrick
Hedva
Hedvah
Hedve
Hedveh
Hedvig
Hedvige
Hedwig
Hedwiga
Hedy
Hedychium
Hedysarum
Heeley
Heenan
Heep
Heer
Heerlen
Heffron
Heflin
Hefner candle
Hefner lamp
Hefter
Hegarty
Hege
Hegel
Hegeleos
Hegelian
Hegelian dialectic
Hegelian idea
Hegelianism
Hegelianize
Hegelizer
Hegemone
Hegemony
Heger
Hegins
Hegira
Hegyera
Hegyeshalom
Hehe
Hehre
Heian
Heid
Heida
Heidegger
Heideggerian
Heideggerianism
Heidelberg
Heidelberg jaw
Heidelberg man
Heidenheimer
Heidenstam
Heidi
Heidie
Heidrick
Heidrun
Heidt
Heiduc
Heiduk
Heisson
Heitler
Hejaz
Hejazi
Hejazian
Hejira
Hekataean
Hekate
Hekatean
Hekker
Hekking
Hekla
Hel
Hela
Helain
Helaina
Helaine
Helali
Helban
Helbon
Helbona
Helbonia
Helbonna
Helbonnah
Helbonnas
Held
Helda
Heldentenor
Helderbergian
Helechawa
Helen
Helen Kelesi
Helen of Troy
Helen-Elizabeth
Helena
Helendale
Helene
Helenum
Helenka
Helenor
Helenus
Helenville
Helenwood
Helfand
Helfant
Helfenstein
Helga
Helge
Hell Gate
Hell's Angel
Hell's Kitchen
Hell's grim Tyrant
Helladian
Helladic
Helladotherium
Hellas
Helle
Helleborine
Helleborus
Hellelt
Hellen
Hellene
Hellenian
Hellenic
Hellenically
Hellenicism
Hellenisation
Hellenise
Hellenised
Helleniser
Hellenising
Hellenism
Hellenist
Hellenistic
Hellenistical
Hellenistically
Hellenization
Hellenize
Hellenized
Hellenizer
Hellenizing
Helleno-italic
Hellenocentric
Hellenophile
Heller
Hellertown
Helles
Hellespont
Hellespontine
Hellespontine sibyl
Hellespontus
Heli
Hellier
Hellman
Helm
Helvetius
Helvidian
Helvius
Helyn
Helyne
Heman
Hemans
Hembree
Hemel Hempstead
Hemera
Hemerasia
Hemerobaptism
Hemerobaptist
Hemerobian
Hemerobid
Hemerobiidae
Hemerobius
Hemerocallis
Hemet
Hemiascales
Hemiasci
Hemiascomycetes
Hemibasidiales
Hemibasidii
Hemibasidiomycetes
Hemibranchii
Hemichorda
Hemidactylus
Hemigale
Hemigalus
Hemiganus
Hemileia
Hemimeridae
Hemimerus
Hemimetabola
Hemimyaria
Hemingford
Hemingway
Hemingwayesque
Hemipodii
Hemipodius
Hemiptera
Hemiramphidae
Hemiramphinae
Hemiramphus
Hemithea
Hemminger
Hemon
Hemophileae
Hemophilus
Hemphill
Hempstead
Hen
Henagar
Hench
Hendaye
Hendel
Henden
Henderson
Hendersonville
Hendley
Hendon
Hendren
Hendrick
Hendricks
Hendrickson
Hendrik
Hendrika
Hendrix
Hendrum
Hendry
Henebry
Henefer
Heng
Heng-yang
Hengel
Hengelo
Hengest
Hengfeng
Henghold
Hengist
Hengyang
Henie
Henig
Henigman
Henioche
Henka
Henke
Henlawson
Henle's loop
Henleigh
Henley
Henley-on-Thames
Henn
Hennahane
Hennebery
Hennebique
Hennepin
Hennessey
Hennessy
Henni
Hennie
Hennig
Henniker
Henning
Henoch
Henri
Henri Huet
Henri Leconte
Henri Namphy
Henri d'Orleans
Henrician
Henricks
Henrico
Henrie
Henrieta
Henrietta
Henrietta Maria
Henrietta cloth
Henriette
Henrieville
Henriha
Henrik
Henrika
Henrion
Henrique
Henrique Galvao
Henriques
Henry
Henry Cisneros
Henry Heald
Henry I
Henry II
Henry III
Henry IV
Henry Knauf
Henry Knoche
Henry Morgan
Henry V
Henry VI
Henry VII
Henry VIII
Henry of Portugal
Henry the Navigator
Henry's law
Henryetta
Henryk
Henryk Jablonski
Henryson
Henryton
Henryville
Hensel
Hensler
Hensley
Henslowe
Henson
Hensonville
Hentenian
Hentrich
Henty
Henzada
Henze
Hepatica
Hepaticae
Hepburn
Hephaesteum
Hephaestian
Hephaestic
Hephaestus
Hephaistos
Hephizibah
Hephzipa
Hephzipah
Hepialidae
Hepialus
Hepler
Hepplewhite
Heppman
Heppner
Hepsiba
Hepsibah
Heptameron
Heptanchus
Heptanesian
Heptateuch
Heptatrema
Heptranchias
Hepworth
Hepza
Hepzi
Hepzibah
Her Excellency
Her Highness
Her Ladyship
Her Majesty
Her Majesty's Government
Her Majesty's Ship
Hera
Heraclea
Heraclean
Heracleidae
Heracleidan
Heracleonite
Heracleopolitan
Heracleopolite
Heracles
Heracles Furens
Heracleum
Heraclid
Heraclidae
Heraclidan
Heraclitean
Heracliteanism
Heraclitic
Heraclitical
Heraclitism
Heraclitus
Heraclius
Heraea
Herklean
Herkleion
Herkles
Herklid
Herklidan
Herald
Heralds' College
Heralds' Office
Herat
Herault
Heraye
Herb
Herbart
Herbartian
Herbartianism
Herbert
Herbert Bowden
Herbert Lawrence
Herbie
Herbivora
Herblock
Herborn
Herbst
Herbster
Herby
Herc
Hercegovina
Herceius
Herculanean
Herculanensian
Herculaneum
Herculanian
Hercule
Herculean
Herculean task
Hercules
Hercules and Iolaus
Hercules' Pillars
Hercules'-club
Herculid
Herculie
Herculis
Hercyna
Hercynian
Herder
Herdwick
Here
Heredia
Hereford
Hereford and Worcester
Herefordshire
Hereld
Herero
Hereward
Hergesheimer
Heriberto
Herigonius
Hering
Heringer
Herington
Herisau
Heritiera
Herkimer
Herlong
Herm
Herma
Herman
Herman Badillo
Herman Despradel
Herman Eilts
Hermann
Hermann Wilhelm
Hermann-Mauguin symbol
Hermannstadt
Hermansville
Hermanville
Hermaphroditus
Hermas
Hermes
Hermes Trismegistus
Hermesian
Hermesianism
Hermetic
Hermeticism
Hermetics
Hermetism
Hermetist
Hermia
Hermie
Hermina
Hermine
Herminia
Herminie
Herminone
Hermione
Hermiston
Herm
Hermit kingdom
Hermitage
Hermite
Hermite equation
Hermitian conjugate
Hermitian matrix
Hermleigh
Hermo
Hermod
Hermogenian
Hermon
Hermosa
Hermosillo
Hermoupolis
Herny
Hernandez
Hernandia
Hernandiaceae
Hernando
Hernando
Herrod
Herron
Hersch
Herschel
Herschelian
Herscher
Herse
Hersey
Hersh
Hershel
Hershell
Hershey
Hershey bar
Hersilia
Herskowitz
Herson
Herstein
Herstmonceux
Herta
Hertberg
Hertel
Herter
Hertford
Hertfordshire
Hertha
Hertogenbosch
Herts
Hertz
Hertz effect
Hertfeld
Hertzian
Hertzian wave
Hertzog
Hertzsprung-Russell diagram
Heruli
Herulian
Herut
Herv
Hervati
Herve
Herve Alphand
Hervey
Herwick
Herwig
Herwin
Herzberg
Herzegovina
Herzegovinian
Hester
Hesther
Hestia
Heston and Isleworth
Hesychasm
Hesychast
Hesychastic
Hetaerist
Heterakis
Heteralocha
Heterocarpus
Heterocera
Heterochloridales
Heterocoela
Heterocotylea
Heterodactytae
Heterodera
Heterodon
Heterodontata
Heterodontidae
Heterodontus
Heterognathi
Heterogyna
Heterokontae
Heteromeles
Heteromera
Heteromeran
Heteromeri
Heterometabola
Heteromi
Heteromita
Heteromorpha
Heteromorphae
Heteromya
Heteromyaria
Heteromyidae
Heteromys
Heteroneura
Heterousian
Heterousiast
Heterophaga
Heterophagi
Heteropia
Heteropidae
Heteropoda
Heteroptera
Heterorrhachis
Heterosiphonales
Heterosomata
Heterosomati
Heterosomi
Heterosporeae
Heterosporeum
Heterostraca
Heterostraci
Heterotricha
Heterotrichales
Heterotrichida
Heth
Heti
Hetland
Hetman
Hett
Hetti
Hettick
Hettie
Hettinger
Hetty
Heu Chi
Heublein
Heuchera
Heuneburg
Heunis
Heurlin
Heusen
Heuser
Heusler alloy
Heuvelton
Hevea
Hevelian halo
Hevelius
Hevesy
Hew
Hewart
Hewe
Hewes
Hewet
Hewett
Hewette
Hewie
Hewitt
Hewlett
Hexabiblos
Hexacoralla
Hexacorallia
Hexactinellida
Hexagrammidae
Hexagrammos
Hexagynia
Hexamita
Hexanchidae
Hexanchus
Hexandria
Hexapoda
Hexateuch
Hexateuchal
Hext
Hey
Heyburn
Heyde
Heydon
Heydrich
Heyduck
Heyduke
Heyer
Heyerdahl
Heyes
Heymaey
Heyman
Heymann
Heymans
Heyrovsky
Heyse
Heysham
Heyward
Heywood
Heyworth
Hezbollah
Hezekiah
Hezron
Hezronites
Hf
Hg
Hi
Hialeah
Hianakoto
Hiatt
Hiawassee
Hiawatha
Hibbard
Hibben
Hibbert
Hibbertia
Hibbing
Hideo Chikami
Hideo Hamamura
Hideo Hideraide
Hideo Ikeda
Hideyo
Hideyoshi
Hideyoshi Toyotomi
Hidie
Hiemis
Hiera
Hieracian
Hieracium
Hierochloe
Hierofalco
Hieroglyphic Hittite
Hieronymian
Hieronymic
Hieronymite
Hieronymus
Hierosolymitan
Hierosolymite
Hierro
Hiestand
Hiett
Higbee
Higden
Higdon
Higganum
Higginbotham
Higgins
Higginson
Higginsport
Higginsville
Higgs
High
High Church
High Churchman
High Court
High Court of Appeal
High Court of Judicature
High Court of Justice
High Court of Justiciary
High German
High Holiday
High Holy Day
High Holy Days
High Mass
High Point
High Renaissance
High Street
High Tatra
High Wycombe
High church
High-Church
High-Churchism
High-Churchist
High-Churchman
High-churchism
High-churchist
High-churchman
High-churchmanship
Highams
Higher Thought
Hight
Highland
Highland Falls
Highland Heights
Highland Park
Highland Region
Highland cattle
Highland fling
Highland games
Highland terrier
Highlander
Highlandman
Highlandry
Highlands
Highlandville
Highmore
Highness
Highshoals
Highspire
Hightower
Hightown
Hightstown
Hiveld
Highview
Highway Code
Highwood
Higinbotham
Higley
Hihat
Hiiumaa
Hijaz
Hijoung
Hijra
Hijrah
Hike
Hiko
Hilaira
Hilaire
Hilaire de Poitiers
Hiland
Hilar
Hilara
Hilaria
Hilario
Hilarion Capudji
Hilarius
Hilarius
Hilary
Hilary of Poitiers
Hilary term
Hilarymas
Hilarytide
Hilbert
Hilbert cube
Hilbert space
Hild
Hilda
Hildagard
Hildagarde
Hilde
Hildebran
Hildebrand
Hildebrandian
Hildebrandic
Hildebrandine
Hildebrandism
Hildebrandist
Hildebrandslied
Hildebrandt
Hildegard
Hildegard
Hildesheim
Hildick
Hildie
Hildreth
Hildy
Hiel
Hilger
Hilham
Hill
Hilla
Hillard
Hillari
Hillary
Hillburn
Hillcrest
Hilleary
Hillegass
Hillel
Hillel Foundation
Hillell
Hiller
Hiller-CNR machine
Hillery
Hillhouse
Hillhousia
Hilliard
Hilliards
Hiliary
Hillie
Hilier
Hillinck
Hillingdon
Hillis
Hillisburg
Hillister
Hillman
Hilrose
Hills
Hillsboro
Hillsborough
Hillsdale
Hillside
Hillsville
Hiltown
Hillview
Hilly
Hillyer
Hilmar
Hilo
Hilo grass
Hiltan
Hilten
Hiltner
Hilton
Hiltons
Hilversum
Him
Him-Heup
Hima
Himachal Pradesh
Himalaya
Himalaya Mountains
Himalaya berry
Himalayan
Himalayan cat
Himalayan fleabane
Himalayan musk rose
Himalayan tahr
Himalayas
Himalo-chinese
Himantopus
Himavat
Hime
Himeji
Himelman
Himeros
Himerus
Himinbjorg
Himmler
Himrod
Hims
Himyaric
Himyarite
Himyaritic
Hinayana
Hinayana Buddhism
Hinayanist
Hinch
Hinckley
Hind
Hind and the Panther, The
Hinda
Hindarfjall
Hindemith
Hindenburg
Hindenburg line
Hindfell
Hindi
Hindman
Hindoo
Hindooism
Hindoos
Hindoostani
Hindorff
Hindostani
Hippia
Hippias
Hippidae
Hippidion
Hippidium
Hippo
Hippo Regius
Hippo Zarytus
Hippobosca
Hippoboscidae
Hippocastanaceae
Hippocratea
Hippocrateaceae
Hippocrates
Hippocratian
Hippocratic
Hippocratic countenance
Hippocratic face
Hippocratic oath
Hippocratical
Hippocratism
Hippocrene
Hippocrenian
Hippocurius
Hippodamas
Hippodamia
Hippoglosinae
Hippoglossidae
Hippoglossus
Hippolochus
Hippolyta
Hippolytan
Hippolyte
Hippolytidae
Hippolytus
Hippomedon
Hippomenes
Hipponactean
Hipponous
Hippopotamidae
Hipposelinum
Hippothous
Hippotigris
Hippotragus
Hippuridaceae
Hippuris
Hippurites
Hippuritidae
Hispanicising
Hispanicism
Hispanicization
Hispanicize
Hispanicized
Hispanicizing
Hispaniola
Hispaniolate
Hispaniolize
Hispanist
Hispanize
Hispano
Hispano-american
Hispano-gallican
Hispano-german
Hispano-italian
Hispano-moresque
Hispanophile
Hispanophobe
Hispinae
Hiss
Hissarlik
Hissene Habre
Hissop
Histadrut
Histiophoridae
Histiophorus
Histoplasma
Histriobdella
Histriomastix
Hitachi
Hitchcock
Hitchcock chair
Hitchins
Hitchita
Hitchiti
Hite
Hitler
Hitlerism
Hitlerite
Hitoshi
Hitt
Hittel
Hitterdal
Hittite
Hittite hieroglyphic
Hittitics
Hittitology
Hittology
Hittorf dark space
Hittorf method
Hiung-nu
Hivite
Hiwassee
Hiwassee
Hixson
Hixton
Hizar
Hizen porcelain
Hjerpe
Hjordis
Hler
Hlidhskjalf
Hliod
Hlíthskjalf
Hloise
Hlorrithi
Hluchy
Ho
Ho Chi Minh
Ho Chi Minh City
Ho Chi Minh Trail
Hoa Hao
Hoad
Hoag
Hoagland
Hoang
Hoang Duc Nha
Hoang Thi Cuc
Hoangho
Hoare
Hoashis
Hob
Hoban
Hobard
Hobart
Hobbema
Hobbes
Hobbesian
Hobbian
Hobbie
Hobbism
Hobbist
Hobbistical
Hobbs
Hobbsville
Hoeg
Hoehne
Hoek van Holland
Hoem
Hoenack
Hoenir
Hoes
Hoeve
Hofei
Hofer
Hoff
Hoffa
Hoffarth
Hoffter
Hoffman
Hoffmann
Hoffmannist
Hoffmannite
Hoffmeister
Hofi Karlsdottir
Hofmann
Hofmannsthal
Hofstader
Hofstetter
Hofuf
Hog latin
Hogan
Hogansburg
Hogansville
Hogarth
Hogarth chair
Hogarthian
Hogeland
Hogen
Hogen-mogen
Hogg
Hogle
Hogmanay
Hogni
Hogue
Hohe
Hohenlinden
Hohenlohe
Hohenstaufen
Hohenwald
Hohenzollern
Hohenzollernism
Holiness
Holinhed
Holinhed's Chronicles
Holkar State
Holladay
Hollah
Holland
Holland finish
Holland gin
Hollandaise
Hollandale
Hollander
Hollandia
Hollandish
Hollands
Hollansburg
Hollantide
Holle
Hollenbeck
Hollenberg
Holleran
Hollerith
Hollerith code
Hollerman
Holley
Holli
Holliday
Hollidaysburg
Hollie
Holliger
Hollinger
Hollingshead
Hollingsworth
Hollington
Hollins
Hollis
Hollister
Holliston
Holloman
Hollow Men, The
Holloway
Hollowville
Hollspople
Holly
Holly Springs
Holly-Anne
Hollyanne
Hollybush
Holotrichida
Holst
Holstein
Holstein-Friesian
Holsworth
Holt
Holton
Holtorf
Holtsville
Holtville
Holtwood
Holz
Holub
Holy Alliance
Holy Ark
Holy Bible
Holy Church
Holy City
Holy Communion
Holy Family
Holy Father
Holy Ghost
Holy Grail
Holy Innocents' Day
Holy Island
Holy Joe
Holy Lamb
Holy Land
Holy Mary
Holy Moses
Holy Mysteries
Holy Office
Holy One
Holy Roller
Holy Roman Emperor
Holy Roman Empire
Holy Rood
Holy Sacrament
Holy Sacramento, the
Holy Saturday
Holy Scripture
Holy Scriptures
Holy See
Holy Sepulcher
Holy Sepulchre
Holy Spirit
Holy Spirit, the
Holy Thursday
Holy Trinity
Holy Virgin of Virgins
Holy Week
Holy Willie
Holy Willie's Prayer
Holy Writ
Holy Year
Holy roller
Holy rollerism
Holy willie
Holyhead
Holyoake
Holyoke
Holyrood
Holzman
Hom
Homadus
Homagyrus
Homalin
Homalocenchrus
Homalonotus
Homalopsinae
Homaloptera
Homalopterous
Homalosternii
Homam
Homans
Homaridae
Homarus
Homburg
Home
Home Burial
Home Counties
Home Guard
Home Office
Home Rule
Home Secretary
Homedale
Homer
Homere
Homarian
Homerian
Homerica
Homerica laughter
Homerica simile
Homerical
Homerically
Homerid
Homeridae
Homeridian
Homerist
Homerologist
Homerology
Homeromastix
Homerus
Homerville
Homestead
Homestead Act
Hometown
Homewood
Homeworth
Hominian
Hominidae
Hominy
Hommel
Homo
Homo sapiens
Homocoela
Homoean
Homoeanism
Homoeomeri
Homoiousian
Homooxiousianism
Homomorpha
Homoneura
Homooxiousian
Homooxiousianism
Homooxiousianist
Homooxiousiast
Homooxiousion
Homoptera
Homorelaps
Hosassa
Homosteus
Homovec
Homs
Hon
Hon Gai
Hon Sec
Honaker
Honan
Honaunau
Hond
Honda
Hondo
Honduran
Honduranean
Honduranian
Honduras
Honduras bark
Honduras cedar
Honduras mahogany
Honduras oak
Honduras rosewood
Hondurean
Hondurian
Honea Path
Honeapath
Honebein
Honecker
Honegger
Honeeye
Honesdale
Honest John
Honey
Honeybrook
Honeyman
Honeyville
Honeywell
Honeywood
Honfleur
Hong
Hong Kong
Hong Kong flu
Hong-Kong
Hongleur
Honiara
Honig
Honiton
Honna
Honniball
Honobia
Honokaa
Honolulu
Honomu
Honor
Honora
Honoraville
Honoria
Honorine
Honorious
Honorious I
Honorious II
Honorious III
Honorious IV
Honour
Honour Moderations
Honourable
Hons
Honshu
Honus
Hoo
Hooch
Hood
Hood River
Hoodsport
Hooge
Hoogh
Hooghly
Hook
Hook of Holland
Hooke
Hooke's law
Hooker
Hooker's green
Hookera
Hookerton
Hooks
Hookstown
Hoolehua
Hoon
Hoopa
Hoopen
Hooper
Hooper rating
Hooperating
Hoopes
Hoopeston
Hoople
Hooppole
Hoosick
Hoosick Falls
Hoosier
Hoosier State
Hoosierdom
Hoosierese
Hoosierize
Hootman
Hooton
Hooven
Hoover
Hoover Dam
Hooverism
Hooverize
Hooversville
Hooverville
Hopatcong
Hopbottom
Hopcalite
Hope
Hopedale
Hopeh
Hopehull
Hopei
Hopeland
Hopestill
Hopeton
Hopewell
Hopfinger
Hopi
Hopin
Hopis
Hopkins
Hopkinsian
Hopkinsianism
Hopkinson
Hopkinsonian
Hopkinsville
Hopkinton
Hopland
Hoples
Hoplocephalus
Hoplonemertea
Hoplonemertini
Hoppe
Hopper
Hoppus foot
Hopwood
Hoquiam
Horace
Horacio
Horae
Horan
Horatia
Horatian
Horatian ode
Horatii
Horatio
Horatius
Horatius Cocles
Horbal
Horcus
Hordeum
Hordville
Horeb
Horgan
Horick
Horicon
Horim
Horite
Horlacher
Hormigueros
Hormisdas
Hormogonales
Hormogoneae
Hormogoneales
Hormuz
Horn
Horn of Africa
Hornbeak
Hornbeck
Hornblower
Hombrook
Home
Hornell
Hornor
Horner's method
Hornersville
Homey
Horneyan psychology
Hornick
Hornie
Hornitos
Hornsby
Hornstein
Horntown
Horodko
Horologium
Horonite
Horouta
Horowitz
Horrebow
Horrocks
Horsa
Horse Guards
Horse's Mouth, The
Horse-guardsman
Horsehead Nebula
Horseheads
Horsens
Horsepen
Horsetown
Horsey
Horsham
Horst
Horst Wessel lied
Horst Wessel song
Hort
Horta
Horten
Hortensa
Hortense
Hortense blue
Hortense de Beauharnais
Hortense violet
Hortensia
Hortensian
Hortensius
Horter
Horthy
Horton
Hortonville
Horus
Horvatin
Horvitz
Horwath
Horwitz
Hos
Hosackia
Hosbein
Hoschton
Hose
Hosea
Hoseia
Hosein
Hosfmann
Hosford
Hoshana Rabbah
Hoshanah Rabbah
Hoshi
Hoskins
Hoskinson
Hoskinston
Hosmer
Hosni Mubarak
Hospers
Hospices de Beaune
House Administration
House of Assembly
House of Bernarda Alba, The
House of Burgesses
House of Commons
House of Councillors
House of Councilors
House of Delegates
House of Elders
House of Keys
House of Lords
House of Peers
House of Representatives
House of the People
House of the Seven Gables, The
Houselander
Housen
Houser
Houses of Parliament
Housing and Urban Affairs
Housman
Houssay
Houston
Houstonia
Housum
Houtzdale
Houyhnhnm
Hova
Hove
Hoven
Hovenia
Hovercraft
Hovey
Hovland
How
Howard
Howard Hjort
Howardstown
Howarth
Howe
Howe truss
Howe's American type
Howea
Howell
Howells
Howenstein
Howertons
Howes
Hsingborg
Hsining
Hsinkung
Hsiung Hsiang-hui
Hsu
Htindaw
Htizwe
Hts
Hu
Hu Qili
Hu Yaobang
Hu Yaobanh
Hua Kuo-feng
Huachuca
Huai
Huai-nan
Hualapai
Huambo
Huan
Huang
Huang Chen
Huang Hua
Huanuco
Huaras
Huari
Huascar
Huascaran
Huastec
Huastecan
Huastecs
Huave
Huavean
Huba
Hubbard
Hubbard squash
Hubbardston
Hubbardsville
Hubbell
Hubbite
Hubble
Hubble constant
Hube
Huber
Huberman
Hubert
Huberto
Hubertus
Hubertusburg
Huey
Hueysville
Hueytown
Huff
Huffman
Hufnagel
Hufuf
Hugel
Hugelia
Huger
Huggin
Huggins
Hugh
Hugh Capet
Hughes
Hugheston
Hughesville
Hughett
Hughie
Hughmanick
Hughoc
Hughson
Hughsonville
Hugi
Hugibert
Hugin
Hugli
Hugo
Hugo Banzer
Hugo rose
Hugothesque
Hugon
Hugoton
Huguenot
Huguenotische
Huguenotism
Hugues
Huhehot
Hui
Huichou
Huidobro
Huig
Huila
Huitzilopochtli
Hujsak
Huk
Hukawng
Hukbalahap
Hungtow Island
Hunk
Hunker
Hunkerism
Hunkerous
Hunkerousness
Hunkie
Hunkpapa
Hunley
Hunlike
Hunnewell
Hunnian
Hunnic
Hunnican
Hunnish
Hunnishness
Hunsinger
Hunt
Hunter
Hunterian
Hunters
Huntersville
Huntertown
Hunting Dogs
Huntingburg
Huntingdon
Huntingdonshire
Huntington
Huntington Beach
Huntington Park
Huntington Station
Huntington Woods
Huntington's chorea
Huntingtown
Huntland
Huntlee
Huntley
Huntly
Hunts
Huntsburg
Huntsville
Hunyadi
Hunyady
Hunyak
Huoh
Huon pine
Hupa
Hupeh
Hussitism
Hustisford
Huston
Hustontown
Hustonville
Husum
Hut
Hutcheson
Hutchings
Hutchins
Hutchinson
Hutchinsonian
Hutchinsonianism
Hutchison
Huterian
Huther
Hutner
Hutson
Hutsonville
Hutsulian
Hutt
Huttan
Hutterites
Huttig
Hutto
Hutton
Huttonian
Huttonianism
Huttonsville
Hutu
Hux
Huxford
Huxham
Huxleian
Huxley
Huxleyan
Huxtable
Huygenian
Huygens
Huygens eyepiece
Huygens principle
Huygens’ principle
Huyghens
Huysmans
Huzvaresh
Hvar
Hvasta
Hwai River
Hwaiyang
Hwajung
Hwang
Hwang Hai
Hwang Ho
Hwanghwatsun
Hwangmei
Hwelon
Hwu
Hy
Hy-brasil
Hyacinth
Hyacintha
Hyacinthe
Hyacinthia
Hyacinthides
Hyacinthie
Hyacinthus
Hyades
Hyads
Hyenanche
Hyenarctos
Hyenidae
Hyenodon
Hyakume
Hyalonema
Hyalospongia
Hyampom
Hyams
Hyannis
Hyannis Port
Hyannisport
Hyatt
Hyattsville
Hyattville
Hybanthus
Hybla
Hyblaea
Hyblaean
Hyblan
Hybodus
Hydatina
Hyde
Hyde Park
Hyden
Hyder Ali
Hyderabad
Hydes
Hydesville
Hydetown
Hydeville
Hydnaceae
Hydnocarpus
Hydnora
Hydnoraceae
Hydnum
Hydra
Hydra-headed
Hydra-tainted
Hydrachna
Hydrachnidae
Hydractinia
Hydradephaga
Hydrangea
Hydrangeaceae
Hydrastis
Hydri
Hydrid
Hydivote
HydroDiuril
Hydrobates
Hydrobatidae
Hydrocaryaceae
Hydrocharidaceae
Hydrocharis
Hydrocharitaceae
Hydrochelidon
Hydrochoerus
Hydrocleis
Hydrocorallia
Hydrocorallinae
Hydrocores
Hydrocorisae
Hydrocortone
Hydrocotyle
Hydrocyon
Hydrodamalidae
Hydrodamalis
Hydrodictyaceae
Hydrodictyon
Hydrodromica
Hydrogenomonas
Hydroida
Hydroidea
Hydrolea
Hydroleaceae
Hydromatic
Hydromedusae
Hydrometridae
Hydromys
Hydoparastatae
Hydr mature
Hydrometridae
Hydromys
Hydrophinae
Hydraphis
Hydraphora
Hydrophyllaceae
Hydrophyllum
Hydropotes
Hydropt eridae
Hydrozoa
Hydruntine
Hydrurus
Hydrus
Hye
Hyeres
Hygeia
Hygeian
Hyginus
Hyksos
Hyla
Hylaeus
Hylan
Hylland
Hylas
Hylidae
Hyllus
Hylobates
Hylocereus
Hylocichla
Hyloc cium
Hyloides
Hyalomys
Hy lton
Hyman
Hymen
Hymenaea
Hymenaeus
Hymenaic
Hymenocallis
Hymeno chaete
Hymenogaster
Hymenogastraceae
Hymenolepis
Hymenomycetes
Hymenophyllaceae
Hymenophyllites
Hymenophyllum
Hymenoptera
Hymera
Hymettian
Hymetic
Hymettius
Hymettus
Hymie
Hymir
Hynda
Hyndman
Hynek
Hynes
Hyo
Hyolites
Hyolithidae
Hyoscyamus
Hyotherium
Hyozo
Hypanis
Hypapante
Hypatia
Hypatie
Hypantron
Hyper-calvinism
Hyper-calvinist
Hyper-calvinistic
Hyper-dorian
Hyper-ionian
Hyper-jacobean
Hyper-latinistic
Hyper-lydian
Hyper-phrygian
Hyper-romantic
Hyper-uranian
Hyperborean
Hypercheiria
Hyperenor
Hypergon
Hypericaceae
Hypericales
Hypericum
Hyperion
Hyperion to a satyr
Hypermnestra
Hyperoartia
Hyperoodon
Hyperotreta
Hyperotreti
Hypertherm
Hyphaene
Hyphomycetales
Hyphomycetes
Hypnaceae
Hypnos
Hypnum
Hypnus
Hypo-
Hypochaeris
Hypochnaceae
Hypochnus
Hypocreaceae
Hypocreales
Hypodermella
Hypodorian
Hypohippus
Hypolite
Hypolydian
Hypoparia
Hypopitys
Hyposomatata
Hyposomides
Hypotheria
Hypotremata
Hypotricha
Hypotrichida
Hypoxis
Hypoxylon
Hypoza
Hyps
Hypseus
Hypsilophodon
Hypsilophodontidae
Hypsiprymninae
Hypsiprynodontinae
Hypsiprymnus
Hypsipyle
Hypsistarian
Hypsistus
Hyrachyus
Hyracidae
Hyracina
Hyracodon
Hyracodontidae
Hyracoidea
Hyracotheriinae
Hyracotherium
Hyrca
Hyricana
Hyrcanian
Hyrie
Hyrmina
Hyrnetho
Hyrtius
Hyrum
Hyrup
Hysham
Hyssopus
Hysteriales
Hysteroecarpus
Hysterophyta
Hystricidae
Hystricinae
Hystricomorpha
Hystricx
Hz
I
I Am
I Ching
I Claudius
I Mech E
I Min E
I am led to believe
I ask you
I beam
I beg you
I beg your pardon
I can't see
I couldn't care less
I daresay
I declare
I don't care
I don't have the first idea
I don't know what
I don't see how
I don't see why
I don't understand
I girder
I give up
I have it
I myself
I never
I pass
I refuse
I should fret
I should worry
I thank you
I thank you very much
I think not
I venture to say
I will no such thing
I will not
I won't
I won't buy it
I""d
I""ll
I""s
I'd
I'll
I'll be
I'll be damned if
I'll be hanged if
I'll be hanged if I will
I'll be jiggered
I'll be seeing you
I'll say
I'll see you in hell first
I'm
I'm not taking any
I's
I've
I-beam
I-bunga
I-go
I-ism
I-ness
I-railed
I-ship
I-spy
I/O
IA
IAA
IAB
IAD
IADB
IAEA
IAF
IAH
IAM
IANA
IAPPP
IAS
IATA
IATSE
IAU
IAUC
IB
IBA
IBEW
IBM
IBM machine
IBN
IBRD
IBTCWH
IC
IC analysis
ICA
ICAAAAA
ICAN
ICAO
ICB
ICBM
ICBW
ICC
ICCC
ICCCM
ICD
ICE
ICFTU
ICI
ICJ
ICL
ICLID
ICM
ICMP
ICON
ICP
ICRC
ICS
ICSC
ICSH
ICST
ICT
ICChemE
ICs
ID
ID card
IDA
IDB
IDC
IDDD
IDE
IDEA
IDF
IDI
IDL
IDM
IDN
IDP
IDP machine
IDS
IDV
IDVC
IE
IEC
IEE
IEEE
IEN
IESG
IETF
IF
IF amplification
IF amplifier
IF audio signal
IF oscillator
IF pulse
IF signal
IF transformer
IF video signal
IFB
IFC
IFF
IFF radar
IFIP
IFLA
IFLWU
IFO
IFR
IFRPS
IFS
IG
IGES
IGFET
IGM
IGMP
INGRES
INH
INL
INMS
INN
INOC
INRI
INRIA
INS
INTAP
INTELSAT
INTUC
INWATS
IO
IO device
IOC
IOCC
IOD
IOF
IOM
IONL
IOOF
IOP
IOT
IOTA
IOU
IOW
IP
IPA
IPBM
IPC
IPCC
IPCE
IPCS
IPDU
IPE
IPI
IPL
IPLAN
IPM
IPMS
IPO
IPS
IPSE
IPT
IPX
IPY
IQ
IQ meter
IQ test
IQR
IQSY
IR
IRA
IRAF
IRAS
IRBM
IRC
IRD
IRDS
IRE
IRG
IRL
IRM
IRMS
IRN
IRO
IROR
IRQ
IRS
IRSG
IRTF
IS
ISA
ISAM
ISAS
ISBD
ISBN
ISC
ISCH
ISDN
ISDT
ISEE
ISF
ISFUG
ISH
ISI
ISIS
ISLM
ISLU
ISM
ISN
ISO
ISODE
ISOO
ISOP
Iachimo
Iaeger
Iago
Iain
Ialmenus
Ialysos
Ialysus
Iambe
Iams
Iamus
Ian
Iand
Ianteen
Ianthe
Ianthina
Ianus
Iapetus
Iapigia
Iapyges
Iapygian
Iapygii
Iapyx
Iarbas
Iardanus
Iaria
Iasi
Iasion
Iaso
Iasus
Iaverne
Ib
Iba
Ibad
Ibada
Ibadan
Ibadhi
Ibadite
Ibagu
Iban
Ibanag
Ibanez
Ibanez Del Campo
Ibapah
Ibaraki
Ibarguen Herrara
Ibarruri
Ibbetson
Ibbie
Icard
Icaria
Icarian
Icarian Sea
Icarianism
Icarius
Icarus
Ice
Ice Age
Ice Observation Service
Ice patrol
Icel
Iceland
Iceland crystal
Iceland dog
Iceland falcon
Iceland gull
Iceland lichen
Iceland moss
Iceland pony
Iceland poppy
Iceland sea grass
Iceland spar
Icelander
Icelandian
Icelandic
Icelidae
Icelus
Iceman Cometh, The
Iceni
Icenic
Icerya
Ichabod
Ichang
Ichinomiya
Ichiro Hatoyama
Ichneumia
Ichneumones
Ichneumonidae
Ichneumonides
Ichneunonoidea
Ichthyocentaur
Ichthyoecephali
Ichthyodea
Ichthyodectidae
Ichthyoida
Ichthyol
Ichthyomorpha
Ichthyopsida
Ichthyopterygia
Ichthyornis
Ichthyornithes
Ichthyornithidae
Ichthyornithiformes
Ichthyosaura
Ichthyosauridae
Ichthyosaurus
Ichthyotomi
Icken
Ickes
Ickesburg
Iconian
Iconium
Iconoscope
Icosandria
Icosteidae
Icosteus
Icteridae
Ictinus
Ictonyx
Id
Ida
Idabel
Idaea
Idaean
Idaean Dactyl
Idaean Mother
Idaho
Idaho cedar
Idaho white pine
Idahoan
Idaic
Idalia
Idalian
Idalina
Idaline
Idalla
Idalou
Idamay
Idanha
Idas
Idaville
Idden
Iddio
Iddo
Ide
Idea
Idean
Idel
Ideler
Idelia
Idell
Idelle
Idelson
Iden
Identikit
Ider
Ides of March
Idette
Idewild
Idhi
Idi Amin
Idiogastra
Idiom Neutral
Idiosepiidae
Idiosepiion
Idiot, The
Idism
Idist
Idistic
Iditarod
Idledale
Idleman
Idlewild
Idmon
Ido
Idoism
Idoist
Idoistic
Idola
Idolah
Idolla
Idomeneo
Idomeneus
Idona
Idonah
Idonea
Idonna
Idotea
Idoteidae
Idoteidae
Idou
Idoux
Idria
Idris
Idris I
Idrisid
Idrisite
Idumaeae
Idumaean
Idumea
Idumean
Idun
Iduna
Idyls of the King, The
Idyllwild
Idzik
Ieda
Ielene
Iene
Ieper
Ier
Ierna
Ierne
Ieso
Ietta
Iey
Ieyasu
If
Ife
Ifill
Ifni
Ifugao
Ifugaos
Igal
Igara
Igbira
Igbo
Igbos
Igdrasil
Igdyr
Igenia
Igerne
Iggdrasil
Iggie
Iggy
Igigi
Igino Cardinale
Iglau
Iglesias
Iglulirmiut
Ignace
Ignacia
Ignacio
Ignacius
Ignatia
Ignatian
Ignatianist
Ignatius
Ignatius Acheampong
Ignatius Loyola
Ignatius of Loyola Saint
Ignatz
Ignatzia
Ignaz
Ignazio
Ignorantine
Igo
Igor
Igor Larionov
Igorot
Igorots
Igot Gouzenko
Igraine
Iguac
Iguacor Iguass
Iguania
Iguanidae
Iguanodon
Iguanodontia
Iguanodontidae
Iguanodontoidea
Iguassu
Iguvine
Ihab
Ihei Aoki
Ihlat
Ihlen
Ihsan Caglayangil
Iiette
Iila
Inde
Iinden
Iives
Ij
Ijamsville
Ijo
Ijore
Ikara
Ikaria
Ike
Ikeda
Ikeja
Ikey
Ikeya-Seki
Ikhnaton
Ikhwan
Ikkela
Il
Il Barbiere di Siviglia
Il Cortegiano
Il Messaggero
Il Penseroso
Il Trovatore
Ila
Ilaire
Ilam
Ilan
Ilana
Ilario
Ilarrold
Ilbert
Ile Bizard
Ile du Diable
Ile-de-France
Ileana
Ileana Ros-Lehtinen
Ileane
Ileitis
Ilene
Iles Comores
Iles du Salut
Iles sous le Vent
Ilesha
Iletin
Ilford
Ilha
Ilheus
Ilia
Iliac
Iliad
Iliadic
Iliadist
Iliadize
Iliamna
Ilian
Ilicaceae
Imbler
Imboden
Imbruim
Imbriri
Imbro
Imelda
Imelida
Imena
Imer
Imerina
Imeritian
Imipramine
Imitation of Christ, The
Imitt
Imlay
Imlayston
Imler
Immaculata
Immaculate Conception
Immaculate Heart
Immanes
Immanuel
Immelmann turn
Immigration and Nationality Act
Immingham
Immokalee
Immoralist, The
Immortals
Imnaha
Imo
Imogen
Imogene
Imojean
Imola
Imolinda
Imp
Impatiens
Impatientaceae
Impennes
Imperata
Imperator
Imperial
Imperial Beach
Imperial Highness
Imperial Holiday
Imperial Majesty
Imperial Valley
Imperial bushel
Impeyan
Imphal
Implantentia
Importance of Being Earnest, The
Improperia
Imray
Imre
Imre Boka
Imre Fold
Imre Hollai
Imre Horvath
Imre Nagy
Imroz
Intiaz
In
In Dubious Battle
In God We Trust
In Praise of Folly
Ina
Inachidae
Inachus
Inanna
Inari
Inarticulata
Inauguration Day
Inauguration day
Inavale
Inc
Inca
Inca bone
Inca dove
Incabloc
Incaic
Incan
Incaparina
Incarial
Incarnation
Incarvillea
Inchelium
Inchon
Incognito
Incorruptible
Increase
Incrocci
Incrustata
Ind
IndE
Indanthrene
Indecidua
Independence
Independence Day
Independence Hall
Independence day
Independence hall
Independency
Independent
Independista
Index Librorum Prohibitorum
Index expurgatorius
Indi
India
India berry tree
India buff
India chintz
India cotton
India drugget
India gall
India gum
India ink
India malacca
India matting
India muslin
India paper
India pepper
India pink
India print
India proof
India red
India rubber
India scrim
India shawl
India silk
India tan
India tea
India tint
India wheat
India-cut
India-rubber tree
India-rubber vine
Indiahoma
Indiaman
Indiamen
Indian
Indian Claims Commission
Indian Desert
Indian Empire
Indian Hill
Indian Mutiny
Indian National Congress
Indian Ocean
Indian Runner
Indian States and Agencies
Indian Summer of a Forsyte
Indian Territory
Indian Wars
Indian agency
Indian agent
Indian apple
Indian balsam
Indian bison
Indian blanket
Indian bread
Indian breadroot
Indian bridle
Indian buffalo
Indian cherry
Indian cholera
Indian club
Indian cobra
Indian corn
Indian cress
Indian cup
Indian currant
Indian drug
Indian elephant
Indian fig
Indian file
Indian gift
Indian giver
Indian giving
Indian grackle
Indian hawthorn
Indian header
Indian heat
Indian hemp
Indian hippo
Indian house
Indian ink
Indian jujube
Indian lettuce
Indian licorice
Indian liquorice
Indian list
Indian lotus
Indian madder
Indian mallow
Indian meal
Indian millet
Indian mode
Indian mulberry
Indian paintbrush
Indian pink
Indian pinkroot
Indian pipe
Indian pitcher
Indian pony
Indian potato
Indian pudding
Indian red
Indian reservation
Indian reserve
Indian rice
Indian rope-trick
Indian rug
Indian ruler
Indian salad
Indian sanicle
Indian sign
Indian silk
Indian summer
Indian sweater
Indian tea
Indian tobacco
Indian turnip
Indian weed
Indian wolf
Indian wrestling
Indian yellow
Indian-meal moth
Indiana
Indiana ballot
Indiana limestone
Indianaan
Indianapolis
Indianapolis 500
Indianeer
Indianesque
Indianhead
Indianhood
Indianian
Indianisation
Indianise
Indianised
Indianising
Indianism
Indianist
Indianization
Indianize
Indianized
Indianizing
Indianola
Indiantown
Indic
Indicatoridae
Indicatorinae
Indices Expurgatorii
Indienne
Indies
Indigenismo
Indigofera
Indihar
Indio
Indira
Indo-
Indo-Aryan
Indo-Chinese
Indo-European
Indo-Germanic
Indo-Hittite
Indo-Iranian
Indo-Pacific
Indo-afghan
Indo-african
Indo-aryan
Indo-australian
Indo-british
Indo-briton
Indo-burmese
Indo-celtic
Indo-chinese
Indo-dutch
Indo-egyptian
Indo-english
Indo-european
Indo-europeanist
Indo-french
Indo-gangetic
Indo-german
Indo-germanic
Indo-greek
Indo-hellenistic
Indo-hittite
Indo-iranian
Indo-malayan
Indo-malaysian
Indo-mohammedan
Indo-oceanic
Indo-pacific
Indo-portuguese
Indo-saracenic
Indo-scythian
Indo-spanish
Indo-sumerian
Indo-teutonic
Indochina
Indochina War
Indochinese
Indoeuropean
Indogaeae
Indogaean
Indologist
Indologue
Indology
Indone
Indonesia
Indonesian
Indophile
Indophilism
Indophilist
Indore
Indra
Indrani
Indre
Indre-et-Loire
Indris
Indus
Indus Valley
Indus civilization
Indus valley civilization
Industrial Revolution
Industrial Workers of the World
Indy
Ineducabilia
Inejiro Asanuma
Ineri
Inermes
Ingold
Ingolstadt
Ingomar
Ingra
Inraham
Ingram
Ingres
Ingrid
Ingrid Kristiansen
Ingrim
Inguklimiut
Ingunna
Ingush
Ingvaeonic
Ingvar
Ingveonic
Ingwaenic
Ingweonic
Inhambane
Inhiston
Inia
Inigo
Inin
Inina
Inine
Iniomi
Initial Teaching Alphabet
Injun
Inkerman
Inkom
Inkra
Inkster
Inland Revenue
Inland Sea
Inman
Inn
Inna
Inner
Inner Hebrides
Inner Light
Inner Mongolia
Inner Temple
Inner Word
Innes
Inness
Innis
Innisfail
Inniskilling
Innocent I
Innocent II
Innocent III
Innocent IV
Innocent IX
Innocent V
Innocent VI
Innocent VII
Innocent VIII
Innocent X
Innocent XI
Innocent XII
Innocent XIII
Innocents Abroad, The
Innocents' Day
Inns of Court
Innsbruck
Innuit
Ino
Inocarpus
Inoceramus
Inodes
Inola
Inonu
Inoperculata
Inoue
Inquiliinae
Inquisition
Inquisitor-General
Insecta
Insectivora
Insessores
Insko
Inspector-General, The
Inst
Institutes
Institutes of Justinian
Insular Celtic
Insull
Int
Integropallialia
Integropalliata
Intelsat
Inter-American
Inter-andean
Inter-European
Inter-imperial
Intercidona
Inverson
Invertebrata
Invincible Armada
Inwood
Iny
Inyanga
Inyokern
Io
Io moth
Ioab
Ioannides
Ioannina
Iobates
Iodama
Iodamoeba
Iodeosin B
Iodeosin b
Iodol
Iola
Iolande
Iolanthe
Iolaus
Iole
Iolenta
Ion
Iona
Iona cross
Ione
Ione formation
Ionesco
Iong
Ioni
Ionia
Ionian
Ionian Islands
Ionian Sea
Ionian mode
Ionian school
Ionic
Ionicism
Ionicization
Ionicize
Ionidium
Ionism
Ionist
Ionization
Ionize
Ionornis
Ionoxalis
Iorgo
Iorgos
Iorio
Iormina
Iormungandr
Ios
Iosep
Ioskeha
Ioved
Iover
Ioves
Iow
Iowa
Iowan
Iowas
Ioxus
Ioyal
Ipalnemohuani
Ipava
Iphagenia
Iphianassa
Iphicles
Iphidamas
Iphigenia
Iphigenia in Aulis
Iphigenia in Tauris
Iphigeniah
Iphimedia
Iphinoe
Iphis
Iphition
Iphitus
Iphlgenia
Iphthime
Ipiales
Ipidae
Ipiutak
Ipocotonus
Ipoh
Ipomoea
Ipsambul
Ipsus
Ipszwich
Iqbal
Iquique
Iquitos
Ir
IrGael
Ira
Iraan
Irak
Iraki
Irakis
Iraklion
Iran
Irani
Iranian
Iranian Plateau
Iranic
Iranism
Iranist
Iranize
Irano-semite
Iraq
Iraqi
Iraqi Arabic
Iraqian
Iraqis
Irasburg
Iruz
Irbid
Irbil
Irby
Ire
Iredale
Iredell
Ireland
Irelander
Irena
Irenaeus
Irene
Iresine
Ireton
Irfan
Irgun
Irgun Zvai Leumi
Irgunist
Iri
Irian Barat
Irian Jaya
Iriartea
Iriarteaceae
Iricise
Iricised
Iricising
Iricism
Iricize
Iricized
Iricizing
Iridaceae
Iridis
Iridissa
Iridomyrmex
Iridum
Irina
Irina Ratushinskaya
Iris
Irisa
Irish
Irish Christian Brother
Irish English
Irish Free State
Irish Gaelic
Irish Guards
Irish Mist
Irish Pale
Irish Republic
Irish Republican Army
Irish Sea
Irish boat
Irish bridge
Irish bull
Irish coffee
Irish confetti
Irish daisy
Irish dividend
Irish elk
Irish green
Irish harp
Irish lord
Irish moss
Irish pennant
Irish potato
Irish setter
Irish soda bread
Irish stew
Irish terrier
Irish tweed
Irish water spaniel
Irish whiskey
Irish wolfhound
Irish yew
Irish-american
Irish-born
Irish-bred
Irish-canadian
Irish-english
Irish-grown
Irish-speaking
Irisher
Irishian
Irishise
Irishised
Irishising
Irishism
Irishize
Irishized
Irishizing
Irishly
Irishman
Irishmen
Irishness
Irishry
Irishwoman
Irishwomen
Irishy
Irita
Irja
Irklion
Irkutsk
Irl
Irma
Irme
Irmgard
Irmina
Irmine
Irminger Current
Irmo
Irob-saho
Iroha
Iron Age
Iron Age man
Iron Chancellor
Iron Cross
Iron Curtain
Iron Duke
Iron Gate
Iron Gates
Iron Guard
Iron Maiden of Nuremberg
Iron Mountain
Iron River
Iron age
Iron-Guard
Ironbelt
Ironton
Irondequoit
Ironia
Irons
Ironside
Ironides
Iroquoian
Irondo
Irex
Irra
Irrawaddy
Irredentism
Irredentist
Irrigon
Irrisoridae
Irritila
Irish
Irtysh
Irtysh ostyak
Irus
Irv
Irvin
Irvine
Irving
Irvingesque
Irvingiana
Irvingism
Irvingite
Irvinton
Irvona
Irwin
Irwin
Irwinville
Is
Isa
Isaac
Isaacs
Isaacson
Isaak
Isaban
Isabea
Isabeau
Isabel
Isabel Cueto
Isabela
Isabelita
Isabella
Isabella I
Isabelle
Isabelle Demengeot
Isabelline
Isac
Isacco
Isador
Isadora
Isadore
Isahella
Isai
Isaiah
Isaian
Isaianic
Isaias
Isak
Isamu
Isander
Isanti
Isar
Isaria
Isatis
Isauria
Isaurian
Isawa
Isbel
Isbella
Isborne
Iscariot
Iscariotic
Iscariotical
Iscariotism
Ischepolis
Ischia
Ischyodus
Ischys
Iseabal
Isegrim
Iselin
Isenheim Altarpiece
Isenland
Isenstein
Isere
Iseult
Iseum
Isfahan
Ish-bosheth
Ishan
Isherwood
Isherwood framing
Isherwood system
Ishihara test
Ishihara's test
Ishii
Ishmael
Ishmaelite
Ishmaelitic
Ishmaelitish
Ishmaelitism
Ishmul
Ishpeming
Ishtar
Ishum
Ishvara
Isia
Isiac
Isiacal
Isiah
Isiahi
Isidae
Isidor
Isidora
Isidore
Isidore of Seville
Isidorean
Isidorian
Isidoric
Isidoro
Isidorus
Isidro
Isimud
Isin
Isinai
Ising
Isis
Iskander Bey
Iskenderun
Isl
Isla
Isla de Pascua
Islaen
Islam
Islamabad
Islamic
Islamic Republic of Mauritania
Islamic calendar
Islamisation
Islamise
Islamised
Islamising
Islamism
Islamist
Islamistic
Islamite
Islamitic
Islamitish
Islamization
Islamize
Islamized
Islamizing
Islamorada
Island
Island Park
Island carib
Island of the Sun
Islands of the Blessed
Islandton
Islas Malvinas
Islay
Isle
Isle Royale
Isle of Capri
Isle of Man
Isle of Pines
Isle of Shoals boat
Isle of Wight
Islean
Isleana
Isleent
Islek
Isles of the Blessed
Islesboro
Islesford
Isleta
Isleton
Islington
Islip
Isma
Ismael
Ismael Galindez
Ismailism
Ismaelite
Ismaelitic
Ismaelitical
Ismaelitish
Ismail Fahmy
Ismail Pasha
Ismail el Azhari
Ismaili
Ismailia
Ismailian
Ismailite
Ismailiya
Isman
Ismarus
Ismay
Ismene
Ismenus
Ismet
Ismet Inonu
Isnardia
Isobel
Isocardia
Isocardiiidae
Isocrates
Isoetaceae
Isoetales
Isoetes
Isokontae
Isola
Isolda
Isolde
Isoloma
Isolt
Isom
Isomera
Isomyaria
Isonville
Isonzo
Isopleura
Isopoda
Isoprinosine
Isoptera
Isospondyli
Isotria
Ispahan
Israel
Israel ben Eliezer
Open Source Used In CSPC_Collector 2.9.1 17977

It is a beauteous evening
Ita
Itabuna
Itagaki
Itajai
Ital
Itala
Itali
Italia
Italia Bolzano
Italia irredenta
Italian
Italian East Africa
Italian Somaliland
Italian Wars of Independence
Italian aster
Italian blue
Italian bob
Italian bread
Italian clover
Italian corn salad
Italian cypress
Italian dressing
Italian earth
Italian greyhound
Italian hand
Italian honeysuckle
Italian ice
Italian jasmine
Italian leprosy
Italian ocher
Italian paste
Italian pink
Italian pox
Italian reed
Italian rye grass
Italian school
Italian sixth
Italian sonnet
Italian vermouth
Italian vote
Italianate
Italianated
Italianately
Italianating
Italianation
Italianesque
Italianisation
Italianise
Italianised
Italianish
Italianising
Italianism
Italianist
Italianity
Italianization
Italianize
Italianized
Italianizer
Italianizing
Italianly
Italic
Italical
Italically
Italican
Italicianist
Italici
Italicism
Italian
Italo
Italo-
Italo-austrian
Italo-byzantine
Italo-celt
Italo-classic
Italo-grecian
Italo-greek
Italo-hellenic
Italo-hispanic
Italo-serb
Italo-slav
Italo-swiss
Italo-turkish
Italomania
Italon
Italophil
Italophile
Italy
Itapetininga
Itasca
Itaves
Itch
Itea
Iteaceae
Iteles
Iten
Itenean
Ithaca
Ithacan
Ithacensian
Ithaginis
Ithaman
Ithiel
Ithnan
Ithomatas
Ithome
Ithomiidae
Ithomiinae
Ithun
Ithunn
Ithuriel's-spear
Ithyphallus
Itin
Itinerarium
Itmann
Itnez
Ito
Ito sukashi
Itoism
Itoist
Itoland
Itonama
Itonaman
Itonia
Itonididae
Itonius
Ittabena
Ituraean
Iturbi
Iturbiode
Ituri River
Itylus
Itys
Itza
Itzhak
Iuka
Iuliu Maniu
Iulus
Iva
Ivah
Ivan
Ivan Georgiev
Ivan III
Ivan IV
Ivan Lendl
Ivana
Ivanah
Ivanhoe
Ivanna
Ivanoe Bonomi
Ivanov
JPL  
JRC  
JSC  
JSD  
JSN  
JSRC  
JST  
JSW  
JTIDS  
JTM  
JUD  
JUGFET  
JUNET  
JV  
JVNC  
JWV  
Ja  
Jaafar Sharif Enami  
Jaal  
Jaala  
Jaalin  
Jaan  
Jabal  
Jabalpur  
Jaban  
Jabarite  
Jabberwock  
Jabberwockies  
Jabberwocky  
Jabe  
Jaber Al Almed  
Jabez  
Jabin  
Jabir  
Jabir ibn Hayyan  
Jablochkoff candle  
Jablochkoff lamp  
Jablon  
Jablonsky  
Jabon  
Jabrud  
Jac  
Jacalin  
Jacalinne  
Jacalteco  
Jacalteca  
Jacalyn  
Jacamaralcyon
Jacksonboro
Jacksonburg
Jacksonia
Jacksonian
Jacksonian Age
Jacksonian epilepsy
Jacksonism
Jacksonite
Jacksonport
Jacksonstown
Jacksonville
Jacky
Jaclin
Jaelyn
Jacmel
Jaco
Jacob
Jacob Javits
Jacob's ladder
Jacob's staff
Jacob's-ladder
Jacoba
Jacobah
Jacobba
Jacobean
Jacobethan
Jacobi
Jacobian
Jacobic
Jacobin
Jacobina
Jacobine
Jacobinia
Jacobinic
Jacobinical
Jacobinically
Jacobinisation
Jacobinise
Jacobinised
Jacobinising
Jacobinism
Jacobinization
Jacobinize
Jacobinized
Jacobinizing
Jacobite
Jacobite Rebellion
Jacobite glass
Jacobitely
Jacobitiana
Jacobitic
Jacobitical
Jacobitically
Jacobitish
Jacobitisly
Jacobitism
Jacobo
Jacobo Arbenz Guzman
Jacobs
Jacobsburg
Jacobsen
Jacobsohn
Jacobson
Jacobus
Jacobo Hendricus
Jacoby
Jacopo
Jacquard
Jacquard card
Jacquard harness
Jacquard head motion
Jacquard loom
Jacquard weave
Jacquel
Jacquelin
Jacqueline
Jacquely
Jacquelyn
Jacquelynn
Jacqueminot
Jacquenetta
Jacquenette
Jacquerie
Jacques
Jacques Brichant
Jacques Chaban-Delmas
Jacques Chirac
Jacques Cloutier
Jacques Delors
Jacques Martin
Jacquet
Jacquetta
Jacquette
Jacqui
Jacquie
Jacumba
Jacunda
Jacuzzi
Jacy
Jacynth
Jada
Jadd
Jadda
Jaddan
Jaddo
Jade
Jadotville
Jadwiga
Jadwin
Jae
Jaeger
Jaehne
Jael
Jaela
Jaella
Jaen
Jaenicke
Jaf
Jaffa
Jaffa orange
Jaffe
Jaffna
Jaffrey
Jaga
Jaganmati
Jagannath
Jagannatha
Jagatai
Jagataic
Jagello
Jagellon
Jagellonian
Jagellos
Jagganath
Jagger
Jaghatai
Jagiello
Jagiello
Jagiellonian
Jagiello
Jagielos
Jagielon
Jagir
Jago
Jaguey Grande
Jahangir
Jahdai
Jahdal
Jahdiel
Jahdol
Jahel
Jahn
Jahncke
Jahrum
Jahrzeit
Jahve
Jahveh
Jahvis
Jahvist
Jahvisic
Jahvisic
Jahve
Jahveh
Jahwism
Jahwist
Jahwistic
Jai Alai
Jai Hind
Jailsco
Jaime
Jaime Fillol
Jaime Torres Bodet
Jaime Yzaga
Jaimie
Jain
Jaina
Jaine
Jainism
Jainist
Jaipur
Jaipuri
Jair
Jairia
Jajapura
Jajawijaja
Jakarta
Jake
Jakie
Jakin
Jakob
Jakob Hlasek
Jakoba
Jakobson
Jakop
Jakun
Jal
Jala
Jalalabad
Jalalcean
Jalapa
Jalbert
Jalgaon
Jalisco
Jallier
Jam
Jamaal
Jamaica
Jamaica gin
Jamaica ginger
Jamaica gold fern
Jamaica honeysuckle
Jamaica rum
Jamaica shorts
Jamaican
Jamal
Jamal ud-Din
Jamalpur
Jambi
Jambos
Jamel
James
James Bay
James Bere
James Buchli
James Callaghan
James Cicconi
James Denike
James Gilkes
James I
James II
James III
James Iococca
James VI
James VII
James the Great
James the Less
Jamesburg
Jamesian
Jamesina
Jameson
Jamesport
Jamesstore
Jamestown
Jamesville
Jamesy
Jamey
Jami
Jamie
Jamie Macoun
Jamieson
Jamil
Jamil Baroody
Jamila
Jamill
Jamilla
Jamille
Jamima
Jamin
Jamison
Jammal
Jammie
Jammin
Jammu
Jammu and Kashmir
Jamnagar
Jamnes
Jamnia
Jamnis
Jamshedpur
Jamshid
Jamshid Amouzegar
Jamshyd
Jamul
Jamuna River
Jan
Jan Cools
Jan Cwiklinski
Jan Eliasson
Jan Hajdukiewicz
Jan Hus
Jan Kodes
Jan Ludvig
Jan Mayen
Jana
Jana Novotna
Jana Sangh
Janacek
Janata
Janaya
Janaye
Jandel
Jandy
Jane
Jane Doe
Jane Geddes
Janean
Janeczka
Janeen
Janeiro
Janek
Janel
Janelia
Janelew
Janelia
Janelle
Janene
Janenna
Janerich
Janessa
Janesville
Janet
Janeta
Janetta
Janette
Janeva
Janey
Janghey
Jangro
Jania
Janice
Janicki
Janiculan
Janiculum
Janie
Janifer
Janiform
Janik
Janina
Janine
Janis
Janissarian
Janissaries
Janissary
Janissary music
Janith
Janiuszczk
Janizarian
Janizaries
Janizary
Janizary music
Janka
Jankell
Jankey
Jann
Janna
Jannel
Jannelle
Jannery
Janok
Janos
Janos Gyongyosi
Janos Kadar
Janot
Jansen
Jansenism
Jansenist
Jansenistic
Jansenistical
Jansenize
Janson
Janssen
Jansson
Janthina
Janthinidae
Januaries
Januarius
January
Januisz
Janus
Janus cloth
Janus green
Janus-face
Janus-faced
Janus-headed
Janus-like
Januslike
Janusz Bolonek
Jany
Janye
Janys
Janyte
Jap
Japan
Japan Current
Japan Stream
Japan cedar
Japan clover
Japan plum
Japan tallow
Japan tea
Japan wax
Japanee
Japanese
Japanese andromeda
Japanese anemone
Japanese arborvitae
Japanese artichoke
Japanese barberry
Japanese bath
Japanese beetle
Japanese black pine
Japanese burnet
Japanese cedar
Japanese cherry
Japanese chestnut
Japanese clematis
Japanese crab
Japanese deities
Japanese flowering cherry
Japanese garden
Japanese gelatin
Japanese holly
Japanese honeysuckle
Japanese isinglass
Japanese ivy
Japanese lantern
Japanese larch
Japanese laurel
Japanese lawn grass
Japanese leaf
Japanese lily
Japanese maple
Japanese morning-glory
Japanese pagoda tree
Japanese paper
Japanese pear
Japanese persimmon
Japanese quince
Japanese red
Japanese river fever
Japanese silk
Japanese slippers
Japanese spaniel
Japanese spurge
Japanese stranglehold
Japanese tree peony
Japanese wisteria
Japanese wolf
Japanese yew
Japaneseque
Japanesequely
Japanesequery
Japanesy
Japanicize
Japanism
Japanization
Japanize
Japanner
Japannish
Japanolatry
Japanologist
Japanology
Japanophile
Japanophobe
Japanophobia
Japans
Japeth
Japetus
Japha
Japheth
Japhetic
Japhetide
Japhetite
Japn
Japonic
Japonically
Japonicize
Japonism
Japonize
Japonizer
Japur
Japura
Japygidae
Japyx
Jaqitsch
Jaquelee
Jaquelin
Jaqueline
Jaquelyn
Jaquenetta
Jaquenette
Jaques
Jaques-Dalcroze
Jarvis
Jarvisburg
Jary
Jas
Jascha
Jascha Heifetz
Jase
Jasen
Jasik
Jasione
Jasisa
Jasmin
Jasmina
Jasminaceae
Jasmine
Jasminum
Jason
Jason Lafreniere
Jasonville
Jasper
Jasper National Park
Jasper Park
Jasper dip
Jaspers
Jassidae
Jassy
Jastrzebie
Jasun
Jat
Jataka
Jateorhiza
Jatki
Jatni
Jatropha
Jatulian
Jauch
Jaunita
Jaur
Jaures
Jav
Java
Java Sea
Java almond
Java black rot
Java canvas
Java coca
Java cotton
Java fig
Java man
Java sparrow
Java willow
Javahai
Javakishvili
Javan
Javanee
Javanese
Javari
Javary
Javed
Javel green
Javel water
Javelle water
Javier
Javier Frana
Javier Perez de Cuellar
Javier Sotomayor
Javitero
Javler
Jawaharlal
Jawan
Jawann Oldham
Jawara
Jawlensky
Jaworski
Jaxartes
Jay
Jay Hebert
Jay Schroeder
Jay Treaty
Jay's Treaty
Jayawardena
Jaycee
Jaye
Jayem
Jayess
Jayhawker
Jayhawker State
Jaylene
Jayme
Jaymee
Jaymie
Jayn
Jayne
Jaynell
Jaynes
Jaynne
Jayprakash Narayan
Jayson
Jayton
Jayuya
Jazmin
Jazyges
Jazz Age
Jbeil
Jcanette
Jdavie
Je
Jea
Jeames
Jean
Jean Caujolle
Jean Chauvel
Jean Harlow
Jean Helleu
Jean Jadot
Jean Kibwe
Jean Lafitte
Jean Paul
Jean Perron
Jean Pierre Jabouille
Jean Valjean
Jean de Meung
Jean-Claude
Jean-Loup Chretien
Jean-Pierre Hallet
Jeana
Jeane
Jeanelle
Jeanerette
Jeanette
Jeanie
Jeanine
Jeanna
Jeanne
Jeanne d'Arc
Jeannetta
Jeannette
Jeannie
Jeannine
Jeannye
Jeanpaulia
Jeans
Jeavons
Jeaz
Jeb
Jebb
Jebel Musa
Jebus
Jebusi
Jebusite
Jebusitic
Jebusitical
Jebusitish
Jecho
Jecoa
Jecon
Jeconiah
Jed
Jedburgh
Jedd
Jedda
Jeddo
Jeddy
Jedediah
Jedidiah
Jedlicka
Jedthus
Jeeps
Jeff
Jeff Chychrun
Jeff Hornacek
Jeff Pico
Jeff Snedeker
Jeffcott
Jefferey
Jeffers
Jefferson
Jefferson City
Jefferson Day
Jeffersonia
Jeffersonian
Jeffersonianism
Jeffersonton
Jeffersontown
Jeffersonville
Jeffery
Jeffie
Jeffrey
Jeffrey pine
Jeffreys
Jeffries
Jeffry
Jemison
Jemlah goat
Jemma
Jemmie
Jemmy
Jempty
Jemy
Jen
Jena
Jena-Auerstedt
Jenda
Jenei
Jenelle
Jenesia
Jenette
Jenghis Khan
Jenghiz Khan
Jeni
Jenica
Jenice
Jeniece
Jenifer
Jeniffer
Jenilee
Jenin
Jenie
Jenison
Jenkel
Jenkins
Jenkinsburg
Jenkinson
Jenkinsville
Jenkintown
Jens
Jenn
Jenna
Jenne
Jennee
Jenner
Jennerstown
Jenness
Jennette
Jennica
Jennie
Jennifer
Jennilee
Jennine
Jennings
Jeny
Jenny wood
Jeno
Jenoe Fock
Jens
Jensen
Jenson
Jentoft
Jenufa
Jephte
Jephthah
Jephum
Jepson
Jepum
Jequie
Jer
Jerad
Jerahmeel
Jerahmeelites
Jerald
Jeraldine
Jeralee
Jeramey
Jeranie
Jerash
Jerba
Jere
Jere Goyan
Jereld
Jereme
Jeremiah
Jeremiah
Jeremiah Chirau
Jeremian
Jeremianic
Jeremias
Jeremie
Jeremy
Jeres
Jerez
Jerez de la Frontera
Jeri
Jericho
Jeris
Jeritah
Jeritza
Jermain
Jermaine
Jerman
Jermayne
Jermyn
Jeroboam
Jerol
Jerold
Jeroma
Jerome
Jeromesville
Jeromian
Jeromy
Jeronima
Jeronymite
Jerre
Jerri
Jerrie
Jerries
Jerrilee
Jerrilyn
Jerrine
Jerol
Jerrold
Jerroll
Jerrome
Jerry
Jerry Adair
Jerry Cipriano
Jerry Colangelo
Jerry Reuss
Jerry Sichting
Jerrilee
Jersey
Jersey City
Jersey Lily
Jersey Shore
Jersey centaury
Jersey cloth
Jersey cream
Jersey elm
Jersey fir
Jersey lightning
Jersey white giant
Jerseyan
Jerseyite
Jerseyman
Jerseyville
Jerubhaal
Jerubbal
Jerusalem
Jerusalem Bible
Jerusalem Delivered
Jerusalem artichoke
Jerusalem cherry
Jerusalem corn
Jerusalem cross
Jerusalem date
Jerusalem oak
Jerusalem sage
Jerusalemite
Jervis
Jervis Bay
Jerz
Jes
Jesh
Jesher
Jasmine
Jespersen
Jess
Jessa
Jessabel
Jessalin
Jessalyn
Jessamine
Jessamyn
Jesse
Jesse James
Jesse tree
Jesse window
Jessean
Jessee
Jesselton
Jesselyn
Jessen
Jesey
Jessi
Jessica
Jessie
Jessieville
Jessika
Jessore
Jessup
Jessy
Jestude
Jesu
Jesuate
Jesuit
Jesuit bark
Jesuit berry
Jesuit style
Jesuit ware
Jesuited
Jesuitess
Jesuitic
Jesuitical
Jesuitically
Jesuitisation
Jesuitise
Jesuitised
Jesuitish
Jesuitising
Jesuitism
Jesuitist
Jesuitization
Jesuitize
Jesuitized
Jesuitizing
Jesuitocracy
Jesuiy
Jesuits' resin
Jesp
Jesus
Jesus Christ
Jesus Haddad
Jesus Maria Castro Leon
Jesus bug
Jesus day
Jesus freak
Jesus of Nazareth
Jet Age
Jet Liner
Jetersville
Jeth
Jethra
Jethro
Jethronian
Jetmore
Jetson
Jettie
Jeu
Jeune Parque, La
Jeunesse
Jeuz
Jevon
Jevons
Jew
Jew lizard
Jew monkey
Jew of Malta, The
Jew plum
Jew's harp
Jew-bait
Jew-baiter
Jew-baiting
Jewdom
Jewel
Jewell
Jewelle
Jewess
Jewett
Jewhood
Jewish
Jewish Autonomous Region
Jewish calendar
Jewish holiday
Jewish priest
Jewish star
Jewish vote
Jewishly
Jewishness
Jewism
Jewless
Jewlike
Jewling
Jewries
Jewry
Jews
Jewishship
Jewstone
Jewy
Jez
Jezabel
Jezabella
Jezabelle
Jezebel
Jezebelian
Jezebelish
Jezreal
Jezrealite
Jger
Jhansi
Jhelum
Jhuria
Ji
Jiang Zemin
Jibuti
Jibuti
Jicaque
Jicaquean
Jicarilla
Jicarilla Apache Tribe
Jidda
Jigger
Jihlava
Jijiga
Jill
Jill Trenary
Jillana
Jillane
Jillayne
Jilleen
Jillene
Jilli
Jillian
Jillie
Jilly
Jilolo
Jim
Jim Crow
Jim Crow law
Jim Crowism
Jim Deshaies
Jim Lampariello
Jim Lefebvre
Jim Leyland
Jim Lynum
Jim Pavese
Jim Thorpe
Jim crow
Jim crows
Jim-Crow
Jimenez
Jimmie
Jimmy
Jimmy Arias
Jimmy Bungs
Jimmy Demaret
Jimmy Green
Jimmy Valentine
Jimmy Woodser
Jimnez
Jimnez de Cisneros
Jimson weed
Jinan
Jincan
Jinghis Khan
JinJa
Jinnah
Jinny
Jinsen
Jinx
Jiri Hrdina
Jit
Jivaran
Jivaro
Jivaroan
Jivaros
Jkping
Jl
Jno
Jnr
Jo
Jo Ann
Jo block
Jo-Ann
Jo-Anne
JoAnn
JoAnne
Joab
Joachim
Joachima
Joachimite
Joacima
Joacimah
Joakim Nystrom
Joan
Joan Baez
Joan of Arc
Joana
Joane
Joanie
Joann
Joanna
Joanne
Joannes
Joannite
Joao
Joao Figueiredo
Joao Neves Dafontoura
Joao Pessoa
Joao Vasco Goncalves
Joappa
Joaquin
Joaquin Andujar
Joaquin Balaguer
Joaquin Chamorro
Joas
Joash
Joashus
Job
Job Corps
Job's comforter
Job's-tears
Jobcentre
Jobe
Jobey
Jobi
Jobie
Jobina
Jobstown
Joby
Jobye
Jobyna
Jocasta
Jocaste
Jocelin
Joceline
Jocelyn
Jocelyn Lemieux
Jocelyne
Jocelynne
Jochabed
Jochbed
Jochenbed
Jochum
Jock
Jockey Club
Jockey shorts
Jocko
Jodean
Jodee
Jodeen
Jodene
Jodhpur
Jodhpuri coat
Jodhpurs
Jodi
Jodie
Jodine
Jodl
Jodo
Jodo Buddhism
Jodo-shu
Jodoin
Jodrell
Jodrell Bank
Jody
Jodyn
Jodynne
Joe
Joe Blow
Joe Cirella
Joe College
Joe Doakes
Joe Dumars
Joe Isuzu
Joe Kleine
Joe Miller
Joe Millerism
Joe Nieuwendyk
Joe Valdez Caballero
Joe miller
Joe-millerism
Joe-millerize
Joeann
Joed
Joel
Joel Bonnetaz
Joel Otto
Joel Quenneville
Joela
Joelie
Joell
Joella
Joelle
Joellen
Joelc2
Joelc3
Joelton
Joelynn
Joensuu
Joerg
Joes
Joete
Joette
Joey
Joey Hooker
Joeys
Joffre
Jogjakarta
Jogme Dorji
Jogues Egan
Joh
Johan
Johan Kriek
Johanan
Johann
Johanna
Johannah
Johannean
Johannes
Johannesburg
Johannessen
Johannine
Johannine Epistles
Johannisberger
Johannist
Johannite
Johansen
Johanson
Johansson block
Johathan
Johen
Johiah
Johm
John
John Akii-Bua
John Backe
John Barghoorn
John Barleycorn
John Birch Society
John Brademas
John Breaux
John Brown's Body
John Bugher
John Bull
John Bullish
John Bullishness
John Bullism
John Calvin
John Cassese
John Cheasty
John Chrysostom
John XI
John XII
John XIII
John XIV
John XIX
John XV
John XVII
John XVIII
John XXI
John XXII
John XXIII
John bull
John chinaman
John doe
John hancock
John law
John o'Groat's
John o'Groat's House
John o'Groats
John of Austria
John of Damascus
John of Gaunt
John of Leyden
John of Salisbury
John of the Cross
John the Baptist
John's disease
John-apple
John-bullish
John-bullism
John-bullist
Johana
Johnadreams
Johnath
Johnathan
Johnathon
Johnday
Johne's disease
Johnette
Johnian
Johnna
Johnnie
Johnnie-come-lately
Johnnies
Johnnies-come-lately
Johnny
Johnny Canuck
Johnny Reb
Johnny collar
Johnny darter
Johnny jump
Johnny on the spot
Johnny smokers
Johnny verde
Johnny-come-latelies
Johnny-come-lately
Johnny-jump-up
Johnny-on-the-spot
Johns
Johnsburg
Johnsen
Johnsmas
Johnson
Johnson grass
Johnsonburg
Johnsonese
Johnsonian
Johnsoniana
Johnsonianism
Johnsonianly
Johnsonism
Johnsville
Johnsson
Johnsten
Johnston
Johnston's organ
Johnstone
Johnstown
Johny
Johor
Johore
Johore Bahru
Johppa
Johppah
Johst
Joiada
Joice
Joiner
Joinerville
Joint Chiefs of Staff
Joinville
Joinville
Jojo
Jokai
Jokjakarta
Joktan
Jola
Jolanta
Jolda
Jolee
Joleen
Jolene
Jolenta
Joletta
Joli
Jolie
Joliet
Joliette
Joline
Joliot-Curie
Jolivet
Jolla
Jollanta
Jollenta
Jolley
Jolly Roger
Jolly balance
Jolo
Joloano
Jolon
Jolson
Joly
Jolynn
Jomo
Jomo Kenyatta
Jon
Jon Koncak
Jon Sundvold
Jona
Jonah
Jonahesque
Jonahism
Jonancy
Jonas
Jonas Savimbi
Jonathan
Jonathan Leabua
Jonathan Oldbuck
Jonathan Wild
Jonathan spot
Jonathanization
Jonathon
Jonati
Jonben
Jone
Jonel
Jonell
Jones
Jonesboro
Jonesborough
Jonesburg
Joneses
Jonesian
Jonesport
Jonestown
Jonesville
Jonette
Jongkind
Joni
Jonie
Jonina
Jonis
Jonker diamond
Jonkoping
Jonme
Jonna
Jonny
Jonquil
Jonson
Jonsonian
Jonval
Joo
Joon
Joop Den Uyl
Jooss
Joost
Jooste
Jopa
Jophiel
Joplin
Joppa
Jordaens
Jordain
Jordan
Jordan almond
Jordan arc
Jordan curve
Jordan curve theorem
Jordan engine
Jordan's bank
Jordana
Jordanian
Jordanna
Jordans
Jordanson
Jordanville
Jordi Arrese
Jordison
Jordon
Jorey
Jorgan
Jorge
Jorge Alessandri
Jorge Castaneda
Jorge Cauas
Jorge Guillermo
Jorge Illueca
Jorge Luis Borges
Jorge Paez
Jorge Ritter
Jorgensen
Jorgenson
Jori
Jorie
Jorin
Joris
Jorist
Jormungandr
Jorrie
Jorry
Jory
Jos
Joscelin
Jose
Jose Arce
Jose Azcona
Jose Azcona Hoyo
Jose Becerra
Jose Blandon
Jose Canseco
Jose Cortinas
Jose Eduardo dos Santos
Jose Giral
Jose Higueras
Jose Iturbi
Jose Miro Cardona
Jose Napoleon Duarte
Jose Pinheiro de Azevedo
Jose Ramon Guizado
Joses
Josey
Josh
Joshi
Joshia
Joshua
Joshua Eilberg
Joshua tree
Joshuah
Josi
Josiah
Josias
Josie
Josip
Josip Cazi
Josler
Joslyn
Josquin
Josquin des Pr
Josselyn
Josue
Josy
Jotham
Jotnian
Jottin Cury
Jotun
Jotunheim
Jotunn
Jotunnheim
Jou
Joubert
Jouhaux
Joukahainen
Joule
Joule’s law
Joule-Kelvin effect
Joule-Thomson effect
Joung
Jounieh
Jourdain
Jourdan
Jourdanton
Jouve
Jouy print
Jova
Jovanovich
Jove
Jovi
Juan Jose Arevaldo
Juan Nieves
Juan Ponce Enrile
Juan Samuel
Juan de Fuca
Juan de Fuca Strait
Juan-les-Pins
Juana
Juanadiaz
Juang
Juanita
Juanne
Juanorena
Juarez
Juba
Juback
Jubal
Jubbulpore
Jubilate
Jubilate Sunday
Jubile
Jubilee rig
Jucuna
Jud
Juda
Judaea
Judaean
Judaeo-
Judaeo-German
Judaeo-Spanish
Judaeo-arabic
Judaeo-christian
Judaeo-german
Judaeo-persian
Judaeo-spanish
Judaeo-tunisian
Judaeomancy
Judaeophile
Judaeophilism
Judaeophobe
Judaeophobia
Judah
Judah I
Judah ha-Levi
Judah ha-Nasi
Judahite
Judaic
Judaica
Judaical
Judaically
Judaisation
Judaize
Judaised
Judaising
Judaism
Judaistic
Judastically
Judaiization
Judaize
Judaized
Judaizer
Judaizing
Judas
Judas Iscariot
Judas Maccabaeus
Judas Priest
Judas candlestick
Judas goat
Judas kiss
Judas light
Judas torch
Judas tree
Judas-ear
Judas-like
Judašike
Judd
Jude
Jude the Obscure
Judea
Judean
Judenberg
Judeo-Christian belief
Judeo-Christian religion
Judeo-Christian tradition
Judeo-German
Judeo-Spanish
Judeophobia
Judette
Judezmo
Judg
Judge
Judge Advocate General
Judge and His Hangman, The
Judges
Judgment
Judgment Day
Judgment of Paris
Judi
Judica
Judiciary
Judie
Judith
Juditha
Judon
Judophobism
Judsen
Judson
Judsonia
Judus
Judy
Judy
Jueta
Juetta
Juga
Jugatae
Jugderdemiyyn Gurraycha
Jugendstil
Juggernaut
Juggernautish
Juglandaceae
Juglandales
Juglans
Jugoslav
Jugoslavia
Jugoslavian
Jugoslovic
Jugulares
Jugurtha
Jugurthine
Juieta
Juif Errant, Le
Juilo de Armas
Juin
Juiz de Fora
Jujuy
Jukes
Jul
Jule
Julee
Jules
Julesburg
Juletta
Juley
Jumana
Jumbala
Jumbo
Jumna
Jump
Jun
Juna
Junc
Juncaceae
Juncaginaceae
Juncal
Junco
Juncoides
Juncos
Junction
Juncus
Jundiai
June
June beetle
June bug
June drop
June grass
June pink
June sucker
Juneau
Juneberries
Juneberry
Junebud
Junedale
Juneflower
Juneteenth
Junette
Jung
Jung Helge
Junger
Jungermannia
Jungermanniaceae
Jungermanniales
Jungfrau
Junggrammatiker
Jungian
Jungian psychology
Jungle Books, The
Jungle, The
Juni
Junia
Juniata
Junie
Junieta
Junina
Senior
Junior Leaguer
Junior league
Junior leaguer
Juniperaceae
Juniperus
Junius
Junji
Junker
Junkerdom
Junkerism
Junkers
Junko
Junna
Junno
Juno
Juno and the Paycock
Junoesque
Junonia
Junonian
Junot
Junr
Junta
Juntura
Jupiter
Jupiter Fidius
Jupiter Fulgur
Jupiter Fulminator
Jupiter Optimus Maximus
Jupiter Pluvius
Jupiter Symphony
Jupiter Tonans
Jupiter's-beard
Jur
Jur D
Jura
Jura Mountains
Jura-trias
Jura-triassic
Jurane
Juranon
Jurassic
Jurdi
Jurez
Jurgen
Jurkoic
Juru
Jurua
Jusepe de Ribera
Jusserand
Jussi
Jussiaea
Jussiaeanean
Jussieuan
Just
Justa
Justen
Juster
Justice
Justice general
Justice of the Supreme Court
Justice-generalship
Justiceburg
Justicia
Justicz
Justin
Justin Martyr
Justina
Justine
Justinian
Justinian Code
Justinian I
Justinianean
Justinianian
Justinianist
Justinn
Justino
Justis
Justitia
Justus
Juta
Jute
Jutic
Jutish
Jutland
Jutlander
Jutlandish
Jutta
Juturna
Juvara
Juvarra
Juvarra
Juvenal
Juvenalian
Juventa Fons
Juventas
Juverna
Juxon
Juyas
Juza
Juznik
Jwanai
Jay
Jylland
Jymmye
Jynginae
Jynx
Jyoti
K
K O
K St J
K line
K o
K radiation
K ration
K rays
K series
K star
K truss
K'ang-te
K's
K'ung Fu-tse
K-I bombsight
K-line
K-meson
K-particle
K-radiation
K-series
K-shaped
K-term
K-truss
K-type star
K2
K9
KANU
KAO
KAOS
KB
KBE
KBP
KBPS
KBS
KC
KCB
KCL
KCMG
KCSI
KCVO
KD
KDCI
KDD
KDT
KE
KERMIT
KFT
KG
KGB
KHz
KI
KJ
KJA
KJAS
KIF
KIP
KIPS
KISS
KK
KKK
KKt
KKIP
KLIPS
KLOC
KN
KNP
KO
KO's
KOWC
KP
KPNO
KPO
KQC
KR
KRP
KS
KSC
KSF
KSH
KSR
KSU
KT
KTB
KTS
Kaddish
Kaddishim
Kaden
Kadiak bear
Kadiyevka
Kadmi
Kadner
Kado
Kadoka
Kadu
Kaduna
Kaela
Kaenel
Kaesong
Kaete
Kaf
Kafa
Kaffeeklatsch
Kaffia
Kaffir
Kaffir ant
Kaffir bean tree
Kaffir boom
Kaffir bread
Kaffir chestnut
Kaffir cotton
Kaffirs
Kaffraria
Kaffrarian
Kafir
Kafir lily
Kafiri
Kafiristan
Kafirs
Kafka
Kafkaesque
Kafre
Kagawa
Kagera
Kagi
Kagoshima
Kahaleel
Kahl
Kahle
Kahler
Kahlil
Kahlotus
Kahlua
Kalahari
Kalahari Desert
Kalaeo
Kalakh
Kalama
Kalamazoo
Kalamian
Kalaman
Kalanchee
Kalandariyah
Kalang
Kalapooian
Kalasky
Kalat
Kalaupapa
Kalb
Kalbli
Kaldani
Kale
Kaleb
Kaleena
Kalekah
Kalemie
Kalendae
Kaleza
Kalevala
Kalfas
Kalgan
Kalgoorlie
Kali
Kali Yuga
Kaliana
Kalida
Kalidasa
Kalie
Kalikow
Kalil
Kalila
Kalimantan
Kalin
Kalina
Kalinda
Kalindi
Kalinga
Kalinin
Kaliningrad
Kalioppe
Kalisch
Kanauji
Kanawari
Kanawha
Kanazawa
Kanchenjunga
Kanchipuram
Kancler
Kandace
Kandahar
Kandahar Province
Kandelia
Kandinski
Kandinsky
Kandiyoji
Kandy
Kane
Kaneaster Hodges
Kaneoche
Kaneohe
Kaneshite
Kanesian
Kaneville
Kang Teh
Kangaroo Island
Kangchenjunga
Kangli
Kania
Kanji
Kankakee
Kankakee River
Kankan
Kankanai
Kannada
Kannan
Kannapolis
Kanmry
Kano
Kanona
Kanopolis
Kanorado
Kanosh
Kanpur
Kanred
Kans
Kansa
Kansan
Kansas
Kansas City
Kansas gay-feather
Kansas-Nebraska Act
Kansasville
Kansu
Kant
Kanter
Kantian
Kantian idea
Kantianism
Kantism
Kantist
Kantner
Kantor
Kantos
Kanuri
Kanwar
Kanya
Kao Tsu
Kaohsiung
Kaolack
Kaolak
Kaolikung
Kapaa
Kapaau
Kape
Kapell
Kapellmeister
Kapfenberg
Kapila
Kapiri Mposhi
Kapital, Das
Kaplan
Kapoor
Kapor
Kaposi's sarcoma
Kapowsin
Kappel
Kappenne
Kapwepwe
Kara
Kara Kum
Kara Sea
Kara kalmuck
Kara kirghiz
Kara-Kalpak
Kara-Kalpakia
Kara-Kalpakistan
Kara-Lynn
Kara-kalpak
Karabagh
Karachi
Karafuto
Karaganda
Karaism
Karaiste
Karaistic
Karaitsm
Karajan
Karakatchan
Karakoram
Karakoram Mountains
Kararorum
Karakul
Karalee
Karalynn
Karamanlis
Karamazov
Karame
Karameh
Karami
Karamojo
Karamojong
Karankawa
Karas
Karatas
Karatsu ware
Karaya
Karb
Karbala
Kardelj
Kare
Karee
Kareem
Karel
Karelia
Karelian
Karelian Isthmus
Karen
Karena
Karens
Karharbari
Kari
Kari Takko
Karia
Kariba
Karie
Karil
Karilla
Karilynn
Kamim
Karin
Karina
Karine
Kariotta
Karisa
Karissa
Karita
Karl
Karl Albac
Karl Henize
Karl-Marx-Stadt
Karla
Karlan
Karlee
Karleen
Karlen
Karlene
Karlaus
Karlfeldt
Karli
Karlie
Karl
Karlotta
Karloff
Karlovy Vary
Karlo
Karlsbad
Karlsruhe
Karlstad
Karluk
Karly
Karlyn
Karma
Karman street of vortices
Karman trail
Karmathian
Karmen
Karna
Karnack
Karnak
Karnatak music
Karnataka
Karney
Karol
Karola
Karole
Karolina
Karoline
Karoly
Karoly Janza
Karolyn
Karon
Karoo
Karp
Karpov
Karr
Karrah
Karre
Karrie
Karroo
Karroos
Karry
Kars
Karshuni
Karst
Karsten
Karthaush
Karthli
Kartis
Karttikaeya
Kartvel
Kartvelian
Karval
Karwan
Karwiska
Kary
Karyl
Karylin
Karyn
Karynne
Karyolysidae
Karyolysus
Kas
Kasai
Kasaji
Kasavubu
Kasbah
Kasbeer
Kasbek
Kase
Kasevich
Kasey
Kasha
Kashan
Kashden
Kashgar
Kashmir
Kashmir goat
Kashmir rug
Kashmirit
Kashmirian
Kashmiris
Kashoubish
Kashruth
Kashube
Kashubian
Kashyapa
Kasigluk
Kasikumuk
Kasilof
Kask
Kaska
Kaskaskia
Kaslik
Kasota
Kaspar
Kasper
Kasperak
Kass
Kassa
Kassab
Kassak
Kassala
Kassandra
Kassapa
Kassaraba
Kassel
Kassem
Kasseri
Kassey
Kassi
Kassia
Kassie
Kassite
Kayenta
Kayes
Kayibanda
Kayla
Kayle
Kaylee
Kayley
Kaylil
Kaylor
Kaylyn
Kayne
Kayseni
Kaysville
Kaz
Kaz Da
Kazak
Kazakh
Kazakh Soviet Socialist Republic
Kazakhstan
Kazakstan
Kazan
Kazan Retto
Kazan Tatar
Kazan tatar
Kazanlik
Kazantzakis
Kazbek
Kazdag
Kazem Hassibi
Kazim
Kazimir
Kazincbarcika
Kazmirci
Kazue
Kdar
Kea
Keaau
Kealakekua
Kealey
Kealia
Kean
Keane
Keansburg
Keare
Kearney
Kearneysville
Kearns
Kearny
Kearsarge
Keary
Keasbey
Keatchie
Keating
Keaton
Keats
Keatsian
Keavy
Keb
Keble
Kechi
Kechua
Kechuan
Kechuans
Kechuas
Kechumarasan
Kecskem
Kecskemet
Kedah
Kedar
Kedarite
Keddie
Kediri
Kedron
Kedushah
Kedushoth
Kedushshah
Kee
Keedysville
Keefe
Keefer
Keegan
Keego Harbor
Keel
Keelby
Keele
Keeler
Keeley
Keelia
Keelie
Keelin
Keeline
Keeling Islands
Keelung
Keely
Keen
Keenan
Kekule formula
Kekulmula
Kel
Kela
Kelantan
Kelayres
Kelbee
Kelby
Kelcey
Kelci
Kelcie
Kelcy
Kelda
Keldah
Keldon
Keldron
Kele
Kelford
Keli
Keligot
Kelila
Kelima
Kell
Kella
Kellby
Kellda
Kelleher
Kellen
Kellene
Keller
Kellerman
Kellerton
Kelley
Kelli
Kellia
Kellie
Kelliher
Kellina
Kellner eyepiece
Kellnersville
Kellogg
Kellogg Peace Pact
Kellogg-Briand Pact
Kellsie
Kelly
Kelly Hrudey
Kelly Tripucka
Kelly green
Kellyann
Kellyn
Kellysville
Kellyton
Kellyville
Kelsey
Kelseyville
Kelsi
Kelso
Kelson
Kelsy
Kelt
Keltic
Keltically
Keltoi
Kelton
Kelula
Kelvin
Kelvin machine
Kelvin scale
Kelwen
Kelwin
Kelwunn
Kemah
Kemal Atat
Kemalism
Kemalist
Kemble
Kemblesville
Kemeny
Kemeroovo
Kemi
Kemme
Kemmerer
Kemp
Kempe
Kempis
Kempner
Kemppe
Kempster
Kempton
Ken
Ken Caminiti
Ken Daneyko
Ken Flach
Ken Linseman
Ken Schrader
Ken Wregget
Ken Yaremchuk
Kenai
Kenan Evren
Kenansville
Kenay
Kenaz
Kendal
Kendal green
Kendal sneck bent
Kendalia
Kendall
Kendallville
Kendell
Kendleton
Kendra
Kendrah
Kendre
Kendrew
Kendrick
Kendricks
Kendry
Kenduskeag
Kendy
Kendyl
Kenedy
Kenefic
Kenelm
Kenesaw
Kenhorst
Kenilworth
Kenilworth ivy
Kenipsim
Kenison
Kenitra
Kenji
Kenlay
Kenlee
Kenleigh
Kenley
Kenly
Kenmare
Kenmore
Kenn
Kenna
Kennon
Kennard
Kennebec
Kennebunk
Kennebunkport
Kennecott
Kennedale
Kennedy
Kennedya
Kennedyville
Kennelly
Kennelly-Heaviside layer
Kenner
Kennerdell
Kennesaw
Kennesaw Mountain
Kennet
Kenneth
Kenneth Duberstein
Kenneth Kleinknecht
Kennett
Kennett Square
Kennewick
Kenney
Kennie
Kennith
Kenny
Kenny method
Kenny treatment
Kenon
Kenosha
Kenova
Kenric
Kenrick
Kensal
Kenseikai
Kensell
Kensett
Kensington
Kensington and Chelsea
Kensitite
Kent
Kent Hrbek
Kent mental test
Kenta
Kenti
Kentia
Kentricism
Kentiga
Kentigerma
Kentiggerma
Kentish
Kentish fire
Kentish tracery
Kentishman
Kentishmen
Kentland
Kenton
Kentuck
Kentuckian
Kentucky
Kentucky Derby
Kentucky bluegrass
Kentucky coffee tree
Kentucky colonel
Kentucky rifle
Kentucky warbler
Kentucky windage
Kentwood
Kenvil
Kenvir
Kenward
Kenway
Kenwee
Kenweigh
Kenwood
Kenwick
Kenya
Kenyan
Kenyatta
Kenyon
Kenzi
Kenzie
Keo
Keogh
Keogh plan
Keokee
Keokuk
Keon
Keos
Keosauqua
Keota
Kephallenia
Kephallina
Kepler
Kepler telescope
Kepler's laws
Keplerian
Kepner
Kerr cell
Kerr effect
Kerri
Kerria
Kerrick
Kerrie
Kerril
Kerrill
Kerrin
Kerrison
Kerrville
Kerry
Kerry Hill
Kerry blue terrier
Kersey
Kershaw
Kerst
Kersten
Kerstin
Kerwin
Kerwinn
Kerwon
Kery
Keryx
Keshena
Keshenaa
Kesia
Kesley
Keslie
Kessel
Kesselring
Kessia
Kessiah
Kessler
Kester
Kesteven
Keswick
Ket
Ketchan
Ketchikan
Ketchum
Ketoi
Kettering
Ketti
Kettie
Kettlersville
Ketty
Ketu
Ketubim
Keturah
Ketuvim
Keuka College
Keung
Keuper
Kev
Kevan
Keven
Keverian
Keverne
Kevil
Kevin
Kevin Appier
Kevin Hermening
Kevin Loughery
Kevin Lowe
Kevina
Kevon
Kevyn
Kew
Kew Gardens spotted fever
Kewadin
Kewanee
Kewanna
Kewaskum
Kewaunee
Keweenawan
Kewpie
Key
Key Largo
Key West
Keyapaha
Keyek
Keyes
Keyesport
Keyhole nebula
Keylargo
Keymar
Keynes
Keynesian
Keynesian economics
Keynesianism
Keyport
Keyser
Keyserling
Keystone state
Keystoner
Keysville
Keyte
Keytesville
Kezer
Kfar Etzion
Kfar Yasif
Kha
Khabarovo
Khabarovsk
Khabur
Khachaturian
Khafaje
Khafre
Khai
Khaibar Pass
Khajeh
Khakass Autonomous Region
Khalde
Khalidian
Khaled
Khalem Bey Azem
Khalid
Khalid ibn Abdul Aziz
Khalifa Hamaas
Khalifat
Khalil
Khalil Abu Hamad
Khalil Wazir
Khalin
Khalk
Khalkha
Khalkidike
Khalkidiki
Khalkis
Khalq
Khalsa
Khama
Khami
Khammurabi
Khamti
Khan
Khang Khay
Khania
Khanna
Khano
Kharia
Kharijite
Kharkov
Kharoshthi
Khartoum
Khartoum North
Khartoumer
Khartum
Kharwar
Khas-kura
Khasa
Khasi
Khashkovo
Khatti
Khattish
Khattusas
Khaya
Khaya Biko
Khayy
Khayyam
Khazar
Khazarian
Khe Sanh
Kheim Coung
Khelat
Khem
Khenifra
Kherson
Kherwari
Kherwarian
Khezur
Khiam
Khichabia
Khieu
Khila
Khirbet Qumran
Khitan
Khiva
Khivan
Klustino
Khlyst
Khlysti
Khlysts
Khlysty
Khmer
Khmer Republic
Khmer Rouge
Khnum
Kho
Kiangyin
Kiaochow
Kibbutz Yiron
Kibei
Kickapoo
Kicva
Kid
Kidd
Kidde
Kidder
Kiddminster
Kidderminster carpet
Kiddush
Kidnapped
Kidron
Kids
Kief
Kiefer
Kieffer
Kieger
Kiehl
Kiehn
Kiel
Kielce
Kiele
Kieler
Kielstra
Kielty
Kien Thien
Kienan
Kienast Quints
Kiepura
Kier
Kieran
Kierkegaard
Kierkegaardian
Kierkegaardianism
Kiernan
Kiersten
Kies
Kiester
Kieta
Kiev
Kievan
Kiewit
Kiffa australis
Kiffa borealis
Kigali
Kigensetsu
Kihei
Kiho
Kiichi Aichi
Kiirun
Kika de la Garza
Kikai
Kikatsik
Kikelia
Kiker
Kiki
Kiki Vandeweghe
Kikldhes
Kikongo
Kikuyu
Kikuyu grass
Kikuyus
Kikwit
Kila
Kilah
Kilan
Kilar
Kilauea
Kilaya
Kilbourne
Kilbride
Kilby
Kildare
Kildare green
Kile
Kiley
Kigore
Kilhamite
Kilian
Kilimanjaro
Kilk
Kilkenny
Kilkenny cats
Killam
Killanin
Killarney
Killarney fern
Killarney green
Killawog
Killbuck
Killduff
Killeen
Killen
King of Kings
King of Kings and Lord of Lords
King of kings
King of the Jews
King's Bench
King's Birthday
King's Bounty
King's Champion
King's Council
King's Counsel
King's English
King's English, the
King's Lynn
King's Proctor
King's Regulations
King's Remembrancer
King's Scout
King's clover
King's counsel
King's highway
King's mark
King's proctor
King's speech
Kingchow
Kingdom Hall
Kingdon
Kingfield
Kingfisher
Kingham
Kingmont
Kings
Kings Canyon National Park
Kings Mountain
Kings Park
Kings Point
Kingsburg
Kingsbury
Kingsdown
Kingsford
Kingsland
Kingsley
Kingsly
Kingsport
Kingston
Kingston upon Hull
Kingston upon Thames
Kingston-upon-Hull
Kingstown
Kingstree
Kingsville
Kingtchchen
Kingu
Kingwana
Kingwood
Kinhwa
Kinipetu
Kinkaid
Kinkaid Act
Kinkaider
Kinkozan ware
Kinloch
Kinmundy
Kinna
Kinnard
Kinnear
Kinnelon
Kinney
Kinnie
Kinnon
Kinny
Kinorhyncha
Kinosternidae
Kinosternon
Kinross
Kinrosshire
Kinsale
Kinsey
Kinshasa
Kinshasha
Kinsler
Kinsley
Kinsman
Kinson
Kinston
Kinta
Kintnersville
Kintyre
Kiu
Kinzer
Kinzers
Kioga
Kioko
Kiona
Kiotto
Kiowa
Kiowa Apache
Kiowan
Kiowas
Kioway
Kip
Kipchak
Kipchoge Keino
Kiplincotes Derby
Kipling
Kiplingese
Kiplingism
Kipnis
Kipnuk
Kipp
Kipp generator
Kipp's apparatus
Kippar
Kipper
Kippie
Kippy
Kipton
Kir Moab
Kira
Kiran
Kiranti
Kirbee
Kirbie
Kirby
Kirby-Smith
Kirbyville
Kirch
Kircher
Kirchhoff
Kirchhoff's law
Kirchhoff's laws
Kirchner
Kirchoff
Kirghiz
Kirghiz Steppe
Kirghizean
Kirghizes
Kirghizia
Kirgiz Soviet Socialist Republic
Kiri
Kiribati
Kirichenko
Kirilenko
<table>
<thead>
<tr>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kirvin</td>
</tr>
<tr>
<td>Kirwin</td>
</tr>
<tr>
<td>Kiryat Schmona</td>
</tr>
<tr>
<td>Kisangani</td>
</tr>
<tr>
<td>Kiselevsk</td>
</tr>
<tr>
<td>Kish</td>
</tr>
<tr>
<td>Kishambala</td>
</tr>
<tr>
<td>Kishar</td>
</tr>
<tr>
<td>Kishi</td>
</tr>
<tr>
<td>Kishinev</td>
</tr>
<tr>
<td>Kislev</td>
</tr>
<tr>
<td>Kismayu</td>
</tr>
<tr>
<td>Kismet</td>
</tr>
<tr>
<td>Kisor</td>
</tr>
<tr>
<td>Kissee</td>
</tr>
<tr>
<td>Kissel</td>
</tr>
<tr>
<td>Kissiah</td>
</tr>
<tr>
<td>Kissie</td>
</tr>
<tr>
<td>Kissimmee</td>
</tr>
<tr>
<td>Kissing</td>
</tr>
<tr>
<td>Kissner</td>
</tr>
<tr>
<td>Kistakowsky</td>
</tr>
<tr>
<td>Kistler</td>
</tr>
<tr>
<td>Kistna</td>
</tr>
<tr>
<td>Kistner</td>
</tr>
<tr>
<td>Kisumu</td>
</tr>
<tr>
<td>Kisung</td>
</tr>
<tr>
<td>Kiswahili</td>
</tr>
<tr>
<td>Kit</td>
</tr>
<tr>
<td>Kit Mueller</td>
</tr>
<tr>
<td>Kitakyushu</td>
</tr>
<tr>
<td>Kitalpha</td>
</tr>
<tr>
<td>Kitamat</td>
</tr>
<tr>
<td>Kitan</td>
</tr>
<tr>
<td>Kitasato</td>
</tr>
<tr>
<td>Kitchen</td>
</tr>
<tr>
<td>Kitchen Kaffir</td>
</tr>
<tr>
<td>Kitchener</td>
</tr>
<tr>
<td>Kitchi-juz</td>
</tr>
<tr>
<td>Kitchin rudder</td>
</tr>
<tr>
<td>Kite mark</td>
</tr>
<tr>
<td>Kitkahaxki</td>
</tr>
<tr>
<td>Kitkehahki</td>
</tr>
<tr>
<td>Kitlope</td>
</tr>
<tr>
<td>Kittanning</td>
</tr>
<tr>
<td>Kittatinny</td>
</tr>
<tr>
<td>Kittery</td>
</tr>
<tr>
<td>Kitti</td>
</tr>
</tbody>
</table>
Kittie
Kittikachorn
Kittitas
Kittredge
Kittrell
Kitty
Kitty Hawk
Kittyhawk
Kitunahan
Kitwe
Kitzmiller
Kiungchow
Kiungshan
Kiushu
Kivu
Kiwai
Kiwanian
Kiwanis
Kiyohara
Kiyoshi
Kizi-kumuk
Kizil
Kizil Irmak
Kizilbash
Kizzee
Kizzie
Kjeldahl
Kjeldahl digestion
Kjeldahl flask
Kjell Dahlin
Kjell Samuelson
Kjersti
Kjolen
Kkum Hyun Chul
Kkyra
Klabund
Klagenfurt
Klagshamn
Klaipeda
Klamath
Klamath Falls
Klamath Lakes
Klamath weed
Klamaths
Klan
Klangfarbe
Klanism
Klansman
Klansmen
Klanswoman
Klapp
Klappvisier
Klaproth
Klara
Klarka
Klarrisa
Klaskino
Klatt
Klaus
Klaus Croissant
Klausenburg
Klavier
Klaxon
Klayman
Kliber
Kleber
Klebs
Klebs-Löffel bacillus
Klebsiella
Klecka
Klee
Kleeman
Kleenex
Kleffens
Klehm
Kleiber
Kleiman
Klein
Klein bottle
Kleinfelter's syndrome
Kleinian
Kleinstein
Kleist
Kleistian
Klemens
Klement
Klement Gottwald
Klemm
Klemme
Klemperer
Klenk
Kleon
Klepac
Kleper
Kler
Kletter
Kogia
Koh
Koh-i-noor
Kohanim
Kohathite
Koheleth
Kohen
Kohens
Kohima
Kohinoor
Kohistan
Kohistani
Kohl
Kohlan
Kohler
Kohlrausch flask
Kohn
Kohoutek
Koiai
Koibal
Koine
Koipato
Koirala
Koitapu
Kojiki
Kok-Sagyz
Kokand
Kokaras
Kokas
Kokengolo
Kokka
Kokkola
Koko
Koko Nor
Kokoda
Kokomo
Kokoona
Kokoruda
Kokoschka
Kokura
Kol
Kol Nidre
Kola
Kola Peninsula
Kolacín
Kolami
Kolar
Kolar Gold Fields
Kolarian
Kolasin
Kolb
Kolbe
Kolchak
Koldaji
Koldewey
Kolding
Koleen
Kolhapur
Kolhapur and Deccan States
Koli
Kolima
Kolis
Kolivas
Kolk
Koller
Kollwitz
Kolmar
Koln
Kolnich
Kolnos
Koloa
Kolodgie
Kolomak
Kolombangara
Kolomea
Kolomna
Kolosick
Koloski
Kolozsv
Kolozsvar
Koluschan
Kolush
Kolva
Kolwezi
Kolyma
Kolyma Range
Komara
Komarek
Komati
Kome
Komi
Komintern
Kommunarsk
Kommunizma Peak
Komodo dragon
Komondor
Komondorok
Komondors
Komsa
Komsomol
Komsomolsk
Komura
Kon Tiki
Kona
Konakri
Konakry
Konarak
Konariot
Konawa
Konda vogul
Konde
Kondon
Kone
Koner
Konev
Kong
Kongo
Kongoese
Kongolese
Konia
Konia-ladik
Koniaga
Konig
Koniga
Koniggratz
Konigsberg
Konigshutte
Konikow
Konkani
Kono
Konomihu
Konopka
Konoye
Komrad
Konstance
Konstantin
Konstantin Chernenko
Konstantin Feoktistov
Konstantine
Konstantine Karamanlis
Konstanz
Konstanze
Konya
Konyak
Konyn
Konzen
erationslager
Konzertmeister
Koo
Kooima
Koolooly
Kooning
Koord
Koorg
Koosharem
Koois
Kooskia
Kootenai
Kootenay
Kootenay Lake
Kopagmiut
Kopans
Kopaz
Kopeisk
Kopeysk
Koplik's spots
Kopp
Koppel
Kopperl
Koppers
Kopperston
Kopple
Koprin
Kora
Korah
Karah
tic
Koral
Koralie
Koralle
Koran
Korana
Koranic
Koranist
Korbel
Korbut
Korc
Korchnoi
Kordofan
Kordofan gum
Kordofanian
Kordula
Kore
Koschei
Kosciusko
Kosel
Koser
Kosey
Koshkonong
Koshu
Kosice
Kosimo
Kosiur
Koslo
Koso
Kosovo
Kosovo-Metohija
Kosrae
Koss
Kossaean
Kosse
Kossean
Kossean
Kossel
Kossuth
Kossuth hat
Kostelanetz
Kosteletzkya
Kosti
Kostival
Kostman
Kostroma
Kosygin
Kota
Kota Bharu
Kota Kinabalu
Kotabaru
Kotar
Kotchian
Kotick
Kotlik
Kotoko
Kotta
Kotto
Kottstorfer number
Kottstorfer value
Kotz
Kotzebue
Koungmiut
Kountze
Kouprasith Abhay
Kourou
<table>
<thead>
<tr>
<th>Kremenchug</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kremer</td>
</tr>
<tr>
<td>Kremlin</td>
</tr>
<tr>
<td>Kremlinologist</td>
</tr>
<tr>
<td>Kremlinology</td>
</tr>
<tr>
<td>Kremmling</td>
</tr>
<tr>
<td>Kremnitz white</td>
</tr>
<tr>
<td>Krems</td>
</tr>
<tr>
<td>Krems white</td>
</tr>
<tr>
<td>Kremser</td>
</tr>
<tr>
<td>Kremser white</td>
</tr>
<tr>
<td>Krenek</td>
</tr>
<tr>
<td>Krenn</td>
</tr>
<tr>
<td>Krepi</td>
</tr>
<tr>
<td>Kresge</td>
</tr>
<tr>
<td>Kresgeville</td>
</tr>
<tr>
<td>Kresic</td>
</tr>
<tr>
<td>Kress</td>
</tr>
<tr>
<td>Kreutzer</td>
</tr>
<tr>
<td>Kreutzer Sonata</td>
</tr>
<tr>
<td>Kreutzer Sonata, The</td>
</tr>
<tr>
<td>Krever</td>
</tr>
<tr>
<td>Kreymborg</td>
</tr>
<tr>
<td>Kriangsak Chomanan</td>
</tr>
<tr>
<td>Krieg</td>
</tr>
<tr>
<td>Kriege</td>
</tr>
<tr>
<td>Krieger</td>
</tr>
<tr>
<td>Kriemhild</td>
</tr>
<tr>
<td>Kries</td>
</tr>
<tr>
<td>Krigia</td>
</tr>
<tr>
<td>Krigsman</td>
</tr>
<tr>
<td>Krilov</td>
</tr>
<tr>
<td>Krinthos</td>
</tr>
<tr>
<td>Krio</td>
</tr>
<tr>
<td>Kriophoros</td>
</tr>
<tr>
<td>Krips</td>
</tr>
<tr>
<td>Kris</td>
</tr>
<tr>
<td>Krischer</td>
</tr>
<tr>
<td>Krisha</td>
</tr>
<tr>
<td>Krishna</td>
</tr>
<tr>
<td>Krishna Menon</td>
</tr>
<tr>
<td>Krishnah</td>
</tr>
<tr>
<td>Krishnaism</td>
</tr>
<tr>
<td>Krishnaist</td>
</tr>
<tr>
<td>Krishnaite</td>
</tr>
<tr>
<td>Krishnaitic</td>
</tr>
<tr>
<td>Krispin</td>
</tr>
<tr>
<td>Kriss</td>
</tr>
</tbody>
</table>
Kurr
Kursaal
Kursh
Kursk
Kurt
Kurt Debus
Kurt Nimphius
Kurt Waldheim
Kurten
Kurth
Kurthwood
Kurtis
Kurtistown
Kurtz
Kurtzig
Kurtzman
Kuruba
Kurukh
Kurumba
Kurume azalea
Kurus
Kurusu
Kurys
Kurzawa
Kurzeme
Kus
Kusan
Kusch
Kush
Kushner
Kushshu
Kusin
Kuska
Kuskokwim
Kuskwogmiut
Kussell
Kustanai
Kustenau
Kuster
Kutais
Kutaisi
Kutch
Kutchin
Kutchins
Kutenai
Kutenay
Kuth
Kuttawa
Kutuzov
Kutzenko
Kutzer
Kutztown
Kuvera
Kuwait
Kuwaiti
Kuyp
Kuznetsk Basin
Kval
Kwa
Kwabena
Kwajalein
Kwajalein-Eniwetok
Kwakiutl
Kwakiutl nootka
Kwame
Kwan
Kwang
Kwangchow
Kwangchowan
Kwangju
Kwangsi-Chuang Autonomous Region
Kwangtung
Kwannon
Kwantung
Kwantung Leased Territory
Kwapa
Kwapong
Kwara
Kwarteng
Kwasi
Kwazulu
Kwei
Kweichow
Kweihwating
Kweilin
Kweisui
Kweiyang
Kwethluk
Kwigillingok
Kwok
Kwon
Ky
Kyack
Kybele
Kyburz
Kyd
Kyklopes
Kyklops
Kyl
Kyla
Kylah
Kylander
Kyle
Kyle Wieche
Kylen
Kylertown
Kylie
Kylila
Kylstra
Kylynn
Kym
Kymric
Kymry
Kynan
Kyne
Kynewulf
Kynthia
Kyoga
Kyongsong
Kyoto
Kyphosidae
Kyprianou
Kyra
Kyriako
Kyriale
Kyrie
Kyrie Eleison
Kyrie eleison
Kyrstin
Kyte
Kythera
Kythira
Kyurin
Kyurinish
Kyushu
Kyzyl
Kyzyl Kum
L
L acid
L bar
L beam
L block
L electron
L sill
L wave
L'Age d'or
L'Allegro
L'Aquila
L'Avare
L'Enfant
L'Esprit des Lois
L'Etranger
L'Hospital
L'Immoraliste
L'Otage
L'Ouverture
L's
L'vov
L-D converter
L-P
L-dopa
L-head cylinder
L-line
L-radiation
L-series
L-shell
L/C
L/Cpl
L/P
L1
L2
L3
L4
L5
LA
LAB
LAC
LACW
LADAR
LADT
LAFTA
LAIS
LAL
LAM
LAMA
LAMDA
LAN
LANCE
LANL
LAO
LAP
LAPB
LAPD
LAPM
LAR
LARC
LASER
LASS
LAT
LATA
LATIS
LAVC
LAW radar
LAX
LB
LBHS
LBJ
LBL
LBO
LBP
LBS
LC
LCA
LCAMOS
LCC
LCCIS
LCCL
LCCLN
LCD
LCDN
LCDR
LCF
LCI
LCIE
LCJ
LCL
LCLOC
LCM
LCN
LCP
LCR
LCS
LCSE
LCSEN
LCT
LCVP
LD
LDC
LDEF
LDF
LPT
LPV
LPs
LR
LRAP
LRB
LRBM
LRC
LRS
LRSP
LRSS
LRU
LS
LSAP
LSB
LSC
LSD
LSD user
LSD-25
LSE
LSI
LSM
LSP
LSR
LSRP
LSS
LSSD
LST
LSV
LT
LTA
LTAB
LTC
LTD
LTF
LTG
LTJG
LTL
LTP
LTPD
LTS
LTV
LTVR
LTh
LU
LUG
LUN
LUT
LV
LW
LWL
LWM
LWP
LWSP
LWT
LXE
LXX
LZ
La
La Belle Dame Sans Merci
La Bouille
La Bruy
La Casa de Bernarda Alba
La Ceiba
La Celestina
La Chaise
La Chartreuse de Parme
La Chute
La Condition Humaine
La Coruna
La Crescent
La Crosse
La Cumbre
La Farge
La Fayette
La Feria
La Folle de Chaillot
La Follette
La Fontaine
La Fresnaye
La Gioconda
La Grande
La Grange
La Granja
La Guaira
La Guardia
La Habra
La Hogue
La Houge
La Jolla
La Junta
La Linea de la Concepcion
La Lnea
La Mancha
La Manche
La Mano Nera
Labdacus
Labe
Labiatae
Labiche
Labidura
Labiduridae
Labolt
Labor Day
Labor Party
Labor and Public Welfare
Labor charter
Labor church
Labor day
Labor ministry
Labor party
Labor-Management Relations Act
Laborism
Laborite
Labors
Laboulbenia
Laboulbeniaceae
Laboulbeniales
Labour Day
Labour Exchange
Labour Party
Labour party
Labourism
Labourite
Labrador
Labrador Current
Labrador Retriever
Labrador current
Labrador dog
Labrador duck
Labrador feldspar
Labrador herring
Labrador jay
Labrador pine
Labrador retriever
Labrador spar
Labrador spruce
Labrador tea
Labrador violet
Labrador whitefish
Labrador-Ungava
Labradorean
Labradorian
Labridae
Labroidea
Labrosaurus
Labrus
Labuan
Laburnum
Labyrinth
Labyrinthibranchii
Labyrinthici
Labyrinthodon
Labyrinthodonta
Labyrinthula
Labyrinthulidae
Lacagnia
Lacaille
Lacamp
Lacarne
Lacassine
Laccadive
Lacedaemon
Lacedaemonian
Lacee
Lacefield
Lacerta
Lacertae
Lacertid
Lacertidae
Lacertilia
Lacertilian
Lacey
Laceyville
Lach
Lachaise
Lachance
Lachenalia
Lachesis
Lachine
Lachish
Lachlan
Lachman
Lachnanthes
Lachnosterna
Lachryma Christi
Lachryma christi
Lachus
Lacie
Lacinaria
Lack-learning parliament
Lackawanna
Lackawaxen
Laclede
Laclos
Lacombe
Lacon
Lacona
Laconia
Laconian
Laconic
Lacoochee
Lacosomatidae
Lacoste
Lacota
Lacrescent
Lacretelle
Lacrima Christi
Lacroix
Lacrosse
Lactantius Firmianus
Lactarius
Lactobacillus
Lactuca
Lacus Mortis
Lacus Solis
Lacus Somniorum
Lacy
Lacy knot
Lacygne
Lad
Ladakh
Ladd
Ladd-franklin theory
Laddie
Laddonia
Laddy
Laden
Ladenburg flask
Ladew
Ladies Aid
Ladies Auxiliary
Ladies' Day
Ladiesburg
Ladik
Ladin
Ladino
Ladino clover
Ladinos
Ladislas
Ladislaus
Ladislaus I
Ladislaus de Bardossy
Ladoga
Ladon
Ladonia
Ladonna
Ladora
Ladrone Islands
Ladrones
Ladson
Ladue
Lady
Lady Baltimore cake
Lady Banks' rose
Lady Bountiful
Lady Chapel
Lady Chatterley's Lover
Lady Day
Lady Fortune
Lady Luck
Lady Mass
Lady Washington geranium
Lady Windermere's Fan
Lady altar
Lady bell
Lady chapel
Lady day
Lady eve
Lady in the Chair
Lady mass
Lady nicotine
Lady of the Camellias
Lady of the Camellias
Lady of the Camellias, The
Lady of the Lake
Lady of the Lake, The
Lady psalter
Lady quarter
Lady's Not for Burning, The
Ladyship
Ladysmith
Ladytide
Lae
Lael
Laelaps
Laelia
Laelius
Lagoon Islands
Lagopus
Lagorchestes
Lagos
Lagos bass
Lagos ebony
Lagos rubber
Lagostomus
Lagotherix
Lagrange
Lagrange multipliers
Lagrange theorem
Lagrange's method
Lagrangeville
Lagrangian
Lagrangian function
Lagrima cristi
Lagro
Lagthing
Lagting
Laguerre
Laguerre equation
Laguiole
Laguna
Laguna Beach
Laguncularia
Lagunero
Lagunitas
Lagurus
Lahabra
Lahaina
Lahaina disease
Lahamu
Laharpe
Lahaska
Lahey
Lahmansville
Lahmu
Lahnda
Lahoma
Lahontan
Lahore
Lahore party
Lahouari Godih
Lahti
Lahuli
Lai
Laibach
Laidlaw
Laie
Lail
Laina
Laine
Lainey
Laing
Laings
Laingsburg
Laird
Lairdsville
Lais
Laise
Laissez faire
Lait
Laith
Laius
Lajas
Lajoie
Lajos
Lajos Dinnyes
Lajose
Lak
Lake
Lake Agassiz
Lake Amin
Lake Aral
Lake Arthur
Lake Bluff
Lake Carmel
Lake Charles
Lake Country
Lake District
Lake Erie
Lake Forest
Lake Geneva
Lake Isle of Innisfree, The
Lake Jackson
Lake Mills
Lake Mobutu
Lake Orion
Lake Park
Lake Perugia
Lake Placid
Lake Poets
Lake Providence
Lake School
Lake Success
Lake Tiberias
Lake Trasimenes
Lake Tsana
Lake Village
Lake Wales
Lake Worth
Lake Worth Village
Lake Zurich
Lake algonquin
Lake of Death
Lake of Dreams
Lake of the Four Forest Cantons
Lake of the Sleepers
Lake of the Woods
Lake whittlesey
Lakehurst
Lakeland
Lakeland terrier
Lakemore
Lakeview
Lakewood
Lakin
Lakme
Lakota
Laks
Lakshadweep
Lakshadweep Islands
Lakshmi
Lakshmi Kant Jha
Laktasic
Lal
Lala
Lalage
Lalande
Lali
Lalique glass
Lalise
Lalita
Lalitta
Lalittah
Lalla
Lallage
Lallan
Lalland
Lallans
Lallies
Lally
Lally column
Lalo
Laloma
Lalu
Laluz
Lam
Lamadera
Lamaism
Lamaist
Lamaistic
Lamaite
Lamanism
Lamanite
Lamano
Lamar
Lamarck
Lamarckia
Lamarckian
Lamarckianism
Lamarckism
Lamarque
Lamarre
Lamartine
Lamas
Lamaze technique
Lamb
Lamb of God
Lamba
Lambadi
Lambard
Lambarn
Lambart
Lambert
Lambert conformal projection
Lambert pine
Lamberto
Lamberton
Lamberton
Lambertville
Lambeth
Lambeth Conference
Lambeth Palace
Lambeth Quadrilateral
Lambeth Walk
Lambeth degree
Lambeth walk
Lamblia
Lambrecht
Lambric
Lambrook
Lambrusco
Lambsburg
Landin
Lame Duck Amendment
Lamech
Lamellaria
Lamellariidae
Lamellibranchia
Lamellibranchiata
Lamellicornes
Lamellicornia
Lamellirostres
Lamentations
Lamero
Lamesa
Lamiaceae
Lamicoid
Lamiidae
Lamiides
Lamiinae
Laminaria
Laminariaceae
Laminariales
Lamison
Lamista
Lamium
Lammas
Lammas Day
Lammastide
Lammond
Lamna
Lamnidae
Lamoille
Lamond
Lamoni
Lamont
Lamonte
Lamoree
Lamothe Bougon
Lamotte
Lamotte sandstone
Lamoure
Lamoureux
Lamp
Lampang
Lampasas
Lampe
Lampedusa
Lampert
Lampeter
Lampetia
Lamphere
Lampong
Lamprey
Lampridae
Lampsilis
Lampsilus
Lampyridae
Lampyrus
Lamrert
Lamrouex
Lamson
Lamus
Lamut
Lamy's theorem
Lan
Lana
Lanacyl violet B
Lanacyl violet b
Lanae
Lanagan
Lanai
Lanam
Lananna
Lanao
Lanark
Lanarkia
Lanarkshire
Lancashire
Lancashire chair
Lancashire hearth
Lancaster
Lancaster'
Lancasterian
Lancastrian
Lance
Lancelle
Lancelot
Lancey
Lanchow
Lancing
Lancs
Lanctot
Land
Land dyak
Land league
Land of Beulah
Land of Liberty
Land of Milk and Honey
Land of Youth
Land of the Leal
Land of the Midnight Sun
Land of the Rising Sun
Land of the Rose
Land's End
Land-leaguer
Land-leaguism
Landa
Landahl
Landan
Landau
Landbert
Landel
Landenberg
Lander
Landers
Landes
Landeshauptmann
Landess
Landing
Landingville
Landini
Landini cadence
Landino
Landis
Landisburg
Landisville
Landmarker
Landmeier
Lando
Landolphia
Landon
Landor
Landowska
Landrace
Landre
Landri
Landrum
Landrum-Griffin Act
Landry
Landsborough grass
Landseer
Landseer
Landsm'
Landsm'al
Landsmaal
Landsmal
Landsman
Landsteiner
Landsthing
Landsting
Landsturm
Landtag
Landuman
Landus
Landville
Landwehr
Landy
Lane
Lane Dwinell
Lane Lambert
Laneburg
Lanesboro
Lanesville
Lanett
Lanette
Laneview
Laneville
Lanexa
Laney
Lanford
Lanfranc
Lanfri
Lang
Langan
Langbehn
Langdon
Lange
Langelo
Langeloth
Langer
Langford
Langham
Langhan's layer
Langhans layer
Langhian
Langhorne
Langill
Langille
Langland
Langley
Langlois
Langmuir
Lango
Langobard
Langobardic
Langrenus
Langreo
Langres
Langres Plateau
Langsdon
Langsdorffia
Langshan
Langside
Langston
Langsville
Langton
Langtry
Languedoc
Languedoc-Roussillon
Languedocian
Langworthy
Lanham
Lani
Lani Bird
Lanie
Lanier
Laniidae
Laniinae
Lanikai
Lanita
Lanital
Lanius
Lanka
Lankester
Lankin
Lankton
Lanna
Lanni
Lannie
Lannon
Lanny
Lansberg
Lansdale
Lansdowne
Lanse
Lansford
Lansing
Lanta
Lantana
Lantha
Lanthanotidae
Lanthanotus
Lanti
Lantry
Lantsang
Lantz
Lanuvian
Lanza
Lao
Laotse
Lao-tse
Lao-tzu
Laoag
Laocoon
Laodamas
Laodamia
Laodice
Laodicea
Laodicea
Laodicean
Laodiceanism
Laodocus
Laoighis
Laomedon
Laon
Laona
Laos
Laotche
Laotian
Laotto
Laotze
Lapageria
Laparosticti
Lapaz
Lapeer
Lapeirousia
Lapeyrouse
Lapham
Laphria
Laphystius
Lapides
Lapine
Lapith
Lapithae
Lapithaean
Lapiths
Laplace
Laplace equation
Laplace operator
Laplace pressure
Laplace station
Laplace transform
Laplace's equation
Laplacian
Laplacian distribution
Lapland
Lapland cornel
Lapland longspur
Lapland pine
Laplander
Laplandian
Laplandic
Laplandish
Lapointe
Laporte
Lapotin
Lapp
Lappa
Lappeenranta
Lappic
Lappish
Laponese
Laponian
Lappula
Lapryor
Lapsana
Lapsang souchong
Lapsey
Laptev Sea
Laputa
Laputan
Lapwai
Laquey
Lar
Lara
Laraine
Laralia
Laramide
Laramide system
Laramie
Laramie Range
Larbaud
Larcher
Larchmont
Larchwood
Lardizabalaceae
Lardner
Laredo
Lareena
Lareine
Larena
Larentalia
Larentia
Larentiidae
Lares
Laresa
Largent
Largo
Lari
Laria
Larianna
Laridae
Laridae
Larimer
Larimor
Larimor
Larimore
Larina
Larinae
Larine
Laris
Larisa
Larissa
Larix
Lark
Larkin
Larkins
Larkspur
Larksville
Larmor precession
Larmor theorem
Larnaudian
Larmed
Larner
Larochelle
Larose
Larousse
Laroy
Larrabee
Larrie
Larrisa
Larry
Larry Doubley
Larry Doughty
Larry Doughty
Larry Krystkowiak
Larry Melnyk
Larry Pleau
Lars
Lars Loeberg
Larsa
Larsen
Larstan
Larson
Larto
Larue
Larunda
Larus
Larussell
Larvacea
Larvalia
Larwill
Larwood
Laryssa
Las
Las Animas
Las Casas
Las Cruces
Las Meninas
Las Palmas
Las Vegas
Lasal
Lasala
Lasalle
Lascassas
Lascaux
Lascaux Cave
Laserpitium
Lash
Lashar
Lashio
Lashkar
Lashmeet
Lashoh
Lashond
Lashonda
Lashonde
Lashondra
Lasi
Lasiocampa
Lasiocampidae
Lasiocampoidea
Lasius
Lasker
Laski
Lasko
Lasky
Lasley
Lasmarias
Lasonde
Laspeyresia
Laspisa
Lassa
Lassa fever
Lassalle
Lasse
Lassell
Lassen Peak
Lassen Volcanic National Park
Lasser
Lassie
Lassiter
Lassus
Last Days of Pompeii, The
Last Gospel
Last Judgment
Last Supper
Last of the Mohicans, The
Lastex
Lastrup
Laszlo
Lat
Latah
Latakia
Latania
Latashia
Latax
Late George Apley, The
Late Greek
Late Latin
Latea
Later Han
Lateran
Lateran Council
Lateran Palace
Lateran palace
Laterigradae
Latexo
Latham
Lathan
Lathe
Lathraea
Latinless
Latino
Latino sine flexione
Latinus
Latirostres
Latirus
Latisha
Latitia
Latitudinarian
Latium
Laton
Latona
Latonia
Latoniah
Latonian
Latooka
Latouche
Latour
Latoya
Latoye
Latoyia
Latreece
Latreese
Latrell
Latrena
Latreshia
Latrice
Latricia
Latrididae
Latrina
Latris
Latrobe
Latrodectus
Latt
Latta
Latter-day Saint
Latterll
Lattie
Lattimer
Lattimore
Latton
Lattonia
Latty
Latuka
Latvia
Latvian
Latviia
Latvina
Lau
Lauber
Laubin
Laud
Lauda
Lauder
Lauderdale
Laudian
Laudianism
Laudianus
Laudism
Laudist
Laue
Lauenburg
Lauer
Lauffer
Laughlin
Laughlintown
Laughry
Laughton
Launce
Launceiot
Launcelot
Launceston
Launderette
Laundes
Laundromat
Laupahoehoe
Laura
Lauraceae
Lauraine
Laural
Lauralee
Laurance
Laurasia
Laure
Laureano Gomez
Lauree
Laureen
Laurel
Laurel and Hardy
Laurella
Laurelton
Laurelville
Lauren
Laurena
Laurence
Laurence Olivier
Lavabo
Lavada
Laval
Lavalette
Lavalle
Lavallette
Lavandula
Lavater
Lavatera
Laveen
Lavehr
Lavella
Lavelle
Laven
Lavena
Laver
Laveran
Laverania
Lavergne
Laverkin
Lavern
Laverna
Laverne
Lavernia
Lavery
Laveta
Lavi
Lavilla
Lavina
Lavine
Lavinia
Lavinie
Lavoie
Lavoisier
Lavon
Lavona
Lavonia
Lavonne
Lavrenti Beria
Law
Law French
Law Lords
Law Society
Law bible
Law of Moses
Lawai
Laward
Lawen
Lawes
Lawford
Lawler
Lawley
Lawlor
Lawman
Lawndale
Lawnside
Lawrence
Lawrence Fouraker
Lawrence Park
Lawrence frame
Lawrenceburg
Lawrenceville
Lawrencian
Lawrenson
Lawrentian
Lawrie
Lawry
Laws
Lawson
Lawsonev
Lawsonia
Lawsonville
Lawtell
Lawtey
Lawton
Lawtons
Lawtun
Lawyersville
Laxness
Lay
Lay of the Last Minstrel, The
Lay parliament
Layamon
Layard
Layia
Layla
Layland
Layman
Layne
Layney
Layton
Laytonville
Laz
Lazar
Lazar Kaganovich
Lazar Kolisevsky
Lazare
Lazarillo de tormes
Lazarist
Lazaro
Lazaruk
Lazarus
Lazbuddie
Lazear
Lazes
Lazio
Lazor
Lazos
Lazy susan
Lazzaro
Lbeck
Ld
Ldenscheid
Lderitz
Ldg
Ldp
Le
Le Bal des Voleurs
Le Bateau Ivre
Le Bourgeois Gentilhomme
Le Bourget
Le Brun
Le Cap
Le Carr
Le Chatelier's principle
Le Cid
Le Comte de Monte-Cristo
Le Corbusier
Le Crac
Le Creusot
Le Duc Tho
Le Gallienne
Le Havre
Le Jeune
Le Juif Errant
Le Mans
Le Marche
Le Mars
Le Misanthrope
Le Nain
Le Nozze di Figaro
Le Petit Prince
Le Rouge et le Noir
Le Roy
Le Sage
Le Soulier de Satin
Le Sueur
Le Touquet
Le Vau
Le phoenix
Le seat
LeBrun
LeCroy
LeDoux
LeMay
LeRoy
LeVitus
Lea
Leach
Leachville
Leacock
Lead
Leaday
Leadbelly
Leadore
Leadville
Leadwood
Leaf
League of Nations
Leah
Leahey
Leahy
Leake
Leakesville
Leakey
Leal
Leamington
Leamington Spa
Lean
Leanard
Leander
Leandra
Leandre
Leandro
Leaning Tower of Pisa, The
Leann
Leanna
Leanne
Leanor
Leanora
Leao
Leaper
Lear
Learchus
Learned
Learoy
Learoyd
Leary
Leasburg
Leasia
Leather-Stocking Tales
Leatherette
Leatherhead
Leatheroid
Leatherstocking
Leatherwood
Leatri
Leatrice
Leavelle
Leavenworth
Leaves of Grass
Leavis
Leavitt
Leavittsburg
Leavy
Leawood
Lebam
Leban
Lebanese
Lebanon
Lebanon Mountains
Lebanon cedar
Lebar
Lebaron
Lebbie
Lebeau
Lebec
Lebensraum
Lebesgue
Lebesgue integral
Lebistes
Leblanc
Lebna
Lebo
Leboff
Lebowa
Lebrun
Leburn
Lecaniinae
Lecanium
Lecanora
Lecanoraceae
Lecanto
Lecce
Lech
Lech Walesa
Lechea
Lecheates
Lecher wires
Lechner
Lechriodonta
Lecia
Lecidea
Lecideaceae
Leckie
Leckkill
Leckrone
Lecky
Leclair
Leclaire
Lecoma
Lecompton
Leconte de Lisle
Lectra
Lecuona
Lecythidaceae
Lecythis
Led Zeppelin
Leda
Leda and the Swan
Ledah
Ledbetter
Ledda
Leddy
Ledeen
Lederach
Lederberg
Lederer
Ledger
Ledgewood
Ledidae
Ledoux
Ledum
Ledyard
Lee
Lee Fogolin
Lee Iacocca
Lee's Birthday
Lee-Enfield
Lee-Jackson Day
Lee-Metford
LeeAnn
Leeann
Leeanne
Leechburg
Leeco
Leede
Leeley
Leeds
Leeds pottery
Leegrant
Leeke
Leela
Leelah
Leeland
Leemont
Leena
Leeper
Leeroy
Leersia
Lees Summit
Leesa
Leesburg
Leese
Leesen
Leesport
Leesville
Leet
Leeth
Leeton
Leetonia
Leetsdale
Leeuwarden
Leeuwenhoek
Leeuwenfontein
Leeving
Leeveder Islands
Leewood
Leff
Leffen
Leffert
Lefkowitz
Lefor
Lefors
Left Bank
Leftist
Lefton
Leftwich
Lefty
Legaspi
Legazpi
Legend of Good Women, The
Legend of Sleepy Hollow, The
Legend of the True Cross
Legenda Aurea
Legenda aurea
Legendre
Legendre equation
Legendre polynomial
Legendrian
Leger
Leggat
Legge
Legget
Leghorn
Legion etrangere
Legion of Honor
Legion of Honour
Legion of Merit
Legis
Legislative Assembly
Legislative Chamber
Legnica
Legra
Legrand
Legree
Leguatio
Leguia
Leguminosae
Lehar
Lehet
Lehi
Lehigh
Lehighton
Lehman
Lehmann
Lehmbruck
Lehr
Lehrer
Lehrfreiheit
Lei Kung
Leia
Leibman
Leibnitz
Leibnitz Mountains
Leibnitzian
Leibnitzianism
Leibniz
Leibnizian
Leibnizian optimism
Leibnizian optimist
Leibnizianism
Leicester
Leicester red
Leicestershire
Leichhardt
Leics
Leid
Leiden
Leiden des Jungen Werther Die
Leidsche Kaas
Leif
Leif Ericson
Leif Shiras
Leifer
Leifeste
Leigh
Leigha
Leighland
Leighton
Leila
Leilah
Leilani
Leinsdorf
Leinster
Leiophyllum
Leiotrichix
Leiotrichan
Leiotriches
Leiotrichi
Leiotrichidae
Leiotrichinae
Leipoa
Leipsic
Leipzig
Leipzig yellow
Leiria
Leis
Leisenring
Leiser
Leisha
Leishmania
Lenard ray
Lenard rays
Lenard tube
Lenca
Lencan
Lencas
Lenci
Lenclos
Lend-Lease Act
Lendu
Lenee
Lenes
Lenette
Lengby
Lengel
Lenglen
Lenhard
Lenhart
Lenhartsville
Leni-lenape
Lenin
Lenin Memorial Day
Lenin Peak
Leninabad
Leninakan
Leningrad
Leninism
Leninist
Leninite
Lenka
Lenna
Lennard
Lenni
Lennie
Lenno
Lennoaceae
Lennon
Lennox
Lenny
Leno
Lenoir
Lenora
Lenorah
Lenore
Lenotre
Lenox
Lenoxdale
Lenoxville
Lenrow
Lenssen
Lent
Lent lily
Lent term
Lenten
Lenten diet
Lenten entertainment
Lenten fare
Lenten rose
Lententide
Lentha
Lenthiel
Lentibulariaceae
Lentilla
Lentner
Lenwood
Lenz
Lenz's law
Lenzburg
Lenzi
Lenzites
Leo
Leo Durocher
Leo I
Leo II
Leo III
Leo IV
Leo IX
Leo Minor
Leo V
Leo VI
Leo VII
Leo VIII
Leo X
Leo XI
Leo XII
Leo XIII
Leoben
Leocadia
Leod
Leodis
Leodka
Leofric
Leoine
Leola
Leoline
Leoma
Leonsis
Leonteen
Leonteus
Leontina
Leontine
Leontocebus
Leontodon
Leontopodium
Leontyne
Leonurus
Leonville
Leopardi
Leopold
Leopold I
Leopold II
Leopold III
Leopoldeen
Leopoldine
Leopoldinia
Leopoldo
Leopoldo Benites
Leopoldo Calvo Sotelo
Leopoldo Galtieri
Leopoldville
Leopolis
Leor
Leora
Leos
Leota
Leoti
Leotie
Leotine
Leotyne
Lepadidae
Lepanto
Lepargyracea
Lepas
Lepaute
Lepaya
Lepcha
Lepidium
Lepidodendraceae
Lepidodendron
Lepidoidei
Lepidophloios
Lepidophyllum
Lepidoptera
Lepidosauria
Les Fleurs du Mal
Les Gueux
Les Halles
Les Illuminations
Les Laumes
Les Liaisons Dangereuses
Les Trois Mousquetaires
Lesage
Lesak
Lesath
Lesbia
Lesbian
Lesbian cyma
Lesbian cymatium
Lesbian leaf
Lesbian ode
Lesbianism
Lesbos
Leschen
Leschetizky
Leigh
Lesh
Lesbia
Leskea
Leskeaceae
Lesko
Leslee
Lesley
Lesleya
Lesli
Leslie
Leslie Manigat
Lesly
Lesotho
Lespedeza
Lesquerella
Lessard
Lesseps
Lesser
Lesser Antilles
Lesser Sanhedrin
Lesser Sunda Islands
Lessing
Lesslie
Lester
Lesterville
Lestodon
Lestosaurus
Lestrigon
Lestrigonian
Lesueur
Lesya
Let
Leta
Letart
Letch
Letcher
Letchworth
Letha
Lethbridge
Lethe
Lethe water
Lethean
Lether Frazier
Lethia
Letheid
Lethocerus
Leticia
Letisha
Letitia
Letizia
Leto
Letohatchee
Letona
Letreece
Letrice
Letsou
Lett
Letta
Lette
Letter, The
Letterer-Sive syndrome
Letti
Lettic
Lettice
Lettie
Lettish
Letto-lithuanian
Letto-slavic
Letto-slavonic
Letts
Lettsworth
Letty
Leucadendron
Leucadian
Leucaena
| Leucaeus                        |
| Leucas                         |
| Leuce                          |
| Leucetta                       |
| Leucichthys                    |
| Leucifer                       |
| Leuciferidae                   |
| Leucippe                       |
| Leucippides                    |
| Leucippus                      |
| Leuckartia                     |
| Leuckartiidae                  |
| Leucobryaceae                  |
| Leucobryum                     |
| Leucocrinum                    |
| Leucocytozoon                  |
| Leucojaceae                    |
| Leucojum                       |
| Leucon                         |
| Leuconostoc                    |
| Leucophryne                    |
| Leucosolenia                   |
| Leucosoleniidae                |
| Leucosticte                    |
| Leucothea                      |
| Leucothoe                      |
| Leuctra                        |
| Leucus                         |
| Leukas                         |
| Leukothea                      |
| Leund                          |
| Leupold                        |
| Leupp                          |
| Leuricus                       |
| Leutze                         |
| Leuven                         |
| Lev                            |
| Lev Kitrossky                  |
| Levallois                      |
| Levalloisian                   |
| Levan                          |
| Levana                         |
| Levania                        |
| Levant                         |
| Levant company                 |
| Levant cotton                  |
| Levant dollar                  |
| Levant morocco                 |
Levant nut
Levant red
Levant soaproot
Levant sponge
Levant storax
Levant thaler
Levant wormseed
Levanter
Levantine
Levantine dollar
Levantine sponge
Levantinism
Levasy
Levelland
Leveller
Levelock
Leven
Levenson
Leventhal
Leventis
Lever
Leverett
Leverhulme
Leverick
Leveridge
Levering
Leverkusen
Leveroni
Leverrier
Levesque
Levey
Levi
Levi Eshkol
Levi Parsons
Levi's
Levi-Strauss
Levin
Levina
Levine
Levins
Levinson
Levis
Levison
Levisticum
Levit
Levitan
Levite
Levitical
Leviticalism
Leviticality
Levitically
Leviticalness
Leviticism
Leviticus
Levithm
Levitt
Levittown
Levkas
Levon
Levona
Levophed
Levroux
Levy
Lew
Lewak
Lewan
Lewanna
Lewellen
Lewendal
Lewert
Lewes
Lewie
Lewin
Lewis
Lewis Gough
Lewis Mountains
Lewis acid
Lewis and Harris
Lewis automatic
Lewis base
Lewis gun
Lewis machine gun
Lewis with Harris
Lewis-Langmuir atom
Lewis-Langmuir theory
Lewisberry
Lewisburg
Lewisetta
Lewisham
Lewisia
Lewisian
Lewisohn
Lewison
Lewisport
Lewiss
Lewiston
Lewistown
Lewisville
Lews
Lewse
Lexa
Lexell
Lexi
Lexie
Lexine
Lexington
Lexington Park
Lexington and Concord
Lexis
Lexy
Ley
Leyden
Leyden battery
Leyden blue
Leyden jar
Leydig cell
Leydig's cell
Leyes
Leyla
Leyte
Leyte Gulf
Leyton
Lezghian
Lezley
Lezlie
Lger
Lhary
Lhasa
Lhasa apso
Lhevinne
Lho-ke
Lhota
Li
Li Hsien-nien
Li Hung-chang
Li Peng
Li Po
Li Shih-min
Li T'ai-po
Li Tai Po
Li chi
Li-sao
Lia
Liaisons Dangereuses Les
Liakoura
Liam
Lian
Liana
Liane
Lianna
Lianne
Liao
Liaoning
Liaopeh
Liaotung
Liaoyang
Liard
Lias
Liassic
Liatrice
Liatris
Lib
Lib-Lab
Liba
Libation-bearers, The
Libau
Libava
Libb
Libbey
Libbi
Libbie
Libbna
Libby
Libellula
Libellulidae
Libenson
Liber
Liberal
Liber aniani
Liber authenticarum
Liber legum
Liber sententiarum
Liber sextus
Libera
Liberal
Liberal Catholic
Liberal Catholicism
Liberal Party
Liberal Republican Party
Liberal Unionist
Liberal catholic
Liberalia
Liberalism
Liberati
Liberator
Liberec
Liberia
Liberian
Liberius
Libertas
Liberty
Liberty Bell
Liberty Bell 7
Liberty Enlightening the World
Liberty Island
Liberty Party
Liberty bell
Liberty bond
Liberty party
Liberty ship
Libertytown
Libertyville
Libia
Libitina
Libna
Libnah
Libocedrus
Liborio
Libove
Libra
Librae
Library of Congress
Library of Congress Catalog
Libre
Libreville
Libri carolini
Libri extra decretum
Librid
Librium
Libuse
Libya
Libyan
Libyan Desert
Libyan sibyl
Libyo-phoenician
Libyo-teutonic
Libytheidae
Libytheinae
Lican-antai
Licania
Licastro
Licetus
Licha
Lichas
Lichenes
Lichenopora
Lichenoporidae
Lichfield
Lichnophora
Lichnophoridae
Licht
Lichtenberg
Lichtenfeld
Lichtenstein
Lichter
Licia
Licinian
Licio Giorgieri
Lick
Lick observatory
Licking
Lickingville
Licko
Licuala
Licymniius
Lida
Lidah
Lidda
Liddell Hart
Lidderdale
Liddiard
Liddie
Liddle
Liddy
Lide
Lidgerwood
Lidia
Lidia Gueiler
Lidice
Lidie
Lido
Lidstone
Lie
Lie group
Liebenthal
Lieberman
Liebermann
Liebeslied
Liebfraumilch
Liebig
Liebknecht
Liebman
Liebowitz
Liechtenstein
Liederkranz
Liederman
Liedertafel
Lief
Liege
Liegnez
Lienhard
Liepaja
Liepor Lepaya
Liesa
Liesegang rings
Liestal
Lietman
Lietuva
Lieut
Liew
Lif
Lifar
Life
Life Guards
Life Guardsman
Life Is a Dream
Life Saver
Life of Samuel Johnson, The
Life on the Mississippi
Liffey
Lifschitz
Lifton
Ligeia
Ligeti
Ligetti
Ligget
Liggett
Liggitt
Light
Light in August
Light-Horse Harry
Lightfoot
Lightman
Ligon
Ligonier
Ligularia
Liguliflorae
Liguori
Liguorian
Liguria
Ligurian
Ligurian Sea
Ligurian bellflower
Ligusticum
Ligustrum
Ligyda
Ligydidae
Lihue
Libyanite
Likasi
Likely
Likoura
Likud
Lil
Lila
Lilac
Lilaeopsis
Lilah
Lilas
Lilbourn
Lilburn
Lilburne
Lilesville
Lili
Lilia
Liliaceae
Liliales
Lilian
Liliane
Lilias
Lilibel
Lilibell
Lilibelle
Lilienthal
Liliiflorae
Lilith
Lilitha
Lilium
Liliuokalani
Lilius
Lilla
Lille
Lille B
Lille lace
Lilli
Lillian
Lilibullero
Lillie
Lillington
Lilliput
Lilliputian
Lilliputianize
Lillis
Lillith
Lilliwaup
Lillie
Lillo
Lilly
Lillywhite
Lilo
Lilongwe
Lily
Lily Dache
Lily-white
Lilyan
Lilybel
Lilybelle
Lilydale
Lim
Lima
Lima bark
Lima bean
Lima-bean mildew
Limacea
Limacidae
Limacina
Limacinidae
Liman
Limann
Limassol
Limaville
Limawood
Limax
Limber
Limbert
 Limbourg
Limbu
Limburg
Limburg cheese
Limburger
Limburger cheese
Limean
Limehouse
Lincoln Park
Lincoln Red
Lincoln Red Shorthorn
Lincoln green
Lincoln miller
Lincoln red
Lincoln's Birthday
Lincoln's Inn
Lincoln's sparrow
Lincolndale
Lincolnesque
Lincolnian
Lincolnia
Lincolnlike
Lincoln's birthday
Lincoln's finch
Lincoln's inn
Lincoln's sparrow
Lincolnshire
Lincolnston
Lincolnsville
Lincroft
Lincs
Lind
Linda
Lindahl
Lindale
Lindberg
Lindbergh
Lindbergh light
Lindblad
Lindbom
Linde process
Lindeberg
Lindell
Lindemann
Linden
Lindena
Lindenhurst
Lindenwold
Lindenwood
Linder
Linderal
Linders
Lindesnes
Lindgren
Lindholm
Lindi
Lindie
Lindisfarne
Lindley
Lindleyan
Lindly
Lindner
Lindo
Lindon
Lindquist
Lindrith
Lindsay
Lindsborg
Lindsey
Lindseyville
Lindsay
Lindside
Lindsley
Lindstrom
Lindsy
Lindwall
Lindy
Lindybeth
Lindylou
Line
Line Islands
Linea
Linear A
Linear B
Linehan
Linell
Linene
Linesville
Linet
Linetta
Linette
Lineville
Ling
Lingayat
Lingayat Hinduism
Lingayata
Lingayen Gulf
Lingle
Lingleville
Lingoum
Lingua Franca
Lingua romana
Lingua romana rustica
Lingua scottica
Lingualumina
Linguata
Linguatula
Linguatulida
Linguatulina
Lingula flags
Lingulella
Lingulidae
Lingvo Kosmopolita
Lingvo internacia la
Lingwood
Linis
Link
Link trainer
Linker
Linkoping
Linkoski
Linkping
Linkwood
Linlithgow
Linn
Linnaea
Linnaean
Linnaean method
Linnaeanism
Linnaeus
Linne
Linnea
Linnean
Linnell
Linneman
Linnet
Linnette
Linneus
Linhie
Linnie
Linoel
Linofilm
Linopteris
Linos
Linotype
Linotyped
Linotyper
Linotyping
Lins
Linsang
Linsk
Linskey
Lippe
Lippershey
Lippi
Lippia
Lippincott
Lippizaner
Lippizzana
Lippmann
Lippold
Lipps
Lipschitz
Lipschitz condition
Lipscomb
Lipsey
Lipski
Lipson
Liptauer
Lipton
Liquidambar
Lir
Lira
Liriodendron
Liris
Lisa
Lisabet
Lisabeth
Lisan
Lisandra
Lisbeth
Lisboa
Lisbon
Lisbon Falls
Lisco
Liscomb
Lise
Liselotte
Lisetta
Lisette
Lisha
Lishe
Lisieux
Lisk
Lisle
Lisman
Lismore
Liss
Lissa
Lissajous
Lissajous curve
Lissajous figure
Lissak
Lissamphibia
Lissencephala
Lissi
Lissie
Lissner
Lissoflagellata
Lissotriches
Lissy
List
Lister
Listera
Listeria
Listerian
Listerine
Listerise
Listerised
Listerising
Listerism
Listerize
Listerized
Listerizing
Listie
Lisuarte
Liszt
Lisztian
Lit
LitB
LitD
Lita
Litae
Litch
Litchfield
Litchville
Literberry
Lith
Litha
Lithea
Lithia
Lithobiidae
Lithobius
Lithocarpus
Lithodes
Lithodidae
Lithodomus
Lithonia
Lithopolis
Lithosiidae
Lithosiinae
Lithospermum
Lithuania
Lithuanian
Lithuanic
Litiopa
Lititz
Litman
Litopterna
Litorina
Litorinidae
Litsea
Litt
LittB
LittD
LittM
Litta
Littcarr
Littell
Little
Little Abaco
Little Alliance
Little America
Little Bear
Little Belt
Little Belt Mountains
Little Bighorn
Little Chute
Little Corporal
Little Daedala
Little Diomedea
Little Dipper
Little Dog
Little Englander
Little Englandism
Little Entrance
Little Falls
Little Ferry
Little Fox
Little Foxes, The
Little Gidding
Little Horn
Little Horse
Little Hungary
Little Italy
Little Joe
Liva
Livarot
Lively
Livenza
Livermore
Livermore Falls
Livermore Valley
Liverpool
Liverpool bit
Liverpool house
Liverpudlian
Lives of the Poets, The
Livesay
Livi
Livia
Livian
Livingston
Livingston formation
Livingstone
Livish
Livistona
Livonia
Livonian
Livorno
Livvi
Livvie
Livvy
Livvyy
Livy
Liz
Liza
Liza Alexeyeva
Lizbeth
Lizard
Lizard Head
Lizard Peninsula
Lizbeth
Lizella
Lizemores
Lizette
Lizton
Lizzie
Lizzy
Ljod
Ljoka
Ljubljana
Ljutomer
Llanberisslate
Lobale
Lobaria
Lobata
Lobatae
Lobber
Lobeco
Lobel
Lobelia
Lobeliaceae
Lobell
Lobelville
Lobengula
Lobito
Lobosa
Lobularia
Locarnist
Locarnite
Locarnize
Locarno
Loch
Loch Ness monster
Loch Raven
Lochaber ax
Lochelly
Lochia
Lochinvar
Lochlin
Lochloosa
Lochmere
Lochner
Lock
Lockatong
Lockbourne
Locke
Lockean
Lockeanism
Lockeford
Lockerbie
Lockesburg
Lockett
Lockhart
Lockheed
Lockian
Lockianism
Lockie
Lockland
Locklin
Lockney
Lockport
Lockwood
Locky
Lockyer
Loco
Locofoco
Locofocoism
Locrian
Locrian Ajax
Locrian mode
Locrine
Locris
Locrus
Locustdale
Locustidae
Locustville
Lod
Loda
Loddigesia
Lodge
Lodgegrass
Lodha
Lodhia
Lodi
Lodie
Lodmilla
Lodoicea
Lodovico
Lodowic
Lodowick
Lodur
Lody
Lodz
Loeb
Loeffler
Loegria
Loella
Loesceke
Loewe
Loewi
Loewy
Loferski
Löffler
Lofn
Lofoten Islands
Lofoten and Vester'
Lofti
Lofting
Loftis
Loftus
Logan
Logandale
Logania
Loganiaceae
Logansport
Loganton
Loganville
Loggia
Loggins
Logi
Loginov
Logos
Logres
Logria
Logris
Logrono
Lohana
Lohar
Lohengrin
Lohman
Lohn
Lohner
Lohrman
Lohrmann
Lohrville
Lohse
Loir-et-Cher
Loire
Loire-Atlantique
Loiaret
Lois
Loise
Loiseleuria
Loiza
Loja
Lok Sabha
Lokayata
Lokayatika
Loki
Lokindra
Lokman
Lola
Lolande
Lolanthe
Lole
Loleta
Lon
Lona
Lonaconing
Lonchocarpus
Lonchopteridae
Londinensian
London
London Company
London broil
London brown
London fog
London forces
London plane
London pride
London special
Londonderry
Londoner
Londonese
Londonesque
Londonian
Londonish
Londonism
Londonization
Londonize
Londony
Londres
Londrina
Lone Star State
Lonedell
Lonee
Lonejack
Lonel Anton-Muresan
Lonergan
Lonestar
Lonetree
Loney
Long
Long Beach
Long Boret
Long Branch
Long Day's Journey Into Night
Long Eaton
Long Island
Long Island Sound
Long Island duckling
Long John Silver
Long Lake
Long March
Long Melford
Long Parliament
Long Tom
Long Voyage Home, The
Long's Birthday Loni
Longan
Longaville
Longawa
Longbenton
Longbottom
Longdale
Longerich
Longfellow
Longford
Longhorn
Longicornia
Longinean
Longinian
Longinus
Longirostrines
Longkey
Longlane
Longleaf
Longley
Longmeadow
Longmire
Longmont
Longo
Longobard
Longobardi
Longobardian
Longobardic
Longomontanus
Longport
Longs
Longs Peak
Longstreet
Longtin
Longton
Longueuil
Longus
Longview
Longville
Longwood
Longworth
Longyearbyen
Lonicera
Lonie
Lonier
Lonk
Lonna
Lonnard
Lonne
Lonni
Lonnie
Lonnrot
Lonny
Lonoke
Lons-le-Saunier
Lonsdale
Lontson
Lonzie
Lonzo
Loogootee
Look Homeward Angel
Lookeba
Looking Backward
Lookout Mountain
Loomis
Loon
Looneyville
Loos
Lopatnikoff
Lopatnikov
Lope
Lope de Vega
Lopeno
Lopes
Lopez
Lopezia
Lophiidae
Lophiodon
Lophiodontidae
Lophiola
Lophiomyidae
Lophiomyinae
Lophiomys
Lophobranchii
Lophocome
Lophocomi
Lophodermium
Lophophora
Lophophorinae
Lophophorus
Lophopoda
Lophornis
Lophortyx
Lopoldville
Lora
Lorado
Lorain
Loral
Loralee
Loralie
Loralyn
Loram
Lorane
Loranger
Lorant
Loranthaceae
Loranthus
Lorca
Lord
Lord Advocate
Lord Baltimore cake
Lord Chamberlain
Lord Chancellor
Lord Chief Justice
Lord Fauntleroy
Lord Haw-Haw
Lord High Chancellor
Lord Howe Island
Lord Jesus
Lord Jim
Lord Justice
Lord Justice of Appeal
Lord Lieutenancy
Lord Lieutenant
Lord Lyon
Lord Mayor
Lord President of the Council
Lord Privy Seal
Lord Protector
Lord Provost
Lord Spiritual
Lord admiral
Lord knows
Lord of Appeal
Lord of Hosts
Lord of Lords
Lord of Misrule
Lord of hosts
Lord our Righteousness
Lord's
Lord's Day
Lord's Prayer
Lord's Prayer, The
Lord's Supper
Lord's Supper, The
Lord's day
Lord's day, The
Lord's table
Lord's table, The
Lordan
Lords
Lords Justices' Court
Lords Spiritual
Lords Temporal
Lordsburg
Lordship
Lore
Loreauville
Loredana
Loredana Berte
Loredo
Loree
Loreen
Lorelei
Lorelie
Lorella
Lorelle
Loren
Lorena
Lorence
Lorene
Lorens
Lorentz
Lorentz force
Lorentz transformation
Lorentz-FitzGerald contraction
Lorenz
Lorenza
Lorenzan
Lorenzana
Lorenzetti
Lorenzo
Lorenzo dressing
Lorenzo indians
Lorestan
Loresz
Loretta
Lorette
Loretine
Loretto
Loretto nuns
Lori
Lori Garbacz
Loria
Lorianna
Lorianne
Loricariidae
Loricata
Loricati
Lorida
Lorie
Lorien
Lorient
Lorilee
Lorilyn
Lorimer
Lorimor
Lorin
Lorinda
Lorine
Loriner
Loring
Lorinor
Lorita
Lorius
Lorman
Lorn
Lorna
Lorne
Lorola
Lorolla
Lorollas
Lorou
Lorrain
Lorraine
Lorraine cross
Lorrainer
Lorrainese
Lorrayne
Lorri
Lorrie
Lorrimer
Lorrimer
Lorrin
Lotson
Lott
Lotta
Lotte
Lotti
Lottie
Lottsburg
Lotty
Lotuko
Lotus
Lotus of the Good Law
Lotus of the True Law
Lotz
Lotze
Lou
Lou Franceschetti
Lou Gehrig's disease
Lou Nanne
Louann
Louanna
Louanne
Loucheux
Loudon
Loudonville
Louella
Louellen
Lough
Loughborough
Louheed
Loughlin
Loughman
Louhi
Louie
Louin
Louis
Louis Boutet de Montvel
Louis Frey
Louis Hubert Gonzalve
Louis I
Louis II
Louis II de Bourbon
Louis IV
Louis IX
Louis Joseph
Louis Napoleon
Louis Philippe
Louis Quatorze
Louis Quinze
Louis Seize
Louis Seymour Bazett
Louis Sleigher
Louis Treize
Louis V
Louis Victor
Louis XI
Louis XII
Louis XIII
Louis XIV
Louis XV
Louis XVI
Louis XVII
Louis XVIII
Louis heel
Louisa
Louisburg
Louise
Louisette
Louisiana
Louisiana French
Louisiana Purchase
Louisiana grass
Louisiana heron
Louisiana tanager
Louisianan
Louisianian
Louisville
Louisvillian
Lools
Lounge
Lounsbury
Loup
Lourdes
Lourenco Marques
Lourie
Louth
Loutitia
Louvain
Louvale
Louvertie
Louviers
Louvre
Loux
Louys
Lovash
Lovato
Love
Love for Love
Love's Labour's Lost
Lovejoy
Lovel
Lovelace
Lovelaceville
Lovelady
Loveland
Lovell
Lovelock
Lovely
Lover
Loveridge
Lovering
Loves Park
Lovett
Lovettsville
Loveville
Lovich
Lovie
Lovilia
Loving
Lovingston
Lovington
Lovmilla
Low
Low Archipelago
Low Church
Low Churchman
Low Countries
Low German
Low Latin
Low Mass
Low Sunday
Low church
Low sunday
Low-Churchism
Low-Churchman
Low-churchism
Low-churchist
Low-churchman
Low-churchmanship
Lowake
Lowber
Lowden
Lowder
Lowe
Lowell
Lowellville
Lowenstein
Lowenstern
Lower
Lower Austria
Lower Burma
Lower California
Lower Canada
Lower Carboniferous
Lower Chinook
Lower Cretaceous
Lower Depths, The
Lower Egypt
Lower Hutt
Lower Lakes
Lower Merion
Lower Michigan
Lower Palaeolithic
Lower Palatinate
Lower Peninsula
Lower Saxony
Lower Slobbovia
Lower Tertiary
Lowery
Lowes
Lowestoft
Lowestoft ware
Lowesville
Lowis
Lowitz arc
Lowl
Lowland
Lowland scotch
Lowlander
Lowlands
Lowman
Lowmansville
Lowmoor
Lowndes
Lowndesboro
Lowndesville
Lowney
Lowrance
Lowrie
Lowry
Lowson
Lowveld
Lowville
Loxahatchee
Loxias
Loxiinae
Loxley
Loxodon
Loxodonta
Loxolophodon
Loxomma
Loxosoma
Loxosomidae
Loy
Loyalist
Loyall
Loyalton
Loyalty Day
Loyang
Loyce
Loyde
Loydie
Loyola
Loyolism
Loyolite
Loysburg
Loysville
Loz
Lozano
Lozar
Lozere
Lozi
Lr
Lrida
Ls
Lt
Lt Col
Lt Comdr
Lt Gen
Lt Gov
Ltd
Ltzen
Lu
Lu-Wang school
Lualaba
Luana
Luanda
Luane
Luang Prabang
Luann
Luanne
Lucrezia Borgia
Lucrine
Lucullan
Lucullan feast
Lucullean
Lucullan
Lucullus
Lucuma
Lucumo
Lucy
Lud
Ludd
Luddism
Luddite
Ludditism
Ludell
Ludeman
Ludendorff
Luderitz
Ludewig
Ludgate
Ludgathian
Ludgatian
Ludhiana
Ludian
Ludie
Ludington
Ludlew
Ludovian
Ludlow
Ludly
Ludmila Belousova
Ludmilla
Ludolphian
Ludovick
Ludovico
Ludovika
Ludowici
Ludvig
Ludwig
Ludwig Ehrhard
Ludwig II
Ludwig Mies
Ludwigg
Ludwigsburg
Ludwigshafen
Ludwog
Luebbering
Lundell
Lundgren
Lundin
Lundinarium
Lundquist
Lundt
Lundy
Lundy's Lane
Lune
Lunel
Lunenburg
Lunetta
Lunette
Luneville
Lung Wang
Lungki
Lunik
Luning
Lunka
Lunn
Lunna
Lunneta
Lunnete
Luns
Lunseth
Lunsford
Lunt
Lunularia
Lunulites
Lunville
Luo
Luorawetlan
Lupe
Lupee
Lupercal
Lupercalia
Lupercalian
Lupercalias
Luperci
Lupercus
Lupi
Lupid
Lupien
Lupinus
Lupita
Lupton
Lupus
Luquillo
Lur
Lura
Luray
Lurcat
Lurette
Lurex
Lurgan
Luri
Lurie
Luristan
Lurleen
Lurlei
Lurline
Lurline
Lurton
Lusa
Lusaka
Lusatia
Lusatian
Lusby
Lusby
Luscinia
Lushai
Lushei
Lusia
Lusiad
Lusian
Lusitania
Lusitanian
Lusitano-american
Lusk
Lussi
Lussier
Lust
Lustick
Lustig
Lustprinzip
Lusty
Lut Desert
Lutao
Lutayo
Lutcher
Lutenist
Lutero
Lutesville
Lutetia
Lutetia Parisiorum
Lutetian
Luth
Luthanen
Luther
Lutheran
Lutheranic
Lutheranism
Lutheranize
Lutheranizer
Lutherism
Lutherist
Luthersburg
Luthersville
Lutherville
Luthuli
Lutianidae
Lutianus
Lutine bell
Lutjanidae
Lutjanus
Luton
Lutoslawski
Lutra
Lutraria
Lutreola
Lutrinae
Lutsen
Luttrel
Lutts
Lutuamian
Lutuamians
Lutyens
Lutz
Luvaridae
Luverne
Luvian
Luvish
Luwana
Luwian
Lux
Luxembourg
Luxemburg
Luxemburger
Luxemburgian
Luxor
Luxora
Luz
Luzader
Luzern
Luzerne
Luzon
Luzula
Lviv
Lvos
Lvov
Lw
Lwe
Lwo
Lwoff
Ly
Lyaeus
Lyall
Lyallpur
Lyas
Lyautey
Lyburn
Lycaena
Lycaenidae
Lycaeus
Lycaon
Lycaonia
Lyceum
Lychnic
Lychnis
Lycia
Lycian
Lycidae
Lycidas
Lycium
Lyckman
Lycodes
Lycodidae
Lycomedes
Lycoming
Lycon
Lycoperdaceae
Lycoperdales
Lycoperdon
Lycopersicon
Lycophrum
Lycopodiaceae
Lycopodiales
Lycopodium
Lycopsida
Lycopsis
Lycopus
Lycosa
Lycosidae
Lycotherses
Lyctidae
Lyctus
Lycurgus
Lyctus
Lyda
Lydda
Lydell
Lydgate
Lydia
Lydian
Lydian mode
Lydian stone
Lydie
Lydon
Lyell
Lyencephala
Lyerly
Lyford
Lygaeidae
Lygeum
Lygodesma
Lygodium
Lygosoma
Lykens
Lykes
Lyle
Lyles
Lyly
Lyman
Lymann
Lymantria
Lymantriidae
Lyme
Lymington
Lynn
Lymnaea
Lymnaeidae
Lyn
Lyn Nofziger
Lynbrook
Lynceus
Lynch
Lynchburg
Lyncid
Lyncis
Lynco
Lynd
Lynda
Lynde
Lyndeborough
Lyndel
Lyndell
Lynden
Lyndes
Lyndhurst
Lyndon
Lyndonville
Lyndora
Lyndsay
Lyndsey
Lyndie
Lyndy
Lynea
Lynelle
Lynen
Lynett
Lynette
Lynette Fromme
Lyngbyaceae
Lyngbyae
Lyngi
Lynn
Lynn Haven
Lynn Regis
Lynna
Lynndyl
Lynne
Lynnea
Lynnell
Lynnelle
Lynnet
Lynnett
Lynnette
Lynnfield
Lynnville
Lynnwood
Lynnworth
Lyns
Lynsey
Lynus
Lynwood
Lynx
Lyomeri
Lyon
Lyon King of Arms
Lyon Office
Lyon Office of Arms
Lyon bean
Lyon herald
Lyonais
Lyonese
Lyonetia
Lyonetiidae
Lyonnaise
Lyonnaise
Lyons
Lyontine
Lyopoma
Lyopomatata
Lyperosia
Lyra
Lyrae
Lyraid
Lyrical Ballads
Lyrid
Lyris
Lyrurus
Lyrus
Lys
Lysander
Lysandra
Lysenko
Lysenkoism
Lysias
Lysiloma
Lysimachia
Lysimachus
Lysippe
Lysippus
Lysistrata
Lysite
Lysol
Lyssa
Lytham Saint Anne's
Lythraceae
Lythrum
Lytle
Lytten
Lytton
Lyubertsy
Lyublin
Lyubmla
Lzen
Lzow-Holm Bay
M
M Com
M Econ
M electron
M radiation
M roof
M saw
M series
M star
M tooth
M'
M'-
M'Ba
M'Naghten Rules
M'Taggart
M' s
M'sieur
M-1
M-1 rifle
M-14
M-16
M-day
M-line
M-series
M-shaped
M-swahili
M-type star
M/D
MA
MAA
MAAG
MAAP
MAArch
MAC
MACBS
MACSYMA
MAD
MAD radar
MADD
MADN
MAE
MAEd
MAF
MAG
MAL
MALD
MALS
MCR
MCS
MCSV
MCTRAP
MCU
MCh
MCi
MD
MDACS
MDAP
MDAS
MDC
MDDS
MDE
MDEC
MDES
MDF
MDI
MDQS
MDRE
MDS
MDT
MDU
MDX
MDiv
ME
MEA
MEANS
MEC
MECO
MED
MELD
MEP
MEPA
MERP
MERS
MET
MEW radar
MEX
MEZ
MEd
MEIEng
MF
MFA
MFB
MFENET
MFG
MFH
MINCE
MINX
MIP
MIPS
MIR
MIRS
MIRV
MIS
MISCF
MIT
MITI
MITS
Mlr
MJ
MKS
MKSA system
MKTG
ML
MLA
MLC
MLCD
MLD
MLEM
MLF
MLG
MLL
MLO
MLR
MLS
MLT
MLV
MLW
MLitt
MM
MMC
MMDF
MME
MMES
MMFS
MMGT
MMH
MJ
MMM
MMOC
MMP
MMS
MMT
MMU
MPE
MPG
MPH
MPIF
MPL
MPO
MPOWER
MPP
MPPD
MPR
MPS
MPT
MPU
MPV
MPW
MPers
MPh
MPharm
MPhil
MR
MRA
MRC
MRD
MRE
MRF
MRFL
MRI
MRP
MRS
MRSR
MRSRM
MRTS
MRU
MS
MSA
MSAE
MSAM
MSArch
MSB
MSBA
MSBC
MSBus
MSC
MSCDEX
MSCE
MSCP
MSChE
MSCons
MSD
MSDOS
MSE
MSEE
MSEM
MSEnt
MSF
MSFC
MSFM
MSFR
MSFor
MSG
MSGM
MSGMgt
MSGeoIE
MSH
MSHA
MSHE
MSI
MSIE
MSJ
MSL
MSM
MSME
MSMeE
MSMgtE
MSMgtIE
MSN
MSO
MSOrNHort
MSP
MSPE
MSPH
MSPHE
MSPHEd
MSPhar
MSR
MSS
MSSc
MST
MSTS
MSW
MSc
MScD
MScMed
MSgt
MT
MTA
MTB
Maccabees
Maccaroni
Macclesfield
Macdonald
Macdonnell Ranges
Macduff
Mace
Maced
Macedo
Macedonia
Macedonian
Macedonian-Persian War
Macedonian-persian
Macedonic
Macegan
Maceio
Maceo
Macey
Macflecknoe
Mach
Mach cone
Mach front
Mach meter
Mach number
Mach one
Mach stem
Mach two
Mach wave
Macha
Machabees
Machado
Machaerus
Machairodontidae
Machairodontinae
Machairodus
Machaon
Machault
Machaut
Machel
Machen
Machetes
Machias
Machiasport
Machiavel
Machiavelian
Machiavelli
Machiavellian
Machiavellian intrigues
Maclurea
Macmahon
Macmillan
Macmillanite
Macnair
Macomb
Macomber
Macon
Macpherson
Macquarie'
Macracanthorhynchus
Macrauchenia
Macraucheniidae
Macready
Macri
Macrobiotus
Macrobius
Macrocentrinae
Macrocentrus
Macrochelys
Macrochira
Macrochires
Macrochiroptera
Macrocystis
Macrophoma
Macropodidae
Macropodinae
Macropus
Macropygia
Macrorhampnosidae
Macrorhampnosus
Macrorhinus
Macросcelides
Macrosporium
Macrostachya
Macrotheriidae
Macrotherium
Macrotolagus
Macrouridae
Macrourus
Macrozamia
Macrura
Mactra
Mactridae
Macumba
Macungie
Macur
Macusi
Madelaine
Madeleine
Madeleine Bassil
Madeleen
Madlena
Madelene
Madeli
Madelia
Madelin
Madelina
Madeline
Madella
Madelle
Madelon
Madelyn
Mademoiselle Fifi
Madera
Maderno
Madero
Madge
Madhva
Madhya Bharat
Madhya Pradesh
Madhyamika
Madi
Madia
Madian
Madid
Madiga
Madigan
Madill
Madina do Boe
Madinensor
Madison
Madison Avenue
Madisonburg
Madisonville
Madlen
Madlin
Madlyn
Madm
Madoc
Madoera
Madonia
Madonna
Madonna lily
Madonnahood
Madonnaish
Madonna-like
Madora
Madotheca
Madox
Madra
Madras
Madras States
Madras gram
Madras hemp
Madras thorn
Madrasi
Madre de Dios
Madrepora
Madreporacea
Madreporaria
Madrid
Madriene
Madrilene
Madrilenian
Madsen
Madson
Madura
Madura foot
Madurai
Madurese
Madwoman of Chaillot, The
Mady
Mae
Mae West
Maeander
Maeandra
Maeandrina
Maebishi
Maebelle
Maecenas
Maecenasmiss
Maegan
Mael
Maelstrom
Maely
Maemacterion
Maenalus
Maenidae
Maeon
Maeonian
Maeonides
Maera
Maesta Altar
Maestricht
Maeterlinck
Maeterlinckian
Maeve
Maewo
Maestystown
Mafala
Mafalda
Mafeking
Maffa
Maffei
Mafia
Mafioso
Mag
Maga
Magadhi
Magahi
Magalensia
Magalia
Magallanes
Magan
Magangue
Magas
Magavern
Magbie
Magda
Magdaia
Magdala
Magdalen
Magdalena
Magdalena Bay
Magdalene
Magdalenian
Magdalenne
Magdau
Magdeburg
Magdeburg hemisphere
Magee
Magel
Magelhanz
Magellan
Magellan jacket
Magellanian
Magellanic
Magellanic cloud
Magen
Magen David
Magen
Magenta
Mages
Maggee
Maggi
Maggie
Maggio
Maggiore
Maggs
Maggy
Magh
Magh sleacht
Maghi
Maghreb
Maghrib
Maghribi
Maghutte
Magi
Magian
Magianism
Magic Flute, The
Magill
Magindanao
Magindanaos
Maginot line
Maginus
Magism
Maglemose
Maglemosean
Maglemosian
Magna
Magna Carta
Magna Charta
Magna Graecia
Magna Mater
Magna charta
Magner
Magnesia
Magness
Magnetronic Reservisor
Magnien
Magnificat
Magnificent Ambersons, The
Magnitogorsk
Magnolia
Magnolia State
Magnoliaceae
Magnum
Magnus
Magnus effect
Magnus hitch
Magnuson
Magnusson
Magosci
Magog
Magree
Magritte
Magruder
Maguire
Magulac
Magus
Magyar
Magyaran
Magyarism
Magyarization
Magyarize
Magyarized
Magyarizing
Magyarorsz
Magyarorszag
Mah
Mah-Jongg
Mahabalipuram
Mahabharata
Mahadeva
Mahaffey
Mahala
Mahalia
Mahalie
Mahalla el Kubra
Mahamaya
Mahan
Mahanadi
Maharani Gayatri Devi
Maharashtra
Maharashtri
Mahasamadhi
Mahaska
Mahau
Mahavira
Mahayana
Mahayana Buddhism
Mahayanism
Mahayanist
Mahayanistic
Mahdi
Mahdian
Mainz Psalter
Maiocco
Maioidia
Maioli
Maiongkong
Maipure
Mair
Maire
Mairead Corrigan
Maise
Maisel
Maisey
Maisie
Maison
Maison de Moliere La
Maite
Maithili
Maitilde
Maitland
Maitreya
Maitund
Maius
Maize
Maj
Maj Gen
Maja
Majagga
Maje
Majesta
Majesty
Majka
Majlis
Majolica earth
Major
Major Mitchell
Major Prophets
Major domus
Majorca
Majorcan
Majorism
Majorist
Majoristic
Majunga
Majuro
Mak
Makah
Makalu
Makanda
Makaraka
Makari
Makarios III
Makasar
Makassar
Makawao
Makaweli
Makedhonia
Makeevka
Makell
Maker
Maker of sweet poets
Makeyevka
Makhachkala
Makinen
Makkah
Makonde
Makoti
Maksutov telescope
Maku
Makua
Makurdi
Mal
Mala
Malabar
Malabar Coast
Malabar nightshade
Malabarese
Malabo
Malacanthidae
Malacanthus
Malacca
Malacca cane
Malaccan
Malaceae
Malachi
Malachy
Malaclemys
Malacobdella
Malacocotylea
Malacodermatidae
Malacodermidae
Malacopoda
Malacopterygii
Malacoscolices
Malacoscolicine
Malacosoma
Malacostraca
Malaga
Malaga red
Malagasy
Malagasy Republic
Malagigi
Malakal
Malakoff
Malamud
Malamut
Malan
Malang
Malange
Malanie
Malanje
Malaprop
Malapterurus
Malar
Malarkey
Malaspina
Malatesta
Malathion
Malatya
Malawi
Malaxis
Malay
Malay Archipelago
Malay Peninsula
Malay States
Malay kite
Malay race
Malaya
Malayalam
Malaylim
Malayan
Malayan camphor
Malayan monitor
Malayan race
Malayic
Malayize
Malayo-Indonesian
Malayo-Javanese
Malayo-Polynesian
Malayo-indonesian
Malayo-javanese
Malayo-negrito
Malayo-polynesian
Malayoid
Malaysia
Malaysian
Malaysian race
Malca
Malcah
Malchus
Malehy
Malcolm
Malcolm III
Malcolm X
Malcom
Malda
Malden
Maldive
Maldive Islands
Maldives
Maldivian
Maldon
Male
Malebolge
Malebolgian
Malebolgic
Malebranche
Malebranchism
Malecite
Maleeny
Malek
Maleki
Malemute
Malena
Malenkov
Malesherbia
Malesherbiaceae
Malet
Maletta
Malevich
Malherbe
Mali
Malia
Malibran
Malibu
Malik
Maliki
Malikite
Malin
Malina
Malinda
Malinde
Malines
Malinin
Malinke
Malinois
Malinovsky
Malinowski
Malinta
Malipiero
Malissa
Malissia
Malita
Maljamar
Malka
Malkah
Malkin
Malkite
Mall
Mallarme
Malleifera
Mallen
Maller
Mallet
Malley
Mallia
Mallie
Mallin
Mallina
Malling
Mallis
Mallissa
Malloch
Mallon
Mallophaga
Mallorca
Mallorie
Mallory
Mallotus
Malloy
Malmaison
Malmdy
Malmedy
Malmesbury
Malmo
Malo
Malone
Maloneton
Maloney
Malonis
Malony
Malope
Malorie
Malory
Malott
Maloy
Malpighi
Malpighia
Malpighiaceae
Malpighian
Malpighian body
Malpighian corpuscle
Malpighian layer
Malpighian tube
Malpighian tubule
Malpighian tubules
Malpighian tuft
Malpighian vessel
Malraux
Malta
Malta fever
Maltese
Maltese cat
Maltese cross
Maltese dog
Maltre
Malthus
Malthusian
Malthusianism
Malthusiast
Malti
Malto
Malton
Maltz
Maltzman
Maluku
Malurinae
Malurus
Malus
Malus cosine-squared law
Malus' law
Malva
Malvaceae
Malvales
Malvasia
Malvastrum
Malverne
Malverne
Malvia
| Malvie  | Malvin  | Malvina  | Malvine  | Malvino  | Malynnda  | Mam  | Mama  | Mamadou Dia  | Mamallapuram  | Mamaronneck  | Mame  | Mameluke  | Mamercus  | Mamers  | Mamertine  | Mamertino  | Mamie  | Mamilius  | Mamisburg  | Mammalia  | Mammea  | Mammifera  | Mammillaria  | Mammon  | Mammonteaus  | Mammoth Cave  | Mammoth Cave National Park  | Mammut  | Mammutidae  | Mamor  | Mamore  | Mamou  | Mamoun  | Mamurius  | Man  | Man O'War  | Man Who Came to Dinner, The  | Man of Destiny  | Man of Galilee  | Man of Property, The  | Man spricht deutsch  | Man's Fate  | Man, the  | Mana  | Manabozho  | Manacus  | Manado  |
Managua
Manahawkin
Manaker
Manakinsabot
Manala
Manama
Manannn
Manara
Manard
Manasquan
Manassa
Manassas
Manassas Park
Manasseh
Manasses
Manassite
Manat
Manati
Manatidae
Manatus
Manaus
Manawa
Manawyddan
Mancelona
Manchaca
Manchaug
Manche
Manchester
Manchester brown
Manchester terrier
Manchesterdom
Manchesterism
Manchesterist
Manchestrian
Manchu
Manchukuo
Manchuria
Manchurian
Manchurian War
Manchus
Mancino
Mancos
Mancunian
Manda
Mandaean
Mandaesm
Mandaic
Mandaite
Mangum
Mangyan
Manhasset
Manhattan
Manhattan Beach
Manhattan District
Manhattan Island
Manhattan Project
Manhattan clam chowder
Manhattanite
Manhattanize
Manheim
Mani
Mania
Manicamp
Manicaria
Manichae
Manichaean
Manichaeanism
Manichaeanize
Manichaeism
Manichaeist
Manichaeus
Manichean
Manicheanism
Manicheanize
Manicheanism
Manichee
Manicheism
Manicheus
Manidae
Manifest Destiny
Manihot
Manila
Manila Bay
Manila hemp
Manila paper
Manila rope
Manila tamarind
Manilius
Manilla
Maninke
Manipur
Manipuri
Manis
Manisa
Manistique
Manisto
Manitoba
Manitoban
Manitou
Manitou Springs
Manitoulin
Manitoulin Island
Manitowoc
Manity
Manius
Maniva
Manizales
Manjusri
Mankato
Mankiewicz
Manley
Manlius
Manlove
Manly
Mann
Mann Act
Mannaean
Mannar
Mannboro
Mannerheim
Mannerist
Manners
Mannes
Mannford
Mannheim
Mannheim School
Mannheimer
Mannie
Manning
Mannington
Mannlicher
Manno
Mannos
Mannschoice
Mannsville
Mannuela
Manny
Manny Trillo
Mano
Manoah
Manobo
Manoff
Manokin
Manokotak
Manolete
Manolo
Manomet
Manon
Manon Lescaut
Manorhaven
Manorville
Manouch
Manquin
Manresa
Mans
Mansard
Mansart
Mansfield
Mansholt
Mansion House
Manson
Mansoor
Mansour Hassan
Mansra
Mansur
Mansura
Manta
Manta Bay
Mantachie
Mantador
Manteca
Mantee
Mantegna
Mantell
Manteno
Manteo
Manter
Manthei
Manti
Mantidae
Mantinea
Mantinean
Mantisia
Mantispa
Mantispidae
Mantius
Mantine
Manto
Mantodea
Mantoidea
Mantoloking
Manton
Mantorville
Mantoux test
Mantova
Mantua
Mantuan
Mantzu
Manu
Manu Tuiasosopo
Manua Islands
Manucodia
Manue
Manuel
Manuel Artime
Manuel Bisbe
Manuel Irujo
Manuel Lujan
Manuel Noriega
Manuela
Manuela Maleeva
Manukau
Manuri
Manus
Manute Bol
Manutius
Manvantara
Manvel
Manvell
Manvil
Manville
Manwell
Manx
Manx cat
Manx shearwater
Manxman
Manxmen
Manxwoman
Manya
Manyema
Manyoshu
Manzanilla
Manzanola
Manzas
Manzoni
Manzu
Mao
Mao Tse-tung
Mao Zedong
Mao jacket
Maoism
Maoist
Maori
Maoridom
Maoriland
Maorilander
Maoris
Map
Mapaville
Mapel
Mapes
Maplecrest
Maples
Mapleshade
Maplesville
Mapleton
Mapleview
Mapleville
Maplewood
Mappah
Mappila
Mappsville
Mapuche
Maputo
Maquiritare
Maquoketa
Maquon
Mar
Mar del Plata
MarMechE
Mara
Marabel
Marabelle
Marabout
Maracaibo
Maracanda
Maracay
Maragato
Maraj
Marala
Maralina
Maraline
Maramec
Marana
Maranh
Maranha
Maranham
Maranhao
Maranon
Maranta
Marantaceae
Marasar
Marasco
Marashio
Marasmius
Marat
Maratha
Marathi
Marathon
Marathonian
Marathonian bull
Maratism
Maratist
Marattia
Marattiaceae
Marattiales
Maravi
Marble
Marble Faun, The
Marblehead
Marburg
Marbury
Marbut
Marc
Marc Antony
Marc Iavaroni
Marcan
Marcantonio
Marceau
Marcel
Marcel Aubut
Marcel Cerdan
Marcel Dionne
Marcela
Marcelia
Marceline
Marcell
Marcella
Marcelle
Marcellette
Marcellian
Marcellianism
Marcellina
Marcelline
Marcello
Marcello Caetano
Marcellus
Marcomannic
Marconi
Marconi mast
Marconi rig
Marconi-rigged
Marcos
Marcosian
Marcoux
Marcus
Marcus Aurelius
Marcus Aurelius Antoninus
Marcus Claudius
Marcuse
Marcushook
Marcy
Marden
Marder
Mardi
Mardi Gras
Mardi gras
Mardochai
Marduk
Mare
Mare Aestatis
Mare Anguis
Mare Australe
Mare Autumni
Mare Boreum
Mare Chronium
Mare Cimmerium
Mare Crisium
Mare Desiderii
Mare Erythraeum
Mare Fecunditatis
Mare Frigoris
Mare Hiemis
Mare Humboldtianum
Mare Humorum
Mare Incognito
Mare Island
Mare Marginis
Mare Moscoviae
Mare Novum
Mare Nubium
Mare Orientalis
Mare Parvum
Mare Smythii
Mare Spumans
Mare Struve
Mare Tranquillitatis
Mare Vaporum
Mare Veris
Mareah
Mareca
Marechal niel
Maregos
Marehan
Marek
Marela
Marelid
Marelida
Marella
Maren
Marena
Marengo
Marenisco
Marentic
Marenzio
Mareotic
Mareotid
Maressa
Maretta
Marette
Maretz
Marfa
Marfik
Marfrance
Marga
Margalit
Margalo
Margarelon
Margaret
Margaret of Anjou
Margaret of France
Margaret of Navarre
Margaret of Valois
Margareta
Margarete
Margaretha
Margarethe
Margaretta
Margarette
Margarettsville
Margaretville
Margarida
Margarita
Margarodes
Margarodinae
Margaropus
Margate
Margaux
Marge
Margeaux
Margery
Marget
Margette
Margetts
Margherita
Margi
Margie
Marginella
Marginellidae
Marginis
Margit
Margo
Margot
Margret
Margreta
Margrethe II
Marguerie
Marguerita
Marguerite
Marguerite yellow
Margy
Marheshvan
Mari
Maria
Maria Beals
Maria Enrichetta Dominici
Maria Goeppert
Maria Theresa
Maria Theresa dollar
Maria Theresa thaler
Maria de' Medici
Maria tree
Maria-Giuseppe
Mariage de convenance
Mariam
Mariatman
Marian
Mariana
Mariana Islands
Marianao
Mariand
Mariande
Mariandi
Marianic
Mariann
Marianna
Marianne
Mariano
Marianolatrist
Marianolatry
Marianskn
Mariastein
Mariba
Maribel
Maribelle
Maribeth
Maribor
Maricao
Marice
Maricopa
Maridel
Marie
Marie Antoinette
Marie Byrd Land
Marie Galante
Marie Louise
Marie-Ann
Marie-Jeanne
Marieann
Mariehamn
Mariejeanne
Mariel
Mariele
Marielle
Mariellen
Marienbad
Marienthal
Marienville
Mariett
Marietta
Marietta East
Mariette
Marifrances
Marigene
Marigold
Marigolda
Marigolde
Marijane
Marijn
Marijo
Marika
Mariken
Mariko
Maril
Marilee
Marilin
Marilla
Marillin
Mariou
Marilou
Marilyn
Marilyn
Mariynne
Marin
Marina
Marinduque
Marine City
Marine Corps
Marine corps
Marinelli
Mariner
Marinette
Marinetti
Maringouin
Marini
Marinism
Marinist
Marinistic
Marinna
Marino
Marinus
Marinus I
Marinus II
Mario
Mario Biaggi
Mario Biagi
Mario Cuomo
Mario Esquivel
Mario Gosselin
Mario Jascalevich
Mario Lemieux
Mario Machungo
Mario Marois
Mariolater
Mariolatrous
Mariolatry
Mariological
Mariologist
Mariology
Marion
Marionville
Mariotte's law
Mariposa
Mariposan
Mariquilla
Maris
Marisa
Mariska
Marisol
Marissa
Marist
Marita
Maritain
Maritime
Maritime Alps
Maritime Provinces
Maritimer
Maritsa
Mariupol
Marius
Marivaux
Mariya
Marj
Marja
Marijana
Marje
Marji
Marjie
Marjorie
Marjory
Marjy
Mark
Mark Aguirre
Mark Alarie
Mark Antony
Mark Breland
Mark Calcavecchia
Mark Carreon
Mark Cresap
Mark Dymshits
Mark Garalczyk
Mark Gubicza
Mark Messier
Mark Napier
Mark Olberding
Mark Pfieil
Mark masonry
Mark's fly
Markab
Markan
Markeb
Marked Tree
Markesan
Market
Marketa
Markevich
Markgenossenschaft
Markham
Markland
Markle
Markleeville
Markleton
Markleville
Markleysburg
Markman
Marko
Markos
Markov
Markov chain
Markov process
Markova
Markovian
Markowitz
Marks
Markson
Marksville
Markus
Markville
Marl
Marla
Marland
Marlane
Marlboro
Marlborough
Marlborough leg
Marlea
Marleah
Marlee
Marleen
Marleene
Marleigh
Marlen
Marlena
Marlene
Marler
Marlette
Marley
Marley
Marlie
Marlin
Marline
Marlinton
Marlo
Marlon
Marlovian
Marlow
Marlowe
Marlowesque
Marlowish
Marlowism
Marlton
Marlyn
Marmaduke
Marmar
Marmara
Marmarth
Marmawke
Marmax
Marmet
Marmion
Marmite
Marmolada
Marmora
Marmosa
Marmota
Marna
Marne
Marne River
Marney
Marni
Marnia
Marnie
Maro
Maroa
Maroc
Maroilles
Marola
Marolda
Marolles
Maron
Maron Mataele
Maroney
Maronian
Maronist
Maronite
Maros
Marou
Marouf Dawalibi
Marozas
Marozik
Marpessa
Marpet
Marprelate
Marq
Marquand
Marquardt
Marquesan
Marquesas Islands
Marquet
Marquette
Marquez
Marquis
Marquis of Queensberry rules
Marquita
Marr
Marra
Marrakech
Marrakesh
Marranism
Marrano
Marranoism
Marranos
Marras
Marrella
Marrero
Marrietta
Marrilee
Marrin
Marriner Eccles
Marriott
Marris
Marrissa
Marron
Marrubium
Marrucinian
Marruecos
Marryat
Mars
Mars brown
Mars orange
Mars probes
Mars ship
Mars violet
Mars yellow
Marsala
Marsden
Marsdenia
Marseillaise
Marseille
Marseilles
Marsh
Marsha
Marshal
Marshall
Marshall Islands
Marshall Plan
Marshallberg
Marshallesse
Marshalltown
Marshallville
Marshalsea
Marshessiding
Marshfield
Marshville
Marsi
Marsian
Marsiella
Marsilea
Marsileaceae
Marsilia
Marsiliaceae
Marsilid
Marsilius of Padua
Marsing
Marsipobranchia
Marsipobranchiata
Marsipobranchii
Marsiland
Marspiter
Marssonia
Marssonina
Marsteller
Marston
Marston Moor
Marsupialia
Marsupiata
Marsyas
Mart
Marta
Martaban
Martainn
Marte
Marteena
Martel
Martell
Martella
Martelle
Martelli
Martello
Martello tower
Marten
Martens
Martensdale
Martes
Marguerita
Marth
Martha
Martha Nause
Martha Washington chair
Martha Washington mirror
Martha Washington table
Martha's Vineyard
Marthasville
Marthaville
Marthe
Marthena
Marti
Martial
Martialist
Martian
Martica
Martie
Martijn
Martin
Martin Feldstein
Martin Florea Ionescu
Martin II
Martin III
Martin IV
Martin Jaite
Martin Luther
Martin Luther King Day
Martin Scorsese
Martin V
Martin du Gard
Martin’
Martin’s anchor
Martin's summer
Martina
Martina Navratilova
Martindale
Martine
Martineau
Martinelli
Martinez
Martini
Martini-Henry
Martinic
Martincan
Martinique
Martinism
Martinist
Martinmas
Martinmas summer
Martino
Martinon
Martinsburg
Martinsdale
Martinsen
Martinson
Martinsville
Martinton
Martinu
Martita
Martius
Martius yellow
Martres
Martsen
Martu
Martville
Marty
Marty Domres
Marty Schottenheimer
Martyn
Martynia
Martyniaceae
Martynne
Martyr
Martz
Marucci
Maruqes Johnson
Marut
Marutani
Marv
Marva
Marve
Marvel
Marvell
Marvella
Marven
Marvin
Marwar
Marwari
Marwin
Marx
Marx Brothers
Marxian
Marxian socialism
Marxianism
Marxism
Marxism-Leninism
Marxist
Marxist-Leninist
Mary
Mary Baker Eddy
Mary Bicouvaris
Mary Cleave
Mary I
Mary II
Mary Jane
Mary Jo Kopechne
Mary Magdalene
Mary Queen of Scots
Mary Russell
Mary Tudor
Marya
Maryalice
Maryann
Maryanna
Maryanne
Marybella
Marybelle
Marybeth
Marybob
Maryborough
Maryd
Marydel
Marydell
Maryellen
Maryfrances
Maryjane
Maryjo
Marykay
Maryknoll
Maryl
Maryland
Maryland Day
Marylander
Marylandian
Marylee
Marylhurst
Marylin
Marylinda
Marylou
Maryly
Marylyn
Marylynne
Marymass
Maryn
Marynae
Maryrose
Maryruth
Marys
Marysa
Marysvale
Marysville
Maryus
Maryville
Marzi
Mas
Masaccio
Masai
Masakazu Kawabe
Masan
Masao
Masarididae
Masaridinae
Masaris
Masaryk
Masayoshi Ito
Masbate
Mascagni
Mascarene Islands
Mascherone
Mascia
Mascot
Mascotte
Mascoustan
Mascouten
Masculine
Masdevallia
Masefield
Masera
Maseru
Masgat
Masha
Masharbrum
Mashe
Mashhad
Mashmiyaa Al Kabira
Mashona
Mashpee
Masinissa
Maskegon
Maskell
Maskelyne
Maskins
Maskoi
Masolino
Mason
Mason and Dixon line
Mason jar
Mason-Dixon Line
Mason-Dixon line
Masonic
Masonite
Masontown
Masonville
Masora
Masorah
Masorete
Masoreth
Masoretic
Masoretical
Masorite
Maspero
Maspiter
Masqat
Masque of the Red Death, The
Masry
Mass
Mass book
Mass part
Massa
Massa Di Sommare
Massachusetts
Massachusetts Bay
Massachusetts Bay Company
Massachusetts ballot
Massacre of the Innocents
Massalia
Massalian
Massapequa
Massapequa Park
Massarelli
Massasoit
Massaua
Massawa
Massekhoth
Massena
Massena quail
Massenet
Massey
Massie
Massif Central
Massilia
Massilian
Massillon
Massimiliano
Massimo
Massine
Massinger
Massingill
Massinisa
Massinissa
Massmonger
Massna
Masson
Masson disk
Massora
Massorah
Massorete
Massoretic
Massoretical
Massoud Rajavi
Massys
Mast
Mastat
Master
Master of Arts
Master of Divinity
Master of Fine Arts
Master of Library Science
Master of Religious Education
Master of Science
Master of the Horse
Master of the King's Music
Master of the Queen's Music
Master of the Rolls
Master spoon
Masterson
Mastic
Mastic Beach
Masticura
Mastigamoeba
Mastigophora
Mastigopoda
Mastodonsaurus
Mastodontidae
Mastrianni
Masulipatam
Masuren
Masuria
Masury
Masya and Masyanag
Mat
MatE
Mata
Mata Hari
Matabele
Matabeleland
Matabeles
Matacan
Matadi
Matador
Matagalpa
Matagalpan
Matagorda
Matamoros
Matamoros
Matane
Matanuska
Matanzas
Matapan
Matar
Matara diamond
Matatua
Matawan
Matazzoni
Matchotic
Mate Ivanov
Mateja Svet
Matejka
Matelda
Matozinhos
Matralia
Matricaria
Matrigan
Matrona
Matronalia
Matronna
Mats Wilander
Matson
Matsu
Matsumoto
Matsuyama
Matsya
Matsys
Matt
Matt Biondi
Matt Guokas
Matt Houkas
Matta
Mattah
Mattapoisett
Mattaponi
Mattapony
Mattathias
Mattawamkeag
Mattawan
Mattawana
Matteo
Matteotti
Matterhorn
Matteson
Matteuccia
Matthaean
Matthaeus
Matthaus
Matthei
Mattheus
Matthew
Matthew Cvetic
Matthew Paris
Matthew Walker
Matthew Walker knot
Matthews
Matthia
Matthias
Matthias Gierens
Matthieu
Matthiew
Matthiola
Matthus
Matthyas
Matti
Matti Ahtisaari
Mattias
Mattie
Mattituck
Mattland
Matto Grosso
Mattoon
Mattox
Mattson
Matty
Maturine
Matusow
Matuta
Mau Mau
Mau Maus
Mau-Mau
Maubeuge
Mauceri
Mauch chunk
Mauchi
Mauckport
Maud
Maude
Maudie
Maudsley
Maudy
Maudye
Mauer
Maugansville
Maugham
Maugis
Maui
Mauk
Maulana
Maulana Abul Kalam Azad
Maulawiyah
Mauldin
Mauldon
Mauler
Maulmain
Mauman
Maumee
Maun
Mauna Kea
Mauritius
Mauritius hemp
Maurits
Mauritz Caransa
Maurizia
Maurizio
Mauro
Maurois
Maurreen
Maurus
Maury
Maurya
Mauryan
Mauser
Mauston
Mauve
Mauve Decade
Mavilia
Mavis
Mavisdale
Mavortian
Mavra
Mavrodaphne
Mawr
Mawson
Mawworm
Max
Max Chigwide
Max Daume
Max Desfor
Max Hugel
Max Mler
Maxa
Maxama
Maxantia
Maxatawny
Maxbass
Maxentia
Maxey
Maxfield
Maxi
Maxia
Maxie
Maxim
Maxim gun
Maxima
Maximalism
Maximalist
Maybelle
Mayberry
Maybeury
Maybird
Maybloom
Maybrook
Mayce
Maycock
Mayda
Mayday
Maydelle
Maye
Mayeda
Mayence
Mayenne
Mayer
Mayer Abramowitz
Mayersville
Mayes
Mayesville
Mayetta
Mayey
Mayeye
Mayfair
Mayfield
Mayflower
Mayflower compact
Mayfly
Mayfowl
Mayhew
Maying
Mayking
Maylene
Maylike
Mayman
Mayme
Maynard
Maynardville
Mayne
Maynet
Maynord
Mayo
Mayodian
Mayologist
Mayon
Mayor
Mayor of Casterbridge, The
Mayoruna
Mazurek
Mazurian
Mazzini
Mazzinian
Mazzinianism
Mazzinist
Mbabane
Mbandaka
Mūeh
Mbaya
Mbaya strip
Mb
Mbaya
Mbubba
Mbujimayi
Mbunda
Mc
Mc-
McAdams
McAdenville
McAdoo
McAfee
McAlester
McAlister
McAlisterville
McAllen
McAllister
McAlpin
McAndrews
McArthur
McBain
McBee
McBride
McBrides
McCabe
McCafferty
McCahill
McCall
McCall
McCalla
McCallion
McCallsburg
McCallum
McCamey
McCammon
McCandless
McCann
McCanna
McCarley
McGaheysville
McGannon
McGaw
McGean
McGee
McGehee
McGill
McGilvary
McGinnis
McGirk
McGonagall
McGovern
McGowan
McGrady
McGrann
McGrath
McGraw
McGraws
McGray
McGregor
McGrew
McGrody
McGruter
McGuffey
McGuire
McGurn
McHail
McHale
McHenry
McHugh
McIlroy
McIntire
McIntosh
McIntyre
McKale
McKay
McKean
McKee
McKeesport
McKenna
McKenney
McKenzie
McKeon
McKesson
McKim
McKinley
McKinney
McKinnon
McQueen
McQueeney
McQuillin
McQuoid
McRae
McReynolds
McRipley
McRoberts
McShan
McSherrystown
McSpadden
McTeague
McTyre
McVeigh
McVeytown
McVille
McWherter
McWhorter
McWilliams
Mcf
Mcfd
Mchen
Mchen-Gladbach
Mcintosh
Mckay
Mcmurdo Sound
Mcon
Mconnais
Md
Mdewakanton
Mdille
Mdilles
Mdme
Mdms
Mdoc
Me
MeV
Mead
Meade
Meador
Meadow
Meadowbrook
Meadows
Meads
Meadville
Meagan
Meaghan
Meagher
Meakem
Meally
Means
Means grass
Meansville
Meantes
Meany
Meara
Meares
Mears
Meath
Meave
Mebane
Mebsuta
Mecaptera
Mecca
Mecca balsam
Meccan
Meccano
Meccawee
Mechaneus
Mechanicsburg
Mechanicstown
Mechanicsville
Mechanicville
Mechelen
Mechelle
Mechir
Mechitarist
Mechitaristican
Mechlin
Mechlin lace
Mechling
Mechnikov
Mecisteus
Mecke
Meckelian
Meckelian cartilage
Mecklenburg
Mecklenburg Day
Mecklenburgian
Meckling
Mecodonta
Mecoptera
Mecosta
Med
MedScD
Meda
Medaille Militaire
Medal for Merit
Medal of Freedom
Medal of Honor
Medan
Medanales
Medarda
Medardas
Medaryville
Medawar
Meddlesome Mattie
Mede
Medea
Medeah
Medell
Medellin
Medeola
Medeus
Medfield
Medford
Medford Lakes
Medgar Evers
Media
Media Atropatene
Median
Mediapolis
Medic
Medicago
Medicaid
Medical Lake
Medicare
Medicean
Medici
Medicine Bow Range
Medicine Hat
Medieval
Medieval Greek
Medieval Latin
Medii
Medill
Medin
Medina
Medina worm
Medinah
Medinilla
Medish
Medism
Megaera
Megalactractus
Megaladapis
Megaema
Megaemidae
Megalania
Megalensian
Megalesia
Megaesian
Megaesian Games
Megalichthyidae
Megalichthys
Megalobatrachus
Megaloceros
Megalodon
Megalodontidae
Megalonychidae
Megalonyx
Megalopidae
Megalopinae
Megaloptera
Megalopyge
Megalopygidae
Megalornis
Megalornithidae
Megalosauridae
Megalosaurus
Megaluridae
Megamastictora
Megamede
Megan
Meganeura
Meganos formation
Meganthropus
Megapenthes
Megaphyton
Megapodidae
Megapodiidae
Megapodius
Megaptera
Megapterinae
Megara
Megarean
Megarensian
Megargee
Megargel
Megarhinus
Megarhyssa
Megarian
Megarianism
Megaric
Megaris
Megarus
Megasoma
Megatheriidae
Megatherium
Megdal
Megen
Megers
Megger
Meggi
Meggie
Meggs
Meggy
Meghalaya
Meghan
Meghann
Megiddo
Megrel
Megrez
Mehala
Mehalek
Mehalick
Mehdi Bazargan
Mehelya
Mehemet Ali
Meherrin
Mehetabel
Mehitabel
Mehitable
Mehmet Ali Agca
Mehoopany
Mehta
Mehul
Mehuman
Mei
Meibers
Meibomia
Meibomian
Meier
Meigs
Meijer
Meiji
Meilen
Meilewagon
Meilhac
Meilichius
Meill
Mein Kampf
Meindert
Meingolda
Meingoldas
Meinong
Meir
Meir Kahane
Meisel
Meissa
Meissen
Meissen porcelain
Meissen ware
Meissonier
Meistersinger
Meistersingers
Meisterstck
Meit
Meithei
Meitner
Mekbuda
Mekhitarist
Mekinock
Mekka
Mekn
Meknes
Mekong
Mekong Delta
Mekoryuk
Mel
Mel Levine
Mela
Melaka
Melaleuca
Melamed
Melamie
Melampsora
Melampsoraceae
Melampus
Melampyrum
Melan
Melanchthon
Melanchthonian
Melanconiaeeae
Melanconiales
Melanconium
Melanesia
Meliola
Meliphagidae
Melipona
Meliponinae
Melisa
Melisande
Melisandra
Melise
Melisenda
Melisent
Melissa
Melisse
Melisseus
Melissie
Melissy
Melita
Melitaea
Melitene
Melitopol
Melitta
Melkite
Mell
Mella
Mellar
Mellen
Mellenville
Mellers
Melleta
Mellette
Melli
Mellicent
Mellie
Mellifera
Mellins
Mellisa
Mellisent
Mellitz
Mellivora
Mellivorinae
Mellman
Mello
Mellon
Melloney
Mellott
Mellwood
Melly
Melmon
Melmore
Membranipora
Membraniporidae
Memel
Memento of the Dead
Memento of the Living
Memline
Memling
Memnon
Memnonia
Memnonian
Memnonium
Memorial Day
Memory
Memphian
Memphis
Memphite
Memphitic
Memphremagog
Mena
Menachem Begin
Menado
Menaechmi
Menahga
Menai Strait
Menam
Menan
Menander
Menangkabau
Menard
Menasha
Menashem
Menaspis
Mencher
Mencius
Mencken
Menckenian
Mend
Mendaite
Mende
Mendel
Mendel's law
Mendel's laws
Mendeleev
Mendeleev's law
Mendelejeff
Mendeleyev
Mendelian
Mendelianism
Mendelianist
Mendelism
Mendelist
Mendelize
Mendelsohn
Mendelson
Mendelssohn
Mendelssohnian
Mendelssohnic
Mendenhall
Menderes
Mendes
Mendez
Mendham
Mendi
Mendie
Mending Wall
Mendip Hills
Mendips
Mendive
Mendocino
Mendon
Mendota
Mendon Heights
Mendoza
Mendy
Meneau
Menedez
Menelaus
Menelik II
Menelik dollar
Menell
Menemsha
Menendez
Menepthah
Menes
Menestheus
Menesthius
Menfra
Menfron
Meng
Meng-tze
Mengelberg
Mengistu Haile Mariam
Mengtze
Mengwe
Menic
Menides
Mentes
Mentha
Menthaceae
Menthe
Mentholatum
Mentmore
Menton
Mentone
Mentone man
Mentor
Mentor-on-the-Lake-Village
Mentzelia
Menuhin
Menura
Menurae
Menuridae
Menyanthaceae
Menyanthaceous
Menyanthes
Menzies
Menziesia
Meo
Mephisto
Mephistophelean
Mephistopheleanly
Mephistopheles
Mephistophilian
Mephistophelic
Mephistophilistic
Mephitinae
Mephitis
Meppen
Mequon
Mer
Mera
Merak
Merano
Meraree
Merari
Meras
Merat
Meratia
Meraux
Merc
Merca
Mercado
Mercast
Mercator
Mercator projection
Mercator sailing
Mercator track
Mercator's projection
Mercatorial
Merce
Merced
Mercedarian
Mercedes
Mercedinus
Mercedita
Mercedonius
Merceer
Mercer
Mercersburg
Mercersburg theology
Merchant
Merchant Marine and Fisheries
Merchant of Venice, The
Merchantville
Merci
Mercia
Mercian
Mercie
Mercier
Merck
Mercola
Mercorr
Mercouri
Mercurean
Mercuri
Mercurialis
Mercurian
Mercurius
Mercurochrome
Mercury
Mercy
Merdith
Meredeth
Meredi
Meredith
Meredithe
Meredithian
Meredithville
Meredosia
Meredyth
Merell
Mereta
Merete
Merginae
Mergui
Mergui Archipelago
Mergulus
Mergus
Meri
Merida
Meridale
Meridel
Meriden
Merideth
Meridian
Meridianii
Meridianville
Meridion
Meridionaceae
Meridional
Meridith
Meriel
Merigold
Merilee
Merill
Merilyn
Merima
Merino
Merino Village
Meriones
Merioneth
Merionethshire
Meris
Merise
Merissa
Meriwether
Merkel
Merker grass
Merkle
Merkley
Merl
Merla
Merle
Merleau-Ponty
Merlin
Merlin Duval
Merlina
Merline
Merlucciidae
Merluccius
Merriott
Merritt
Merritt Island
Merrittstown
Merrouge
Merrow
Merry
Merryville
Merse
Merseburg
Mersenne number
Mersey
Mersey sound
Merseyside
Mershon
Mersin
Mert
Merta
Mertens
Mertensia
Merth
Merthiolate
Merthyr Tydfil
Merton
Mertzon
Mertztown
Merula
Merulius
Merv
Mervin
Mervyn
Mervyn Dymally
Merwin
Merwin Coad
Merwyn
Merychippus
Merycoidodon
Merycoidodontidae
Merycopotamidae
Merycopotamus
Meryl
Mes
Mesa Verde
Mesadenia
Mesartim
Mesaverde
Mesaverde formation
Mescalero
Mesembryanthemaceae
Mesembryanthemum
Mesena
Meservey
Meshach
Meshech
Meshed
Meshoppen
Mesick
Mesics
Mesilla
Mesita
Mesitae
Mesites
Mesitidae
Mesmer
Mesodesma
Mesodesmatidae
Mesodesmidae
Mesodevonian
Mesodevonic
Mesoenatides
Mesohippus
Mesolgon
Mesolithic
Mesolonghi
Mesomyodi
Mesonemertini
Mesonychidae
Mesonyx
Mesoplodon
Mesopotamia
Mesopotamian
Mesore
Mesoreodon
Mesosauria
Mesosaurus
Mesostoma
Mesostomatidae
Mesosuchia
Mesotaeniaceae
Mesotaeniales
Mesothelae
Mesozoa
Mesozoic
Mesopilus
Mesopot
Mesquite
Mesropian
Messalian
Messalina
Messapian
Messapic
Messeigneurs
Messene
Messenia
Messere
Messerschmitt
Messiaen
Messiah
Messiahship
Messianic
Messianically
Messianism
Messianist
Messianize
Messias
Messidor
Messier
Messier catalog
MessinaMessines
Messines
Messinese
Messing
Messrs
Mesthles
Mestor
Mesua
Mesvinian
Meta
Metabel
Metabola
Metabolia
Metabus
Metachlamydeae
Metacomet
Metageitnion
Metairie
Metal Lumber
Metaline
Metamora
Metamorphoses
Metamorphosis, The
Metamynodon
Metanemertini
Metaphen
Metaphysical
Metaspermae
Metastasio
Metatheria
Metaurus
Metaurus River
Metaxa
Metaxas
Metazoan
Metcalf
Metcalfe
Metcalfe bean
Metchnikoff
Meter
Meth
Methedrine
Methedrine pill
Method
Methodism
Methodist
Methodistic
Methodistical
Methodistically
Methodistly
Methodius
Methodize
 Methody
Methow
Methuen
Methuselah
Methyl methacrylate
Methylene azure
Metioche
Metion
Metis
Metiscus
Metius
Metoac
Metol
Metonic cycle
Metope
Metopias
Metopoceros
Metrazol
Metrazol shock therapy
Metrazol therapy
Metridium
Metropolis
Metropolitan Museum
Metrosideros
Metroxylon
Metsky
Metsys
Mettah
Metter
Metternich
Mettie
Metton
Metts
Metty
Metuchen
Metycaine
Metz
Metzgar
Metzger
Metzler
Meum
Meung
Meunier
Meurer
Meursault
Meurthe-et-Moselle
Meuse
Meuse River-Argonne Forest
Meuser
Mev
Mewar
Mex
MexSp
Mexia
Mexico
Mexicali
Mexican
Mexican Spanish
Mexican War
Mexican apple
Mexican bamboo
Mexican bean beetle
Mexican blue palm
Mexican bush sage
Mexican fire-plant
Mexican hairless
Mexican hat dance
Mexican ivy
Mexican jade
Mexican jumping bean
Mexican onyx
Mexican orange
Mexican poppy
Mexican red
Mexican tea
Mexicanize
Mexicano
Mexico
Mexico City
Mexitl
Mexitli
Meyer
Meyerbeer
Meyerhof
Meyeroff
Meyers
Meyersdale
Meyersville
Mezentian
Mezentism
Mezentius
Mezoff
Mg
Mgr
Mhausen
Mheim an der Ruhr
Mi Kincheloe
Mi-le-fo
MiNE
Mia
Mial
Miami
Miami Beach
Miami Shores
Miamis
Miamisburg
Maminitown
Mamiville
Miana bug
Miao
Miaotse
Miaotze
Miaplacidus
Miass
Miastor
Mic
Micaela
Micah
Micajah
Micanopy
Micaville
Micawber
Micawberish
Micawberism
Micco
Miccosukee
Mich
Michabo
Michabou
Michael
Michael Bilandic
Michael Carbajal
Michael Fu Tieshan
Michael Gaughan
Michael Thelven
Michael VIII Palaeologus
Michaela
Michaelangelo
Michaele
Michaelina
Michaeline
Michaelites
Michaella
Michaelmas
Michaelmas Day
Michaelmas blackbird
Michaelmas crocus
Michaelmas daisy
Michaelmas eve
Michaelmas sitting
Michaelmas spring
Michaelmas term
Michaelmastide
Michaeu
Michail
Michal
Michal Pivonka
Michale
Michaud
Michaux
Miche
Micheal
Micheas
Micheil
Michel
Michel Aoun
Michel Auon
Michel Bergeron
Michel Debre
Michel Defferre
Michel Fribourg
Michel Goulet
Michel Jezy
Michel Petit
Michel Rocard
Michelangelesque
Michelangelism
Michelangelo
Michele
Michelia
Michelin
Michelina
Micheline
Michell
Michella
Michelle
Michelozzo
Michelsen
Michelson
Michelson-Morley experiment
Michener
Michey
Michi
Michie
Michiel Schapers
Michigamea
Michigamme
Michigan
Michigan bankroll
Michigan roll
Michigan rummy
Michigander
Michiganian
Michiganite
Michiko
Michoac
Michoacan
Michoacano
Michol
Michon
Mick
Mickelson
Mickey
Mickey Finn
Mickey Leland
Mickey Mouse
Mickey finn
Mickey's
Micki
Mickie
Mickiewicz
Mickleton
Micky
Micmac
Micmae
Micionia
Micramplex
Micraster
Micro
Microeleus
Microchiroptera
Microciona
Microcitrus
Micrococeae
Micrococcus
Microconodon
Microcyprini
Microdrili
Microgadus
Microgaster
Microgastrinae
Microhymenoptera
Micromastictora
Micromeria
Micronesia
Micronesian
Micropodi
Micropodidae
Micropodiformes
Micropterous
Micropterygidae
Micropterygoidea
Micropteryx
Micropus
Microrhopias
Microsauria
Microscopid
Microscopium
Microsorex
Microspermae
Microspheera
Microsporidia
Microsporon
Microsporum
Microsthenes
Microstilis
Microthelyphonida
Microthyriaceae
Microtinae
Microtus
Micrurus
Miculek
Mid
Mid Glamorgan
Mid-african
Mid-american
Mid-april
Mid-asian
Mid-atlantic
Mid-august
Mid-cambrian
Mid-december
Mid-empire
Mid-europe
Mid-european
Mid-february
Mid-huronian
Mid-italian
Mid-january
Mid-july
Mid-june
Mid-lent sunday
Mid-march
Mid-may
Mid-november
Mid-october
Mid-pacific
Mid-pleistocene
Mid-renaissance
Mid-september
Mid-siberian
Mid-tertiary
Mid-upper
Mid-victorian
Mid-victorianism
Midas
Midas touch
Middelburg
Middendorf
Middle
Middle Ages
Middle America
Middle American
Middle Atlantic
Middle Atlantic States
Middle Comedy
Middle Congo
Middle Dutch
Middle East
Middle Eastern
Middle Empire
Middle English
Middle Flemish
Middle French
Middle Greek
Middle High German
Middle Indian
Middle Iranian
Middle Irish
Middle Kingdom
Middle Latin
Middle Low German
Middle Palaeolithic
Middle Passage
Middle Persian
Middle States
Middle Temple
Middle West
Middle Western
Middle Westerner
Middle White
Middle c
Middle high german
Middle indian
Middle iranian
Middle minoan
Middle persian
Middle scots
Middle west
Middle western
Middle westerner
Middle-age
Middle-ageism
Middlebass
Middleboro
Middleborough
Middlebourne
Midville
Midway
Midway Islands
Midway formation
Midwest
Midwestern
Midwesterner
Midwinter day
Mieczyslaw Rakowski
Mieczyslaw Jagielski
Mielziner
Mientao
Mieres
Mies van der Rohe
Miescherian
Miett
Mifflin
Mifflinburg
Mifflintown
Mifflinville
Mig
Migeon
Migel Henriquez Guzman
Mighell
Migiel Angel Asturias
Mignon
Mignonette
Mignonne
Migonitis
Miguel
Miguel Aleman
Miguel Bisbe
Miguel Cuello
Miguel Felix Gallardo
Miguel d'Escoto
Miguel de la Madrid
Miguela
Migueltita
Mihail
Mihalco
Mihe
Mika
Mikado
Mikael
Mikaela
Mikal
Mikan
Mikana
Mikania
Mikasuki
Mike
Mike Abdenour
Mike Aldrete
Mike Bossy
Mike Devereaux
Mike Foligno
Mike Fratello
Mike Gallego
Mike Gminski
Mike Gravel
Mike Krukow
Mike Krushelnyski
Mike Krzyzewski
Mike Lavalliere
Mike Liut
Mike Pagliarulo
Mike Pollio
Mike Schuler
Mike Smrek
Mike Tomczak
Mike Venezia
Mikel
Mikes
Mikey
Mikhail
Mikhail Baryshnikov
Mikhail Gorbachev
Mikhail Griniov
Mikhail Kalinin
Mikhail Kharlamov
Mikhail Solomentsev
Miki
Mikihisa
Mikir
Mikiso
Mikkanen
Mikkel
Mikko Makela
Miko
Mikol
Miksen
Mil
Mila
Milaca
Milam
Milan
Milan Srejber
Milan point
Milanese
Milanese liturgy
Milanese mandolin
Milanion
Milano
Milanov
Milanville
Milazzo
Milbank
Milburn
Milburr
Milburt
Milda
Milde
Mildred
Mildrid
Mile
Miledh
Milena
Miles
Milesburg
Milesian
Milesian tales
Milesius
Milesville
Miletus
Milewski
Miley
Milfay
Milford
Milford Haven
Milhaud
Milicent
Milinda
Miliola
Milissa
Milissent
Military Air Transport Service
Military Cross
Militia bureau
Milka
Milking shorthorn
Milks
Milky Way
Mill
Mill Valley
Mill on the Floss, The
Milla
Milladore
Millais
Millan
Millar
Millard
Millay
Millboro
Millbrae
Millbrook
Millburn
Millbury
Millda
Mildale
Millecent
Milledgeville
Millen
Millennial Church
Millepora
Miller
Miller index
Miller projection
Millerand
Millerism
Millerite
Millers
Millersburg
Millersport
Millerstown
Millersville
Millerton
Millerville
Milles
Milles Bornes
Millet
Millettia
Millfield
Millford
Millhall
Millham
Millheim
Millhon
Millhousen
Milli
Millian
Millican
Millicent
Mimosaceae
Mimpei
Mims
Mimulus
Minus
Mimusops
Min
Mina
Mina Hassan Tani
Minabe
Minaean
Minahassa
Minahassan
Minahassian
Minamata disease
Minamoto
Minardi
Minas Basin
Minas Gerais
Minatare
Minburn
Mince pie
Minch
Minchah
Mincio
Mincopi
Mincopie
Mind
Minda
Mindanao
Mindanao Deep
Mindanao Island
Mindel
Mindel-riss
MindelMindel-riss
Mindelian
Minden
Mindererus
Mindi
Mindoro
Mindszenty
Mindy
Minelamotte
Minenwerfer
Mineola
Miner
Minersville
Minerva
Minervan
Minervic
Mines
Minetta
Minette
Minetto
Mineville
Minford
Ming
Mingche
Mingo
Mingo Junction
Mingoville
Mingrelian
Mingus
Minhah
Minho
Minhow
Mini
Minica
Miniconjou
Minie
Minie ball
Minier
Minimalist
Minimite
Mining Eng
Minister of Agriculture
Minister of Power
Minister of Technology
Minister of Transport
Minister of the Crown
Minitari
Minitrack
Miniver Cheevy
Minkopi
Minkowski universe
Minkowski world
Minn
Minna
Minnaminnie
Minne
Minneapolis
Minneapolisian
Minnehaha
Minneola
Minneota
Minnesota
Minnesota preschool scale
Minnesotan
Minnetaree
Minnetonka
Minnewaukan
Minnewit
Minni
Minnie
Minnie Mouse
Minnie Mouse launcher
Minnis
Minnie
Minny
Mino
Minoan
Minocqua
Minong
Minonk
Minooka
Minor
Minor Prophets
Minorca
Minorca clematis
Minorcan
Minoress
Minorist
Minorite
Minoru
Minos
Minot
Minotaur
Minotola
Minseito
Minsk
Minsky
Minster
Minta
Mintaka
Minter
Minthe
Minto
Mintoff
Minton
Mintun
Minturn
Mintz
Minuit
Minuteman
Minya
Minyades
Minyadidae
Minyae
Minyan
Minyas
Mio
Miocene
Miocene
Miof Mela
Miohippus
Miolnir
Miolnir
Miphiboseth
Miquela
Miquelon
Miquon
Mir
Mira
Mira Ceti
Mirabeau
Mirabel
Mirabell
Mirabella
Mirabelle
Mirabilis
Mirac
Mirach
Mirafloros
Mirak
Miraloma
Mirambo
Miramolin
Miramonte
Miran
Mirana
Miranda
Mirapha
Miranhin
Mireielle
Mireille
Mireill
Mirello
Mirelle
Mirello
Mirfak
Miriam
Miridae
Mirielle
Mirilla
Mirisola
Mirna
Miro
Miroslav Frycer
Miroslav Hermaszlewski
Miroslav Ihnacak
Mirounga
Mirth
Miru
Miryam
Mirza Ali Muhammad of Shiraz
Mischa
Misenheimer
Miseno
Misenus
Miser, The
Miserere
Misericordia
Misha
Mishaan
Mishawaka
Mischicot
Mishikhwutmetunne
Mishima
Mishmi
Mishna
Mishnah
Mishmaic
Mishnayoth
Mishnic
Mishnical
Mishongnovi
Misima
Miskito
Miskolc
Misniac
Miss
Miss America
Miss Emma
Miss Lonelyhearts
Miss-Nancyish
Missa
Missa Solemnis
Missa adventitia
Missa bassa
Missa cantata
Missa capitularis
Missa legata
Missa manualis
Missa media
Missa praesanctificatorum
Missa privata
Missa publica
Missa sicca
Missa solemnis
Missi
Missie
Missie Berteotti
Mission Hills
Missionary Ridge
Missisauga
Mississauga
Mississippi
Mississippi catfish
Mississippian
Missolonghi
Missoula
Missouri
Missouri Valley
Missouri breadroot
Missouri cactus
Missouri gourd
Missouri meerschaum
Missourian
Missourianism
Missouris
Missy
Mistassini
Mister
Mister Charley
Misti
Miston
Mistral
Mistress
Mistress of the Robes
Mistrot
Mists
Misty
Mit brennender Sorge
Mita
Mitakshara
Mitanni
Mitannian
Mitannic
Mitannish
Mllly
Mlos
Mme
Mmes
Mn
Mnemiopsis
Mnemon
Mnemosyne
Mnesicles
Mnevis
Mngr
Mniaceae
Mnidrome
Mniotiltidae
Mnium
Mo
Moab
Moabite
Moabite Stone
Moabitess
Moabitic
Moabish
Moammar Gadhafi
Moapa
Moaria
Moarian
Moatsville
Moattalite
Moazami
Mobeetie
Moberg
Moberly
Mobil
Mobile
Mobile Bay
Mobile terrapin
Mobilian
Mobius
Mobius band
Mobius strip
Mobius transformation
Mobjack
Mobley
Mobridge
Mobula
Mobulidae
Mobutu
Mobutu Sese Seko
Moed
Moehringia
Moen
Moerae
Moeragetes
Moeritheriidae
Moeritherium
Moersch
Moesia
Moeso-goth
Moeso-gothic
Moesogoth
Moesogothic
Moffat
Moffett
Moffit
Moffitt
Mogadiscio
Mogador
Mogadore
Mogan
Mogans
Mogen David
Mogerly
Moghan
Mogilev
Mogollon
Mograbi
Mogrebbin
Moguel
Mogul
Mogul empire
Moguntine
Mohacan
Mohall
Moham
Mohamed
Mohammad
Mohammad Reza Mahdavi Kani
Mohammed
Mohammed Ahmed
Mohammed Al Amin
Mohammed Ali
Mohammed Ali Hamadi
Mohammed Bedjaouni
Mohammed Bekkai
Mohammed Boudiaf
Mohammed Farghali Pasha
Mohammed Hassan el Zayyat
Mohammed II
Mohammed Jasin
Mohammed Kamel
Mohammed Khemisti
Mohammed Riza Pahlavi
Mohammed Sidi Ben Youssef
Mohammed el Sadr
Mohammedan
Mohammedanism
Mohammedanization
Mohammedanize
Mohammedism
Mohammedist
Mohammedization
Mohammedize
Mohand Ou el Hadj
Mohandas
Mohandis
Moharai
Moharram
Mohave
Mohave Desert
Mohave apache
Mohaves
Mohawk
Mohawkian
Mohawks
Mohegan
Mohenjo-Daro
Mohamed Chenik
Mohamed Khider
Mohican
Mohican rig
Mohicans
Mohineyam
Mohism
Mohist
Mohl
Mohn
Mohnton
Moheo
Mohock
Mohockism
Mohole
Moholy-Nagy
Mohr
Mohroodendron
Molorchus
Molossian
Molossidae
Molossus
Molothrus
Molotov
Molotov cocktail
Molike
Molton
Molucca
Molucca Islands
Molucca balm
Moluccan
Moluccas
Moluccella
Moluche
Molus
Mombasa
Mombottu
Momence
Momentum
Momi
Mommi
Mommsen
Mommy
Momordica
Momos
Momotidae
Momotinae
Momotus
Mompos
Momus
Momuses
Mon
Mon-Khmer
Mon-khmer
Mona
Mona Lisa
Mona Lisa dressing
Mona Passage
Monaca
Monacan
Monacanthidae
Monacha
Monachi
Monaco
Monadelphia
Monadina
Monegasque
Monel
Monel Metal
Monel metal
Monera
Monerozoa
Moneses
Monessen
Monet
Moneta
Monett
Monetta
Monette
Monge
Mongeau
Monghol
Mongholian
Mongibel
Mongo
Mongol
Mongol Empire
Mongol-galchic alphabet
Mongolia
Mongolian
Mongolian People's Republic
Mongolian fold
Mongolian idiocy
Mongolian idiot
Mongolian race
Mongolianism
Mongolic
Mongolioid
Mongolish
Mongolism
Mongolization
Mongolize
Mongolo-dravidian
Mongolo-manchurian
Mongolo-tatar
Mongolo-turkic
Mongoloid
Mongoloid race
Mongooses
Mongoyo
Monhegan
Monia
Monias
Monica
Monica Seles
Monico
Monie
Monika
Monilia
Moniliaceae
Moniliales
Monimia
Monimiaceae
Monique
Moniru Genda
Moniz
Monjan
Monjo
Monk
Monkey Trial
Monkton
Monmouth
Monmouth cap
Monmouth cock
Monmouthshire
Monnet
Monney
Mono
Monocentridae
Monocentris
Monoceros
Monocerotis
Monochlamydeae
Monoclonius
Monocoezia
Monocondyla
Monocotyledones
Monocyclica
Monocystidae
Monocystidea
Monocystis
Monodelphia
Monodon
Monodontia
Monoecia
Monogenea
Monogenetica
Monograptidae
Monograptus
Monomorium
Monomya
Monomyaria
Monon
Monona
Mononchus
Monongah
Monongahela
Monopetalae
Monophoto
Monophysism
Monophysite
Monophysitic
Monophysitical
Monophysitism
Monoplacophora
Monopneumoza
Monopoly
Monopteridae
Monopylaea
Monopylaria
Monorhina
Monostomata
Monostomatidae
Monostomidae
Monostomum
Monothalamia
Monothelete
Monotheteletian
Monotheletic
Monothelethic
Monothelelitism
Monotheletism
Monothelism
Monothelite
Monothelitic
Monothelitism
Monothalama
Monothalamic
Monotocardia
Monotremata
Monotrocha
Monotropa
Monotropaceae
Monotropsis
Monotype
Monotype caster
Monotype keyboard
Monoville
Monozoa
Monponsett
Monreal
Monro
Monroe
Monroe Doctrine
Monroe doctrine
Monroeism
Monroeist
Monroeton
Monroeville
Monrovia
Monroy
Mons
Monsanto
Monsarrat
Monseigneur
Monsey
Monsignor
Monsignori
Monson
Monsoni
Monsour
Monstera
Mont
Mont Blanc
Mont Cenis
Mont Cervin
Mont Dore
Mont Saint Michel
Mont blanc ruby
Mont-Cenis
Mont-Saint-Michel
Mont-Saint-Michel and Chartres
Montagna
Montagnac
Montagnais
Montagnard
Montagnards
Montagu
Montagu's harrier
Montague
Montaigne
Montale
Montalvo
Montana
Montana grayling
Montanan
Montanari
Montanez
Montanism
Montanist
Montanistic
Montanistical
Montanize
Montano
Montargis
Montasio
Montauban
Montauk
Montbliard
Montcalm
Montclair
Monte
Monte Carlo
Monte Carlo method
Monte Cassino
Monte Corno
Montefiascone
Montefiore
Montego Bay
Monteith
Montenegrin
Montenego
Montepulciano
Monterey
Monterey cypress
Monterey halibut
Monterey squid skiff
Monteria
Monterrey
Montes
Montesco
Montesinos
Montespan
Montesquieu
Montessori
Montessori method
Montessori system
Montessorian
Montessorianism
Monteux
Montevallo
Monteverdi
Montevideo
Montezuma
Montezuma II
Montezuma cypress
Montezuma's revenge
Montfort
Montfort
Montgolfier
Montgomery
Montgomeryshire
Montgomeryville
Montpelletant
Monti
Montia
Monticello
Monticulipora
Monticuliporidae
Montjoie
Montlucon
Montmartre
Montmelian
Montmorency
Monto
Montoursville
Montparnasse
Montpelier
Montpellier
Montpellier green
Montpellier yellow
Montrachet
Montrachet, Le
Montreal
Montreuil
Montreux
Montrose
Monts
Montserrat
Montu
Monty
Monumbo
Monza
Monzaemon
Mooachaht
Moodus
Moody
Moodys
Mooers
Moog synthesizer
Mook
Moon
Moon Child
Moon type
Moon's type
Moonachie
Mooney
Moonier
Moonstone, The
Moor
Moor dance
Moor-lipped
Moorcroft
Moore
Moore lamp
Moore light
Moore tube
Moore-Smith convergence
Moorefield
Mooreland
Mooresboro
Mooresburg
Moorestown
Mooresville
Mooresville
Moorhead
Moorish
Moorish arch
Moorish idol
Moorland
Moorman
Moorship
Moose Jaw
Moosehead Lake
Mooseheart
Moosic
Moosup
Mopan
Moppo
Mopsus
Moquelumnan
Moqui
Mor
Mora
Moraceae
Moradabad
Moraea
Moraga
Moral Re-Armament
Moral Rearmament
Moran
Morandi
Morann
Morar
Morarji Desai
Morattico
Moratuwa
Morava
Moravia
Moravian
Moravian Church
Moravian Gate
Moravianism
Moravianized
Moravid
Moraxella
Moray
Moray Firth
Morazan
Morbier
Morbihan
Morchella
Morcote
Mord
Mordecai
Mordechai Gur
Mordechai Vanunu
Mordella
Mordellidae
Mordred
Mordv
Mordva
Mordvin
Mordvinian
Mordy
More
More anglico
Morea
Moreau
Moreauville
Morecambe
Moreen
Morehead
Morehouse
Morel
Moreland
Morelia
Morell
Morelos
Morelos orange worm
Morena
Morenci
Moreno
Morentz
Moreote
Morera's theorem
Moresby
Moresco
Moresque
Moreta
Moreton Bay chestnut
Moreton Bay fig
Moreton Bay pine
Moretown
Moretta
Morette
Moretus
Moreville
Morey
Morez
Morgagni
Morgain le Fay
Morgan
Morgan Hill
Morgan le Fay
Morgana
Morganfield
Morganica
Morganne
Morganstein
Morganton
Morgantown
Morganville
Morganza
Morgen
Morgenthaler
Morgenthau
Morgun
Mori
Moria
Moriae Encomium
Moriah
Moriarty
Moric<br>
Moros
Morosaurus
Morovis
Morphean
Morpheus
Morpho
Morphy
Morra
Morral
Morrell
Morrenian
Morrhua
Morrice
Morrie
Morrigan
Morril
Morrill
Morrill Act
Morrilton
Morris
Morris Plains
Morris Plan bank
Morris chair
Morrisdale
Morrisean
Morrison
Morrison formation
Morrisonville
Morrissey
Morriston
Morristown
Morrisville
Morro Bay
Morro Castle
Morrow
Morrowville
Morry
Mors
Morse
Morse alphabet
Morse code
Morse lamp
Morse telegraph
Mort
Morta
Morte d'Arthur, Le
Morten
Mortensen
Motch
Moth
Mother
Mother Carey's chicken
Mother Carey's goose
Mother Goose
Mother Hubbard
Mother Nature
Mother of God
Mother of Parliaments
Mother's Day
Mothering Sunday
Mothering sunday
Mothers of Invention
Motherwell
Motherwell and Wishaw
Motifal
Motley
Moto meter
Motorola
Motown
Motozintlec
Motozintleca
Mott
Motteo
Mottville
Motu
Mou
Mougeotia
Mougeotiaceae
Moukden
Moulay Hassan
Moulden
Mouldon
Moule
Moulin de la Galette, Le
Moulins
Moulinein
Moulton
Moultonboro
Moultrie
Mound
Mound Builder
Mound Builders
Mounds
Mounds View
Moundsville
Moundville
Mount
Mount Ararat
Mount Carmel
Mount Carmel man
Mount Clemens
Mount Desert Island
Mount Dhaulagiri
Mount Dora
Mount Ephraim
Mount Gambier
Mount Gay
Mount Gilead
Mount Healthy
Mount Holly
Mount Isa
Mount Joy
Mount McKinley National Park
Mount Morris
Mount Olive
Mount Oliver
Mount Olympus
Mount Penn
Mount Pleasant
Mount Prospect
Mount Rainier
Mount Rainier National Park
Mount Robson Park
Mount badon
Mountain
Mountain Brook
Mountain Home
Mountain Lakes
Mountain Standard Time
Mountain State
Mountain View
Mountain tatar
Mountain time
Mountainside
Mountbatten
Mountford
Mountfort
Mountie
Mounties
Mounty
Mourant
Moureaux
Mourner's Kaddish
Mourning Becomes Electra
Mouseion
Mousie
Mousoni
Moussorgsky
Moostarian
Moostierian
Mouthcard
Mouton
Movieola
Movietone
Moville
Moviola
Mowbray
Moweaqua
Mowrystown
Moxahala
Moxee
Moxo
Moya
Moyer
Moyers
Moyna
Moynahan
Moyobamba
Moyock
Moyra
Mozamb
Mozambican
Mozambique
Mozambique Channel
Mozambique Current
Mozarab
Mozarabian
Mozarabic
Mozart
Mozartean
Mozartian
Mozelle
Mozes
Mozier
Mozza
Mpangwe
Mpondo
Mr
Mr Big
Mr Brown
Mr Fixit
Mr Smith
Mr X
Mr and Mrs Nobody
Mr Brown
Mr Smith
Mraz
Mrchen
Mren
Mrida
Mrke
Mroz
Mrs
Mrs Brown
Mrs Grundy
Mrs Smith
Mrs Warren's profession
Mrs Brown
Mrs Smith
Mrs Warren's profession
Mru
Ms
Ms-Th
Msgr
Mss
Mster
Msterberg
Mstislav Rostropovich
Mt
Mt Rev
Mt baldy
Mtis
Mts
Mtwara
Mu'imin
Muav limestone
Mubarak Awad
Mucker
Mucoraceae
Mucorales
Mucuna
Mudd
Mudejar
Mudjar
Muehlenbeckia
Mueller
Muenster
Muffin
Mufi
Mufinella
Mulhacen
Mulhall
Mulhausen
Mulhouse
Mulino
Mulius
Mulkeytown
Mulki
Mull
Mullan
Mullane
Mullen
MullenMullens
Muller
Mullerian
Mullidae
Mulligan
Mulliken
Mullin
Mullins
Mullinville
Mulloy
Mullusca
Mulock
Muly
Multan
Multani
Multigraph
Multilith
Multituberculata
Mulvane
Mulvihill
Mumbo Jumbo
Mumbo jumbo
Mumbo-jumboism
Mumetal
Mumford
Mun
Muna
Munafo
Munandi
Muncerian
Muncey
Munch
Munchhausenism
Munchhausenize
Munchhausen
Muncie
Muncy
Munda
Mundari
Munday
Mundelein
Munden
Mundford
Mundt
Mundugumor
Mundugumors
Mundy
Munford
Munfordville
Munger
Mungo
Mungovan
Munhall
Muni
Munia
Munich
Munich Agreement
Munich Pact
Munich beer
Munichism
Munin
Munippus
Munising
Munith
Munitus
Munmro
Munn
Munniks
Munnopsidae
Munnopsis
Munnsville
Munro
Munro
Munroe
Munroe effect
Muns
Munsee
Munsell chroma
Munsell scale
Munsey
Munsey Park
Munshi
Munson
Munsonville
Munster
Munt
Muntiacus
Muntingia
Muntz metal
Munychia
Munychian
Munychion
Muong
Muphrid
Mur
Mura
Muradiyah
Muraena
Muraenidae
Murage
Muraida
Muran
Muranese
Murasaki Shikibu
Murat
Murat Guler
Muratorian
Muratorian canon
Murchison
Murcia
Murdo
Murdocca
Murdoch
Murdock
Mure
Mureil
Mures
Murfreesboro
Muriah
Murial
Muricidae
Muridae
Muriel
Murielle
Murillo
Murinae
Murjite
Murman Coast
Murmansk
Murmi
Murols
Murphy
Murphy bed
Muscinae
Muscoda
Muscoee
Muscoidea
Muscolo
Muscongus Bay boat
Muscongus Bay sloop
Muscotah
Muscovi
Muscovite
Muscovitic
Muscovy
Muscovy company
Muscovy duck
Muse
Muse of history
Muse-descended
Muse-haunted
Muse-inspired
Muse-led
Muse-loved
Muse-ridden
Musella
Muses
Musetta
Musette
Museum of Modern Art
Musgu
Mushabbihite
Mushro
Musial
Musigny
Musil
Muskego
Muskegon
Muskegon Heights
Mushkogeian
Muskogeian
Muskogee
Muskogees
Muskwaki
Muslem
Muslems
Muslim
Muslim calendar
Muslim ruler
Muslim rulers
Muslimism
Muslims
Musophaga
Musophagi
Musophagidae
Muspelheim
Muspell
Muspellsheim
Muspelsheim
Mussaenda
Musser
Musset
Mussman
Mussolini
Mussorgski
Mussorgsky
Mussulman
Mussulmanic
Mussulmanish
Mussulmanism
Mussulmans
Mussulwoman
Mustafa Amin
Mustafa Kemal
Mustafa Khalil
Mustagh
Mustahfiz
Mustapha Al Umari
Mustela
Mustelidae
Mustelus
Mustoe
Mutabilia
Mutazala
Mutazila
Mutazilite
Mutex
Mutilla
Mutillidae
Mutinus
Mutisia
Mutisiaceae
Mutsuhito
Muttra
Mutunus
Mutus
Mutz
Muysca
Muzak
Muzio
Muzo
Muzorewa
Mv
Mw
Mwambutsa IV
Mwanza
Mweru
Mx
My
My Antonia
My Lady
My Lai
My Lord
My Mortal Enemy
Mya
Myacea
Myaria
Myca
Mycah
Myelia-sterilia
Mycenae
Mycenaean
Mycerinus
Mycetes
Mycetophagidae
Mycetophilidae
Mycetozoa
Mychael
Mychal
Mycobacteria
Mycobacteriaceae
Mycobacterium
Mycogone
Mycomycetes
Mycoplana
Mycosphaerella
Mycosphaerellaceae
Mycostatin
Myceteria
Myctodera
Myctophidae
Myctophum
Mydaiidae
Mydais
Myelozoa
Myer
Myers
Myriotrichiaceae
Myristica
Myristicaceae
Myristicivora
Myrle
Myrlene
Myrmecia
Myrmecobiinae
Myrmecobius
Myrmecophaga
Myrmecophagidae
Myrmeleon
Myrmeleonidae
Myrmeleontidae
Myrmica
Myrmicidae
Myrmidon
Myrmidonides
Myrmidonian
Myrmidons
Myrna
Myron
Myron Cowen
Myrothamnaceae
Myrothamnus
Myroxylon
Myrrha
Myrrhis
Myrsinaceae
Myrsiphyllum
Myrt
Myrta
Myrtaceae
Myrtales
Myrtia
Myrtle
Myrtid
Myrtius
Myrtle
Myrtlewood
Myrtus
Myrvyn
Myrwyn
Mysia
Mysian
Mysidacea
Mysidae
Mysis
Mysore
Mystacocete
Mystacoceti
Mystic
Mysticete
Mysticeti
Mystik tape
Mytilacea
Mytilene
Mytilaspis
Mytilidae
Mytilus
Mytishchi
Myton
Myxine
Myxinidae
Myxinoidei
Myxobacteria
Myxobacteriaceae
Myxobacteriales
Myxococcus
Myxogasteres
Myxogastrales
Myxogastres
Myxomycetales
Myxomycetes
Myxophyceae
Myxophyta
Myxopoda
Myxospongiae
Myxospongida
Myxosporidia
Myxosporidiida
Myxosporium
Myxothallophyta
Myzodendraceae
Myzodendron
Myzomyia
Myzontes
Myzostoma
Myzostomata
Myzostomida
Myzostomidae
Mzi
N
N Dak
N Mex
N by E
N electron
N pole
N radiation
N series
N star
N station
N'Djamena
N'djamena
N's
N-bomb
N-shaped
N-shell
N-type star
N/S/F
NA
NAA
NAACP
NAAFI
NAAS
NAB
NABAC
NAC
NACA
NACS
NAD
NADGE
NADH
NADP
NAG
NAGE
NAK
NALGO
NAM
NAMM
NAND
NAND circuit
NANP
NAPAP
NAPLPS
NAR
NARDAC
NAS
NASA
NASAGSFC
NASCAR
NASD
NASDA
NASDAQ
NLS
NM
NMC
NMI
NMOS
NMR
NMS
NMU
NNE
NNP
NNTP
NNW
NNX
NOAA
NOAO
NOC
NOCS
NOP
NOR circuit
NORAD
NORDO
NORGEN
NORML
NOS
NOSC
NORML
NOT circuit
NOTIS
NP
NPA
NPC
NPG
NPI
NPL
NPN
NPP
NPR
NPRM
NPSI
NPV
NQ
NQS
NRA
NRAB
NRAO
NRC
NRDC
NRE
NREN
NRL
NRM
NRO
NROFF
NRPB
NRZ
NRZI
NS
NSA
NSAP
NSB
NSC
NSCS
NSDSSO
NSE
NSEC
NSEL
NSEM
NSF
NSFNET
NSO
NSP
NSPCC
NSPMP
NSRB
NSSDC
NST
NSTS
NSU
NSUG
NSW
NSWC
NT
NTEC
NTEU
NTF
NTIA
NTIS
NTN
NTO
NTP
NTR
NTS
NTSB
NTSC
NTT
NU
NUA
Naara
Naarah
Naashom
Naassenes
Nabal
Nabala
Nabalas
Nabalism
Nabalite
Nabalitic
Nabaloi
Nabalus
Nabataean
Nabatean
Nabathaean
Nabathean
Nabathite
Nabawy Ismail
Nabb
Nabby
Nabeshima ware
Nabila
Nabis
Nabisco
Nablus
Nabokov
Nabonassar
Nabonidus
Naboth
Nabothian
Nabu
Nabuchodonosor
Nace
Naches
Nachison
Nachitoch
Nachitoches
Nachschlag
Nachtmusik
Nachusa
Nacionalista
Nackenheimer
Naco
Nacoochee
Nada
Nadab
Nadaha
Nadabas
Nadabb
Nadabus
Nadaha
Nadaha
Nadbus
Nadda
Nadean
Nadeau
Nadeen
Nader
Nadia
Nadine
Nadiya
Nadja
Nadler
Nador
Nady
Nadya
Naemorhedinæ
Naemorhedus
Nafis
NafI
Nafud
Naga
Nagaland
Nagano
Nagari
Nagasaki
Nagezezi
Nagel
Nagey
Nagle
Nagoya
Nagpur
Nagshead
Naguabo
Naguib Mahfouz
Nagy
Nagyszeben
Nagyvarad
Nagyvrad
Nah
Naha
Nahama
Nahamas
Nahanarvali
Nahane
Nahani
Nahant
Nalda
Naldo
Nalepka
Nalita
Nallen
Nalline
Nally
Nalar
Nam
Nam Tso
Nama
Namaland
Naman
Namangan
Namaqua
Namaqualand
Namaquan
Namara
Nambe
 Namen
Names
Namhoi
Namibia
Nammu
Nampa
Nampula
Namtar
Namur
Nan
Nan Ling
Nan Shan
Nan-ching
Nana
Nanafalia
Nanaimo
Nanak
Nanakuli
Nananne
Nance
Nancee
Nancey
Nanchang
Nanci
Nancie
Nancy
Nancy Landon Kassebaum
Nanda Devi
Nandi
Narayan
Narayan Godse
Narayanganj
Narbada
Narberth
Narbonne
Narcaciontes
Narcaciontidae
Narcaeus
Narco
Narcis
Narciss
Narcissan
Narcissine
Narcissus
Narcobatidae
Narcobatoidea
Narcobatus
Narcomedusae
Narda
Nardin
Nardus
Naresh
Narev
Narew
Nari
Nariko
Narine
Narka
Narmada
Narodna skupshtina
Narra
Narraganset
Narragansett
Narragansett Bay
Narragansett pacer
Narragansetts
Narrows
Narrowsburb
Narsinh
Nartheicum
Narton
Naruhiko Higashikuni
Naruna
Narva
Narvaez
Narvik
Narvon
Nary
Nasalis
Nasby
Nasca
Nascan
Nascani
Naseby
Naselle
Nash
Nashbar
Nashe
Nashim
Nashira
Nashner
Nasho
Nashoba
Nashom
Nashoma
Nashotah
Nashport
Nashua
Nashville
Nashville warbler
Nashwauk
Nasi
Nasia
Nasicornia
Nasiei
Nasireddin
Naskhi
Nasmyth
Nason
Nassa
Nassau
Nassau Mountains
Nassau grouper
Nassawadox
Nassellaria
Nasser
Nassi
Nassib Boulos
Nassidae
Nassir
Nast
Nastase
Nastassia
Nastrnd
Nasua
Nasya
Nat
Nata
Natal
Natal orange
Natal plum
Natala
Natalbany
Natale
Natalee
Natalia
Natalia Zvereva
Natalian
Natalie
Natalie Tauziat
Natalina
Nataline
Natalya
Nataaniel
Nataraja
Natascha
Natasha
Natassia
Natchez
Natchezan
Natchitoches
Nate
Natelson
Nath
Nathalia
Nathalie
Nathan
Nathanael
Nathanial
Nathaniel
Nathanil
Nathanson
Nathrop
Natica
Naticidae
Natick
Natie
Natiha
Natika
Nation of Islam
National
National Academy of Engineering
National Academy of Sciences
National Assembly
National Aviation Day
National Bureau of Standards
National Charter
National Congress
National Convention
National Council
National Country Party
National Covenant
National Enterprise Board
National Front
National Gallery
National Guard
National Health Service
National Industrial Recovery Act
National Labor Relations Act
National Labor Relations Board
National Liberation Front
National Mediation Board
National People's Congress
National Republican Party
National Science Foundation
National Security Council
National Socialism
National Socialist
National Trust
National Union Catalog
National War Labor Board
National Wildlife Service
Nationalist China
Nationalist Party
Nations
Native American
Native Dancer
Native Son
Native States
Natividad
Nativity
Natka
Natoma
Natorp
Natricinae
Natrix
Natt
Natta
Nattie
Natty
Natural Bridge
Natural Bridges
Nature
Nature's elemental din
Nature's mighty law
Nature's second sun
Nature's sole mistake
Naturita
Naubinway
Naucratis
Naugatuck
Naughty Nineties
Naum
Naumann
Naumburgia
Nauplius
Nauru
Nauruan
Nausee La
Nauset
Nausicaa
Nausithous
Nautes
Nautical Almanac
Nautilacea
Nautiloidea
Nauvoo
Nava
Navada
Navaglobe
Navaho
Navaho blanket
Navaho rug
Navaho sandstone
Navahoes
Navahos
Navajo
Navajoes
Navajos
Naval
Naval Air Division
Naval Air Transport Service
Naval Construction Battalion
Naval Reservist
Navarino
Navarra
Navarre
Navarrese
Navarrian
Navarro
Navasota
Navesink
Naviculaceae
Navigation Acts
Navigator Islands
Navpaktos
Navratilova
Navy Air
Navy Cross
Navy Day
Navy List
Navy Nurse Corps
Navy anchor
Navy list
Navy register
Nawrocki
Naxalite
Naxera
Naxos
Nay
Nayar
Nayarit
Nayarita
Naylor
Naytahwaush
Nazar
Nazarate
Nazarean
Nazarene
Nazarenism
Nazareth
Nazario
Nazarite
Nazariteship
Nazaritic
Nazaritish
Nazaritism
Nazarius
Naze
Nazem el Koudsi
Nazerini
Nazi
Nazify
Naziism
Nazimova
Nazirate
Nazirite
Naziritic
Nazis
Nazism
Nazler
Nazlini
Nazrollah Entezam
Nb
NbE
NbW
Nberg
Nd
Ndebele
Ndebeles
Ndjamena
Ndola
Ne
Ne Temere
Ne Win
Nea
Neaera
Neafus
Neagh
Neal
Neal Broten
Neala
Nealah
Neale
Nealey
Neall
Nealon
Nealson
Nealy
Neander
Neanderthal
Neanderthal man
Neanderthaler
Neanderthalism
Neanderthaloid
Neapolis
Neapolitan
Neapolitan ice cream
Neapolitan sixth
Near East
Near Eastern
Near eastern
Nearch
Nearctic
Nearctica
Nearer Tibet
Neau
Neavitt
Neb
Nebaioth
Nebalia
Nebaliacea
Nebaliidae
Nebiim
Nebo
Nebr
Nebraska
Nebraskan
Nebrophone
Nebuchadnezzar
Nebuchadrezzar
Nec
Necator
Necedah
Neche
Neches
Necho
Necho I
Neckar
Necker
Necrophaga
Necrophorus
Nectandra
Nectarinia
Nectariniidae
Nectaris
Nectonema
Nectria
Nectrioidaceae
Necturidae
Necturus
Ned
Neda
Nedda
Neddie
Neddra
Neddy
Nederland
Nederlands
Nedi
Nedra
Nedrah
Nedrow
Nedrud
Nedry
Nee
Needham
Needles
Needmore
Needville
Neel
Neela
Neelon
Neely
Neelyton
Neelyville
Neenah
Neengatu
Neeoma
Neeses
Nefen
Nefertem
Nefertiti
Neff
Neffs
Nefretete
Nefreteted
Nefreteting
Nefud Desert
Negaunee
Negev
Negley
Negreet
Negress
Negri Sembilan
Negri body
Negrillo
Negrillos
Negris
Negritian
Negrictic
Negritise
Negritiséd
Negritiséning
Negritize
Negritized
Negritizeing
Negrito
Negritos
Negritoës
Negrioid
Negritos
Negro
Negro spiritual
Negroes
Negrofy
Negroid
Negroid race
Negroidal
Negroise
Negroised
Negroising
Negroism
Negroization
Negroize
Negroized
Negroizing
Negroloid
Negroni
Negrophil
Negrophile
Negrophilism
Negrophilist
Negrophobe
Negrophobia
Negrophobic
Negrophobist
Negropont
Negros
Negrotic
Negundo
Negus
Neh
Nehalem
Nehantic
Nehawka
Nehemiah
Nehemias
Nehru
Nehru jacket
Neibart
Neidhardt
Neihart
Neil
Neila
Neilah
Neile
Neill
Neilla
Neille
Nelson Piquet
Nelsonia
Nelsonville
Nelumbium
Nelumbo
Nelumbonaceae
Nema
Nemacolin
Nemaha
Nemalion
Nemalionaceae
Nemalionales
Neman
Nemastomaceae
Nematelmia
Nematelmintes
Nemathelmia
Nemathelmintes
Nematocera
Nematoda
Nematognathi
Nematoidea
Nematomorpha
Nematospora
Nembutal
Nembutal pill
Nembutsu
Nemea
Nemean
Nemean Games
Nemean lion
Nemertea
Nemertina
Nemertinea
Nemertini
Nemery
Nemeses
Nemesia
Nemesis
Nemhauser
Nemichthyidae
Nemichthys
Nemo
Nemocera
Nemopanthus
Nemophilae
Nemorensian
Nemours
Nemrod
Nemunas
Nena
Nengahiba
Nenney
Nenni
Nenzel
Neo
Neo-Confucian
Neo-Confucianism
Neo-Confucianist
Neo-Darwinism
Neo-Darwinist
Neo-Gothic
Neo-Hegelian
Neo-Hegelianism
Neo-Impressionism
Neo-Impressionist
Neo-Ju
Neo-Kantian
Neo-Lamarckian
Neo-Lamarckism
Neo-Latin
Neo-Lutheranism
Neo-Melanesian
Neo-Plastic
Neo-Plasticist
Neo-Platonism
Neo-Pythagorean
Neo-Pythagoreanism
Neo-Realism
Neo-Realist
Neo-Romanticism
Neo-Sympathomimetic
Neo-aesthetic
Neo-babylonian
Neo-egyptian
Neo-hebraic
Neo-hebrew
Neo-helgian
Neo-helgianism
Neo-helgianism
Neo-helrenic
Neo-helrenism
Neo-hindu
Neo-kantian
Neo-kantianism
Neo-kantism
Neo-lamarckian
Neo-lamarckism
Neo-lamarckist
Neo-malthusian
Neo-malthusianism
Neo-manichaean
Neo-marxian
Neo-mendelian
Neo-mendelism
Neo-persian
Neo-plantonic
Neo-platonism
Neo-platonist
Neo-punic
Neo-pythagorean
Neo-pythagoreanism
NeoCatholicism
Neoarctic
Neobalaena
Neobeckia
Neocene
Neoceratodus
Neoclassicism
Neocomian
Neodesha
Neofabraea
Neofiber
Neoga
Neogaeia
Neogaeal
Neogaean
Neogaecian
Neogeic
Neogea
Neogeal
Neogeal
Neogene
Neognathae
Neohipparion
Neola
Neolithic
Neom
Neoma
Neomah
Neomeniidae
Neomorpha
Neomylodon
Neona
Neopaleozoic
Neophrion
Neopieris
Neopilina
Neopit
Neoplastic
Neoplasticist
Neoplatonic
Neoplatonician
Neoplatonism
Neoplatonist
Neoplatonistic
Neoprontosil
Neoptolemus
Neornithes
Neosalvarsan
Neoscholasticism
Neosho
Neosorex
Neosporidia
Neotoma
Neotragus
Neotremata
Neotropic
Neotropical
Neotsu
Neowashingtonia
Neozoic
Nep
Nepa
Nepal
Nepalese
Nepali
Nepean
Nepenthaceae
Nepenthes
Neper
Neperian
Nepeta
Neph
Nephele
Nephelium
Nephi
Nephila
Nephilinae
Nephite
Nephrodium
Nephrolepis
Nephrops
Nephropsidae
Nephtali
Nephthys
Nepidae
Nepil
Neponset
Nepos
Neptune
Neptune Beach
Neptune green
Neptunian
Ner Tamid
Neribudda
Nereen
Nereid
Nereidae
Nereidiformia
Nereids
Nereis
Nereocystis
Nereus
Nergal
Neri
Nerin
Nerine
Nerinx
Nerissa
Nerita
Nerites
Neritidae
Neritina
Nerium
Nerland
Nernst
Nernst heat theorem
Nernst lamp
Nero
Nero's-crown
Neroic
Neron
Neronian
Neronic
Neronize
Nerstrand
Nert
Nerta
Nerte
Nerthridae
Nerthus
Nerthus
Nerti
Nertie
Nerty
Neruda
Nerva
Nerval
Nervii
Nes
Nesbit
Nesbitt
Nesconset
Nescopeck
Neses
Neshkoro
Nesiot
Neskihi
Neslia
Nesline
Neslund
Nesmith
Nesogae
Nesogaean
Nesokia
Nesonetta
Nesotragus
Nespelem
Nespelim
Nesquehoning
Ness
Nessa
Nesselrode
Nessi
Nessie
Nessim
Nessler’s reagent
Nessler’s solution
Nesslerize
Nessus
Nessy
Nesta
Nester
Nesto
Nestor
Nestorian
Nestorianism
Nestorianize
Nestorianizer
Nestorius
Net
Netaji
Netawaka
Netchilik
Netcong
Neth
Netherlander
Netherlands
Netherlands Antilles
Netherlands East Indies
Netherlands Guiana
Netherlands West Indies
Nethinim
Nethou
Neti
Neto
Nett
Netta
Nettapus
Nette
Netti
Nettie
Nettion
Nettle
Nettleton
Netty
Neu
Neuberger
Neubrandenburg
Neuburger
Neuchatel
Neuchtel
Neudeckian
Neufchatel
Neufchtel
Neufer
Neuilly
Neuilly-sur-Seine
Neukam
Neumann
Neumark
Neumayer
Neumeyer
Neumster
Neupest
Neurath
Neurope
Neuroptera
Neuropteris
Neuropteroidea
Neurorthoptera
Neusatz
Neuss
Neustria
Neustrian
Neutral zone
Neutrodyne
Nev
Neva
Neva green
Nevada
Nevada Day
Nevadan
Nevado Del Ruiz
Nevai
Neve
Neveda
Never-Never-land
Neverland
Nevers
Neversink
Neviim
Nevil
Nevile
Neville
Nevin
Nevins
Nevis
Nevisdale
Nevlin
Nevome
Nevsa
Nevski
New
New Albany
New Amsterdam
New Atlantis
New Baltimore
New Bedford
New Berlin
New Bern
New Boston
New Braunfels
New Brighton
New Britain
New Brunswick
New Carlisle
New Castile
New Castle
New Church
New Consciousness
New Cumberland
New Deal
New Deal Era
New Delhi
New Democratic Party
New Economic Policy
New Empire
New England
New England Range
New England Transcendentalism
New England aster
New England boiled dinner
New England clam chowder
New England dialect
New Englander
New Englandish
New English Bible
New Forest
New France
New Frontier
New Georgia
New Glasgow
New Granada
New Greek
New Guinea
New Guinea Pidgin
New Guinea macrophyllum
New Hampshire
New Hampshire red
New Hampton
New Harmony
New Haven
New Haven theology
New Hebrides
New Hebrides Condominium
New High German
New Holland
New Iberia
New Ireland
New Jersey
New Jersey plan
New Jerseyan
New Jerseyite
New Jerusalem
New Jerusalem Church
New Journalism
New Kensington
New Kingdom
New Latin
New Learning
New Left
New Lexington
New London
New Look
New Madrid
New Mexico
New Milford
New Model Army
New Nederland
New Objectivity
New Orleans
New Orleans jazz
New Orleans lugger
New Orleans style
New Paltz
New Plymouth
New Providence
New Quebec
New Realism
New Realist
New Richmond
New Roads
New Rochelle
New Romney
New Scotland Yard
New Siberian Islands
New South
New South Wales
New Spain
New Stone Age
New Style
New Test
New Testament
New Thought
New Thoughter
New Thoughtist
New Wave
New Wave'
New Windsor
New World
New World monkey
New Year
New Year's Day
New Year's Eve
New York
New York Bay
New York City
New York Curb Exchange
New York State
New York State Barge Canal
New York State wine
New York Stock Exchange
New York aster
New York cheese
New York cut
New York point
New York's finest
New Yorkese
New Zealand
New Zealand flax
New Zealand seal
New Zealand wineberry
New england
New englander
New englandish
New englandism
New hampshire
New hampshirean
New hampshirite
New jersey
New jerseyite
New mexican
New thought
New thoughter
New thoughtist
New world
New years day
New years eve
New york
New yorker
New zealand
New zealander
New-Testament
Newar
Newari
Newark
Newark Bay
Newark-on-Trent
Newberg
Newberry
Newbery
Newbery Award
Newbill
Newbold
Newburg
Newburgh
Newburgh Heights
Newbury
Newburyport
Newby
Newcastle
Newcastle disease
Newcastle-under-Lyme
Newcastle-upon-Tyne
Newchwang
Newcomb
Newcombe
Newcomen
Newcomer
Newcomerstown
Newel
Newell
Newfeld
Newfie
Newfoundland
Newfoundlander
Newgate
Newhall
Newham
Newhaven
Newhouse
Newichawanoc
Newkirk
Newland
Newlin
Newlon
Newman
Newmanise
Newmanised
Newmanising
Newmanism
Newmanite
Newmanize
Newmanized
Newmanizing
Newmann
Newmark
Newmarket
Newmarket coat
Newport
Newport Beach
Newport News
Newport boat
Newsom
Newsweek
Newton
Newton Falls
Newton's law of gravitation
Newton's law of motion
Newton's laws of motion
Newton's method
Newton's rings
Newtonabbey
Newtonian
Newtonian mechanics
Newtonian physics
Newtonian telescope
Newtonian universe
Newtonianism
Newtonic
Newtonian
Newtown Pippin
Newtown St Boswells
Nexo
Ney
Neysa
Nez Perc
Nez perce
Ng
Ngala
Ngaliema Mountain
Nganhewei
Ngbaka
Ngo
Ngo Dinh Diem
Ngo Dzu
Ngoko
Nguni
Nicol
Nicol prism
Nicola
Nicolaie Ceausescu
Nicolai
Nicolais
Nicolaitan
Nicolaitanism
Nicolas
Nicolas-Favre disease
Nicolau
Nicolaus
Nicolay
Nicol
Nicole
Nicole Jagerman
Nicolea
Nicolella
Nicolet
Nicolette
Nicol
Nicolina
Nicoline
Nicolis
Nicolle
Nicollet
Nicolo Carandini
Nicolson
Nicomachean
Nicosia
Nicostratus
Nicotiana
Nitheroy
Nicut
Nida
Nidaros
Nidhug
Nidia
Nidolf
Nidularia
Nidulariaceae
Nidulariales
Nieberg
Niebuhr
Niederosterreich
Niedersachsen
Niehaus
Niel
Niela
Nike Ajax
Nike Hercules
Nike Zeus
Nike of Samothrace
Nikeno
Nikey
Nikisch
Nikiski
Nikita
Nikita Khrushchev
Nikki
Nikkie
Nikko
Nikky
Niklaus
Niko
Nikola
Nikola Ignatov
Nikola Kavaja
Nikolai
Nikolai Bulganin
Nikolai Ryzhkov
Nikolainkaupunki
Nikolaos
Nikolas
Nikolaus
Nikolayer
Nikolayev
Nikoletta
Nikolia
Nikolos
Nikolski
Nikon
Nikos
Nil
Nila
Niland
Nile
Nile River
Nile blue
Nile green
Niles
Nilgiri Hills
Nilla
Nilo-Saharan
Nilometer
Nilometric
Niloscope
Nilot
Nilote
Nilotes
Nilotic
Nilotic race
Nilous
Nils
Nils Otto Gustaf
Nilson
Nilsson
Nlus
Nilwood
Nimbus
Nimes
Nimesh
Nimitz
Nimkish
Nimocks
Nimrod
Nimrodian
Nimrodic
Nimrodical
Nimrodize
Nimrud
Nims
Nimwegen
Nina
Nina from Carolina
Ninde
Nine
Nine Dragon Scroll
Nine Worthies
Nine-power treaty
Ninetta
Ninette
Ninety-Five, Theses
Nineveh
Ninevite
Ninevitical
Ninevitish
Ningal
Ningirsu
Ningpo
Ningsia
Ningsia Hui Autonomous Region
Ninhursag
Ninib
Ninigino-Mikoto
Ninilchik
Ninkur
Ninlil
Ninmah
Ninnekah
Ninnetta
Ninnette
Nino
Ninon
Ninos
Ninox
Ninsar
Ninshubur
Ninth of Ab
Ninth of Av
Nintoo
Ninurta
Ninus
Niobe
Niobeanc
Niobid
Niobite
Niobrara
Niolo
Nior Nish
Niort
Niota
Niotaze
Nip
Nipha
Nipigon
Nipissing
Niple
Nipmuc
Nipmuck
Nipmucks
Nipomo
Nippon
Nippon chrysanthemum
Nippon daisy
Nipponese
Nipponism
Nipponize
Nippur
Niquiran
Nireus
Nirme
Nirmalin
Nis
Nisa
Nisaean
Nisan
Nisbet
Nisei
Nisen
Nish
Nishada
Nishapur
Nishi
Nishinomiya
Nisquali
Nissa
Nissan
Nisse
Nissen hut
Nissensohn
Nissie
Nisswa
Nissy
Nistru
Nisula
Nisus and Euryalus
Nita
Nitella
Niter
Niteroi
Nitidulidae
Nitin
Nito Alves
Nitralloy
Nitrian
Nitriot
Nitro
Nitrobacter
Nitrobacteriaceae
Nitrobacteriaceae
Nitrosococcus
Nitrosomonas
Nittayuma
Nitti
Nitz
Nitza
Nitzschia
Nitzschiaeae
Niu
Niu Wang
Niuan
Niue
Niuean
Niv
Niven
Nivermais
Niverville
Nivose
Nivre
Niwot
Nixa
Nixie
Nixie tube
Nixon
Nixon Doctrine
Nizam
Nizhni Novgorod
Nizhni Tagil
Njord
Njorth
Nkkelost
Nkomo
Nkrumah
Nnamdi
Nnamdi Azikiwe
No
Noach
Noachian
Noachic
Noachical
Noachite
Noachiun
Noah
Noah's Dove
Noah's ark
Noahic
Noak
Noakes
Noam
Noami
Noank boat
Noank sloop
Noatun
Nobe
Nobel
Nobel Prize
Nobel prize
Nobelist
Non-attic
Non-bantu
Non-baptist
Non-biblical
Non-bolshevik
Non-bolshevist
Non-brahmanical
Non-british
Non-buddhist
Non-calvinist
Non-catholic
Non-caucasian
Non-celtic
Non-chaucerian
Non-chinese
Non-christian
Non-congregational
Non-congressional
Non-cymric
Non-czech
Non-danish
Non-darwinian
Non-druid
Non-egyptian
Non-egyptologist
Non-english
Non-euclidean
Non-european
Non-fascist
Non-flemish
Non-french
Non-gaelic
Non-german
Non-germanic
Non-gothic
Non-government
Non-hamitic
Non-hebraic
Non-hebrew
Non-hellenic
Non-hermanian
Non-hindu
Non-hinduized
Non-homeric
Non-indian
Non-indo-european
Non-ionic
Non-irish
Non-islamic
Non-israelite
Non-israelitish
Non-italian
Non-japanese
Non-jew
Non-jewish
Non-kaffir
Non-legendrean
Non-lutheran
Non-magyar
Non-malay
Non-malayan
Non-malthusian
Non-marcan
Non-mason
Non-mediterranean
Non-mendelian
Non-methodist
Non-mohammedan
Non-mongol
Non-mongolian
Non-moorish
Non-mormon
Non-moslem
Non-moslemah
Non-negritic
Non-negro
Non-nicene
Non-norman
Non-norse
Non-pali
Non-paninean
Non-parisian
Non-peruvian
Non-polish
Non-portuguese
Non-presbyterian
Non-protestant
Non-prussian
Non-pythagorean
Non-quaker
Non-riemannian
Non-roman
Non-russian
Non-sanskritic
Non-saxon
Non-scandinavian
Non-sembete
Non-sembetic
Non-shakespearean
Non-sienese
Non-slavic
Non-spanish
Non-spartan
Non-stoic
Non-swedish
Non-swiss
Non-syrian
Non-tartar
Non-teuton
Non-teutonic
Non-turkish
Non-tuscan
Non-ukrainian
Non-umbrian
Non-unitarian
Non-universalist
Non-uralian
Non-vedic
Non-venetian
Non-vergilian
Non-virginian
Non-welsh
Non-yahgan
Non-zionist
Nona
Nonadorantes
Nonah
Nonantum
Noncalcarea
Nonconformist
Nondalton
Nondeciduata
Nong Khai
Noni
Nonie
Nonimportation act
Nonintercourse Act
Nonintercourse act
Nonius
Nonjuror
Nonna
Nonnah
Nono
Nonpartisan League
Nonruminantia
Nooksack
Noonan
Noonberg
Noordbrabant
Noordholland
Nootka
Nootka cypress
Nootka fir
Nootkas
Nopalea
Nor
Nora
Norah
Norbert
Norbert Nadel
Norbertine
Norbie
Norborne
Norby
Norcatur
Norco
Norcross
Nord
Nord-lais
Nordau
Norden
Nordenskj
Nordenskjold
Nordgren
Nordhausen
Nordhausen acid
Nordheim
Nordhoff
Nordic
Nordic Council
Nordic race
Nordica
Nordicism
Nordicist
Nordicity
Nordicization
Nordicize
Nordin
Nordine
Nordkyn Cape
Nordland
Nordman
Nordrhein-Westfalen
Nordstrom
Nore
Norean
Noreen
Norene
Norfolk
Norfolk Island
Norfolk Island Pine
Norfolk coat
Norfolk jacket
Norfolk spaniel
Norfolkian
Norford
Norge
Noric
Noricum
Norina
Norine
Norita
Nork
Norlene
Norlina
Norling
Norm
Norm Thagard
Norma
Normalie
Normalville
Norman
Norman Conquest
Norman English
Norman French
Norman Wells
Norman arch
Norman-French
Norman-french
Normand
Normand Lacombe
Normandy
Normanesque
Normangee
Normanise
Normanish
Normanism
Normanist
Normanization
Normanize
Normanizer
Normany
Normanna
Normannic
Normantown
Normi
Normie
Normy
Norn
Norna
Nornis
Norns
Norodom Sihanouk
Norphlet
Norri
Norridgewock
Norrie
Norris
Norris-La Guardia Act
Norristown
Norrkoping
Norrkping
Norroway
Norroy
Norroy King of Arms
Norroy and Ulster
Norroy and Ulster King of Arms
Norrv
Norry
Norse
Norse deities
Norse deity
Norse-American
Norseland
Norseman
Norsk
North
North Africa
North African
North America
North American
North Arlington
North Atlantic Current
North Atlantic Drift
North Atlantic Treaty
North Battleford
North Bay
North Bellevernon
North Bellmore
North Belmont
North Bend
North Bergen
North Borneo
North Brabant
North Brookfield
North Cape
North Carolina
North Carolinian
North Catasauqua
North Caucasian
North Caucasus
North Central region
North Channel
North Chicago
North Country
North Dakota
North East Frontier Agency
North Fond du Lac
North Frigid Zone
North Germanic
North Haledon
North Highlander
North Highlands
North Holland
North Island
North Korea
North Little Rock
North Manchester
North Mankato
North Miami
North Miami Beach
North Muskegon
North New Hyde Park
North Ogden
North Olmsted
North Pacific current
North Palm Beach
North Pelham
North Pole
North Rhine-Westphalia
North Richland Hills
North Riding
North River
North Riverside
North Saskatchewan
North Sea
North Star
North Syracuse
North Tarrytown
North Temperate Zone
North Vietnam
North Wales
North Wildwood
North Wilkesboro
North Yorkshire
North pole
North-Sea gas
North-West Frontier
North-West Frontier Province
Northallerton
Northam
Northampton
Northamptonshire
Northanger Abbey
Northants
Northborough
Northcliffe
Northeast
Northeast Passage
Northener
Northern
Northern Cameroons
Northern Cross
Northern Dvina
Northern Ireland
Northern Michigan
Northern Paiute
Northern Rhodesia
Northern Rhodesian
Northern Sotho
Northern Sporades
Northern Spy
Northern Territories
Northern Territory
Northerner
Northernise
Northernised
Northernising
Northernize
Northey
Northill anchor
Northington
Northland
Northman
Northmen
Northport
Northrop
Northrup
Northumb
Northumber
Northumberland
Northumbria
Northumbrian
Northvale
Northville
Northway
Northwest
Northwest Ordinance
Northwest Passage
Northwest Territories
Northwest Territory
Northwich
Northwoods
Norton
Nortonville
Norty
Norumbega
Norval
Norvall
Norvan
Norvell
Norvelt
Norven
Norvil
Norvin
Norvol
Norvun
Norw
Norwalk
Norward
Norway
Norway lobster
Norway maple
Norway rat
Norway ries
Norway spruce
Norwegian
Norwegian Coastal Current
Norwegian Current
Norwegian Sea
Norwegian elkhound
Norwegian saltpeter
Norwegian stove
Norwell
Norwich
Norwich terrier
Norwood
Norword
Nos
Nosairi
Nosairian
Nosema
Nosematidae
Nostoc
Nostocaceae
Nostradamic
Nostradamus
Nostrand
Nosu
Nosy Parker
Notacanthidae
Notacanthus
Notalia
Notasulga
Notelaea
Notarctidae
Notarctus
Nothofagus
Notholaena
Nothosauri
Nothosauridae
Nothosaurus
Noti
Notidani
Notidanidae
Notidanus
Notiosorex
Notkerian
Notodontidae
Notogaea
Notogaeal
Notogaean
Notogaeic
Notogea
Notommatidae
Notonecta
Notonectidae
Notopteridae
Notopterus
Notorhynchus
Notornis
Notoryctes
Notostraca
Nototherium
Nototrema
Notre
Notre Dame
Notre Dame de Paris
Notre dame
Notrees
Notropis
Nottage
Nottawa
Nottingham
Nottinghamshire
Nottoway
Notts
Notungulata
Notus
Nouakchott
Nouma
Noumea
Nouvelle Vague
Nouvelle-Caldonie
Nov
Nov-Esperanto
Nov-Latin
Nov-esperanto
Nova
Nova Lisboa
Nova Scotia
Nova Scotian
Nova Zembla
Nova scotian
Novachord
Novah
Novak
Novalis
Novanglian
Novanglican
Novara
Novas Athenasiadis
Novatian
Novatianism
Novatianist
Novato
Novaya Zemlya
Novelia
Novello
Novels
November
November meteor
Novemberish
Novgorod
Novi
Novi Sad
Novia
Novial
Novick
Novikoff
Novinger
Novo-zelianian
Novocain
Novocaine
Novocherkassk
Novokuznetsk
Novonikolaevsk
Novorossiisk
Novoshakhtinsk
Novosibirsk
Novotny
Novum
Novum Organum
Nowa Huta
Nowata
Nowel
Nowell
Nowroze
Nox
Noxapater
Noxen
Noxon
Noyes
Noyon
Nozi
Nozicka
Nozze di Figaro, Le
Np
Npaktos
Npt
Ns
Nt
Nth
Nu-arawak
Nuangola
Nuba
Numidian crane
Numididae
Numidinae
Numine
Numitor
Nummularia
Nummulinidae
Nummulites
Nummulitidae
Nun
Nunapitchuk
Nunc Dimittis
Nunci
Nuncia
Nunciata
Nunda
Nuneaton
Nunes
Nunetz
Nunica
Nunki
Nunn
Nunnelly
Nunnyery
Nunu
Nupe
Nupercaine
Nuphar
Nur
Nuremberg
Nuremberg egg
Nuremberg violet
Nureyev
Nuri
Nuriel
Nuris
Nuristan
Nurmi
Nurse
Nurul Amin
Nusa Tenggara
Nusairis
Nusakan
Nusku
Nussbaum
Nut
Nutcracker Suite
Nutley
Nutmeg State
Nutrioso
Nuttallia
Nutter
Nutting
Nuttsville
Nuzzi
Nyc
Nyack
Nyangwizi
Nyanga
Nyasa
Nyasaland
Nyassa
Nyaya
Nyberg
Nyctaginaceae
Nyctaginia
Nyctanthes
Nycea
Nyctereutes
Nycteribiidae
Nycteridae
Nycteris
Nycteus
Nycticorax
Nyctimene
Nyctimus
Nyctipithecinae
Nyctipithecus
Nydia
Nye
Nyeman
Nyerere
Nyhagen
Nykobing
Nymphaea
Nymphaeaceae
Nymphalidae
Nymphalinae
Nymphipara
Nymphoides
Nymphonacea
Nymwegen
Nynorsk
Nyoro
Nyquist
Nyregyhza
Nyroca
Nysa
Nysaean Nymphs
Nyseides
Nyssa
Nysaceae
Nyx
O
O & M
O Henry
O Lord
O gauge
O level
O my soul
O star
O station
O wild West Wind
O'
O'-
O'Boyle
O'Brien
O'Callaghan
O'Carroll
O'Casey
O'Connell
O'Conner
O'Connor
O'Dell
O'Doneven
O'Donnell
O'Donoghue
O'Donovan
O'Driscoll
O'Dwyer
O'Fallon
O'Faolain
O'Fiaich
O'Gowan
O'Grady
O'Hara
O'Hare
O'Higgins
O'Keeffe
O'Kelley
O'Kelly
O'Leary
O'Mahony
O'Malley
O'Meara
O'Neil
O'Neill
O'Reilly
O'Rourke
O'Shea
O'Shee
O'Sullivan
O'Toole
O's
O-O gauge
O-gee
O-shaped
O-type star
O-wave
O/D Banking
O/S
O/S Banking
O2
OA
OACIS
OAK
OAO
OAP
OAPC
OAS
OASYS
OAT
OATS
OAU
OB
OBD
OBE
OBO
OBS
Obrit
Obulg
OC
OCAM
OCATE
OCC
OCD
OCDM
OCE
OCI
OCIAA
OCLC
OCLI
OTBS
OTC
OTDR
OTEC
OTF
OTHB
OTL
OTLF
OTM
OTOH
OTR
OTS
OTV
OU
OUTWATS
OV
OW
OWHN
OWI
Oacoma
Oahu
Oak
Oak Creek
Oak Forest
Oak Harbor
Oak Hill
Oak Lawn
Oak Park
Oak Ridge
Oak crown
Oakbluffs
Oakboro
Oakboy
Oakdale
Oakes
Oakesdale
Oakesia
Oakfield
Oakford
Oakhall
Oakham
Oakhurst
Oakie
Oakland
Oaklawn
Oakleil
Oakley
Oaklyn
Oakman
Oakmont
Oaks
Oakton
Oaktown
Oakvale
Oakview
Oakville
Oannes
Oark
Oates
Oatis
Oatman
Oaxaca
Oaxaca de Juarez
Ob
Oba
Obad
Obadiah
Obadias
Obafemi
Obala
Oballa
Oban
Obara
Obasanjo
Obau
Obaza
Obbard
Obbard
Obenite
Obe
Obed
Obeded
Obediah
Obeid
Obel
Obelia
Obellia
Obeng
Ober
Oberammergau
Oberg
Oberhausen
Oberheim
Oberland
Oberlin
Obernburg
Oberon
Oberosterreich
Oberstone
Obert
Obidiah
Obidicut
Obie
Obion
Obla
Oboe
Obola
Obolaria
Obongo
Obote
Obrazil
Obrecht
Obrenovich
Obrien
Obs
Observant
Observantine
Observantist
Obuda
Obwalden
Oby
Oc
Oca
Ocala
Ocana
Ocate
Occam
Occam's razor
Occamism
Occamist
Occamistic
Occamite
Occident
Occidental
Occidentalisation
Occidentalise
Occidentalised
Occidentalising
Occidentalism
Occidentalist
Occidentalization
Occidentalize
Occidentalized
Occidentalizing
Occeleve
Occoquan
Occupation Day
Occupation day
Ocean of Storms
Oceana
Oceania
Oceanian
Oceanic
Oceanic mongol
Oceanica
Oceanican
Oceanid
Oceano
Oceanport
Oceanside
Oceanus
Oceanus Procellarum
Oceanview
Oceanville
Oceola
Ochelata
Ocheyedan
Ochimus
Ochna
Oehnaceae
Ochoa
Ochopee
Ochotona
Ochotonidae
Ochozath
Ochozias
Ochozoma
Ochrana
Ochroma
Ochs
Ocie
Ocilla
Ocimum
Ockeghem
Ockenheim
Ocker
Ockham
Ockham's razor
Ocko
Ocneria
Ocnus
Ocoee
Ocoee series
Oconee
Oconnor
Oconomowoc
Oconto
Ocotea
Ocotillo
Ocracoke
Ocreatae
Oct
Octacnemus
Octactiniae
Octandria
Octans
Octateuch
Octave
Octavia
Octavian
Octavie
Octavius
Octavla
Octavus
October
October Revolution
October bird
October club
Octobrist
Octocoralla
Octocorallia
Octodon
Octodontidae
Octodontinae
Octogynia
Octopoda
Octopus, The
Oculi sunday
Oculina
Oculinidae
Ocydromus
Ocypete
Ocypoda
Ocyypode
Ocyypodidae
Ocyrooe
Ocyroidae
Ocyrrhoe
Od
Odab
Odacidae
Odanah
Odawa
Odax
Odd fellow
Odd fellowship
Oddfellow
Oddibe McDowell
Odds
Oddsbud
Ode
Ode on Indolence
Ode on Melancholy
Ode on a Grecian Urn
Ode to Autumn
Ode to Duty
Ode to Psyche
Ode to a Nightingale
Ode to the West Wind
Odebolt
Odeen
Odel
Odele
Odelet
Odelia
Odelinda
Odell
Odella
Odelle
Odelsting
Odelsting
Odem
Oden
Odense
Odenton
Odenville
Oder
Oder-Neisse Line
Odericus
Odessa
Odets
Odetta
Odette
Odey
Odie
Odilia
Odille
Odilo
Odilon
Odin
Odine
Odinian
Odinic
Odinism
Odinist
Odinitic
Odlo
Odo
Odoacer
Odobenidae
Odobenus
Odocoileus
Odom
Odon
Odonata
Odonnell
Odontaspidae
Odontaspidae
Odontaspididae
Odontaspis
Odontocete
Odontoceti
Odontoglossae
Odontoglossum
Odontognathae
Odontolcae
Odontophoridae
Odontophorinae
Odontophorus
Odontopteris
Odontopteryx
Odontormae
Odontornithes
Odontosyllis
Odontotormae
Odoric
Odostemon
Odovacar
Odra
Odrick
Ods
Odsbodkins
Odum
Odus
Ody
Odynerus
Odyssean
Odysseus
Odysseus Elytis
Odyssey
Odz
Odzookers
Odzooks
Oe
Oeagrus
Oeax
Oebalus
Oecanthus
Oech
Oedemeridae
Oedcinemus
Oedipal
Oedipean
Oedipus
Oedipus at Colonus
Oedipus complex
Oedogoniaceae
Oedogoniales
Oedogonium
Oeclin
Oehlenschlger
Oehsen
Oeil de Perdrix
Oelrichs
Oelwein
Oenanthe
Oeneus
Oeno
Oenocarpus
Oenomaus
Oenone
Oenopides
Oenopion
Oenothera
Oenotheraceae
Oenotrian
Oeonus
Oerlikon
Oesel
Oesophagostomum
Oestrelata
Oestridae
Of Time and the River
Of table
Ofallon
Ofelia
Ofella
Offa
Offaly
Offen
Offenbach
Offerle
Offerman
Offertory
Office of Civil Defense
Office of Consumer Affairs
Office of Economic Opportunity
Office of Emergency Planning
Office of Management and Budget
Office of Naval Research
Office of Science and Technology
Office of the Dead
Official
Official Receiver
Official Referee
Official Solicitor
Offutt
Ofelia
Ofo
Ofori
Og
Ogaden
Ogallah
Ogallala
Ogasawara Gunto
Ogasawara Jima
Ogata
Ogawa
Ogbomosho
Ogboni
Ogburn
Ogocephalidae
Ogocephalus
Ogdan
Ogden
Ogdensburg
Ogdon
Ogeechee lime
Ogema
Ogg
Ogham Irish
Oghuz
Ogilvie
Ogilvy
Oglala
Oglesby
Oglethorpe
Ogma
Ogmios
Ogoouor Ogowe
Ogor
Ogpu
Ogren
Ogun
Ogunquit
Ogygia
Ogygian
Ogygus
Ohara
Ohare
Ohatchee
Ohaus
Ohio
Ohio buckeye
Ohioan
Ohiopyle
Ohiowa
Ohl
Ohley
Ohlman
Ohm
Ohm's law
Oidium
Oil Rivers
Olean Ajax
Oileus
Oilla
Oilmont
Oilton
Oiltrough
Oilville
Oina
Oira
Oireachtas
Oise
Oisin
Oistrakh
Oita
Oizys
Ojai
Ojibwa
Ojibwas
Ojibway
Ok
Oka
Okabena
Okahumpka
Okajima
Okanogan
Okapia
Okarche
Okaton
Okauchee
Okavango
Okawville
Okay
Okayama
Okazaki
Okean
Okeana
Okechuku
Okeechobee
Okeene
Okefenokee Swamp
Okeghem
Okemah
Okemos
Oken
Oketo
Okhotsk
Okhotsk Current
Okie
Okinagan
Okinawa
Okinawan
Oklad
Okla
Oklafalaya
Oklahannali
Oklahoma
Oklahoma City
Oklahoman
Oklunion
Oklawaha
Oklee
Okmulgee
Okoboji
Okolona
Okovanggo
Okreek
Oktaha
Oktoberfest
Okuari
Okubo
Okun
Okuninushi
Okwu
Ola
Olacaceae
Olaf
Olaf I
Olaf II
Olaf V
Olag
Olalla
Olamon
Olancha
Oland
Olanta
Olar
Olatha
Olathe
Olaton
Olav
Olav I
Olav II
Olav V
Olavo
Olax
Olbers
Olcha
Olchi
Olcott
Old
Old Bailey
Old Believer
Old Bendy
Old British
Old Bulgarian
Old Cairo
Old Castile
Old Catholic
Old Church Slavic
Old Church Slavonic
Old Clootie
Old Comedy
Old Curiosity Shop, The
Old Dart
Old Delhi
Old Dominion
Old Dutch
Old English
Old English cut
Old English pattern
Old English sheep dog
Old English sheepdog
Old Faithful
Old Fashioned glass
Old Flemish
Old Forge
Old Franconian
Old French
Old Frisian
Old Glory
Old Gooseberry
Old Guard
Old Guardist
Old Harry
Old High German
Old Horny
Old Icelandic
Old Ionic
Old Irish
Old King, The
Old Kingdom
Old Lady of Threadneedle Street
Old Latin
Old Left
Old Low Franconian
Old Low Frankish
Old Low German
Old Man and the Sea, The
Old Man of the Sea
Old Man, the
Old Mug
Old Ned
Old Nick
Old Norse
Old North French
Old Northwest
Old Orchard Beach
Old Paar
Old Persian
Old Poker
Old Pretender
Old Prussian
Old Ritualist
Olivia
Olividae
Olivie
Olivier
Oliviero
Oliy
Olla
Ollayos
Ollen
Olli
Ollie
Oilty
Olm
Olmito
Olmitz
Olmstead
Olmsted
Olmstedville
Olney
Olneya
Olton
Olodort
Olof Palme
Olomouc
Olonets
Olonetsian
Olonetsish
Olonos
Olor
Oloron
Olpe
Olpidiaster
Olpidium
Olsburg
Olsen
Olsewski
Olshausen
Olson
Olsson
Olszyn
Olton
Olustee
Olva
Olvan
Olwen
Olwena
Oly
Olympe
Olympia
Olympiad
Olympiadic
Olympian
Olympian Games
Olympian detachment
Olympian heights
Olympian loftiness
Olympianism
Olympianize
Olympianly
Olympians
Olympianwise
Olympias
Olympic
Olympic Games
Olympic Mountains
Olympic National Park
Olympic Peninsula
Olympic games
Olympic gods
Olympic medal winner
Olympicly
Olympicness
Olympics
Olympie
Olympieion
Olympio
Olympionic
Olympium
Olympus
Olynthiac
Olympian
Olynthian
Olynthus
Olyphant
Om
Omagh
Omagua
Omaha
Omahas
Omak
Oman
Omanc
Omar
Omar Khayyam
Omari
Omarr
Omayyad
Omdurman
Omena
Omer
On
On Liberty
Ona
Onaga
Onagra
Onagraceae
Onaka
Onalaska
Onamia
Oncorhynchus
Onancock
Onarga
Onas
Onassis
Onawa
Onaway
Onchidiidae
Onchidium
Onchiota
Onchocerca
Oncidium
Oncorhynchus
Onder
Ondine
Ondo
Ondrea
Ondrej
One Thousand Guineas
One-two-three
Oneal
Oneals
Oneco
Oneg Shabbat
Onega
Onega Bay
Onego
Oneida
Oneida Lake
Oneil
Oneill
Onekama
Onemo
Oneonta
Oneonta sandstone
Onfre
Onfroi
Ong
Ongun
Oni
Onia
Onida
Onions
Oniscidae
Oniscoidea
Oniscus
Oniskey
Onitsha
Onley
Only-Begotten Son
Onmun
Ono
Onobrychis
Onoclea
Onofredo
Onohippidium
Onondaga
Onondagan
Onondagas
Ononis
Onopordon
Onosmodium
Onslow
Onstad
Onsted
Ont
Ontarian
Ontaric
Ontario
Ontina
Ontine
Ontonagon
Onychophora
Onyx
Oocystaceae
Oocystis
Ookala
Oolitic
Oologah
Ooltewah
Oomycetes
Oona
Oonagh
Oosporeae
Oost
Oostburg
Oostende
Ootocoidea
Oozy
Op
Opa-Locka
Opal
Opalina
Opaline
Opalinidae
Opalocka
Opata
Opdyke
Opegrapha
Opel
Opelika
Opelousas
Opelt
Open Boat, The
Open Brethren
Open University
Openglopish
Operculata
Orange Free State
Orange Mountains
Orange Park
Orangeburg
Orangefield
Orangeism
Orangeist
Orangeman
Orangeman's Day
Orangemen
Orangemen's Day
Orangevale
Orangeville
Oraon
Oratorian
Oratorianism
Oratorianize
Oratory
Oraville
Orazio
Orbadiah
Orban
Orbicella
Orbiculoidea
Orbilian
Orbilius
Orbisonia
Orbitelariae
Orbitoides
Orbitolina
Orbitolites
Orbulina
Orca
Orcadian
Orcas
Orchard Park
Orchestia
Orchestiidae
Orchidaceae
Orchidales
Orchis
Orcinus
Orcus
Orczy
Ord
Ordeal of Richard Feverel, The
Order of Merit
Order of the Garter
Order of the Purple Heart
Orderville
Ordinary level
Ordnance Survey
Ordovian
Ordovices
Ordovician
Ordway
Ordzhonikidze
Ore
Ore Mountains
Oreamnos
Oreana
Oreas
Orebro
Orefield
Oreg
Oregon
Oregon Jargon
Oregon Trail
Oregon boat
Oregon cedar
Oregon fir
Oregon grape
Oregon myrtle
Oregon pine
Oregon trail
Oregonia
Oregonian
Orel
Orel Hershiser
Oreland
Orelee
Orelia
Orelie
Orella
Orelle
Orelu
Orem
Oren
Orenburg
Orense
Oreocarya
Oreodon
Oreodontidae
Oreodoxa
Oreophasinae
Oreophasis
Oreopithecus
Oreortyx
Oreotragus
Oreotrochilus
Orest
Oreste
Orestean
Oresteia
Orestes
Orestes complex
Oresund
Orfeo
Orfeo ed Euridice
Orferd
Orff
Orfield
Orfinger
Orford
Orfordville
Orfurd
Organization of African Unity
Organization of American States
Orgas
Orgel
Orgell
Orgoglio
Ori
Oria
Orian
Oriana
Oriane
Orianna
Orias
Oribatidae
Oribel
Oribella
Oribelle
Orick
Oriel
Orient
Oriental
Oriental alabaster
Oriental calm
Oriental carpet
Oriental fruit moth
Oriental rug
Orientalia
Orientalis
Orientalisation
Orientalise
Orientalised
Orientalising
Orientalism
Orientalist
Orientalize
Orientalogy
Oriente
Origanum
Origen
Origenian
Origenic
Origenical
Origenism
Origenist
Origenistic
Origenize
Origin of Species, The
Origine
Orin
Orinda
Oringa
Oringas
Orinoco
Oriole
Oriolidae
Oriolus
Orion
Orion's Belt
Orion's Hound
Orion's Sword
Orionis
Orions hound
Oriska
Oriskanian
Oriskany
Orissa
Orit
Orithyia
Oriya
Oritzaba
Orji
Orjonikidze
Orkhon
Orkney
Orkney Islands
Orkneyan
Orkneys
Orla
Orlan
Orlanais
Orland
Orlando
Orlans
Orlanta
Orlantha
Orlean
Orleanais
Orleanism
Orleanist
Orleanistic
Orleans
Orlena
Orlene
Orlich
Orlin
Orlina
Orlinda
Orling
Orlon
Orlosky
Orlov
Orly
Orma
Orman
Orman Erbe
Ormand
Ormandy
Ormazd
Orme
Ormiston
Ormond
Ormond Beach
Orms
Ormsby
Ormuz
Orna
Ornas
Orne
Orneus
Ornie
Ornithischia
Ornithocephalidae
Ornithocephalus
Ornithodelphia
Ornithodoros
Ornithogaea
Ornithogaean
Ornithogalum
Ornitholestes
Ornithomimidae
Ornithomimus
Ornithopappi
Ornithopoda
Ornithoptera
Ornithopteris
Ornithorhynchidae
Ornithorhynchus
Ornithosauria
Ornithoscelida
Ornithurae
Ornstead
Ornytus
Oro y Plata
Orobanchaceae
Orobanche
Orobatoidea
Orochon
Orocovis
Orohippus
Orola
Oromo
Orondo
Orono
Oronoco
Oronogo
Orontes
Orontium
Orontius
Orose
Orosi
Orosius
Orotinan
Orovada
Orovilla
Oroya fever
Orozco
Orpah
Orpha
Orphean
Orpheist
Orpheus
Orphic
Orphical
Orphically
Orphicism
Orphism
Orphist
Orphize
Orpington
Orr
Orran
Orrefors glass
Orren
Orrick
Orrin
Orrington
Orrstown
Ortanna
Orrum
Orrville
Orsa
Orsay
Orsini
Orsino
Orsk
Orsola
Orson
Ortalidae
Ortalis
Ortega
Ortega y Gasset
Ortegal
Orten
Ortensia
Orth
Orthaea
Orthagoriscus
Ortheris
Orthia
Orthidae
Orthis
Orthman
Orthocarpus
Orthoceran
Orthoceras
Orthoceratidae
Orthodox
Orthodox Christianity
Orthodox Church
Orthodox Jew
Orthodox Judaism
Orthodoxy
Orthodoxy Sunday
Orthonectida
Orthopoda
Orthoptera
Orthopteroidea
Orthorrhapha
Orthos
Orthros
Orthrus
Orting
Ortiz
Ortler
Ortles
Ortley
Ortol
Orton
Ortonville
Ortrud
Ortrude
Ortygian
Ortyginae
Ortyx
Orunchun
Oruntha
Oruro
Orv
Orva
Orvah
Orval Faubus
Orvan
Orvas
Orvie
Orvieto
Orvil
Orville
Orwell
Orwellian
Orwigsburg
Orwin
Orycteropodidae
Orycteropus
Oryctolagus
Oryol
Oryssidae
Oryssus
Oryx
Oryza
Oryzomys
Oryzopsis
Oryzorictes
Oryzorictinae
Os
Osage
Osage orange
Osages
Osaka
Osakis
Osana
Osanna
Osawatomie
Osber
Osbert
Osborn
Osborne
Osbourn
Osbourne
Osburn
Osc
Oscan
Oscar
Oscar Arias
Oscar II
Oscarella
Oscarellidae
Osceola
Oschophoria
Oscilight
Oscillaria
Oscillariaceae
Oscillatoria
Oscillatoriaceae
Oscines
Oscinidae
Oscinis
Osco
Osco-Umbrian
Osco-umbrian
Oscoda
Ose Napoleon Duarte
Osee
Osei
Oseretsky test
Osetian
Osetic
Otomitlan
Otozoum
Otranto
Otsego
Ott
Ottavia
Ottawa
Ottawa Hills
Otte
Otter
Otterbein
Otterburn
Ottertail
Otterville
Otti
Ottie
Ottlie
Ottilia
Ottine
Ottinger
Otto
Otto I
Otto cycle
Otto engine
Ottoman
Ottoman Empire
Ottoman cord
Ottoman empire
Ottoman turkish
Ottomanean
Ottomanic
Ottomanism
Ottomanization
Ottomanize
Ottomanlike
Ottomans
Ottomite
Ottonian
Ottosen
Ottoville
Ottsville
Ottumwa
Ottweilian
Otuquian
Otus
Otway
Otwell
Otyak
Ouachita
Ouachita stone
Ouachitas
Ouagadougou
Ouaquaga
Oubangi
Oubangui
Oudemian
Oudenodon
Oudh
Oueddei Goukouni
Ouessant
Oueta
Ouida
Ouija
Ouija board
Oujda
Oulman
Oulu
Our Father
Our Father which art in Heaven
Our Lady
Our Lord
Our Town
Ouranos
Ouray
Ourouparia
Ouse
Ouspensky
Out-babylon
Out-herod
Out-machiavelli
Out-milton
Out-nero
Out-quixote
Out-timon
Out-tory
Outagami
Outcast of the Islands, An
Outer
Outer Hebrides
Outer Mongolia
Outehe
Outing
Outlaw
Outlook
Outward Bound
Outward Bound movement
Ouzinkie
Ova
Ovaherero
Oval
Ovalle
Ovalo
Ovambo
Ovampo
Ovando
Ovangangela
Ovapa
Overbrook
Overcoat, The
Overgaard
Overijssel
Overland
Overland Park
Overlander
Overly
Overpeck
Overton
Oveta
Ovett
Ovibos
Ovibovinae
Ovid
Ovida
Ovidae
Ovidian
Oviedo
Ovillus
Ovinae
Ovis
Ovovivipara
Ovula
Owades
Owain
Owaneco
Owanka
Owasco
Owasso
Owatonna
Owego
Owen
Owen Bieber
Owen Stanley
Owen Stanley Range
Owena
Owendale
Owenia
Owenian
Owenism
Owenist
Owenite
Owenize
Owens
Owensboro
Owensburg
Owensville
Owenton
Owerri
Owicim
Owings
Owings-Mills
Owingsville
Owl nebula
Owlglass
Owlspiegle
Owosso
Owyhee
Ox
Ox-Bow Incident, The
Ox-god
Oxalidaceae
Oxalis
Oxbow
Oxford
Oxford Down
Oxford English
Oxford Group
Oxford Movement
Oxford accent
Oxford bags
Oxford blue
Oxford chrome
Oxford clay
Oxford corner
Oxford corners
Oxford dash
Oxford down
Oxford frame
Oxford gray
Oxford grey
Oxford rule
Oxford shoe
Oxford shoes
Oxford theory
Oxford tie
Oxford ties
Oxfordian
Oxfordism
Oxfordist
Oxfords
Oxfordshire
Oxfordshire Down
Oxley
Oxly
Oxnard
Oxon
Oxonian
Oxonolatry
Oxus
Oxyaena
Oxyaenidae
Oxybaphus
Oxyccoccus
Oxydendrum
Oxydercæ
Oxylabracidae
Oxylabrax
Oxylus
Oxyopidae
Oxypolis
Oxyrrhynchus papyri
Oxyrrhyncha
Oxystomata
Oxytricha
Oxytropis
Oxyuridae
Oyama
Oyana
Oyashio Current
Oyens
Oyo
Oys
Oysterville
Oz
Oza
Ozalid
Ozan
Ozark
Ozark Mountains
Ozark series
Ozark state
Ozarks
Ozawikie
Ozen
Ozenfant
Ozias
Ozkum
Ozmo
Ozona
Ozonium
Ozzie
Ozzy
P
P & L
P & O
P station
P trap
P wave
P'eng-hu
P's
P-Celtic
P-language
P-plane
P-shaped
P-state
P-tongue
P/C
P2
P3
P4
PA
PA system
PABA
PABX
PAC
PACE
PACT
PACX
PAD
PAK
PAL
PAM
PAMD
PAN
PANS
PAO
PAP
PAR
PAR radar
PARC
PAS
PAT
PAU
PAX
PAYE
PB
PBC
PBD
PBM
PBS
PBT
PBX
PBX operator
PC
PCA
PCAT
PCB
PCC
PCDA
PCDOS
PCF
PCH
PCI
PCIE
PCL
PCM
PCN
PCNFS
PCO
PCPC
PCS
PCS
PCSA
PCTE
PCTS
PCTV
PCV valve
PD
PDAD
PDE
PDES
PDF
PDI
PDL
PDN
PRISM
PRMD
PRO
PROFS
PROLOG
PROM
PROMATS
PROPAL
PROTEL
PRS
PRTC
PS
PSA
PSAP
PSAT
PSC
PSDC
PSDN
PSDS
PSE
PSF
PSG
PSI
PSIU
PSK
PSL
PSM
PSN
PSO
PSP
PSR
PSS
PST
PSTN
PSU
PSV
PSW
PSWM
PT
PT boat
PT-boat
PTA
PTAT
PTD
PTE
PTFE
PTI
PTN
Pachons
Pachston
Pacht
Pachtton
Pachuca
Pachuco
Pachuta
Pachydermata
Pachylophus
Pachyma
Pachyrhizus
Pachysandra
Pachystima
Pachytylus
Pacian
Pacien
Pacifa
Pacific
Pacific Islands
Pacific Northwest
Pacific Ocean
Pacific Standard Time
Pacific barracuda
Pacific dogwood
Pacific high
Pacific madrone
Pacific sturgeon
Pacific time
Pacifica
Pacificas
Pacificia
Pacinian
Pack
Packard
Packer
Packston
Packton
Packwaukee
Packwood
Paco
Pacoima
Pacolet
Pacorro
Pactolian
Pactolus
Padang
Padda
Paddie
Paddies
Paddington
Paddy
Paddyism
Paddywack
Paddywhack
Padege
Paden
Paderborn
Paderewski
Paderna
Padget
Padgett
Padina
Padishah
Padma Shri
Padova
Padraic
Padraig
Padric
Padroni
Padua
Paduan
Paduanism
Paducah
Padus
Paelignian
Paeon
Paeonia
Paeoniaceae
Paeonian
Paesiello
Paestum
Paff
Paganalia
Paganalian
Paganini
Pagano-christian
Pagano-christianize
Pagas
Page
Pagedale
Pageland
Pageos
Pages
Paget
Paget's cancer
Paget's disease
Paleo-american
Paleo-amerind
Paleo-asiatic
Paleo-christian
Paleo-eskimo
Paleo-siberian
Paleoanthropus
Paleocene
Paleoconcha
Paleogene
Paleolithic
Paleosiberian
Paleotropical
Paleozoic
Palermitan
Palermo
Pales
Palesman
Palestine
Palestinian
Palestinian Arab
Palestrina
Palette of Narmer
Paley
Palgrave
Pali
Pali Canon
Palici
Palicourea
Palila
Palilia
Palilicium
Palinuridae
Palinurus
Palisa
Palisades
Palissy
Palissy ware
Palitzsch
Paliurus
Palk Strait
Pall
Pall Mall
Palla
Palladia
Palladian
Palladian window
Palladianism
Palladin
Palladio
Palladium
Pallas
Pallas Athena
Pallas's cat
Pallaten
Pallaton
Palliata
Pallini
Palliobanchiata
Palliyan
Pallmall
Pallu
Pallua
Palluites
Palm
Palm Beach
Palm Springs
Palm Sunday
Palm beach
Palm sunday
Palma
Palma christi
Palma de Mallorca
Palmaceae
Palmae
Palmas
Palmcoast
Palmdale
Palmdesert
Palmella
Palmellaceae
Palmer
Palmer Archipelago
Palmer Land
Palmer Peninsula
Palmerdale
Palmerston
Palmerston North
Palmersville
Palmerton
Palmgren
Palmipedes
Palmira
Palmiro
Palmolive
Palmore
Palmyra
Palmyrene
Palmyrenian
Palo
Palo Alto
Paloalto
Palocedro
Palocz
Paloma
Palomar
Palomino
Palopinto
Palos
Palos Verdes Estates
Palouse
Paloverde
Palpicornia
Pals
Palta
Palua
Paluas
Paludicella
Paludicolae
Paludina
Palumbo
Palus
Palus Epidemiarum
Palus Nebularum
Palus Putredinis
Palus Somni
Palus Somnii
Paluxy
Pam
Pama-Nyungan
Pamela
Pamelina
Pamella
Pamir
Pamiri
Pamirian
Pamirs
Pamlico
Pamlico Sound
Pammi
Pammie
Pammy
Pampa
Pampanga
Pampangan
Pampango
Pampeluna
Pamphilidae
Pamphilus
Pamphylia
Pamplico
Pamplin
Pamplona
Pampuch
Pamunkey
Pan
Pan American Day
Pan American Union
Pan's pipes
Pan-African
Pan-Africanism
Pan-Africanist
Pan-American
Pan-Americanism
Pan-Arab
Pan-Arabic
Pan-Arabism
Pan-German
Pan-Germanism
Pan-Slav
Pan-Slavic
Pan-Slavism
Pan-Teutonism
Pan-african
Pan-afrikander
Pan-afrikanderdom
Pan-america
Pan-american
Pan-americanism
Pan-anglican
Pan-arab
Pan-arabia
Pan-arabism
Pan-asianism
Pan-asiatic
Pan-asiaticism
Pan-babylonian
Pan-babylonism
Pan-britannic
Pan-british
Pan-buddhism
Pan-buddhist
Pan-celtic
Pan-celticism
Pan-china
Pan-christian
Pan-croat
Pan-europe
Pan-european
Pan-german
Pan-germanic
Pan-germanism
Pan-germanist
Pan-germany
Pan-gothic
Pan-hispanic
Pan-hispanism
Pan-islam
Pan-islamic
Pan-islamism
Pan-islamist
Pan-israelittish
Pan-latinist
Pan-mongolian
Pan-mongolism
Pan-moslemism
Pan-orthodox
Pan-orthodoxy
Pan-pacific
Pan-presbyterian
Pan-protestant
Pan-prussianism
Pan-russian
Pan-satanism
Pan-scandinavian
Pan-sclav
Pan-sclavism
Pan-sclavist
Pan-sclavonian
Pan-serb
Pan-slav
Pan-slavic
Pan-slavism
Pan-slavist
Pan-slavistic
Pan-slavonian
Pan-slavonic
Pan-slavonism
Pan-syrian
Pan-teutonism
Pan-turanian
Pan-turanianism
Pan-turanism
Pana
Panaca
Panacea
Panaggio
Panagia
Panagias
Panak
Panaka
Panama
Panama Canal
Panama Canal Company
Panama Canal Zone
Panama City
Panama balata
Panama bark
Panama congress
Panama disease
Panama hat
Panama ipecac
Panama laurel
Panama redwood
Panama rubber
Panama shell
Panama wood
Panama-hat plant
Panamaian
Panaman
Panamanian
Panamano
Panamic
Panamint
Panamint Mountains
Panamist
Panathenaeae
Panathenaean
Panathenaic
Panay
Panayan
Panayano
Panayiotis
Panboeotian
Pancake Day
Pancha Sila
Panchaia
Panchatantra
Pango Pango
Panguitch
Pangwe
Panhandle state
Panhellenic
Panhellenios
Panhellenism
Panhellenist
Panhellenium
Pani
Panic
Panicularia
Panicum
Paninean
Panini
Panonia
Panonian
Panionic
Panipat
Paniquita
Paniquitan
Panjabi
Panjim
Pankhurst
Panmunjom
Panmunjon
Panna
Pannamaria
Pannetier green
Pannini
Pannon
Pannonia
Pannonian
Pannonic
Panoan
Panofsky
Panola
Panolia deer
Panomphaeus
Panopeus
Panoptes
Panora
Panorpa
Panorpatae
Panorpidae
Panpipe
Pansey
Pansie
Paoting
Paotow
Pap test
Papadopoulos
Papagayo
Papagayo wind
Papagena
Papageno
Papago
Papaikou
Papal Court
Papal States
Papandreou
Papaver
Papaveraceae
Papaverales
Papayaceae
Pape
Papeete
Papen
Paperbound Books in Print
Papert
Paphian
Paphian Goddess
Paphiopedilum
Paphlagonia
Paphos
Paphus
Papiamento
Papias
Papilio
Papilionaceae
Papiliones
Papilionidae
Papilionides
Papilioninae
Papilionoidea
Papinachois
Papineau
Papinian
Papio
Papist
Papke
Papotto
Papp
Pappano
Pappas
Pappea
Papst
Papsukai
Papua
Papua New Guinea
Papua mace
Papua nutmeg
Papuan
Papuan race
Paque
Paquito
Par
Para
Para-thor-mone
Paracelsian
Paracelsianism
Paracelsic
Paracelsist
Paracelsistic
Paracelsus
Paraclete
Paracress
Paradies
Paradis
Paradise
Paradisea
Paradiseidae
Paradiseinae
Paradisia
Paradiso
Paradoxides
Paradoxurinae
Paradoxurus
Paraebius
Paragonah
Paragonimus
Paragould
Paraguay
Paraguay tea
Paraguayan
Parahippus
Paraiba
Paraiba do Norte
Paraiba do Sul
Paraiyan
Paralipomenon
Paralipomenona
Paramariibo
Paramaribo
Paramatman
Paramecidae
Paramecium
Paramoecium
Paramount
Paramus
Paran
Parana
Paranagua
Paranthropus
Parapaguridae
Parapsida
Paraquat
Pararctalia
Pararctalian
Parashah
Parashioth
Parashoth
Parasita
Parasitica
Parasitidae
Parasuchia
Paratheria
Parazoa
Parbate
Parber
Parca
Parcae
Parcel
Parcel-greek
Parcel-latin
Parcheesi
Parcoal
Pardanthus
Pardeesville
Pardeeville
Pardew
Pardner
Pardo
Pardoes
Pardubice
Pare
Pareiasauri
Pareiasauria
Pareiasaurus
Pareioplitae
Parent
Parent-Teacher Association
Parentalia
Parnassianism
Parnassiinae
Parnassism
Parnassus
Parnell
Parnellism
Parnellite
Parnopius
Parochial Church Council
Paron
Paros
Parosela
Parotia
Parousia
Parowan
Parr
Parra
Parridae
Parrie
Parrington
Parris
Parrisch
Parrish
Parnell
Parrott
Parrottsville
Parry
Parryville
Parsaye
Parsee
Parseecism
Parshall
Parshuram
Parsi
Parsic
Parsifal
Parsiism
Parsippany
Parsism
Parsons
Parsonsburg
Parsonsia
Parsva
Partage de Midi
Partan
Parthen
Parthena
Parthenia
Partheniae
Parthenium
Parthenius
Parthenocissus
Parthenolatry
Parthenon
Parthenopaean
Parthenope
Parthenopean
Parthenos
Parthia
Parthian
Parthian shot
Parthinia
Parthic
Particulars of Claim
Partlet
Partlow
Partridge
Parts of Holland
Parts of Kesteven
Parts of Lindsey
Parukutu
Parus
Parvati
Paryavi
Parzival
Pas
Pas-de-Calais
Pasadena
Pasadis
Pasahow
Pasargadae
Pasay
Pascagoula
Pascal
Pascal's law
Pascal's theorem
Pascal's triangle
Pascale
Pasascia
Pasch
Pasch day
Pascha
Paschal I
Paschal II
Paschaltide
Paschasia
Paschen series
Paschen-Back effect
Pascia
Pascin
Pasco
Pascoag
Pascoe
Pascola
Pascua Florida Day
Pascual
Pasho
Pashto
Pasia
Pasigraphy
Pasionaria
Pasiphae
Pasitelean
Pasithea
Paske
Paskenta
Paski
Paso
Pasol
Pasolini
Paspalum
Pasquale
Pasqualina
Pasquil lock
Pasquin
Pasquinian
Pasquino
Pass
Passadumkeag
Passagian
Passaic
Passalidae
Passalus
Passamaquoddy
Passamaquoddy Bay
Passe
Passer
Passeres
Passeres anisomyodi
Passeres diacromyodi
Passeriformes
Passerina
Passero Cape
Passiflora
Passifloraceae
Passiflorales
Passion
Passion Sunday
Passion Sundaying
Passion Week
Passion music
Passion play
Passion sunday
Passion week
Passionist
Passiontide
Passo Fundo
Passover
Passover bread
Passover wine
Passumpsic
Passy
Past
Pastelki
Pasternak
Pasteur
Pasteur effect
Pasteur treatment
Pasteurella
Pasteurelleae
Pasteurian
Pastinaca
Pasto
Pastoral Epistle
Pastoral Symphony, The
Pasture
Pat
Pat Caddell
Pat Elynuik
Pat Ewing
Pat Lafontaine
Pat Off
Pat Swindall
Pat Verbeek
Patagon
Patagones
Patagonia
Patagonian
Pataria
Patarin
Patarine
Patarinism
Pataskala
Patavian
Patchogue
Pate
Patellidae
Paten
Patent Office
Patent Rolls
Pater
Pater Noster
Pater Patriae
Pater noster
Paternoster
Pateros
Paterson
Paterson's curse
Pathan
Pathe
Pathfinder, The
Pathrusim
Pathsounder
Patiala
Patience
Patillas
Patin
Patman
Patmian
Patmo
Patmore
Patmos
Patna
Patma rice
Patnode
Patoka
Paton
Patrai
Patras
Patrecia
Patric
Patrica
Patrice
Patrich
Patricia
Patrician
Patricio
Patricio Cornejo
Patrick
Patrick Leahy
Paul Revere
Paul Tagliabue
Paul VI
Paul Weyrich
Paul Yost
Paul the Apostle
Paul-Pry
Paula
Paulden
Paulding
Paule
Pauletta
Paulette
Pauli
Pauli exclusion principle
Pauliad
Paulian
Paulianist
Pauliccian
Paulicianism
Paulie
Paulina
Pauline
Pauline Epistles
Pauline privilege
Pauling
Paulinia
Paulinian
Paulinism
Paulinist
Paulinistic
Paulinistically
Paulinity
Paulinize
Paulinus
Paulism
Paulist
Paulista
Paulita
Paulite
Paull
Paulina
Paulo
Paulo Cunha
Paulownia
Pauls Valley
Paulsboro
Paulsen
Pawtucket
Pax
Pax Britannica
Pax Dei
Pax Romana
Paxico
Paxillosa
Paxinos
Paxon
Paxton
Paxtonville
Pay
Payagua
Payaguan
Payette
Paymar
Paymaster-General
Payne
Payne's gray
Paynesville
Payneville
Payni
Paynize
Paynter
Pays de la Loire
Paysand
Paysandu
Payson
Payton
Paz
Paz Estenssoro
Paza
Pazend
Pazia
Pazice
Pazit
Pb
Pd
Peabody
Peace
Peace Corps
Peace River
Peace of God
Peach Festival
Peach melba
Peacham
Peachbottom
Peachland
Peachtree
Peacock
Peacock throne
Peadar
Peak District
Peake
Peale
Peano
Peano curve
Peapack
Pear Ridge
Pearblossom
Pearce
Pearcy
Pearisburg
Pearl
Pearl Harbor
Pearl River
Pearla
Pearland
Pearle
Pearline
Pearlington
Pearlman
Pearlstein
Pearly Gates
Pearman
Pears
Pearsall
Pearse
Pearson
Peary
Pease
Peaster
Peatroy
Peba
Peban
Pebrook
Pebworth
Pecatonica
Pechenga
Pechora
Peck
Peckham
Peckinpah
Pecksniff
Pecksniffery
Pecksniffian
Pedro
Pedro Albizu Campos
Pedro Arrupe
Pedro Domecq
Pedro Gnavi
Pedro Guerrero
Pedro Manuel de Aristegui
Pedrotti
Pedroza
Pedunculata
Pee Dee
Peebles
Peebleshire
Peedee
Peekskill
Peel
Peele
Peelism
Peelite
Peell
Peene
Peeping Tom
Peer
Peer Gynt
Peerce
Peerless
Peers
Peery
Peetz
Peever
Peg
Pega
Peganum
Pegasean
Pegesian
Pegasid
Pegasidae
Pegasus
Pegeen
Pegg
Peggi
Peggie
Peggir
Peggs
Peggy
Pegma
Pegram
Pegu
Peguan
Peh
Pehlevi
Pehuenche
Pei-ching
Peiching
Peiping
Peipus
Peiraeus
Peiraios
Peirce
Peirsén
Peisch
Peisenor
Peisistratus
Peitho
Pejepscot
Pejsach
Pekín
Pekinese
Peking
Peking blue
Peking man
Pekingese
Pel
Pelag
Pelaga
Pelage
Pelagi
Pelagia
Pelagian
Pelagian Islands
Pelagianism
Pelagianize
Pelagianized
Pelagianizer
Pelagianizing
Pelagias
Pelagius
Pelagon
Pelagothuria
Pelahatchie
Pelardon de Rioms
Pelargi
Pelargikon
Pelargomorphae
Pelasgi
Pelasgian
Pelobates
Pelobatidae
Pelodytes
Pelodytidae
Pelomedusa
Pelomedusidae
Pelomyxa
Pelopaeus
Pelopa
Pelopi
Pelopia
Pelopid
Pelopidae
Peloponnese
Peloponnesian
Peloponnesian War
Peloponnesian Wars
Peloponnesos
Peloponnesus
Pelops
Pelotas
Pelpel
Pelson
Pelsor
Peltandra
Peltier
Peltier effect
Peltier element
Peltier heat
Peltigera
Peltigeraeae
Peltogaster
Peltz
Pelusios
Pelvetia
Pelycosauria
Pelzer
Pemaquid
Pemba
Pember
Pemberton
Pemberville
Pembina
Pembine
Pembroke
Pembrooke
Pembroke table
Pembrokeshire
Pembrook
Pen
Pen Argyll
Pena
Penaea
Penaeaceae
Penalosa
Penang
Penargyl
Penasco
Penates
Pence
Penchi
Pender
Penderecki
Pendergast
Pendergrass
Pendleton
Pendragon
Pendroy
Peneios
Penelopa
Penelope
Penelope's web
Penelopean
Penelophon
Penelopinae
Peneus
Penfield
Pengelly
Penghu
Penghu Penghutao
Penghutao
Pengilly
Pengpu
Penguin Island
Penh
Penhall
Penhook
Penicillium
Peninsula
Peninsula War
Peninsular State
Peninsular War
Penitas
Penitente
Penitentes
Penki
Penland
Penrose
Penryn
Pensacola
Pensacola Bay
Pensacola pilot boat
Pensees
Penseroso Il
Pent
Pentarcrinidae
Pentarcrinus
Pentadactyla
Pentagon
Pentagonese
Pentagynia
Pentamera
Pentameridae
Pentamerus
Pentandria
Pentaphylacaceae
Pentaphylax
Pentastomida
Pentastomum
Pentateuch
Pentateuchal
Pentatomidae
Pentatomoidea
Pentecost
Pentecostal
Pentecostaria
Pentelic
Pentelican
Pentelicus
Pentelikon
Pentha
Penthea
Pentheam
Pentheas
Penthesilea
Penthesileia
Penthestes
Pentheus
Penthoraceae
Penthorum
Penthland
Penthland Firth
Pentothal
Pentothal interview
Pentothal sodium
Pentremites
Pentremitidae
Pentress
Pentstemon
Pentwater
Pentzia
Penuelas
Penuian
Penwell
Penza
Penzance
Peonir
Peony
People's Assembly
People's Charter
People's Commissar
People's Consultative Congress
People's Council
People's Party
People's Republic of China
Peoples
Peoria
Peoria Heights
Peorian
Peosta
Peotone
Pepe
Pepeekeo
Peper
Peperomia
Pepredo
Pepi
Pepillo
Pepin
Pepin the Short
Peptita
Pepito
Peppard
Peppel
Pepper
Pepper Pike
Pepperell
Peppi
Peppie
Peppy
Pepsi
PepsiCo
Pepto-Bismol
Pepusch
Pepys
Pepysian
Pequabuck
Pequannock
Pequea
Pequot
Per
Per Hakkerup
Per Lindstrand
Pera
Peracarida
Peraea
Perak
Perakim
Peralta
Perameles
Peramelidae
Peramium
Peratae
Perates
Perbunan
Perca
Perce
Percesoces
Perceval
Perche
Percheron
Percheron norman
Perchta
Percidae
Perciformes
Percival
Percivale
Percoidea
Percomorphi
Percy
Perdicinae
Perdido
Perdita
Perdix
Perdu
Perean
Peregrine
Pereira
Perelman
Perennibranchiata
Pereskia
Peretz
Perez
Perfectus
Perfeti
Perforata
Pergamene
Pergamenian
Pergamic
Pergamon
Pergamos
Pergamum
Pergamus
Pergolesi
Pergrim
Perham
Peri
Peria
Perialla
Periander
Periapis
Periarctic
Periboea
Perice
Pericle Felici
Periclean
Pericles
Pericles Prince of Tyre
Periclymenus
Pericu
Peridermium
Peridineae
Peridiniaceae
Peridiniales
Peridinidae
Peridiniidae
Peridinium
Peridot
Perieres
Perigord
Perigord pie
Perigordian
Perigune
Perikeiromene
Perikiromene
Perilaus
Perilla
Perimedes
Perimele
Perioeci
Periopis
Peripatetic
Peripatetic school
Peripateticism
Peripatidae
Peripatidea
Peripatopsidae
Peripatopsis
Peripatus
Periphas
Periphetes
Periplaneta
Periploca
Perish in Their Pride
Perisphinctes
Perisphinctidae
Perisporiaceae
Perisporiales
Perissodactyla
Peristeromorphae
Peristeropodes
Peritrare
Peritricha
Perkasie
Perkin
Perkin's mauve
Perkin's purple
Perkin's violet
Perkins
Perkinston
Perkinsville
Perkiomenville
Perkoff
Perks
Perl
Perla
Perlaria
Perle
Perley
Perlidae
Perlie
Perlis
Perlman
Perloff
Perm
Permalloy
Permanent Court of Arbitration
Permiak
Permian
Permocarboniferous
Pernambuco
Pernas
Pernell
Perettia
Perni
Pernick
Pernik
Pernis
Pernod
Pero
Perodipus
Perognathinae
Perognathus
Peromedeusae
Peromela
Peromyscus
Peron
Peronism
Peronismo
Peronist
Peronista
Peronistas
Peronospora
Peronosporaceae
Peronosporales
Peropoda
Perot
Perotin
Perotinus
Perovo
Perpendicular style
Perpetua
Perpignan
Perr
Perrault
Perreault
Perren
Perret
Perretta
Perri
Perrie
Perrin
Perrine
Perrineville
Persian
Persins
Perrinton
Perris
Perron
Perronville
Perry
Perry Berezan
Perryhall
Perryman
Perryopolis
Perrysburg
Perrysville
Perryton
Perryville
Pers
Persae
Persas
Perse
Persea
Perseid
Persephassa
Persephone
Persepolis
Persepolitan
Perseus
Pershing
Persia
Persian
Persian Empire
Persian Gulf
Persian Wars
Persian berry
Persian blinds
Persian blue
Persian carpet
Persian cat
Persian earth
Persian knot
Persian lamb
Persian lilac
Persian melon
Persian red
Persian rug
Persian sibyl
Persian walnut
Persianist
Persianization
Persianize
Persians, The
Persic
Persicaria
Persichetti
Persicize
Persille de Savoie
Persis
Persism
Persius
Person
Persona
Persons
Perspectivism
Perspex
Perspex 'chin' housing
Persse
Persson
Perth
Perthshire
Pertusaria
Pertusariaceae
Peru
Peru Current
Peru balsam
Perugia
Perugian
Peruginesque
Perugino
Perugino II
Perularia
Perun
Perusse
Perutz
Peruvian
Peruvian balsam
Peruvian bark
Peruvian mastic tree
Peruvian rhatany
Peruvian wine
Peruvianize
Peruzzi
Pervouralsk
Perzan
Pesach
Pesah
Pesaro
Pescadero
Petofi
Petoskey
Petr
Petr Klima
Petr Prajsler
Petr Svoboda
Petra
Petracca
Petrarch
Petrarchal
Petrarchan
Petrarchan sonnet
Petrarchesque
Petrarchian
Petrarchianism
Petrarchism
Petrarchist
Petrarchistic
Petrarchistical
Petrarchize
Petras
Petrea
Petrel
Petrey
Petri Skriko
Petri dish
Petrick
Petricola
Petricolidae
Petrie
Petrified Forest
Petrified Forest, The
Petriillo
Petrina
Petrine
Petrinism
Petrinist
Petrinize
Petrobium
Petrobrusian
Petrogale
Petrograd
Petrolia
Petrolina
Petromilli
Petromyzon
Petromyzontes
Petromyzontidae
Petronella
Petronia
Petronilla
Petronille
Petronius
Petropavlovsk
Petros
Petroselinum
Petrosian
Petrouchka
Petrovsk
Petrozavodsk
Petropolis
Petru Groza
Petsamo
Petta
Pettibone
Pettifer
Pettiford
Pettigrew
Pettisville
Pettit
Pettus
Petty
Petua
Petula
Petulah
Petulia
Petunia
Petur Gudmundsson
Petuu
Peucedanum
Peucetii
Peugeot
Peugia
Peul
Peumus
Peursem
Peutingerian
Pevely
Pevsner
Pevzner
Pewamo
Pewaukee
Peyerian
Peyter
Peyton
Peytona
Peytonsburg
Peziza
Pezizaceae
Pezizales
Pezophaps
Pfaff
Pfaffian
Pfafftown
Pfalz
Pfannkuchen
Pfeffer
Pfeffernsse
Pfeifer
Pfeifferella
Pflister
Pfizer
Pflugerville
Pforzheim
Pfosi
Pfund series
Pg
Ph
PhD
PhL
PhM
Phaca
Phacid phad
Phacelia
Phacidiaeae
Phacidales
Phacochoerus
Phacopidae
Phacops
Phaea
Phaeacia
Phaeacian
Phaeax
Phaedo
Phaedon Gizikis
Phaedra
Phaedrus
Phaenna
Phaenogamia
Phaeodaria
Phaeophyceae
Phaeophyta
Phaeosporales
Phaeosporeae
Phaestus
Phaet
Phaethon
Phaethonic
Phaethontes
Phaethontic
Phaethontidae
Phaethusa
Phagedaena
Phagineae
Phaidra
Phaith
Phail
Phainopepla
Phaistos
Phajus
Phalacrocoracidae
Phalacrocorax
Phalaecean
Phalaecian
Phalaenae
Phalaenidae
Phalaenopsis
Phalan
Phalange
Phalangeridae
Phalangerinae
Phalangida
Phalangidea
Phalangides
Phalangigrada
Phalangiidae
Phalangista
Phalangistidae
Phalangium
Phalaris
Phalarism
Phalaropodidae
Phaleucian
Phallaceae
Phallales
Phanar
Phanario
Phanariote
Phanerocarpaceae
Phanerocarpous
Pheni
Phenica
Phenice
Phenicia
Phenix
Pheny
Pherae
Phereclus
Pherercretean
Pherercreatian
Pherercratic
Phererphatta
Pherkad
Pherophatta
Phersephatta
Phersephoneia
Phi
Phi Beta Kappa
Phi phenomenon
Phia
Phidiac
Phidian
Phidias
Phidippides
Phigalian
Phil
Phil Esposito
Phil-african
Phil-arabian
Phil-arabic
Phil
Philadelphia
Philadelphia lawyer
Philadelphia pepper pot
Philadelphian
Philadelphianism
Philadelphus
Philae
Philan
Philana
Philander
Philanthidae
Philanthropinum
Philanthus
Philathea
Philbert
Philbin
Philbo
Philbrook
Philby
Philcox
Philem
Philemol
Philemon
Philender
Philepitta
Philepittidae
Philesia
Philetaerus
Philharmonic
Philharmonic concert
Philia
Philibert
Philina
Philine
Philip
Philip Agee
Philip Bonsal
Philip Buchen
Philip Habib
Philip II
Philip IV
Philip V
Philip VI
Philip the Good
Philipa
Philippines
Philipp
Philippa
Philippan
Philippe
Philippe de Seynes
Philippeville
Philippi
Philippian
Philippians
Philippic
Philippics
Philippine
Philippine Islands
Philippine Sea
Philippine mahogany
Philippines
Philippism
Philippist
Philippistic
Philo-pole
Philo-polish
Philo-russian
Philo-slav
Philo-slavism
Philo-teuton
Philo-teutonism
Philo-turk
Philo-turkish
Philo-turkism
Philo-yankee
Philo-yankeeist
Philo-zionist
Philoctetes
Philodendron
Philodina
Philodinidae
Philoctetus
Philohela
Philolaus
Philomachus
Philomath
Philomel
Philomela
Philomena
Philomont
Philonian
Philonic
Philonis
Philonism
Philonist
Philonome
Philoo
Philopteridae
Philotria
Philoxenian
Philpot
Philps
Philydraceae
Philyra
Phina
Phineas
Phineus
Phio
Phiomia
Phiona
Phionna
Phip
Phoenicopterus
Phoeniculidae
Phoeniculus
Phoenix
Phoenix Islands
Phoenixlike
Phoenixville
Pholadacea
Pholadidae
Pholadinea
Pholasa
Pholcidae
Pholcus
Pholidota
Pholiota
Phoma
Phomopsis
Phomvihane
Phonelescope
Phonevision
Phonsa
Phora
Phoradendron
Phorcys
Phoridae
Phormium
Phoroneus
Phoronida
Phoronidea
Phoronis
Phororhacidae
Phororhacos
Phosphor
Phosphorus
Photima
Photina
Photinia
Photinian
Photinianism
Photius
Photobacterium
Photofit
Photon
Photoradiogram
Photostat
Photronic
Photronic cell
Phox
Phractamphibia
Phragmidium
Phragmites
Phragmocyttareas
Phrixus
Phronima
Phronimidae
Phryganea
Phryganeidae
Phrygia
Phrygian
Phrygian cap
Phrygian mode
Phrygian sibyl
Phrygianize
Phryma
Phrymaceae
Phryne
Phrynidae
Phrynosoma
Phthartolatraceae
Phthia
Phthirius
Phuket
Phuket Island
Phyciodes
Phycitidae
Phycochromophyceae
Phycodromidae
Phycomyces
Phycomycetes
Phye
Phyl
Phylactolaema
Phylactolaemata
Phylactolema
Phylactolemata
Phyleus
Phylis
Phyliss
Phyllachora
Phyllactinia
Phyllanthus
Phyllaeura
Phyllida
Phyllis
Phyllitis
Phyllium
Phyllocactus
Phyllocarida
Phylloceras
Phylloceratidae
Phyllocoele
Phyllophaga
Phyllopoidea
Phyllopteryx
Phylloscopus
Phyllosomata
Phyllospondyli
Phyllostachys
Phyllosticta
Phyllostoma
Phyllostomatidae
Phyllostomatinaceae
Phyllostomidae
Phyllostominae
Phyllostomus
Phylloxera
Phylloxeridae
Phyllys
Phylo
Phylonome
Phylum Chordata
Phyllys
Phymatidae
Phymatodes
Phymosia
Physa
Physalia
Physaliidae
Physalis
Physalospora
Physapoda
Physaria
Physcia
Physciaceae
Physcomitrium
Physeter
Physeteridae
Physeterinae
Physeteroidea
Physidae
Physik
Physocarpus
Physocliti
Physoderma
Physonectae
Physophorae
Physopoda
Physostegia
Physostigma
Physostomi
Phytalus
Phytelephas
Phyteus
Phytoflagellata
Phytolacca
Phytolaccaceae
Phytonastigma
Phytonastigoda
Phytonadidia
Phytonadina
Phytonadis
Phytophaga
Phytophagineae
Phytophthora
Phytophylidae
Phytophus
Phytosauria
Phytotoma
Phytotomidae
Phytotis
Phytosporia
Phytosporaria
Phyxius
Pi
Pia
Piacenza
Piaf
Piaget
Piane
Piankashaw
Pianokoto
Pianola
Piast
Piast
Piaua
Piaui
Piave
Piazzetta
Pica
Picabia
Picacho
Picae
Picard
Picardi
Picardy
Picardy third
Picariae
Picarri
Picasso
Picayune
Piccadilly
Piccadilly Circus
Piccard
Piccini
Picco
Piccolomini
Picea
Picene
Picenian
Pich
Picher
Pici
Picidae
Piciformes
Picinai
Picinni
Pick's disease
Pickar
Pickard
Pickelhaube
Pickens
Picker
Pickering
Pickerington
Pickett
Pickford
Pickman
Pickney
Pickrell
Pickstown
Pickton
Pickwick Papers, The
Pickwickian
Pickwickian sense
Pickwickianism
Pickwickianly
Picnickian
Pico Rivera
Pico de Aneto
Pico de Teide
Pico della Mirandola
Picodon de Dieulefit
Picorivera
Picramnia
Picris
Picrodendraceae
Picrodendron
Pict
Pictavi
Pictet
Pictish
Pictland
Pictones
Pictor
Pictores
Picture of Dorian Gray, The
Picturephone
Picumninae
Picumnus
Picunche
Picuris
Picus
Piderit
Pidgeon
Pidgin english
Pidyon ha-Ben
Pied Piper of Hamelin
Piedmont
Piedmontese
Piedra
Piefer
Piegan
Piegari
Pielus
Piemonte
Pier
Pierce
Pierce's disease
Piercefield
Pierceton
Pierceville
Piercy
Pierette
Pieria
Pierian
Pierian Spring
Pieridae
Pierides
Pieridinae
Pierinae
Pieris
Piermont
Piero
Piero Della Francesca
Piero di Cosimo
Pierpont
Pierre
Pierre Balmain
Pierre Cot
Pierre Creamer
Pierre Gemayel
Pierre Huguet
Pierre Larouche
Pierre Turgeon
Pierrepont
Pierrette
Pierro
Pierron
Pierrot
Piers
Piers Plowman
Pierson
Pierz
Piet
Pieta
Pietas
Pieter
Pietermaritzburg
Pietism
Pietist
Pietje
Pietown
Pietra
Pietrek
Pietro
Piffard
Pig Latin
Pig latin
Pigalle
Pigeon
Pigeon english
Pimenta
Pimento
Pimpinella
Pimpla
Pimplinae
Pinaceae
Pinacoceras
Pinacoceratidae
Pinacyanol
Pinafore
Pinal
Pinaleno
Pinales
Pinar del Ro
Pincas
Pinchas
Pinchot
Pincian
Pincince
Pinckard
Pinckney
Pinckney's Treaty
Pinckneya
Pinckneyville
Pinconning
Pinctada
Pincus
Pindall
Pindar
Pindari
Pindaric
Pindaric ode
Pindaric oded
Pindarically
Pindarism
Pindarist
Pindarize
Pindarus
Pindus
Pine
Pine Bluff
Pine Hill
Pine Lawn
Pinebank
Pinebluffs
Pinebrook
Pinebush
Pinecliffe
Pinecrest
Pineda
Pinedale
Pinehall
Pinehurst
Pineknot
Pinel
Pineland
Pinelli
Pineola
Pinero
Pines
Pinetops
Pinetown
Pinetta
Pinette
Pineview
Pineville
Pinewood
Pinewoods
Ping
Ping-Pong
Ping-Pong ball
Ping-pong
Pingre
Pingree
Pinguicula
Pinguiculaceae
Pini
Pink Floyd
Pinkerton
Pinkertonism
Pinkham
Pinkiang
Pinkster
Pinna
Pinnidae
Pinnigrada
Pinnipedia
Pinnotheres
Pinnotheridae
Pinochet
Pinola
Pinole
Pinon
Pinopolis
Pinot
Pinot Chardonnay
Pinot blanc
Pinot noir
Pinsk
Pinsky
Pinson
Pinta
Pinter
Pintersque
Pinto
Pinturicchio
Pinus
Pinxter
Pinz
Pinzler
Pinzon
Pioche
Pioneer
Pioneer Day
Pioneertown
Piotr
Piotr Jaroszewicz
Pioxe
Piozzi
Pip
Piper
Piperaceae
Piperales
Pipersville
Pipestem
Pipestone
Pipidae
Pipil
Pipile
Pipilo
Pipistrellus
Pippa
Pippa Passes
Pippapasses
Pippas
Pippo
Pippy
Pipra
Pipridae
Piprinae
Piptadenia
Piptomeris
Pipunculidae
Piqua
Piraeus
Pirali
Pirandello
Piranesi
Piranga
Pirate Coast
Pirates of Penzance
Pirbhai
Pire
Pirene
Piricularia
Pirithous
Pirnot
Piro
Pironi
Piroplasma
Pirous
Pirozzo
Pirri
Pirtleville
Piru
Pirzada
Pisa
Pisaca
Pisacha
Pisan
Pisan Cantos
Pisander
Pisanello
Pisano
Pisarik
Pisauridae
Piscataqua
Piscataway
Piscatelli
Pisces
Piscid
Piscidia
Piscis
Piscis Australis
Piscis Austrinus
Piscis Volans
Piseco
Pisek
Piselli
Pisgah
Pish
Pishpek
Pitt
Pitt Street Farmer
Pitta
Pittacus
Pittel
Pitheus
Pittidae
Pittism
Pittite
Pittman
Pittosporaceae
Pittosporum
Pitts
Pittsboro
Pittsburg
Pittsburg Landing
Pittsburgh
Pittsburgher
Pittsfield
Pittsford
Pittston
Pittstown
Pittsview
Pittsville
Pituitrin
Pitylus
Pityocamptes
Pityrogramma
Pitys
Pitzer
Piura
Pius
Pius I
Pius II
Pius III
Pius IV
Pius IX
Pius V
Pius VI
Pius VII
Pius VIII
Pius X
Pius XI
Pius XII
Piute
Piutes
Pivski
Piwowar
Planck
Planck constant
Planck radiation formula
Planck's constant
Planck's law
Planckian
Planctae
Planera
Planipennia
Plank
Plankinton
Plano
Planococcus
Planorbidae
Planorbis
Planosarcina
Plantae
Plantagenet
Plantaginaceae
Plantaginales
Plantago
Plantation
Plantation walking horse
Plante
Plante battery
Plantersville
Plantigrada
Plantin
Plantsville
Planuloidea
Plasmochin
Plasmodiophora
Plasmodiophoraceae
Plasmodiophorales
Plasmon
Plasmopara
Plassey
Plasticine
Plastidozoan
Plata
Plata Ri
Plataea
Plataean
Platalea
Plataleidae
Plataleinae
Platanaceae
Platanista
Platanistidae
Platanus
Platas
Plate
Plateau
Plateau's problem
Plath
Platina
Platine
Platinite
Plato
Plato-wise
Platoda
Platodes
Platon
Platonesque
Platonian
Platonic
Platonic body
Platonic form
Platonic idea
Platonic ideal
Platonic love
Platonic philosophy
Platonic realism
Platonic solid
Platonic year
Platonical
Platonically
Platonicalness
Platonician
Platonicism
Platonisation
Platonise
Platonised
Platoniser
Platonising
Platonism
Platonist
Platonistic
Platonization
Platonize
Platonizer
Platt
Plattdeutsch
Platte
Plattekill
Plattensee
Plattenville
Platter
Platteville
Platto
Plattsburg
Plattsburgh
Platsmouth
Platus
Platycaurus
Platycaury
Platycephalidae
Platycephalus
Platycecinus
Platycecus
Platyceurium
Platyctodon
Platyctenea
Platyhemia
Platyyhelminthes
Platypoda
Platyptera
Platyrrhina
Platyrrhini
Platyrrhina
Platyomidae
Platysomus
Platypteron
Platysternidae
Platystomidae
Plaucheville
Plauen
Plautine
Plautus
Player
Playfair
Pleas
Pleasant
Pleasant Grove
Pleasant Hill
Pleasant Hills
Pleasant Island
Pleasant Ridge
Pleasantdale
Pleasanton
Pleasants
Pleasantville
Pleasureville
Plecoptera
Plecotinae
Plecotus
Plectognathi
Plectospondyli
Pledge of Allegiance
Pledger
Plegadis
Pleiad
Pleiades
Pleiocene
Pleione
Pleistocene
Pleistocenic
Plenipotentiary
Plenty
Plentywood
Pleospora
Pleosporaceae
Pierre
Plesianthropus
Plesiosauri
Plesiosauria
Plesiosaurus
Plessis
Plethodon
Plethodontidae
Pleuracanthea
Pleuracanthidae
Pleuracanthini
Pleuracanthus
Pleurobrachia
Pleurobrachidae
Pleurocapsa
Pleurocapsaceae
Pleurocarpi
Pleurocera
Pleuroceridae
Pleurococcaceae
Pleurococcus
Pleurodelidae
Pleurodira
Pleuronectes
Pleuronectidae
Pleuronema
Pleuropterygii
Pleurosaurus
Pleurosigma
Pleurosteon
Pleurosticti
Pleurostigma
Pleurotoma
Pleurotomaria
Pleurotomariidae
Pleurotomidae
Pleurotremata
Pleurotus
Pleven
Plevna
Plexiglas
Plexiglass
Plexippus
Pliam
Plimsoll
Plimsoll line
Plimsoll mark
Plimsoll marks
Pliner
Plinian
Plinius
Pliny
Plinyism
Pliocene
Pliofilm
Pliohippus
Plion
Pliopithecus
Pliosauridae
Pliosaurus
Pliotron
Pliske
Plisthenes
Ploceidae
Ploceinae
Ploceus
Ploch
Ploesti
Ptoeti
Ploima
Plos
Ploss
Plossl
Plotinian
Plotinic
Plotinical
Plotinism
Plotinist
Plotinize
Plotinus
Plotkin
Plott hound
Plough
Plough and the Stars
Plouteneion
Plodiv
Plowrightia
Plpuszta
Pluchea
Pluckemin
Pluckerian
Plumatella
Plumatellidae
Plumbaginaceae
Plumbo
Plume
Plumerville
Plumiera
Plummer
Plumsteadville
Plumtree
Plumularia
Plumulariidae
Plumville
Plunkett
Plusch
Plusia
Plusiinae
Plutarch
Plutarch’s Lives
Plutarchian
Plutarchic
Plutarchical
Plutarchically
Plutella
Pluto
Plutonian
Plutonic
Plutonion
Plutonium
Platus
Pluvi
Pluvialis
Pluviose
Pluvius
Plymouth
Plymouth Brethren
Plymouth Colony
Plymouth Company
Plymouth Rock
Plymouth colony
Plymouthism
Plymouthist
Plymouthite
Plympton
Plynymmon
Ply
Plzen
Pm
Pneumatomachian
Pneumatomachist
Pneumatomachy
Pneumatria
Pneumobranchia
Pneumobranchiata
Pneumometer
Pnom Penh
Pnom-penh
Pnompenh
Po
Poa
Poaceae
Poale zion
Poale zionist
Poales
Poblacht
Poca
Pocahontas
Pocasset
Pocatello
Pocola
Pocono
Pocopson
Podalirriidae
Podalirius
Podarces
Podarge
Podargidae
Podarginae
Podargus
Podaxonia
Podes
Podgorica
Podgoritsa
Podgorny
Podiceps
Podicipedidae
Podocarpaceae
Podocarpinae
Podocarpus
Podolian
Podolsk
Podophrya
Podophryidae
Podophthalma
Podophthalmata
Podophthalmia
Podophyllaceae
Podophyllum
Podosomata
Podosphaera
Podostemaceae
Podostemon
Podostemonaceae
Podostomata
Podozamites
Podsnap
Podsnappery
Podunk
Podura
Poduridae
Podvin
Poe
Poeas
Poecile
Poeciliidae
Poecilocyttares
Poecilopoda
Poema del Cid
Poephaga
Poephagus
Poestenkill
Poetic Edda
Pofo
Pogany
Pogo
Pogonatum
Pogonia
Pogue
Pohai
Pohang
Pohjola
Poiana
Poictesme
Poincar
Poincare
Poinciana
Poine
Poinsettia
Point
Point Cook
Point Counter Point
Point Four
Pointe-Noire
Pointe-tre
Pointers
Pointillism
Poirer
Poiseuille's law
Poisson
Poisson distribution
Poisson ratio
Poisson's ratio
Poitiers
Poitou
Poitou-Charentes
Pokan
Pokanoket
Pokom
Pokomam
Pokomo
Pokonchi
Pokorny
Pol
Pol Pot
Pola
Polab
Polabian
Polabish
Polacca
Polack
Polad
Polak
Poland
Poland China
Poland china
Polander
Polanisia
Polanski
Polard
Polarid
Polaris
Polaris submarine
Polarograph
Polaroid
Polaroid Land camera
Polaroid glasses
Polash
Pole
Pole Star
Polemoniaceae
Polemoniales
Polemonium
Poler
Polesian
Polian
Polianthes
Poliard
Polias
Poliatas
Police Motu
Polichinelle
Polieus
Polik
Polinices
Poliński
Polish
Polish Corridor
Polish Power
Polish bank
Polish lynx
Polish sausage
Polish wheat
Polish-american
Polish-jew
Polish-made
Polish-speaking
Polistes
Politbureau
Politi
Politi
Politique
Polito
Poluchus
Polivy
Polk
Polkton
Polkville
Polky
Poll
Pollack
Pollaiolo
Pollaiuolo
Pollajuolo
Pollak
Pollard
Polled Durham
Polled Hereford
Polled Shorthorn
Pollen
Pollerd
Pollie
Pollitt
Polloch
Pollock
Pollocksville
Pollok
Pollux
Polly
Pollyanna
Pollyannaish
Pollyannaism
Pollyannish
Polo
Polonese
Polonia
Polonial
Polonian
Polonism
Polonianus
Polonization
Polonize
Polonized
Polonizing
Polonnaruwa
Polska
Polson
Poltava
Poltoratsk
Polvadera
Polyactinia
Polyadelphia
Polyandria
Polyangium
Polymelus
Polymixia
Polymixiidae
Polymnestor
Polynia
Polymorpha
Polymyaria
Polymyarii
Polymyodi
Polyneices
Polynemidae
Polynemus
Polynesia
Polynesian
Polynesian race
Polynices
Polynoe
Polynoidae
Polyodon
Polyodontidae
Polyot
Polypedates
Polypemon
Polypetalae
Polyphaga
Polypheme
Polyphemus
Polyphemus moth
Polyphides
Polypi
Polypifera
Polyplocophora
Polyplectron
Polypoda
Polypodiaceae
Polypodium
Polypomorpha
Polyporaceae
Polyporthis
Polyporous
Polyprotodontia
Polypteridae
Polypterus
Polysaccum
Polysiphonia
Polyspora
Polystichum
Polystictus
Polystomata
Polystomatidae
Polystomea
Polystomella
Polystomidae
Polythalamia
Polytrichaceae
Polytrichum
Polyxena
Polyxenus
Polyxo
Polyzoa
Pomaceae
Pomacentridae
Pomacentrus
Pomaderris
Pomak
Pomaria
Pomatomidae
Pomatomus
Pombal
Pomcroy
Pomerania
Pomeranian
Pomerene
Pomerol
Pomeroy
Pomeroyton
Pomfret
Pomfrey
Pommard
Pommel
Pommerm
Pomo
Pomona
Pomona glass
Pomorze
Pomos
Pompadour
Pompano Beach
Pompea
Pompei
Pompeia
Pompeian
Pompeian blue
Pompeian red
Pompeian yellow
Pompeii
Pompeiian
Pompey
Pompidou
Pompilidae
Pompilus
Pomptine
Pompton Lakes
Ponape
Ponca
Poncas
Ponce
Ponce de Leon
Ponce't's rheumatism
Ponchartrain
Ponchatoula
Poncirus
Pond
Ponderay
Ponderosa
Pondicherry
Pondo
Pondoland
Pondomisi
Ponemah
Ponera
Poneramoeba
Poneridae
Ponerinae
Poneto
Pongidae
Pongo
Ponselle
Ponsford
Ponta Delgada
Ponta Grossa
Pontac
Pontacq
Pontanus
Pontchartrain
Pontedelia
Pontederiaceae
Pontefract
Pontefract cake
Pontevedra
Pontiac
Pontian
Pontianak
Pontianus
Pontias
Pontic
Pontifical College
Pontifical Mass
Pontine
Pontine Marshes
Pontius
Pontius Pilate
Pontocaïne
Pontocaspian
Ponton
Pontone
Pontopidan
Pontormo
Pontos
Pontotoc
Pontus
Pontus Euxinus
Pontypool
Pontypridd
Pony League
Ponzo
Poock
Pooh
Pooh Bah
Pooh-Bah
Pooi
Pool
Pool Malebo
Poole
Pooler
Poolesville
Pooley
Poolville
Poona
Poop
Poopo
Poor Richard's Almanac
Poor Robin's plantain
Poore
Pop
Popayan
Pope
Popean
Popejoy
Popele
Poppelka
Popian
Popish
Popish Plot
Poplar Bluff
Poplarism
Poplarville
Poplilia
Popocatepetl
Popocatpetl
Popocracy
Popocrat
Popolari
Popoloco
Popov
Popovets
Poppaea Sabina
Poppas
Popper
Poppo
Poppy
Poppy Day
Popsicle
Popularist
Population Commission
Populism
Populist
Populist Party
Populistic
Populus
Poquonock
Poquoson
Porbandar
Porcellana
Porcellanidae
Porche
Porcia
Porcula
Poree
Porella
Porett
Porgy and Bess
Pori
Poria
Porifera
Poriferan
Porirua
Porites
Poritidae
Porkopolis
Porocephalus
Porokoto
Porphyra
Porphyraceae
Porphyrean
Porphyrian
Porphyrianist
Porphyrio
Porphyron
Porphyry
Porpita
Porrima
Porro prism
Porsena
Porsenna
Porson
Port
Port Adelaide
Port Allen
Port Angeles
Port Arthur
Port Blair
Port Carbon
Port Charlotte
Port Chester
Port Clinton
Port Elizabeth
Port Gentil
Port Gibson
Port Harcourt
Port Hudson
Port Huron
Port Isabel
Port Jackson
Port Jervis
Port Louis
Port Lyautey
Port Moresby
Port Neches
Port Orchard
Port Orford cedar
Port Phillip Bay
Port Royal
Port Said
Port Sudan
Port Talbot
Port Townsend
Port Vue
Port Washington
Port Wentworth
Port du Salut
Port of Spain
Port royal
Port-Gentil
Port-Salut
Port-au-Prince
Port-of-Spain
Port-royalist
Porta
Portadown
Portage
Portageville
Porte
Porteno
Porter
Porteranthus
Porterville
Portervillios
Porthezia
Portheus
Portia
Portie
Portile de Fier
Portinari
Portingale
Portland
Portland cement
Portland fancy
Portlandian
Portlaoise
Porto
Porto Novo
Porto Rican
Porto Rico
Porto rican
Porto rico
Portobello
Portor
Portrait of a Lady, The
Portsmouth
Portugal
Portugal crakeberry
Portugalism
Portugee
Portuguese
Portuguese East Africa
Portuguese Guinea
Portuguese India
Portuguese Timor
Portuguese West Africa
Portuguese cherry laurel
Portuguese cypress
Portuguese man-of-war
Portulaca
Portulacaceae
Portulacaria
Portumnus
Portuna
Portunalia
Portunidae
Portunus
Portwin
Portwine
Porty
Porum
Porush
Porzana
Pos
Posadas
Posehn
Poseidon
Poseidonian
Posen
Poseyville
Posidonius
Poskin
Posnanian
Posner
Possing
Post
Post Office
Post Office Department
Post Office and Civil Service
Post-Communion
Post-Impressionism
Post-adamic
Post-advent
Post-alexandrine
Post-apostolic
Post-apostolical
Post-aristotelian
Post-armistice
Post-augustan
Post-augustinian
Post-azilian
Post-aztec
Post-babylonian
Post-basket-maker
Post-biblical
Post-cambrian
Post-carboniferous
Post-carolingian
Post-cartesian
Post-christian
Post-christmas
Post-columbian
Post-confucian
Post-conquest
Post-constantinian
Post-copernican
Post-cretaceous
Post-crusade
Post-darwinian
Post-davidic
Post-devonian
Post-diocletian
Post-disruption
Post-easter
Post-elizabethan
Post-eocene
Post-galilean
Post-gothic
Post-hittite
Post-homeric
Post-huronian
Post-ibsen
Post-incarnation
Post-johnsonian
Post-jurassic
Post-justian
Post-jutland
Post-kansan
Post-kantian
Post-lafayette
Post-leibnitzian
Post-lent
Post-marxian
Post-medieval
Post-mendelian
Post-mesozoic
Post-miocene
Post-mishnaic
Post-mishnic
Post-mosaic
Post-mycenean
Post-napoleonic
Post-newtonian
Post-nicene
Post-oligocene
Post-ordovician
Post-paleolithic
Post-paleozoic
Post-pauline
Post-pentecostal
Post-permian
Post-petrine
Post-phidian
Post-platonic
Post-pleistocene
Post-pliocene
Post-prophetic
Post-pythagorean
Post-raphaelite
Post-reformation
Post-renaissance
Post-restoration
Post-roman
Post-romantic
Post-scholastic
Post-shakespearean
Post-silurian
Post-socratic
Post-solomonic
Post-syrian
Post-talmudical
Post-tertiary
Post-theodosian
Post-triassic
Post-tridentine
Post-vedic
Post-victorian
Post-volstead
Postcommunion
Postelle
Postman
Poston
Postverta
Postville
Postvorta
Potamobiidae
Potamochoerus
Potamogale
Potamogalidae
Potamogeton
Potamogetonaceae
Potamonidae
Potash
Potawatami
Potawatomi
Potawatomis
Poteau
Potecasi
Poteet
Potemkin
Potemkin village
Potentilla
Poterium
Poth
Pothos
Polidaea
Potiguara
Potiphhar
Potomac
Potomac long boat
Potoroinae
Potorous
Potos
Potosi
Potrero
Potsdam
Pott's disease
Pott's fracture
Potter
Potteries
Pottersville
Potterville
Pottiaceae
Potts
Pottsboro
Pottstown
Pottsville
Potwin
Potyomkin
Poucher
Poughkeepsie
Poughquag
Pouilly
Pouilly-Fuisse
Pouilly-Fume
Poul
Poul Hacling
Poul Schlouter
Poulan
Poulenc
Pouligny-St
Poulsbo
Poulsen arc
Poulter
Poultney
Pouncey
Pound
Pournaras
Poussin
Poussinisme
Povindah
Povl Bang Jensen
Poway
Powder
Powderhorn
Powderly
Powe
Powel
Powell
Powellsville
Powellton
Powellville
Power
Power and the Glory, The
Powers
Powersite
Powersville
Powhatan
Powhattan
Pownal
Pownall
Powys
Poyang
Poyen
Poynette
Pynor
Poyntelle
Poynting
Poynting
Poyssippi
Poyssick
Pozna
Prattshollow
Prattsville
Prattville
Pratyeka
Pravda
Pravit
Praxean
Praxeanist
Praxitelean
Praxiteles
Praxithea
Prayer of Manasses
Prayers at Foot of the Altar
Pre irish
Pre-Cambrian
Pre-Chellean
Pre-Raphaelite
Pre-Raphaelitism
Preacher
Preakness Stakes
Preble
Prebo
Precambrian
Preciosa
Precipitron
Precision Club
Precursor society
Predentata
Preface
Pregl
Pregwood
Preiser
Prekantian
Prelude, The
Preludin
Prem
Prem Singh Gyani
Premer
Preminger
Premium Savings Bonds
Premongolian
Premonstrant
Premonstratensian
Premont
Pren
Prenanthes
Prendergast
Prent
Prenter
Prentice
Prentiss
Pres
Presb
Presber
Presbyt
Presbyterian
Presbyterian alliance
Presbyterianism
Presbyterianize
Presbyterianly
Presbytinae
Presbytis
Prescott
Presho
President of the Board of Trade
Presidio
Presley
Presque Isle
Press
Pressburg
Pressey
Pressman
Prester John
Prestige
Preston
Prestonpans
Prestonsburg
Prestwich
Prestwick
Pretenderism
Pretoria
Pretorius
Pretrice
Preuss
Preussen
Previdi
Previn
Prevost
Prevot
Prew
Prewett
Prewitt
Pri
Priacanthidae
Priacanthus
Priam
Priapean
Priapic
Priapulacea
Priapulida
Priapulidae
Priapuloidea
Priapus
Priapulus
Priapusian
Pribilof Islands
Price
Price Commission
Pricedale
Prichard
Pricilla
Priddy
Pride
Pride and Prejudice
Pride's Purge
Priebe
Priest
Priestley
Prima
Prima Ballerina, The
Primalia
Primate of All England
Primate of England
Primates
Primavera
Primaveras
Primavera
Prime Minister
Prime Mover
Pringhar
Primianist
Primitive Fathers
Primitive Friends
Primitive Methodism
Primitive Methodist
Primo
Primo de Rivera
Primrosa
Primrose
Primula
Primula
Primulaceae
Primula
Primulinus
Primulinus hybrid
Primus
Primus stove
Prince
Prince Albert
Prince Albert National Park
Prince Albert coat
Prince Edward Island
Prince Fahd
Prince Regent
Prince Rupert
Prince Rupert's metal
Prince and the Pauper, The
Prince d'Essling
Prince of Darkness
Prince of Peace
Prince of Wales
Prince of Wales Island
Prince of Wales's feathers
Prince's Island
Prince's metal
Prince, The
Princeceite
Princess
Princeton
Princeville
Princewick
Principe
Principes
Principia
Principle
Prineville
Pringle
Prinsburg
Printer
Prinz
Priotodon
Priodontes
Prionidae
Prioninae
Prionodesmacea
Prionodon
Prionopinae
Prionops
Prionus
Prior
Priorato
Priset
Pripet
Pripet Marshes
Pripyat
Pris
Prisca
Priscella
Priscian
Priscianist
Priscilla
Priscilla rocker
Priscillian
Priscillianism
Priscillianist
Prisilla
Prissie
Prissy
Pristipomatidae
Pristipomidae
Pristis
Pristodus
Pritchard
Pritchardia
Pritchett
Prithivi
Privatdocent
Privatdozent
Private A
Private F
Private Member
Privy Council
Prix
Prix Goncourt
Pro-abyssinian
Pro-african
Pro-alabaman
Pro-alaskan
Pro-albanian
Pro-albetan
Pro-algerian
Pro-allied
Pro-ally
Pro-alpine
Pro-alsatian
Pro-american
Pro-americanism
Pro-anatolian
Pro-anglican
Pro-annamese
Pro-arab
Pro-arabian
Pro-arabic
Pro-argentina
Pro-argentininian
Pro-arian
Pro-aristotelian
Pro-armenian
Pro-arminian
Pro-asian
Pro-asiatic
Pro-athanasian
Pro-athenian
Pro-atlantic
Pro-australian
Pro-austrian
Pro-azorian
Pro-baconian
Pro-bahamian
Pro-balkan
Pro-baptist
Pro-bavarian
Pro-belgian
Pro-berlin
Pro-berlinian
Pro-bermudian
Pro-biblic
Pro-biblical
Pro-boer
Pro-boerism
Pro-bohemian
Pro-bolivian
Pro-bolshevik
Pro-bolshevism
Pro-bolshevist
Pro-bonapartean
Pro-bonapartist
Pro-bosnian
Pro-bostonian
Pro-brahman
Pro-brazilian
Pro-british
Pro-britisher
Pro-britishism
Pro-briton
Pro-bryan
Pro-buddhist
Pro-buddhistic
Pro-bulgarian
Pro-burman
Pro-byronic
Pro-byzantine
Pro-caesar
Pro-caesarian
Pro-caledonian
Pro-californian
Pro-calvinism
Pro-calvinist
Pro-calvinistic
Pro-calvinistically
Pro-canadian
Pro-cantabrigian
Pro-cantonese
Pro-caribbean
Pro-carlylean
Pro-carolinian
Pro-castilian
Pro-catalonian
Pro-cathedralist
Pro-catholic
Pro-catholicism
Pro-caucasian
Pro-celtic
Pro-chicagoan
Pro-chilean
Pro-chinese
Pro-colombian
Pro-colonial
Pro-confederate
Pro-confucian
Pro-congressional
Pro-continental
Pro-corsican
Pro-costa rican
Pro-cretan
Pro-croatian
Pro-cuban
Pro-cymric
Pro-cyprian
Pro-czech
Pro-dalmation
Pro-danish
Pro-darwinian
Pro-darwinism
Pro-dominican
Pro-dominion
Pro-dreyfusard
Pro-dutch
Pro-ecuadorean
Pro-egyptian
Pro-emersonian
Pro-emersonianism
Pro-english
Pro-entente
Pro-episcopal
Pro-eskimo
Pro-esperantist
Pro-esperanto
Pro-estonian
Pro-ethiopian
Pro-euclidean
Pro-eurasian
Pro-european
Pro-evangelical
Pro-fascism
Pro-fascist
Pro-fascisti
Pro-finnish
Pro-flemish
Pro-florentine
Pro-floridian
Pro-france
Pro-french
Pro-freudian
Pro-friesian
Pro-friesic
Pro-gaelic
Pro-genoan
Pro-gentile
Pro-german
Pro-germanism
Pro-gothic
Pro-grecian
Pro-guatemalan
Pro-guianan
Pro-guianese
Pro-guinean
Pro-haitian
Pro-hanoverian
Pro-hapsburg
Pro-hawaiian
Pro-hellenic
Pro-hindu
Pro-hitler
Pro-hitlerism
Pro-hitlerite
Pro-hohenstaufen
Pro-hohenzollern
Pro-bonduran
Pro-hungarian
Pro-icelandic
Pro-indian
Pro-iranian
Pro-irish
Pro-irishism
Pro-italian
Pro-jacobean
Pro-japanese
Pro-japanism
Pro-javan
Pro-javanese
Pro-jeffersonian
Pro-jewish
Pro-judaic
Pro-judaism
Pro-kansan
Pro-korean
Pro-lamarckian
Pro-latinism
Pro-latvian
Pro-league
Pro-leaguer
Pro-lettish
Pro-liberian
Pro-lithuanian
Pro-lutheran
Pro-macedonian
Pro-magyar
Pro-maltese
Pro-malthusian
Pro-manchukuoan
Pro-manchurian
Pro-masonic
Pro-mediterranean
Pro-methodist
Pro-mexican
Pro-mohammedan
Pro-mongolian
Pro-mormon
Pro-moroccan
Pro-moslem
Pro-neapolitan
Pro-netherlandian
Pro-nicaraguan
Pro-nordic
Pro-norman
Pro-norwegian
Pro-oriental
Pro-panamanian
Pro-paraguayan
Pro-persian
Pro-peruvian
Pro-philippine
Pro-polish
Pro-polynesian
Pro-portuguese
Pro-presbyterian
Pro-protestant
Pro-prussian
Pro-quaker
Pro-renaissance
Pro-roman
Pro-rumanian
Pro-russian
Pro-salvadoran
Pro-samoan
Pro-sardinian
Pro-scandinavian
Pro-scriptural
Pro-semite
Pro-semitism
Pro-serb
Pro-serbian
Pro-shakespearian
Pro-siamese
Pro-sicilian
Pro-slav
Pro-slavic
Pro-slavonic
Pro-southern
Pro-soviet
Pro-spanish
Pro-spartan
Pro-sudanese
Pro-sumatran
Pro-swedish
Pro-swiss
Pro-syrian
Pro-tasmanian
Pro-teuton
Pro-teutonic
Pro-teutonism
Pro-tripolitan
Pro-tunisian
Pro-turk
Pro-turkish
Pro-tyrolean
Pro-ukrainian
Pro-ulsterite
Pro-unitarian
Pro-uruguayan
Pro-venetian
Pro-venezuelan
Pro-virginian
Pro-welsh
Pro-western
Pro-whig
Pro-yankee
Pro-zionism
Pro-zionist
Pro-arthritis
Proavis
Probe-bibel
Prober
Proberta
Proboscidea
Probosciger
Procavia
Procaviidae
Procellaria
Procellariidae
Procellariiformes
Procellarum
Prochora
Prochoras
Procious
Proclus
Proclue
Procoelia
Proconnian
Procopitius
Procora
Procris
Procruitean
Procruitean bed
Procruitean law
Procruiteanism
Procruiteanize
Procrustes
Procrustes
Procrustes
Procto
Proctor
Proctorsville
Proctorville
Proctotrypidae
Proctotrypoidea
Proculian
Procyon
Procyonidae
Procyoniformia
Procyoninae
Prodenia
Prodromia
Productidae
Production-Control Quantometer
Productus
Proetidae
Proetus
Prof
Profant
Proffitt
Profilometer
Prog
Proganosauria
Progreso
Progressive
Progressive Conservative Party
Progressive Party
Progymnasmum
Prohibition
Prohibition Era
Prohibition Party
Prohibition party
Project Mercury
Prokofieff
Prokofiev
Prokopyevsk
Prole
Promachorma
Promachus
Promammalia
Prome
Promessi
Promethea
Promethean
Prometheus
Prometheus Bound
Prometheus Unbound
Promin
Promised Land
Prompton
Pronaus
Pronoea
Prontosil
Pronty
Pronuba
Propaganda
Proparia
Propertius
Prophet
Prophetico-messianic
Prophets
Prophets, the
Prophetstown
Propionibacterieae
Propionibacterium
Propithecus
Propiopithecus
Propontic
Propontis
Propus
Proreptilia
Prothipidoglossomorpha
Prorsa
Pros
Prosarthri
Prosclystius
Prose Edda
Prosek
Proserpina
Proserpinaca
Proserpine
Prosimiae
Prosobranchia
Prosobranchiata
Prosopis
Prosopium
Prospect Park
Prosper
Prosper Avril
Prosperity
Prospero
Prosperus
Prosser
Prostigmin
Prot
Protagoras
Protagorean
Protagoreanism
Protargol
Protea
Proteaceae
Protection
Protograph
Protector
Proteida
Proteidae
Proteles
Protelidae
Protelytroptera
Protetem
Proteosauridae
Proteosaurus
Proteosoma
Protephemeroidea
Proteroglypha
Proterozoic
Protesilaus
Protestant
Protestant Christianity
Protestant Episcopal
Protestant Episcopal Church
Protestant ethic
Protestantish
Protestantishly
Protestantism
Protestantize
Protestantlike
Protestantly
Proteus
Prothoenor
Protista
Protium
Protivin
Proto-Germanic
Proto-Indo-European
Proto-Italic
Proto-Norse
Proto-apostolic
Proto-arabic
Proto-armenian
Proto-aryan
Proto-attic
Proto-australian
Proto-australoid
Proto-babylonian
Proto-berber
Proto-caucasian
Proto-celtic
Proto-chaldaic
Proto-corinthian
Proto-doric
Proto-egyptian
Proto-elastic
Proto-etruscan
Proto-european
Proto-geometric
Proto-germanic
Proto-gothonic
Proto-greek
Proto-hattic
Proto-hellenic
Proto-hittite
Proto-indic
Proto-ionic
Proto-khattish
Proto-malay
Proto-malayan
Proto-mark
Proto-matthew
Proto-mede
Proto-mongol
Proto-mycenean
Proto-phoenician
Proto-polynesian
Proto-renaissance
Proto-semitic
Proto-solutrean
Proto-teutonic
Protoascales
Protoascomycetes
Protobasidii
Protobasidiomycetes
Protoblattoidea
Protobranchia
Protobranchiata
Protocaris
Protoceras
Protoceratidae
Protoceratops
Protochorda
Protochordata
Protococcaceae
Protococcales
Protococcus
Protocoleoptera
Protodonata
Protodonta
Protogenea
Protogenia
Protogeometric
Protohemiptera
Protohippus
Protohydra
Protohymenoptera
Protomastigida
Protominobacter
Protomonadina
Protomyxcales
Proton
Protinemertini
Protoperalia
Protophyta
Protopteridae
Protopterus
Protorohippus
Protorosauria
Protorosauridae
Protorosaurus
Protorthoptera
Protoselachii
Protosemetic
Protosiphon
Protosiphonaceae
Protosphargis
Protospondyli
Protostega
Protostegidae
Prototheria
Prototraceata
Protozoa
Protarachita
Protremata
Protura
Protylolus
Proud
Proudfoot
Proudhon
Proudlove
Proudman
Pruss
Prussia
Prussian
Prussian blue
Prussian red
Prussianism
Prussianization
Prussianize
Prussianizer
Prussification
Prussify
Prut
Pruter
Pruth
Prvert
Prvost d'Exiles
Pry
Pryce
Prylis
Pynne
Pyor
Pyor Creek
Pryse
Prytanis
Przemy
Przewalski's horse
Przewalsky's horse
Przywara
Ps
Psa
Psalm Book
Psalms
Psalms, the
Psalter
Psamathe
Psammocharidae
Psammophis
Psamthik I
Psaronius
Psedera
Pselaphidae
Pselaphus
Psephurus
Psetta
Pseudechis
Pseudepigrapha
Pseudo american
Pseudo buddhism
Pseudo christ
Pseudo christian
Pseudo christianity
Pseudo christology
Pseudo-african
Pseudo-angle
Pseudo-areopagite
Pseudo-argentian
Pseudo-aryan
Pseudo-australian
Pseudo-austrian
Pseudo-babylonian
Pseudo-baptist
Pseudo-belgian
Pseudo-bohemian
Pseudo-brahman
Pseudo-brazilian
Pseudo-buddhist
Pseudo-bulgarian
Pseudo-callisthenes
Pseudo-canadian
Pseudo-chilean
Pseudo-chinese
Pseudo-ciceronian
Pseudo-clementine
Pseudo-dantesque
Pseudo-dionysius
Pseudo-dutch
Pseudo-east indian
Pseudo-elizabethan
Pseudo-english
Pseudo-european
Pseudo-french
Pseudo-georgian
Pseudo-german
Pseudo-gothic
Pseudo-grecian
Pseudo-greek
Pseudo-hindu
Pseudo-hittite
Pseudo-homeric
Pseudo-hungarian
Pseudo-incan
Pseudo-indian
Pseudo-iranian
Pseudo-irish
Pseudo-isidore
Pseudo-isidorian
Pseudo-italian
Pseudo-japanese
Pseudo-junker
Pseudo-mayan
Pseudo-messiah
Pseudo-messianic
Pseudo-methodist
Pseudo-mexican
Pseudo-miltonic
Pseudo-mohammedan
Pseudo-mongolian
Pseudo-moslem
Pseudo-norwegian
Pseudo-oriental
Pseudo-panamanian
Pseudo-persian
Pseudo-pindaric
Pseudo-polish
Pseudo-presbyterian
Pseudo-republican
Pseudo-roman
Pseudo-russian
Pseudo-semitic
Pseudo-serbian
Pseudo-shakespearian
Pseudo-socratic
Pseudo-south african
Pseudo-spanish
Pseudo-swedish
Pseudo-turk
Pseudo-turkish
Pseudo-vergilian
Pseudo-victorian
Pseudobranchus
Pseudoceratites
Pseudococcinae
Pseudococcus
Pseudogryphus
Pseudolamellibranchia
Pseudolamellibranchiata
Pseudolarix
Pseudomonas
Pseudoneuroptera
Pseudopeziza
Pseudophoenix
Pseudoscarus
Pseudoscines
Pseudoscorpiones
Pseudoscorpionida
Pseudosuchia
Pseudotetramera
Pseudotrimera
Pseudotsuga
Pshav
Psidium
Psiloceras
Psilocratidae
Psilophytales
Psilophyton
Psiloriti
Psilotaceae
Psilotum
Psithyrus
Psittaci
Psittacidae
Psittaciformes
Psittacinae
Psittacomorphae
Psittacus
Pskov
Psocidae
Psoralea
Psorophora
Psoroptes
Psyche
Psyche knot
Psychean
Psychiatry
Psychichthys
Psychidae
Psychoda
Psychodidae
Psychol
Psychopompus
Psychotria
Psychozoic
Psylla
Psyllidae
Pt
Pta
Ptah
Ptain
Ptarmica
Ptas
Pte
Ptelea
Ptenoglossa
Pteranodon
Pteranodontidae
Pteraspidae
Pteraspis
Pterelaus
Pterian
Pterichthyodes
Pterichthys
Pteridophyta
Pteridospermae
Pteridospermaphyta
Pteris
Pterobranchia
Pterocarpus
Pterocarya
Pterocaulon
Pterocera
Pteroceras
Pterocles
Pterocletes
Pteroelidae
Pterocelomorphae
Pterodactyli
Pterodactylidae
Pterodactylus
Pteromalidae
Pteromys
Pterophoridae
Pterophorus
Pterophyne
Pteropidae
Pteropoda
Pteropodidae
Pteropsida
Pteropus
Pterosauri
Pterosauria
Pterospora
Pterostemon
Pterostemonaceae
Pterygogenea
Pterygota
Pterygotus
Ptilichthyidae
Ptiliidae
Ptilimnium
Ptilocercus
Punjab
Punjab States
Punjabi
Punke
Puno
Punt
Punta
Punta Arenas
Punta Gorda
Puntan
Puntarenas
Puntlatsh
Punxsutawney
Pupidae
Pupillidae
Pupin
Pupipara
Pupivora
Puposky
Puppis
Pupuluca
Puquina
Puquianan
Pur
Purana
Puranic
Purasati
Purbach
Purbeck
Purbeck marble
Purbeckian
Purcell
Purcell Mountains
Purcellville
Purchas
Purdin
Purdon
Purdue
Purdum
Purdy
Purdys
Pure Land
Pure Land Sutras
Pure Land sects
Purgatorio
Purgitsville
Puri
Purification of the Virgin Mary
Putney
Puto
Putorius
Putredinis
Putsch
Putscher
Puttergill
Putumayo
Puunene
Puvis de Chavannes
Puxico
Puy de D
Puy de Sancy
Puya
Puyallup
Pvid's deer
Pvt
Pw Botha
Py
Pyanepsia
Pyatigorsk
Pyatt
Pycnanthemum
Pycnocoma
Pycnodonti
Pycnodontidae
Pycnodus
Pycnogonida
Pycnonotidae
Pycnonotinae
Pycnonotus
Pydna
Pygidiidae
Pygidium
Pygmalion
Pygmies
Pygmoid race
Pygmy
Pygobranchia
Pygobranchiata
Pygopodes
Pygopodidae
Pygopus
Pyhrric
Pylades
Pylades and Orestes
Pylaemenes
Pylaeus
Pyrocystis
Pyrodine
Pyrola
Pyrolaceae
Pyromorphidae
Pyronema
Pyronia
Pyrosoma
Pyrosomatidae
Pyrosomidae
Pyrotheria
Pyrotherium
Pyrrha
Pyrrhic
Pyrrhic victory
Pyrrho
Pyrrhocoridae
Pyrrhonean
Pyrrhonian
Pyrrhonic
Pyrrhonism
Pyrrhonist
Pyrrhonistic
Pyrrhonize
Pyrrhuloxia
Pyrrhus
Pyrla
Pyrularia
Pyrus
Pyszka
Pythagoras
Pythagoras' theorem
Pythagorean
Pythagorean scale
Pythagorean theorem
Pythagoreanism
Pythagoreanize
Pythagoreanly
Pythagoric
Pythagorical
Pythagorically
Pythagorism
Pythagorist
Pythagorize
Pythagorizer
Pytheas
Pythia
Pythiaceae
Pythiacystis
Pythiad
Pythiambic
Pythian
Pythian Games
Pythian oracle
Pythias
Pythic
Pythios
Pythium
Pythius
Pytho
Python
Pythonidae
Pythoninae
Pythonissa
Pythonomorphpha
Pythik
Pyxidanthera
Pyxidis
Pyxis
Pyxis Nautica
PP
Pp
Q
Q clearance
Q factor
Q fever
Q gauge
Q signal
Q value
Q wedge
Q's
Q-Celtic
Q-celt
Q-celtice
Q-factor
Q-fever
Q-group
Q-language
Q-shaped
Q-ship
Q-wedge compensation
QA
QAM
QARANC
QAS
QB
Quakerishness
Quakerism
Quakerization
Quakerize
Quakerlet
Quakerlike
Quakerly
Quakership
Quakerstreet
Quakertown
Quakery
Quamasia
Quamoclit
Quanah
Quant
Quantico
Quantrill
Quantz
Quapaw
Quar
Quarryville
Quarta
Quartana
Quartas
Quartet
Quartis
Quartodeciman
Quartus
Quartzsite
Quashee
Quashi
Quasi american
Quasi english
Quasi englishman
Quasi french
Quasi german
Quasi greek
Quasi indian
Quasi japanese
Quasi jew
Quasi latin
Quasi spaniard
Quasi spanish
Quasi-jacobean
Quasi-jewish
Quasimodo
Quasqueton
Quassia
Quaternary
Quathlamba
Quatre Bras
Quatsino
Quebecois
Que
Quebec
Quebecer
Quebeck
Quebecker
Quebecois
Quebradillas
Quechee
Quechua
Quechuan
Quechuas
Queen
Queen Anne
Queen Anne's Bounty
Queen Anne's War
Queen Anne's lace
Queen Beatrix
Queen Charlotte Islands
Queen Elizabeth Islands
Queen Mab
Queen Maud Land
Queen Maud Range
Queen and huntress
Queen of Angels
Queen of Heaven
Queen of Spades, The
Queen's Bench
Queen's Bench Division
Queen's Birthday
Queen's Bounty
Queen's Champion
Queen's Colour
Queen's Counsel
Queen's County
Queen's Guide
Queen's Proctor
Queen's Regulations
Queen's Remembrancer
Queen's Scout
Queen's counsel
Queen's highway
Queen's pattern
Queen's proctor
Queen's speech
Queen's-flower
Queen-Anne
Queena
Queenanne
Queenborough in Sheppey
Queenie
Queens
Queensberry rules
Queensland
Queensland lungfish
Queensland nut
Queenstown
Queer Street
Quelea
Quelimane
Quelpart
Quemado
Quemoy
Quenby
Queneau
Quenemo
Quenna
Quennie
Quent
Quentin
Quenton
Quercia
Querciflorae
Quercus
Querecho
Querendi
Querendy
Queres
Queretaro
Queri
Querida
Queridas
Quernales
Quertaro
Quesnay
Quesnel
Questa
Queston
Quetta
Quetzalcoatl
Quezaltenango
Quezon
Quezon City
Quezon y Molina
Qui Nhong
Quiangan
Quibdo
Quiberon
Quiche
Quichua
Quick
Quickel
Quickman
Quicksburg
Quidae
Quidde
Quiddist
Quigley
Quiña
Quinaceae
Quilcene
Quileute
Quill
Quillagua
Quillaja
Quillan
Quillon
Quilmes
Quimbaya
Quimby
Quimper
Quin
Quinaelt
Quinault
Quinby
Quince
Quincey
Quincy
Quinbaug
Quinlan
Quinn
Quinnsec
Quinnimont
Quinnipiak
Quinquagesima
Quinquagesima Sunday
Quinquagesimal
Quinqua tria
Quinquatrus
Quinque
Qur'an
Quran
Qurti
Quthb
Qy
R
R & B
R & D
R and D
R and D establishment
R and D worker
R and R
R star
R&D
R's
R-shaped
R/D
RA
RAAF
RAC
RACE
RACEP
RAD
RADA
RADAR
RADIO
RADM
RAEC
RAF
RAFVR
RAID
RAM
RAMC
RAMP
RAN
RAND
RAO
RAOC
RAR
RARDE
RARE
RARP
RAS
RASC
RATFOR
RATO
RAVC
RAdm
RB
RB-
RBC
RBE
RBHC
RBI
RBOC
RBOR
RBT
RBTL
RC
RC oscillator
RCA
RCAF
RCAS
RCB
RCC
RCCh
RCF
RCH
RCI
RCL
RCLDN
RCM
RCMAC
RCMP
RCN
RCO
RCP
RCS
RCSC
RCT
RCU
RCVR
RCVS
RD
RDA
RDBMS
RDC
RDES
RDF
RDF station
RDL
RDM
RDP
RDS
RDT
RDTE
RDX
RE
REA
REC
RECON
REGIS
REM
REM sleep
REME
REMOBS
REN
REO
REQSPEC
RETMA
REX
REXX
RF
RF amplification
RF amplifier
RF echoes
RF pulse
RF signal
RF stage
RFA
RFC
RFD
RFE
RFI
RFP
RFQ
RFS
RFT
RGB
RGBI
RGP
RGS
RGU
RH
RHA
RHC
RHG
RHS
RHV
RI
RIACS
RIAS
RIBA
RIC

Open Source Used In CSPC_Collector 2.9.1 18590
RSE
RSFSR
RSGB
RSH
RSJ
RSL
RSLE
RSLM
RSM
RSN
RSPB
RSPCA
RSR
RSS
RSTS
RSTSE
RSU
RSV
RSVP
RSWC
RT
RT transmitter
RTA
RTAC
RTC
RTF
RTFM
RTG
RTL
RTLS
RTM
RTMP
RTR
RTS
RTSE
RTSL
RTT
RTTY
RTU
RU
RUC
RUM
RV
RVSVP
RW
RWA
RWC
RWE
Rafael Caldera
Rafael Del Pino Diaz
Rafael Eytan
Rafael Quintero
Rafaela
Rafaelia
Rafaelita
Rafaella Reggi
Rafaelle
Rafaelle
Rafaello
Rafaelof
Rafat
Rafe
Rafel Bonnelly
Rafer
Raff
Raffaelesque
Raffaello
Raffarty
Rafferty
Raffin
Raffles
Rafflesia
Rafflesiacae
Raffo
Rafi
Rafiq
Raft of the Medusa, The
Rafter
Ragan
Ragen
Ragg
Raglan
Ragland
Ragley
Ragnar
Ragnaror Ragnarok
Rago
Ragouzis
Ragsdale
Ragucci
Ragusa
Rahab
Rahal
Rahanwin
Rahel
Rahm
Rahman
Rahmann
Rahmatour
Rahr
Rahu
Rahway
Rai
Raia
Raiae
Raif Dizdarevic
Raiford
Raiddae
Raila
Railroad Retirement Board
Raimannia
Raimes
Raimo Summanen
Raimondi
Raimondo
Raimund
Raimundo
Raina
Rainah
Rainbow Bridge
Rainbow, The
Rainbows
Raine
Rainelle
Rainer
Raines
Rainger
Rainie
Rainier
Rainier III
Rains
Rainsville
Rainwater
Rais
Raisa Gorbachev
Raisa Grobachev
Raj
Raja
Raja Aznam
Rajab
Rajah
Rajasthan
Rajasthani
Rajendra
Ramazan
Rambam
Ramberg
Rambert
Rambo
Rambort
Rambouillet
Rambow
Ramburt
Rame
Ramean
Rameau
Ramee
Ramer
Rameses
Rameseum
Ramesse
Ramesses
Ramessid
Ramesside
Ramey
Ramiah
Ramiillie
Ramiillied
Ramililies
Ramin
Ramiro Benavides
Ramism
Ramist
Ramist consonant
Ramist logic
Ramistic logic
Ramistical
Ramman
Rammohun
Rammnenses
Ramnes
Ramo
Ramon
Ramon Beteta
Ramon Mirabal Carrion
Ramon Salcido
Ramona
Ramonda
Ramoosii
Ramos
Ramphastidae
Ramphastides
Ramphastos
Rampur
Ramsay
Ramsdell
Ramsden
Ramsden eyepiece
Ramses
Ramses I
Ramses II
Ramses III
Ramsour
Ramsey
Ramsgate
Ramstein
Ramunni
Ramusi
Ramwat
Ran
Rana
Ranales
Ranatra
Ranburne
Rancagua
Rance
Rancell
Ranchester
Ranchi
Rancho Cordova
Rancho Seco
Ranchod
Rancocas
Rand
Rand, The
Randa
Randal
Randalia
Randall
Randallite
Randallstown
Randee
Randel
Randell
Randene
Randers
Randi
Randia
Randic
Randite
Rathausen
Rathbone
Rathdrum
Rathenau
Rather
Rathke's pocket
Rathke's pouch
Ratib
Ratisbon
Ratitae
Ratlam
Raton
Ratskeller
Rattan
Rattigan
Rattray
Rattus
Rauch
Raul
Raul Alfonsin
Raul Castro
Raumur
Raumur scale
Rauraci
Raurich
Raurici
Rausch
Rauschenburg
Rauschenbusch
Rauscher
Rauwolfia
Ravana
Raveaux
Ravel
Raven
Raven, The
Ravena
Ravenala
Ravencliff
Ravendale
Ravenden
Ravenel
Ravenelia
Ravenna
Ravenna grass
Ravens
Ravensara
Ravensdale
Raymund
Rayna
Raynah
Raynard
Raynata
Rayne
Raynell
Raynelle
Rayner
Raynesford
Raynham
Raynold
Raynomd Ioanus
Raynor
Raysal
Rayshell
Raytheon
Rayville
Raywick
Raywood
Razid
Razoumofskya
Rb
Rct
Rd
RdAc
Rdesheimer
Rdhos
Re
Re-americanization
Re-americanize
Re-christianize
Re-english
Re-germanization
Re-germanize
Re-hellenization
Re-hellenize
Re-puritanize
Re-romanize
Rea
Reace
Read
Reade
Reader
Reader's Digest Almanac
Readfield
Reading
Readington
Rebuck
Recamier
Received Pronunciation
Received Standard
Recent
Receptaculites
Receptaculitidae
Rech
Recha
Rechaba
Rechabite
Rechabitism
Recife
Recit
Reckford
Recklinghausen
Recollect
Recollet
Recollet de Gerardmer
Reconstruction
Reconstruction Era
Reconstructionism
Reconstructionist
Recor
Recorde
Recording Angel
Records
Rect
Rectigraph
Rector
Rectortown
Recurvirostra
Recurvirostridae
Red
Red Army
Red Auerbach
Red Badge of Courage, The
Red Bluff
Red Book
Red Branch
Red Brigades
Red Chamber
Red China
Red Crescent
Red Cross
Red Deer
Red Desert
Red Ensign
Red Feather
Red Guard
Red Hats
Red Indian
Red Planet
Red Poll
Red Polled
Red Republican
Red River
Red River War
Red River of the South
Red Schoendienst
Red Sea
Red Spot
Red and the Black
Red and the Black, The
Red polled
Redan
Redart
Redash
Redbank
Redbanks
Redbridge
Redby
Redcliff
Redcrest
Redd
Reddell
Reddick
Reddin
Redding
Redditch
Reddy
Redeemer
Redemptine
Redemptionist
Redemptorist
Redeye
Redfield
Redford
Redfox
Redgrave
Redhook
Reddiffusion
Redig
Redkey
Redlands
Redleg
Reeva
Reeve
Reeves
Reevesville
Ref Ch
Refik Shefket Ince
Reflex
Reform
Reform Act
Reform Bill
Reform jew
Reform Judaism
Reformati
Reformation
Reformationism
Reformationist
Reformed
Reformed Church in America
Reformed believer
Refton
Refugio
Reg
Reg prof
Regain
Regalecidae
Regalecus
Regan
Regazzi
Regen
Regence
Regency
Regensburg
Reger
Regga
Reggi
Reggiano
Reggie
Reggie Theus
Reggio di Calabria
Reggio nell'Emilia
Reggis
Reggy
Regin
Regina
Regina Angelorum
Regina Coeli
Reginald
Reginauld
Regine
Regiomontanus
Regis
Register
Regius professor
Rego
Regt
Regulares
Regularia
Regulus
Regulus I
Reheboth
Rehm
Rehnberg
Rehobeth
Rehoboam
Rehoboth
Rehobothan
Rehmersburg
Reich
Reiche
Reichel
Reichenbach
Reichenberg
Reichert
Reichian psychology
Reichsbank
Reichsführer
Reichsland
Reichsländer
Reichsmark
Reichsrat
Reichsrath
Reichstag
Reichstein
Reid
Reidar
Reider
Reidsville
Reidville
Reifel
Reigate
Reign of Terror
Reijo Ruotsolainen
Reik
Reiko
Reilly
Reimarus
Reimer
Reims
Reimthursen
Rein
Reina
Reinald
Reinaldo
Reinaldos
Reinbeck
Reindeer Lake
Reindeer age
Reine
Reinecke
Reiner
Reiners
Reinert
Reinertson
Reinhard
Reinhardt
Reinhart
Reinhold
Reinholds
Reinke
Reino Hayhanen
Reinold
Reinwald
Reinwardtia
Reis
Reisch
Reiser
Reisfield
Reisinger
Reisman
Reiss
Reisterstown
Reiter
Reith
Reitman
Rejang
Rejean Lemelin
Rejoicing over the Law
Reki
Reklaw
Relay
Reld
Reliance
Religious Humanism
Religious Society of Friends
Religious of the Cenacle
Religious of the Sacred Heart
Rella
Rellia
Relly
Rellyan
Rellyanism
Rellyanite
Rem
Rema
Remarque
Rembert
Rembrandt
Rembrandtian
Rembrandtianism
Rembrandtianism
Rembrantrian
Remde
Remembrance Day
Remembrance Sunday
Remembrance of Things Past
Remembrancer
Remer
Remi
Remijia
Remington
Remlap
Remmer
Remoboth
Remonstrance
Remonstrant
Remoudou
Rempe
Remscheid
Remsen
Remsenburg
Remus
Remy
Rena
Renado
Renae
Renaissance
Renaissance literature
Renaissance man
Renaissance tragedy
Renaissance versatility
Renaissancist
Renaissant
Renalara
Renaldo
Renan
Renard
Renardine
Renascence
Renata
Renate
Renato
Renaud
Renault
Renckens
Rene
Rene Cassin
Rene Coty
Rene Jacquot
Rene de Soal
Renealmia
Renee
Renegotiation Board
Renell
Renelle
Reneta
Renferd
Renfred
Renfrew
Renfrewshire
Reni
Renick
Renie
Renilla
Renillidae
Renita
Remiti
Rennane
Renner
Rennes
Rennie
Rennold
Renny
Reno
Renoir
Renovo
Rensselaer
Rensselaerville
Rentiesville
Rento
Renton
Rentsch
Rentschler
Rentz
Renville
Renwick
Renzo
Reo
Rep
Repeal
Rephael
Repllier
Reptilia
Repton
Repub
Republic of China
Republican
Republican Party
Republican River
Republican Senate
Republican calendar
Republicananism
Requiem
Requiem Mass
Requienia
Rerum Novarum
Resa
Resaca
Resaca de la Palma
Rese
Reseda
Resedaceae
Resee
Reseta
Resht
Resistance
Resistencia
Resnais
Resor
Respighi
Responsa
Ress
Ressler
Restany
Reste
Restiaceae
Restio
Restionaceae
Restitutionist
Restivo
Reynolds
Reynolds number
Reynoldsburg
Reynoldsville
Reynosa
Reza Pahlavi
Reziwood
Rezzani
Rf
Rf Botha
Rgen
Rgt
Rh
Rh antigen
Rh factor
Rh negative
Rh positive
Rh-negative
Rh-positive
Rh-type
Rhabditis
Rhabdocarpum
Rhabdocoela
Rhabdocoelida
Rhabdomonas
Rhabdophora
Rhabdopleura
Rhabianectes
Rhacocarum
Rhacophorus
Rhadamantine
Rhadamantus
Rhadamantys
Rhaetia
Rhaetian
Rhaetian Alps
Rhaetic
Rhaeto-Romanic
Rhaeto-romance
Rhaeto-romanic
Rhaeto-romansh
Rhagionidae
Rhagodia
Rhame
Rhammaceae
Rhammales
Rhamnes
Rhamnus
Rhamphorhynchus
Rhamphosuchus
Rhapidophyllum
Rhaps
Rhaptopteraceae
Rhayader Claerwen
Rhea
Rhea Silvia
Rheae
Rheba
Rhee
Rheems
Rhegnopteri
Rheidae
Rheiformes
Rheims
Rein
Rheingau
Rheingold
Rheinhessen
Rheinland
Rheinland-Pfalz
Rheinlander
Rheita
Rheita Valley
Rhemish
Rhemist
Rhene
Rhenish
Rhenish Hesse
Rhenish wine
Rhesus
Rhesus factor
Rhet
Rhetian
Rhetic
Rhett
Rhetta
Rheum
Rhexia
Rheydt
Rhiamon
Rhiana
Rhianna
Rhiannon
Rhianon
Rhibhus
Rhigmus
Rhina
Rhinanthaceae
Rhinanthus
Rhine
Rhine Palatinate
Rhine Province
Rhine wine
Rhinebeck
Rhinecliff
Rhinegold
Rhinegrave breeches
Rhinehart
Rhineland
Rhineland-Palatinate
Rhinelander
Rhineodon
Rhineodontidae
Rhines
Rhineura
Rhinidae
Rhinobatidae
Rhinobatus
Rhinocerotidae
Rhinoderma
Rhinolophidae
Rhinophidae
Rhinophis
Rhinoptera
Rhinopteridae
Rhinosporidium
Rhinthonic
Rhinthonica
Rhipidistia
Rhipidoglossa
Rhipidoptera
Rhipiphoridae
Rhipiptera
Rhipsalis
Rhiptoglossa
Rhizina
Rhizinaceae
Rhizobium
Rhizocarpeae
Rhizocephala
Rhizoctonia
Rhizodus
Rhizoflagellata
Rhizophora
Rhizophoraceae
Rhizopoda
Rhizopogon
Rhizopus
Rhizostomae
Rhizostomata
Rhizota
Rhne
Rhoades
Rhoadesville
Rhoads
Rhoda
Rhodamine
Rhodanian
Rhode
Rhode Island
Rhode Island Independence Day
Rhode Island Red
Rhode Island bent
Rhode Island red
Rhode Island white
Rhode Islander
Rhode island
Rhode islander
Rhodelia
Rhodell
Rhodes
Rhodes grass
Rhodes scholarship
Rhodesdale
Rhodesia
Rhodesia and Nyasaland
Rhodesian
Rhodesian Front
Rhodesian man
Rhodesian ridgeback
Rhodesoid
Rhodhiss
Rhodia
Rhodian
Rhodie
Rhodobacteriaceae
Rhodobacterioidae
Rhodococcus
Rhodocystis
Rhodomelaceae
Rhodope
Rhodope Mountains
Rhodophyceae
Rhodophyllidaceae
Rhodophyta
Rhodopis
Rhodora
Rhodoraceae
Rhodos
Rhodospermeae
Rhodospirillum
Rhodothece
Rhodotypos
Rhodus
Rhody
Rhodymenia
Rhodymeniaceae
Rhodymeniales
Rhoeadales
Rhoeus
Rhoeo
Rhoetus
Rhomboganoidei
Rhombozoa
Rhona
Rhonda
Rhondda
Rhopalocera
Rhopalura
Rhu
Rhus
Rhynchobdellae
Rhynchobdellida
Rhynchocephala
Rhynchocephali
Rhynchocephalia
Rhynchocoela
Rhynchonella
Rhynchonellacea
Rhynchonellidae
Rhynchophora
Rhynchopinae
Rhynchos
Rhynchosia
Rhynchospora
Rhynchota
Rhyncostomi
Rhynd
Rhyne
Rhyner
Rhynia
Rhyniaceae
Rhynocheti
Rhynsburger
Rhys
Rhyssa
Rhytidodon
Rhytina
Rhytisma
Ri
Ria
Rialto
Riana
Riancho
Riane
Rianna
Riannon
Rianon
Riba
Ribal
Ribandism
Ribandist
Ribaudo
Ribbentrop
Ribble
Ribbonism
Ribbonman
Ribeirto
Ribera
Ribero
Ribes
Ribhus
Ribicoff
Ribston
Ric
Rica
Ricard
Ricarda
Ricardama
Ricardian
Ricardianism
Ricardo
Ricardo Arias Calderon
Ricardo Balbin
Ricardo de la Espriella
Ricca
Riccardo
Ricci
Riccia
Ricciaceae
Ricciales
Riccio
Riccioli
Riccius
Rice
Rice Lake
Riceboro
Ricetown
Riceville
Rich
Richara
Richard
Richard Bowditch
Richard Bozzuto
Richard Brodeur
Richard Brzeczek
Richard Caliguiri
Richard Coeur de Lion
Richard Hajdu
Richard I
Richard II
Richard III
Richard Ichord
Richard Kasischke
Richard Kneip
Richard Matuszewski
Richard Roe
Richard Secord
Richard Sevigny
Richarda
Richardia
Richardo
Richards
Richardson
Richardson ground squirrel
Richardsonia
Richardsville
Richardton
Richart
Richburg
Richebourg
Richel
Richela
Richelieu
Richelieu River
Richella
Richelle
Richer
Richers
Richet
Richey
Richeyville
Richfield
Richford
Richia
Richie
Richier
Richlad
Richland
Richland Center
Richland Hills
Richlands
Richma
Richmal
Richman
Richmond
Richmond Heights
Richmond-upon-Thames
Richmonddale
Richmondena
Richmondville
Richmound
Richter
Richter scale
Richthofen
Richton
Richvale
Richview
Richville
Richwood
Richwoods
Richy
Rici
Ricinulei
Ricinus
Rick
Rick Adelman
Rick Aguilera
Rick Bowness
Rick Mahorn
Rick Majerus
Rick Meagher
Rick Pitino
Rick Reuschel
Riefler clock
Riegel
Riegelsville
Riegelwood
Rieger
Riehl
Rieka
Riel
Riella
Riemann
Riemann integral
Riemann sphere
Riemann zeta function
Riemann-Stieltjes integral
Riemannean
Riemannian
Riemannian geometry
Rienzi
Rienzo
Ries
Riesel
Riesling
Riesman
Riess
Riessersee
Riesz space
Rieth
Rieti
Rietveld
Rif
Riff
Riffi
Riffian
Riffle
Riffs
Rifi
Rifian
Rifkin
Rifton
Rig-Veda
Rig-veda
Rig-vedic
Riga
Riga balsam
Rigby
Rigdon
Rigel
Rigelian
Rigg's disease
Riggall
Riggins
Riggs
Riggs' disease
Right Bank
Right Honourable
Right Reverend
Right Reverend, the
Rigi
Rigil Kent
Rigil Kentaurus
Rigil kentaurus
Rigoletto
Rigotte de Condrieu
Rigsdag
Rigsmaal
Rigsmal
Rigveda
Rigvedic
Riha
Rihanna
Riis
Rijeka
Rijksmuseum
Rijn
Rijswijk
Rik
Rika
Rikari
Riker
Riki
Rikki
Riksdag
Riksmål
Riksmaal
Riksmal
Rilda
Riley
Rileyville
Rilke
Rillings
Rillis
Rillito
Rilton
Rima
Rimas
Rimbaud
Rio Vista
Rio de Janeiro
Riobard
Riocard
Rioja
Rion
Rion Strait
Rior
Riodan
Riorsson
Riot Act
Rip
Rip Van Winkle
Riparrii
Riparius
Ripleigh
Riplex
Ripley
Ripon
Ripp
Rippey
Ripplemead
Rippon
Ripuarian
Riquewihr
Ririe
Risa
Risco
Rise
Risley
Rison
Risorgimento
Riss
Rissa
Risser
Rissian
Rissoa
Rissoidae
Rist
Risteau
Rita
Ritch
Ritchie
Rite of Spring, The
Riti
Ritner
Ritschlian
Ritschlianism
Ritter
Rittman
Ritwan
Ritz
Ritz sauce
Ritz's combination principle
Ritzville
Riva
Rivalee
Rivals, The
Rivard
River
River Falls
River Grove
River Oaks
River Plate
River Rouge
River of Fire
River of Forgetfulness
River of Wailing
River of Woe
Rivera
Riverbank
Riverdale
Riverege
Riverhead
Rivers
Riverside
Riverton
Rivervale
Riverview
Rives
Rivesville
Rivi
Riviera
Rivina
Rivinian
Rivkah
Rivularia
Rivulariaceae
Rivy
Rixeyville
Rixford
Riyadh
Riza
Rizal
Rizal day
Rizas
Rizika
Rizzi
Rizzio
Rizzo
Rjhard
Rn
Ro
Ro Bravo
Ro Muni
Ro Negro
Ro de Oro
Ro de la Plata
Roach
Roachdale
Road Not Taken, The
Road Town
Road to the Isles
Roald
Roan Barbary
Roan Stallion
Roana
Roane
Roann
Roanna
Roanne
Roanoke
Roanoke Island
Roanoke bells
Roaring Forties
Roaring Spring
Roaring Twenties
Roark
Roarke
Roath
Rob
Rob Ramage
Rob Roy
Robaina
Robards
Robb
Robbe-Grillet
Robben Island
Robber synod
Robbert
Robbi
Robbia
Robbie
Robbie Ftorek
Rockmart
Rockne
Rockport
Rockton
Rockvale
Rockview
Rockville
Rockville Centre
Rockwall
Rockwell
Rockwell number
Rockwood
Rocky
Rocky Ford
Rocky Graziano
Rocky Mount
Rocky Mountain States
Rocky Mountain beeplant
Rocky Mountain bighorn
Rocky Mountain canary
Rocky Mountain goat
Rocky Mountain juniper
Rocky Mountain red cedar
Rocky Mountain sheep
Rocky Mountain spotted fever
Rocky Mountain white pine
Rocky Mountain whitefish
Rocky Mountains
Rocky River
Rocky mountain
Rocouyenne
Rocray
Rocrui
Rod
Rod Gilbert
Roda
Rodanthe
Rodd
Roddie
Roddy
Rodenhouse
Rodentia
Roderfield
Roderic
Roderica
Roderich
Roderick
Roderick Hudson
Roderigo
Rodessa
Rodez
Rodge
Rodger
Rodgers
Rodi
Rodie
Rodin
Rodina
Rodinal
Rodinesque
Rodl
Rodman
Rodmann
Rodmun
Rodmur
Rodney
Rodolfo
Rodolph
Rodolphe
Rodolphus
Rodrich
Rodrick
Rodrigo
Rodrigo Carazo
Rodriguez
Rodrique
Roduco
Rodzinski
Roe
Roebling
Roede
Roe
Roehm
Roeland Park
Roelof Botha
Roentgen
Roentgen ray
Roer
Roerich
Roeselare
Roeser
Roethke
Roff
Rog
Roggiano wing
Rogation Days
Rogationtide
Roger
Roger Heyns
Rogerio
Rogerio
Rogers
Rogerson
Rogersville
Roget
Roggen
Rogie Vachon
Roger
Rogov
Rogozen
Rohilla
Rohn
Rohrersville
Roi
Roice
Roid
Rois
Roist
Rojas
Rok
Rokach
Rokadur
Rola
Rolaids
Rolan
Roland
Roland Melanson
Rolanda
Rolandic
Rolandic epilepsy
Rolando
Rolandson
Roldan
Roldan
Rolesville
Rolette
Roley
Rolf
Rolf the Ganger
Rolfe
Rolfston
Rolla
Rolland
Rolle's theorem
Roller Derby
Rollet
Rollie
Rollin
Rolling Hills Estates
Rolling Stones
Rollingstone
Rollinia
Rollins
Rollinsford
Rollinsville
Rollo
Rollot
Rolls Court
Rolo
Rolph
Rom
Rom Cath
Roma
Romadur
Romaean
Romagna
Romagnese
Romagnol
Romagnole
Romaic
Romain
Romaine
Romains
Romaji
Romalda
Roman
Roman Catholic
Roman Catholic Church
Roman Catholicism
Roman Christianity
Roman Corinthian
Roman Doric
Roman Empire
Roman Ionic
Roman alphabet
Roman arch
Roman balance
Roman brick
Roman calendar
Roman candle
Roman collar
Roman deities
Roman holiday
Romanization
Romanize
Romanizer
Romanly
Romano
Romano cheese
Romano-british
Romano-briton
Romano-byzantine
Romano-canonical
Romano-celtic
Romano-ecclesiastical
Romano-egyptian
Romano-etruscan
Romano-gallic
Romano-german
Romano-germanic
Romano-gothic
Romano-greek
Romano-hispanic
Romano-iberian
Romano-lombardic
Romano-punic
Romanoff
Romanov
Romans
Romansch
Romansh
Romantic Classicism
Romantic Movement
Romanus
Romany
Romany rye
Romayne work
Romayor
Rombauer
Romberg
Rombert
Rome
Rome plow
Romelda
Romeldale
Romelle
Romeo
Romeo and Juliet
Romeon
Romescot
Romeshot
Roncvalles
Roncaux
Ronceverte
Ronco
Ronda
Rondeletia
Rondi
Rondnia
Rondon
Rondonia
Rone
Ronel
Ronen
Roneo
Rong
Rong-pa
Ronga
Ronica
Ronkonkoma
Ronks
Ronn
Ronna
Rome
Ronnholm
Ronni
Ronmica
Ronnie
Ronny
Ronsard
Ronsardian
Ronsardism
Ronsardist
Ronsardize
Ronsdorfer
Ronsdorfian
Rontgen
Rony Seikaly
Roobbie
Roodepoort-Maraisburg
Rooke
Rooker
Rooney
Roopville
Roos
Roose
Roosevelt
Roosevelt Corollary
Roosevelt Dam
Roosevelt Day
Roosevelt Park
Rooseveltian
Roost
Root
Roots
Roots blower
Rootstown
Roper
Ropesville
Roque
Roquefort
Roquefort cheese
Rora
Roraima
Rorate sunday
Rori
Rorida
Roridulaceae
Rorie
Roripa
Rorippa
Roris
Rorke
Rorry
Rorrys
Rorschach method
Rorschach test
Rory
Ros
Rosa
Rosa pimpinellifolia
Rosabel
Rosabella
Rosabelle
Rosaceae
Rosalba
Rosalée
Rosaleen
Rosales
Rosalia
Rosalie
Rosalind
Rosalinda
Rosalinde
Rosaline
Rosalyn
Rosalyn Carter
Rosalynd
Rosamond
Rosamund
Rosan
Rosana
Rosane
Rosanky
Rosanna
Rosanne
Rosario
Rosary
Rosary Mass
Rosati
Rosburg
Roschach
Roscian
Rocsius
Rosco
Roscoe
Roscommmon
Rose
Rose Cipollone
Rose sunday
Roseann
Roseanna
Roseanne
Roseau
Roseberry
Rosebery
Roseboom
Roseboro
Rosebud
Roseburg
Rosecan
Rosecrans
Rosedale
Rosel
Rosel Hyde
Roseland
Roselane
Roselani
Roselawn
Roselba
Roselia
Roselin
Roseline
Rosella
Roselle
Rosston
Rossuck
Rossville
Rossy
Rost
Rostand
Rostellaria
Rostock
Rostov
Rostov-on-Don
Rostovtzeff
Rostropovich
Roswald
Roswell
Rosy
Roszak
Rota
Rotal
Rotala
Rotalia
Rotameter
Rotan
Rotanev
Rotarian
Rotarianism
Rotary
Rotary Club
Rotatoria
Rotberg
Rotenburg
Roter
Roth
Rothberg
Rothbury
Rothenberg
Rother
Rotherham
Rothermere
Rothesay
Rothko
Rothmuller
Rothsay
Rothschild
Rothstein
Rothville
Rothwell
Roti
Rotifera
Rotman
Rotorua
Rototiller
Rotow
Rotse
Rotterdam
Rottweiler
Rouault
Roubaix
Rouen
Rouennais
Rouge Croix
Rouge Dragon
Rouge et le Noir, Le
Rougemont
Rouget de l'Isle
Rouget de Lisle
Rough Riders
Rougon
Roulers
Rouman
Roumania
Roumanian
Roumelia
Roumeliote
Roumell
Round Table
Roundhead
Roundo
Roundrock
Rourke
Rouseville
Rousseau
Rousseauan
Rousseauism
Rousseauist
Rousseauistic
Rousseauite
Roussel
Rousselian
Roussillon
Routh
Rouvin
Roux
Rouzerville
Rovaniemi
Rovelli
Rover
Rover Boy
Rovit
Rovner
Row
Rowan
Rowe
Rowell
Rowen
Rowena
Rowesville
Rowland
Rowlandson
Rowlean
Rowlesburg
Rowlett
Rowletts
Rowley
Rowleyan
Rowney
Rox
Roxana
Roxane
Roxanna
Roxanne
Roxas y Acuna
Roxboro
Roxburgh
Roxburghiaceae
Roxburghshire
Roxbury
Roxi
Roxie
Roxine
Roxobel
Roxolani
Roxton
Roxy
Roy
Royal
Royal Academy
Royal Air Force
Royal Air Force College
Royal Air Force List
Royal Australian Air Force
Royal Canadian Air Force
Royal Canadian Mounted Police
Royal Commission
Royal Engineers
Rudbeckia
Rudd
Ruddie
Ruddy
Rude
Rudelson
Ruder
Rudesheimer
Rudich
Rudie
Rudiger
Rudin
Rudista
Rudistae
Rudman
Rudmasday
Rudolf
Rudolf I
Rudolf Nierlich
Rudolfo
Rudolph
Rudolph Giuliani
Rudolpho
Rudolphus
Rudra
Rudulph
Rudwik
Rudy
Rudy Linares
Rudy Tomjanovich
Rudyard
Rue
Ruel
Ruella
Ruelle
Ruellia
Ruelu
Rueter
Rufe
Rufena
Ruff
Ruffi
Ruffin
Ruffina
Ruffo
Rufford
Ruffsdale
Rufina
Rufino
Rufisque
Ruford
Rufus
Rufus Daniel Isaacs
Rugbeian
Rugby
Rugby football
Rugen
Rugg
Rugger
Ruggiero
Rugosa
Ruhl
Ruhmkorff coil
Ruhnke
Ruhr
Ruidoso
Ruisdael
Ruiz
Rukbat
Rulander
Rules
Rules and Administration
Ruleville
Rulo
Rum
Ruman
Rumania
Rumanian
Rumanian amber
Rumelia
Rumelian
Rumely
Rumery
Rumex
Rumford
Rumi
Rumilly
Rumina
Ruminantia
Rumney
Rumor
Rump Parliament
Rumpelstiltskin
Rumper
Rumpf
Rumsey
Rumson
Runa
Runa-simi
Runck
Runcorn
Rundbogenstil
Rundgren
Rundi
Rundstedt
Runge
Runge-Kutta method
Runion
Runkel
Runkle
Runnells
Runnemed
Runnymede
Runstadler
Runyon
Ruomulo Gallegos
Rupert
Ruptera
Ruperto
Ruphina
Rupicapra
Rupicaprinae
Rupicola
Rupicolinae
Ruppertsberger
Ruppia
Ruprecht
Rural Dionysia
Ruralhall
Rurik
Ruritania
Ruritanian
Rus
Rusa
Ruscher
Ruscio
Ruscus
Ruse
Rusel
Rusell
Rusert
Rush
Rushford
Rushing
Rushland
Rushmore
Rushsylvania
Rushville
Rusin
Rusk
Ruskin
Ruskin Gothic
Ruskinian
Ruso
Russ
Russ Schoene
Russayn Kamel
Russel
Russelia
Russell
Russell diagram
Russell's viper
Russellite
Russelton
Russellville
Russelyn
Russene
Russes
Russi
Russia
Russia leather
Russian
Russian Church
Russian Empire
Russian Orthodox
Russian Orthodox Church
Russian Revolution
Russian Turkestan
Russian Zone
Russian bank
Russian bath
Russian blue cat
Russian cross
Russian dandelion
Russian dressing
Russian olive
Russian poet
Russian roulette
Russian salad
Russian thistle
Russian wolfhound
Russian wormwood
Russophobist
Russula
Rust
Rustburg
Rustice
Rusticus
Rustie
Rustin
Ruston
Rusty
Rusty Dominguez
Ruta
Rutaceae
Rutan
Rutelinae
Rutger
Rutgers
Ruth
Ruthann
Ruthanne
Ruthe
Ruthene
Ruthenia
Ruthenian
Rutherford
Rutherford alpha-particle
Rutherford atom
Rutherford scattering
Rutherford theory
Rutherford-Geiger counter
Rutherfordton
Rutherford
Ruther
Ruthen
Ruthlee
Ruthen
Ruthven
Ruthville
Ruthy
Rutiodon
Rutland
Rutlandshire
Rutledge
Rutter
Ruttger
Rutuli
Ruud Lubbers
Ruvolo
Ruwenzori
Ruy
Ruyle
Ruysdael
Ruyster
Ruzich
Rwanda
Rwy
Rx
Ry
Ryan
Ryan
Ryazan
Rybinsk
Rycca
Rychard
Rydal
Rydberg
Rydberg constant
Rydberg number
Rydder
Ryde
Ryder
Ryderwood
Rye
Rye House Plot
Ryeland
Ryland
Ryle
Ryley
Rymandra
Rynchospora
Ryobu Shinto
Ryon
Rysler
Ryswick
Ryter
Rytina
Ryukyu
Ryukyu Islands
Ryun
Ryunosuke
Ryurik
S
S Dak
S bend
S brake
S curve
S gauge
S hook
S level
S of Sol
S pole
S ray
S trap
S twist
S wave
S wrench
S's
S-R connection
S-curve
S-iron
S-scroll
S-shaped
S-state
S/D
SA
SAA
SAAB
SABC
SABME
SABRE
SAC
SACEur
SACEUR
SACK
SADD
SAE
SAG
SAGA
SAI
SAIC
SAKDC
SALI
SALT
SAM
SAMA
SAMOS
SAMPEX
SAMTO
SAO
SAP
SAR
SARA
SAREX
SCP D
SCR
SCRAM
SCS
SCSA
SCSI
SCT
SCTS
SCU
SCUBA
SCUD
SCX
SD
SDA
SDB
SDCD
SDD
SDF
SDH
SDI
SDIO
SDIS
SDL
SDLC
SDM
SDN
SDO
SDOC
SDP
SDR
SDRC
SDRs
SDS
SDSC
SDU
SDV
SE
SE by E
SE by S
SEAP
SEAS
SEATO
SEC
SECAM
SECNAV
SED
SEI
SEL
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SELV</td>
<td></td>
</tr>
<tr>
<td>SEM</td>
<td></td>
</tr>
<tr>
<td>SEN</td>
<td></td>
</tr>
<tr>
<td>SER</td>
<td></td>
</tr>
<tr>
<td>SERC</td>
<td></td>
</tr>
<tr>
<td>SES</td>
<td></td>
</tr>
<tr>
<td>SESRA</td>
<td></td>
</tr>
<tr>
<td>SEST</td>
<td></td>
</tr>
<tr>
<td>SET</td>
<td></td>
</tr>
<tr>
<td>SETI</td>
<td></td>
</tr>
<tr>
<td>SEX</td>
<td></td>
</tr>
<tr>
<td>SEhS</td>
<td></td>
</tr>
<tr>
<td>SF</td>
<td></td>
</tr>
<tr>
<td>SFD</td>
<td></td>
</tr>
<tr>
<td>SFDM</td>
<td></td>
</tr>
<tr>
<td>SFMC</td>
<td></td>
</tr>
<tr>
<td>SFO</td>
<td></td>
</tr>
<tr>
<td>SFRPG</td>
<td></td>
</tr>
<tr>
<td>SG</td>
<td></td>
</tr>
<tr>
<td>SGI</td>
<td></td>
</tr>
<tr>
<td>SGML</td>
<td></td>
</tr>
<tr>
<td>SGMP</td>
<td></td>
</tr>
<tr>
<td>SGP</td>
<td></td>
</tr>
<tr>
<td>SHA</td>
<td></td>
</tr>
<tr>
<td>SHAEF</td>
<td></td>
</tr>
<tr>
<td>SHAPE</td>
<td></td>
</tr>
<tr>
<td>SHAR</td>
<td></td>
</tr>
<tr>
<td>SHCD</td>
<td></td>
</tr>
<tr>
<td>SHF</td>
<td></td>
</tr>
<tr>
<td>SHM</td>
<td></td>
</tr>
<tr>
<td>SHRPG</td>
<td></td>
</tr>
<tr>
<td>SI</td>
<td></td>
</tr>
<tr>
<td>SI unit</td>
<td></td>
</tr>
<tr>
<td>SIAM</td>
<td></td>
</tr>
<tr>
<td>SIC</td>
<td></td>
</tr>
<tr>
<td>SID</td>
<td></td>
</tr>
<tr>
<td>SIG</td>
<td></td>
</tr>
<tr>
<td>SIGCAT</td>
<td></td>
</tr>
<tr>
<td>SIMD</td>
<td></td>
</tr>
<tr>
<td>SIMM</td>
<td></td>
</tr>
<tr>
<td>SINE</td>
<td></td>
</tr>
<tr>
<td>SINS</td>
<td></td>
</tr>
<tr>
<td>SIP</td>
<td></td>
</tr>
<tr>
<td>SIPC</td>
<td></td>
</tr>
<tr>
<td>SIPP</td>
<td></td>
</tr>
<tr>
<td>SIPS</td>
<td></td>
</tr>
<tr>
<td>SIR</td>
<td></td>
</tr>
<tr>
<td>SIRTF</td>
<td></td>
</tr>
</tbody>
</table>
SIS
SISAL
SISCOM
SIT
SITA
SJ
SJC
SJD
SKU
SL
SLA
SLADE
SLALOM
SLAM
SLAN
SLAPP
SLAR
SLBM
SLC
SLDC
SLE
SLED
SLIC
SLIM
SLIP
SLP
SLR
SLS
SLUFAE
SM
SMA
SMAS
SMASF
SMASPU
SMB
SMC
SMD
SMDF
SMDI
SMDR
SMDS
SME
SMEX
SMG
SMI
SMILS
SMIT
SMM
STD
STD code
STDM
STI
STILO
STIS
STL
STM
STN
STOH
STOL
STP
STRPG
STS
STS rocket
STSCI
STSI
STTNG
STTOS
STV
SU
SUG
SUID
SUM
SUN
SUNDIAG
SUNET
SUNVIEW
SUNY
SURANET
SURF
SUSP
SV
SVC
SVID
SVP
SVR
SVR4
SVS
SVVS
SW
SW by S
SWA
SWAK
SWAN
SWAS
SWB
SWF
Saber
Saberhagen
Saberio
Sabetha
Sabia
Sabiaceae
Sabian
Sabianism
Sabik
Sabillasville
Sabin
Sabin vaccine
Sabina
Sabinal
Sabine
Sabine Lake
Sabine River
Sabinian
Sabino
Sabinsville
Sabir
Sable
Sabra
Sabri Assali
Sabrina
Sabrina work
Sabromin
Sahsay
Sabu
Sabuja
Sabula
Saburo
Sac
Sacae
Sacaton
Saccammina
Saccha
Saccharomyces
Saccharomycetaceae
Saccharomycetales
Saccharomycetes
Saccharum
Sacci
Saccidananda
Sacco
Saccobranchiata
Saccobranchus
Saccolabium
Saccomyidae
Saccomyina
Saccomyoidea
Saccomys
Saccopharyngidae
Saccopharynx
Saccorhiza
Sacculina
Sacha
Sacha Distel
Sacher torte
Sacher torten
Sacher tortes
Sacheverell
Sachi
Sachiko
Sachs
Sachsen
Sachsse
Sacian
Sacken
Sackey
Sackman
Sacks
Sacksen
Sackville
Saco
Sacra Romana Rota
Sacra romana rota
Sacrament Sunday
Sacrament sunday
Sacrament, the
Sacramentarian
Sacramentary
Sacramento
Sacramento cat
Sacramento perch
Sacramento pike
Sacramento sturgeon
Sacre du Printemps, Le
Sacred College
Sacred College of Cardinals
Sacred Heart
Sacred Roman Rota
Sacred Writ
Sacrificati
Sacripant
Sacrobosco
Sacs
Sacttler
Sacul
Sad
Sada
Sadachbia
Sadalmelik
Sadalsuud
Sadat
Saddam Hussein
Saddegh Ghothzadeh
Saddler
Sadducaic
Sadducean
Sadducee
Sadduceeism
Sadduceeist
Sadducism
Sadducize
Sade
Sadek el-Mahdi
Sadella
Sadhu Ittyavirah
Sadi
Sadi dervish
Sadick
Sadie
Sadie Hawkins Day
Sadieville
Sadira
Sadirah
Sadiras
Sadite
Sadler
Sadoc
Sadoff
Sadonia
Sadorus
Sadowa
Sadowski
Sadr
Sadsburyville
Sadye
Saeed
Saeger
Sageertown
Saehrimmir
Saeima
Safar
Safavi
Safavid
Safavis
Safawid
Safety Islands
Saffarian
Saffarid
Saffell
Saffian
Saffier
Safford
Saffren
Safi
Safid Rud
Safier
Safine
Safini
Safir
Safire
Safko
Sagai
Sagai tatar
Sagamore
Sagaponack
Sage
Sage hen
Sager
Sageretia
Sagerman
Saghalien
Sagina
Saginaw
Saginaw Bay
Sagitarian
Sagitta
Sagittae
Sagittaria
Sagittarii
Sagittariid
Sagittarius
Sagittary
Sagittid
Sagle
Sagola
Sagra
Saguache
Sagueneay
Saguerus
Saguia el Hamra
Sagunto
Saguntum
Sahadeva
Sahaptin
Sahara
Saharan
Saharanpur
Saharian
Saharic
Sahib
Sahibah
Sahidic
Sahitya Akademi
Saho
Sahuarita
Said Aouita
Said Hamami
Saida
Saidee
Saidel
Saideman
Saidi
Saied
Saiff
Saigon
Saïlesh
Sailing to Byzantium
Saimon
Sainfoin
Saint
Saint Agnes's Eve
Saint Albans
Saint Anthony's Cross
Saint Anthony's Fire
Saint Anthony's cross
Saint Anthony's fire
Saint Augustine
Saint Austell
Saint Bartholomew's Day Massacre
Saint Benoît
Saint Bernard
Saint Bernard Pass
Saint Catharines
Saint Christopher
Saint Christopher-Nevis-Anguilla
Saint Clair
Saint Croix
Saint Croix River
Saint David's
Saint David's Day
Saint Elias Mountains
Saint Elmo's fire
Saint Gall
Saint George's
Saint George's Channel
Saint George's Cross
Saint Gotthard
Saint Helena
Saint Helens
Saint Helier
Saint James's Palace
Saint Joan
Saint John
Saint John's
Saint John's bread
Saint John's wort
Saint Kilda
Saint Kitts
Saint Kitts-Nevis-Anguilla
Saint Laurent
Saint Lawrence
Saint Lawrence Seaway
Saint Leger
Saint Leonard
Saint Louis
Saint Lucia
Saint Luke's summer
Saint Martin
Saint Martin's summer
Saint Moritz
Saint Nicholas
Saint Nick
Saint Patrick's Day
Saint Paul
Saint Paul's
Saint Peter's
Saint Petersburg
Saint Pierre
Saint Pierre and Miquelon
Saint Pten
Saint Swithin's Day
Saint Thomas
Saint Valentine's Day
Saint Vincent
Saint Vitus's dance
Saint andrew
Saint bell
Saint bernard
Saint michael
Saint simon
Saint-Agathon
Saint-Brieuc
Saint-Cloud
Saint-Denis
Saint-Etienne
Saint-Exupery
Saint-Florentin
Saint-Gaudens
Saint-Just
Saint-L
Saint-Laurent
Saint-Louis
Saint-Marcellin
Saint-Maur-des-Fossé
Saint-Maure
Saint-Mihiel
Saint-Nazaire
Saint-Nectaire
Saint-Ouen
Saint-Pierre
Saint-Quentin
Saint-Sa
Saint-Simon
Saint-Simonian
Saint-Simonianism
Saint-Simonism
Saint-emilion
Saint-estephe
Saint-julien
Saint-milion
Saint-simonianism
Saint-simonism
Saint-simonist
Sainte Foy
Sainte-Beuve
Saintpaulia
Saintsbury
Saionji
Saipan
Saiph
Sair
Saire
Salineno
Salineville
Salinger
Salique
Salisbury
Salisburia
Salisbury
Salisbury Plain
Salisbury steak
Salish
Salishan
Salita
Salitpa
Saliva
Salivan
Salix
Salk
Salk vaccine
Salkum
Sall
Salle
Sallee
Salley
Salli
Sallie
Sallier papyri
Sallis
Sallisaw
Sallust
Sally
Sally Army
Sally Lunn
Sally Wattle
Sally lunn
Sally nixon
Sallyann
Sallyanne
Sallybloom
Sallye
Salm
Salmacis
Salmagundi
Salman
Salman Rushdie
Salmanazar
Salmo
Salmon
Salmon River Mountains
Salmonella
Salmonidae
Salmonoidea
Salmonoidei
Salol
Saloma
Salome
Salomi
Salomie
Salomo
Salomon
Salomone
Salomonia
Salomonian
Salomonic
Salonica
Salonika
Saloniki
Salop
Salopian
Salot
Salpa
Salpidae
Salpiglossis
Salpinx
Salsbury
Salsola
Salsolaceae
Salt Lake City
Salt creek
Salt river
Salta
Saltator
Saltatoria
Salten
Salter
Salterpath
Salters
Saltgum
Saltigradae
Saltillo
Saltlick
Salto
Salton Sea
Saltsburg
Saltsman
Saltville
Saltzman
Saluda
Saluki
Salukis
Salus
Salva
Salvador
Salvador Dali
Salvador Laurel
Salvadora
Salvadoraceae
Salvadoran
Salvadore
Salvadorian
Salvarsan
Salvation Army
Salvation Army bonnet
Salvation army
Salvationist
Salvator
Salvatore
Salvatore Briguglio
Salvay
Salve Regina
Salvelinus
Salvia
Salvador
Salvini
Salvinia
Salviniaceae
Salviniales
Salvisa
Salvo
Salvucci
Salween
Salwey
Salyer
Salyersville
Salyut
Salzburg
Salzburg vitriol
Saltzgitter
Salzhauer
Sam
Sam Bowie
Sam Browne belt
Sam Jankovich
Sam Wyche
Sam hill
Samira
Samish
Samkhya
Saml
Sammael
Sammartini
Sammer
Sammie
Sammies
Sammons
Sammy
Sammy Winder
Samnani
Samnite
Samnite Wars
Samnium
Samnorwood
Samoa
Samoan
Samogitian
Samolus
Samora Machel
Samos
Samosatenian
Samoset
Samotherium
Samothrace
Samothracian
Samothrake
Samoyed
Samoyedic
Samp
Sampo
Sampsaean
Sampson
Sampson fox
Sampson post
Sampson snakeroot
Sams
Samsam
Samsien
Samson
Samson Agonistes
Samson fish
Samson post
Samsoness
Samsonian
Samsonic
Samsonistic
Samsun
Samucan
Samucu
Samuel
Samuela
Samuele
Samuella
Samuelson
Samul
Samy
Samydaceae
San
San Antonio
San Bernardino
San Bernardino Pass
San Blas
San Buenaventura
San Cristbal
San Diego
San Fernando
San Fernando de Apure
San Franciscan
San Francisco
San Francisco Bay
San Ildefonso
San Jacinto
San Jacinto Day
San Jos
San Jose
San Jose de Cucuta
San Jose scale
San Juan
San Juan Bautista
San Juan Hill
San Juan Islands
San Juan Mountains
San Juan de la Cruz
San Luis Potos
San Marco
San Marino
San Mart
San Mateo
San Miguel
San Pablo
San Pablo Bay
San Pedro Sula
San Remo
San Saba
San Salvador
San Salvador Island
San Sebasti
San Stefano
San blas
San blas indian
San carlos apache
San ildefonso indian
San jacinto day
San juan indian
San kuo
San sebastian
San thome
San'a
Sana
Sanaa
Sanalda
Sanballat
Sanbo
Sanborn
Sanborne
Sanburn
Sancerre
Sancha
Sanchez
Sancho
Sancho Panza
Sancta Virgo Virginum
Sanctology
Sanctus
Sanctus bell
Sancus
Sancy
Sand
Sandakan
Sandalwood Island
Sandawe
Sandberg
Sandburg
Sande
Sandeep
Sandell
Sandemanian
Sandemanianism
Sandemanism
Sander
Sanders
Sanderson
Sandersville
Sandhurst
Sandi
Sandia
Sandie
Sandler
Sandon
Sandor
Sandpoint
Sandra
Sandra Cecchini
Sandrakottos
Sandringham
Sandro
Sandrocottus
Sandron
Sandry
Sands
Sandstrom
Sandusky
Sandusky South
Sandwich
Sandwich Islands
Sandwich glass
Sandwich tern
Sandy
Sandye
Sanetch
Sanferd
Sanfo
Sanford
Sanforize
Sanforized
Sanforizing
Sanfourd
Sanfred
Sang
Sangallensis
Sangallo
Sangamon
Sanger
Sanggil
Sangh
Sangha
Sangiovese
Sangir
Sangirese
Sango
Sangraal
Sangre de Cristo
Sangre de Cristo Mountains
Sangreal
Sanguinaria
Sanguisorba
Sanguisorbaceae
Sanhedrim
Sanhedrin
Sanhedrist
Sanhita
Sanicula
Sanjay
Sanjiv
Sankara
Sankaran
Sankey
Sankhyya
Sankt Gallen
Sankt Polten
Sanmicheli
Sannoisian
Sanpoil
Sans
Sans arc
Sansar
Sansbury
Sanscrit
Sanscritic
Sansen
Sansevieria
Sansk
Sanskrit
Sanskritic
Sanskritist
Sanskritization
Sanskritize
Sansom
Sansom Park Village
Sanson
Sanson-Flamsteed projection
Sansone
Sansovino
Santa
Santa Ana
Santa Anna
Santa Barbara Islands
Santa Catalina
Santa Catarina
Santa Clara
Santa Clara Valley
Santa Claus
Santa Cruz
Santa Cruz de Tenerife
Santa Fe
Santa Fe Springs
Santa Fe Trail
Santa Fean
Santa Gertrudis
Santa Isabel
Santa Klaus
Santa Maria
Santa Marta
Santa Maura
Santa Rosa
Santa Rosa de Cop
Santa ana indian
Santa casa
Santa clara indian
Santa claus
Santa fe locomotive
Santa gertrudis
Santa hermandad
Santa maria
Santa maria tree
Santa sophia
Santal
Santalaceae
Santalales
Santali
Santalum
Santana
Santander
Santar
Santarem
Santaria
Santayana
Santbech
Santee
Santeria
Santiago
Santiago de Chile
Santiago de Compostela
Santiago de Cuba
Santiago de los Caballeros
Santiago del Estero
Santini
Santo
Santo Domingo
Santo domingan
Santo domingo indian
Santolina
Santorin earth
Santoro
Santos
Santos-Dumont
Sanusi
Sanusis
Sanvitalia
Sanyakoan
Sanyu
Sao
Sao Paulo de Loanda
Saon
Saone
Saorstat
Saorstat Eireann
Saoshyant
Saperda
Sapers
Sapharensian
Saphra
Sapienza
Sapindaceae
Sapindales
Sapindus
Sapir
Sapium
Saponaria
Saponi
Sapota
Sapotaceae
Sapowith
Sapphara
Sapphic
Sapphic ode
Sapphira
Sapphire
Sapphism
Saphist
Sappho
Sappho comet
Sapporo
Saprolegnia
Saprolegniaceae
Saprolegniales
Sapulpa
Saqqara
Sar
Sara
Sara Aldrete
Sara-Ann
Saraann
Sarabaite
Saracen
Saracenian
Saracenic
Saracenical
Saracenism
Saracenlike
Sarad
Sarada
Saragat
Saragosa
Sragossa
Sarah
Sarahann
Sarahsville
Saraiya
Sarajane
Sarajevo
Sarakolet
Sarakolle
Saraland
Saramaccaner
Saran
Saran wrap
Saranac
Saranac Lake
Saranac Lakes
Saransk
Sarasota
Sarasvati
Saratoga
Saratoga chip
Saratoga chop
Saratoga trunk
Saratogan
Saratov
Saravan
Sarawak
Sarawakese
Sarawan
Sarazen
Sarchet
Sarcina
Sarcobatus
Sarcoococa
Sarcocolla
Sarcocystidea
Sarcozystis
Sarcodes
Sarcodina
Sarcogyps
Sarcophaga
Sarcophagidae
Sarcophilus
Sarcopsylla
Sarcopsyllidae
Sarcoptes
Sarcoptidae
Sarcorhamphus
Sarcosporida
Sarcosporidia
Sarcoxie
Sarcura
Sard
Sardanapalian
Sardanapallos
Sardanapalos
Sardanapalus
Sardegna
Sardella
Sardes
Sardian
Sardinia
Sardinian
Sardis
Sardo
Sardoin
Sardou
Saree
Sarelon
Sarena
Sarene
Sarepta
Saretta
Sarette
Sargasso Sea
Sargassum
Sarge
Sargeant
Sargent
Sargent palm
Sargents
Sargentville
Sargodha
Sargon II
Sargonid
Sargonide
Sari
Sarid
Sarigue
Sarilda
Sarina
Sarine
Sarita
Sark
Sarkaria
Sarkis
Sarles
Sarmatia
Sarmatian
Sarmatic
Samath
Samen
Sarnia
Sarnoff
Sarona
Saronic Gulf
Saronville
Saros
Sarthamnus
Sarothra
Sarouk
Saroyan
Sarpedon
Sarracenia
Sarraceniaceae
Sarraceniales
Sarraute
Sarre
Sarsar
Sarsechim
Sarsi
Sarson
Sart
Sartell
Sarthe
Sartin
Sartish
Sarto
Sarton
Sartre
Sartrian
Sartrianism
Saruk
Sarum
Sarum missal
Sarum office
Sarum rubric
Sarum use
Sarvarthasiddha
Sarven hub
Sarver
Sarvodaya
Sarzan
Sasabe
Sasak
Sasakwa
Sasame-yuki
Sascha
Sasebo
Saseno
Sasha
Sashenka
Sask
Saskatchewan
Saskatoon
Sasnett
Saspamco
Sass
Sassak
Sassamansville
Sassan
Sassanian
Sassanid
Sassanidae
Sassanide
Sassanids
Sassari
Sassella
Sassenach
Sassenage
Sasser
Sasserides
Sassetta
Sassoon
Sastean
Sat
Sat-chit-ananda
Sat-cit-ananda
Satan
Satan worshiper
Sataanel
Satanas
Satanism
Satanist
Satanistic
Satanity
Satanology
Satanophanic
Satanophany
Satanophil
Satanophobia
Satanship
Satanta
Satartia
Satcitananda
Sateia
Sathrum
Satie
Satieno
Satin Slipper, The
Sato
Satrae
Satsop
Satsuma
Satsuma anthracnose
Satsuma ware
Satterfield
Satterlee
Sattley
Satu-Mare
Saturday
Saturday night special
Saturday-night special
Saturdays
Satureia
Saturn
Saturn nebula
Saturn red
Saturnal
Saturnale
Saturnalia
Saturnalian
Saturnalias
Saturnia
Saturnia regna
Saturnian
Saturnian age
Saturnian meter
Saturnian verse
Saturnicentric
Saturniidae
Saturnine
Saturnus
Satya Yuga
Satyagraha
Satyridae
Satyrinae
Sau
Saucier
Saucy
Saud
Saunder
Saudi
Saudi Arabia
Saudra
Sauer
Sauerbraten
Sauers
Saugatuck
Saugerties
Saugus
Sauk
Sauk Centre
Saukam Khoy
Sauks
Saukville
Saul
Saul of Tarsus
Sauls
Saulsberry
Sault
Sault Sainte Marie
Sault Sainte Marie Canals
Sault whitefish
Saulteur
Saum
Save
Savel Kliachko
Save
Save
Saverton
Savery
Savick
Savil
Savill
Saville
Savina
Savior
Saviour
Savitar
Savitr
Savitt
Savoie
Savona
Savonarola
Savonarolist
Savonburg
Savonnerie
Savory
Savoy
Savoy Alps
Savoyard
Savoyards
Saw
Sawaiori
Sawan
Sawney
Sawtelle
Sawyer
Sawyere
Sawyerville
Sawyor
Sax
Saxapahaw
Saxe
Saxe blue
Saxe-Altenburg
Saxe-Coburg-Gotha
Saxe-Meiningen
Saxe-Weimar-Eisenach
Saxen
Saxena
Saxeville
Saxicava
Saxicola
SbE
SbW
Sbaikian
Sbrinz
Sc
ScB
ScBC
ScBE
ScD
ScM
Scabiosa
Scaean
Scafell Pike
Scala
Scalaria
Scalariidae
Scales
Scalf
Scaliger
Scalops
Scalopus
Scamander
Scamandrius
Scammon
Scand
Scandaroon
Scanderbeg
Scandia
Scandanian
Scandinavia
Scandinavian
Scandinavian Peninsula
Scandinavian Shield
Scandinavianism
Scandix
Scandura
Scania
Scanian
Scanic
Scansores
Scapa Flow
Scaphander
Scaphandridae
Scaphiopodidae
Scaphiopus
Scaphites
Scaphitidae
Scaphopoda
Schells
Scheller
Schelling
Schellingian
Schellingianism
Schellingism
Schellsburg
Schenck
Schenectady
Schenevus
Schenley
Schererville
Scherle
Scherman
Schertz
Scheuchzeria
Scheuchzeriaceae
Scheveningen
Schiaparelli
Schick
Schick test
Schickard
Schiedam
Schiedam schnapps
Schiff
Schiffman
Schifra
Schild
Schilit
Schiller
Schiller Park
Schilling
Schilt
Schindler
Schinica
Schinus
Schipa
Schippers
Schiro
Schisandra
Schisandraceae
Schistocerca
Schistocerca
Schistosoma
Schizaea
Schizaeaceae
Schizanthus
Schizognathae
Schizogregarinae
Schizogregarinida
Schizolaenaceae
Schizomeria
Schizomyces
Schizonerida
Schizoneura
Schizonotus
Schizopetalon
Schizophragma
Schizophyceae
Schizophyllum
Schizophyta
Schizopoda
Schizotrypanum
Schlager
Schlauraffenland
Schlegel
Schleicher
Schleiden
Schleiermacher
Schlenker
Schlesien
Schlesinger
Schlessel
Schlessinger
Schleswig
Schleswig-Holstein
Schley
Schlichter
Schlick
Schlieffen
Schliemann
Schlitz
Schloss
Schloss johannisberger
Schloss vollrads
Schlosser
Schlummerlied
Schluter
Schmalkaldic
Schmaltz profile microscope
Schmeling
Schmeltzer
Schmerz
Schmidt
Schmidt camera
Schmidt telescope
Schmidt-Rottluff
Schmirkse
Schmitt
Schmitz
Schnabel
Schnabelkanne
Schnapp
Schnecksville
Schneider
Schneiderian
Schneiderman
Schnell
Schnitzler
Schnorr
Schnur
Schnurr
Schober
Schoenberg
Schoenburg
Schoenfelder
Schoening
Schoenius
Schoenocaulon
Schoenus
Schofield
Schoharie
Scholastic
Scholasticism
Scholem
Scholz
Schomberger
Schomburgkia
Schonbein
Schonberg
Schonfeld
Schonfield
Schongauer
Schonthal
Schoodic
Schoof
School
School for Scandal, The
School french
School of Law
School of Mind
Schoolcraft
Schoolman
Schools
Schopenhauer
Schopenhauereanism
Schopenhauerian
Schopenhauerism
Schott
Schottky
Schottky noise
Schou
Schouten
Schouten Islands
Schow
Schrader
Schram
Schramke
Schrödinger
Schrödinger equation
Schrebera
Schreck
Schrecklichkeit
Schreib
Schriebe
Schreiber
Schreibman
Schrick
Schriever
Schröder
Schrödinger
Schrödinger atom
Schrödinger equation
Schrödinger theory
Schroeder
Schrödinger
Schroer
Schroth
Schrund
Schubert
Schug
Schuh
Schul
Schulberg
Schule
Schulein
Schulenburg
Schuler
Schulman
Schulter
Schultz
Schulz
Schulze
Sciaenidae
Sciaeniformes
Scian
Scara
Sciaridae
Sciarinae
Scibert
Science and Technology
Scientific
Scientist
Scientology
Scilla
Scillitan
Scillonian
Scilly Islands
Scilly Isles
Scincidae
Scincomorpha
Scincus
Seio
Sciot
Sciota
Scioto
Seipio
Scirophoria
Scirophorion
Seirpus
Scirtopoda
Scisurella
Scissurellidae
Scitaminales
Scitamineae
Scituate
Sciuridae
Sciuromorpha
Sciuropterus
Sciurus
Sclar
Selater
Sclav
Sclavonian
Scleranthaceae
Scleranthus
Scleria
Scleroderma
Sclerodermaceae
Sclerodermata
Sclerodermatales
Scorpiid
Scorpio
Scorpioidea
Scorpion
Scorpiones
Scorpionida
Scorpionidea
Scorpionis
Scorpiurus
Scorpius
Scorzonera
Scot
Scotch
Scotch Blackface
Scotch Gaelic
Scotch Plains
Scotch and soda
Scotch and water
Scotch broom
Scotch broth
Scotch catch
Scotch crocus
Scotch egg
Scotch foursome
Scotch furnace
Scotch hearth
Scotch kisses
Scotch mist
Scotch pancake
Scotch pine
Scotch reel
Scotch rose
Scotch snap
Scotch tape
Scotch terrier
Scotch thistle
Scotch whiskey
Scotch whisky
Scotch woodcock
Scotch-Irish
Scotch-gaelic
Scotch-irish
Scotch-misty
Scotchery
Scotchification
Scotchify
Scotchiness
Scotchman
Scotchness
Scotchwoman
Scotchy
Scoter
Scotia
Scotic
Scotism
Scotist
Scotistic
Scotistical
Scotize
Scotland
Scotland Neck
Scotland Yard
Scotland yard
Scotland yarder
Scotlandwards
Scotney
Scoto-Gaelic
Scoto-alic
Scoto-britannic
Scoto-celtic
Scoto-english
Scoto-irish
Scoto-norman
Scoto-norwegian
Scoto-saxon
Scoto-scandinavian
Scots
Scots Gaelic
Scots Guards
Scots pine
Scotsman
Scotsmen
Scotswoman
Scott
Scott Arniel
Scott Bjugstad
Scott Hoch
Scott connection
Scott-connected
Scottsdale
Scotti
Scotticism
Scotticize
Scottie
Scotties
Scottification
Scottify
Scottish
Scottish Gaelic
Scottish blackface
Scottish deerhound
Scottish rite
Scottish star
Scottish terrier
Scottish-irish
Scottisher
Scottishly
Scottishman
Scottishness
Scottown
Scots
Scottsbluff
Scottsboro
Scottsburg
Scottsdale
Scottsmoor
Scottsville
Scottville
Scotty
Scotus
Scouse
Scout
Scouting
Scoville
Scrabble
Scranton
Scratch
Screens
Sreeven
Scriabin
Scribe
Scribner
Scribners
Scripps
Script
Scripturalism
Scripturalist
Scripturality
Scripturarian
Scripture
Scriptured
Scriptureless
Scripturism
Scripturist
Seyros
Scyth
Scythia
Scythian
Scythian antelope
Scythian lamb
Scythic
Scythize
Scytho-aryan
Scytho-dravidian
Scytho-greek
Scytho-median
Scytonema
Scytonemataceae
Scytopetalaceae
Scytopetalum
Se
Sea Gull, The
Sea Islands
Sea Lord
Sea Scout
Sea of a thousand creases
Sea quadrant
Sea sled
Seaback
Seabee
Seabees
Seabiscuit
Seaborg
Seabrook
Seabrooke
Seabury
Sealcliff
Seaddon
Seaden
Seadon
Seadrift
Seaford
Seafort
Seafortia
Seafowl
Seaghan
Seagirt
Seagoville
Seagram
Seagrave
Seagraves
Seahurst
Seal Beach
Seale
Sealston
Sealy
Sealyham
Sealyham terrier
Seaman
Seamas
Seami
Seamus
Sean
Seana
Seanad ann
Seanor
Searby
Searcy
Searle
Searles
Sears
Searsboro
Searsmont
Searsport
Seasan
Seaside
Season
Seat Pleasant
Seated Scribe
Seaton
Seaton Valley
Seatonville
Seattle
Seaver
Seavey
Seaview
Seavir
Seba
Sebago salmon
Sebastian
Sebastiano
Sebastianthys
Sebastien
Sebastodes
Sebastopol
Sebastopol goose
Sebbie
Sebec
Sebeke
Sebewaing
Secretary of the Interior
Secretary of the Treasury
Secs
Sectary
Secunda
Secundas
Secunderabad
Securifera
Securigera
Security Council
Security council
Seda
Sedaceae
Sedale Threatt
Sedalia
Sedan
Sedang
Sedberry
Sedda
Seddon
Sedecias
Sedentaria
Seder
Sedgemoor
Sedgewake
Sedgewick
Sedgewickville
Sedgewinn
Sedgwick
Sedley
Sedlik
Sedona
Sedrah
Sedrahs
Sedroth
Sedum
See
See of Rome
Seebeck
Seebeck effect
Seed
Seeder
Seedman
Seeger
Seeing Eye dog
Seekerism
Seekonk
Seel
Sein Lwin
Seine
Seine-Maritime
Seine-Saint-Denis
Seine-et-Marne
Seine-et-Oise
Seishin
Seistan
Seiter
Seitz
Seirus
Seiyuhonto
Seiyukai
Sejanus
Sejm
Seka
Sekane
Sekani
Seker
Sekhmet
Sekhwan
Sekiu
Seko
Sekofski
Sekondi
Sekt
Sekyere
Sela
Selachii
Selachoidei
Selachostome
Selachostomi
Selaginaceae
Selaginella
Selaginellaceae
Selago
Selah
Selangor
Selassie
Selbornian
Selby
Selbyville
Selda
Seldan
Selden
Seldon
Seldun
Selective Service System
Semi-belgian
Semi-bessemer
Semi-bohemian
Semi-bolsheviki
Semi-christian
Semi-christianized
Semi-darwinian
Semi-dutch
Semi-empire
Semi-euclidean
Semi-frenchified
Semi-gnostic
Semi-gothic
Semi-jesuit
Semi-judaizer
Semi-manichaeanism
Semi-norman
Semi-patriot
Semi-pelagian
Semi-pelagianism
Semi-pythagorean
Semi-romanism
Semi-romanized
Semi-russian
Semi-sadducee
Semi-sadduceeism
Semi-sadducism
Semi-saxon
Semi-slav
Semi-southern
Semi-tatar
Semi-tory
Semi-tychonic
Semi-zionism
Semiahmoo
Semillon
Seminole
Seminoles
Semionotidae
Semionotus
Semipalatinsk
Semiramis
Semiramize
Semitic
dSemitic deities
Semitic deity
Semitic
Semiticize
Semitico-hamitic
Semitics
Semitism
Semitist
Semitization
Semitize
Semito-Hamitic
Semito-hamite
Semito-hamitic
Semmes
Semnae
Semnones
Semnopithecinae
Semnopithecus
Semo Sancus
Semo sancus
Semon Knudsen
Semora
Semostomae
Sempach
Sempervivum
Sen
Sen-tamil
Sena
Senaah
Senalda
Senate
Senath
Senatobia
Senci
Sendai
Sender
Seneca
Seneca Falls
Seneca Lake
Seneca grass
Seneca snakeroot
Senecal
Senecan
Senecan tragedy
Senecaville
Senecio
Senefelder
Senegal
Senegalese
Senegambia
Senegambian
Seney
Senghor
Senhauser
Senijextee
Senior
Senlac
Senn
Senna
Senna knot
Sennacherib
Sennadiy Zakhorov
Sennar
Sennett
Senoia
Senones
Senonian
Senora
Sense and Sensibility
Sension
Sensitol green
Senskell
Sentinel
Senusi
Sensusian
Sensus
Sensusim
Senussi
Senussian
Senussism
Senzer
Seo de Urgel
Seoul
Seow
Sep
Separatist
Sepharad
Sephardi
Sephardic
Sephardim
Sepharvites
Sepher Torah
Sepher Torahs
Sephira
Sephora
Sepiidae
Sepioidea
Sepiola
Sepiolidae
Sepoy
Sepoy Mutiny
Sepoy Rebellion
Seppala
Sepsidae
Sept
September
September Massacre
September elm
Septemberer
Septemberism
Septemberist
Septembral
Septembrian
Septembrist
Septembrize
Septembrizer
Septentrio
Septentrion
Septi
Septibranchia
Septibranchiata
Septima
Septmoncel
Septobasidium
Septocylindrium
Septogloeum
Septoria
Septuagesima
Septuagesima Sunday
Septuagint
Septuagintal
Sepulveda
Sequan
Sequani
Sequanian
Sequatchie
Sequim
Sequoia
Sequoia National Park
Sequoya
Sequoyah
Sera
Serabend
Serafin
Serafina
Serafine
Serajevo
Serpentarii
Serpentarius
Serpentes
Serpentian
Serpentid
Serpentinian
Serpentis
Serphidae
Serphoidea
Serpollet type
Serpukhov
Serpula
Serpulae
Serpulidae
Serra
Serra da Estrela
Serranidae
Serrano
Serranus
Serrasalmo
Serratia
Serrell
Serricornia
Serridentines
Serridentinus
Serrifera
Sert
Sertorius
Sertularia
Sertulariidae
Serva Padrona La
Servais
Server
Servetian
Servetianism
Servetnick
Servetus
Servia
Servian
Service
Servidor
Servite
Servius
Servius Tullius
Servo-croat
Servo-croatian
Sesamum
Sesban
Sesbania
Seseli
Seshat
Sesia
Sesiidae
Sesostris
Sesotho
Sesser
Sesshu
Sessiliventres
Sessions
Sessler
Sessrymnir
Sestian
Sestos
Sesuto
Sesuvinium
Set
Seta
Setaria
Setbal
Seth
Sethi
Sethian
Sethic
Sethite
Sethrida
Setibo
Setifera
Seto
Seto Naikai
Seto ware
Seton
Setophaga
Setophaginae
Settera
Settle
Setubal
Seumas
Seung-hwa Chung
Seurat
Seuss
Sev
Sevan
Sevastopol
Seve
Seve Ballesteros
Seven Cities of Cibola
Seven Hills
Seven Hills of Rome
Seven Sages
Seven Seas
Seven Sisters
Seven That Were Hanged
Seven Weeks' War
Seven Wise Masters
Seven Wise Men of Greece
Seven Wonders of the World
Seven Years' War
Seven against Thebes
Sevener
Sevenmile
Seventh Avenue
Seventh-Day Adventist
Seventy
Severance
Severen
Severian
Severin
Severini
Severinus
Severn
Severnaya Zemlya
Severo
Seversky
Severson
Severus
Severy
Sevierville
Sevigne
Sevik
Seville
Seville orange
Sevillian
Sevres ware
Sewanee
Seward
Seward Peninsula
Seward's Day
Seware
Sewel
Sewell
Sewellyn
Sewickley
Sewole
Sewoll
Sexagesima
Sexagesima Sunday
Sexagesima sunday
Sextans
Sextant
Sextantis
Sextilis
Sexton
Sextonville
Sextus
Seychelles
Seyfert galaxy
Seyhan
Seyler
Seymeria
Seymour
Seys
Seysssel
Sezen
Sezession
Sfax
Sfc
Sforza
Sgad
Sgt
Sgt Maj
Shaba
Shaban
Shabbas
Shabbas goy
Shabbat
Shabbath
Shabbir
Shabonna
Shabuoth
Shacharith
Shacklefords
Shackleton
Shadai
Shaddock
Shadow
Shadrach
Shadwell
Shadydale
Shadyside
Shae
Shaefer
Shaeffer
Shaer
Shafer
Shaff
Shaffer
Shaffert
Shafiite
Shafter
Shaftesbury
Shaftburg
Shaftsbury
Shagia
Shah
Shah Jahan
Shah Jehan
Shahada
Shahansha
Shahaptian
Shahaptians
Shaharist
Shahjahanpur
Shahpour Bakhtiar
Shaia
Shaigia
Shaikh
Shaikiyeh
Shaina
Shaine
Shaitan
Shaiva
Shaivism
Shaivite Hinduism
Shak
Shaka
Shaker
Shaker Heights
Shaker flannel
Shakerdom
Shakeress
Shakerism
Shakerlike
Shakers
Shakespeare
Shakespeare-Bacon controversy
Shakespearean
Shakespearean sonnet
Shakespeareana
Shakespeareanism
Shakespeareanly
Shakespearian
Shakespearianism
Shakespearize
Shakespearolater
Shakespearolatry
Shakhty
Shakopee
Shaks
Shakspere
Shaksperian
Shaksperianism
Shakta
Shakti
Shaktism
Shakuntala
Shakyanuni
Shala
Shalako
Shalako dancer
Shalimar
Shallotte
Shallowater
Shalmaneser III
Shalna
Shalne
Shalom
Sham
Shama
Shamash
Shambala
Shambaugh
Shambu
Shamma
Shammai
Shammar
Shamo
Shamokin
Shamrao
Shamrock
Shamus
Shan
Shan State
Shana
Shanahan
Shanan
Shanda
Shandaken
Shandean
Shandee
Shandeigh
Shandie
Shandon
Shandra
Shandy
Shandyism
Shane
Shaner
Shang
Shang-ti
Shangaan
Shangalla
Shanghai
Shango
Shangri-la
Shani
Shanie
Shaniko
Shank
Shankar
Shankara
Shankaracharya
Shanks
Shanksville
Shanleigh
Shanley
Shanly
Shanna
Shannah
Shannan
Shannen
Shanney
Shannock
Shannon
Shannontown
Shanon
Shansi
Shanta
Shantee
Shantha
Shantow
Shantung
Shape
Shaper
Shapiro
Shapleigh
Shapley
Shaptan
Shara
Sharaf
Sharai
Sharaku
Sharas
Shardana
Sharet
Sharezer
Shargel
Shari
Sharia
Sharira
Sharity
Sharl
Sharla
Sharleen
Sharlene
Sharline
Sharma
Sharman
Sharon
Sharon Hill
Sharon West
Sharona
Sharonville
Sharos
Sharp
Sharpe
Sharpes
Sharple
Sharps
Sharpsburg
Sharpsville
Sharptown
Sharra
Sharras
Sharrie
Sharron
Shartlesville
Sharunas Marchulenis
Sharyl
Sharyn
Shasta
Shasta cypress
Shasta daisy
Shastan
Shatt-al-Arab
Shattuc
Shattuck
Shattuckville
Shatzer
Shauck
Shaughn
Shaughnessy
Shaula
Shaum
Shaun
Shauna
Shaver
Shavese
Shavian
Shaviana
Shavianism
Shavuot
Shavuoth
Shaw
Shawnee
Shawanese
Shawano
Shawboro
Shawmut
Shawn
Shawna
Shawnee
Shawneetown
Shawon Dunston
Shawsville
Shawver truss
Shawville
Shawwal
Shay
Shaya
Shayla
Shaylah
Shaylyn
Shaylynn
Shayn
Shayna
Shayne
Shays
Shays' Rebellion
Shaysite
Shazar
Shcheglovsk
Shcherbakov
She Stoops to Conquer
She-greek
Shea
Sheaff
Sheakleyville
Shear
Shearer
Sheba
Shebat
Sheboygan
Shechem
Shechemites
Shechina
Shechinah
Shedd
Shedir
Sheds
Sheeb
Sheedy
Sheehan
Sheela
Sheelagh
Sheelah
Sheeler
Sheen
Sheena
Sheene
Sheepshanks
Sheeran
Sheeree
Sheerness
Sheetrock
Sheets
Sheff
Sheffie
Sheffield
Sheffield Lake
Sheffield plate
Sheffy
Shehab
Sheik Abdul Karim Obeid
Sheik Hassan Bey Salameh
Sheikh ul islam
Sheila
Sheila-Kathryn
Sheilah
Sheitan
Shekinah
Shel
Shela
Shelagh
Shelah
Shelba
Shelbi
Shelbiana
Shelbina
Shelburn
Shelburne
Shelby
Shelbyville
Sheldahl
Shelden
Sheldon
Sheldonville
Shelepin
Sheley
Shelia
Sheline
Shell
Shellans
Shelley
Shelleyan
Shelleyana
Shelli
Shellian
Shellie
Shellman
Shellsburg
Shelly
Shelman
Shelocta
Shelta
Shelton
Shelyak
Shem
Shema
Shemaka
Shembe
Shemite
Shemitic
Shemitish
Shemonerh Esreh
Shemu
Shen
Shena
Shenan
Shenandoah
Shenandoah National Park
Sheng
Shenshai
Shensi
Shenstone
Shensi
Shenyang
Sheol
Shep
Shepard
Shepard king
Shepardsville
Shepherd
Shepherd King
Shepherdia
Shepherdstown
Shepherdsville
Shepley
Sheply
Shepp
Sheppard
Sheppard's adjustment
Shepperd
Shepton
Sher
Sherani
Sherar
Sherard
Sherardia
Sheraton
Sheraton
Sherborn
Sherborne
Sherbrooke
Sherburn
Sherburne
Shere
Sheree
Sherer
Shererd
Sherfield
Sheri
Sheridan
Sherie
Sherill
Sherilyn
Sheringham daylight lamp
Sheriyat
Sherj
Sherl
Sherley
Sherline
Sherlock
Sherlock Holmes
Sherlocke
Sherm
Sherman
Sherman Antitrust Act
Shermie
Shermy
Sherod
Sherourd
Sherpa
Sherr
Sherramoor
Sherrard
Sherrer
Sherri
Sherrie
Sherrill
Sherrington
Sherris
Sherrod
Sherrodsville
Sherry
Sherrymoor
Shertok
Sherurd
Sherwin
Sherwood
Sherwood Forest
Sherwynd
Sherye
Sheryl
Sheryle
Shesha
Shetland
Shetland Islander
Shetland Islands
Shetland lace
Shetland pony
Shetland sheep dog
Shetland sheepdog
Shetland wool
Shetlander
Shetlandic
Shimberg
Shimei
Shimkus
Shimon Peres
Shimonoseki
Shin
Shin Buddhism
Shin-shu
Shina
Shinar
Shinarump conglomerate
Shinberg
Shiner
Shing
Shingen tsuba
Shingishu
Shingleton
Shingletown
Shingon Buddhism
Shingon-shu
Shinhopple
Shinichiro
Shinnecock
Shinnston
Shintaro Abe
Shinto
Shintoi
Shintoist
Shintoistic
Shintoize
Shinwari
Shiocton
Shipka Pass
Shipley
Shipman
Shipp
Shippee
Shippensburg
Shippenville
Shipshewana
Shir
Shira
Shirah
Shiraz
Shirberg
Shire
Shire horse
Shiri
Shriver
Shropshire
Shropshire Lad, A
Shrove
Shrove Monday
Shrove Sunday
Shrove Tuesday
Shrove cake
Shrovetide
Shtokavski
Shu
Shubert
Shubuta
Shue
Shufu
Shug Mcghaughey
Shugart
Shuha
Shuhali
Shukria
Shukulumbwe
Shulamite
Shulamith
Shulem
Shuler
Shulerville
Shulins
Shull
Shullsburg
Shulman
Shulock
Shult
Shultz
Shum
Shuma
Shuman
Shumway
Shunammite
Shunk
Shuping
Shuqualak
Shurlock
Shurlocke
Shurwood
Shushan
Shuswap
Shute
Shutesbury
Shutz
Shuzo
Shwalb
Shyamal
Shylock
Shylockism
Si
Si Kiang
Sia
Siad Barre
Siah posh
Sialia
Sialidae
Sialis
Sialkot
Siam
Siamese
Siamese cat
Siamese fighting fish
Siamese twins
Sian
Siana
Siang
Siangtan
Sianna
Sias
Sib
Sibaldus
Sibbie
Sibby
Sibéal
Sibel
Sibélius
Sibell
Sibella
Sibelle
Siber
Siberia
Siberian
Siberian Husky
Siberian crab apple
Siberian high
Siberian husky
Siberian larkspur
Siberian ruby
Siberian tiger
Siberian wallflower
Siberian-americanoid
Siberic
Siberson
Sibie
Sibilla
Sibiric
Sibiu
Sible
Siblee
Sibley
Sibley tent
Sibyl
Sibylla
Sibylle
Sibylline Books
Sibyls
Sic
Sicambri
Sicambrian
Sicana
Sicani
Sicanian
Sicard
Sicel
Siceliot
Sices
Sichuan
Sicilia
Sicilian
Sicilian Vespers
Sicilian umber
Sicilianism
Sicilies Two
Sicilo-norman
Sicily
Sickert
Sicklerville
Siclari
Sicular
Siculi
Siculian
Siculo-arabian
Siculo-moresque
Siculo-norman
Siculo-phoenician
Siculo-punic
Sicyon
Sicyonian
Sicyonic
Sicyos
Sid
Sida
Sidalcea
Siddha
Siddhanta
Siddhartha
Siddhi
Siddon
Siddons
Siddra
Sidell
Sidera lodoicea
Sideritis
Sideroxylon
Sidewinder
Sidgwick
Sidhu
Sidi Ifni
Sidi-bel-Abb
Sidky
Sidman
Sidnaw
Sidnee
Sidney
Sidney Moncrief
Sidoma
Sidon
Sidoney
Sidonia
Sidonian
Sidonie
Sidonius
Sidonne
Sidoon
Sidra
Sidrach
Sidrah
Sidrahs
Sidran
Sidras
Sidroth
Sidur
Sidwel
Sidwell
Sidwohl
Sieber
Sieg
Sieg Heil
Siegbahn
Siege Perilous
Siegel
Siegfried
Siegfried line
Sieger
Sieglinda
Sieglingia
Siegmund
Sielen
Siemens
Siemreap
Sien-pi
Siena
Sienese
Sienese school
Sienkiewicz
Sieper
Siepi
Sieracki
Sierra
Sierra Bia
Sierra Club
Sierra Leone
Sierra Madre
Sierra Morena
Sierra Nevada
Sierra lily
Sierraville
Siesser
Sieur
Sieva
Sievers
Sieversia
Sievert
Siey
Sif
Sifatite
Siffre
Sifnos
Sifrei Torah
Sig
Siganidae
Siganus
Sigaultian
Sigel
Sigfrid
Sigfried
Siggeir
Sigillaria
Sigillariaceae
Sigismond
Sigismondo
Sigismundo
Sigler
Sigma
Sigma 7
Sigmodontes
Sigmund
Sign up
Signac
Signal Hill
Signal Mountain
Signe
Signor
Signora
Signorelli
Signy
Sigourney
Sigrid
Sigsbee
Sigsmund
Sigurd
Sivyard
Sigyn
Sihanouk
Sahasapa
Sihon
Sihonn
Sihun
Sihunn
Sik
Sika
Sikandarabad
Sikang
Sikata
Sikes
Sikeston
Sikh
Sikhism
Siking
Sikinnis
Sikkim
Sikkimese
Sinclair
Sinclairville
Sinclare
Sind
Sindbad the Sailor
Sindee
Sindhi
Sine
Sinegold
Sinesian
Sinfiotli
Sinfjotli
Sing Sing
Singan
Singapore
Singband
Singer
Singfo
Singh
Singhal
Singhalese
Singleton
Singpho
Singsing
Singspiel
Sinhailien
Sinhalese
Sinian
Sinic
Sinicism
Sinicization
Sinicize
Sinicized
Sinicizing
Sinico
Sinico-japanese
Sinification
Sinified
Sinify
Sinifying
Sinju
Sining
Sinis
Sinisian
Sinism
Sinite
Sinitic
Sink
Sinkiang
Sinkuuse
Sinn Fein
Sinn Feiner
Sinn Feinism
Sinn fein
Sinn feiner
Sinn feinism
Sinnamahoning
Sinnard
Sinningia
Sino-
Sino-Japanese War
Sino-Tibetan
Sino-american
Sino-belgian
Sino-german
Sino-japanese
Sino-mongol
Sino-russian
Sino-soviet
Sino-tibetan
Sinogram
Sinolog
Sinologer
Sinological
Sinologist
Sinologue
Sinology
Sinon
Sinonism
Sinophile
Sinophilism
Sinophobia
Sinopic
Sinsiga
Sinsinawa
Sint Maarten
Sinto
Sintoism
Sintoist
Sinton
Sintsink
Sintu
Sinuiju
Sinupallia
Sinupallialia
Sinupalliata
Sinus
Sinus Aestuum
Sinus Astronautarum
Sinus Medii
Sinus Meridianii
Sinus of Valsalva
Siobhan
Sion
Sionite
Siouan
Sioux
Siouxie
Sipesville
Siphnos
Siphonales
Siphonaptera
Siphonaria
Siphonariidae
Siphonata
Siphoneae
Siphoniata
Siphonifera
Siphonobranchiata
Siphonocladales
Siphonocladiales
Siphonogama
Siphonognathidae
Siphonognathus
Siphonophora
Siphonostoma
Siphonostomata
Siphrei Torah
Siphunculata
Sipibo
Siple
Sippar
Sipple
Sippy diet
Sippy regimen
Sipsey
Sipunculacea
Sipunculida
Sipunculoidea
Sipunculus
Siqueiros
Sir
Sir Alex Cadogan
Sir Francis Chichester
Sir Galahad
Sir Gawain and the Green Knight
Sir John Mandeville
Sir Oliver Gootnetilleke
Sir Roger de Coverley
Sir Roger de Coverly
Sir John
Sir rag
Sirach
Siracusa
Siraj-ud-daula
Siredon
Siren
Sirena
Sirenia
Sirenidae
Sirenoidea
Sirenoidei
Sirenum
Siret
Sirian
Sirianian
Siricidae
Siricus
Siricoidea
Sirikit Kitiyakorn
Sirimavo
Sirione
Sirius
Sirkin
Sirmian
Sirmons
Sirmuellera
Siros
Sirotek
Sirsalis
Sirte
Siryan
Sis
Sisak
Sisco
Sisely
Sisera
Sisile
Sisinnius
Siskind
Sisley
Sismondi
Sisouk Na Champassak
Sissel
Sisseton
Sissie
Sisson
Sissu
Sissy
Sistani
Sister
Sister of Charity
Sister of Loretto
Sister of Mercy
Sister of Providence
Sisters
Sistersville
Sistine
Sistine Chapel
Sistine Madonna
Sisto
Sistrurus
Sisymbrium
Sisyphian
Sisyphic
Sisyphic labor
Sisyphic task
Sisyphic toil
Sisyphius
Sisyphides
Sisyphism
Sisyphist
Sisyphus
Sisyrinchium
Sita
Sitarski
Sitole
Sitka
Sitka cypress
Sitka spruce
Sitkan
Sitnik
Sitophilus
Sitra
Sitsang
Sitta
Sitter
Sittidae
Sittinae
Sitting Bull
Sitwell
Siubhan
Sium
Siuan
Siusi
Siuslaw
Siva
Sivaism
Sivaist
Sivaistic
Sivaite
Sivan
Sivapithecus
Sivas
Sivatheriidae
Sivatheriinae
Sivatherium
Sivia
Sivie
Siwan
Siward
Siwash
Six
Six Counties
Six Day War
Six Nations
Six-principle baptist
Sixes
Sixmile
Sixtine
Sixtowns
Sixtus
Sixtus III
Sixtus IV
Sixtus V
Sjaelland
Sjenicki
Sjland
Sjoberg
Skagen
Skagerrak
Skagway
Skamokawa
Skanda
Skandia
Skaneateles
Skanee
Skantze
Skara Brae
Skardol
Skat
Skaw
Skeat
Skee-Ball
Skees
Skeie
Skel
Skelly
Skellytown
Skelmersdale
Skelton
Skeltonian
Skeltonic
Skeltonical
Skeltonics
Skene
Skerl
Sketch Book, The
Sketches of a Sportsman
Skew curve
Skiatook
Skiba
Skidi
Skidmore
Skien
Skier
Skiest
Skikda
Skilken
Skill
Skillern
Skillman
Skimmia
Skimo
Skimobile
Skimos
Skin of Our Teeth, The
Skinner
Skinner box
Skinnerian psychology
Skip
Skipetar
Skipp
Skippack
Skipper
Skippers
Skipperville
Skippie
Skippy
Skipton
Skipwith
Skirnir
Skirophoria
Skitswish
Skittaget
Skittagetan
Skivvies
Skkvabekk
Sklar
Skodaic
Skoinolon
Skokie
Skokomish
Skolnik
Skopets
Skopje
Skoplje
Skowhegan
Skricki
Skros
Skrymir
Skt
Skuld
Skupshtina
Skurnik
Skutari
Skutchan
Skvorak
Sky
Skybolt
Skye
Skye terrier
Skykomish
Skyla
Skylab
Skyland
Skylar
Skyler
Skyros
Sl
Slaby
Slack
Slade
Sladen
Slagle
Slavonism
Slavonization
Slavonize
Slavophil
Slavophile
Slavophilism
Slavophobe
Slavophobia
Slavophobist
Slayden
Slayton
Sidney
Sleb
Sleep
Sleepers
Sleepy Eye
Sleepy Hollow chair
Sleepyeye
Sleipnir
Slemmer
Slemp
Slesvig
Sleswick
Sletten
Slezsko
Slickville
Slide Mountain
Slidell
Slifka
Sligo
Slim
Slinger
Slinkman
Slipcote
Slippery Rock
Sliwa
Sloan
Sloane
Sloanea
Sloansville
Sloatman
Sloatsburg
Slobodan Zivojinovic
Slocomb
Slocum
Sloppy Joe
Sloppy Joe's
Slosberg
Slotnick
Slough
Slough of Despond
Sloughhouse
Slovak
Slovakia
Slovakian
Slovakish
Slovan
Slovene
Slovenia
Slovenian
Slovenish
Slovensko
Slovintzi
Sluiter
Slump
Sly
Slyke
Sm
Smackover
Smail
Smalcaldian
Smalcaldic
Small
Small Business
Small Business Administration
Small-endian
Smallens
Smallley
Smallman
Smallwood
Smarr
Smart
Smartt
Smartville
Smeaton
Smectymnuan
Smectymnuus
Smedley
Smelterville
Smetana
Smethport
Smethwick
Smicksburg
Smiga
Smilaceae
Smilaceae
Smyrna
Smyrna fig
Smyrnaite
Smyrnean
Smyrniot
Smyrniote
Smyth sewing
Smythe
Sn
Snake River
Snaky-footed
Snapp
Snark
Snaishall
Sneads
Sneed
Sneedville
Snefru
Snell
Snell's law
Snelling
Snellius
Snellville
Snemovna
Sngerfest
Snider
Sno-Cat
Snoddy
Snodgrass
Snohomish
Snonowas
Snook
Snoqualmie
Snoqualmie Falls
Snoquamish
Snorri Sturluson
Snover
Snow
Snowball
Snowber
Snowdon
Snowdonia
Snowdonian
Snowman
Snowmass
Snows of Kilimanjaro, The
Snowville
Snowy Mountains
Snowy River
Snr
Snyder
Snydersburg
So
Soane
Soares
Sobel
Sober
Soble
Sobor
Sobralia
Sobranje
Soc
Socha
Soche
Socher
Sochi
Sochor
Social Credit
Social Democratic Party
Social Democratic party
Social Development Commission
Social Register
Social War
Social crediters
Sociales
Socialist International
Socialist Labor Party
Socialist Party
Socialist Republic of Vietnam
Socialist Workers Party
Societe
Society Islands
Society men
Society of Friends
Society of Jesus
Society people
Socinian
Socinianism
Socinianistic
Socinianize
Socinus
Socorro
Socotra
Socotran
Socotri
Socotine
Socratean
Socrates
Socratic
Socratic induction
Socratic irony
Socratic method
Socratical
Socratically
Socraticism
Socratism
Socratist
Socratize
Socred
Soddy
Sodium Pentothal
Sodom
Sodoma II
Sodomist
Sodomite
Sodomish
Sodus
Soekarno
Soelch
Soemba
Soembawa
Soenda Islands
Soenda Strait
Soerabaja
Sofer
Sofia
Sofie
Sofiya
Solko
Sofronia
Soga
Sogdian
Sogdiana
Sogdianese
Sogdianian
Sogoite
Soho
Soho Square
Sohrab and Rustum
Soiesette
Soinski
Soissons
Soja
Soka Gakkai Buddhism
Sokil
Sokoki
Sokoto
Sokotra
Sokotri
Sokul
Sokulk
Sol
Sola
Solana
Solanaceae
Solanales
Solange
Solanine-s
Solano
Solanum
Solarium
Solberg
Soldan
Soldanella
Sole marguary
Solea
Solebury
Soledad
Soleidae
Solemn League and Covenant
Solemn Mass
Solen
Solenidae
Solenne
Solenococoncha
Solenodon
Solenodontidae
Solenogastres
Solenoglypha
Solenopsis
Solenostomidae
Solenostomus
Solent
Solera
Soleure
Solférior
Solgohachia
Solicitor General
Solicitor Supreme Court
Solid South
Solidago
Solidungula
Solifugae
Solihull
Solim
Soliman
Soliman I
Solimena
Solimoes
Solingen
Solio
Solis
Solis lacus
Solita
Solitta
Soll
Sollars
Solley
Sollie
Sollows
Solly
Sollya
Sollit
Solo
Solo man
Soloma
Soloman
Solomon
Solomon Islands
Solomon Islands Pidgin
Solomon's lily
Solomon's seal
Solomonian
Solomonic
Solomonical
Solomonic
Solomons
Solon
Solonian
Solonic
Solothurn
Solpugida
Solpugidea
Solpugides
Solr
Solresol
Solsberry
Solsville
Soldt
Soluk
Solutrean
Solvang
Solvay
Solvay process
Solway
Solway Firth
Solyma
Solymaean
Solyman
Solyman I
Solymi
Solzhenisyn
Som
Soma
Somal
Somali
Somali Democratic Republic
Somali current
Somalia
Somalian
Somaliland
Somaliland Protectorate
Somaschian
Somateria
Somborski
Somerdale
Somers
Somers Point
Somerset
Somersetian
Somersetshire
Somersville
Somersworth
Somerton
Somerville
Somis
Somlo
Somme
Somme River
Sommer
Sommerfeld
Sommering
Sommers
Somi
Sомнiorum
Somniosus
Somnus
Somonauk
Somoza
Son
Son of David
Son of God
Son of Man
Sonchus
Sonderbund
Sondergotter
Sondheim
Sondheimer
Sondra
Sondylomorum
Soneson
Sonette an Orpheus
Song
Song Koi
Song of Solomon
Song of Solomon, The
Song of Songs
Song of the Three Children
Songhai
Songish
Songka
Songo
Songoi
Songs of Experience
Songs of Innocence
Soni
Sonia
Sonja
Sonneratia
Sonneratiaceae
Sonnet from the Portuguese
Sonnets to Orpheus
Sonni
Sonnie
Sonnnie
Sonny
Sonoita
Sonoma
Sonoma Valley
Sonora
Sonora lac
Sonoran
Sonrai
Sons and Lovers
Sons of Freedom
Sons of God
Sons of Liberty
Sonstrom
Sontag
Sontich
Sony
Sonya
Sonya Klopfer
Sonyea
Soo
Soo Canals
Soochow
Sooke
Sooner
Sooner State
Soong
Soorah
Soot
Sopchoppy
Soper
Soperton
Soph
Sophar
Sopher
Sopheric
Sopherim
Sophey
Sophi
Sophia
Sophian
Sophie
Sophies
Sophism
Sophist
Sophistress
Sophistry
Sophclean
Sophclean tragedy
Sophocles
Sophora
Sophronia
Sophy
Soquel
Sorabian
Soracco
Sorata
Soraya
Soraya Kashoggi
Soraya Khashoggi
Sorb
Sorbaïs
Sorbaria
Sorbian
Sorbish
Sorbonic
Sorbonical
Sorbonist
Sorbonne
Sorbus
Sorce
Sorcha
Sorci
Sorcim
Sordaria
Sordariaceae
Sordello
Sorel
Soren
Sorensen
Sorenson
Sorento
Sorex
Sorghum
Soricidae
Soricinae
Soricoidea
Sorilda
Sorkin
Sorocaba
Sorokin
Soroptimist
Soroptimist club
Sorosporella
Sorosporium
Sorrentine
Sorrento
Sorrows
Sorrows of Werther
Sorrows of Werther, The
Sosanna
Sosia
Sosigenes
Sosna
Sosnowiec
Soso
Sospita
Sosthena
Sosthenna
Sosthina
Sosva vogul
Sotadean
Sotadic
Soter
Soteres
Sothena
Sothiac
Sothiacal
Sothic
Sothic cycle
Sothic period
Sothic year
Sothis
Sotho
Sotik
Sotiris
Sotos
Sou
Soubise
Souchong
Soudan
Soudanese
Souder
Soudersburg
Souderton
Soufflot
Soufri
Soufriere
Souhegan
Soul
Soul Principle
Soule
Souletin
Soulier
Soulier de Satin, Le
Soulmass
Soulmass day
Soulsbyville
Soult
Soumaintrin
Soumak rug
Sound
Sound and the Fury, The
Soupbanourong
Sour
Souris
Sousa
Soustelle
Sousuke Uno
South
South Africa
South African
South African Dutch
South African jade
South Amboy
South America
South American trypanosomiasis
South Arabia
South Australia
South Australian
South Beloit
South Bend
South Boston
South Bound Brook
South Carolina
South China Sea
South Coventry
South Dakota
South Downs
South Elgin
South Euclid
South Farmingdale
South Frigid Zone
South Fulton
South Gate
South Georgia
South Georgian
South Glamorgan
South Glens Falls
South Greensburg
South Holland
South Island
South Korea
South Orkney Islands
South Ossetian Autonomous Region
South Platte
South Pole
South Saskatchewan
South Sea Bubble
South Sea Islander
South Sea Islands
South Seas
South Shetland Islands
South Shields
South Tyrol
South Vietnam
South Yemen
South Yorkshire
South african
South american
South arabic
South carolinian
South dakotan
South devon
South sea islander
South slavs
South temperate zone
South-West Africa
South-West African
Southampton
Southampton Island
Southard
Southbridge
Southcottian
Southdown
Southeast
Southeast Asia
Southeast Asian War
Southend-on-Sea
Southern
Southern Alps
Southern British English
Southern Bug
Southern Cameroons
Southern Coalsack
Southern Cross
Southern Crown
Southern Democrat
Southern Ireland
Southern Lights
Southern Paiute
Southern Pines
Southern Rhodesia
Southern Rhodesian
Southern Sea
Southern Slavs
Southern Sotho
Southern Sporades
Southern Uplands
Southern Yemen
Southerner
Southey
Southfield
Southgate
Southington
Southmont
Southport
Southron
Southronie
Southumbrian
Southwark
Southwest
Southwest Greensburg
Southwesterner
Southworth
Soutine
Soutor
Souvaine
Souza
Sovereign of the Seas
Sovereign's Birthday
Sovetsk
Soviet
Soviet Central Asia
Soviet Mountains
Soviet Range
Soviet Ridge
Soviet Russia
Soviet Union
Soviet Zone
Soviet of Nationalities
Soviet of the Union
Sovietisation
Sovietise
Sovietised
Sovietising
Sovietism
Sovietization
Soviets
Sowell
Sower
Soweto
Soxhlet
Soyinka
Soyot
Soyuz
Sp
SpEd
Spa
Spaak
Spaatz
Space Age
Spackle
Spada
Spaerobee
Spagnuoli
Spain
Spalacidae
Spalato
Spalax
Spalding
Spalla
Spallanzani
Spam
Span
Spanaway
S Pancake
Spandau
Spangler
Spaniard
Spaniardization
Spaniardize
Spaniardo
Spaniol
Spaniolate
Spanioli
Spaniolize
Spanish
Spanish America
Spanish Armada
Spanish Civil War
Spanish Guinea
Spanish Inquisition
Spanish Main
Spanish Morocco
Spanish Sahara
Spanish Tragedy, The
Spanish West Africa
Spanish american
Spanish bayonet
Spanish bluebell
Spanish burton
Spanish button
Spanish cedar
Spanish dagger
Spanish fly
Spanish foot
Spanish green
Spanish grippe
Spanish guitar
Spanish heel
Spanish iris
Spanish jacinth
Spanish jasmine
Spanish lime
Spanish mackerel
Spanish moss
Spanish needles
Spanish ocher
Spanish omelette
Spanish onion
Spanish oyster plant
Spanish paprika
Spanish plum
Spanish pox
Spanish rice
Spanish topaz
Spanish trefoil
Spanish walnut
Spanish windlass
Spanish wine
Spanish yellow
Spanish-American
Spanish-American War
Spanish-arab
Spanish-arabic
Spanish-barreled
Spanish-born
Spanish-bred
Spanish-brown
Spanish-built
Spanish-flesh
Spanish-indian
Spanish-looking
Spanish-ocher
Spanish-phoenician
Spanish-portuguese
Spanish-red
Spanish-speaking
Spanish-style
Spanish-top
Spanish-walnut oil
Spanishburg
Spanishize
Spanishly
Spanjian
Spatangina
Spatangoida
Spatangoidea
Spatangus
Spathiflorae
Spathyema
Spatola
Spatula
Spaz
Spaulding
Spavinaw
Speaker
Speaker of the House
Speaks
Spear
Spearfish
Spearling
Spearman
Spears
Spearsville
Spearville
Specht
Special Branch
Special Forces
Species hamburgenses
Spectator
Spector
Specularia
Speculator
Spee
Speed wagon
Speedway
Speedwriting
Speer
Speicher
Speight
Spelaïtes
Spellman
Spelter
Spenard
Spenborough
Spence
Spencean
Spencer
Spencer Gulf
Spencerian
Spencerian writing
Spencerianism
Sphaerococcaceae
Sphaerococcus
Sphaeroma
Sphaeromidae
Sphaerophoraceae
Sphaerophorus
Sphaeropsidaceae
Sphaeropsidales
Sphaeropsis
Sphaerostilbe
Sphaerotheca
Sphaerotilus
Sphagnaceae
Sphagnales
Sphagnum
Sphakiot
Sphargis
Sphecidae
Sphecina
Sphecoidea
Sphegidae
Sphegoidea
Sphenisci
Spheniscidae
Sphenisciformes
Spheniscomorphae
Spheniscus
Sphenodon
Sphenodontia
Sphenodontidae
Sphenophorus
Sphenophyllaceae
Sphenophyllales
Sphenophyllum
Sphenopteris
Sphecoidea
Sphecoidea
Sphincter
Sphinctidae
Sphinctus
Sphingidae
Sphingidae
Sphingurinae
Sphingurus
Sphinx
Sphoeroides
Sphyraena
Sphyraenidae
Sphyraenidae
Sphyrapicus
Sphyra
Sphyrmidae
Spica
Spicaria
Spice Islands
Spiceland
Spicer
Spicewood
Spickard
Spiegel
Spiegelman
Spiegelman
Spieler
Spielman
Spiers
Spigelia
Spigeliaceae
Spigelian
Spike
Spilanthes
Spiller
Spillville
Spilogale
Spinacia
Spindale
Spindell
Spingarn
Spinifex
Spinnerstown
Spinoza
Spinozism
Spinozist
Spinozistic
Spinulosa
Spionidae
Spioniformia
Spiraea
Spiraeaceae
Spiranthes
Spires
Spirifer
Spirifera
Spiriferacea
Spiriferidae
Spirillaceae
Spirit
Spirit Lake
Spirit Wrestler
Spirit of Laws, The
Spiritus Mundi
Spongiozoa
Spongospora
Spontini
Spooner
Spoor
Sporades
Sporangites
Sporer
Sporobolus
Sporochnaceae
Sporocnus
Sporotrichum
Sporozoa
Sportsman's Notebook, A
Sposi
Spotswood
Spotsylvania
Spotted Poland China
Spottsville
Spottswood
Spracklen
Sprage
Spragens
Spraggs
Sprague
Spragueville
Sprakers
Spratt
Sprechgesang
Sprechstimme
Spree
Sprekelia
Sprigg
Spring
Spring Lake
Spring Lake Heights
Spring Sea
Spring Valley
Springbok
Springboro
Springbrook
Springdale
Springer
Springerton
Springerville
Springfield
Springfield Place
Springfield rifle
Springhill
Springhope
Springhouse
Springlick
Springport
Springs
Springtown
Springvale
Springville
Springwater
Springy
Sprott
Sproul
Spruance
Spruce Pine
Spruille Braden
Sprung
Spud Island
Spumans
Spur
Spurgeon
Spurger
Spurius
Spurlock
Spurlockville
Sputnik
Spuyten Duyvil Creek
Sq
Sqdn Ldr
Squali
Squalida
Squalidae
Squalodon
Squalodontidae
Squaloidei
Squalus
Squamariaceae
Squamata
Squamipennes
Squamipinnes
Squamscot
Square Deal
Squarehead wheat
Squatarola
Squatina
Squatinitae
Squatinoidei
Squwmish
Squawtits
Squaxon
Squedunk
Squibb
Squier
Squill
Squilla
Squillidae
Squilloidea
Squire
Squires
Sr
Sra
Srbija
Sri
Sri Lanka
Srinagar
Srini
Srinivasa
Srta
St
St Andrew's Cross
St Andrews
St Anthony's fire
St Bartholomew's Day Massacre
St Cyr
St Elmo's fire
St Ex
St John
St Lucia Castries
St Nicholas du Chardonnnet
St Raphael
St Vitus's dance
St andrew
St augustine grass
St julien
St lawrence skiff
St louis
St louisian
St lucie cherry
St mary-le-bow
St regis
St regis indian
St-Denis
St-Emilion
St-John Perse
St-simonian
St-simonianism
Stahlsheim
Stahlsheimer
Stahlshelmist
Stahlian
Stahlianism
Stahlim
Stahlstown
Staines
Stake presidency
Staked Plain
Stakhanov
Stakhanovism
Stakhanovite
Stalder
Staley
Stalin
Stalin Peak
Stalin organ
Stalinabad
Stalingrad
Stalinism
Stalinist
Stalinite
Stalino
Stalinogrod
Stalinsk
Stalk
Stalker
Stallworth
Stamata
Stambaugh
Stamboul
Stambul
Stamford
Stamford Bridge
Stammbaum
Stamp Act
Stampian
Stamps
Stan
Stan Smyl
Stanaford
Stanardsville
Stanberry
Stanchfield
Standard English
Standards of Official Conduct
Stander
Standford
Standice
Standing
Standish
Standley
Standush
Stanfield
Stanfill
Stanford
Stanford revision
Stanford-Binet test
Stanfordville
Stangeria
Stanhope
Stanhopea
Stanislao
Stanislas
Stanislas I
Stanislaus
Stanislavski
Stanislavski Method
Stanislavski System
Stanislavsky
Stanislaw
Stanislaw Kania
Stanislawow
Stanlee
Stanleigh
Stanley
Stanley Falls
Stanley Pool
Stanleytown
Stanleyville
Stanly
Stannaries
Stannary Court
Stannfield
Stannwood
Stanovoi
Stanovoi Range
Stans
Stanton
Stantonsburg
Stantonville
Stanville
Stanway
Stanwin
Stanwinn
Stanwood
Stanzel
Stapelia
Staphylea
Staphyleaceae
Staphylinae
Staphylinoidea
Staphylinus
Staphylococcus
Staplehurst
Staples
Stapleton
Star
Star Chamber
Star boat
Star chamber
Star class
Star of Bethlehem
Star of David
Star of the Sea
Star-Spangled Banner
Star-Spangled Banner, The
Stara Zagora
Starbuck
Starford
Stargell
Starinsky
Stark
Starke
Starkey
Starks
Starksboro
Starkville
Starkweather
Starla
Starlene
Starlin
Starling
Starbin
Staroobriadtsi
Starr
Starrucca
Starry Night, The
Stars and Bars
Stars and Stripes
Startex
Stasny
Stassen
State
State College
State Day
State council
State department
State of Aden
State prison
Statehouse
Staten
Staten Island
Statenville
States
States General
States of the Church
States’ Rights Democratic Party
States, the
States-General
States-general
Statesboro
Statesville
Statham
Statice
Stationers’ Company
Statis
Statistical Commission
Statius
Statler
Statue of Liberty
Statute of Westminster
Stauder
Staudinger
Stauffer
Staunton
Stauromedusae
Stav
Stavanger
Stavro
Stavropol
Stavros
Staw
Stayton
Stbark
Stclair
Ste
Stead
Steady
Steamburg
Stearn
Stearne
Stearns
Steatornis
Steatornithes
Steatornithidae
Stecher
Stechhelm
Steck
Steddman
Stedman
Stedmann
Stedt
Steedman
Steel
Steel Age
Steel Helmet
Steelboy
Steele
Steeleville
Steelville
Steen
Steenie
Steens
Steep
Steere
Stefa
Stefan
Stefana
Stefanac
Stefania
Stefanie
Stefano
Stefansson
Steff
Steffan
Steffane
Steffen
Steffens
Steffenville
Steffi
Steffi Graf
Steffie
Steffin
Steffy
Steganophthalmata
Steganophthalmia
Steganopodes
Steger
Stegman
Stegocephalia
Stegodon
Stegomus
Stegomyia
Stegosauria
Stegosaurus
Stehekin
Steichen
Steier
Steiermark
Stein
Steinamanger
Steinauer
Steinbeck
Steinberg
Steinberger
Steiner
Steinerian
Steinhatchee
Steinheil
Steinheim man
Steinitz
Steinke
Steinman
Steinmetz
Steinway
Steinwein
Steironema
Stelazine
Stella
Stella Maris
Stella Polaris
Stellaria
Stelle
Steller's jay
Stellite
Stelmach
Stelu
Stemon
Stemonaceae
Stempien
Stempson
Sten
Sten gun
Stendal
Stendhal
Stendhalian
Stercoranism
Stercoranist
Stercorariidae
Stercorariinae
Stercorarius
Stercorianism
Stercorist
Sterculia
Sterculiaceae
Sterelmintha
Stereornithes
Stereospondyli
Stereum
Sterling
Sterlington
Sterlitamak
Stern
Serna
Sternberg
Sterne
Sternes
Sternick
Sterninae
Sternlight
Sterno
Sternotherus
Sterope
Steropes
Sterrett
Stesha
Stesichorean
Stets
Stetson
Stetsonville
Stettin
Stettinius
Steuben
Steuben glass
Steubenville
Stevan Doronjski
Stevana
Steve
Steve Biko
Steve Buechele
Steve Cauthen
Steve Chiasson
Steve Cowper
Steve Duchesne
Stictidaceae
Stictis
Stidham
Stiegel
Stiegler
Stieglitz
Stier
Stig
Stigler
Stigmaria
Stijl
Stikine
Stila
Stilbaceae
Stilbella
Stilbum
Stiles
Stilesville
Stilicho
Still
Stilla
Stillas
Stillingia
Stillman
Stillmann
Stillmore
Stillson wrench
Stillwater
Stillwell
Stilophora
Stilophoraceae
Stilton
Stilton cheese
Stilu
Stilwell
Stimson
Stine
Stinesville
Stinky
Stinnes
Stinnett
Stinson
Stipa
Stipiturus
Stir
Stiria
Stiritis
Stirling
Stirling’s formula
Stirlingshire
Stirrat
Stites
Stittville
Stitzer
Stizolobium
Stoa basileios
Stoat
Stochmal
Stock
Stockbridge
Stockdale
Stockertown
Stockett
Stockhausen
Stockholm
Stockland
Stockmon
Stockport
Stockton
Stockton-on-Tees
Stockville
Stockwell
Stockwood
Stoddard
Stoddart
Stodder
Stoeber
Stoecker
Stoffel
Stofler
Stoic
Stoic philosophy
Stoicism
Stojilko Kajevic
Stovacei
Stokavian
Stokavski
Stoke Poges
Stoke-on-Trent
Stoke-upon-Trent
Stokely
Stokes
Stokes’ Law
Stokes’ aster
Stokes-Adams disease
Stokes-Adams syndrome
Stralsund
Strand
Strandburg
Strander
Strandloper
Strandquist
Strang
Stranger
Stranger, The
Stranraer
Strasberg
Strasbourg
Strasburg
Strassburg
Strategic Air Command
Stratford
Stratford de Redcliffe
Stratford-on-Avon
Stratford-upon-Avon
Stratfordian
Stratham
Strathclyde
Strathcona
Strathmere
Strathmore
Stratiomyiidae
Stratiotes
Strato-cumulus
Stratonical
Strattanville
Stratton
Straub
Straughn
Straus
Strauss
Strausstown
Stravinsky
Strawn
Streamwood
Streator
Street
Street arab
Streetcar Named Desire, A
Streeter
Streetman
Streeto
Streetsboro
Strega
Strohl
Strom
Stromateidae
Stromatopora
Stromatoporoidae
Stromatoporoida
Stromberg
Strombidae
Stromboli
Strombus
Stromburg
Strong
Stronghurst
Strongsville
Strongylidae
Strongyloides
Strongyloplasmata
Strongylosis
Strongylus
Stronski
Strophanthus
Stropharia
Strophius
Strophomena
Strophomenaceae
Strophomenidae
Strother
Stroud
Stroudsburg
Stroup
Strozza
Strozzi
Struldbrug
Struldbuggian
Struldbuggism
Struma
Strumella
Strunk
Struthers
Struthio
Struthiomimus
Struthiones
Struthionidae
Struthioniformes
Struthiopteris
Struve
Struwwelpeter
Strychnos
Stryker
Strykersville
Strymon
Stu
Stuart
Stuart Eizenstat
Stuart Pratt
Stuartia
Stubbs
Stubstad
Stucker
Stuckey
Studdard
Studebaker
Student’s t distribution
Studite
Studium
Studley
Studner
Studnia
Stuka
Stulin
Stultz
Stumptown
Stundism
Stundist
Stuppy
Sturbridge
Sturdivant
Sturges
Sturgis
Sturiones
Sturkie
Sturm
Sturm und Drang
Sturmabteilung
Sturmer
Sturmian
Sturnella
Sturnidae
Sturninae
Sturnus
Sturrock
Sturt
Sturtevant
Stutman
Stuttsman
Stuttgart
Stuttgart disease
Stuttgart pitch
Stuttgart's dis
Stuttgart's disease
Stutzman
Stuyvesant
Stygal
Stygian
Stygian creek
Stygian darkness
Stygian shore
Stylaster
Stylasteridae
Styles
Stylidiaceae
Stylidium
Stylochus
Stylommatophora
Stylonichia
Stylonurus
Stylonychia
Stylopidae
Stylops
Stylosanthes
Stymphalian
Stymphalian birds
Stymphalid
Stymphalides
Stymphalus
Styphelia
Styr
Styracaceae
Styrax
Styria
Styrian
Styrofoam
Styx
Styrian
Su
Su-chou
Suaeda
Suakin
Sualocin
Suamico
Suanitian
Suanne
Suarez
Sub-adriatic
Sub-apenine
Sub-atlantic
Sub-carboniferous
Sub-carpathian
Sub-christian
Sub-himalayan
Sub-mycenaean
Sub-northern
Sub-parliament
Sub-pyrean
Subak
Subakhmimic
Subanun
Subarian
Subcarboniferous
Subclamatores
Suberites
Suberitidae
Subiaco
Subic
Subic Bay
Subir
Subiya
Subkingdom Metazoa
Subkingdom Parazoa
Subkingdom Protozoa
Sublett
Sublette
Sublime
Sublime Porte
Sublimity
Submytilacea
Suboscines
Subotica
Subphylum Vertebrata
Subroc
Subulicornia
Subungulata
Sucaryl
Succasinna
Succisa
Succoth
Succubus
Suches
Suchos
Suchta
Suckling
Suckow
Sucre
Suctoria
Sucy
Sudafed
Sudan
Sudan grass
Sudanese
Sudani
Sudanian
Sudanic
Sudburian
Sudbury
Sudder
Sudderth
Sudermann
Sudeten
Sudetenland
Sudetes
Sudhir
Sudic
Sudith
Sudlersville
Sudnor
Sudra
Sue
Succism
Sueco-gothic
Suellen
Suelo
Suerre
Suessiones
Suetonius
Sueve
Suevi
Suevian
Suevic
Suez
Suez Canal
Sufeism
Suff
Sufferings of Young Werther, The
Suffern
Suffield
Suffolk
Suffolk punch
Suffr
Sufi
Sufi order
Sufism
Sufistic
Sufis
Sufism
Sufistic
Sufu
Sug
Sugar
Sugar Land
Sugar Loaf Mountain
Sugarland
Sugarloaf
Sugarloaf Mountain
Sugartown
Sugartree
Sugden
Sugihara
Suh
Suhail
Suharto
Sui
Suidae
Suilmann
Suina
Suiogoth
Suiogothic
Suiones
Suisei
Suisse
Suiv
Suk
Sukarnapura
Sukarno
Sukarno Peak
Sukey
Sukhum
Sukhumi
Suki
Sukin
Sukkoth
Suku
Sula
Sulaba
Sulafat
Sulaib
Sulamith
Sulawesi
Suleiman
Sumerologist
Sumerology
Sumiton
Summa Theologica
Summanus
Summer
Summer Sea
Summer and Smoke
Summerdale
Summerfield
Summerland
Summerlee
Summers
Summershade
Summerside
Summersville
Summerton
Summertown
Summerville
Summit
Summit Hill
Summitville
Summons
Sumner
Sumneytown
Sumo
Sumpter
Sumrall
Sumter
Sumterville
Suny
Sun
Sun King
Sun Prairie
Sun Valley
Sun Yat-sen
Sun king
Sunapee
Sunapee trout
Sunay
Sunbelt
Sunbright
Sunburg
Sunburst
Sunbury
Sunbury-on-Thames
Suncook
Sunda
Sunda Islands
Sunda Strait
Sunda land
Sundance
Sudanese
Sundanesian
Sunday
Sunday Morning
Sunday School
Sunday best
Sunday child
Sunday citizen
Sunday clothes
Sunday drive
Sunday driver
Sunday letter
Sunday painter
Sunday punch
Sunday saint
Sunday school
Sunday supplement
Sunday-go-to-meeting
Sunday-go-to-meeting clothes
Sunday-go-to-meetings
Sunday-schoolish
Sundayfied
Sundayish
Sundayism
Sundaylike
Sundayness
Sundayproof
Sundays
Sundberg
Sunderland
Sundin
Sundstrom
Sundsvall
Suneya
Sunfield
Sung
Sung-hua
Sungari
Sungkiang
Sunil
Sunland
Sunman
Sunna
Sunni
Suni Muslim
Sunniah
Sunnism
Sunnite
Sunny
Sunnyside
Sunnysouth
Sunnyvale
Sunol
Sunray
Sunshine
Sunshine State
Sunyata
Suomi
Suomic
Sup
Supai
Supat
Supen
Super Talos
Super-christian
Superfort
Superfortress
Superi
Superior
Superman
Supersonic Age
Suplee
Suppe
Supple
Suppliants, The
Supra-christian
Suprematism
Supreme Being
Supreme Council
Supreme Court
Supreme Court of Judicature
Supreme People's Assembly
Supreme Soviet
Supt
Suquamish
Suqutra
Sur
Sura
Surabaya
Surajah Dowlah
Surakarta
Surat
Surbeck
Surgoinsville
Surgut ostyak
Suriana
Surianaceae
Suribachi
Suricata
Surinam
Surinam cherry
Surinam toad
Suriname
Suring
Surovy
Surrealism
Surrealist
Surrealistic
Surrealistically
Surrency
Surrey
Surrey green
Surry
Surt
Surtr
Surtsey
Survance
Surveyor
Surya
Sus
Susa
Susah
Susan
Susana
Susanchite
Susanetta
Susank
Susann
Susanna
Susannah
Susanne
Susanoo
Susanowo
Susanville
Susette
Susi
Susian
Susiana
Susianian
Susie
Suslov
Susquehanna
Sussex
Sussex man
Sussex pig
Sussex spaniel
Sussexman
Sussi
Sussman
Susna
Susu
Susuhunan
Susuidae
Susumu
Susy
Susy-Q
Sutaio
Sutcliffe
Suter
Sutersville
Suth
Sutherland
Sutherland Falls
Sutherlandia
Sutherlin
Sutherländ Falls
Sutlej
Suto
Sutphin
Sutta Pitaka
Suttapitaka
Sutter
Suttner
Sutton
Sutton Coldfield
Sutton Hoo
Sutton-in-Ashfield
Sutu
Suu
Suva
Suvorov
Suwanee
Suwannee
Suzan
Suzann
Suzanna
Suzanne
Suzetta
Suzette
Suzi
Suzie
Suzuki
Suzy
Suzy Azar
Suzy
Svalbard
Svan
Svanetian
Svanish
Svantovit
Svarloka
Svea
Sveciaost
Svedberg
Sven
Svend
Svengali
Svensen
Sverdlovsk
Sverige
Sverre
Svetambara
Svetlana
Svetlana Alliluyeva
Svign
Svizerra
Svoboda
Svres
Sw
Swab
Swabia
Swabian
Swadeshi
Swadeshism
Swagerty
Swahilese
Swahili
Swahilian
Swahilis
Swahilize
Swain
Swaine
Swainsboro
Swainson
Swainson's thrush
Swainsona
Swaledale
Swammerdam
Swampscott
Swamy
Swan
Swan Lake, The
Swan River everlasting
Swane
Swanee
Swanhilda
Swanhildas
Swann
Swannanoa
Swansboro
Swanscombe man
Swansea
Swanson
Swantevit
Swanton
Swanville
Swanwick
Swaps
Swart
Swarthmore
Swarthout
Swarts
Swartwood
Swartz
Swartz Creek
Swartzbois
Swartzia
Swat
Swatchel
Swatchel box
Swati
Swatis
Swatow
Swayder
Swayne
Swayzee
Swazi
Swazi Territory
Swaziland
Sweatt
Swec
Swed
Swede
Swedeborg
Sweden
Swedenborg
Swedenborgian
Swedenborgianism
Swedenborgism
Swedesboro
Swedesburg
Swedish
Swedish Nightingale
Swedish bath
Swedish glass
Swedish massage
Swedish meatballs
Swedish mile
Swedish movements
Swedish steel
Swedish turnip
Swedish-owned
Swee
Sweden
Swelinck
Sweeney
Sweeney Among the Nightingales
Sweeny
Sweet
Sweet Fanny Adams
Sweet Home
Sweet Spring
Sweetbriar
Sweetgrass
Sweetland
Sweetser
Sweetwater
Swelinck
Swen
Swengel
Swenson
Sweepsonville
Swertia
Swetiana
Swetlana
Sweyn
Swiercz
Swietenia
Swift
Swift's disease
Swifton
Swiftown
Swiftwater
Swigart
Swihart
Swinburne
Swinburnesque
Swinburnian
Swindon
Swingism
Swink
Swinnerton
Swinton
Swirsky
Swisher
Swiss
Swiss Guard
Swiss Guards
Swiss bank
Swiss bank account
Swiss chard
Swiss cheese
Swiss cheese sandwich
Swiss lapis
Swiss muslin
Swiss steak
Swisser
Swissess
Switchback
Swithbart
Swithbert
Swithin
Swithun
Switz
Switzer
Switzeress
Switzerland
Swoon
Swoope
Swope
Swor
Sword of Damocles
Swords
Swoyersville
Swtz
Sy
Sybaris
Sybarital
Sybaritan
Sybarite
Sybaritic
Sybaritical
Sybaritically
Sybaritish
Sybertsville
Sybil
Sybila
Sybilla
Sybille
Syble
Sybley
Sybyl
Sycamore
Sychaeus
Syck
Sycon
Syconaria
Sycones
Syconidae
Syd
Sydel
Sydelle
Sydnecian
Sydney
Sydney silky
Sydneyite
Sydeysider
Syene
Sykes
Sykeston
Sykesville
Syktyvkar
Syl
Sylacauga
Sylas
Syleus
Syllabus
Syllabus of Errors
Syllidae
Syllis
Sylmar
Sylni
Sylow
Sylphon
Sylva
Sylvain Trugeon
Sylvan
Sylvan Cote
Sylvana
Sylvaner
Sylvani
Sylvania
Sylvanus
Sylvester
Sylvester I
Sylvester II
Sylvester's dialytic method
Sylvestrian
Sylvestrine
Sylvia
Sylvia Bertolaccini
Sylvian
Sylvian fissure
Sylvicolidae
Sylvie
Sylviidae
Sylviinae
Symaethis
Syman
Symbranchia
Symer
Symington
Symmachus
Symon
Symonds
Symons
Sympetala
Symphalangus
Symphoricarpos
Symphylla
Symphyta
Symphytum
Symplegades
Symlocaceae
Symlocarpus
Symlocos
Symsonia
Synanon
Synapsida
Synaptera
Synaptosauria
Synarmogoidea
Synascidae
Synacarida
Synchytia
Syro-arabian
Syro-babylonian
Syro-chaldaic
Syro-chaldean
Syro-chaldee
Syro-egyptian
Syro-galilean
Syro-hebraic
Syro-hexaplar
Syro-hittite
Syro-macedonian
Syro-mesopotamian
Syro-persian
Syro-roman
Syrophoenician
Syrphidae
Syrtis
Syrtis Major
Syryenian
Syst
Systems
Systernational d'Unit
Syverson
Syzzan
Szabadka
Szczecin
Szechwan
Szeged
Szekely
Szekler
Szeklian
Szekszrd
Szell
Szewinska
Szigeti
Szilard
Szold
Szombathely
Szomorodni
Szondi test
Szymanowski
T
T M
T and A
T bandage
T bar
T bevel
T bob
T bolt
T cart
T cloth
T connection
T connector
T crank
T cross
T formation
T head
T hinge
T iron
T joint
T number
T nut
T piece
T plate
T rail
T ring
T scale
T score
T sill
T slot
T square
T steak
T winding
T'ang
T'ien-t'ai Buddhism
T's
Tu Ti
T-bar
T-beam bridge
T-bevel
T-bone steak
T-connected
T-group
T-head cylinder
T-head toggle
T-headed
T-junction
T-man
T-men
T-number
T-shirt
T-slot cutter
T-square
T-stop
T-stop system
T/D
T1
T1FE
T1OS
T3
TA
TAB
TAC
TACCS
TAE
TAG
TAL
TAM
TANSTAAFL
TAO
TAP
TAR
TAS
TASC
TASI
TASS
TAT
TAU
TAVR
TB
TBA
TBD
TBO
TBS
TC
TCA
TCAP
TCAS
TCB
TCBM
TCC
TCCC
TCG
TCM
TCP
TCPIP
TCR
TCS
TCSEC
TCT
TD
TDAS
TDC
TDCC
TDD
TDE
TDI
TDL
TDM
TDMA
TDO
TDR
TDRS
TDRSS
TDY
TE
TEB
TEC
TECO
TEFLON
TEHO
TEL
TELEX
TELSAM
TEMA
TEMPEST
TEMPO
TEPP
TER
TERM
TES
TEirtza
TFC
TFLAP
TFP
TFS
TFT
TFTP
TFX
TG
TGC
TGN
TGV
TGWU
TH
THC
THI
THIEF
THOR
THREE
THX
TI
TIA
TIC
TID
TIFF
TINA
TIP
TIRKS
TIROS
TKO
TL
TLA
TLB
TLC
TLI
TLM
TLN
TLP
TLTP
TLV
TM
TMA
TMAC
TMDF
TMIS
TMMS
TMO
TMP
TMR
TMRC
TMRS
TMS
TMSC
TMV
TN
TNB
TNC
TNDS
TNN
TNOP
TNPC
TNT
TO
TO'd
TOC
TOD
TODS
TOEFL
TOMS
TSF
TSH
TSI
TSM
TSO
TSORT
TSP
TSPS
TSR
TSS
TSST
TST
TSTO
TSTS
TSgt
TT
TTC
TTD
TTFN
TTL
TTMA
TTP
TTS
TTTN
TTU
TTY
TTYC
TU
TUC
TUNIS
TUR
TV
TV band
TV campaign
TV chair
TV dinner
TV man
TV mobile
TV set
TV show
TV station
TV table
TV-Eye
TV-viewer
TVA
TVTWM
TW
TWA
Tabriz
Tabshey
Tabula amalfitana
Tabula smaragdina
Tabulata
Tacana
Tacanan
Tacca
Taccaceae
Tace
Tachardia
Tachardiinae
Tachina
Tachinaria
Tachinidae
Tachyglossidae
Tachyglossus
Tacita
Tacitean
Tacitus
Tacklind
Tacloban
Tacna
Tacna-Arica
Tacoma
Tacoman
Taconian
Taconic
Taconite
Tacquet
Taconia
Tacubaya
Taculli
Tacy
Tacye
Tad
Tada
Tadashi
Tadd
Taddeo
Taddeusz
Tade
Tadeas
Tadema
Tadeo
Tades
Tadeus
Tadich
Tadio
Tadjik
Tadmor
Tadousac
Tadzhik
Tadzhiki
Tadzhikistan
Taegu
Taejon
Taeniada
Taeniata
Taenidia
Taeniobranchia
Taeniodonta
Taeniodontia
Taeniodontidae
Taenioglossa
Taeniosomi
Taetsia
Taffel
Taffy
Tafilaelat
Tafilelt
Taft
Tafton
Taftsville
Taftville
Tagabilis
Tagakaolo
Tagal
Tagala
Tagalize
Tagalo
Tagalog
Tagalogs
Taganrog
Tagassu
Tagassuidae
Tagaur
Tagbanua
Tage Erlander
Tager
Tagetes
Taggard
Taggart
Taghlik
Tagish
Tagliacotian
Tagliacozzian
Tagore
Tagula
Tagus
Taha Carim
Tahami
Tahiti
Tahitian
Tahlequah
Tahltan
Tahmi el Glaoui
Tahmosh
Tahoe
Tahoka
Taholah
Tahuya
Tai
Tai-chinese
Taiban
Taichu
Taichung
Taiden
Taif
Tahoku
Taikyu
Tailor
Tailte
Tailtean games
Taima
Taimi
Taimir Peninsula
Taimyr Peninsula
Tainan
Taine
Taino
Taintor
Tainui
Taipei
Taipi
Taiping
Taira
Tairou Congacou
Taisho
Tait
Taite
Taiwan
Taiwan Strait
Taiwanese
Talmudic
Talmudical
Talmudism
Talmudist
Talmudistic
Talmudistical
Talmudization
Talmudize
Taloga
Talos
Talpa
Talpidae
Talthybius
Taltushuntitude
Taluche
Taluhet
Talya
Talyah
Talys
Talyshin
Tam
Tam O'Shanter
Tama
Tamaceae
Tamachek
Tamah
Tamale
Tamanac
Tamanaca
Tamanaco
Tamanaha
Tamaqua
Tamar
Tamara
Tamarah
Tamarah
Tamaricaceae
Tamarindus
Tamarix
Tamaroa
Tamarra
Tamaru
Tamas
Tamashhek
Tamasine
Tamassee
Tamatave
Tamaulipas
Tamaulipec
Tamaulipecan
Tamayo
Tamberg
Tambookie
Tambookie grass
Tambora
Tambouki
Tambov
Tambuki
Tamburlaine
Tamburlaine the Great
Tame
Tamer
Tamera
Tamerlane
Tamerlanism
Tamesada
Tami
Tamias
Tamiko
Tamil
Tamil Nadu
Tamilian
Tamilic
Tamilis
Tamiment
Taming of the Shrew, The
Tamis
Tamma
Tammanial
Tammanize
Tammany
Tammany Hall
Tammany man
Tammany society
Tammanyism
Tammanyite
Tammanyize
Tammar
Tammarfors
Tammi
Tammie
Tammlie
Tamms
Tammuz
Tammy
Tamonea
Tamoyo
Tampa
Tampa Bay
Tampan
Tampere
Tampico
Tamqrah
Tamra
Tams
Tamsky
Tamul
Tamulian
Tamulic
Tamus
Tamworth
Tamzine
Tan
Tana
Tanacetum
Tanach
Tanagra
Tanagra figure
Tanagraean
Tanagridae
Tanah
Tanaidacea
Tanaka
Tanala
Tanana
Tananarive
Tanaquil
Tanaron
Tanberg
Tanchelmian
Tancred
Tandi
Tandie
Tandjungpriok
Tandoori
Tandy
Tane
Taney
Taneytown
Taneyville
Tang
Tanga
Tangaloa
Tanganyika
Tanganyika and Zanzibar
Tanganyikan
Tangaridae
Tangaroa
Tangaroan
Tangerine
Tanghinia
Tangier
Tangier ocher
Tangipahoa
Tangled
Tanglewood
Tangshan
Tangut
Tanguy
Tanhya
Tani
Tania
Tania australis
Tania borealis
Tanis
Tanitansy
Tanite
Tanitic
Tanjore
Tanjungpandan
Tanjungpriok
Tank school
Tankoos
Tann
Tannen
Tannenbaum
Tannenberg
Tannenwald
Tanner
Tanner-Blish machine
Tannersville
T Anney
Tannhser
Tannie
Tanna Tuva
Tanna Tuvian
Tanny
Tano
Tanoan
Tanquelinian
Tansey
Tansy
Tanta
Tantalean
Tantalian
Tantalic
Tantalus
Tantalus cup
Tantaluses
Tantony
Trantra
Tantrika
Tantrism
Tantrist
Tanya
Tanyoan
Tanystomata
Tanzan Ishibashi
Tanzania
Tanzine
Tao
Tao Te Ching
Taoism
Taoist
Taoistic
Taonurus
Taopi
Taos
Tapa
Tapachula
Tapachulteca
Tapacura
Tapaj
Tapajo
Tapajos
Tape
Tapeats
Tapes
Tapetron
Taphiae
Taphria
Taphrina
Taphrinaceae
Tapijulapane
Tapinoma
Tapiridae
Tapiro
Tapirus
Tapley
Tapley mark
Tapleyism
Taplin
Tapoco
Taposa
Tappahannock
Tappan
Tappen
Tappertit simon
Tappertitian
Taprobane
Tapuya
Tapuyan
Tapuyo
Tara
Tarab
Tarabulcus el Gharb
Tarabulcus esh Sham
Taracahitian
Tarah
Tarahumaran
Tarahumara
Tarahumare
Tarahumari
Tarai
Taraktogenos
Taramembe
Taran
Taranchi
Tarandean
Tarandian
Taranis
Taranto
Tarantula nebula
Tarantulidae
Tarapon
Tarapoto
Taras Bulba
Tarasc
Tarascan
Tarasco
Tarawa
Tarawa-Makin
Taraxacum
Tarazed
Tarazi
Tarbell
Tarbes
Tarboro
Tarde
Tardenoisian
Tardieu
Tardigrada
Tare
Tarentine
Tarentum
Tareyn
Targett
Targhee
Targitaus
Targu alphabet
Targum
Targumic
Targumical
Targumist
Targumistic
Targumize
Targums
Tarheel
Tarheel state
Tarheeler
Tariana
Tariffville
Tarija
Tarik Benhabiles
Tarim
Tarim Basin
Tariri
Tarkalani
Tarkani
Tarkany
Tarkington
Tarkio
Tarlac
Tarlton
Tarmac
Tarn
Tarn-et-Garonne
Tarne
Tarnhelm
Tarnkappe
Tarnopol
Tarnow
Taro
Tarpeia
Tarpeian
Tarpeian Rock
Tarpley
Tarpon Springs
Tarquin
Tarquinish
Tarr
Tarra
Tarragona
Tarrah
Tarrance
Tarrant
Tarrasa
Tarrateen
Tarratine
Tarrel
Tarrs
Tarrants
Tarry-john
Tarryn
Tarrytown
Tarshish
Tarsiidae
Tarsipedidae
Tarsipedinae
Tarsipes
Tarsius
Tarshki
Tarsonemidae
Tarsonemus
Tarsus
Tarsuss
Tartaglia
Tartan
Tartar
Tartar horse
Tartar sable
Tartar-nosed
Tartarean
Tartareous
Tartarian
Tartarian aster
Tartarian dogwood
Tartarian honeysuckle
Tartaric
Tartarin
Tartarism
Tartarization
Tartarize
Tartarized
Tartarlike
Tartarology
Tartarus
Tartary
Tartini
Tarton
Tarttan
Tartu
Tartufe
Tartufes
Tartuffe
Tartuffery
Tartuffes
Tartuffian
Tartuffish
Tartuffism
Taruma
Tarumari
Taruntius
Tarvia
Taryba
Taryn
Taryne
Tarzan
Tarzana
Tarzanish
Tas
Tasha
Tashi Lama
Tashkend
Tashkent
Tashlich
Tashlik
Tashmit
Tashmit
Tashnakist
Tashnakist
Tashusai
Tasia
Tasian
Tasiana
Task, The
Tasker
Tasley
Tasm
Tasman
Tasman Sea
Tasmania
Tasmanian
Tasmanian devil
Tasmanian tiger
Tasmanian wolf
Tass
Tassie
Tasso
Taswell
Tat
Tatamy
Tatar
Tatar Strait
Tatar sable
Tatarian
Tataric
Tatarization
Tatarize
Tatary
Tate
Tate Gallery
Tates
Tateville
Tathagata
Tathata
Tati
Tatia
Tatian
Tatiana
Tatianas
Tatiania
Tatianist
Tatianna
Tatus
Tatler, The
Tatman
Tatra Mountains
Tatsanottine
Tattan
Tatu
Tatum
Tatums
Tatusia
Tatusiidae
Tatyana Khodorovich
Taub
Taube
Tauchnitz
Tauli
Taungthu
Tauno Hannikainen
Taunton
Taupo
Tauranga
Tauri
Taurian
Tauric
Taurid
Tauridian
Taurini
Tauroctonus
Tauropolos
Taurotragus
Taurus
Taurus Mountains
Taurus cluster
Taurus poniatowski
Taussig
Tautology
Tav
Tavares
Tavast
Tavastian
Tave
Taveda
Tavel
Taverner
Tavernier
Tavey
Tavghi
Tavgi
Tavi
Tavia
Tavie
Tavis
Tavish
Tavy
Taw-Sug
Tawgi
Tawney
Tawnya
Tawsha
Taxaceae
Taxeopoda
Taxidea
Taxila
Taxodiaceae
Taxodium
Taxus
Teaberry
Teach
Teachey
Teador
Teagan
Teagarden
Teage
Teague
Teagueland
Teaguelander
Teahan
Teak
Teaneck
Tearle
Teasdale
Teays
Tebbetts
Tebet
Tebeth
Tebu
Teca
Tecate
Tech
Technicolor
Technion
Technological Age
Techny
Tecla
Tecmessa
Teco
Tecoma
Tecoma yew
Tecopa
Tecapanec
Tectibranchia
Tectibranchiata
Tecton
Tectona
Tectosages
Tectospondyli
Tecu
Tecumseh
Tecumtha
Tecuna
Ted
Ted Sator
Teda
Tedd
Tedda
Tedder
Teddi
Teddie
Tedman
Teddy
Teddy Higuera
Teddy bear
Teddy boy
Teddy girl
Tedi
Tedie
Tedman
Tedmann
Tedmund
Tedra
Tedric
Teece
Teena
Teerell
Tees
Teesside
Teeswater
Teeter
Teevens
Teferi
Tefit
Teflon
Tega
Tegan
Tegea
Tegean
Tegeates
Tegeticula
Tegmine
Tegucigalpa
Teguima
Tegyrius
Teh
Tehachapi
Tehama
Teheran
Tehillim
Tehran
Tehuacana
Tehuantepec
Tehuantepec wind
Tehuantepec winds
Tehuantepecan
Tehuantepecer
Tehueco
Tehuelche
Tehuelchean
Tehuelches
Tehuelet
Teian
Teichmann's crystals
Teide
Teiidae
Teilhard de Chardin
Teillo
Teilo
Teind Court
Teind court
Teiresias
Tejo
Tejon
Tejon formation
Tekakwitha
Tekamah
Tekintsi
Tekke
Tekkintzi
Tekla
Tekoa
Tekonsha
Tektronix
Tel
Tel Aviv
Tel Aviv-Jaffa
Tel Avivian
Tel el Amarna
Tel-Eye
TelAutograph
TelAutography
Telamon
Telamonian Ajax
Telanaipura
Telanthera
Telanthropus
Telautograph
Telchines
Telchinitz
Teddy
Teleboids
Teledyne
Telefunken
Telegn
Telegonus
Telegu
Telei
Teleia
Telemachus
Telemann
Telemark
Telembi
Telemus
Telenget
Telenomus
Teledocephali
Teleoceeras
Teleodesmacea
Teleosauridae
Telesaurus
Teleostei
Teleostomi
Telephassa
Telephoto
Telephus
Teleplotter
Teleran
Telereader
Telescopii
Telescopium
Telesphorus
Teletype
Teletype network
Teletypesetter
Teletyping
Teleut
Telex
Telfairia
Telfer
Telferner
Telford
Telfore
Telinga
Telinga potato
Tell
Tell el Amarna
Tella
Teller
Tellez
Tellford
Temple of Artemis
Templer
Templeton
Templetonia
Templeville
Templia
Tempter
Tempyo
Temuco
Ten
Ten Commandments
Ten Years' War
Tena
Tenach
Tenafly
Tenaha
Tenaktak
Tenasserim mahogany
Tench
Tencteri
Tendai Buddhism
Tender Is the Night
Tendoy
Tenebrae
Tenebrio
Tenebrionidae
Tenebrist
Tenedos
Tenenbaum
Tenerife
Teneriffe
Teneriffe lace
Tenes
Teng Hsiao-ping
Tengdin
Tenggerese
Tengler
Tengri Khan
Tengri Nor
Teniers
Tenino
Tenmile
Tenn
Tennant
Tenneco
Tennent
Tenner
Tennes
Tennessean
Tennessee
Tennessee Valley Authority
Tennessee Walking Horse
Tennessee walking horse
Tennessee warbler
Tennesseean
Tenney
Tennga
Tenniel
Tennes
Tennille
Tennyson
Tennysonian
Tennysonianism
Teno
Tenochtitl
Tenochtitlan
Tenonian
Tenrecidae
Tensed
Tenstrike
Tentaculata
Tentaculifera
Tentaculites
Tentaculitidae
Tenthredinidae
Tenthredinoidea
Tenthredo
Tenuirostres
Tenzing
Tenzing Norgay
Teo Fabi
Teodoor
Teodor
Teodora
Teodorico
Teodoro
Teotihuacan
Tepanec
Tepecano
Tepehua
Tepehuane
Tephillah
Tephrosia
Tepic
Teplica
Teplitz
Open Source Used In CSPC_Collector 2.9.1 18859

Tepper
Tequistlateca
Tequistlatecan
Ter Borch
Tera
Terah
Terai
Terbecki
Terborch
Terburg
Terceira
Terchie
Terebellidae
Terebinthaceae
Terebinthus
Terebrantia
Terebratula
Terebratulidae
Terebridae
Teredinidae
Terena
Terence
Terencio
Terentia
Terentian
Tererro
Teresa
Terese
Terese
Tereshkova
Teresian
Teresina
Teresita
Teressa
Tereus
Terfezia
Terfeziaceae
Terhune
Teri
Teria
Teriann
Terina
Terle
Terlingua
Terlton
Termagant
Termes
Terminalia
Terminaliaceae
Terminus
Termitidae
Termo
Terman
Ternate
Terni
Ternopol
Ternstroemia
Ternstroemiaceae
Terpsichore
Terpsichorean
Terpstra
Terr
Terra
Terra Mater
Terra lemnia
Terraalta
Terraba
Terrace epoch
Terraceia
Terral
Terramycin
Terrance
Terrapene
Terre
Terrebonne
Terrel
Terrell
Terrena
Terrence
Terrene
Terreton
Terri
Terrie
Terrier
Terrijo
Terril
Terrill
Terrily
Terris
Terriss
Territela
Territorial
Territorial Army
Territorian
Territory
Territus
Terry
Terry Diehl
Terry Labonte
Terry Teagle
Terrye
Terryl
Terryo
Terryville
Tersanctus
Tersina
Terti
Tertia
Tertiary
Tertias
Tertius
Tertry
Tertullian
Tertullianism
Tertullianist
Teruel
Teryl
Terylene
Teryn
Terza
Terzas
Tescott
Tesla
Tesler
Tess
Tess of the D'Urbervilles
Tessa
Tesserants
Tessi
Tessie
Tessin
Tessler
Tessay
Test
Test Act
Testacea
Testament
Testamentum domini
Testicardines
Testudinaria
Testudinata
Testudinidae
Tesaque
Tete de Maure
Tete de Moine
Teteak
Tethys
Teton
Teton Range
Tetonia
Tetabelodon
Tetabranchia
Tetracerus
Tetracoralla
Tetractinellida
Tetracy
Tetrade capoda
Tetradesmus
Tetradite
Tetradynamia
Tetragonia
Tetragonii aceae
Tetragrammaton
Tetragynia
Tetralin
Tetramer a
Tetrandria
Tetranychus
Tetrao
Tetraodon
Tetraodontidae
Tetraonidae
Tetraoninae
Tetrapanax
Tetrapneumona
Tetrapneumones
Tetrapoda
Tetrap turus
Tet rastichidae
Tet rastichus
Tetraxonia
Tetaxonida
Tetrazzini
Tetrigidae
Tetrix
Tetrodon
Tet rodontidae
Tetrigidae
Tet tigoniidae
Tetu
Tetuan
Tetum
Tetzel
Teucer
Teuci
Teucrion
Teucrium
Teufel
Teufert
Teut
Teuthis
Teuthras
Teuto-british
Teuto-celt
Teuto-celtic
Teutoburger Wald
Teutolatry
Teutomania
Teutomaniac
Teuton
Teutondom
Teutonesque
Teutonia
Teutonic
Teutonic Knights
Teutonic Order
Teutonic order
Teutonically
Teutonicism
Teutonisation
Teutonise
Teutonised
Teutonising
Teutonism
Teutonist
Teutonity
Teutonization
Teutonize
Teutonized
Teutonizing
Teutono-persic
Teutonomania
Teutonophobe
Teutonophobia
Teutophil
Teutophile
Teutophilism
Teutophobe
Teutophobia
Teutophobia
Teutophobism
Teutopolis
Tevere
Tevet
Tevis
Tewa
Tewell
Tewfik
Tewkesbury
Tewksbury
Tews
Tex
Texaco
Texan
Texarkana
Texas
Texas Independence Day
Texas Rangers
Texas Tower
Texas armadillo
Texas buckthorn
Texas fever
Texas jujube
Texas leaguer
Texas longhorn
Texas sage
Texas sparrow
Texas tower
Texcocan
Texhoma
Texico
Texline
Texola
Texon
Textron
Teyde
Tezcatlipoca
Tezcatzoncatl
Tezuican
Tezel
Tgu Mure
Th
ThB
ThD
ThM
Thabana-Ntlenyana
Thabantshonyana
Thach
Thacher
Thacker
Thackeray
Thackerayan
Thackerayana
Thackerayesque
Thackerville
Thad
Thad Eure
Thaddaus
Thaddeus
Thaddus
Thadentsonyane
Thadeus
Thagard
Thai
Thailand
Thailander
Thain
Thaine
Thais
Thakur
Thalamiflorae
Thalamophora
Thalarctos
Thalassa
Thalassarctos
Thalassinidea
Thalassochelys
Thales
Thalesia
Thalesian
Thalessa
Thalia
Thaliacea
Thalian
Thaliard
Thalictrum
Thallo
Thallophyta
Tham
Thamar
Thames
Thamesis
Thammuz
Thamnidium
Thamnophila
Thamnophinae
Thamnophilus
Thamnophis
Thamora
Thamos
Thamudean
Thamudene
Thamudic
Thamus
Thamyras
Thamyras
Thanasi
Thanatos
Thanatotic
Thane
Thanet
Thanh
Thanjavur
Thanksgiving Day
Thanom
Thanos
Thant
Thapa
Thapsia
Thapsus
Thar
Thar Desert
Thare
Thargelia
Thargelion
Tharp
Tharsis
Thasian
Thaspium
Thatch
Thatcher
Thaumantian
Thaumantias
Thaumas
Thawville
Thaxter
Thaxton
Thay
Thayer
Thayne
The
The Cairngorms
The Centaur
The Dalles
The Diamond-Cutter
The Gambia
The Grampians
The Kimberleys
The Lotus of the True Law
The Narrows
The Old Farmer's Almanac
The Plains
The Steppes
The Ten
The Three Musketeers
The Troad
The very dead of winter
Thea
Theaceae
Theadora
Theaetetus
Theall
Thearica
Theatine
Theatre of the Absurd
Theatre-Francais
Thebaic
Thebaid
Thebais
Theban
Theban eagle
Thebault
Thebe
Thebes
Thebesian
Thebit
Thecamoebae
Thecata
Thecla
Thecoidea
Thecophora
Thecosomata
Theda
Thedford
Thedric
Thedrick
Theemim
Theia
Theiler
Theileria
Theilman
Theis
Theiss
Thekla
Thelemite
Thelephora
Thelephoraceae
Theligonaceae
Theligonum
Thelma
Thelodontidae
Thelodus
Thelonious
Thelphusa
Thelphusidae
Thelyphonidae
Thelyphonus
Thema
Themis
Themiste
Themistian
Themisto
Themistocles
Thenard's blue
Thendra
Thenna
Theo
Theobald
Theobold
Theobroma
Theoclymenus
Theocritan
Theocritean
Theocritus
Theodor
Theodora
Theodorakis
Theodore
Theodoric
Theodosia
Theodosian
Theodosius I
Theodosius II
Theodotian
Theola
Theon Junior
Theona
Theone
Theonoe
Theopaschist
Theopaschitally
Theopaschite
Theopaschitic
Theopaschitism
Theophane
Theophania
Theophila
Theophilus
Theophilus Donges
Theophrastaceae
Theophrastan
Theophrastean
Theophrastian
Theophrastus
Theorell
Theos
Theosophist
Theosophy
Theotocopoulos
Theotocos
Theotokos
Theoxenius
Thera
Theraean
Theran
Therapeutae
Therapeutic
Theraphosa
Theraphosidae
Therapne
Therapsida
Theravada
Theravada Buddhism
Theravadin
Theresa
Theresa of Avila
Theresa of Lisieux
Therese
Theresina
Theresita
Theresa
Thereva
Therevidae
Therezina
Theria
Theridiidae
Theridion
Therimachus
Therine
Theriodonta
Theriodontia
Theriot
Theritas
Therma
Thermidor
Thermidorean
Thermidorian
Thermit
Thermofax
Thermopolis
Thermopsis
Thermopylae
Thermos
Thermos bottle
Thermos flask
Thero
Therock
Theromora
Theromores
Theromorpha
Theron
Theropoda
Therron
Thersander
Thersilochus
Thersites
Thesda
Thesean
Theseum
Theseus
Theseus and Pirithoes
Thesium
Thesmia
Thesmophoria
Thesmophorian
Thesmorphic
Thesmophorus
Thespisia
Thespisius
Thespiæ
Thesian
Thespian art
Thespis
Thespius
Thesproti
Thesprotia
Thesprotians
Thesprotis
Thess
Thessa
Thessalian
Thessalonian
Thessalonians
Thessalonica
Thessalonike
Thessalonki
Thessalus
Thessaly
Thestius
Thestor
Theta
Thetes
Thetford
Thetford Mines
Thetis
Thetisa
Thetos
Theurer
Theurich
Thevenot
Thevetia
Thia
Thian Shan sheep
Thiatsi
Thiazi
Thibaud
Thibault
Thibaut
Thibetan
Thibodaux
Thich Tam Chau
Thida
Thief River Falls
Thief of Baghdad
Thielavia
Thielaviopsis
Thielen
Thiells
Thiensville
Thier
Thierry
Thierry Tulasne
Thiers
Thieves’ Carnival
Thilanottine
Thilda
Thilde
Thonburi
Thondracians
Thondraki
Thondrakians
Thonga
Thonotosassa
Thoon
Thor
Thor Able Star
Thor Heyerdahl
Thor-Agena
Thor-Delta
Thora
Thoracica
Thoracostei
Thoracostraca
Thorazine
Thorbert
Thorbjorn Falldin
Thorburn
Thordia
Thordis
Thoreau
Thoreauvian
Thorez
Thorfinn
Thorin
Thorlay
Thorley
Thorlie
Thorma
Thorman
Thormora
Thorn
Thorburg
Thorcombe
Thorndale
Thorndike
Thorndyke
Thorne
Thornier
Thornton
Thornfield
Thorrie
Thornton
Thorntown
Thorntown
Thorwn
Thorwood
Thorony
Thorough
Thoroughbred
Thorp
Thorpe
Thorr
Thorlow
Thorsby
Thorshavn
Thorstein
Thorsten
Thorvald
Thorvaldsen
Thorwald
Thorwaldsen
Thos
Thoth
Thothmes III
Thousand Guineas
Thousand Island dressing
Thousand Islands
Thousand Oaks
Thousand and One Nights
Thousand and One Nights, The
Thrace
Thraces
Thracian
Thraoco-Illyrian
Thraoco-Phrygian
Thraoco-phrygian
Thrale
Thrasher
Thrasybulus
Thraupidae
Thrax
Threadneedle Street
Three
Three Fires
Three Kings
Three Kings of Cologne
Three Kings' Day
Three Lives
Three Musketeers, The
Three Rivers
Three Signs of Being
Three Wise Men
Three in One and One in Three
Three-cornered Hat
Three-cornered Hat, The
Threefold Unity
Threepenny Opera, The
Threlkeld
Threskiornithidae
Threskiornithinae
Thrift
Thrax
Thripidae
Throckmorton
Thrombolysin
Throop
Throttlebottom
Through the Looking-Glass
Thrsieux
Thruthheim
Thruthvang
Thruway
Thrymheim
Thryonomys
Thsos
Thuban
Thucydidean
Thucydides
Thuidium
Thuja
Thujopsis
Thule
Thule culture
Thulite pink
Thumbelina
Thummim
Thun
Thunar
Thunbergia
Thunder Bay
Thunell
Thuner See
Thunniidae
Thunnus
Thunor
Thur
Thurber
Thurberia
Thurberia weevil
Thurgau
Thurgood
Thuringer
Thuringia
Thuringian
Thuringian Forest
Thurio
Thurlough
Thurlow
Thurman
Thurmann
Thurmond
Thurmont
Thurnau
Thurnia
Thurniaceae
Thurs
Thursby
Thursday
Thursday Island
Thursdays
Thurso's Landing
Thurstan
Thurston
Thury
Thury thread
Thushi
Thutmose III
Thuyopsis
Thwing
Thyatira
Thyeiads
Thyestean
Thyestean banquet
Thyestes
Thyiad
Thyiades
Thylacoleo
Thylacynus
Thymallidae
Thymallus
Thymbraeus
Thymelaela
Thymelaeaceae
Thymelaeales
Thymoetes
Thymus
Thynne
Thynnidae
Thyone
Thyraden
Thyratron
Tiburtine
Tiburtine sibyl
Tica
Tice
Tichnor
Tichodroma
Tichon
Tichonn
Ticino
Tickfaw
Ticknor
Ticon
Ticonderoga
Ticuna
Ticunan
Tideswell
Tidioute
Tidwell
Tiebold
Tiebout
Tieck
Tiedeman
Tiemroth
Tien
Tien Shan
Tiena
Tientsin
Tiepolo
Tierell
Tiergarten
Tierman
Tierney
Tierra del Fuego
Tiersten
Tiertza
Tierza
Tiesiding
Tieton
Tietze's extension theorem
Tifanie
Tiff
Tiffa
Tiffani
Tiffanie
Tiffanne
Tiffany
Tiffany glass
Tiffany setting
Tiffi
Tiffie
Tiffin
Tiffy
Tiflis
Tifton
Tiga
Tiger balm
Tigerton
Tigerville
Tigges
Tight Little Island
Tiglath-pileser I
Tiglath-pileser III
Tignall
Tigr
Tigrail
Tigre
Tigrean
Tigrett
Tigridia
Tigrina
Tigrinya
Tigris
Tigua
Tigurine
Tihwa
Tijeras
Tijuana
Tiki
Tila
Tilburg
Tilbury
Tilda
Tilden
Tildi
Tildie
Tildy
Tiler
Tilford
Tilghman
Tilia
Tiliaceae
Tiline
Till
Till Eulenspiegel
Tilla
Tillaea
Tillaeastrum
Tillamook
Tillandsia
Tillar
Tillatoba
Tilleda
Tiller
Tillery
Tilletia
Tilletiaceae
Tillford
Tillfoured
Tilli
Tillich
Tillie
Tillinger
Tillio
Tillion
Tillman
Tillo
Tillodontia
Tillodontidae
Tillotson
Tillson
Tilly
Tilney
Tiloine
Tilsit
Tilsiter
Tilton
Tiltonsville
Tim
Tim Krumrie
Tim Teuful
Tima
Timaeus
Timalia
Timaliidae
Timaliinae
Timandra
Timani
Timaru
Timberville
Timbira
Timblin
Timbo
Timbuktu
Time
Time and tide stayeth for no man
Time rolls his ceaseless course
Time's revolving wheels
Time's winged chariot
Timelia
Timeliidae
Times Roman
Times Square
Timewell
Timex
Timi
Timias
Timisoara
Timken
Timm Rosenbach
Timmi
Timmie
Timmons
Timmonsville
Timms
Timmy
Timnath
Timne
Timocharis
Timofei
Timoleon
Timon
Timon of Athens
Timonian
Timonism
Timonist
Timonistic
Timonium
Timonize
Timor
Timor Sea
Timorese
Timoshenko
Timote
Timotean
Timoteo
Timothea
Timothean
Timothee
Timotheus
Timothy
Timour
Timpson
Timucua
Timucuan
Timuquan
Timuquanan
Timur
Tin Pan Alley
Tina
Tinamidae
Tinaret
Tindal
Tindale
Tindall
Tine
Tineidae
Tineina
Tineoidea
Ting
Tingey
Tinggian
Tingidae
Tingis
Tingitidae
Tingley
Tinguian
Tini
Tinia
Tinley Park
Tinne
Tinni
Tinnie
Tino
Tinoceras
Tinsley
Tintagel Head
Tintah
Tintorettot
Tiny
Tiny Tim
Tinya
Tioga
Tiona
Tionesta
Tionontates
Tionontati
Tiossem
Tiou
Tiphane
Tiphani
Tisha
Tishab b'Ab
Tishah B'Av
Tishah b'Ab
Tishah b'Av
Tishiya
Tishomingo
Tishri
Tisiphone
Tiskilwa
Tisman
Tisserand
Tissot
Tisza
Tit
Tita
Titan
Titanesque
Titaness
Titania
Titanian
Titanic
Titanical
Titanically
Titanichthyidae
Titanichthys
Titanism
Titanlike
Titanolater
Titanolatry
Titanomachia
Titanomachy
Titanosaurus
Titanotheridae
Titanotherium
Tithonus
Tithymalopsis
Tithymalus
Titian
Titian-haired
Titian-red
Titanesque
Titanic
Titicaca
Tities
Titmarsh
Titmarshian
Tito
Titograd
Titoism
Titoist
Titonka
Titos
Titurel
Titus
Titusville
Tityre-tu
Tityus
Tiu
Tiv
Tiverton
Tivoli
Tiw
Tiwaz
Tizes
Tjaden
Tjader
Tjirebon
Tjon
Tl
Tlakluit
Tlapallan
Tlascalan
Tlaxcala
Tlemcen
Tlemsen
Tlepolemus
Tletsiki
Tlingit
Tlingits
Tlinkit
Tlinkits
Tm
Tmesipteris
Tng
To Althea from Prison
To His Coy Mistress
To Lucasta Going to the Wars
To a Skylark
To be young was very Heaven
Toaalta
Toabaja
Toag
Toano
Tob
Toba
Tobacco Road
Tobaccoville
Toback
Tobago
Tobe
Tobey
Tobi
Tobiah
Tobias
Tobie
Tobies
Tobikhar
Tobin
Tobinsport
Tobit
Tobol
Tobolsk
Tobruk
Toby
Toby Fillpot jug
Toby jug
Toby-jug
Toby
Tobyhanna
Toe H
Toe h
Tocantins
Tocci
Toccoa
Toccopola
Tocharese
Tocharian
Tocharic
Tocharish
Tocobaga
Tocsin
Tod
Tod in Venedig, Der
Toda
Todd
Todd Lichti
Toddie
Toddville
Todd
Todea
Todhunter
Todidae
Todt
Todus
Toffey
Toffic
Tofieldia
Toft
Toft ware
Tofte
Togliatti
Togo
Togoland
Togolander
Togolese
Toh
Tohatchi
Tohome
Toiboid
Toinette
Toivola
Tojo
Tokay
Tokeland
Tokelau
Tokharian
Tokio
Toklas
Tokugawa
Tokugawa Ieyasu
Tokyo
Tokyo Bay
Tokyoite
Tol
Toland
Tolar
Tolbert
Toledan
Toledo
Toledoan
Toler
Toleration Act
Toletan
Tolima
Tolkan
Toll
Toll House cookie
Tolland
Toller
Tollesboro
Tolleson
Tomales
Tomas
Tomasina
Tomasinne
Tomaso
Tomasz
Tombalbaye
Tomball
Tombaugh
Tombean
Tombigbee
Tombouctou
Tomchay
Tome
Tomki
Tomistoma
Tomkiel
Tomkin
Tomkins
Tomlin
Tomlinson
Tommaso
Tomme
Tommer
Tommi
Tommie
Tomming
Tommy
Tommy Atkins
Tommy Chaiken
Tommy gun
Tommye
Tomonaga
Tomopteridae
Tomopteris
Tomoyuki
Tompion
Tompkins
Tompkinsville
Toms
Toms River
Tomsbrook
Tomsk
Tomtitmouse
Ton Duc Thang
Ton Ton Macoutes
Tonalea
Tonasket
Tonawanda
Tonbridge
Toney
Tonga
Tonga Islands
Tongan
Tonganoxie
Tongas
Tongking
Tongrian
Tongue
Toni
Tonia
Tonica
Tonie
Tonies
Tonikan
Tonina
Tonjes
Tonkawa
Tonkawan
Tonkin
Tonkinese
Tonking
Tonl
Tonle Sap
Tonna
Tonneson
Tonnie
Tonnies
Tonopah
Tonry
Tontitown
Tonto
Tontobasin
Tontogany
Tony
Tony Coelho
Tony Larussa
Tony Mandarich
Tony Tanti
Tony Trabert
Tonya
Toney
Tooele
Toogood
Tooke
Toole
Tooley
Toolis
Toomay
Toombs
Toomin
Toomsboro
Toomsuba
Toona
Toone
Toor
Tootsie
Toowoomba
Top-kapu
Topanga
Topatopa
Topawa
Topaze
Topeka
Topelius
Tophet
Topheth
Topinabee
Topinish
Topliffe
Topock
Toponas
Toppenish
Topper
Topping
Topsail Beach
Topsfield
Topsham
Topsy
Topsy-fashion
Topton
Toquerville
Tor
Tor Bay
Tor boys
Tora
Torah
Torah scroll
Toraja
Torbart
Torbay
Torbert
Tordesillas
Tore
Toreador Fresco, The
Torelli
Torenia
Torey
Torey Luvullo
Torgot
Torhert
Tori
Torie
Tories
Toriest
Torified
Torilis
Torin
Torinese
Toriness
Torino
Tormoria
Tonnillo
Tornit
Toromona
Toronto
Torontonian
Torosaurus
Torosian
Torp
Torpedinidae
Torquato
Torquay
Torquemada
Torr
Torrance
Torras
Torry
Torre
Torre del Greco
Torrejon formation
Torrell
Torrence
Torrens
Torrens system
Torrens title
Torreon
Torres
Torres Strait
Torrey
Torreya
Torricelli
Torricellian
Torricellian tube
Torricellian vacuum
Torrid Zone
Torridonian
Torrie
Torrin
Torrington
Torlow
Torrubia
Torruella
Torry
Torte
Tortelier
Torto
Tortola
Tortonian
Tortosa
Tortricidae
Tortricula
Tortricoidea
Tortrix
Tortuga
Tortulaceae
Toru
Torun
Tory
Tory Party
Tory democracy
Tory democrat
Tory-hating
Tory-irish
Tory-leaner
Tory-radical
Tory-ridden
Tory-voiced
Torydom
Toryess
Toryification
Toryfy
Toryish
Toryism
Toryistic
Toryize
Toryship
Tosca
Toscanca
Toscanini
Toscano
Tosch
Tosephta
Tosephitas
Toshiba
Toshiki Kaifu
Toshiko
Tosk
Toskish
Toston
Totanus
Toth
Totipalmatae
Totleben
Totonac
Totonacan
Totonaco
Totoro
Totowa
Tottenham
Tottie
Totz
Touber
Toucanid
Touchet
Tougaloo
Touggourt
Toughkenamon
Toul
Toulon
Toulouse
Toulouse-Lautrec
Tounatea
Tound
Tour
Touraine
Tourane
Tourcoing
Tourre
Tournai
Tournay
Tournefortia
Tournefortian
Tourneur
Tours
Toussaint L'Ouverture
Toutle
Tova
Tovaria
Tovariaceae
Tove
Tovey
Towaco
Towanda
Towaoc
Towbin
Tower
Tower Hamlets
Tower of Babel
Tower of London
Tower weight
Towers
Towill
Towland
Town
Towne
Towner
Townes
Towney
Townie
Townley
Townsend
Townsend avalanche
Townsend plan
Townsend's solitaire
Townsendia
Townsendite
Townshend
Townshend Acts
Townsville
Townville
Towny
Towrey
Towroy
Towson
Toxeus
Toxey
Toxicodendron
Toxiferan
Toxodon
Toxodontia
Toxoglossa
Toxostoma
Toxotes
Toxotidae
Toxylon
Tragasol
Tragelaphus
Trager
Tragopogon
Tragulidae
Tragulina
Traguloidea
Tragulus
Trahern
Trahern
Trahurn
Traill's flycatcher
Trainer
Trainor
Trajan
Trakas
Trapee
Tralles
Trallian
Trametes
Traminer
Trammel
Trampas
Tran
Tran Buu Kiem
Tran Thien Khiem
Tranquada
Tranquility
Tranquillity
Trans-Jordan
Trans-New Guinea phylum
Trans-Siberian Railroad
Trans-Siberian Railway
Trans-acherontic
Trans-adriatic
Trans-african
Trans-algerian
Trans-alleghenian
Trans-altaiian
Trans-american
Trans-andean
Trans-andine
Trans-antarctic
Trans-apennine
Trans-arabian
Trans-asian
Trans-australian
Trans-austrian
Trans-balkan
Trans-baltic
Trans-canadian
Trans-carpathian
Trans-caspian
Trans-congo
Trans-cordilleran
Trans-danubian
Trans-egyptian
Trans-euphratean
Trans-euphrates
Trans-euphratic
Trans-eurasian
Trans-gangetic
Trans-germanic
Trans-grampian
Trans-himalayan
Trans-hispanic
Trans-iberian
Trans-indus
Trans-iraq
Trans-jordan
Trans-jovian
Trans-kei
Trans-libyan
Trans-manchurian
Trans-martian
Trans-mersey
Trans-mississipi
Trans-mongolian
Trans-neptunian
Trans-niger
Trans-paraguayan
Trans-persian
Trans-pyrenean
Trans-rhenish
Trans-sahara
Trans-saharan
Trans-saturnian
Trans-severn
Trans-siberian
Trans-stygian
Trans-tiberine
Trans-ural
Trans-uranian
Trans-volga
Trans-zambezian
TransJordan
Transalpine Gaul
Transcaucasia
Transcaucasian
Transfiguration
Transit
Transite
Transition series
Transition zone
Transitional
Transjordanian
Transkei
Transtevene
Transvaal
Transvaal daisy
Transvaal jade
Transvaaler
Transvaalian
Transylvania
Transylvanian
Transylvanian Alps
Trant
Tranzschelia
Trapa
Trappaceae
Trapani
Trappe
Trappe, La
Trappism
Trappist
Trappist cheese
Trappistes
Trappistine
Trasentine
Trasimene
Trasimeno
Trasimenus
Trask
Traskwood
Trastevere
Trasteverine
Tratner
Trauner
Traunik
Trautman
Trautvetteria
Travancore
Travax
Traver
Travers
Traviata, La
Travis
Travnicki
Travus
Traweek
Tray
Treacy
Treadway
Treadwell
Treasure Island
Treasurer
Treasury
Treasury Bench
Treasury bill
Treat
Trebbia
Trebellian
Trebizond
Treblinka
Trebluc
Treculia
Tree
Treece
Trefler
Trefor
Trego
Treharne
Treiber
Treichlers
Treitschke
Trela
Trelew
Trella
Trellas
Treloar
Trelu
Trema
Tremadoc slates
Tremain
Tremaine
Tremandra
Tremandraceae
Tremann
Trematoda
Trematodea
Trematodes
Trematosaurus
Trigonocephalus
Trigynia
Trikora
Trilafon
Trilibee
Trilibi
Trilibie
Triliby
Triley
Trilisa
Trill
Trilla
Trillbee
Trillby
Trilley
Trilliaceae
Trillium
Trilly
Trilobita
Trilophodon
Trimble
Trimera
Trimeresurus
Trimmer
Trimont
Trimurti
Trin
Trina
Trinacria
Trinacrian
Trinatte
Trinchera
Trincomalee
Trincomali
Trinee
Trinetta
Trinette
Tringa
Trini
Trinia
Trinidad
Trinidad and Tobago
Triniladjan
Trinil
Trinil man
Trinitarian
Trinitarianism
Trinity
Trinity Brethren
Trinity House
Trinity Sunday
Trinity in Unity
Trinity season
Trinity sitting
Trinity sunday
Trinity term
Trinkgeld
Tril
Trinobantes
Trinorantum
Trinovant
Trinovantes
Trinucleus
Trinway
Triny
Trio
Triodon
Triodontes
Triodontidae
Triodontoidea
Triodontoidei
Triodontophorus
Trioezia
Trion
Trional
Trionychidae
Trionychoideachid
Trionyx
Triopidae
Triops
Triosteum
Trip
Triphasia
Triphora
Triphysite
Tripitaka
Triplaris
Triple Alliance
Triple Aurore
Triple Entente
Triple Sec
Triplett
Triplex
Triplice
Triplacist
Triplochitonaceae
Tripoli
Tripoline
Tripolitan
Tripolitania
Tripp
Tripsacum
Triptolemos
Triptolemus
Tripura
Tripylaea
Tripylarian
Triratna
Tris
Trisa
Trisagion
Trisetum
Trish
Trisha
Trismegistus
Trisotropis
Trista
Tristam
Tristan
Tristan and Isolde
Tristan da Cunha
Tristan und Isolde
Tristania
Tristas
Tristichaceae
Tristis
Tristram
Tristram Shandy
Tristrem
Triteleia
Trithrinax
Triticum
Tritogeneia
Tritoma
Triton
Tritoness
Tritonia
Tritonic
Tritonidae
Tritonis
Trituberculata
Triturus
Tritylodon
Triumfetta
Triumph
Triune
Triune God
Triunitarian
Triunity
Triuridaceae
Triuridales
Triuris
Trivandrum
Trivoli
Trix
Trixi
Trixie
Trixy
Trizonia
Tro
Troad
Troas
Trobriand Islands
Trochaic
Trochalopoda
Trochelminthes
Trochidae
Trochila
Trochili
Trochilus
Trochius
Trochodendraceae
Trochodendron
Trochosphaera
Trochosphaerida
Trochozoa
Trochus
Trocki
Troezenan
Troglodytes
Troglodytidae
Troglodytinae
Trogones
Trogonidae
Trogoniformes
Troiaades
Troic
Troilus
Troilus and Cressida
Troilus and Criseyde
Trois Mousquetaires Les
Trois Rivi
Trois-Rivieres
Trojan
Trojan Horse
Trojan War
Trojan Women, The
Trojan group
Trojan horse
Trojan sibyl
Trojan-horse
Trollius
Trollope
Trollopean
Trollopeanism
Trollopian
Trombidiidae
Trombidium
Trometer
Tromp
Tromso
Trol
Trona
Trondheim
Trondhjem
Tronna
Tropaean
Tropaeolum
Tropeolin
Trophis
Trophonian
Tropic of Cancer
Tropic of Capricorn
Tropicalia
Tropicalian
Tropidoleptus
Tros
Trosky
Trosper
Trossachs
Trot
Troth
Trotman's anchor
Trotsky
Trotskyism
Trotskyist
Trotskyist International
Trotskyite
Trotta
Trotter
Trotters
Trotwood
Troubetzkoy
Troup
Troupsburg
Trout
Troutdale
Troutman
Troutville
Trouvelot
Trouville
Trouvillon
Trow
Trowbridge
Troxell
Troxelville
Troy
Troyes
Troynovant
Troyon
Troytown
Trst
Trstram
Trubetskoi
Trubetzkoj
Trubow
Truc
Truce of God
Trucial Coast
Trucial Oman
Trucial States
Trucial sheikdoms
Truckee
Truckles
Truda
Trude
Trudeau
Trudey
Trudi
Trudie
Trudnak
Trudy
True
Trueblood
Truelove
Trueman
Truesdale
Trufant
Truitt
Trujillo
Truk
Truk Islands
Trula
Trullan
Trumaine
Truman
Truman Doctrine
Trumann
Trumansburg
Trumbauersville
Trumbull
Truncatella
Truncatellidae
Truro
Truscott
Trussville
Trust
Trusteeship Council
Truth
Trutko
Trutta
Truxton
Tryck
Trygon
Trygonidae
Trygve
Trygve Bratteli
Tryon
Trypaneidae
Trypanosoma
Trypanosomatidae
Tryparsamide
Trypeta
Trypetidae
Tryphena
Tryphosa
Ts'ao Kuo-ch'iu
Tsai
Tsai Shen
Tsan
Tsana
Tsana Lake
Tsao Chin
Tsaritsyn
Tsattine
Tschaikovsky
Tscherkess
Tse
Tselinograd
Tseng
Tshi
Tshiluba
Tshombe
Tsiltaden
Tsimshian
Tsimshians
Tsinghai
Tsingyuan
Tsinkiang
Tsiolkovsky
Tsiranana
Tsitsihar
Tsoneca
Tsonecan
Tsonga
Tsuda
Tsuga
Tsugaru Strait
Tsugouharu
Tsui
Tsukahara
Tsuma
Tsung-li yamen
Tsushima
Tsushima current
Tsuttsutsi
Tswana
Tswanas
Tu
Tualati
Tualatin
Tuamotu
Tuamotu Archipelago
Tuamotuan
Tuareg
Tuba
Tubac
Tubal-cain
Tubalcain
Tubatulabal
Tubb
Tuberaeae
Tuberales
Tubercularia
Tuberculariaceae
Tubicola
Tubicolae
Tubifex
Tubificidae
Tubiflorales
Tubinares
Tubingen
Tubipora
Tubiporidae
Tubman
Tubuai Islands
Tubularia
Tubulariae
Tubularida
Tubulariidae
Tubulibranchiata
Tubulidentata
Tubulifera
Tubulipora
Tubuliporidae
Tubus astronomicus
Tucana
Tucanae
Tucano
Tuchman
Tuck
Tuckahoe
Tuckasegee
Tucker
Tuckerman
Tuckerton
Tuckie
Tucky
Tucson
Tucum
Tucuman
Tucumcari
Tucuna
Tuddor
Tudela
Tudesque
Tudor
Tudor arc
Tudor arch
Tudoresque
Tues
Tuesday
Tuesdays
Tufts
Tugela
Tugman
Tuileries
Tuinal
Tuinal pill
Tuinenga
Tujunga
Tukuler
Tukulor
Tula
Tulalip
Tulane
Tulare
Tulare County
Tularosa
Tulbaghia
Tulear
Tuleta
Tulia
Tulipa
Tulkepaia
Tull
Tullahassee
Tullahoma
Tulle
Tulley
Tullia
Tullian
Tullio
Tullius
Tullos
Tullus
Tullusus
Tully
Tulostoma
Tulsa
Tulu
Tulua
Tumacacori
Tumaco
Tumbes
Tumboya
Tumer
Tumion
Tums
Tumupasa
Tumwater
Tunas
Tunbridge Wells
Tuneberg
Tunebo
Tung
Tung Wang Kung
Tung-hu
Tunga
Tungan
Tungar Tube
Tungar rectifier
Tungting
Tungus
Tunguses
Tungusian
Tungusic
Tunguska
Tunica
Tunican
Tunicata
Tunis
Tunisia
Tunisian
Tunker
Tunkhannock
Tunnell
Tunnelton
Tunney
Tunnit
Tuolumne
Tuonela
Tupaía
Tupaiidae
Tupamaro
Tupelo
Tupi
Tupi-Guarani
Tupi-Guaranian
Tupi-guarani
Tupi-guaranian
Tupian
Tupinamba
Tupinaqui
Tupis
Tupler
Tupman
Tupolev
Tuppeny
Tupper Lake
Tupperian
Tupperish
Tupperism
Tupperize
Tupungato
Tura
Turacus
Turandot
Turanian
Turanianism
Turanism
Turbellaria
Turbeville
Turbinella
Turbinellidae
Turbinidae
Turbo
Turbotville
Turcian
Turcic
Turcification
Turcism
Turcize
Turco
Turcoman
Turcomans
Turcophile
Turcophilism
Turcos
Turdetan
Turdidae
Turdinae
Turdus
Turenne
Turgenev
Turgenev
Turgot
Turi
Turin
Turina
Turing
Turing machine
Turino
Turishcheva
Turk
Turk's-cap cactus
Turk's-cap lily
Turk's-head
Turk's-head cactus
Turkana
Turkdom
Turkery
Turkess
Turkestan
Turkey
Turkey Adana
Turkey carpet
Turkey oak
Turkey red
Turkey umber
Turkey-carpeted
Turkeydom
Turkeyism
Turki
Turkic
Turkicize
Turkification
Turkify
Turkish
Turkish Empire
Turkish bath
Turkish carpet
Turkish cat
Turkish coffee
Turkish crescent
Turkish delight
Turkish knot
Turkish paste
Turkish pound
Turkish rug
Turkish runic
Turkish tobacco
Turkish towel
Turkish-blue
Turkishly
Turkishness
Turkism
Turkistan
Turkize
Turklike
Turkman
Turkmen
Turkmenian
Turkmenistan
Turko-Tartar
Turko-albanian
Turko-bulgarian
Turko-bulgarian
Turko-byzantine
Turko-cretan
Turko-egyptian
Turko-german
Turko-greek
Turko-imamic
Turko-iranian
Turko-italian
Turko-mongol
Turko-persian
Turko-popish
Turko-tatar
Turko-tataric
Turko-teutonic
Turko-ugrian
Turko-venetian
Turkologist
Turkology
Turkoman
Turkoman carpet
Turkoman rug
Turkomania
Turkomanic
Turkomanize
Turkomans
Turkomen
Turkophil
Turkophile
Turkophilia
Turkophilism
Turkophobe
Turkophobia
Turkophobist
Turks and Caicos Islands
Turku
Turley
Turlock
Turlupin
Turmel
Turn of the Screw, The
Turnbull
Turnbull's blue
Turne
Turner
Turner's syndrome
Tuscarawas
Tuscarora
Tuscarora rice
Tuscaroras
Tuscola
Tusculan
Tusculum
Tuscumbia
Tush
Tushepaw
Tuskahoma
Tuskegee
Tussaud
Tussilago
Tussy
Tustin
Tut
Tutankhamen
Tutankhamon
Tutankhamun
Tutelo
Tutenkhamon
Tutorkey
Tutt
Tuttle
Tutto
Tutuila
Tutuiian
Tututni
Tutwiler
Tuvalu
Tuvinian ASSR
Tuxedo
tuxedo coat
Tuxedo jacket
Tuxtla
Tuxtla Gutierrez
Tuyuneiri
Tuzla
Tver
Twaddell
Twain
Twana
Twedy
Tweed
Tweeddale
Tweedledum and Tweedledee
Tweedsmuir
Twelfth Day
Twelfth Night
Twelfth-day
Twelfth-night
Twelfth-tide
Twelfth-tide
Twelve
Twelve Tables
Twelve Tables, The
Twelver
Twenty-ounce
Twenty-six Men and a Girl
Twi
Twice-Told Tales
Twickenham
Twila
Twilight of the Gods
Twin Cities
Twin Falls
Twin Stars
Twinbrooks
Twining
Twinoaks
Twins
Twinsburg
Twisp
Twitt
Twittering Machine, The
Two Gentlemen of Verona, The
Two Harbors
Two Sicilies
Two Years Before the Mast
Two-and-a-half International
Two-kettle
Twombly
Twum
Twyla
Ty
Tyan-Shan
Tyaskin
Tybald
Tybalt
Tybi
Tybie
Tyburn
Tyburn tree
Tyburnian
Tyche
Tyngsboro
Tynwald
Typees
Typewriter
Typha
Typhaceae
Typhlmolge
Typhlopidae
Typhlops
Typhoean
Typhoeus
Typhoid Mary
Typhon
Typhonian
Typhonic
Typhula
Typotheria
Typotheriidae
Tyr
Tyra
Tyrenni
Tyrannidae
Tyrannides
Tyranninae
Tyrannosaurus
Tyrannus
Tyre
Tyree
Tyrian
Tyrian dye
Tyrian purple
Tyro
Tyroglyphidae
Tyroglyphus
Tyrol
Tyrolean
Tyrolese
Tyrolienne
Tyroliennes
Tyrone
Tyrone Fahner
Tyronza
Tyr
Tyrrell
Tyrrehene
Tyrreni
Tyrrenian
Tyrrenian Sea
Tyrrhenum
Tyrrheus
Tyrrhus
Tyrsenoi
Tyrtaean
Tyrtaeus
Tyrus
Tyson
Tyto
Tytonidae
Tyty
Tyumen
Tyzine
Tzaam
Tzanis Tzannetakis
Tzapotec
Tzekung
Tzendal
Tzental
Tzigane
Tziganies
Tzigany
Tzong
Tzotzil
Tzu-chou
Tzu-po
Tzutuhil
U
U Nu
U Thant
U bolt
U magnet
U pin
U plate
U rail
U section
U trap
U tube
U valley
U’s
U-boat
U-boot
U-cut
U-shaped
U-stirrup
U-turn
U/S
UA
UAB  
UAE  
UAM  
UAPDU  
UAR  
UARS  
UART  
UAW  
UB  
UBA  
UBC  
UBM  
UC  
UCAR  
UCB  
UCC  
UCCA  
UCD  
UCI  
UCL  
UCLA  
UCR  
UCSB  
UCSC  
UCSD  
UCSF  
UDA  
UDB  
UDC  
UDI  
UDMH  
UDP  
UDR  
UDT  
UEC  
UEL  
UFC  
UFO  
UFS  
UG  
UGC  
UH  
UHF  
UI  
UIC  
UID  
UIL  
UIMS
UIP
UIT
UITP
UIUC
UK
UKST
UL
ULANA
UMT
UMW
UN
UNCIO
UNCLE
UNCTAD
UNDR
UNEF
UNESCO
UNHCR
UNICEF
UNICS
UNIDO
UNISTAR
UNIVAC
UNIX
UNMA
UNO
UNRRA
UNRWA
UP
UPC
UPDS
UPI
UPS
UPU
UPWA
UR
URC
UREP
US
US Air Force
US Air Force Academy
US Air Force Reserve
US Army Air Force
US Army Reserve
US Cabinet
US Coast Guard Academy
US Coast Guard Reserve
US Customs Service
US Marine Corps Reserve
US Merchant Marine Academy
US Military Academy
US National Air Service
US Naval Academy
US Naval Reserve
US agency
US attorney
US cavalry saddle
US dry measure
US highway
US liquid measure
US money
USA
USAAF
USAC
USAF
USAF A
USAN
USAR
USB
USC
USC&GS
USCA
USCG
USD
USDA
USE
USECC
USES
USFL
USG
USGA
USGS
USHA
USHGA
USIA
USIS
USITA
USL
USLTA
USM
USMA
USMC
USMP
USN
USNA
USNAS
Ubiquarian
Ubiquist
Ubiquitarian
Ubiquitarianism
Ubiquitism
Ubiquitist
Ubly
Ubu Roi
Uca
Ucal
Ucalegon
Ucayale
Ucayali
Uccello
Uchean
Uchee
Uchida
Uchish
Ucon
Ud
Uda
Udaipur
Udale
Udall
Udela
Udele
Udell
Udella
Udelle
Udi
Udic
Udine
Udish
Udolphoish
Uds
Uehling
Uel
Uela
Uele
Uella
Ueueteotl
Ufa
Uffizi
Uganda
Ugandan
Ugarit
Ugaritian
Ugaritic
Ugarono
Ugo
Ugrian
Ugric
Ugro-Finnic
Ugro-altaic
Ugro-aryan
Ugro-finn
Ugro-finnic
Ugro-finnish
Ugro-slavonic
Ugro-tatarian
Ugroid
Uhde
Uhland
Uhrichsville
Uhro-rusinian
Uighur
Uigur
Uigurian
Uiguric
Uinta
Uinta Mountains
Uintatheriidae
Uintatherium
Uird
Uirina
Uis
Uitlander
Uitotan
Uitzilopochtli
Ujiji
Ujjain
Ujpest
Ujung Pandang
Uke
Ukiah
Ukr
Ukraina
Ukraine
Ukrainer
Ukrainian
Ul
Ula
Ulah
Ulan
Ulan Bator
Ulan Ude
Ulric
Ulrica
Ulrich
Ulrick
Ulrika
Ulrikaumeko
Ulrike
Ulrike Maier
Ulster
Ulster Defence Association
Ulsterian
Ulsterite
Ulsterman
Ultan
Ultann
Ultima
Ultima Thule
Ultonian
Ultor
Ultra-anglican
Ultra-byronic
Ultra-byronism
Ultra-calvinist
Ultra-christian
Ultra-english
Ultra-english
Ultra-french
Ultra-french
Ultra-gallican
Ultra-gangetic
Ultra-german
Ultra-julian
Ultra-lutheran
Ultra-lutheranism
Ultra-martian
Ultra-neptunian
Ultra-pauline
Ultra-pecksniffian
Ultra-pluralism
Ultra-pluralist
Ultra-presbyterian
Ultra-puritan
Ultra-puritanical
Ultra-romanist
Ultra-tory
Ultra-toryism
Ultra-whig
Ultrasuede
Ultun
Ulu
Ulu-juz
Ulua
Ulund
Ulva
Ulvaeeae
Ulvaes
Ulva
Ulyanovsk
Ulyssan
Ulysses
Uma
Umatilla
Umaua
Umayyad
Umberger
Umbellales
Umbelliferae
Umbellula
Umbellularia
Umbellularidae
Umerto
Umerto I
Umbilicaria
Umbra
Umbria
Umbrian
Umbrian school
Umbriel
Umbro-etruscan
Umbro-florentine
Umbro-latin
Umbro-ocan
Umbro-roman
Umbro-sabellian
Umbro-sannite
Umbro-sienese
Umbundu
Ume
Umea
Umeh
Umeko
Ummersen
Umont
Umpqua
Umiali
Un
Un Ballo in Maschera
Un-african
Un-american
Un-americanism
Un-americanization
Un-americanize
Un-anacreontic
Un-anglican
Un-anglicized
Un-asiatic
Un-athenian
Un-attic
Un-augian
Un-australian
Un-babylonian
Un-biblical
Un-biblically
Un-bostonian
Un-brahminic
Un-brazilian
Un-british
Un-buddhist
Un-chinese
Un-christlike
Un-christlikeness
Un-christliness
Un-christly
Un-christmaslike
Un-dominican
Un-doric
Un-egyptian
Un-elizabethan
Un-english
Un-englished
Un-englishmanlike
Un-etruscan
Un-european
Un-fenian
Un-finnish
Un-flemish
Un-florentine
Un-franciscan
Un-french
Un-georgian
Un-german
Un-germanic
Un-germanize
Un-grandisonian
Un-grecian
Un-greek
Un-gregorian
Un-hamitic
Un-hebraic
Un-hebrew
Un-hellenic
Un-ibernically
Un-hindu
Un-homeric
Un-horatian
Un-iberian
Un-icelandic
Un-indian
Un-indianlike
Un-ionic
Un-iranian
Un-irish
Un-irishly
Un-italian
Un-italianate
Un-jacobean
Un-japanese
Un-jeffersonian
Un-johnsonian
Un-judaize
Un-kantian
Un-korean
Un-lacedaemonian
Un-latin
Un-lutheran
Un-machiavellian
Un-magyar
Un-malay
Un-maltese
Un-manichaeanize
Un-mediterranean
Un-methodize
Un-mexican
Un-miltonic
Un-mohammedan
Un-mongolian
Un-moorish
Un-mormon
Un-mosaic
Un-moslem
Un-moslemlike
Un-neapolitan
Un-norman
Un-norwegian
Un-olympian
Un-ovidian
Un-parisian
Un-parisianized
Un-peloponnesian
Un-persian
Un-petrarchan
Un-philadelphian
Un-pindaric
Un-pindarical
Un-pindarically
Un-platonic
Un-platonically
Un-polish
Un-portuguese
Un-presbyterian
Un-protestant
Un-protestantlike
Un-prussian
Un-prussianized
Un-pythagorean
Un-roman
Un-romanize
Un-romanized
Un-saracenic
Un-saxon
Un-scotch
Un-scottish
Un-scripturality
Un-semitic
Un-serbian
Un-shakespearean
Un-siberian
Un-sicilian
Un-slavic
Un-socratic
Un-southern
Un-spaniardized
Un-spanish
Un-spartan
Un-spenserian
Un-sundaylike
Un-swedish
Un-swiss
Un-teutonic
Un-thespian
Un-tudor
Un-turkish
Un-tuscan
Un-vedic
Un-venetian
Un-vergilian
Un-victorian
Un-viennese
Un-virgilian
Un-virginian
Un-voltairian
Un-wagnerian
Un-washingtonian
Un-welsh
Un-wordsworthian
Un-yankee
Una
Una boat
Unadilla
Unakhotana
Unalachtigo
Unalaska
Unalaska Island
Unami
Unamuno
Uncaria
Uncasville
Uncinaria
Uncinata
Uncinula
Uncle
Uncle Remus
Uncle Sam
Uncle Sugar
Uncle Tom
Uncle Tom's Cabin
Uncle Vanya
Uncompahgre
Unders
Underwood
Undine
Undis
Undry
Undset
Une
Une Saison En Enfer
Uneeda
Unesco
Unfederated Malay States
Ungava
Unger
Ungley
Unguiculata
Ungulata
Uni
Uniat
Uniat Rites
Uniate
Uniate Rites
Uniatsim
Unicoi
Unifolium
Uniform Code of Military Justice
Uniformity Act
Unimak Island
Unio
Uniola
Union
Union Day
Union Flag
Union Jack
Union List of Serials
Union of South Africa
Uniondale
Unionhall
Unionidae
Unionism
Unionist
Unionist Party
Unionport
Uniontown
Unionville
Uniopolis
Uniroyal
Unit
Unit Citation
Unitarian
Unitarianism
Unitarianize
Unitas Fratrem
United
United Arab Emirates
United Arab Republic
United Arab States
United Brethren
Unix
Unjewish
Unkelos
Unknownable
Unknown American
Unknown Sea
Unknown Soldier
Unknown Warrior
Unni
Uno
Unona
Unrra
Unrussian
Unter den Linden
Untermeyer
Unterricht's disease
Unterseeboot
Unterwalden
Unuk la h
Unuk al hay
Unungun
Up-country
Up-state
Up-stater
Upali
Upanishad
Updike
Upham
Uphemia
Upington
Upis
Upland
Upolu
Upper Arlington
Upper Austria
Upper Burma
Upper Canada
Upper Chinook
Upper Cretaceous
Upper Egypt
Upper Michigan
Upper Palaeolithic
Upper Palatinate
Upper Peninsula
Upper Sandusky
Upper Silesia
Upper Tertiary
Upper Tunguska
Urban III
Urban IV
Urban V
Urban VI
Urban VII
Urban VIII
Urbana
Urbani
Urbanist
Urbanna
Urbannai
Urbannal
Urbano
Urbanus
Urbas
Urbicolae
Urceolina
Urd
Urdar
Urdu
Urdummheit
Urdur
Uredinales
Uredineae
Urediniopsis
Uredo
Urena
Urey
Urfa
Urga
Urgel
Urginea
Urgonian
Urho Kekkonen
Uri
Uria
Uriah
Uriah Heep
Urial
Urian
Urías
Urích
Uriel
Urien
Uriia
Uriiah
Uriiisa
Urim and Thummim
Urina
Urion
Uriss
Urissa
Urita
Urmia
Urmston
Uro
Urocerata
Uroceridae
Urochorda
Urocoptidae
Urocoptis
Urocyon
Urocystis
Urodelta
Uroglena
Uromastix
Uromyces
Uromycladium
Uropeltidae
Urophlyctis
Uropsilus
Uropygi
Urquhart
Ursa
Ursa Major
Ursa Minor
Ursae Majoris
Ursae Minoris
Ursae minorids
Ursal
Ursala
Ursas
Ursel
Ursi
Ursid
Ursidae
Ursina
Ursola
Urson
Ursprache
Ursula
Ursulette
Ursulina
Ursuline
Ursus
Urta-juz
Urtext
Urtica
Urticaceae
Urticales
Urticastrum
Uru
Uruapan
Uruguayana
Uruguay
Uruguayan
Uruk
Urukuena
Urumchi
Urumtsi
Urundi
Ury
Usanis
Usbeg
Usbegs
Usbek
Usbeks
Ushak
Ushant
Ushas
Usheen
Usher
Usherian
Ushijima
Usipetes
Usk
Uskara
Uskdar
Uskok
Uskub
Uskudar
Usnach
Usnea
Usneaceae
Uspallata Pass
Uspanteca
Ussher
Ussuri
Ust-Kamenogorsk
Ustarana
Ustashi
Ustbem
Ustilaginaceae
Ustilaginales
Ustilaginoidea
Ustilago
Ustinov
Ustulina
Ustyurt
Usumbura
Usun
Ut
Uta
Utah
Utahan
Utamaro
Utas
Ute
Utes
Utgard
Utgard-Loki
Utham
Uther
Uther Pendragon
Uthrop
Utica
Uticas
Utimer
Utley
Utman khel
Utnapishtim
Uto-Aztecan
Uto-aztecan
Utopia
Utopian
Utopianize
Utopianizer
Utraquism
Utraquist
Utrecht
Utrecht velvet
Utricularia
Utriculariaceae
Utrillo
Utsunomiya
Utta
Uttar Pradesh
Uttara Mimamsa
Uttasta
Uttar
Uttica
Uttu
V tool
V vat
V weld
V winding
V's
V-1
V-2
V-Day
V-E Day
V-I-P
V-J Day
V-blouse
V-bottom
V-eight
V-engine
V-formed
V-girl
V-grooved
V-mail
V-neck sweater
V-necked
V-particle
V-shaped
V-shaped comb
V-sign
V-type engine
V-weapon
V/STOL
V6
V8
VA
VA hospital
VAB
VABIS
VAC
VAD
VADS
VAFB
VAN
VANS
VAP
VAR
VASCAR
VASI
VAST
VAT
VAV
VAX
<table>
<thead>
<tr>
<th>VAXBI</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB</td>
</tr>
<tr>
<td>VC</td>
</tr>
<tr>
<td>VCCI</td>
</tr>
<tr>
<td>VCM</td>
</tr>
<tr>
<td>VCO</td>
</tr>
<tr>
<td>VCR</td>
</tr>
<tr>
<td>VCS</td>
</tr>
<tr>
<td>VCU</td>
</tr>
<tr>
<td>VD</td>
</tr>
<tr>
<td>VDC</td>
</tr>
<tr>
<td>VDE</td>
</tr>
<tr>
<td>VDFM</td>
</tr>
<tr>
<td>VDI</td>
</tr>
<tr>
<td>VDM</td>
</tr>
<tr>
<td>VDT</td>
</tr>
<tr>
<td>VDU</td>
</tr>
<tr>
<td>VE</td>
</tr>
<tr>
<td>VEEGA</td>
</tr>
<tr>
<td>VEU</td>
</tr>
<tr>
<td>VEX</td>
</tr>
<tr>
<td>VF</td>
</tr>
<tr>
<td>VFEO</td>
</tr>
<tr>
<td>VFO</td>
</tr>
<tr>
<td>VFR</td>
</tr>
<tr>
<td>VFS</td>
</tr>
<tr>
<td>VFW</td>
</tr>
<tr>
<td>VFY</td>
</tr>
<tr>
<td>VG</td>
</tr>
<tr>
<td>VGA</td>
</tr>
<tr>
<td>VGF</td>
</tr>
<tr>
<td>VGI</td>
</tr>
<tr>
<td>VHD</td>
</tr>
<tr>
<td>VHDL</td>
</tr>
<tr>
<td>VHF</td>
</tr>
<tr>
<td>VHS</td>
</tr>
<tr>
<td>VHSIC</td>
</tr>
<tr>
<td>VI</td>
</tr>
<tr>
<td>VIC</td>
</tr>
<tr>
<td>VIFRED</td>
</tr>
<tr>
<td>VILE</td>
</tr>
<tr>
<td>VINE</td>
</tr>
<tr>
<td>VINES</td>
</tr>
<tr>
<td>VIP</td>
</tr>
<tr>
<td>VIR</td>
</tr>
<tr>
<td>VISTA</td>
</tr>
<tr>
<td>VITA</td>
</tr>
<tr>
<td>VIU</td>
</tr>
</tbody>
</table>
VJ
VL
VLA
VLBA
VLBI
VLF
VLJW
VLSI
VLT
VM
VMC
VMCF
VMCMS
VMD
VME
VMM
VMOS
VMR
VMRS
VMS
VMSP
VMTP
VN
VNF
VNL
VNLF
VNY
VO
VOA
VODAS
VOIR
VOIS
VOM
VOQ
VOR
VORT
VP
VPF
VPISU
VPN
VR
VRC
VRI
VRM
VRS
VS
VSAM
VSAT
Vacla
Vaclav
Vaclav Havel
Vaclava
Vacuna
Vacuva
Vada
Vaden
Vader
Vadim
Vadim Medvedev
Vadis
Vadito
Vadnee
Vadodara
Vadso
Vaduz
Vaenfila
Vafio
Vaginicola
Vagnera
Vahe
Vai
Vai Sikahema
Vaiden
Vaidic
Vaientina
Vail
Vaios
Vaish
Vaisheshika
Vaishnava
Vaishnavism
Vaishnavite Hinduism
Vaisya
Vaja
Vajrayana Buddhism
Val
Val lace
Val-d'Oise
Val-de-Marne
Vala
Valadon
Valais
Valaree
Valaria
Valaskjalf
Valatie
Valborg
Valcour Island
Valda
Valdai Hills
Valdas
Valdemar
Valdemar I
Valdepeas
Valders
Valdes
Valdese
Valdez
Valdimir Kryuchkov
Valdis
Valdivia
Valdosta
Vale
Valeda
Valenay
Valenba
Valence
Valencia
Valencia orange
Valencian
Valenciennes
Valenciennes lace
Valene
Valenka
Valens
Valenta
Valente
Valentia
Valentide
Valentijn
Valentin
Valentina
Valentine
Valentine Day
Valentine's Day
Valentines
Valentinian
Valentinian I
Valentinian II
Valentinian III
Valentinianism
Valentinianus I
Valentino
Valentinus
Valenza
Valer
Valera
Valeria
Valerian
Valeriana
Valerianaceae
Valerianales
Valerianella
Valerianoides
Valerie
Valerio
Valeriu Georgescu
Valerian
Valerle
Valery
Valery Giscard d'Estaing
Valerye
Valeta
Valetta
Valhalla
Vali
Valiant
Valida
Valier
Valina
Valium
Valkyr
Valkyria
Valkyrian
Valkyrie
Valladolid
Valle
Valle d'Aosta
Valleau
Vallecito
Vallecitos
Vallejo
Vallenar
Vallery
Valletta
Valley
Valley Center
Valley Forge
Valley Park
Valley Stream
Valley of Ten Thousand Smokes
Valleys of Andorra
Valli
Valliant
Vallie
Valliscaulian
Vallisneria
Vallisneriaceae
Vallo
Vallombrosa
Vallombrosan
Vallonia
Vallota
Vally
Valma
Valmeyer
Valmid
Valmiki
Valmy
Valois
Valona
Valonia
Valoniaeae
Valoniah
Valora
Valorie
Valparaiso
Valpolicella
Valrico
Valry
Valsa
Valsaceae
Valsalvan
Valtellina
Valtin
Valvata
Valvatidae
Valyermo
Vamcharin Hinduism
Vaman
Vampyrella
Vampyrellidae
Vampyrum
Van
Van Allen belt
Van Allen radiation belt
Van Buren
Van Devanter
Van Diemen Gulf
Van Diemen's Land
Van Dyck
Van Gogh
Van de Graaff generator
Van der Waal's forces
VanAtta
VanHook
Vanahaem
Vanalstyne
Vanbrugh
Vance
Vanceboro
Vanceburg
Vancourt
Vancouver
Vancouveria
Vanda
Vandal
Vandalia
Vandalic
Vandemere
Vandemonian
Vandemonianism
Vanden
Vandenbergh
Vander
Vanderbilt
Vandergrift
Vanderhoek
Vanderpoel
Vanderpool
Vandervelde
Vandervoort
Vandiemenian
Vandiver
Vanduser
Vandyke
Vandyke beard
Vandyke brown
Vandyke collar
Vandyke edge
Vandyke red
Vandyke-edged
Vandyne
Vane
Vanellus
Vanessa
Vanetha
Vanetten
Vange
Vanguard
Vanguardist
Vangueria
Vanhomrigh
Vanhorn
Vanhornesville
Vani
Vania
Vanier
Vanir
Vanist
Vanitory unit
Vanity Fair
Vanity fair
Vanity-fairian
Vanna
Vannai
Vanndale
Vannes
Vannevar
Vanni
Vannic
Vannie
Vannuys
Vanny
Vano
Vanorin
Vansant
Vansittart
Vantassell
Vanthe
Vanua Levu
Vanuatu
Vanvleck
Vanwert
Vanwyck
Vanya
Vanzant
Vanzetti
Vapors
Vaporum
Vaqueros formation
Var
Varah
Varanasi
Varanger
Varangi
Varangian
Varanidae
Varanoid
Varanus
Vardaman
Vardar
Varden
Vardhamana
Vardon
Vareck
Varese
Vargas
Varginha
Varhol
VariTyper
Variable Zone
Variable Zones
Variag
Varian
Varick
Varidase
Varien
Varietyese
Varina
Varini
Variolaria
Varion
Varipapa
Varitype
Varityper
Varl
Varley loop
Varna
Varnell
Varney
Varnville
Vroolian
Varrian
Varro
Varronia
Varronian
Varronian canon
Varronian satire
Varsovian
Varuna
Varuni
Vary
Varysburg
Vas
Vasa
Vasa Cubrilovic
Vasari
Vasco da Gama
Vascons
Vaseline
Vashon
Vashtee
Vashti
Vashtia
Vasileior
Vasilek
Vasili
Vasiliki
Vasilis
Vasilii
Vasily
Vasily Aksyonov
Vasily Garbuzov
Vasos
Vasquez
Vass
Vassalboro
Vassar
Vassaux
Vassell
Vassil Kolarov
Vassili
Vassili Dendramis
Vassily
Vassily Chuikov
Vasta
Vastah
Vasteras
Vastha
Vasti
Vasti
Vasudeva
Vasundhara
Vasya
Vasyuta
Vat
Vateria
Vaterland
Vatican
Vatican City
Vatican Council
Vatican Library
Vatican Palace
Vatican city
Vatican codex
Vatican fragment
Vaticanism
Vaticanist
Vaticanization
Vaticanize
Vaticanus
Vatteutu
Vatter
Vauban
Vaucheria
Vaucheriacaeae
Vaucluse
Vaud
Vaudism
Vaudois
Vaughan
Vaughan Williams
Vaughn
Vaughnsville
Vaules
Vauxhall
Vauxhallian
Vayu
Vazimba
Ve
Veadar
Veal
Veator
Veats
Veblen
Veblenian
Veblenism
Veblenite
Veda
Vedaic
Vedaism
Vedalia
Vedanga
Vedanta
Vedantic
Vedantism
Vedantist
Vedas
Vedas, the
Vedda
Veddaah
Vedder
Veddoid
Vedetta
Vedette
Vedi
Vedic
Vedic Sanskrit
Vedic chant
Vedic hymn
Vediovis
Vedis
Vedism
Vedist
Veduis
Vee
Veedersburg
Veedis
Vega
Vegabaja
Veguita
Vehmgericht
Vehmgerichte
Vehmic
Veii
Veiko Hakulinen
Veillonella
Veiltail
Veiovis
Veit
Vejoces
Vejovis
Vejoz
Vela
Vela-Hotel
Velarde
Velasco
Velasquez
Velchanos
Velcro
Velda
Veleda
Velella
Velick
Velika
Veljkov
Vella
Velleman
Vellore
Vellozia
Velloziaceae
Velma
Velon
Velorum
Velpen
Velquez
Velsen
Velutina
Velva
Velveeta
Velvet
Velvet Underground
Velzquez
Ven
Vena
Venable
Venango
Venantes
Venator
Vend
Venda
Vendean
Vendee
Vendelinus
Vendidad
Venditti
Vendmiaire
Veneaux
Vened
Venedocia
Venedotian
Venedy
Vener
Veneracea
Veneralia
Veneres
Veneridae
Veneta
Venetes
Veneti
Venetia
Venetian
Venetian ball
Venetian blind
Venetian dentil
Venetian door
Venetian galley
Venetian glass
Venetian point
Venetian red
Venetian school
Venetian sumac
Venetian window
Venetianed
Venetic
Venetis
Veneto
Venez
Venezia
Venezia Giulia
Venezia Tridentina
Venezia-Euganea
Venezuela
Venezuelan
Venice
Venice blue
Venice glass
Venice treacle
Venice turpentine
Venita
Venite
Venizelist
Venizelos
Venlo
Venloo
Venn
Venn diagram
Veno
Venola
Venolia
Vent
Venterea
Ventersdorp
Vento
Ventose
Ventre
Ventress
Ventriculites
Ventriculitidae
Ventris
Ventura
Venture Scout
Venturi meter
Venturi tube
Venturia
Venu
Venus
Venus and Adonis
Venus de Milo
Venus flytrap
Venus hairstyle
Venus of Willendorf
Venus probes
Venus's curse
Venus's flower basket
Venus's flytrap
Venus's girdle
Venus's looking-glass
Venus's-flytrap
Venus's-girdle
Venus's-hair
Venusberg
Veneses
Venusian
Venustiano
Venuti
Venutian
Veps
Vepse
Vepshish
Ver
Vera
Vera Cruz
Veracruz
Verada
Veradale
Veradi
Veradia
Veradis
Veralyn
Veratrum
Verbank
Verbascum
Verbena
Verbenaceae
Verbenarius
Verbenia
Verbesina
Vercelli
Vercelli Book
Vercingetorix
Verda
Verde
Verdel
Verden
Verdha
Verdi
Verdicchio
Verdie
Verdigre
Verdon
Verdyn
Verdunville
Vere
Vereeniging
Verein
Vereine
Vereins
Verel
Verena
Verene
Vereschagin
Veretillum
Vergas
Verge
Vergeltungswaffe
Vergennes
Verger
Vergil
Vergilian
Vergilianism
Vergne
Vergos
Veribest
Veriee
Verile
Verina
Verine
Verity
Verkhne-Udinsk
Verla
Verlag
Verlaine
Verlee
Verlia
Verlie
Vermeer
Vermes
Vermetidae
Vermetus
Vermicularia
Vermiformia
Vermilingues
Vermilinguia
Vermillion
Vermont
Vermont cent
Vermont cheese
Vermont snakeroot
Vermontier
Vermontese
Vermontville
Vern
Verna
Vernaccia
Vernal
Verndale
Verne
Vernell
Vernen
Verner
Verner's law
Vernet
Verneuil
Verneuil process
Verney
Vernice
Vernier
Vernita
Vernoleninsk
Vernon
Vernon Valley
Vernonia
Vernonieae
Vernor
Vernunft
Verny
Veron
Verona
Verona brown
Verona orris
Veronal
Veronese
Veronese green
Veronica
Veronicella
Veronicellidae
Vespoidea
Vespucci
Vesta
Vestaburg
Vestalia
Vestas
Vestie
Vestigian
Vestini
Vestinian
Vestorian blue
Vesty
Vesuvian
Vesuvio
Vesuvius
Veta
Veterans Administration
Veterans Day
Veterans’ Affairs
Veterans’ Day
Vetiveria
Vetter
Vevay
Vevina
Vevine
Vey
Vezza
Vharat
Vi
Via
Via Dolorosa
Via Lactea
Via lactea
Viafore
Vial
Vian
Viareggio
Viatcheslav Fetisov
Vibhu
Viborg
Vibrio
Viburnum
Vic
Vic-en-Bigorre
Vicar of Bray
Vicar of Christ
Vicar of Jesus Christ
Vicara
Vicco
Viccora
Vice
Vice Chancellor's Court
Vice Pres
Vice-apollo
Vice-christ
Vice-god
Vice-godhead
Vicente
Vicenza
Vichy
Vichyite
Vici
Vicia
Vick
Vickers
Vickers number
Vickers-Maxim
Vickery
Vickey
Vicki
Vickie
Vicks Vaporub
Vicksburg
Vicky
Vico
Viconian
Viet
Victoir
Victoire
Victor
Victor Afanasiev
Victor Andrade
Victor Emmanuel III
Victor I
Victor II
Victoria
Victoria Cross
Victoria Day
Victoria Desert
Victoria Falls
Victoria Island
Victoria Land
Victoria Nile
Victoria Nyanza
Victoria blue
Victoria cross
Victoria day
Victoria de Durango
Victoria embankment
Victoria green
Victoria lake
Victoria lawn
Victoria lily
Victoria violet
Victorian
Victorian box
Victoriana
Victorianism
Victorianize
Victorianly
Victoriano
Victorie
Victorien
Victorine
Vicetormanuel
Victorville
Victory
Victory Day
Victory Medal
Victory button
Victory day
Victory garden
Victory loan
Victory of Samothrace
Victory ship
Victrola
Vida
Vida Breve La
Vidal
Vidalia
Vidar
Vidda
Viddah
Viddhal
VideoComp
Videvdat
Vidhan Sabha
Vidian
Vidor
Vidovic
Vidovik
Vidua
Viduinae
Viehmann
Vienna
Vienna International
Vienna Union
Vienna green
Vienna sausage
Vienne
Viennese
Viens
Vientiane
Vieques
Viereck
Vierendeel girder
Vierendeel truss
Vierno
Vierwaldstettersee
Viet
Viet Minh
Viet Nam
Vieta
Vietcong
Vietminh
Vietnam
Vietnam War
Vietnamese
Vietnamization
Vieva
Viewtown
Vig
Vigdis Finnbogadottir
Vigen
Vigilius
Viglione
Vignola
Vigny
Vigo
Vigor
Vigrid
Viguerie
Viipuri
Vijayawada
Viki
Viking
Vikki
Vikky
Viktor Chebrikov
Viktor Korchnoi
Vilas
Vilberg
Vilela
Vilfredo
Vilhelmina
Vilhjalmur
Vili
Villa
Villa Cisneros
Villa Park
Villa Rica
Villa-Lobos
Villach
Villada
Villahermosa
Villalba
Villamaria
Villamont
Villanova
Villanova culture
Villanovan
Villanueva
Villard
Villari effect
Villarica
Villars
Villas
Villavicencio
Ville Platte
Ville Siren
Villeda Morales
Villeneuve
Villeurbanne
Villiers
Villiplacentalia
Villisca
Villon
Vilma
Vilnius
Vilonia
Viminal
Vinny
Vin
Vina
Vinalia
Vinaya
Vinaya Pitaka
Vinca
Vince
Vince Boryla
Vins
Vinson
Vintila Horia
Vinton
Vintondale
Viny
Vinylite
Vinyon
Viola
Violaceae
Violales
Violante
Viole
Violet
Violeta
Violetta
Violette
Violle
Viollet-le-Duc
Vip
Viper
Viper's Tangle, The
Vipera
Viperidae
Viperina
Viperinae
Viperoidea
Vipul
Viquelia
Vir Chakra
Vira
Viradis
Viraletes
Virbius
Virchow
Virden
Viren
Virendra
Virg
Virge
Virgel
Virgie
Virgil
Virgilia
Virgilian
Virgilina
Virgilio
Virgilism
Virgin
Virgin Birth
Virgin Bride of the Lord
Virgin Islands
Virgin Mary
Virgin Mary, the
Virgin Most Glorious
Virgin Most Merciful
Virgin Most Powerful
Virgin Most Renowned
Virgin Most Venerable
Virgin Most Wise
Virgin Queen
Virginia
Virginal
Virginale
Virginia
Virginia Beach
Virginia beard grass
Virginia bluebell
Virginia broomrape
Virginia cedar
Virginia cowslip
Virginia creeper
Virginia deer
Virginia fence
Virginia log canoe
Virginia plan
Virginia rail
Virginia rail fence
Virginia reel
Virginia snakeroot
Virginia stock
Virginia trumpet flower
Virginia willow
Virginian
Virginid
Virginie
Virginis
Virginville
Virgo
Virgo Clemens
Virgo Gloriosa
Virgo Potens
Virgo Praedicanda
Virgo Sapientissima
Virgo Sponsa Dei
Virgo Veneranda
Virgularia
Virgulariidae
Virgy
Viridi
Viridis
Viridissa
Virnelli
Viroqua
Virtanen
Virtus
Visakhapatnam
Visalia
Visaya
Visayan
Visayan Islands
Visayans
Visby
Visc
Viscardi
Visconti
Viscount
Visct
Viseu
Vish
Vishinsky
Vishnavite
Vishniac
Vishnu
Vishnuism
Vishnuite
Vishnuvite
Visigoth
Visigothic
Visine
Visit, The
Visitandine
Visitation
Vislinsky Zaliv
Visotoner
Vistula
Vistulian
Vita
Vita Nuova
Vitaceae
Vitaglass
Vitale
Vitale Fedorchuk
Vitalian
Vitalis
Vitallium
Vitaphone
Vite
Vitebsk
Vitek
Vitharr
Vithi
Viti
Viti Levu
Vitia
Vitis
Vitkun
Vito
Vito Genovese
Vitoria
Vitria
Vitrina
Vitruvian
Vitruvian scroll
Vitruvian wave
Vitruvianism
Vitruvius
Vitruvius Pollio
Vitry
Vittore
Vittoria
Vittorio
Vitus
Vitus's dance
Viv
Viva
Vivaldi
Viveca
Vivekananda
Viverridae
Viverrinae
Vivi
Vivia
Vivian
Viviana
Viviane
Vivianna
Vivianne
Vivica
Vivie
Vivien
Viviene
Vod
Voe
Voetian
Vogel
Vogele
Vogeley
Vogelweide
Vogul
Voiovia
Voityck Frykowski
Vojvodina
Vola
Volans
Volant
Volantis
Volapk
Volapuk
Volapuker
Volapukism
Volapukist
Volborg
Volcae
Volcanalia
Volcano Islands
Volcanus
Volding
Voleta
Voletta
Volga
Volga-baltic
Volgograd
Volhynia fever
Volin
Volk
Volkan
Volkerverwanderung
Volksdeutsche
Volksdeutscher
Volkslied
Volksschule
Volkswagen
Volnak
Volnay
Volney
Volny
Vologda
Volos
Volotta
Vuelta Abajo
Vuelta tobacco
Vuillard
Vul
Vulcan
Vulcanalia
Vulcanalial
Vulcanalian
Vulcanian
Vulcanic
Vulcanized fiber
Vulg
Vulgar Latin
Vulgate
Vullo
Vulpecula
Vulpeculae
Vulpeculid
Vulpes
Vulpinae
Vultur
Vulturidae
Vulturinae
Vyatka
Vyborg
Vycor
Vyernyi
Vyky
Vyner
Vyrene
Vyse
Vyshinsky
Vyvyan
W
W Va
W chromosome
W star
W surface
W's
W-engine
W-shaped
W-type engine
W/B
WA
WAAAAF
WAAC
WAAF
WAC
WAC-Corporal
WADS
WAF
WAFS
WAG
WAIS
WAL
WAM
WAN
WAP
WARC
WASP
WATFOR
WATS
WATS line
WATSUP
WAVE
WAVES
WAY
WB
WBC
WBS
WC
WCC
WCL
WCPC
WCS
WCTU
WD
WDC
WDM
WDT
WECO
WELL
WEU
WF
WFPC
WFPCII
WFTU
WG
WGS
WH
WHBL
WHO
WHOI
WHSE
WI
WINS
WIP
WIPO
WIS
WIT
WITS
WIYN
WKS
WL
WLM
WM
WMC
WMO
WMSCR
WNN
WNP
WNW
WO
WOPR
WORM
WOW
WP
WPA
WPB
WPC
WPS
WR
WRA
WRAAC
WRAAF
WRAC
WRAF
WRANS
WRESAT
WRNS
WRT
WRVS
WS
WSD
WSI
WSJ
WSMR
WSN
WSP
WSW
WTF
WTR
WU
WUPPE
Wadai
Waddell
Waddenzee
Waddington
Waddle
Waddy
Wade
Wadell
Wadena
Wadesboro
Wadestown
Wadesville
Wadesworth
Wadkins
Wadi Halfa
Wadleigh
Wadley
Wadlinger
Wadsworth
Waechter
Waelder
Waers
Waf
Wafd
Wafdist
Waffen-SS
Wafs
Waganda
Wagarville
Wagener
Wager
Wagga Wagga
Waggoner
Waggumbura
Wagner
Wagneresque
Wagnerian
Wagneriana
Wagnerianism
Wagnerism
Wagnerist
Wagnerite
Wagnerize
Wagogo
Wagoma
Wagon
Wagoner
Wagontown
Wagram
Wagshul
Wagstaff
Wagtail
Waguha
Wagweno
Waha lake trout
Wahabi
Wahabiism
Wahabism
Wahabit
Wahabitism
Wahihe
Wahhabi
Wahhabiism
Wahhabism
Wahiawa
Wahima
Wahkicas
Wahkon
Wahkuna
Wahl
Wahlenbergia
Wahlstrom
Wahoo
Wahpeton
Waialua
Waianaee
Waibling
Waicuri
Waicurian
Waiguli
Waillapatuan
Waikato
Waikiki
Wailaki
Wailing Wall
Wailoo
Wailuku
Waimanalo
Waimea
Wain
Waine
Wainscott
Wainwright
Waipaahu
Waismann
Wait
Waite
Waiter
Waiterville
Waiting for Godot
Waitsburg
Waitsfield
Waiwai
Waiyeung
Wajda
Waka
Wakamba
Wakarusa
Wakashan
Wakayama
Wake
Wake Forest
Wake Island
Wake knot
Wakeen
Wakeeney
Wakefield
Wakeman
Wakenda
Wakerly
Wakhi
Waki
Wakita
Wakonda
Wakore
Wakpala
Waksman
Wakulla
Wakwafi
Wal
Walach
Walachia
Walachian
Walapai
Walbrzych
Walburg
Walburga
Walcheren
Walchia
Walcoff
Walcott
Walczak
Wald
Waldack

Open Source Used In CSPC_Collector 2.9.1 18987
Waldemar
Waldemar I
Walden
Walden inversion
Waldenburg
Waldenses
Waldensian
Waldensianism
Waldheim
Waldheimia
Waldman
Waldner
Waldo
Waldoboro
Waldon
Waldorf
Waldorf salad
Waldos
Waldport
Waldron
Waldstein
Waldsteinia
Waldwick
Waler
Wales
Waleska
Waley
Walfish Bay
Walford
Walgreen
Walhall
Walhalla
Walhonding
Walid Jumblatt
Waligore
Walke
Walker
Walkersville
Walkerton
Walkertown
Walkerville
Walking Horse
Walking
Walkure, Die
Walkyrie
Wall
Wall Street
Wall Street bank
Wall Street banking
Wall Street loan
Wall Streeter
Wall Streetese
Wall street
Wall street loan
Wallaby
Wallace
Wallace's line
Wallaceton
Wallach
Wallache
Wallachia
Wallachian
Wallack
Walland
Wallas
Wallasey
Wallawalla
Wallback
Wallburg
Walled Lake
Wallensis
Wallenstein
Waller
Wallerian
Walley
Wallford
Walli
Wallie
Walling
Wallinga
Wallingford
Wallington
Wallis
Wallis and Futuna Islands
Wallisville
Walliw
Wallkill
Wallon
Wallonian
Walloon
Walloon sword
Wallowa
Wallraff
Walls
Wallsburg
Wallsend
Wallula
Wally
Wally Masur
Walnut Creek
Walnut Ridge
Walnutshade
Walpapi
Walpole
Walpole tea
Walpolean
Walpurga
Walpurgis
Walpurgis Night
Walpurgisnacht
Walras
Walrath
Walsall
Walsenburg
Walsh
Walshville
Walsingham
Walston
Walstonburg
Walt
Walt Poddubny
Walter
Walter Mitty
Walterboro
Walterene
Walters
Waltersburg
Walterville
Walthall
Waltham
Waltham Forest
Walthamstow
Walther
Walther von der Vogelweide
Walthourville
Waltner
Walton
Waltonian
Waltonville
Waltz of the Toreadors
Walvis Bay
Walworth
Waly
Wambuba
Wambugu
Wambutti
Wamego
Wampanoag
Wampanoags
Wampler
Wampsville
Wampum
Wams
Wamsley
Wamsutter
Wan
Wan Li
Wana
Wanakena
Wanamaker
Wanamingo
Wanapum
Wanaque
Wanatah
Wanblee
Wanchan
Wanchese
Wanchuan
Wanda
Wanderer
Wandering Jew
Wandering Jew, The
Wandering-jew
Wanderjahr
Wanderjahre
Wandie
Wandis
Wando
Wandorobo
Wandsworth
Wandy
Wane
Waneatta
Waneta
Wanette
Wanfried
Wang
Wang Hung-wen
Wanganui
Wangara
Wangchuk
Wangoni
Wanhsien
Wanids
Wankel engine
Wankie
Wann
Wannaska
Wanne-Eickel
Wanonah
Wantagh
Wanyakyusa
Wanyamwezi
Wanyasa
Wanyen
Wanyoro
Wapakoneta
Wapanucka
Wapato
Wapella
Wapello
Wapisiana
Wapogoro
Wapokomo
Wappapello
Wappato
Wappes
Wappinger
Wappo
Wapwallopen
War
War Between the States
War Labor Board
War Manpower Commission
War Production Board
War and Peace
War college
War democrat
War department
War industries board
War of 1812
War of American Independence
War of Secession
War of the Austrian Succession
War of the Grand Alliance
War of the Nations
War of the Polish Succession
War of the Rebellion
War of the Spanish Succession
War office
Warangal
Warba
Warbeck
Warchaw
Ward
Warda
Warde
Wardell
Warden
Warden, The
Wardensville
Warder
Wardian case
Wardieu
Wardlaw
Wardle
Wardsboro
Wardtown
Wardville
Ware
Ware Shoals
Waregga
Wareham
Wareing
Warenne
Waresboro
Wareshoals
Waretown
Warfield
Warfield
Warford
Warfordsburg
Warfore
Warfouord
Warga
Wargentin
Warhol
Warila
Waring
Warley
Warm Springs
Warminster
Warms
Warne
Warner
Warners
Warnerville
Warnock
Warori
Warp
Warr Acres
Warram
Warrau
Warren
Warren girder
Warren hoe
Warrendale
Warrenne
Warrens
Warrensburg
Warrensville
Warrenton
Warrenville
Warri
Warrick
Warrin
Warring
Warrington
Wars of the French Revolution
Wars of the Roses
Warsaw
Warsaw Pact
Warsaw Treaty Organization
Warta
Wartburg
Warthe
Warthen
Warthman
Warton
Wartow
Warttrace
Warua
Warundi
Warwick
Warwickshire
Wasagara
Wasandawi
Wasango
Wasat
Wasatch
Wasatch Range
Wasco
Wascott
Waseca
Wasegua
Wash
Washaki
Washburn
Washington
Washington DC
Washington Island
Washington Park
Washington State
Washington Terrace
Washington asparagus
Washington cedar
Washington cent
Washington fir
Washington hand press
Washington lily
Washington palm
Washington pie
Washington thorn
Washington's Birthday
Washingtonboro
Washingtonese
Washingtonia
Washingtonian
Washingtoniana
Washingtonville
Washita
Washitas
Washko
Washo
Washoan
Washoe process
Washougal
Washta
Washtucna
Wasir
Waskish
Waskom
Wasoga
Wasola
Wasp
Wasps
Wasps, The
Wassaic
Wasserman
Wassermann
Wassermann reaction
Wassermann test
Wassily
Wasson
Wassyngton
Wast
Wast Water
Wasta
Waste Land, The
Wasukuma
Waswahili
Wat
Wataka
Watala
Watanabe
Watauga
Watch Committee
Watch-and-warder
Watchung
Water Carrier
Waterberg
Waterboro
Waterbury
Wateree
Waterer
Waterflow
Waterford
Waterford glass
Watergate
Waterhouse
Waterlander
Waterlandian
Waterloo
Waterman
Waterport
Waters
Watersmeet
Waterton Lakes National Park
Watertown
Waterview
Waterville
Watervliet
Watford
Watha
Wathen
Wathena
Watkin
Watkins
Watkins Glen
Watkinsville
Watling Island
Watonga
Watrous
Watseka
Watson
Watson and the Shark
Watson-Watt
Watsonia
Watsonian psychology
Watsontown
Watsonville
Watt
Watteau
Watteau back
Wattenberg
Wattenscheid
Watters
Watterson
Watton
Watts
Wattsburg
Wattsville
Watusi
Watusis
Waubun
Waucula
Waucoma
Wauconda
Waugh
Waukau
Waukee
Waukegan
Waukesha
Waukomis
Waukon
Wauna
Waunakee
Wauneta
Waupaca
Waupun
Waura
Wauregan
Waurika
Wausa
Wausau
Wausaukeee
Wauseon
Wauters
Wautoma
Wauwatosa
Wauzeka
Wave
Waveland
Wavell
Waverley
Waverley Novels
Waverly
Waves
Wavira
Wawaka
Wawarsing
Wawina
Wawro
Waxahachie
Waxhaw
Waxler
Waxman
Way
Way of All Flesh, The
Wayan
Wayao
Waycross
Waylan
Wayland
Waylen
Waylin
Waylon
Waymart
Waynant
Wayne
Wayne Angell
Wayne Fontes
Wayne Grady
Wayne Gretzky
Wayne Levi
Waynesboro
Waynesburg
Waynesfield
Waynesville
Waynetown
Waynoka
Wayolle
Ways and Means
Wayzata
Wazir
Wazirabad
Waziristan
Wedell Sea
Wedell seal
Wedderburn
Wedekind
Wedge furnace
Wedgefield
Wedgie
Wedgies
Wedgewood
Wedgewood blue
Wedgewood green
Wedgewood ware
Wednesday
Wednesdays
Wedowee
Wedron
Wedurn
Weeb Ewbank
Weed
Weeda
Weedsport
Weedville
Weekley
Weeks
Weeksberry
Weelkes
Weems
Weepingwater
Weesatche
Wega
Wehner
Wehr
Wehrle
Wehrmacht
Wei
Weibel
Weichsel
Weidar
Weide
Weider
Weidman
Weidner
Weierstrass
Weierstrassian
Weig
Weigel
Weigela
Weight
Weightometer
Weigle
Weihai
Weihaiwei
Weihes
Weikert
Weil
Weil's disease
Weil-felix reaction
Weilaw Gornicki
Weiler
Weill
Weiman
Weimar
Weimar Republic
Weimaraner
Wein
Weinberg
Weinberger
Weinek
Weiner
Weinert
Weingarten
Weingartner
Weinhardt
Weinman
Weinmannia
Weinreb
Weinrich
Weinshienk
Weinstein
Weinstock
Weintrob
Weippe
Weir
Weird Sisters
Weirds
Weirick
Weirsdale
Weirton
Weirwood
Weisbart
Weisberg
Weisbrodt
Weisburgh
Weiser
Weisler
Weisman
Welles
Wellesley
Wellesz
Wellford
Welling
Wellingborough
Wellington
Wellington boots
Wellingtonia
Wellingtons
Wellman
Wellpinit
Wells
Wellsboro
Wellsburg
Wellsian
Wellston
Wellsville
Wellton
Wels
Welsbach burner
Welsbach mantle
Welsh
Welsh Black
Welsh Mountain
Welsh collie
Welsh corgi
Welsh dresser
Welsh harp
Welsh mountain pony
Welsh pony
Welsh poppy
Welsh rabbit
Welsh rarebit
Welsh springer spaniel
Welsh terrier
Welsh vault
Welsh-begotten
Welsh-born
Welsh-english
Welsh-fashion
Welsh-looking
Welsh-made
Welsh-rooted
Welsh-speaking
Welsh-wrought
Welshery
Welshism
Welshland
Welshlike
Welshman
Welshmen
Welshness
Welshry
Welshwoman
Welshwomen
Welshy
Weltanschauung
Weltansicht
Welton
Weltansicht
Weltschmerz
Welty
Welwitschia
Welwyn Garden City
Wembley
Wemyss
Wen Ch’ang
Wen chang
Wen ti
Wenatchee
Wenceslaus
Wenchow
Wenchowese
Wend
Wenda
Wendall
Wendalyn
Wende
Wendel
Wendelin
Wendelina
Wendeline
Wendell
Wendell Berge
Wenden
Wendi
Wendic
Wendie
Wendin
Wendish
Wendolyn
Wendover
Wendt
Wendy
Wendy house
Wendye
Wenger
Wengert
Wenham
Wenlock
Wenlock formation
Wenlockian
Wenn
Wennerholn
Wenoa
Wenona
Wenonah
Wenrohronon
Wensleydale
Wensleydale cheese
Wentworth
Wentzville
Wenz
Wenzel
Wenzel bible
Weogufka
Weott
Wera
Werbel
Werby
Werchowinci
Werdnig-Hoffmann disease
Werfel
Werner
Wernerian
Wernerism
Wernersville
Wernher
Wernick
Wernsman
Werra
Wershba
Wertheim effect
Wertheimer
Werther
Wertherian
Wertherism
Wertz
Wes
Wesa
Wesco
Wescott
Weser
West Haven
West Haverstraw
West Hazleton
West Helena
West Highland
West Highland white terrier
West Homestead
West Indian
West Indian cedar
West Indian gherkin
West Indian kale
West Indian satinwood
West Indies
West Indies Associated States
West Irian
West Linn
West Lothian
West Memphis
West Miami
West Midlands
West Mifflin
West Milwaukee
West Monroe
West New Guinea
West New York
West Newton
West Norriton
West Pakistan
West Palm Beach
West Paterson
West Pittston
West Plains
West Point
West Portsmouth
West Prussia
West Riding
West Saxon
West Side
West Suffolk
West Sussex
West Turkestan
West Virginia
West Virginia Day
West Warwick
West Wyoming
West York
West Yorkshire
West Yuma
West end
West india
West india seal
West indiaman
West indian
West indian ivy
West point
West pointer
West virginian
West-about
West-ender
West-endish
West-endism
West-indian-ivy family
Westberg
Westborough
Westbrook
Westbrooke
Westby
Westchester
Wester
Westerfield
Westerlies
Westerly
Westermarck
Western
Western Australia
Western Australian
Western Bug
Western Christianity
Western Church
Western Empire
Western Ghats
Western Han
Western Hemisphere
Western Hindi
Western India States
Western Islands
Western Isles
Western Ocean
Western Reserve
Western Roman Empire
Western Sahara
Western Samoa
Western Slavs
Western Thrace
Western imperialism
Western saddle
Western story
Westerner
Westernport
Westerville
Westfahl
Westfalen
Westfall
Westfield
Westhead
Westinghouse
Westinghouse brake
Westland
Westlander
Westleigh
Westley
Westley Richards
Westlund
Westm
Westmeath
Westminster
Westminster Abbey
Westminster Assembly
Westmont
Westmoreland
Westmorland
Westmorland wrestling
Westney
Weston
Weston cell
Weston standard cell
Weston-super-Mare
Westphal
Westphal balance
Westphalia
Westphalian
Westport
Westpreussen
Westralian
Westralianism
Westville
Westwall
Westwego
Westwood
Westworth
Wethersfield
Wetmore
Wetterhorn
Wetumka
Wetumpka
Wetzel
Wetzell
Wever
Wevertown
Wewahitchka
Wewela
Wewenoc
Wewoka
Wexford
Wexler
Wey
Weyanoke
Weyauwega
Weyden
Weyerhaeuser
Weyerhauser
Weyermann
Weygand
Weyl
Weylin
Weymouth
Weywadt
Wezen
Wezn
Wh
Whalan
Whale
Whalen
Whales
Whaleyville
Whall
Whallon
Whallonsburg
Whang
Whangarei
Wharncliffe
Wharton
What Every Woman Knows
Whately
Whatley
Wheatcroft
Wheatfield
Wheatland
Wheatley
Wheaton
Wheatstone
Wheatstone bridge
Wheatstyour bridge
Wheelabrator
Wheeler
Wheelersburg
Wheeling
Wheelock
Wheelwright
Whelan
Wheller
When icicles hang by the wall
Whetstone
Whewell
Whick
Whiffen
Whig
Whig Party
Whiggamore
Whiggarchy
Whiggery
Whiggess
Whiggification
Whiggify
Whiggish
Whiggishly
Whiggishness
Whiggism
Whigham
Whiglet
Whigling
Whilkut
Whiney
Whipholt
Whippany
Whipple
Whipple truss
Whippleville
Whirlaway
Whiskeytown
Whisson
Whistler
Whistler's Mother
Whistlerian
Whistonian
Whit
Whit Monday
Whit Sunday
Whit Week
Whit-Tuesday
Whitefish
Whitefish Bay
Whitefoot
Whiteford
Whitehall
Whitehall Palace
Whitehall boat
Whitehead
Whiteheath
Whitehorse
Whitehouse
Whitehurst
Whiteland
Whitelaw
Whiteley
Whiteowl
Whitepost
Whitesboro
Whitesburg
Whiteside
Whitestone
Whitestown
Whitesville
Whitethorn
Whiteville
Whitewater
Whitewood
Whitewright
Whitfield
Whitford
Whitharral
Whiting
Whitingham
Whitinsville
Whitlam
Whitlash
Whitley Bay
Whitleyism
Whitleyville
Whitlock
Whitman
Whitmanese
Whitmanesque
Whitmanism
Whitmanize
Whitmer
Whitmire
Whitmonday
Wickner
Wicks
Wiclin
Wiconico
Wiconisco
Wideman
Widener
Widera
Widgery
Widnes
Widnoon
Widukind
Wie
Wiebmer
Wieche
Wiedmann
Wiegenlief
Wieland
Wien
Wiencke
Wiener
Wiener Neustadt
Wiener Schnitzel
Wiener schnitzel
Wier
Wieren
Wiersma
Wiesbaden
Wiese
Wiesner theory
Wig
Wigan
Wiggin
Wiggins
Wigglesworth
Wight
Wightman
Wigner
Wigtown
Wigtownshire
Wihnyk
Wijayananda Dahanayake
Wiken
Wikiup
Wikstroemia
Wil
Wilbar
Wilber
Wilber Brucker
Wilberforce
Wilbert
Wilbraham
Wilbur
Wilburite
Wilburn
Wilbur
Wilburton
Wilcoe
Wilcox
Wild Duck, The
Wild Geese
Wild Hunt
Wild Huntsman
Wild West
Wild West show
Wilda
Wilde
Wildee
Wilden
Wildider
Wildermuth
Wilderness
Wildersville
Wildhorse
Wildie
Wildomar
Wildon
Wildorado
Wildrose
Wildsville
Wildwood
Wildwood Crest
Wileen
Wilek
Wilens
Wiles
Wiley
Wileyville
Wilf Paiement
Wilfred
Wilfreda
Wilfrid
Wilhelm
Wilhelm I
Wilhelm II
Wilhelm Tell
Willingboro
Willis
Willisburg
Williston
Williston Park
Willisville
Willits
Willkie
Willman
Willmar
Willmert
Willms
Willner
Willock
Willoughby
Willoughby Hills
Willow
Willow Run
Willow South
Willowick
Willows
Willowshade
Willowstreet
Willowwood
Wills
Willsboro
Willseyville
Willshire
Willtrude
Willugbaeya
Willumsen
Willy
Willy Brandt
Willyt
Wilma
Wilmar
Wilmer
Wilmerding
Wilmette
Wilmington
Wilmingtonian
Wilmont
Wilmore
Wilmot
Wilmot Proviso
Wilmott
Wilno
Wilona
Wincer
Winchell
Winchendon
Winchester
Winchester bushel
Winchester rifle
Winckelmann
Wind
Wind Cave National Park
Wind River Range
Windaus
Windber
Windbreaker
Windelband
Winder
Windermere
Windesheimer
Windham
Windhoek
Windom
Windsor
Windsor Heights
Windsor bench
Windsor chair
Windsor knot
Windsor rocker
Windsor settee
Windsor tie
Windthorst
Windward Islands
Windward Passage
Windy
Windy City
Windville
Windzer
Winebaum
Winebrennerian
Winer
Winesap
Winesburg
Winfall
Winfield
Winfred
Winfrid
Wing
Wingdale
Winged Victory
Winger
Winside
Winslow
Winsome
Winson
Winsor
Winsted
Winston
Winston Churchill
Winston-Salem
Winston
Winstonville
Winter
Winter Haven
Winter Olympic Games
Winter Olympics
Winter Park
Winter Sea
Winter War
Winter banana
Winter nelis
Winter's bark
Winteraceae
Winteranaceae
Winterbottom
Winterport
Winterreise Die
Winters
Winterset
Wintersville
Winterthur
Winterville
Winther
Winthorpe
Winthrop
Winton
Wintun
Winwaloe
Winzler
Wiota
Wira
Wirephoto
Wirephotoed
Wirephotoing
Wirephotos
Wiros
Wirral
Wirth
Wirtz
Wis
Wisacky
Wisby
Wisc
Wiscasset
Wisconsin
Wisconsin Rapids
Wisconsin cheese
Wisconsinite
Wisd
Wisdom of Jesus
Wisdom of Solomon
Wise
Wise Men of the East
Wiseman
Wishek
Wishoskan
Wishram
Wisigothic
Wiskind
Wisla
Wislan Zalew
Wismar
Wisner
Wisnicki
Wissler
Wistaria
Wister
Wisteria
Wistrup
Wit
Witbooi
Witcher
Witha
Withams
Withania
Withee
Wither
Witherbee
Withers
Witherspoon
Witkin
Witmer
Witoto
Witt
Witte
Wittekind
Witten
Wittenberg
Wittenburg
Wittensville
Witter
Wittgenstein
Wittgensteinian
Wittie
Wittman
Wittmann
Witty
Witumki
Witwatersrand
Wivestad
Wivina
Wivinah
Wivinia
Wixom
Wixted
Wiyat
Wiyot
Wladyslaw
Wladyslaw Anders
Wladyslaw Gomulka
Wobblies
Wobbly
Woburn
Wochua
Wodan
Woden
Wodenism
Woehlick
Woermer
Woffington
Wogulian
Wohlen
Wohlert
Wojak
Wojciech Jaruselski
Wojciech Jaruzelski
Wojcik
Wojtek Fibak
Woking
Wolbach
Wolbrom
Wolcott
Wolcottville
Wolds
Wolenik
Wolf
Wolf Cub
Wolf-Rayet star
Wolf-man
Wolfcoal
Wolfe
Wolfboro
Wolfenden Report
Wolf
Wolfia
Wolfian
Wolfian body
Wolfianism
Wolfforth
Wolfgang
Wolfgram
Wolfian
Wolfie
Wolfit
Wolford
Wolfort
Wolfpen
Wolfram
Wolfram von Eschenbach
Wolfsburg
Wolfson
Wolftown
Wolfy
Wolgast
Wolk
Woll
Wollaston
Wollaston wire
Wollis
Wollongong
Wolof
Wolpert
Wolseley
Wolsey
Wolsky
Wolverhampton
Wolverine
Wolverine State
Wolverton
Womack
Womelsdorf
Women in Love
Women's Air Force
Women’s Air Force Service Pilots
Women’s Army Auxiliary Corps
Women’s Army Corps
Women’s Auxiliary Air Force
Women’s Institute
Women’s Liberation
Women’s Royal Air Force
Women’s Royal Army Corps
Women’s Royal Naval Corps
Won
Wonacott
Wonalancet
Wonder
Wonewoc
Wong
Wongara
Winnie
Wonsan
Woo
Wood
Wood Dale
Wood Tech
Wood cree
Wood's metal
Woodacre
Woodall
Woodard
Woodberry
Woodbine
Woodbourne
Woodbridge
Woodburn
Woodbury
Woodcliff Lake
Woodcock
Wooddale
Wooden
Woodfield
Woodford
Woodhead
Woodhouse
Woodhull
Woodie
Woodinville
Woodlake
Woodlawn
Woodleaf
Woodley
Woodlyn
Woodman
Woodmere
Woodring
Woodrow
Woodruff
Woodruff key
Woods
Woodsboro
Woodscross
Woodser
Woodsfeld
Woodshole
Wood sia
Woodson
Woodson Terrace
Woodstock
Woodston
Woodstown
Woodsum
Woodsville
Woodville
Woodward
Woodwardia
Woodworth
Woody
Woolcott
Wooldridge
Woolf
Woolford
Woolley
Woollum
Woolrich
Woolson
Woolstock
Woolwa
Woolwich
Woolwine
Woolworth
Woomera
Woonsocket
Woop Woop
Wooster
Woosung
Wootan
Woothen
Wooton
Wootten
Worton
Wotan
Wotton
Wouk
Woulfe bottle
Wovoka
Woxall
Woyaway
Wraac
Wracs
Wraf
Wrafs
Wran
Wrand
Wrangel
Wrangel Island
Wrangell
Wrangell Mountains
Wrath
Wray
Wrekin
Wren
Wrench
Wrennie
Wrens
Wrenshall
Wrentham
Wrexham
Wright
Wrights
Wrightboro
Wrightson
Wrightstown
Wrights ville
Wrightwood
Wrigley
Writings
Wrons kian
Wrottesley
Wrycht
Ws an
Wiemberg
Wu
Wu'er Kaixi
Wu-lu-mu-ch'i
Wuchang
Wuchereria
Wuhan
Wuhsien
Wuhu
Wulf
Wulfe
Wulfila
Wullie
Wun
Wunder
Wunderkind
Wunderkinder
Wunderkinds
Wundt
Wundtian
Wuppertal
Wurm
Wurmian
Wurst
Wurster
Wurtsboro
Wurttemberg
Wurtz
Wurzburg
Wurzburger
Wusih
Wuthering Heights
Wutsin
Wy
Wyaconda
Wyalusing
Wyandot
Wyandots
Wyandotte
Wyandottes
Wyanet
Wyano
Wyarno
Wyat
Wyatan
Wyatt
Wyche Fowler
Wycherley
Wyck
Wyckoff
Wycliffe
Wycliffian
Wycliffism
Wycliffist
Wycliffite
Xanthonclus
Xanthus
Xantippe
Xaverian
Xavier
Xavier McDaniel
Xavier Suarez
Xaviera
Xavler
Xe
Xema
Xena
Xenacanthini
Xenarchi
Xenarthra
Xenia
Xenicidae
Xenicus
Xeno
Xenoclea
Xenocrinean
Xenocrates
Xenocratic
Xenomi
Xenomorpha
Xenopeltidae
Xenophanean
Xenophanes
Xenophon
Xenophonic
Xenophontean
Xenophontian
Xenophontic
Xenophontine
Xenophora
Xenophoridae
Xenopodidae
Xenopsylla
Xenopterri
Xenopterygii
Xenopus
Xenorhynchus
Xenos
Xenosauridae
Xenosaurus
Xenurus
Xeranthemum
Xeres
Xosa
Xt
Xtian
Xty
Xuthus
Xylaria
Xylariaceae
Xyleborus
Xylia
Xylina
Xyllocopa
Xylocopidae
Xylon
Xylonite
Xylophaga
Xylophagidae
Xylophagus
Xylophia
Xylosma
Xylotrya
Xymenes
Xyrichthys
Xyridaceae
Xyridales
Xyris
Y
Y axis
Y box
Y branch
Y bridge
Y chromosome
Y connection
Y cross
Y current
Y curve
Y joint
Y level
Y ligament
Y moth
Y point
Y potential
Y theodolite
Y track
Y tube
Y winding
Y's
Y-chromosome
Y-gun
Y-level
Y-potential
Y-shaped
YA
YACC
YB
YCL
YHA
YHVH
YHWH
YMCA
YMCathA
YMHA
YOB
YP
YPSCE
YPVS
YRS
YSO
YST
YT
YTD
YU
YV
YWCA
YWHA
YY
Yaakov
Yablon
Yablonoï Mountains
Yablonoïvoi
Yablonoïvy Mountains
Yabucoa
Yabuku Gowon
Yacano
Yachats
Yacolt
Yacov
Yadava
Yadkin
Yadkinville
Yaeger
Yael
Yafa
Yafô
Yager
Yagi aerial
Yagnob
Yagua
Yahata
Yahgan
Yahganan
Yahgans
Yahiya
Yahiya Doumbia
Yahoo
Yahoodom
Yahooish
Yahooism
Yahooos
Yahrzeit
Yahuna
Yahuskin
Yahve
Yahveh
Yahvist
Yahvistic
Yahwe
Yahweh
Yahwism
Yahwist
Yahwistic
Yahya Khan
Yajna
Yajnavalkya
Yajur-Veda
Yajur-veda
Yaka
Yakala
Yakan
Yaker
Yakima
Yakona
Yakonan
Yakut
Yakutat
Yakutsk
Yalaha
Yalcin Hussein
Yale
Yale lock
Yalensian
Yalonda
Yalta
Yalu
Yalu River
Yam
Yama
Yamacraw
Yamagata
Yamaha
Yamamadi
Yamani
Yamashita
Yamassee
Yamato
Yamato-e
Yamauchi
Yamel
Yameo
Yami
Yamis
Yampa
Yan
Yana
Yanan
Yanaton
Yance
Yancey
Yanceyville
Yancy
Yand
Yang
Yang Chin
Yang Shangkun
Yangku
Yangtze
Yangtze Kiang
Yangtze-Kiang
Yanina
Yank
Yankee
Yankee Doodle
Yankee horse trader
Yankee-doodle
Yankee-doodledom
Yankee-doodleism
Yankeedom
Yankeefied
Yankeefy
Yankeefying
Yankeism
Yankeest
Yankeeize
Yankeeland
Yankeeness
Yankeetown
Yankton
Yanktonai
Yann
Yannigan
Yannina
Yantic
Yantis
Yao
Yao yin
Yao-min
Yaounde
Yaoundor Yaunde
Yap
Yaphank
Yapman
Yapur
Yaqui
Yaquina
Yarak
Yarborough
Yard
Yardley
Yards
Yarkand
Yarmouth
Yarmuk
Yarnell
Yaron
Yaroslavl
Yaru
Yarura
Yaruran
Yaruro
Yarvis
Yasht
Yashts
Yasmeen
Yasmin
Yasmine
Yasna
Yasnian
Yasser Arafat
Yassy
Yasu
Yasuhiro Nakasone
Yasui
Yasuo
Yate
Yates
Yatesboro
Yatesville
Yatigan
Yatvyag
Yatzeck
Yauapery
Yauco
Yaunde
Yavapai
Yavar
Yawata
Yawkey
Yaya
Yazbak
Yazd
Yazdegerdian
Yazoo
Yb
Ydalir
Yeaddiss
Yeager
Yeagertown
Yeargain
Yearwood
Yeaton
Yeats
Yeatsian
Yecies
Yed posterior
Yed prior
Yedo
Yee
Yefremov
Yegor Ligachev
Yeh
Yeh Chien-ying
Yehudi
Yehudit
Yeisk
Yekaterinburg
Yekaterinodar
Yekaterinoslav
Yelena
Yelich
Yelisavetgrad
Yelisavetpol
Yellow Hats
Yellow Pages
Yellow River
Yellow Sea
Yellow Springs
Yellowknife
Yellowstone
Yellowstone Falls
Yellowstone National Park
Yellville
Yelm
Yelmene
Yemane
Yemassee
Yemen
Yemen Arab Republic
Yemeni
Yemenic
Yemenite
Yen
Yen Lo
Yenakiyero
Yenan
Yengee
Yengeese
Yenisei
Yenisei ostyak
Yeniseian
Yentai
Yeo
Yeoman of the Royal Guard
Yeorgi
Yerava
Yeraver
Yerba de para
Yerevan
Yerga
Yerington
Yerkes
Yerkovich
Yermo
Yerwa-Maiduguri
Yerxa
Yesenin
Yeshibah
Yeshiva
Yesil Irmak
Yesilk
Yesilkoy
Yesima
Yeso
Yeta
Yetac
Yetah
Yetta
Yetem
Yetti
Yettie
Yetty
Yeung
Yevette
Yevgeny Chazov
Yevtushenko
Yezd
Yezdi
Yezidi
Yezo
Ygdrasil
Ygerne
Yggdrasil
Yi
Yid
Yiddish
Yiddisher
Yiddishism
Yiddishist
Yigael Hurvitz
Yigal Allon
Yigdal
Yikirgalit
Yila
Yildun
Yim
Yin
Yin and Yang
Yin-Yang School
Yinchuan
Yingkow
Yirinec
Yitzhak Rabin
Yitzhak Shamir
Yizkor
Ylla
Yma
Young Lonigan
Young Pretender
Young Turk
Young plan
Young's modulus
Younger
Younger Edda
Younglove
Youngman
Youngran
Youngstown
Youngsville
Youngtown
Youngwood
Yountville
Your Excellency
Your Highness
Your Ladyship
Your Lordship
Your Majesty
Yousaf Abu Hantash
Youskevitch
Yousuf
Yvonnda
Yponomeuta
Yponomeutid
Yponomeutidae
Ypres
Ypsilanti
Ypurinan
Yquem
Yreka
Ysabel
Ysaye
Yser
Yseult
Yseulta
Yseulte
Ysolde
Yssel
Yt
Yu
Yuan
Yuapin
Yucaipa
Yucat
Yucatan
Yucatec
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z-bar</td>
<td>Z-shaped</td>
</tr>
<tr>
<td>ZA</td>
<td>ZANU</td>
</tr>
<tr>
<td>ZAPU</td>
<td>ZB</td>
</tr>
<tr>
<td>ZBB</td>
<td>ZBR</td>
</tr>
<tr>
<td>ZD</td>
<td>ZETA</td>
</tr>
<tr>
<td>ZG</td>
<td>ZG</td>
</tr>
<tr>
<td>ZGS</td>
<td>ZI</td>
</tr>
<tr>
<td>ZIF</td>
<td>ZIP</td>
</tr>
<tr>
<td>ZIP code</td>
<td>ZK</td>
</tr>
<tr>
<td>ZMRI</td>
<td>ZPG</td>
</tr>
<tr>
<td>ZPRSN</td>
<td>ZST</td>
</tr>
<tr>
<td>ZT</td>
<td>ZWEI</td>
</tr>
<tr>
<td>ZZ</td>
<td>ZZZ</td>
</tr>
<tr>
<td>Zaandam</td>
<td>Zabaean</td>
</tr>
<tr>
<td>Zabaism</td>
<td>Zaberma</td>
</tr>
<tr>
<td>Zabian</td>
<td>Zabism</td>
</tr>
<tr>
<td>Zabrina</td>
<td>Zabrina</td>
</tr>
<tr>
<td>Zabrine</td>
<td>Zaburze</td>
</tr>
<tr>
<td>Zabulon</td>
<td>Zacarias</td>
</tr>
<tr>
<td>Zacata</td>
<td>Zacatec</td>
</tr>
<tr>
<td>Zacatec</td>
<td>Zacatecas</td>
</tr>
<tr>
<td>Zacateco</td>
<td>Zacaccaria</td>
</tr>
<tr>
<td>Zacek</td>
<td>Zach</td>
</tr>
<tr>
<td>Zachar</td>
<td>Zacharia</td>
</tr>
<tr>
<td>Zacharia</td>
<td>Zacharias</td>
</tr>
<tr>
<td>Zacharie</td>
<td></td>
</tr>
</tbody>
</table>
Zalucki
Zama
Zambac
Zambal
Zambezi
Zambeziian
Zambia
Zambian
Zamboanga
Zamenhof
Zamenis
Zamia
Zamiaceae
Zamicrus
Zamir
Zamora
Zampardi
Zampino
Zan
Zanclidae
Zanclodon
Zanclodontidae
Zande
Zandra
Zandt
Zane
Zanesfield
Zaneski
Zanesville
Zaneta
Zaniah
Zannichellia
Zannichelliaceae
Zannini
Zanoni
Zanonia
Zante
Zantedeschia
Zanthorrhiza
Zanthoxylaceae
Zanthoxylum
Zantiot
Zantos
Zanuck
Zanzalian
Zanze
Zanzibar
Zanzibar copal
Zanzibari
Zapara
Zaparan
Zaparo
Zaparoan
Zapata
Zaphetic
Zaphrentidae
Zaphrentis
Zapodidae
Zapodinae
Zaporogian
Zaporogue
Zaporozhe
Zaporozhye
Zapotec
Zapotecan
Zapoteco
Zappa
Zaptoeca
Zapus
Zaqaziq
Zaque
Zara
Zaragoza
Zarah
Zaramo
Zarathustra
Zarathustrian
Zarathustrianism
Zarathustric
Zarathustrism
Zard Kuh
Zardeh Kuh
Zardushti
Zare
Zared
Zarema
Zaremki
Zarga
Zarger
Zaria
Zarla
Zarpanit
Zashin
Zaslow
Zasuwa
Zaurak
Zauschneria
Zavala
Zavalla
Zavijava
Zavras
Zawde
Zbigniew Brzezinski
Zbigniew Bujak
Zea
Zealand
Zealander
Zealot
Zearing
Zeb
Zeba
Zebada
Zebadiah
Zebapda
Zebe
Zebedee
Zeboim
Zebrina
Zebulen
Zebulon
Zebulun
Zebulunite
Zech
Zechariah
Zechstein
Zeculon
Zed
Zedekiah
Zeeba
Zeebrugge
Zeeland
Zeelander
Zeeman
Zeeman effect
Zeena
Zeffirelli
Zeguha
Zehe
Zeidae
Zeidman
Zeiger
Zeigler
Zeiler
Zeiss
Zeist
Zeitgeist
Zeitler
Zeke
Zel
Zela
Zelanian
Zelazny
Zelda
Zelde
Zelienople
Zelig
Zelikow
Zeljko Franulovic
Zelkova
Zell
Zella
Zellamae
Zelle
Zellerbach
Zellner
Zellwood
Zelma
Zelmira
Zelos
Zelten
Zeltinger
Zemstrom
Zen
Zen Buddhism
Zena
Zenaga
Zenaida
Zenaidinae
Zenaidura
Zenas
Zend
Zend-Avesta
Zend-avesta
Zend-avestaic
Zenda
Zendah
Zendic
Zenelophon
Zener diode
Zenger
Zenia
Zenic
Zenist
Zennas
Zennie
Zeno
Zeno of Citium
Zeno of Elea
Zeno the Stoic
Zenobia
Zanon Kliszko
Zenonian
Zenonic
Zeoidei
Zeona
Zep
Zeph
Zephan
Zephaniah
Zephyr
Zephyranthes
Zephyrhills
Zephyrinus
Zephyrus
Zeppelin
Zeralda
Zerelda
Zerk
ZerlaZerlina
Zerline
Zerma
Zermatt
Zermelo's axiom
Zernike
Zero-zero
Zerol gear
Zerubbabel
Zervan
Zervanism
Zervanite
Zeta
Zetana
Zetes
Zethar
Zethus
Zetland
Zetta
Zeuctocoelomata
Zeuglodon
Zeuglodonta
Zeuglodontia
Zeuglodontidae
Zeugobranchia
Zeugobranchiata
Zeus
Zeuxian
Zeuxis
Zeuzera
Zeuzeridae
Zhang
Zhang Aiping
Zhang Chungqiao
Zhao Ziyang
Zhdanov
Zhitomir
Zhivkov
Zhmud
Zhukov
Zia
Zia ul Haq
Ziagos
Ziaur Rahman
Zicarelli
Zidkijah
Ziegfeld
Ziegler
Ziegler catalyst
Zieglerville
Zielsdorf
Zif
Zigeuner
Zigmund
Zigrang
Ziguard
Ziguinchor
Zilber
Zildjian
Zilla
Zillah
Zilpah
Zilvia
Zim
Zima
Zimbabwe
Zimbalist
Zimmerman
Zimmer
Zimmerwaldian
Zimmerwaldist
Zina
Zinah
Zincale
Zinck
Zinder
Zindman
Zinfandel
Zingale
Zingg
Zingiber
Zingiberaceae
Zinjanthropus
Zink
Zinn
Zinnes
Zinnia
Zino
Zinoviev
Zinovievsk
Zins
Zinsser
Zinzar
Zinzendorf
Zinziberaceae
Zion
Zion National Park
Zionism
Zionist
Zionistic
Zonite
Zionless
Zionsville
Zionville
Zionward
Zip
Zipa
Zipah
Zipangu
Zippiidae
Zippiinae
Ziphius
Zipnick
Zippel
Zipper
Zippora
Zipporah
Zonta club
Zontian
Zonuridae
Zonurus
Zoochlorella
Zoomastigina
Zoomastigoda
Zoophaga
Zoophagineae
Zoophyta
Zootoca
Zophar
Zoque
Zoquean
Zora
Zorah
Zorana
Zoraptera
Zorillinae
Zorina
Zorine
Zorn
Zorn's lemma
Zoroaster
Zoroastrian
Zoroastrianism
Zoroastrism
Zorobabel
Zorotypus
Zortman
Zosema
Zoser
Zosi
Zosima
Zosimus
Zosma
Zostera
Zosteraceae
Zosteria
Zosteropinae
Zosterops
Zouave
Zouave jacket
Zoubek
Zoug
Zoysia
Zr
Zrich
Zurbaran
Zurek
Zurheide
Zurich
Zurkow
Zurn
Zurvan
Zusman
Zutugil
Zuyder Zee
Zuzana
Zviad Gamsakhurdia
Zwart
Zweig
Zwick
Zwickau
Zwicky
Zwieback
Zwiebel
Zwingle
Zwingli
Zwinglian
Zwinglianism
Zwinglianist
Zwolle
Zworykin
Zyadenus
Zygaeina
Zygaeinidae
Zygema
Zygemateae
Zygematales
Zygobranchia
Zygobranchiata
Zygocactus
Zygodactylae
Zygodactyli
Zygomyces
Zygophyceae
Zygophyllaceae
Zygophyllum
Zygoptera
Zygopteraceae
Zygopterides
Zygopteris
Zygosphaccharomyces
Zyrenian
Zyrion
Zyryan
Zysk
Zythia
Zyromys
Zyzzogeton
Zz
a Chinaman's chance
a Roland for an Oliver
a bad penny
a barren waste
a bas
a base
a battery
a being
a belief
a beneplacito
a better place
a bill of goods
a billion
a bit
a bit different
a bit much
a bit previous
a bit thick
a bit thin
a blanc
a bon marché
a brain-spattering
a breath
a broken reed
a bum rap
a bundle of nerves
a capite ad calcem
a cappella
a capriccio
a car in every garage
a card up your sleeve
a certain
a certain number
a cheval
a chicken in every pot
a comedy to those who think
a continental
a contre cour
a corner on
a corps perdu
a corpse upon the road of night
a couple of
a couvert
a crore
a crown of glory
a curse
a cut above
a damn
a dark illimitable ocean
a darn
a datu
a deal
a debt we all must pay
a decent sort of fellow
a demain
a deus
a diet of cake
a dime a dozen
a discretion
a disgrace to your name
a divinity that shapes our ends
a dog's life
a dome of many-colored glass
a drawing toward
a drop in the bucket
a drop in the ocean
a due
a fabulous
a fair field and no favor
a far cry
a far cry from
a fat chance
a fat lot
a fatal complaint
a feather in your cap
a few
a few words of wisdom
a finder of occasions
a fire-red cherubim's face
a fond
a fool
a form of catharsis
a form of genius
a fortiori
a fortiori reasoning
a game of circles
a game two can play
a gentleman and a scholar
a ghost of a chance
a globe burnt out
a god in ruins
a gogo
a good hand at
a good ways off
a great deal
a greater number
a habit
a hall
a hand at
a hand for
a handicraft in flower
a handmaid to religion
a hard
a hieroglyphic
a high
a hit below the belt
a hive of glass
a hog for
a hoot
a huis clos
a hundred to one
a jillion
a kind of praise
a knave
a l'allemande
a l'americaine
a l'anglaise
a l'aurore
a l'espagnole
a l'estragon
a l'etouffee
a l'improviste
a l'italienne
a la
a la Chateaubriand
a la Crecy
a la Croissy
a la Maintenon
a la Marengo
a la Maryland
a la Newburg
a la Perigord
a la Soubise
a la bearmaine
a la bonne femme
a la bordelaise
a la bourgeoise
a la carte
a la casserole
a la cocotte
a la coque
a la creole
a la dauphine
a la dauphinoise
a la derobee
a la diable
a la francaise
a la godiveau
a la grecque
a la jardiniere
a la julienne
a la king
a la lyonnaise
a la macedoine
a la maitre d'hôtel
a la matelote
a la mire
a la mode
a la mode de Caen
a la mort
a la napolitaine
a la normande
a la parisienne
a la polonaise
a la printaniere
a la ravigote
a la reine
a la russe
a la serviette
a la sourdine
a la suisse
a la tartare
a la vinaigrette
a lac
a lakh
a lamp unto my feet
a leg up
a lick and a promise
a life of dignified otiosity
a lily-livered
a little
a little at a time
a little learning
a little one-eyed
a little sleep
a little slumber
a little thing
a little too thick
a load off your mind
a long cry to
a long lesson in humility
a long pull
a long time ago
a long way off
a long while ago
a lot
a lot alike
a lot going for one
a lot on the ball
a lot to do with
a lot to say about
a man
a man among men
a mass of
a mensa et thoro
a mile long
a mile off
a million
a mind of your own
a minor form of despair
a mite different
a moment standing still for ever
a monster begot upon itself
a month of Sundays
a myriad
a necessary evil
a new lease on life
a nickname of Providence
a nipping and an eager air
a noble and expressive language
a nobody
a nonillion
a nose for news
a nothing
a novice at
a number
a number of times
a trance
a pack of lies
a paltry thing
a party to
a pas de geant
a pat on the back
a per se
a person of low taste
a perte de vue
a piacere
a pick a back
a piece of cake
a piece of the action
a place in the sun
a placing over against
a plague upon
a play for time
a play of passion
a plomb
a poco
a poem without words
a poor
a posteriori
a posteriori reasoning
a pox upon
a prendre
a preparation
a pretty mocking of the life
a pretty penny
a priori
a priori knowledge
a priori principle
a priori reasoning
a priori truth
a propos
a punta d'arco
a pure and grandfather moss
a putting or inflicting upon
a putting or lying between
a quadrillion
a quarter after
a quarter of
a quarter past
a quarter to
a quo
a radical change
a rascal
a rascally yeaforsooth knave
a reasoning animal
a rebours
a reckoning of
a reculons
a rivederci
a robbery
a ruined world
a runout powder
a sadder and a wiser man
a sandpile we run our fingers in
a screw loose
a seat where gods might dwell
a set of lies agreed upon
a short life and a merry one
a short time ago
a single separate person
a slipper and subtle knave
a sort of second nature
a sound mind in a sound body
a stitch in time
a stranger to
a string to it
a stroke above
a strong brown god
a strong pull
a sucker
a tale told by an idiot
a tale-bearing animal
a tall order
a tattered coat upon a stick
a temple sacred by birth
a tempo
a tergo
a theft
a thing for
a thing that shades
a thing to be desired
a thinking reed
a third something
a thousand
a thousand and one
a thousandfold
a thrusting away
a tinker's damn
a tool-making animal
a tool-using animal
a tooth for a tooth
a toute a l'heure
a toute outrance
a tragedy to those who feel
a transient madness
a turn to the right-about
a tyrant
a tyro at
a vast
a verray parfit gentil knight
a vinculo matrimonii
a vol
a votre sante
a way back
a whoreson
a wild of sand
a will of your own
a wise passiveness
a world of
a world-without-end bargain
a year and a day
a young person
a zillion
a-
a-be
a-bomb
a-borning
a-c
a-clock
a-coast
a-cock-bill
a-cock-horse
a-compass
a-cry
a-dance
a-dangle
a-dead
a-deep
a-doors
a-flicker
a-game
a-glimmer
a-glucosidase
a-good
a-gore-blood
a-height
a-hey
a-high
a-high-lone
a-hold
a-horizon
a-horseback
a-hunt
a-morrow
a-pieces
a-pin
a-plenty
a-poop
a-quarter
a-quiver
a-rake
a-riot
a-ripple
a-roar
a-room
a-root
a-row
a-sale
a-sea
a-seethe
a-seity
a-shake
a-shine
a-shipboard
a-shiver
a-simmer
a-slug
a-smear
a-smoulder
a-snort
a-soak
a-south
a-sparkle
a-spout
a-sprawl
a-spread
a-sprout
a-squat
a-squirm
a-starboard
a-stare
a-start
a-stay
a-stays
a-straddle
a-strain
a-strand
a-strut
a-sudden
a-swarm
a-swash
a-sway
a-sweat
a-swim
da-swing
da-swoon
da-temporal
da-thrill
da-throb
da-throng
da-tiptoe
da-tolyl
da-tremble
da-trip
da-try
da-tumble
da-twain
da-twist
da-twitter
da-two
da-v
da-weather
da-week
da-west
da-wheels
da-whet
da-whiles
da-whir
da-whirl
da-wing
da-wink
da-wobble
da-work
da-wrack
da-wreak
da-year
da-yelp
a/cs pay
a/cs rec
ab aeterno
ab extra
ab initio
ab intra
ab origine
ab ovo
ab ovo usque ad mala
ab urbe condita
ab-
abacus major
abacus pythagoricus
abalone shell
abandon hope
abandon the world
abandoned person
abandoned thing
abase bemean
abase yourself
abatement of differences
abb wool
abbey counter
abbey laird
abbey lands
abbey lubber
abbot cloth
abbreviated number
abc soil
abdominal epilepsy
abdominal hernia
abdomino-uterotomy
abducens nerve
abducent nerve
abelian group
aberdeen angus
aberrant duct
aberration constant
abide by
abide in
abide with
abide your time
abiding place
abietic acid
abject apology
abject defeat
abject fear
ablative absolute
ablative operation
able rating
able seaman
able to adapt
able to bend without breaking
able to pay
able to roll with the punches
able to walk the chalk
able to walk the chalk line
able to walk the chalk mark
able-bodied
able-bodied seaman
able-bodiedness
able-minded
above-named
above-quoted
above-reported
above-said
above-water
above-written
abraham-man
abraum salts
abraxas stone
abreast of
abreast of the times
abruptly acuminate
abruptly pinnate
abs-
abscisic acid
absciss layer
abscission layer
abscission zone
absence flag
absence of assignable cause
absence of authority
absence of charge
absence of color
absence of mind
absence of motion
absence state
absence without leave
absent flag
absent treatment
absent voter
absent without leave
absent yourself
absent yourself from
absent-minded
absent-mindedly
absent-mindedness
absente reo
absentee ballot
absentee landlord
absentee vote
absentee voter
absentee voting
absinthe green
absinthe oil
absit omen
absolute alcohol
absolute altimeter
absolute altitude
absolute angstrom
absolute ceiling
absolute certainty
absolute complement
absolute contradiction
absolute convergence
absolute credibility
absolute ego
absolute fact
absolute free will
absolute humidity
absolute idea
absolute idealism
absolute idealist
absolute impediment
absolute index of refraction
absolute indication
absolute interest
absolute likeness
absolute magnitude
absolute majority
absolute master
absolute maximum
absolute minimum
absolute monarch
absolute monarchy
absolute music
absolute permeability
absolute permittivity
absolute pitch
absolute power
absolute realism
absolute ruler
absolute scale
absolute space
absolute spirit
absolute temperature
absolute unit
absolute value
absolute veto
absolute viscosity
absolute zero
absolutely no
absolutely right
absorb the attention
absorb the shock
absorb the thought
absorb the thoughts
absorbed attention
absorbed by
absorbed in
absorbed in thought
absorbed interest
absorbed with
absorbent cotton
absorber oil
absorbing well
absorption and regurgitation
absorption band
absorption bands
absorption circuit
absorption coefficient
absorption current
absorption discontinuity
absorption dynamometer
absorption edge
absorption factor
absorption limit
absorption lines
absorption pipette
absorption screen
absorption spectrum
absorption system
abstain from
abstinence from food
abstinence theory
abstract algebra
abstract art
abstract classicism
abstract classicist
abstract expressionism
abstract expressionist
abstract group
abstract idea
abstract mathematics
abstract mechanics
abstract noun
abstract of title
abstract space
abstract thought
abstract yourself
absurd idea
abundance declaree
abundant number
abundant year
aburachan seed
abuse a privilege
abuse of office
abuse of terms
abuse your rights
abuse yourself
abut on
abut upon
abutment arch
abutment pier
abutting joint
abyssal rock
abyssal zone
abyssinian cat
ac-
ac-globulin
acacia veld
academic choctaw
academic costume
academic dean
academic degree
academic degrees
academic discipline
academic disputation
academic dress
academic freedom
academic gown
academic hood
academic institution
academic psychology
academic rank
academic robe
academic specialty
academic year
academy blue
academy board
academy figure
academy of music
acajou balsam
acanth-
acantho-
acanthosis nigricans
acanthus family
acanthus leaf
acaroid gum
acaroid resin
acaroid resins
accede to
accede to prejudice
accede to the throne
acceleration coefficient
acceleration due to gravity
acceleration note
acceleration of free fall
acceleration of gravity
acceleration principle
accelerator globulin
accelerator nerve
accent mark
accentual meter
accept Christ
accept a challenge
accept advice
accept for gospel
accept implicitly
accept obligation
accept responsibility
accept the responsibility
accept unquestioningly
accept your fate
accept your lot
acceptable person
acceptance bill
acceptance house
acceptance race
acceptance sampling
acceptance speech
acceptance supra protest
accepted conduct
accepted fact
accepted masons
accepted meaning
acceptor atom
acceptor impurity
acceptor supra protest
access road
access time
accession book
accession number
accession service
accession to power
accessory adjunct
accessory after the fact
accessory before the fact
accessory chromosome
accessory fruit
accessory nerve
accident boat
accident insurance
accident neurosis
accident prone
accident tout
accident-prone
accidental discovery
acclamation medal
acclimation fever
accommodate distribution
accommodate to
accommodate with
accommodate yourself to
accommodated to
accommodation acceptance
accommodation address
accommodation bill
accommodation draft
accommodation group
accommodation ladder
accommodation line
accommodation paper
accommodation train
accommodation works
accompaniment figure
accompanying fire
accomplice in crime
accomplished fact
accord a blank check
accord respect to
accord to
according as
according to
according to Hoyle
according to circumstances
according to custom
according to expectation
according to law
according to regulations
according to reports
according to rule
according to rumor
according to the agreement
according to the bargain
according to the contract
according to the dictates of Mrs
according to the evidence
according to the letter
according to this reading
according to use
according to your lights
accordion pleat
accordion pleats
account as
account book
account current
account day
account days
account duty
account entry
account executive
account for
account of
account payable
account receivable
account render
account rendered
account sales
account stated
account with
accountant general
accounted as
accounting for
accounting period
accounts current
accounts payable
accounts payable ledger
accounts receivable
accounts receivable ledger
accredit with
accrete to
accretion borer
accretion cutting
accroach to yourself
accroides gum
accrual basis
accrue from
accrue to
accrued dividend
accrued dividends
accrued interest
accrued liability
accumulated dividends
accumulation factor
accumulation point
accusative-dative
accuse of
accuse yourself
accustom yourself to
ace in the hole
ace point
ace-high
acet-
acetal phosphatide
acetate green
acetate nitrate
acetate rayon
acetic acid
acetic acid amide
acetic anhydride
aceto-
acetoacetic acid
acetone alcohol
acetone body
acetone chloroform
acetone oil
acetous fermentation
acetyl benzoyl peroxide
acetyl bromide
acetyl carbinol
acetyl chloride
acetyl group
acetyl index
acetyl number
acetyl oxide
acetyl radical
acetyl value
acetylene acid
acetylene alcohol
acetylene black
acetylene burner
acetylene dichloride
acetylene dinitrile
acetylene gas
acetylene generator
acetylene linkage
acetylene series
acetylene tetrabromide
acetylene tetrachloride
acetylene torch
acetylene urea
acetylene welder
acetylene welding
acetylformic acid
acetylsalicylic acid
acey-deucy
ach-y-fi
ache for
ache to
achemon sphinx
aches and pains
achieve inner harmony
achieve orgasm
achieve satisfaction
achieve success
achieve your purpose
achievement age
achievement quotient
achievement test
achilles tendon
achilles' heel
aching for
aching heart
aching to
aching void
achingly sweet
achromat-
achromatic color
achromatic colour
achromatic lens
achromatic prism
achromatic vision
achroo-
achylia gastrica
acid albumin
acid albuminate
acid alizarin black
acid alizarin red
acid amide
acid anhydride
acid anthracene brown
acid azide
acid bath
acid bessemer process
acid black
acid blast
acid blower
acid boiler
acid bronze
acid brown
acid burner
acid casein
acid cell
acid color
acid concentrator
acid dipper
acid drop
acid dye
acid dyspepsia
acid egg
acid ester
acid freak
acid fuchsine
acid gloss
acid green
acid halide
acid honey
acid hydrolysis
acid kiln
acid metaprotein
acid nitrile
acid number
acid oil
acid phosphate
acid ponceau
acid precipitation
acid process
acid purifier
acid radical
acid reaction
acid reserve
acid resist
acid rock
acid salt
acid sludge
acid sodium carbonate
acid soil
acid steel
acid test
acid test ratio
acid tide
acid value
acid violet
acid wood
acid worker
acid works
acid yellow
acid-ash diet
acid-base metabolism
acid-binding
acid-fast
acid-fastness
acid-forming
acid-head
acid-mordant dye
acid-treat
acidity coefficient
acidophilus milk
ack emma
ack-ack
ack-pirate
acknowledge defeat
acknowledge receipt of
acclinic line
acme harrow
acme of perfection
acme screw thread
acme thread
acne vulgaris
aconite violet
acorn barnacle
acorn chair
acorn clock
acorn cup
acorn duck
acorn moth
acorn shell
acorn spoon
acorn squash
acorn sugar
acorn tube
acorn valve
acorn weevil
acorn worm
acorn-shell
acouchi resin
acoustic feature
acoustic gramophone
acoustic impedance
acoustic inertance
acoustic mass
acoustic meatus
acoustic mine
acoustic nerve
acoustic ohm
acoustic phonetics
acoustic reactance
acoustic resistance
acoustic tile
acoustic wave
acoustical cloud
acoustical engineer
acoustical network
acoustical phenomenon
acoustico-
acquaint yourself with
acquainted with
acquiesce in
acquire information about
acquire intelligence about
acquired character
acquired characteristic
acquired epilepsy
acquired immunity
acquired syphilis
acquired taste
acquired tolerance
acquisition of knowledge
acquit yourself
acquit yourself of
acquittance roll
acr-
acre-dale
acre-foot
acre-inch
acridine dye
acridine dyes
acridine yellow
acriflavine hydrochloride
acro-
acrobatic evolutions
acrobatic maneuvers
across the board
across the grain
across the sea
across-the-board
acrylate resin
acrylic acid
acrylic acid series
acrylic aldehyde
acrylic ester
acrylic fiber
acrylic fibre
acrylic paint
acrylic painting
acrylic resin
acrylyl group
acrylyl radical
act a part
act a role
act all over the stage
act as
act as a cathartic
act as feeder
act as foil
act beneath yourself
act between
act call
act curtain
act drop
act for
act holier than thou
act in concert
act in opposition to
act in the interests of
act in the place of
act like
act like a tonic
act like a trouper
act of God
act of accomplishing
act of contrition
act of courtesy
act of faith
act of folly
act of god
act of grace
act of kindness
act of love
act of lowering
act of politeness
act of rising
act of thought
act of war
act on
act on behalf of
act on the spur of the moment
act on your own responsibility
act opposite
act out
act psychology
act the fool
act the grand seigneur
act the hypocrite
act the part of
act the traitor
act together
act toward
act tune
act up
act up to
act upon
act warning
act well
act with
act with regard to
act your age
act your part
act-wait
actin-
acting area
acting company
acting corporal
acting device
acting school
acting sergeant
acting-out
actinic light
actinic radiation
actinic ray
actinide series
actinium emanation
actinium series
actino-
actinouranium series
action and reaction
action busher
action consciousness
action current
action extension
action filer
action finisher
action forger
action freer
action jointer
action machiner
action noun
action painter
action painting
action potential
action rail
action regulator
action replay
action sermon
action stations
action theory
action time
action viewer
action-taking
action-taking knave
activated alumina
activated carbon
activated charcoal
activated epilepsy
activated sludge
activated-sludge process
activation energy
active algolagnia
active carbon
active communications satellite
active current
active duty
active fancy
active immunity
active layer
active list
active market
active operations
active principle
active reason
active securities
active service
active stock
active treatment
active use
active voice
active-bodied
active-limbed
active-minded
activist art
activity coefficient
activity stream
activity theory
actor's agent
actor's lines
actor-manager
actor-proof
actual cautery
actual cost
actual energy
actual fact
actual grace
actual presence
actual price
actual sin
actual thing
actuality theory
actuarial calculation
actuarial prediction
actuarial table
acute accent
acute alcoholism
acute angle
acute anterior poliomyelitis
acute arch
acute arthritis
acute articular rheumatism
acute bisectrix
acute bronchitis
acute condition
acute conjunctivitis
acute disease
acute inflammation
acute leukemia
acute pain
acute sense of hearing
acute sight
acute-angled
acute-angled triangle
acuti-
acuto-
acuyari palm
acuyari wood
acyclic co-ordinates
acyclic terpene
acyl group
acyl radical
ad Kalendas Graecas
ad arbitrium
ad astra per aspera
ad captandum vulgus
ad esse
ad eundem
ad extremum
ad fin
ad gloriam
ad hoc
ad hoc committee
ad hoc measure
ad hominem
ad hominem attack
ad in
ad inf
ad infinitum
ad init
ad initium
ad int
ad interim
ad lib
ad libitum
ad limina
ad litem
ad litteram
ad loc
ad majorem Dei gloriam
ad nauseam
ad out
ad patres
ad quem
ad rem
ad utrumque paratus
ad val
ad valorem
ad valorem duty
ad valorem tax
ad verbum
ad vitam
ad vivum
ad-
ad-lib
ad-libbed
ad-libber
ad-libbing
adam's apple
adam's needle
adam-and-eve
adapt to
adapted to
adaptive radiation
adar sheni
add a codicil
add fuel to the fire
add fuel to the flame
add gas
add insult to injury
add to
add up
add up to
add-add
added sixth
added sixth chord
added to
addendum circle
adder bead
adder fly
adder gem
adder pike
adder stone
adder's fern
adder's violet
adder's-grass
adder's-meat
adder's-mouth
adder's-mouts
adder's-tongue
adders-tongue
addict yourself to
addicted to
addicted to drink
addictive drug
adding machine
addison's disease
addition algebra
addition axiom
addition compound
addition logarithm
addition polymer
addition polymerization
addition product
addition table
addition theorem
additive color
additive group
additive inverse
additive primary
additive process
addle egg
addle the wits
address a warning to
address book
address the four walls
address to
address yourself to
addressing machine
adduce evidence
adductor canal
adductor impressions
aden-
adenohypophyseal luteotropin
adenosine diphosphate
adenosine phosphate
adenosine triphosphatase
adenosine triphosphate
adenosinediphosphoric acid
adenosinetriphosphoric acid
adenylic acid
adenylpyrophosphoric acid
adept in
adequate supply
ader wax
adhere to
adhere to your principles
adherence to the old and tried
adherent noun
adhesive cell
adhesive compress
adhesive factor
adhesive inflammation
adhesive plaster
adhesive tape
adiabatic absorption
adiabatic chart
adiabatic demagnetization
adiabatic diagram
adiabatic expansion
adipic acid
adipose fin
adipose tissue
adjacent angles
adjectival phrase
adjective equivalent
adjective pronoun
adjoint curve
adjoint differential equation
adjunct Logic
adjust to
adjust yourself to
adjustable propeller
adjustable spanner
adjustable wrench
adjustable-pitch
adjusted to
adjutant reaction
adjutant bond
adjutant mortgage
adjutant bird
adjutant crane
adjutant general
adjutant general corps
adjutant stork
adjutant-general
adjutants general
adjutant treatment
administer Communion
administer a sacrament
administer absolution
administer an oath
administer extreme unction
administer justice
administer rites
administer the Eucharist
administer to
administration of justice
administration, the
administrative county
administrative engineer
administrator ad litem
admiral of the fleet
admiral shell
admiralty alloy
admiralty bond
admiralty brass
admiralty bronze
admiralty cloth
admiralty law
admiralty metal
admiralty mile
admiration mark
admission fee
admission of light
admit everything
admit exceptions
admit of
admit of comparison
admit of no doubt
admit of no option
admitted fact
admitting no denial
admitting no dispute
admitting no doubt
admitting no exception
admitting no question
admitting that
adobe bug
adobe flat
adobe house
adobe lily
adobe tick
adolescent beard
adolescent stream
adopt a belief
adopt the cause of
adorer le veau d'or
adp-
adq-
adren-
adrenal gland
adrenal insufficiency
adrenocorticotrophic hormone
adrenocorticotropic hormone
adsorption compound
adsorption isotherm
adsuki bean
adult education
adulterous affair
advance against
advance agent
advance base
advance fee
advance guard
advance man
advance note
advance notice
advance party
advance payment
advance poll
advance sheets
advance signal
advance to the rear
advance tracks
advance upon
advanced age
advanced degree
advanced gas-cooled reactor
advanced guard
advanced in life
advanced in years
advanced standing
advanced trainer
advanced work
advanced years
advancing color
advantage ground
advantageous purchase
advection fog
advent sunday
adventure playground
adventure story
adverb equivalent
adverbial noun
adverbial phrase
adversative asyndeton
adversative conjunction
adverse circumstances
adverse criticism
adverse party
adverse possession
adverse to
advert to
advertise of
advertise yourself
advertisement canvasser
advertisement contractor
advertising account
advertising agency
advertising man
advertising matter
advertising writer
advice boat
advise colleague
advise with
advise with your pillow
advisory body
advisory council
advisory opinion
advocacy journalism
advocatus diaboli
advocatus ecclesiae
adz block
adz eye
adzuki bean
ae-
aeolian harp
aeolian lyre
aeolo-
aeons ago
aequo animo
aer-
aerating root
aere perennius
aeri-
aerial bomb
aerial combat
aerial heights
aerial infection
aerial ladder
aerial mine
aerial mosaic
aerial navigation
aerial perspective
aerial photograph
aerial photographer
aerial photography
aerial pingpong
aerial railway
aerial reconnaissance camera
aerial survey
aerial tactics
aerial torpedo
aerial tramway
aerial warfare
aero arrow
aero engine
aero-
aero-otitis
aero-otitis media
aerobic bacteria
aerobic organism
aerodynamic center
aerodynamic pitch
aerodynamic trajectory
aerodynamic volume
aerodynamic wave drag
aerogenic tuberculosis
aerological instrument
aeronautical chart
aeronautical engineer
aeronautical engineering
aeronautical meteorology
aeronautical relay
aerootitis media
aeroplane cloth
aeroplane spin
aerosol bomb
aerosol therapy
aerospace engineer
aerospace engineering
aerospace medicine
aerospace research
aerospace science
aerospace technology
aerostatic lift
aerothermodynamic duct
aerotitis media
aesthesio-
aesthetic distance
aesthetic form
aesthetic judgment
aesthetic proportions
aesthetic taste
aesthetically appealing
aethophysiology
aetatis suae
aethiops mineral
af-
afar off
afebrile delirium
aff loof
affair of honor
affair of the heart
affaire d'amour
affaire d'honneur
affaire de coeur
affaires d'amour
affaires d'honneur
affaires de coeur
affect emotionally
affect epilepsy
affect memory
affect the guise of
affect the interest
affect the manner of
affect your mind
affectedly nice
affectionate name
affective faculty
affective meaning
afferent neuron
affiliate to
affiliate with
affiliated stations
affiliation order
affiliation proceedings
affine connection
affine geometry
affine group
affine transformation
affinity constant
affirmative action
affirmative attitude
affirmative expression
affirmative flag
affirmative voice
affirmative vote
affirmative-action
affirming gun
afford hope
afford proof of
afford support
afford to pay
afford you pleasure
affording no hope
afghan hound
afghan stitch
afghani rupee
afoot and lighthearted
afore-acted
afore-cited
afore-coming
afore-decried
afore-given
afore-going
afore-granted
afore-heard
afore-known
afore-mentioned
afore-planned
afore-quoted
afore-running
afore-seeing
afore-seen
afore-spoken
afore-stated
afore-told
afoul of
afraid of your shadow
african violet
afro-american
afro-asiatic languages
aft the fantail
after a fashion
after a time
after a while
after all
after all is said and done
after bridge
after death
after deck
after mast
after shroud
after that
after the Fall
after the fact
after the flood
after the manner of men
after the war
after this
after this fashion
after time
after which
after your fancy
after your heart
after your own heart
after-
after-acquired
after-born
after-course
after-described
after-designed
after-dinner
after-dinner speaker
after-dinner speech
after-game
after-grass
after-guard
after-hours joint
after-image
after-life
after-mentioned
after-named
after-pain
after-shave lotion
after-specified
after-stampable
after-supper
after-theater
after-theatre
after-wit
after-written
afterbirth weed
afternoon lady
afternoon tea
afternoon watch
aftershave lotion
ag lug
ag-
again and again
again and yet again
again-
against all expectation
against order and discipline
against the
against the clock
against the grain
against the law
against the new and untried
against the sun
against the tide
against the time when
against the wind
against time
against your grain
against your will
agal-agal
agar-agar
agaric acid
agaric mineral
agaric acid
agate glass
agate gray
agate jasper
agate line
agate opal
agate shell
agate snail
agatho-
agave cactus
age class
age coating
age distribution
age grade
age group
age hardening
age limit
age norm
age of Aquarius
age of consent
age of discretion
age of growing pains
age of ignorance
age of matured powers
age of responsibility
age of retirement
age score
age society
age-adorning
age-bent
age-coeval
age-cracked
age-despoiled
age-dispelling
age-encrusted
age-enfeebled
age-group
age-harden
age-honored
age-lasting
age-long
age-old
age-peeled
age-struck
age-weary
age-weathered
age-worn
agee-jawed
agency shop
agent de bourse
agent intellect
agent noun
agent of production
agent officer
agent provocateur
agent-general
agents provocateurs
ageratum blue
ages ago
agger nasi
aggravated assault
aggravated larceny
aggregate fruit
aggregate polarization
aggregate to
aggregato-
aggressive mimicry
aggressive self-confidence
aggressively self-confident
aggressor nation
agile wit
again the government
agitator feed
agnus castus
agnus dei
agogic accent
agonic line
agonize over
agonizing pain
agony column
agony of mind
agony of spirit
agony of suspense
agrarian economics
agrarian economy
agree for the sake of argument
agree in opinion
agree in principle
agree on
agree on a verdict
agree on terms
agree provisionally
agree to
agree to anything
agree to differ
agree to disagree
agree upon
agree with
agreeable rattle
agreeable to
agreeable-sounding
agreeably to
agreed case
agreed on all hands
agreement in principle
agreement of all
agreement to disagree
agricultural agent
agricultural ant
agricultural chemical
agricultural deities
agricultural engineer
agricultural geology
agricultural region
culture divinity
agrimony bark
agrimony water hemp
agro-
ague bark
ague cake
ague drop
ague grass
ague tree
ague-faced
ague-plagued
ague-rid
ague-sore
ague-struck
aguja volador
ahead both motors
ahead full
ahead of
ahead of its time
ahead of the game
ahead of time
ahead one-third
ahead standard
ahead two-thirds
ahoy there
aid and abet
aid and comfort
aid for the blind
aid grant
aid prayer
aid station
aid to dependent children
aid to navigation
aid to the blind
aid-de-camp
aide-de-camp
aide-de-campship
aide-memoire
aide-mmoire
aides-de-camp
aids-de-camp
aigre-doux
aigue-marine
ailanthus family
ailanthus moth
ailanthus silkworm
aileron angle
aileron roll
aim a blow at
aim at
aim at a pigeon and kill a crow
aim high
aim to
aimed at
aiming point
ain't it the truth
air a grievance
air age
air alert
air ambulance
air arm
air armada
air attack
air bag
air base
air bath
air bed
air bell
air belt
air bends
air billow
air bladder
air blast
air blow
air blue
air box
air brake
air breather
air brick
air bridge
air brush
air bubble
air bump
air bus
air cadet
air car
air cargo
air carrier
air casing
air castle
air cataract
air cavalry
air cell
air chamber
air chest
air chief marshal
air chuck
air circuit breaker
air cleaner
air coach
air cock
air combat
air command
air commodore
air compressor
air condenser
air conditioner
air conditioning
air conduction
air consignment note
air control
air controlman
air controls
air cooler
air cooling
air corps
air corridor
air course
air cover
air crash
air crew
air crossing
air cruiser
air current
air curtain
air cushion
air cushion car
air cylinder
air discharge
air division
air drain
air drainage
air drill
air duct
air ejector
air embolism
air engine
air express
air filter
air fleet
air float
air flow
air force
air freight
air furnace
air gap
air gas
air gauge
air glow
air gun
air hammer
air harbor
air hoist
air hole
air horn
air hostess
air hunger
air injection
air injector
air intake
air jack
air jacket
air lance
air lane
air law
air layering
air leak
air legs
air letter
air level
air lift
air line
air liner
air lock
air log
air machine
air mail
air maneuver
air map
air marshal
air mass
air mattress
air medal
air medicine
air meter
air mile
air motor
air navigation
air observer
air out
air oven
air passage
air philately
air photograph
air photography
air pillow
air pilot
air piracy
air pirate
air pistol
air plant
air plot
air plug
air pocket
air police
air pollution
air pore
air post
air potato
air power
air pressure
air propeller
air pump
air race
air raid
air raid warden
air raider
air ram
air remover
air rifle
air right
air route
air sac
air scoop
air scout
air scuttle
air separation
air service
air serviceman
air shaft
air shovel
air show
air shuttle
air sleeve
air sock
air space
air spade
air speed
air spray
air sprayer
air spring
air stack
air station
air stone
air stove
air strainer
air stream
air strike
air support
air survey
air switch
air system
air taxi
air tee
air terminal
air thermometer
air thread
air traffic
air train
air transport
air trap
air travel
air trumpet
air trunk
air tube
air turbine
air twist
air umbrella
air university
air valve
air varie
air vent
air vesicle
air vice-marshall
air volcano
air volume
air war
air warden
air warfare
air washer
air waybill
air well
air wood
air zone
air-balloons
air-bind
air-blasted
air-blown
air-born
air-borne
air-bound
air-braked
air-braving
air-break switch
air-breathe
air-breathed
air-breather
air-breathing
air-bred
air-built
air-chambered
air-cheeked
air-clear
air-clutch reverse
air-condition
air-conditioned
air-conditioning
air-conscious
air-conveying
air-cool
air-cooled
air-core
air-core coil
air-cure
air-cured
air-cushion vehicle
air-defiling
air-drawn
air-dried
air-driven
air-dry
air-drying
air-earth current
air-embraced
air-express
air-faring
air-filled
air-floated
air-formed
air-hardened steel
air-hardening
air-hardening steel
air-heating
air-insulated
air-intake
airborne radioactivity
airborne rocket
airborne tactics
aircraft carrier
aircraft cloth
aircraft division
aircraft engine
aircraft engines
aircraft fabric
aircraft hydraulics
aircraft mechanic
aircraft observer
aircraft section
aircraft station
aircraft tender
airle-penny
airline hostess
airline stewardess
airline travel
airman basic
airman third class
airplane carrier
airplane cloth
airplane flare
airplane heading
airplane hijacker
airplane hijacking
airplane parts
airplane spin
airplane spotter
airport beacon
airport surveillance radar
airs and graces
airs of
airship parts
airship shed
airship station
airspeed indicator
airtight secrecy
airway beacon
airy hope
airy nothing
airy sign
airy texture
airy-fairy
aisle seat
aitch-bone
ajax the less
ajowan oil
akamushi mite
akinetic epilepsy
al Marsala
al burro
al dente
al fine
al fresco
al limone
al piacere
al segno
al-
al-Fustat
al-Lat
al-Mamoun
al-Sahih
al-Uzza
alamo vine
alang grass
alang-alang
alant camphor
alar starch
alar cartilages
alar ligaments
alar septum
alar thoracic artery
alarm bell
alarm bird
alarm clock
alarm fire
alarm gauge
alarm post
alarm reaction
alarm signal
alarm valve
alarm watch
alarums and excursions
alaska time
alaskan malamute
albatross around your neck
albatross cloth
albedo unguis
albert-type
albite law
album board
album paper
albumen plate
albumin color
albumin tannate
albumino-
albuminoid ammonia
alchim-
alchym-
alco-ometer
alco-ometric
alco-ometrical
alco-ometry
alcohol acid
alcohol engine
alcohol stove
alcohol tax
alcohol torch
alcoholic addict
alcoholic addiction
alcoholic beverage
alcoholic drink
alcoholic meningitis
alcoholic psychosis
alcool blanc
alcresta ipecac
aldehyde ammonia
aldehyde collidine
aldehyde group
aldehyde resin
alder blight
alder buckthorn
alder dogwood
alder fly
alder flycatcher
alder-
alder-leaved
alderman lizard
aldol condensation
ale brewer
ale brewing
ale drinker
ale drinking
ale feast
ale gallon
ale garland
ale glass
ale pitcher
ale seller
ale selling
ale stain
ale tun
ale vinegar
ale-blown
ale-born
ale-fed
ale-swilling
ale-washed
ale-wife
aleatory music
aleichem shalom
alekey trout
aleph-null
aleph-zero
alert for
aleurone grains
aleurone layer
alexander's foot
alfalfa butterfly
alfalfa caterpillar
alfalfa hopper
alfalfa looper
alfalfa meal
alfalfa valve
alfalfa weevil
alfresco meal
alg-
algae layer
algae zone
algal disease
algal fungus
algal-algal
algarroba bean
algebra of classes
algebra of relations
algebra of sets
algebraic conjugate
algebraic equation
algebraic extension
algebraic geometry
algebraic number
algebraic topology
algebraically closed field
algid cholera
algid fever
algin fiber
alginic acid
algo-
algorithmic language
ali-
alkali disease
alkali flat
alkali grass
alkali heath
alkali metal
alkali metals
alkali metaprotein
alkali mustard
alkali reserve
alkali rock
alkali soil
alkali waste
alkali weed
alkali yellow r
alkaline cell
alkaline earth
alkaline earth metal
alkaline earths
alkaline metal
alkaline reaction
alkaline tide
alkaline water
alkaline-ash diet
alkaline-earth metal
alkaline-earth metals
alkane series
alkene series
alkyd paint
alkyd resin
alkyl cyanide
alkyl group
alkyl halide
alkyl hydrosulphide
alkyl radical
alkyne series
all aboard
all about
all abroad
all agog
all agreeing
all alone
all along
all along the line
all and some
all and sundry
all animate nature
all aquiver
all around
all at once
all ataunto
all atingle
all awitter
all being
all bets off
all but
all by your lonesome
all clear
all comers
all creation
all depend
all ears
all engines
all engines ahead
all eyes
all eyes and ears
all fives
all flesh is grass
all fool's day
all fools' day
all for
all for one
all for the best
all fours
all get out
all get-out
all gone
all good go with you
all hail
all hands
all hollow
all hopped up about
all hot and bothered
all ills that men endure
all in
all in a dither over
all in all
all in good time
all in hand
all in the day's work
all in the mind
all in the wind
all included
all jaw
all joking apart
all joking aside
all kinds of
all nerves
all night
all of
all of a flutter
all of a heap
all of a sudden
all of a twitter
all off
all on
all on one side
all one
all out
all over
all over but the shouting
all over hell
all over the lot
all over the map
all over the place
all over the shop
all over the town
all over the world
all over with
all over yourself
all present and accounted for
all put together
all ready
all right
all right already
all round
all said and done
all saints
all saints' day
all serene
all set
all set for
all shook up
all sorts
all sorts of
all souls
all souls' day
all square
all squares
all standing
all straight
all tears
all that
all that is
all that is coming to one
all that lives
all the
all the best
all the better
all the better for
all the comforts of home
all the cry
all the day long
all the days of your life
all the heart can desire
all the ills that men endure
all the more
all the more so
all the rage
all the same
all the thing
all the time
all the way
all the way to
all the while
all the world
all the worse for
all the year round
all there
all things considered
all things counter
all threes
all through
all through the night
all thumbs
all to
all to pieces
all to the good
all together
all told
all two
all up
all up with
all wet
all who love
all wool and a yard wide
all work
all wound up in
all wrapped up in yourself
all wrong
all you can bear
all you can do
all you can manage
all you can stand
all you can take
all your born days
all your got
all your natural life
all’ ottava
all’s well
all-
all-American
all-a-mort
all-abhorred
all-able
all-absorbing
all-accomplished
all-acting
all-admired
all-admiring
all-advised
all-affecting
all-afflicting
all-aged
all-air
all-amazed
all-american
all-appaled
all-appointing
all-approved
all-approving
all-armed
all-around
all-arraigning
all-arranging
all-assistless
all-atoning
all-attempting
all-availing
all-bearing
all-beauteous
all-beautiful
all-beholding
all-bestowing
all-binding
all-bitter
all-black
all-blasting
all-blessing
all-bounteous
all-bountiful
all-bright
all-brilliant
all-changing
all-cheering
all-collected
all-colored
all-comfortless
all-commander
all-commanding
all-compelling
all-complying
all-composing
all-comprehending
all-comprehensive
all-comprehensiveness
all-concealing
all-conceiving
all-concerning
all-confounding
all-conquering
all-conscious
all-considering
all-constant
all-constraining
all-consuming
all-content
all-controlling
all-convincing
all-convincingly
all-covering
all-creating
all-creator
all-crop harvester
all-curing
all-daring
all-day
all-dazzling
all-deciding
all-defiance
all-defying
all-depending
all-designing
all-desired
all-despising
all-destroyer
all-destroying
all-devastating
all-devouring
all-dimming
all-directing
all-discerning
all-discovering
all-disgraced
all-dispensing
all-disposer
all-disposing
all-divine
all-divining
all-dreaded
all-dreadful
all-drowsy
all-earnest
all-eating
all-eflicacious
all-efficient
all-eloquent
all-embracing
all-embracingness
all-encompasser
all-encompassing
all-ending
all-enduring
all-engrossing
all-engulfing
all-enlightened
all-enlightening
all-angered
all-envied
all-essential
all-evil
all-excellent
all-expense
all-expenses-paid
all-eyed
all-fair
all-filling
all-fired
all-firedest
all-firedly
all-flaming
all-flotation
all-flower-water
all-flying tail
all-foreseeing
all-forgetful
all-forgetting
all-forgiving
all-forgotten
all-fullness
all-gas
all-giver
all-glorious
all-golden
all-governing
all-gracious
all-grasping
all-great
all-guiding
all-hallow
all-hallowed
all-happy
all-healing
all-hearing
all-heeding
all-helping
all-hiding
all-holy
all-honored
all-hoping
all-hurting
all-idolizing
all-illuminating
all-imitating
all-important
all-impressive
all-in
all-in-one
all-including
all-inclusive
all-inclusiveness
all-infolding
all-informing
all-interesting
all-interpreting
all-invading
all-involving
all-jarred
all-judging
all-just
all-justifying
all-kind
all-knavish
all-knowing
all-knowingness
all-land
all-lavish
all-licensed
all-lovely
all-loving
all-maintaining
all-maker
all-making
all-maturing
all-meaningness
all-merciful
all-metal
all-might
all-miscreative
all-murdering
all-night
all-night vigil
all-noble
all-nourishing
all-obedient
all-obeying
all-oblivious
all-obscuring
all-oil
all-or-none
all-or-none law
all-ordering
all-out
all-out campaign
all-out war
all-over
all-overish
all-overishness
all-overpowering
all-others
all-overtopping
all-panting
all-parent
all-pass
all-patient
all-peaceful
all-penetrating
all-peopled
all-perceptive
all-perfect
all-perfection
all-perfectness
all-perficient
all-persuasive
all-pervading
all-pervadingness
all-pervasive
all-pervasiveness
all-piercing
all-pitiless
all-pitying
all-pondering
all-possessed
all-potency
all-potent
all-potential
all-power
all-powerful
all-powerful ruler
all-powerfully
all-powerfulness
all-praised
all-praiseworthy
all-presence
all-present
all-prevailing
all-prevailingness
all-prevalency
all-prevalent
all-preventing
all-prolific
all-protecting
all-provident
all-providing
all-puissant
all-pure
all-purpose
all-quicken
all-rail
all-rapacious
all-reaching
all-red
all-redeeming
all-relieving
all-rending
all-righteous
all-round
all-round price
all-roundedness
all-rounder
all-rubber
all-ruling
all-sacred
all-sanctifying
all-satiating
all-satisfying
all-saving
all-sayer
all-sea
all-searching
all-seeing
all-seeingly
all-seeingness
all-seer
all-shaking
all-shamed
all-shaped
all-shrouding
all-shunned
all-sided
all-silent
all-sized
all-sliming
all-soothing
all sorts
all-soul
all-spread
all-star
all-stars
all-steel
all-strangling
all-subduing
all-submissive
all-substantial
all-sufficiency
all-sufficient
all-sufficiently
all-sufficing
all-surpassing
all-surrounding
all-surveying
all-sustainer
all-sustaining
all-swallowing
all-swaying
all-telling
all-terrible
all-thorny
all-time
all-time great
all-tolerating
all-transcending
all-triumphing
all-truth
all-turned
all-turning
all-understanding
all-unwilling
all-upholder
all-upholding
all-various
all-vast
all-watched
all-water
all-wave receiver
all-weak
all-weather
all-weather fighter
all-weight
all-whole
all-wisdom
all-wise
all-wisely
all-wiseness
all-wondrous
all-wood
all-wool
all-working
all-worshiped
all-worthy
all-wrongness
all-year
alla bolognese
alla breve
alla cacciatore
alla capella
alla diavola
alla fiorentina
alla marcia
alla marinara
alla milanese
alla Parmigiana
alla pizzaiola
alla prima
alla romana
alla siciliana
alla veneziana
alla vostra salute
allan hawk
allantoic membrane
allee couverte
allegation of facts
allege in support
allege in vindication
allegheny spurge
allemande sauce
aller sans dire
aller-retour
allergic disease
allergic disorder
allergic gastritis
allergic rhinitis
allergic shock
allergy diet
alley cat
alley-oop
allez-vous-en
allice shad
alligation alternate
alligation medial
alligator apple
alligator bonnets
alligator buttons
alligator cacao
alligator clip
alligator fish
alligator forceps
alligator gar
alligator head
alligator jaw
alligator juniper
alligator lizard
alligator pear
alligator pepper
alligator shear
alligator shears
alligator snapper
alligator snapping turtle
alligator squeezer
alligator terrapin
alligator tree
alligator turtle
alligator wampee
alligator weed
alligator wrench
alliterative meter
allo-
allo-octaploid
allow for
allow the occasion to go by
allow yourself to hope
allowance account
allowance race
allowed time
allowing that
alloy balance
alloy charge
alloy iron
alloy steel
alloyed junction
allspice oil
allspice tree
allude to
alluring gland
alluvial cone
alluvial fan
alluvial plain
allways fuze
ally-ally out'n free
allyl alcohol
allyl aldehyde
allyl caproate
allyl chloride
allyl group
allyl isothiocyanate
allyl mercaptan
allyl mustard oil
allyl radical
allyl resin
allyl sulfide
allyl sulphide
allyl thiocarbamide
alma mater
alma-materism
almain-rivets
almenn turma
almes se
almighty dollar
almond black
almond brown
almond cake
almond extract
almond eye
almond family
almond green
almond kernel
almond meal
almond milk
almond oil
almond paste
almond peach
almond tumbler
almond willow
almond-eyed
almond-furnace
almond-leaved
almond-leaved willow
almond-shaped
almoner's cupboard
almost entirely
almost everywhere
almost periodic function
almost unheard-of
alms bag
alms basin
alms basket
alms box
alms bread
alms chest
alms dish
alms fee
alms gate
alms land
alms penny
alms priest
alms purse
alms-dealing
alms-fed
alms-house
almucantar staff
aloe creole
aloe hemp
aloe lace
aloe malgache
aloe-emodin
aloes green
aloes wood
aloft there
along by
along in years
along of
along the side of
along the way
along these lines
along toward
along with
alongside of
aloof from
alopecia areata
alopecia celsi
alopecia circumscripta
alouchi resin
alow and aloft
alpha and omega
alpha brass
alpha decay
alpha iron
alpha particle
alpha privative
alpha pulse analyzer
alpha radiation
alpha radiator
alpha ray
alpha rhythm
alpha score
alpha test
alpha-amylase
alpha-beta brass
alpha-cellulose
alpha-eucaine
alpha-hypopamine
alpha-naphthol
alpha-naphthyl group
alpha-naphthyl radical
alpha-naphthylamine
alpha-naphthylthiourea
alpha-particle scattering
alpha-stannic acid
alpha-tocopherol
alpha-truxilline
alphabet book
alphabet code
alphabet method
alphabet plant
alphabet soup
alphabetic character
alphabetic data
alphabetic symbol
alphabetical printer
alphanumeric code
alpine anemone
alpine aster
alpine azalea
alpine bartsia
alpine beardtongue
alpine bent grass
alpine birch
alpine bistort
alpine brook saxifrage
alpine campion
alpine catchfly
alpine chough
alpine clover
alpine cress
alpine eyebright
alpine fir
alpine fireweed
alpine forget-me-not
alpine garden
alpine geranium
alpine glacier
alpine goldenrod
alpine hemlock
alpine holy grass
alpine lady fern
alpine larch
alpine lousewort
alpine molewort
alpine oat grass
alpine poppy
alpine rice grass
alpine rock cress
alpine rose
alpine sedge
alpine spring beauty
alpine spruce
alpine strawberry
alpine tundra
alpine umbrella plant
alpine whitebark pine
alpine whorl grass
alpine woodsia
alps on alps
already in sight
alsike clover
also not
also-ran
alta vox
altar board
altar boy
altar bread
altar call
altar card
altar carpet
altar chime
altar cloth
altar desk
altar dues
altar facing
altar front
altar hearse
altar mound
altar of prothesis
altar of repose
altar plate
altar rail
altar side
altar slab
altar stair
altar stand
altar stead
altar stole
altar stone
altar tomb
altar wine
altazimuth mounting
alter ego
alter idem
alter into
alter your course
altered chord
alternate angles
alternate choice
alternate plumage
alternate school
alternate straight
alternate-leaved
alternating current
alternating current motor
alternating group
alternating light
alternating personality
alternating series
alternating voltage
alternating-current circuit
alternating-current servo
alternating-gradient focusing
alternation of generations
alternative school
alternative vote
alterni-
alti-
alti-rilievi
altitude dial
altitude mixture control
altitude of flight
altitude peak
altitude pressure
altitude sickness
alto clarinet
alto clef
alto flute
alto horn
alto saxhorn
alto viol
alto-
alto-cumulus
alto-cumulus-castellatus
alto-relievo
alto-relieves
alto-rilievo
alto-stratus
altocumulus castellanus
altocumulus castellatus
altocumulus floccus
altocumulus lenticularis
altocumulus stratiformis
altogether, the
altruistic ethics
aluchi resin
aludel furnace
alum cake
alum carmine
alum cochineal
alum flower
alum glass
alum haematoxylin
alum meal
alum rock
alum schist
alum shale
alum stone
alum-hypo toning process
alumina cement
alumina cream
alumina trihydrate
aluminio-
aluminium hydroxide
aluminium oxide
aluminium sulphate
alumino-
aluminous cake
aluminum acetate
aluminum ammonium sulfate
aluminum borate
aluminum borohydride
aluminum brass
aluminum bronze
aluminum carbide
aluminum chloride
aluminum family
aluminum fluosilicate
aluminum foil
aluminum gold
aluminum hydrate
aluminum hydroxide
aluminum monostearate
aluminum nitrate
aluminum oxide
aluminum paint
aluminum potassium sulfate
aluminum silicate
aluminum sulfate
aluminum sulphate
alun-alun
alva marina
alveolar arch
alveolar process
alveolar ridge
alveo-
alveololabial sulci
alveololingual sulci
always and everywhere
always trot out
alyce clover
amalgam arc
amalgam gilding
amalgamation process
amande amere
amande douce
amande pralinee
amber-yielding
ambi-
ambient phenomena
ambient temperature
ambiguous expression
ambil-anak
ambit piousness
ambitious for self
ambivalence of impulse
ambretta seed
ambrette seed
ambrette-seed oil
ambrosia beetle
ambs-ace
ambulacral foot
ambulance chaser
ambulance chasing
ambulatory plague
ambuling communion
ambush bug
ame damnee
amebic dysentery
amen corner
amende honorable
amende profitable
amende-honorable
amendes honorables
american chameleon
american cheese
american cowslip
american english
american indian
american ivy
american plan
american revised version
american sable
american saddle horse
american standard version
american trotter
americo-
ames-ace
amethyst cutter
amethyst violet
amiable weakness
amicable number
amicus curiae
amicus curiae
amicus humani generis
amicus usque ad aras
amid the blaze of noon
amid-
amide powder
amido-
amido-urea
amidonaphthol red
amin-
amino acid
amino acids
amino azobenzene
amino group
amino nitrogen
amino radical
amino resin
amino-
amino-oxypurin
aminoacetic acid
aminobenzoic acid
aminoquin napthoate
aminosuccinic acid
ammo dump
ammo-
ammonia alum
ammonia condenser
ammonia gelatin
ammonia liquor
ammonia meter
ammonia nitrogen
ammonia process
ammonia soda
ammonia soda ash
ammonia soda process
ammonia solution
ammonia turpeth
ammonia valve
ammonia water
ammoniac plant
ammoniacal liquor
ammoniac-
ammonio-
ammonioferric oxalate
ammonium acetate
ammonium alum
ammonium amalgam
ammonium base
ammonium bicarbonate
ammonium bifluoride
ammonium binoxalate
ammonium bromide
ammonium carbamate
ammonium carbonate
ammonium chloride
ammonium chrome alum
ammonium chromic sulfate
ammonium cyanate
ammonium hydrosulphide
ammonium hydroxide
ammonium lactate
ammonium molybdate
ammonium nitrate
ammonium oxalate
ammonium persulphate
ammonium phosphate
ammonium purpurate
ammonium salt
ammonium selenate
ammonium stearate
ammonium sulfate
ammonium sulphate
ammonium sulphide
ammonium thiocyanate
ammonium thiosulfate
ammono acid
ammono base
ammono salt
ammunition box
ammunition bread
ammunition chest
ammunition depot
ammunition hoist
ammunition legs
ammunition scuttle
ammunition ship
ammunition shoes
amnesic aphasia
amnestic aphasia
amniotic fluid
amniotic sac
amobarbital sodium
amoeba disease
amoeban verse
amoebic dysentery
among other things
among the blest
among the living
among us
amor patriae
amorous dalliance
amorous looks
amorous pursuit
amorpho-
amorphous ergotinine
amorphous phosphorus
amount at risk
amount due
amount limit
amount of money
amount of stock
amount to
amount to something
amour propre
amour-propre
amparo blue
amparo purple
ampere arc
ampere balance
ampere turn
ampere-foot
ampere-hour
ampere-hour meter
ampere-minute
ampere-second
ampere-turn
amperometric titration
amphetamine sulfate
amphetamine sulphate
amphetamine withdrawal symptoms
amphi-
amphibian tractor
amphibian transport
amphibious attack
amphibious operations
amphibious warfare
amphibole group
ample scope
ample sufficiency
amplification factor
amplifier chain
amplifier circuit
amplifying circuit
amplifying generator
amplitude compass
amplitude control
amplitude factor
amplitude modulation
amply endowed
ampullar sense
ampus-and
amrad gum
amuse yourself
amusement arcade
amusement device
amusement park
amusement ride
amusement tax
amygdalic acid
amygdalo-uvular
amygdaloid nucleus
amygdonitrile glucoside
amyl acetate
amyl alcohol
amyl ether
amyl group
amyl isovalerate
amyl nitrite
amyl oxide
amyl propionate
amyl radical
amyl salicylate
amyl sulfide
amyl-
amyl-acetate lamp
amylacetic ether
amyylene hydrate
amylo-
amyloid degeneration
amyllum body
amyllum center
amyllum grain
amyllum star
amyotrophic lateral sclerosis
amyris oil
an O without a figure
an arm and a leg
an arrant
an average
an awfully big adventure
an ear for
an eater of broken meats
an echo of the invisible world
an emblem
an epidemic insanity
an error
an eternity
an existence
an eye for
an eye for an eye
an in
an incurable disease
an inhabiting
an instant arrested in eternity
an intelligence served by organs
an itch for the praise of fools
an old dog at
an old hand at
an uncertainty
an unfathomable Somewhat
an unhappy crossbreed
an universal wolf
an-
an-end
ana-
anabolic steroid
anacardium nut
anaconda gourd
anadama bread
anaerobic bacteria
anaerobic organism
anak kuching
anal canal
anal character
anal fin
anal intercourse
anal sex
anal vein
analcite basalt
analog computer
analog feedback control
analog process
analog-digital converter
analogue computer
analogy test
analysis of variance
analysis situs
analytic continuation
analytic faculty
analytic geometry
analytic philosopher
analytic philosophy
analytic power
analytic psychology
analytical balance
analytical chemistry
analytical control unit
analytical cubism
analytical cubist
analytical geometry
analytical mechanics
analytical psychology
analytical spectrometer
analytico-architectural
analyze your motives
analyzed rhyme
anamite yeast
anamorphic lens
ananas oil
anaphylactic antibody
anaphylactic shock
anarcho-syndicalism
anarcho-syndicalist
anastomotic operation
anathema maranatha
anatomic diagnosis
anatomic medicine
anatomical pathology
anatomical snuffbox
anatomico-ance errand
ancestor worship
ancestral halls
ancestral spirits
anchieta bark
anchor ball
anchor bar
anchor bed
anchor bell
anchor bend
anchor bolt
anchor box
anchor buoy
anchor chain
anchor chock
anchor dart
anchor deck
anchor drag
anchor escapement
anchor hold
anchor hoy
anchor ice
anchor knot
anchor lift
anchor light
anchor lining
anchor link
anchor log
anchor man
anchor money
anchor nurse
anchor plant
anchor plate
anchor pocket
anchor ring
anchor rocket
anchor rod
anchor rode
anchor shackle
anchor shot
anchor space
anchor span
anchor tee
anchor watch
anchor watchman
anchor well
anchor-shaped
anchorage ground
anchorite monasticism
anchoritic monasticism
anchors aweigh
anchovy pear
ancien regime
ancien rgime
ancienne noblesse
ancient history
ancient language
ancient literature
ancient manuscript
ancient times
ancient wisdom
and Cultural Organization
and God knows what
and Harry
and Holy Ghost
and I don't know what
and Ireland
and Robinson
and Slovenes
and Welfare
and a light unto my path
and a pull all together
and all
and all like that
and all that
and all that sort of thing
and also
and an eminently contagious one
and ancient as the sun
and arithmetic
and barrel
and be merry
and blue
and bobtail
and built by hands divine
and candle
and circuit
and circumstance
and collected
and crack your cheeks
and delivered
and dissolve itself
and everything else
and everywhere
and fish
and flesh of my flesh
and handsome
and happy
and hates them for it
and heaven knows what
and jump
and keep your powder dry
and listen
and making it five
and many more
and more of the same
and night
and no mistake
and not
and nothing but the truth
and of Night
and off the hinges
and other things
and others
and pence
and pine
and portents and evils imminent
and pursue it
and quarter
and quit yourselves like men
and running over
and shaken together
and sinker
and so
and so forth
and so on
and strengt
and stuff like that
and suchlike
and tell them
and the blind
and the fish of the sea
and the following
and the like
and the post
and the pursuit of happiness
and the queen of sleep
and the rest
and the seeing of blind
and the waste of life
and then some
and unprofitable
and weep with them that weep
and what have you
and what not
and-
anda oil
anda-assu
anda-assu oil
andante moderato
andante tempo
andr-
andro-
androgenital syndrome
anem-
anemia lymphatica
anemo-
anemone camphor
anemone fish
anemone-flowered dahlia
aneroid barograph
aneroid barometer
aneroid capsule
anesthetic ether
ang-khak
angel bed
angel cake
angel fish
angel food
angel food cake
angel gold
angel light
angel of death
angel of light
angel of love
angel red
angel shark
angel shot
angel sleeve
angel tree
angel water
angel's footstool
angel's tears
angel's-trumpet
angel-borne
angel-bright
angel-builted
angel-eyed
angel-faced
angel-guarded
angel-heralded
angel-noble
angel-seeming
angel.warned
angelic host
angelica tree
angelica-root
angelin seeds
angels' tears
angels-on-horseback
angi-
angico gum
angina pectoris
angio-
angioneurotic edema
angle away
angle bar
angle bead
angle beam
angle board
angle brace
angle bracket
angle brackets
angle brick
angle bulb
angle capital
angle chair
angle cleat
angle clip
angle collar
angle for
angle gear
angle iron
angle measurement
angle meter
angle of attack
angle of bank
angle of climb
angle of dead rise
angle of deviation
angle of dip
angle of heel
angle of incidence
angle of lag
angle of lead
angle of pitch
angle of polarization
angle of reflection
angle of refraction
angle of repose
angle of roll
angle of sideslip
angle of stabilizer setting
angle of view
angle of vision
angle of wing setting
angle of yaw
angle off
angle plate
angle rafter
angle reflector
angle rib
angle set
angle shaft
angle shear
angle staff
angle steel
angle tie
angle with a silver hook
angle-off
angle-rack tool
angled draft
angled-toothed
angler fish
anglo-
anglo-catholic
anglo-french
anglo-indian
anglo-norman
anglo-saxon
angora cat
angora goat
angora rabbit
angostura bark
angostura bitters
angry clouds
angry look
angry young man
angry young woman
angry-eyed
angry-looking
angstrom unit
angstrom unit Angstrom
angular acceleration
angular data
angular dispersion
angular displacement
angular frequency
angular geometric
angular geometric figures
angular leaf spot
angular magnification
angular momentum
angular momentum quantum number
angular motion
angular perspective
angular velocity
angular-toothed
angular-winged katydid
angulated sail
angulato-
angulo-
anguloso-
angusti-
anhalonium alkaloid
anharmonic ratio
anhydro base
anhydro-
anidian monster
aniline black
aniline blue
aniline dye
aniline hydrochloride
aniline oil
aniline purple
aniline salt
aniline yellow
anima aloes
anima bruta
anima humana
anima mundi
animadvert on
animadvert upon
animal abode
animal and vegetable kingdom
animal black
animal capable of reason
animal carver
animal cell
animal cellulose
animal charcoal
animal charge
animal color
animal comfort
animal cracker
animal culture
animal cunning
animal disease
animal diseases
animal dyestuff
animal electricity
animal enclosure
animal faith
animal fiber
animal flower
animal force
animal handler
animal heat
animal husbandman
animal husbandry
animal hypnosis
animal kingdom
animal life
animal like types
animal magnetism
animal mechanics
animal mound
animal nature
animal noise
animal oat
animal oil
animal oils
animal physiologist
animal physiology
animal pleasure
animal pole
animal psychology
animal raiser
animal raising
animal rearing
animal rouge
animal science
animal scientist
animal size
animal soul
animal sound
animal spirit
animal spirits
animal starch
animal stuffer
animal stuffing
animal unit
animal worship
animal worshiper
animal young
animal-sized
animate existence
animate matter
animated cartoon
animated oat
animating force
animating power
animating principle
animating spirit
animation photography
animis opibusque parati
animistic spirit
animus cancellandi
animus capiendi
animus derelinquendi
animus furandi
animus injuriandi
animus lucrandi
animus manendi
animus possidendi
animus recipiendi
animus remanendi
animus revertendi
animus revocandi
animus testandi
anionic detergent
anis-
anise camphor
anise hyssop
anise oil
anise plant
anise-scented goldenrod
aniseed fox
aniseed oil
aniseed star
aniseed tree
anisic alcohol
anisic aldehyde
aniso-
anisyl acetate
anisyl alcohol
ankle boot
ankle clonus
ankle cutter
ankle jerk
ankle ring
ankle sock
ankle strap
ankle tie
ankle-deep
ankle-jacketed
annatto tree
anni mirabiles
annihilation radiation
anno Domini
anno Hejirae
anno aetatis suae
anno domini
anno hegirae
anno mundi
anno regni
anno urbis conditae
annotated bibliography
announce with beat of drum
announced motive
annual bibliography
annual bluegrass
annual epact
annual holiday
annual parallax
annual percentage rate
annual period
annual ring
annual wage
annuit coeptis
annuities certain
annuity bond
annuity certain
annuity gift
annul a marriage
annular clock
annular eclipse
annular ligament
annular muscle
annunciator system
annus magnus
annus mirabilis
anoanode dark space
anode glow
anode ray
anode rays
anode resistance
anodized aluminum
anodyne necklace
anointed king
anomalistic month
anomalistic year
anomaloanomalous zeeman effect
anomoanorexia nervosa
anorthite-basalt
another crack
another go
another kettle of fish
another shot
another time
another try
another-gates
another-guess
another-guise
anoxic anoxia
anpansa hypoglossi

Open Source Used In CSPC_Collector 2.9.1 19155


ansa subclavia
ansa cross
anserine skin
answer back
answer book
answer conclusively
answer for
answer the call of duty
answer the helm
answer the purpose
answer to
answer to a problem
answer to no man
answer-back
answerable for
answerable to
answering pennant
answering service
ant acacia
ant bear
ant bird
ant catcher
ant cattle
ant cow
ant egg
ant fly
ant heap
ant hill
ant hillock
ant king
ant lion
ant pipit
ant plant
ant rice
ant shrike
ant thrush
ant tree
ant worm
ant wren
ant-
ant-eater
ant-pipit
ant-thrush
antarctic beech
antarctic circle
antarctic circumpolar current
ante Christum
ante bellum
ante meridiem
ante mortem
ante partum
ante up
ante-
ante-Christum
ante-Nicaean
ante-Nicene
ante-Nicene Fathers
ante-acted
ante-ambulo
ante-bellum
ante-chapel
ante-ecclesiastical
ante-eternity
ante-mortem
ante-mortem clot
ante-orbital
ante-partum
ante-room
ante-temple
antecedent right
antecedent used in
antediluvian patriarch
antelope brush
antelope chipmunk
antelope squirrel
antenna array
antenna circuit
antenna filter
antenna grounding switch
antenna inductance
antenna mine
antenna resistance
antenna switch
antenna tower
antennae sword
antennal gland
antennal lobe
antenupial contract
antenupial settlement
anterior pituitary
anterior pituitary luteotropin
anterior tooth
antero-
anterograde amnesia
anterograde memory
anth-
anthelic arcs
anther cell
anther lobe
anther sac
anther smut
anth-
anthra-
anthracene brown
anthracene oil
anthracene yellow
anthracite black
anthracite coal
anthraquinone dye
anthrax vaccine
anthrop-
anthropo-
anthropoid ape
anti-
anti-American
anti-Arab
anti-Aristotelian
anti-Aristotelianism
anti-Australian
anti-Austria
anti-Austrian
anti-Bible
anti-Biblical
anti-Biblically
anti-Bolshevik
anti-Bolshevism
anti-Bolshevist
anti-Bolshevistic
anti-British
anti-Calvinism
anti-Calvinist
anti-Calvinistic
anti-Calvinistical
anti-Catholic
anti-Catholicism
anti-Darwin
anti-Darwinian
anti-Darwinism
anti-Darwinist
anti-English
anti-Europe
anti-European
anti-Europeanism
anti-France
anti-French
anti-Freud
anti-Freudian
anti-Freudianism
anti-G suit
anti-German
anti-Germanic
anti-Germanism
anti-Germanization
anti-Greece
anti-Greek
anti-Irish
anti-Italian
anti-Italianism
anti-Japanese
anti-Jesuit
anti-Jesuitic
anti-Jesuitical
anti-Jesuitically
anti-Jesuitism
anti-Jesuitry
anti-Jewish
anti-Judaic
anti-Judaism
anti-Judaist
anti-Judaistic
anti-Latin
anti-Latinism
anti-Malthusian
anti-Malthusianism
anti-Mexican
anti-Negro
anti-Negroes
anti-Negroism
anti-Nordic
anti-Oriental
anti-Orientalism
anti-Orientalist
anti-Plato
anti-Platonic
anti-Platonically
anti-Platonism
anti-Platonist
anti-Polish
anti-Populist
anti-Protestant
anti-Protestantism
anti-Puritan
anti-Puritanism
anti-Roman
anti-Romanist
anti-Russia
anti-Russian
anti-Scandinavia
anti-Scripture
anti-Scripturist
anti-Semite
anti-Semitic
anti-Semitism
anti-Serb
anti-Slav
anti-Slavic
anti-Socrates
anti-Socratic
anti-Soviet
anti-Spain
anti-Spanish
anti-Sweden
anti-Swedish
anti-Teuton
anti-Teutonic
anti-Trinitarian
anti-Trinitarianism
anti-Turkish
anti-Zionism
anti-Zionist
anti-acid
anti-aircraft
anti-attrition
anti-birmingham
anti-christian
anti-depressant
anti-emetic
anti-ethmc
anti-federalist
anti-gallic
anti-gallican
anti-gallican hitch
anti-gallicanism
anti-god
anti-guggler
anti-hero
anti-heroic
anti-hog-cholera
anti-icer
anti-icteric
anti-idealism
anti-idealist
anti-idealistic
anti-idealistically
anti-idolatrous
anti-immigration
anti-immigrationist
anti-immune
anti-imperialism
anti-imperialist
anti-imperialistic
anti-incruster
anti-indemnity
anti-induction
anti-inductive
anti-inductively
anti-inductiveness
anti-infalibilist
anti-infantil
anti-innovationist
anti-intellectual
anti-intellectualism
anti-intellectualist
anti-intellectuality
anti-intermediary
anti-isolation
anti-isolationism
anti-isolationist
anti-isolysin
anti-jacobin
anti-jacobinism
anti-laissez-faire
anti-leaguer
anti-lecomption
anti-lecomptom
anti-maniacal
anti-mony-yellow
anti-nebraska
anti-nicaean
anti-novel
anti-novelist
anti-odontalgic
anti-open-shop
anti-orgastic
anti-over
anti-pre-existentiary
anti-roman
anti-semite
anti-sub rocket
anti-submarine rocket
anti-trade
anti-worlds
antiaircraft artillery
antiaircraft barrage
antiaircraft fire
antiaircraft gun
antiaircraft gun positioner
antiaircraft radar
antiaircraft rocket
antiballistic missile
antiballistic-missile system
antiberi-beri factor
antiblackout suit
antiblastic immunity
antic wit
anticipate a blessed event
anticipating a blessed event
anticrepuscular arch
antidote cacon
antidote lily
antidrag wire
antifouling paint
antifriction bearing
antifriction curve
antifriction metal
antifriction wheels
antigen treatment
antigen-antibody product
antilift wire
antimine rocket
antimissile missile
antimonic acid
antimonioso-
antimonous hydride
antimony blende
antimony bloom
antimony chloride
antimony cinnabar
antimony crocus
antimony crude
antimony glance
antimony glass
antimony hydride
antimony ocher
antimony orange
antimony oxide
antimony oxychloride
antimony pentachloride
antimony pentasulfide
antimony pentasulphide
antimony pentoxide
antimony potassium tartrate
antimony red
antimony regulus
antimony rubber
antimony saffron
antimony salt
antimony sulfate
antimony sulfide
antimony sulphide
antimony tetroxide
antimony trichloride
antimony trifluoride
antimony trioxide
antimony trisulfide
antimony trisulphide
antimony vermilion
antimony white
antimony yellow
antimonyl potassium tartrate
antinoise microphone
antiophthalmic factor
antiophthalmic vitamin
antipernicious anemia factor
antipersonnel bomb
antipersonnel mine
antiphonal chanting
antiphonal singing
antipodal points
antiquated expression
antiquated person
antiquated word
antique brass
antique bronze
antique brown
antique cloth
antique collector
antique crown
antique dealer
antique drab
antique glass
antique gold
antique green
antique plane
antique red
antique store
antique-car collector
antiradar rocket
antiseptic surgery
antisocial attitudes
antisocial personality
antisocial sentiments
antisterility factor
antisubmarine bomb
antisubmarine mortar
antisubmarine patrol
antisubmarine plane
antisubmarine projector
antisubmarine radar
antisymmetrical tensor
antitank gun
antitank mine
antitank rifle
antitank rocket
antitorque rotor
antitoxic globulin
antitoxic serum
antitwilight arch
antixerophthalmic vitamin
antler moth
antlion fly
ants in your pants
antsy-pantsy
anvil block
anvil chisel
anvil cloud
anvil cupper
anvil cutter
anvil dross
anvil forger
anvil maker
anvil top
anvil vise
anvil-drilling
anvil-faced
anvil-facing
anvil-headed
anxiety equivalent
anxiety hysteria
anxiety neurosis
anxiety reaction
anxiety state
anxious bench
anxious concern
anxious for
anxious seat
anxioused up
any Tom
any color
any day
any he
any hour
any minute
any moment
any more
any old way
any one
any road
any time
any time now
any which way
any-kyn
anything but
anything like
anything soever which
anywhere near
ao dai
aoi tsuba
aortic arch
aortic incompetence
aortic insufficiency
aortic stenosis
aortic valve
ap proving
ap-
apache dance
apar-
apart from
apartment building
apartment hotel
apartment house
ape about
ape fissure
ape hand
ape man
ape over
ape-headed
ape-man
ape-men
apel-
aperiodic discharge
aperture card
aperture ratio
aperture stop
aperture vignette
apet-
apex beat
apex rule
aph-
aphid lion
aphid rosette
aphid-lion
aphis fly
aphis foot
aphis lion
aphis wolf
aphis-lion
aphlogistic lamp
aphthous fever
aphthous stomatitis
apical meristem
apico-alveolar
apico-dental
aplastic anemia
apo-
apocha trium annorum
apocrine gland
apologize for
apoplectic stroke
aposematic mimicry
apostle bird
apostle jug
apostle spoon
apostles' creed
apostolic age
apostolic brief
apostolic church
apostolic delegate
apostolic faith
apostolic father
apostolic orders
apostolic succession
apostolic vicar
apothecaries' measure
apothecaries' weight
apothecary jar
apothecary's shop
appalachian tea
apparatus belli
apparatus criticus
apparent candlepower
apparent character
apparent destiny
apparent fate
apparent heir
apparent horizon
apparent magnitude
apparent soundness
apparent time
apparent wind
apparently sound
appeal motion
appeal to
appeal to a higher court
appeal to arms
appeal to the country
appeal to the law
appeal to the sword
appeal to you for
appeal to your better feelings
appear for
appear in print
appear like
appear on the horizon
appear on the scene
appear on the stage
appear to be
appear to your eyes
appear unexpectedly
appearance money
appearances are in favor of
appellate court
appellate division
appellate jurisdiction
appendico-enterostomy
appendicular skeleton
appendix vermiformis
apperception mass
apperception test
appertain to
appetizing store
appian way
applaud to the very echo
apple anthracnose
apple aphid
apple banana
apple bee
apple blight
apple blossom
apple blotch
apple box
apple brandy
apple bucculatrix
apple butter
apple canker
apple cheese
apple curculio
apple dumpling
apple essence
apple family
apple fly
apple fritter
apple geranium
apple grain aphid
apple green
apple grunt
apple gum
apple haw
apple juice
apple knocker
apple leaf
apple maggot
apple mildew
apple mint
apple moss
apple moth
apple of discord
apple of your eye
apple oil
apple pandowdy
apple pie
apple polisher
apple pox
apple psylla
apple rosette
apple rust
apple sauce
apple scab
apple scald
apple scale
apple shell
apple slump
apple snail
apple sucker
apple tart
apple toddy
apple tree
apple tree borer
apple turnover
apple weevil
apple wine
apple worm
apple-cheeked
apple-eating
apple-faced
apple-fallow
apple-john
apple-pie
apple-pie bed
apple-pie order
apple-polish
apple-polisher
apple-polishing
apple-scented
apple-shaped
apple-stealing
apple-twig
apple-twig beetle
apple-twig borer
applejack brandy
apples and pears
apleton layer
appletree borer
applicate number
application for retrial
application lace
applied chemistry
applied kinematics
applied linguistics
applied mathematics
applied mechanics
applied physics
applied psychology
applied science
applied tactics
applique lace
apply for
apply margin
apply paint
apply pressure
apply reason
apply the attention to
apply the match to
apply the mind
apply the mind to
apply the torch to
apply the yardstick to
apply to
apply yourself
apply yourself to
applying color
appoint yourself
appointed lot
appointment calendar
appointment schedule
apportionment bill
apposition beach
appositive genitive
appraisal clause
appreciate differences
appreciation bond
appreciation of differences
appreciation of excellence
appreciative of
apprentice printer
apprentice seaman
apprentice teacher
apprentice work
apprentice yourself to
apprised of
approach anchorage
approach leg
approach light
approach of time
approach path
approach shot
approach trench
appropriate for
appropriate to
appropriation bill
approval book
approval sheet
approve of
approved school
apricot brandy
apricot palm
apricot plum
apricot scale
aqueduct of Sylvius
aqueo-
aqueous ammonia
aqueous humor
aqueous humour
aquiline-nosed
aquo-ion
ar-
arabian coffee
arabic numeral
arabica coffee
arable land
arachidic acid
arachis oil
arachnoid granulation
arachnoid membrane
arba kanfoth
arbiter elegantiae
arbiter elegantiarum
arbiter of fashion
arbiter of taste
arbitrament of the sword
arbitrated par
arbitration bar
arbitration treaty
arbor day
arbor press
arbor shaft
arbor vine
arbor vitae
arborization block
arborvitae leaf miner
arc column
arc cosecant
arc cosine
arc cotangent
arc discharge
arc flame
arc furnace
arc generator
arc lamp
arc light
arc lighting
arc pitch
arc process
arc secant
arc sine
arc spectrum
arc tangent
arc transmitter
arc weld
arc welder
arc welding
arc-back
arc-boutant
arc-jet engine
arc-over
arc-shaped
arcane meaning
arcanum arcanorum
arch aurora
arch bar
arch barrel
arch beam
arch board
arch brace
arch brick
arch bridge
arch buttress
arch dam
arch head
arch order
arch over
arch press
arch ring
arch solid
arch spring
arch stone
arch support
arch-
arch-brahman
arch-butler
arch-buttress
arch-chanter
arch-christendom
arch-christianity
arch-enemy
arch-fiend
arch-flamen
arch-foe
arch-gravity dam
arch-heretic
arch-poet
arch-prelate
arch-presbyter
arch-protestant
arch-sea
arch-traitor
arch-villain
arch-whig
archae-
archaeo-
archaic smile
archaic white race
arched roof
arched truss
archepiscopal cross
archery ground
arches-court
archetypal idea
archetypal image
archetypal myth
archetypal pattern
archetypal symbol
archetypal world
archi-
archiepiscopal cross
archil extract
archil liquor
archimedes' screw
archippus butterfly
architect's table
architectural bronze
architectural capitals
architectural draftsman
architectural engineer
architectural ornamentation
architectural ornamentations
architectural sculpture
architectural topping
architectural toppings
architecture styles
arcing contact
arcing jaws
arcs-boutants
arctic char
arctic circle
arctic fox
arctic rescue helicopter
arctic sea smoke
arctic seal
arctic smoke
arctic tern
arctic timothy
arctico-altaic
arcus senilis
arcwise connected set
ardent friend
ardent friendship
ardent imagination
ardent spirits
ardor urinae
area bombing
area code
area gate
area graph
area measure
area measures
area opaca
area pellucida
area rule
area sneak
area study
area vasculosa
area vector
area vitellina
area wall
area-moment method
areal linguistics
areca catechu
areca nut
areca palm
arena theater
arena theatre
arenaceo-
arenoso-
areo-
areolate mildew
argan oil
argan tree
argemone oil
argent-vive
argentella lace
argentine thistle
argento-
argento-cuprous sulfide
argillaceo-
argillo-
arginine phosphagen
argle-bargie
argle-bargle
argon lamp
arise and go to
arise from
arising from
aristo-
aristocratic disdain
aristocratic presumption
arithmetic mean
arithmetic progression
arithmetic series
arithmetical progression
arithmetical proportion
arithmetico-geometric
arithmetico-geometrical
arithmo-
arjun wax
ark shell
arkwright furniture
arle penny
arles penny
arm band
arm board
arm coil
arm garter
arm gear
arm guard
arm in arm
arm of the law
arm of the sea
arm of the service
arm stake
arm viol
arm wrestling
arm-chair
arm-great
arm-headed
arm-hole
arm-in-arm
arm-linked
arm-shaped
armadillo shell
armature assembler
armature bander
armature binder
armature reaction
armature winder
armature winding
armchair authority
armchair philosopher
armed and ready
armed assault
armed at all points
armed bullhead
armed cap-a-pie
armed combat
armed conflict
armed force
armed forces
armed guard
armed neutrality
armed robbery
armed service
armed to the teeth
armed with patience
armes parlantes
armillary sphere
arming cap
arming chest
arming doublet
armistice day
armless chair
armor belt
armor grating
armor plate
armor plating
armor-bearer
armor-clad
armor-piercing
armor-plate
armor-plated
armored cable
armored car
armored combat
armored corps
armored cruiser
armored dinosaur
armored forces
armored heart
armored scale
armored tactics
armored vessel
armorial bearings
armour plate
armour-bearer
armour-clad
armour-piercing
armour-plate
armoured car
armoured troops
arms of Morpheus
arms race
army ant
army area
army brat
army brown
army corps
army cutworm
army engineer
army engineering
army group
army nurse corps
army of occupation
army reserves
army service corps
army troops
army worm
arnica bud
aroint thee
aromatic compound
aromatic gum
aromatic spirits of ammonia
aromatic water
aromatized wine
around the bush
around the clock
around-the-clock
arouse notice
arouse the memory
arouse your enthusiasm
arouse your passion
arrange a match
arrange evidence
arrange for
arrange in layers
arrange in levels
arrange in strata
arrange in tiers
arrange itself
arrange matters
arrange your ideas
arrange your thoughts
arrant coward
arras-wise
arrear-guard
arrear-ward
arrest attention
arrest of judgment
arrest the thoughts
arrest your notice
arrested development
arresting gear
arrester hook
arriere fee
arriere tenant
arriere vassal
arriere-ban
arriere-pensee
arris fillet
arris gutter
arris piece
arris rail
arrive at
arrive at a conclusion
arrive at an agreement
arrive in
arrive upon
arrogate to yourself
arrow aimed at your heart
arrow arum
arrow cane
arrow for
arrow grass
arrow horn
arrow maker
arrow making
arrow mehl
arrow release
arrow rest
arrow shot
arrow snake
arrow stave
arrow straightener
arrow-back
arrow-back chair
arrow-bearing
arrow-grass
arrow-grass family
arrow-head
arrow-leaved
arrow-root
arrow-shaped
arrow-smitten
arrow-toothed
arrow-wood
arrow-wounded
arrowroot family
arroyo grape
arroyo willow
arroz con pollo
ars est celare artem
ars gratia artis
ars longa vita brevis
ars nova
ars poetica
arse licker
arsenic acid
arsenic antidote
arsenic bloom
arsenic calciner
arsenic disulfide
arsenic eater
arsenic eating
arsenic glass
arsenic green
arsenic mirror
arsenic mold
arsenic monosulfide
arsenic orange
arsenic refiner
arsenic smelter
arsenic trichloride
arsenic trioxide
arsenic yellow
arsenic-
arsenical babbitt
arsenical pyrite
arsenio-
arsenious acid
arsenious oxide
arseniuretted hydrogen
arseno group
arseno radical
arseno-
arsonous acid
arsenous anhydride
arsenous oxide
arsha rite
arsino group
arsino radical
arson investigator
arsy-varsiness
arsy-varsy
arsy-versy
art autre
art brown
art brut
art center
art column
art composition
art critic
art criticism
art dealer
art deco
art department
art design
art director
art editor
art equipment
art exhibition
art expression
art film
art form
art gallery
art glass
art gray
art green
art guild
art league
art lining
art manual
art museum
art music
art nouveau
art object
art of public speaking
art of reason
art of war
art paper
art period
art school
art schools
art shade
art song
art square
art student
art styles
art supervisor
art teacher
art theater
art union
art work
art-colored
art-conscious
art-like
art-minded
artemisia green
arteri-
arterial aneurism
arterial blood
arterial highway
arterial street
arterial transfusion
arterial varix
arterio-
arteriosclerotic psychosis
artery forceps
artesian borer
artesian well
artful dodge
artful endearments
arthr-
arthritis deformans
arthritis fungosa
arthritis pauperum
arthro-
artichoke bottom
artichoke green
article of commerce
article of faith
article of merchandise
article of virtu
article writer
articled clerk
articles of association
articles of faith
articles of religion
articulated locomotive
articulated lorry
articulatory phonetics
artificer branch
artificial aids
artificial antenna
artificial blond
artificial dye
artificial feedback kidney
artificial feel
artificial fiber
artificial heart
artificial horizon
artificial immunity
artificial insemination
artificial intelligence
artificial isotope
artificial kidney
artificial lake
artificial language
artificial languages
artificial leech
artificial magnet
artificial nucleation
artificial pacemaker
artificial person
artificial radioactivity
artificial respiration
artificial satellite
artificial satellites
artificial selection
artificial sweetener
artificial turf
artificial voice
artillery hub
artillery park
artillery plant
artillery train
artillery wagon
artillery wheel
artisan work
artist lithography
artist's model
artist's proof
artist-in-residence
artiste-peintre
artistic administrator
artistic director
artistic flair
artistic imagination
artistic invention
artistic judgment
artistic production
artistic quality
artistic school
artistic skill
artistic style
artistic taste
artistic temperament
artists' canvas
arts and crafts
arts college
arts of design
arts-man
arts-master
artsy-craftsiness
artsy-craftsy
arty-craftiness
arty-crafty
arum family
arum lily
aryl group
aryl radical
aryteno-
aryteno-epiglottic
arytenoid cartilages
as I live and breathe
as a body
as a bonus
as a case in point
as a consequence
as a cover
as a cover-up
as a gift
as a guess
as a joke
as a matter of course
as a matter of fact
as a matter of form
as a pretext
as a profession
as a replacement for
as a result
as a result of
as a rough guess
as a rule
as a substitute for
as a vocation
as a whole
as agreed upon
as all creation
as all get-out
as an alibi
as an alternative
as an alternative to
as an approximation
as an example
as an excuse
as an instance
as attested by
as bad as bad can be
as bad as they come
as bad as they make 'em
as best as you can
as big as life
as boundless as the sea
as broad as long
as can be
as chaste as Diana
as chaste as unsunn'd snow
as clear as day
as close as a vise
as cold as any stone
as compared with
as compensation
as contracted for
as destiny wills
as earnest
as every schoolboy knows
as expected
as far as
as far as I am concerned
as far as possible
as far as the eye can see
as far as you can see
as far as you can tell
as far as you desire
as far as you know
as fate wills
as firm as a stone
as fit as a fiddle
as for
as full as a tick
as good as
as good as good can be
as good as they come
as good as they make 'em
as good as your word
as hard as nails
as here defined
as here interpreted
as how
as if
as ill luck would have it
as in duty bound
as is
as is fitting
as is just
as is only fair
as is only right
as is proper
as is right
as is the custom
as is usual
as is your due
as is your right
as is your wont
as it chanced
as it has been said
as it is
as it is said
as it may be
as it may chance
as it may happen
as it may turn out
as it may turn up
as it ought to be
as it pleases yourself
as it seems
as it seems best
as it seems good
as it should be
as it suits yourself
as it was said of old
as it were
as large as life
as lief
as lief as not
as lies in your power
as like as can be
as like as eggs
as like as two peas in a pod
as lissome as a hazel wand
as little as may be
as long as
as long as your arm
as luck wills
as luck would have it
as matters stand
as may be
as may be expected
as merry as the day is long
as much again
as much as
as much as in one lies
as much as lieth in you
as much as to say
as near as makes no difference
as near as no matter
as new
as no one would have predicted
as of
as of a chapter
as of now
as often as can be
as often as not
as often as you like
as often as you wish
as one
as one goes
as one man
as ordered
as our guest
as per usual
as plain as a pikestaff
as plain as plain can be
as promised
as proud as Punch
as proxy for
as red
as regards
as representing
as required
as respects
as safe as houses
as seen
as soon
as soon as
as such
as sure as I live and breathe
as the case may be
as the crow flies
as the day is long
as the fellow says
as the matter stands
as the saying goes
as the saying is
as the sparks fly upward
as the story goes
as the story runs
as the tree falls
as the world goes
as they say
as things are
as things go
as things may fall
as things turn out
as things worked out
as thou wilt
as though
as tightfisted as a kulak
as times go
as to
as transient as the clouds
as usual
as well
as well as
as well as can be said
as who should say
as wide asunder as pole and pole
as yet
as you may have suspected
as you might suppose
as you might think
as you please
as you say
as you sees it
as you think best
as you will
as you wish
as-
asa dulcis
asafetida oil
asarum camphor
asarum oil
asbestos blanket
asbestos board
asbestos braid
asbestos carder
asbestos cement
asbestos cloth
asbestos covering
asbestos crusher
asbestos curtain
asbestos doubler
asbestos felt
asbestos fiber
asbestos filter
asbestos flooring
asbestos lagging
asbestos lining
asbestos listing
asbestos lumber
asbestos paper
asbestos porcelain
asbestos rock
asbestos tile
asbestos toaster
asbestos weaver
asbestos wood
asbestos-coated
asbestos-corrugated
asbestos-covered
asbestos-packed
asbestos-protected
asbestos-welded
asc-
ascend the throne
ascending aorta
ascending colon
ascending node
ascension day
ascetical theology
asclepias butterfly
asco-
ascorbic acid
ascot tan
ascot tie
ascribe importance to
ascribe to
ascus fruit
aseptic surgery
asexual generation
asexual reproduction
ash barrel
ash bin
ash blond
ash bread
ash bud
ash cake
ash can
ash canker
ash cart
ash chute
ash collector
ash color
ash cone
ash furnace
ash gray
ash heap
ash hopper
ash key
ash leaf
ash oven
ash pile
ash pole
ash pone
ash pumpkin
ash rock
ash spear
ash staff
ash tray
ash tree
ash wednesday
ash wood
ash-bellied
ash-blond
ash-blue
ash-colored
ash-free
ash-gray
ash-gray blister beetle
ash-leaved
ash-leaved maple
ash-looking
ash-staved
ash-throated
ash-wednesday
ash-white
ashamed of yourself
ashen-hued
ashes in the mouth
ashes to ashes and dust to dust
ashlar brick
ashlar line
ashlar veneer
asian influenza
asiatic cholera
aside from
aside from de
ask a question
ask about
ask after
ask and give no quarter
ask bids for
ask for
ask for it
ask for pity
ask for your hand
ask forgiveness
ask in exchange
ask leave of no man
ask no favors
ask no quarter
ask offers for
ask questions
ask the impossible
asked price
asking bid
asking price
asleep at the switch
asleep in Jesus
asleep in the Lord
asleep on the job
asleep on your feet
asp viper
asparagic acid
asparaginic acid
asparagus bean
asparagus beetle
asparagus broccoli
asparagus fern
asparagus lettuce
asparagus pea
asparagus stone
aspartic acid
aspect ratio
aspen poplar
asphalt cement
asphalt grout
asphalt jungle
asphalt macadam
asphalt mastic
asphalt oil
asphalt paint
asphalt paper
asphalt rock
asphalt tile
asphalt-base
asphalt-base oil
asphodel green
asphyxia neonatorum
asphyxiating gas
aspirating stroke
aspiration pneumonia
aspire after
aspire to
ass between two bundles of hay
ass in lion's skin
ass over elbows
ass parsley
ass-backwards
ass-chewing
ass-ear
ass-head
ass-headed
ass-kisser
ass-kissing
ass-licker
ass-licking
ass-reaming
ass-ship
assai palm
assail the ear
assail the nostrils
assassin bug
assault and battery
assault and robbery
assault boat
assault line
assault sexually
assault the ear
assault transport
assault-troop plane
assay balance
assay bar
assay beam
assay crucible
assay cup
assay flask
assay foot
assay furnace
assay groove
assay mill
assay office
assay oven
assay pound
assay ton
assay-office bar
assembling mark
assembly conveyer
assembly district
assembly hall
assembly language
assembly line
assembly plant
assembly room
assembly routine
assembly-line housing
assembly-line production
assent grudgingly
assent to
assent under protest
assented bond
assert a claim to
assert a right to
assert a title to
assert the contrary
assert under oath
assert yourself
assertiveness training
asses' bridge
assess a tax upon
assessable stock
assessed valuation
assessment company
assessment insurance
assessment on default
assessment work
asset currency
asset-stripping
assets and liabilities
assign lessons
assign to
assign to a place
assignation house
assigned counsel
assigned risk
assigned task
assigned to
assignment of cause
assimilate to
assimilate with
assistant agent
assistant auditor
assistant barber
assistant bookkeeper
assistant buyer
assistant cashier
assistant chemist
assistant chief
assistant clerk
assistant deputy
assistant director
assistant driver
assistant druggist
assistant editor
assistant engineer
assistant examiner
assistant foreman
assistant guard
assistant housekeeper
assistant inspector
assistant janitor
assistant janitress
assistant librarian
assistant manager
assistant professor
associate professor
associate with
associate yourself with
associated statehood
association area
association book
association by contiguity
association by similarity
association by sound
association copy
association fiber
association football
association neuron
association neurosis
association of ideas
association psychology
association test
association time
associative algebra
associative anamnesis
associative neuron
assort with
assume airs
assume command
assume the
assume the guise of
assume the identity of
assume the offensive
assumed bond
assumed name
assumed position
assuming that
assumption of superiority
assure yourself
assured faith
assured of success
assured probity
astable circuit
astasia-abasia
astatic galvanometer
aster daisy
aster family
aster purple
aster ray
aster yellows
asterias swallowtail
asthma herb
asthma paper
asthma weed
asthmatic cigarette
asthmatic wheeze
astigmatic lens
astonishing thing
astr-
astragal Architect
astrakhan cloth
astral body
astral crown
astral influences
astral lamp
astral plane
astral projection
astral ray
astral spirit
astringent bitters
astro hatch
astro station
astro-
astro-inertial guidance
astro-meteorology
astronomical almanac
astronomical calendar
astronomical chart
astronomical clock
astronomical day
astronomical distance
astronomical frame of reference
astronomical longitude
astronomical number
astronomical observatory
astronomical refraction
astronomical telescope
astronomical twilight
astronomical unit
astronomical year
asymmetric carbon atom
asymmetric time
asymmetric transmission
asymmetry potential
at a bargain
at a blow
at a clip
at a declining rate
at a disadvantage
at a discount
at a distance
at a first approximation
at a funeral pace
at a glance
at a good clip
at a great rate
at a halt
at a high price
at a later time
at a loose end
at a loss
at a low ebb
at a low price
at a nonplus
at a premium
at a price
at a profit
at a reduction
at a sacrifice
at a slant
at a snail's pace
at a stand
at a standstill
at a stretch
at a stroke
at a subsequent time
at a tangent
at a turtle's pace
at a venture
at a word
at about
at all
at all accounts
at all costs
at all events
at all hazards
at all points
at all risks
at all times
at an advanced age
at an angle
at an end
at an impasse
at another time
at any cost
at any price
at any rate
at any sacrifice
at any straw
at any time
at arm's length
at attention
at auction
at bar
at bat
at bay
at bayonet point
at best
at bottom
at budget prices
at choice
at close hand
at close quarters
at cockcrow
at concert pitch
at cost
at cost price
at cross-purposes
at cross-purposes with
at daggers
at daggers drawn
at dawn
at dawn of day
at death's door
at demand
at discretion
at each other's throat
at ease
at ease and lighthearted
at enmity
at established periods
at every turn
at fault
at feud
at fever pitch
at first
at first blush
at first hand
at first light
at first sight
at first view
at fixed periods
at flank speed
at flood
at full
at full blast
at full drive
at full length
at full pelt
at full speed
at full throttle
at gaze
at grade
at great cost
at great expense
at grips
at gunpoint
at hack
at half cock
at hand
at haphazard
at haven
at hazard
at heart
at heavy cost
at heel
at home
at home in
at home with
at infrequent intervals
at intervals
at irregular intervals
at issue
at it
at just the wrong time
at large
at last
at law
at least
at leisure
at length
at liberty
at loggerheads
at long last
at loose ends
at mid-day
at most
at next hand
at night
at no
at no great distance
at no hand
at no time
at noon
at odd times
at odds
at odds with
at once
at once and on the spot
at one
at one and the same time
at one blow
at one fell swoop
at one jump
at one stroke
at one swoop
at one time
at one with
at opposite extremes
at outcry
at outs
at par
at peace
at piggy-bank prices
at pleasure
at present
at prime cost
at public auction
at public outcry
at random
at reduced rates
at regular intervals
at rest
at right angles
at rock bottom
at sea
at second hand
at short notice
at sight
at sixes and sevens
at small cost
at some other time
at square
at stake
at stated times
at straws
at strife
at sunrise
at swords' points
at that
at that instant
at that moment
at that rate
at that time
at the bar
at the base of
at the beck and call of
at the bottom
at the bottom of
at the bottom of the heap
at the bottom of the scale
at the bound
at the breast
at the bursting point
at the conclusion
at the core
at the crack of dawn
at the dip
at the double
at the drop of a handkerchief
at the drop of a hat
at the eleventh hour
at the end
at the end of your rope
at the end of your tether
at the expense of
at the feet of
at the first blush
at the first go-off
at the first opportunity
at the foot of
at the gun
at the hand
at the hand of
at the hands of
at the head
at the heart of
at the height
at the helm
at the instance of
at the last
at the last extremity
at the last gasp
at the last minute
at the latest
at the least
at the limit
at the mercy of
at the most
at the nadir
at the option of
at the outside
at the peak
at the periphery
at the pinnacle
at the pitch of your breath
at the point of
at the point of a gun
at the point of death
at the point of the bayonet
at the point of the gun
at the point of the sword
at the portals of death
at the present time
at the reins
at the same instant
at the same moment that
at the same time
at the same time as
at the same time that
at the start
at the summit
at the threshold
at the threshold of
at the time of
at the time that
at the top
at the top of the ladder
at the top of the tree
at the top of your bent
at the top of your lungs
at the top of your voice
at the wheel
at the word of command
at the zenith
at this instant
at this juncture
at this moment
at this point
at this time
at this time of day
at times
at twelve-o’clock sharp
at variance
at variance with
at variance with the facts
at various times
at war
at war ’twixt will and will not
at war with
at what price
at what time
at whatever time
at which
at which instant
at which moment
at which time
at wholesale
at will
at work
at worst
at wt
at your beck and call
at your best
at your bidding
at your call
at your command
at your convenience
at your discretion
at your disposal
at your door
at your ease
at your elbow
at your feet
at your fingertips
at your heels
at your last gasp
at your leisure
at your mercy
at your nod
at your orders
at your own discretion
at your own sweet time
at your own sweet will
at your pleasure
at your service
at your side
at your will
at your will and pleasure
at your wit's end
at your wits' end
at-
at-home
at-homeish
at-homeishness
at-homeness
at-large
atamasco lily
ate-
atef crown
atef-crown
atelets sauce
atelo-
ater-
athanasian creed
athel tree
athlete's foot
athlete's heart
athletic coach
athletic equipment
athletic field
athletic heart
athletic socks
athletic support
athletic supporter
athwart the hawse
atka mackerel
atlantic time
atlanto-
atlas folio
atlee gall
atlo-
atlo-odontoid
atlanto-occipital
atmo-
atmospheric attenuation
atmospheric boundary layer
atmospheric braking
atmospheric condition
atmospheric electricity
atmospheric engine
atmospheric layer
atmospheric perspective
atmospheric pressure
atmospheric tides
atmospheric visibility
atom blast
atom bomb
atom counter
atom gun
atom model
atom smasher
atom soul
atom war
atom-bomb
atom-chipping
atom-rocket
atom-smashing
atom-tagger
atom-tagging
atom-tracing spectrometer
atomic accelerator
atomic age
atomic arsenal
atomic attack
atomic battery
atomic beam
atomic bomb
atomic cannon
atomic chemistry
atomic clock
atomic cluster
atomic cocktail
atomic constants
atomic decay
atomic disintegration
atomic energy
atomic energy plant
atomic engine
atomic explosion
atomic furnace
atomic gun
atomic heat
atomic hydrogen torch
atomic hydrogen welding
atomic hypothesis
atomic mass
atomic mass unit
atomic model
atomic nucleus
atomic number
atomic particle
atomic particles
atomic pile
atomic power
atomic power plant
atomic project
atomic radiation
atomic ray
atomic reaction
atomic research
atomic science
atomic scientist
atomic structure
atomic submarine
atomic theory
atomic units
atomic units and constants
atomic volume
atomic war
atomic warfare
atomic warhead
atomic weapons
atomic weight
atomic-powered submarine
atone for
atrial fibrillation
atrioventricular block
atrioventricular bundle
atrioventricular node
atro-
atrocious pain
atrociousness
atrociousness story
atrophic arthritis
atrophic inflammation
attacca subito
attach a condition
attach a proviso
attach importance to
attach little importance to
attach some weight to
attach to
attach too much importance to
attach yourself to
atteche case
attached to
attachment disk
attachment plug
attack bomber
attack in force
attack like lightning
attack of illness
attack of nerves
attack plane
attack squadron
attack time
attack transport
attain fulfillment
attain majority
attain mastery of
attain to
attain your objective
attar of roses
attempt the impossible
attempt to
attend Communion
attend Mass
attend classes
attend closely to
attend on
attend rites
attend school
attend to
attend to business
attend to orders
attend to your work
attend upon
attendance allowance
attendance centre
attendance officer
attendant godling
attendant spirit
attended by
attended with danger
attending physician
attention signal
attention span
attention to detail
attention to fact
attention-getting
attenuation charge
attested copy
attic order
attic room
attic story
attitude art
attitude-control rocket
atto-
attorney general
attorney generals
attorney in fact
attorney-at-law
attorney-generalship
attorney-in-fact
attorneys general
attorneys-at-law
attorneys-in-fact
attract attention
attract notice
attract your interest
attracted to
attracted-disk
attraction cone
attraction sphere
attractive nuisance
attributable to
attribute to
attributed to
atypical pneumonia
au beurre fondu
au beurre noire
au beurre roux
au bleu
au contraire
au courant
au fait
au fond
au fromage
au gras
au gratin
au jus
au kirsch
au lait
au maigre
au naturel
au pair
au pair girl
au pied de la lettre
au reste
au revoir
au vert pre
au vin blanc
au vol
aubergine purple
auburn-haired
auction agent
auction block
auction bridge
auction euchre
auction hearts
auction off
auction pinochle
auction pitch
auction pool
auction room
auction sale
aucuba green
aucuba mosaic
audibility meter
audience chamber
audience court
audience room
audience success
audience-proof
audio amplifier
audio channel
audio detector
audio devices
audio distortion
audio frequency
audio monitor
audio signal
audio sound system
audio transmitter
audio truck
audio-
audio-IF oscillator
audio-frequency
audio-frequency amplification
audio-frequency amplifier
audio-frequency circuit
audio-frequency detector
audio-frequency oscillator
audio-frequency tube
audio-visual
audio-visual aids
audio-visually
audit ale
audit book
audit certificate
audit date
audit house
audit office
audit room
auditor-general
auditors-general
auditory amnesia
auditory aphasia
auditory apparatus
auditory canal
auditory effect
auditory impairment
auditory meatus
auditory nerve
auditory organ
auditory ossicles
auditory phenomenon
auditory phonetics
auditory range
auditory sense
auditory stimulus
auditory tube
auditory vesicle
auf Wiedersehen
auf wiedersheen
augen-gabbro
augen-gneiss
auger bit
auger box
auger crank
auger drill
auger feed
auger handle
auger hole
auger lathe
auger machine
auger press
auger shell
auger stem
auger tongue
auger worm
auger-nose
auger-type
augite-porphyrite
augite-porphyry
augmented interval
augmented sixth
augmented triad
augur well
auld lang syne
auld-farran
auld-farrand
auld-farrant
auld-warld
auln-
auln-
aunc-
aunc-
auntie man
aur-
aural examination
aural sense
aurea mediocritas
aurene glass
aureolin yellow
auri-iodide
auricula purple
auricular appendage
auricular confession
auricular fibrillation
auriculo-infraorbital
auriculo-occipital
auro-
aurora australis
aurora borealis
aurora glory
aurora orange
aurora particle
aurora particle counter
aurora particles
aurora polaris
aurora sauce
aurora trout
aurora yellow
auspicium melioris aevi
aussage test
austenitic stainless steel
austerity program
austr-
australia day
australian ballot
auto-infection
auto-inoculability
auto-inoculable
auto-inoculation
auto-objective
auto-observation
auto-omnibus
auto-ophthalmoscope
auto-ophthalmoscopy
auto-oxidation
auto-oxidize
auto-rickshaw
auto-rifle
autoconvection gradient
autodyne reception
autogenous vaccine
autographic recorder
autoignition point
autokinetic effect
autokinetic illusion
autokinetic phenomenon
autolysate-precipitate
automanual system
automated factory
automated satellite
automatic analyzer
automatic analyzers
automatic block signal
automatic boost control
automatic choke
automatic control
automatic control engineering
automatic control system
automatic data processing
automatic detector
automatic detectors
automatic device
automatic devices
automatic dishwasher
automatic drill
automatic drive
automatic electronic navigation
automatic electronics
automatic engineering
automatic exchange
automatic factory
automatic feed mechanism
automatic frequency control
automatic gain control
automatic guidance
automatic gun
automatic gun director
automatic heater
automatic indicating scale
automatic indicator
automatic indicators
automatic iron
automatic laundry
automatic machine
automatic piano
automatic pilot
automatic pinspotter
automatic pistol
automatic plotter
automatic premium loan
automatic printer
automatic range finder
automatic reaction
automatic response
automatic rifle
automatic screw machine
automatic sight
automatic sprinkler
automatic stability
automatic stop
automatic switch
automatic technician
automatic technology
automatic telegraph
automatic telephone
automatic telephone exchange
automatic telephone system
automatic tracking
automatic transmission
automatic trip
automatic typesetting
automatic washer
automatic washer-dryer
automatic writing
automatic-weapons fire
automation technology
automobile board
automobile insurance
automobile liability insurance
automobile race
automobile racing
av-
avail nothing
avail yourself of
available funds
available gain
available light
available means
available resources
avalanche conduction
avalanche lily
avalanche wind
avant-
avant-courier
avant-garde
avant-garde jazz
avant-gardism
avant-gardist
avant-propos
avarice on stilts and masked
ave maria
avec plaisir
avellan cross
avenging spirit
aver-
average adjuster
average book
average clause
average deviation
average down
average life
average man
average out
average person
average revenue
average run
average stater
average up
average-life period
averse to
aversion therapy
avert the eyes
avian diphtheria
avian leukosis
avian pneumoencephalitis
avian pox
avian pseudoplague
avian spirochetosis
aviation badge
aviation beacon
aviation beacons
aviation cadet
aviation field
aviation gasoline
aviation instrument
aviation insurance
aviation medicine
aviation radar
aviation radio
aviation technology
aviation wings
aviator glasses
avignon berry
avion-canon
avocado fat
avocado green
avocado oil
avocado pear
avocado weevil
avoid both Scylla and Charybdis
avoid excess
avoid extremes
avoid the limelight
avoid your gaze
avoidance mechanism
avoidance play
avoidance reaction
avoiding reaction
avoirdupois pound
avoirdupois weight
avowed Communist
aw-
awake a doubt
awake a suspicion
awake the dead
awake the echoes
awake to
awake to life immortal
awaken the memory
awaken the mind
awaken the thoughts
awaken to
award wage
award winner
aware of
away back
away from
away from home
away from the point
away off
away with you
away-going
away-going crop
awe-awakening
awe-band
awe-bound
awe-commanding
awe-compelling
awe-filled
awe-inspired
awe-inspiring
awe-inspiringly
awe-stricken
awe-strike
awe-struck
awful silence
awful-eyed
awful-gleaming
awful-looking
awful-voiced
awkward age
awkward person
awkward squad
awl bird
awl-fruited
awl-leaved
awl-shaped
awn grass
awned wheat grass
awning cloth
awning deck
awning window
awnless brome grass
ax eye
ax grinder
ax handle
ax helve
ax maker
ax sheath
ax wedge
ax, the
ax-adz
ax-shaped
axe-breaker
axial flow compressor
axial motion
axial pencil
axial skeleton
axial-flow
axial-flow turbine
axial-flow turbojet
axial-flow unit
axial-type engine
axiological ethics
axiom of choice
axiom of countability
axis cylinder
axis cylinder process
axis deer
axis of abscissas
axis of ordinates
axis of revolution
axis of symmetry
axle adjuster
axle arm
axle assembler
axle bar
axle bearing
axle bender
axle bolt
axle box
axle bush
axle cap
axle case
axle centerer
axle cutter
axle dresser
axle ender
axle filer
axle finisher
axle forger
axle grease
axle grinder
axle guard
axle guide
axle hammer
axle hammerman
axle hardener
axle hook
axle journal
axle lagger
axle lathe
axle load
axle oiler
axle packer
axle pin
axle pinner
axle press
axle rougher
axle saddle
axle seat
axle setter
axle shaft
axle sleeve
axle slotter
axle spindle
axle stool
axle straightener
axle tooth
axle turner
axle wad
axle worker
axle-bending
axle-boring
axle-centering
axle-forging
axle-tooth
axle-tree
axletree arm
axonometric projection
ay-
ay-green
aye-aye
aye-ceaseless
aye-during
aye-dwelling
aye-lasting
aye-living
aye-remaining
aye-renewed
aye-restless
aye-rolling
aye-running
aye-sought
aye-troubled
aye-turning
aye-varied
aye-welcome
ayenbite of inwit
ayer-ayer
ayr stone
ayurvedic medicine
az-
az-
azido group
azido radical
azimuth bar
azimuth circle
azimuth co-ordinate
azimuth compass
azimuth dial
azimuth distance
azimuth error
azimuthal equidistant projection
azimuthal projection
azimuthal quantum number
azine dye
azo blue
azo dye
azo group
azo radical
azo-
azo-orange
azo-orchil
azo-orseilline
azoic dye
azomethine group
azon bomb
azonal soil
azonium base
azonium salt
azoxy group
azure-blazoned
azure-blue
azure-canopied
azure-circled
azure-colored
azure-domed
azure-eyed
azure-footed
azure-inlaid
azure-mantled
azure-mantled
azure-penciled
azure-plumed
azure-tinted
azure-vaulted
azure-veined
azurite blue
azygo-
b Physics
b and b
b battery
b complex
b-horizon
b/d Book-keeping
baal kore
baal marriage
baba au rhum
baba-koto
babas au rhum
babassu oil
babbit-metal
babbit metal
babbitting jig
babcock test
babe in the wood
babe in the woods
babe-faced
babies'-breath
baby act
baby beef
baby bird
baby blue
baby blue-eyes
baby blues
baby bond
baby bonus
baby boom
baby buggy
baby bunting
baby carriage
baby clothes
baby eyes
baby face
baby farm
baby farmer
baby farming
baby fern
baby grand
baby grand piano
baby heathberry
baby jib topsail
baby kisser
baby lace
baby linen
baby orchid
baby pin
bachelors-at-arms
bacillary dysentery
bacillary white diarrhoea
back action
back air pipe
back airing
back anchor
back and fill
back and forth
back answer
back away
back balance
back band
back bar
back beam
back bench
back bender
back block
back boiler
back bond
back center
back check
back choir
back clearance
back cloth
back comb
back country
back crawl
back current
back debts
back dive
back door
back down
back draft
back eccentric
back electromotive force
back end
back entry
back fat
back file
back fillet
back focus
back formation
back four
back full
back gear
back green
back hair
back seat
back shaft
back shop
back shutter
back side
back sinew
back slang
back staff
back stairs
back step
back stop
back straight
back strapper
back stream
back street
back stretch
back swath
back swimmer
back talk
back tendon
back the wrong horse
back to back
back track
back trail
back turn
back two-thirds
back up
back vent
back venting
back water
back way
back when
back yard
back-
back-acting
back-acting steam engine
back-action steam engine
back-alley
back-and-forth
back-angle
back-bencher
back-berend
back-biting
back-blocker
back-blowing
back-board
back-breaking
back-breathing
back-broken
back-burner
back-check
back-cloth
back-cloths
back-coming
back-connected
back-connected switch
back-country
back-door
back-drawing
back-drawn
back-end
back-face
back-facing
back-fanged
back-fence gossip
back-filleted
back-fire
back-flowing
back-flung
back-focused
back-formation
back-geared
back-glancing
back-going
back-hand
back-handed
back-handed compliment
back-hander
back-lash
back-leaning
back-light
back-lighted
back-lighting
back-list
back-lit
back-log
back-looking
back-lying
back-making
back-number
back-paddle
back-paint
back-palm
back-pedal
back-pedaled
back-pedaling
back-pedalled
back-peddling
back-piece
back-plaster
back-plate
back-pressure arm-lift method
back-pressure valve
back-pulling
back-putty
back-racket
back-raking
back-scratcher
back-scratching
back-seat driver
back-set
back-set bed
back-settler
back-sey
back-slang
back-slanging
back-slapping
back-spiker
back-staff
back-starting
back-stepping
back-stitch
back-stope
back-strapped
back-streeter
back-stroke
back-surring
back-sword
back-talk
back-tan
back-titrate
back-titration
back-to-back
back-to-back switching circuit
back-to-front
back-trailer
back-trip
back-up
back-up light
back-ward
back-way
backache brake
backache root
backbreaking work
backdoor trots
backed-off
backer-up
backers-up
backflap hinge
backflow valve
background detail
background music
background projection
background radiation
backhand rent
backing angle
backing bar
backing jointer
backing light
backing metal
backing off
backing out
backing paper
backing store
backing strip
backing striplight
backing up
backing wind
backing-off
backing-off lathe
backpacking tent
backpedaling brake
backseat driver
backspace key
backstairs influence
backstay stools
backup light
backup man
backward and forward
backward blessing
backward change
backward deviation
backward motion
backward step
backwards and forwards
backwater valve
bacon and eggs
bacon beetle
bacon hog
bacon-and-eggs
bacon-lettuce-tomato sandwich
bacteri-
bacteria bed
bacterial blight
bacterial canker
bacterial disease
bacterial plaque
bacterial therapy
bacterial vaccine
bacterial wilt
bacterio-
bacterio-opsonic
bacterio-opsonin
bacteriological warfare
baculo-metry
bad actor
bad behavior
bad blood
bad books
bad boy
bad break
bad breath
bad case
bad cess
bad character
bad check
bad child
bad condition
bad conduct discharge
bad copy
bad debt
bad debts
bad deed
bad dream
bad ear
bad egg
bad example
bad eyesight
bad fairy
bad faith
bad feeling
bad for
bad fortune
bad graces
bad grammar
bad guy
bad habit
bad hand
bad handwriting
bad hat
bad humor
bad influence
bad job
bad language
bad light
bad likeness
bad liquor
bad lot
bad luck
bad man
bad manners
bad money
bad move
bad name
bad news
bad notices
bad odor
bad off
bad people
bad peri
bad person
bad poet
bad poetry
bad policy
bad press
bad quality or effect
bad report
bad reputation
bad repute
bad smell
bad spelling
bad spirit
bad taste
bad temper
bad time
bad times
bad turn
bad will
bad woman
bad writing
bad-headed
bad-hearted
bad-humored
bad-looking
bad-minded
bad-mouth
bad-order freight
bad-smelling
bad-tempered
badge of infamy
badge of office
badger baiting
badger bird
badger dog
badger game
badger plane
badger skunk
badger-legged
badging hook
badly off
badminton court
badminton cup
bae-
baeberry bark
baffle board
baffle description
baffle gate
baffle painting
baffle plate
baffling problem
baffling wind
bag and baggage
bag bearer
bag beater
bag boom
bag bundler
bag cap
bag clasp
bag cleaner
bag cutter
bag dryer
bag feeder
bag filler
bag filter
bag fitter
bag folder
bag fox
bag frame
bag framer
bag holder
bag house
bag loader
bag machinist
bag maker
bag marker
bag mender
bag net
bag of bones
bag of tricks
bag of wind
bag packer
bag picker
bag printer
bag rack
bag repairer
bag riveter
bag sewer
bag sleeve
bag sorter
bag stacker
bag stitcher
bag table
bag twine
bag work
bag worker
bag wrinkle
bag-bearing
bag-bedded
bag-bundling
bag-cheeked
bag-closing
bag-cutting
bag-filling
bag-flower
bag-folding
bag-printing
bag-reef
bag-sewing
bag-shaped
bag-wig
baggage agent
baggage car
baggage cart
baggage check
baggage clerk
baggage inspector
baggage man
baggage porter
baggage rack
baggage room
baggage train
baggage van
baggage wagon
baggage-smasher
bags I
bagworm moths
baib grass
bail bond
bail out
bail up
bail you out
bail-dock
bail-out
bailer shell
bailey bridge
bain-marie
bains-marie
bait and switch
bait bug
bait casting
bait set
bait the hook
baited trap
bake cart
bake kettle
bake sale
bake-meat
bake-off
baked Alaska
baked beans
baked goods
baked meat
baked sheep's head
baked-apple
baken by surprise
baker bird
baker sheet
baker's cheese
baker's dozen
baker's legs
baker-knee
baker-kneed
baker-leg
baker-legged
bakers' yeast
bakery moth
bakery proofer
baking powder
baking soda
bal costume
bal masque
balaclava helmet
balance accounts
balance adjuster
balance arm
balance beam
balance bob
balance bridge
balance clerk
balance cock
balance coil
balance crane
balance dock
balance electrometer
balance fish
balance frame
balance gate
balance in hand
balance income with outgo
balance level
balance link
balance lug
balance maker
balance of nature
balance of payments
balance of power
balance of precision
balance of trade
balance pin
balance piston
balance pit
balance plane
balance rail
balance reef
balance ring
balance rope
balance rudder
balance rynd
balance screw
balance sheet
balance spring
balance staff
balance step
balance the books
balance valve
balance watch
balance weight
balance wheel
balanced diet
balanced fund
balanced line
balanced personality
balanced rudder
balanced sentence
balanced step
balanced ticket
balanced valve
balancer set
balancing band
balancing coil
balancing condenser
balancing flap
balancing link
balancing ring
balancing set
balancing ways
balanitis gangrenosa
balanophore wax
balas ruby
balata belt duck
balata gum
bald as a coot
bald as an egg
bald coot
bald cypress
bald eagle
bald fact
bald-faced
bald-faced hornet
bald-headed
bald-headedness
bald-pated
bald-patedness
balder-brae
balder-herb
bale band
bale breaker
bale buckle
bale conveyor
bale feeder
bale goods
bale hook
bale jumper
bale marker
bale opener
bale out
bale stick
bale stitcher
bale strap
bale tie
bale tier
bale-fire
baleen whale
baling machine
balk at
balk day
balk line
balk-line game
balky horse
ball and chain
ball and ring
ball bearing
ball boy
ball breaker
ball cactus
ball cartridge
ball caster
ball clay
ball club
ball cock
ball fern
ball foot
ball game
ball gentle
ball grinder
ball gudgeon
ball handle
ball indicator
ball ironstone
ball joint
ball lever
ball lightning
ball mill
ball moss
ball mustard
ball of fire
ball of wax
ball park
ball peen
ball peen hammer
ball pen
ball point pen
ball python
ball reamer
ball rest
ball rose
ball sage
ball screw
ball seater
ball smut
ball snake
ball stitch
ball tap
ball the jack
ball thistle
ball top
ball turret
ball up
ball valve
ball-and-claw foot
ball-and-socket joint
ball-bearing
ball-carrier
ball-flower
ball-hooter
ball-jasper
ball-park
ball-peen hammer
ball-planting
ball-point
ball-point pen
ball-shaped
ball-thrombus
ball-turret gun
ballad horn
ballad maker
ballad making
ballad measure
ballad meter
ballad metre
ballad opera
ballad poetry
ballad reciter
ballad rhyme
ballad singer
ballad singing
ballad stanza
ballad style
ballad writer
ballast brakesman
ballast car
ballast cleaner
ballast crusher
ballast engine
ballast fin
ballast ganger
ballast heaver
ballast hole
ballast inspector
ballast line
ballast loader
ballast master
ballast plant
ballast port
ballast pump
ballast regulator
ballast spreader
ballast stone
ballast tank
ballast tipper
ballast track
ballast trimmer
ballast tube
ballast unloader
ballast-cleaning
ballast-crushing
ballast-loading
balled up
balled-up
ballet blanc
ballet d'action
ballet dancer
ballet dancing
ballet divertissement
ballet girl
ballet master
ballet mistress
ballet music
ballet shoes
ballet skirt
ballet slipper
ballet slippers
ballet suite
ballets blancs
balli buntl
ballibuntl hat
balling furnace
balling gun
balling head
balling iron
ballistic camera
ballistic capsule
ballistic galvanometer
ballistic missile
ballistic pendulum
ballistic trajectory
ballistic wind
ballon d'essai
ballon-sonde
ballonet ceiling
ballons d'essai
balloon ball
balloon barrage
balloon bed
balloon chuck
balloon clock
balloon cloth
balloon fabric
balloon feather
balloon foresail
balloon frame
balloon framing
balloon in
balloon jib
balloon sail
balloon seat
balloon sickness
balloon sleeve
balloon tire
balloon trainshed
balloon tyre
balloon vine
balloon-berries
balloon-berry
ballooning in
ballooning spider
ballot box
ballot paper
ballot-box stuffer
ballot-box stuffing
balloting place
ballpoint pen
ballroom dance
ballroom dancer
ballroom dancing
ballroom music
balls-up
bally gum
ballyhoo man
balm apple
balm cottonwood
balm cricket
balm dew
balm fir
balm leaf
balm mint
balm of Gilead
balm of gilead
balm oil
balm pine
balm shrub
balm tea
balm wine
balm-apple
balm-breathing
balm-cricket
balm-leaved
balm-shed
balmy sleep
balsa raft
balsam apple
balsam bog
balsam capivi
balsam copaiba
balsam cucumber
balsam fig
balsam fir
balsam flowers
balsam groundsels
balsam herb
balsam hickory
balsam of Mecca
balsam of Peru
balsam of fir
balsam of peru
balsam of tolu
balsam pear
balsam poplar
balsam shrub
balsam spruce
balsam spurge
balsam tree
balsam vine
balsam-tree family
balto-slavic
baluster column
baluster measure
baluster shaft
baluster stem
bambara butter
bamboo brier
bamboo curtain
bamboo fern
bamboo fish
bamboo grass
bamboo money
bamboo oyster
bamboo palm
bamboo partridge
bamboo rat
bamboo reed
bamboo screen
bamboo shade
bamboo shoot
bamboo shoots
bamboo sugar
bamboo turning
bamboo vine
bamboo ware
bambui butter
bambuk butter
banana bean
banana belt
banana bird
banana boa
banana eater
banana family
banana fish
banana flour
banana fly
banana freckle
banana liquid
banana moth
banana oil
banana quit
banana republic
banana root borer
banana seat
banana shrub
banana solution
banana split
banana water lily
banana weevil
banana wilt
band bracelet
band brake
band chain
count concert
count conveyer
count course
count creaser
count cutter
count driver
count filter
count iron
count leader
count major
count maker
count mill
count plant
count pulley
count resaw
count saw
count screen
count shell
count spectrum
count steel
count theory of solids
count together
count wagon
count wheel
count-aid
count-gala
count-pass filter
count-saw file
count-sawing
count-sawyer
count-shaped
count-tailed
count-tailed pigeon
countage compress
countar-log
counted antecater
counted purple
counted rattlesnake
counted rudderfish
counted together
counted about
countle linen
countleer fruit
counttailed pigeon
county about
county leg
county legsbow-legged
banedy with
banedy words
banedy-bandy
banedy-legged
baneful dire
bang away at
bang beggar
bang into
bang off
bang on
bang up
bang's disease
bang-bang
bang-tail
bang-up
bangalore torpedo
banged-up
bangle ear
bangtail muster
banister back
banister-back
banjo clock
banjo eyes
banjo frame
banjo signal
banjo-picker
banjo-uke
banjo-ukulele
banjo-zither
bank acceptance
bank account
bank accountant
bank agent
bank annuities
bank annuity
bank assets
bank assistant
bank auditor
bank balance
bank barn
bank beaver
bank bill
bank bird
bank book
bank boss
bank brakesman
bank call
bank card
bank cashier
bank charter
bank check
bank claim
bank clearings
bank clerk
bank cod
bank court
bank credit
bank cress
bank deposit
bank deposit insurance
bank discount
bank draft
bank engine
bank examiner
bank fish
bank fisher
bank fisheries
bank footman
bank foreman
bank gravel
bank guaranty
bank guard
bank head
bank heading
bank holiday
bank indicator
bank inspector
bank jug
bank laborer
bank ledger
bank letter
bank loan
bank manager
bank martin
bank messenger
bank molder
bank money
bank night
bank note
bank oddman
bank of issue
bank officer
bank on
bank overman
bank paper
bank post bill
bank president
bank ranger
bank rate
bank receipt
bank receiver
bank reference
bank repairer
bank report
bank reserve
bank return
bank robber
bank robbery
bank roll
bank run
bank shot
bank sill
bank smack
bank statement
bank stock
bank superintendent
bank swallow
bank teller
bank tender
bank the fire
bank thistle
bank up
bank upon
bank vole
bank walker
bank water
bank weigher
bank winding
bank woman
bank-and-turn indicator
bank-bill
bank-book
bank-full
bank-high
bank-note
bank-riding
bank-side
bank-sided
bank-wound
banker's acceptance
banker's bill
banker's card
banker's check
banker's order
banker-mark
banker-out
banking account
banking doctrine
banking executive
banking file
banking indicator
banking pin
banking principle
banking screw
banking stud
banking wax
banking-house
banko ware
bankrupt in
bankrupt law
banksia rose
bankul nut
banner bearer
banner cloth
banner cloud
banner cry
banner head
banner headline
banner line
banner name
banner painter
banner plant
banner pole
banner pompano
banner screen
banner staff
banner stone
banner-fashioned
banner-shaped
bannock fluke
bannock stick
banns of matrimony
banquet of the soul
banquette slope
banquette tread
banyan day
banyan tree
banzai attack
banzai charge
baptism for the dead
baptism in the spirit
baptism of fire
bar stool
bar tack
bar the gate
bar tin
bar tracery
bar winding
bar-
bar-and-grill
bar-goose
bar-headed goose
bar-share plow
bar-stock lathe
bar-tailed
bar-wound
bara-picklet
barb bolt
barb the dart
barba amarilla
barba amarillas
barbaric splendor
barbary ape
barbecue sauce
barbecued beef
barbecued spareribs
barbed cat
barbed tributary
barbed wire
barbed-wire entanglement
barbed-wire grass
barber bug
barber chair
barber college
barber pole
barber's basin
barber's chair
barber's itch
barber's pole
barber's shop
barber-bug fever
barber-surgeon
barberry family
barberry fig
barberry rust
barbershop chords
barbershop harmony
barbette carriage
barbette gun
barbital sodium
barbiturate addiction
barbiturate pill
barbituric acid
bare as the back of your hand
bare cupboard
bare fact
bare fallow
bare flesh
bare minimum
bare necessities
bare of
bare pole
bare possibility
bare skin
bare subsistence
bare sufficiency
bare suggestion
bare your fangs
bare-ankled
bare-armed
bare-ass
bare-assed
bare-backed
bare-bitten
bare-boned
bare-bosomed
bare-branched
bare-breasted
bare-chested
bare-clawed
bare-faced
bare-fingered
bare-gnawn
bare-handed
bare-headed
bare-kneed
bare-legged
bare-necked
bare-picked
bare-ribbed
bare-skinned
bare-skulled
bare-throated
bare-toed
bare-walled
bare-worn
bareback rider
bareboat charter
bareface tenon
barefaced lie
barefaced tenon
barefoot tea
barely audible
barely have a chance
barely see
barely sufficient
barely touching
bargain and sale
bargain away
bargain basement
bargain counter
bargain day
bargain driver
bargain for
bargain hunter
bargain on
bargain penny
bargain price
bargain prices
bargain sale
bargain table
bargain work
bargain-basement
bargain-counter
bargain-hunting
bargained for
bargaining session
bargaining unit
barge boom
barge canal
barge couple
barge course
barge in
barge into
barge rig
barge spike
barge stone
barge-board
barge-couple
barge-course
barge-laden
barge-rigged
barge-stone
baritone clef
barium bromate
barium carbonate
barium chloride
barium chromate
barium chrome
barium dioxide
barium enema
barium hydrate
barium hydroxide
barium meal
barium monoxide
barium nitrate
barium oxide
barium peroxide
barium protoxide
barium stearate
barium sulfate
barium sulfide
barium sulphate
barium sulphide
barium thiosulfate
barium yellow
bark at
bark at the moon
bark beetle
bark blazer
bark canker
bark chopper
bark cloth
bark conveyer
bark crusher
bark disease
bark dryer
bark extract
bark feeder
bark gouge
bark grafting
bark grinder
bark house
bark liquor
bark louse
bark maple
bark mark
bark mill
bark parenchyma
bark picker
bark pit
bark scaler
bark shredder
bark spud
bark spudder
bark stripper
bark tree
bark up the wrong tree
bark-bared
bark-cutting
bark-formed
bark-galled
bark-galling
bark-grinding
bark-shredding
bark-tanned
barkhausen effect
barking bill
barking deer
barking drum
barking frog
barking iron
barley broth
barley cake
barley candy
barley carrier
barley cleaner
barley clipper
barley coal
barley crusher
barley flour
barley fork
barley grass
barley mill
barley reel
barley scald
barley scourer
barley smut
barley straw
barley stripe
barley sugar
barley water
barley wine
barley-break
barley-bree
barley-broo
barley-cap
barley-clipping
barley-corn
barley-fed
barley-grinding
barley-hood
barley-hulling
barley-sugar
barn cake
barny beer
barn boards
barn dance
barn door
barn door skate
barn fowl
barn gallon
barn grass
barn gun
barn lantern
barn owl
barn raising
barn sash
barn swallow
barn-brack
barn-door
barn-door fowl
barn-door hanger
barn-door roller
barn-door skate
barn-door stay
barn-raising
barnacle goose
barnacle grass
barnacle scale
barnacle-back
barnacle-eater
barney-clapper
barns-breaking
barnyard fowl
barnyard golf
barnyard grass
barnyard millet
baro-
barograph camera
barometer gauge
barometer paper
barometric error
barometric gradient
barometric pressure
barometric switch
barometric wind rose
baron bailie
baron court
baron et femme
barrel roof
barrel saw
barrel scale
barrel sewer
barrel shackle
barrel stave
barrel tile
barrel tree
barrel vault
barrel-back chair
barrel-bellied
barrel-boring
barrel-branding
barrel-chested
barrel-driving
barrel-heading
barrel-packing
barrel-roll
barrel-shaped
barrel-vaulted
barren brome grass
barren land
barrer-off
barrette file
barrier beach
barrier berg
barrier cream
barrier gate
barrier ice
barrier of secrecy
barrier pillar
barrier reef
barrier tactics
barrier treaty
barring out
barrio-dwellers
barrister-at-law
barrow boy
barrow tram
barrow truck
barrow-boy
barrow-man
barrow-men
barry-bendy
barry-nebuly
barry-pily
barry-wavy
bars gemels
base estate
base exchange
base fee
base fuse
base hit
base horehound
base hospital
base knob
base level
base line
base load
base map
base metal
base metals
base net
base of operations
base oil
base on
base on balls
base pay
base period
base piece
base plate
base plug
base point
base price
base rate
base resistance
base right
base ring
base rocker
base rocket
base runner
base running
base salary
base signal current
base signal voltage
base speed
base stone
base tenant
base tree
base vervain
base wage
base wallah
base-ball
base-begged
base-begot
base-born
base-burner
base-court
base-forming
base-level plain
base-mettled
base-minded
base-mindedly
base-mindedness
base-souled
base-spirited
base-spiritedness
base-witted
baseball bat
baseball cap
baseball field
baseball glove
baseball mitt
baseball rounders
baseball season
based on
basedow’s disease
basement complex
basement house
basement membrane
bases on balls
bash up
bashi-bazouk
bashi-bazoukery
basi-
basic English
basic airman
basic anhydride
basic conductor physics
basic dichromate
basic dress
basic dye
basic education
basic english
basic facts
basic fuchsin
basic fuchsite
basic iron
basic lead carbonate
basic load
basic magenta
basic plumage
basic process
basic proposition
basic rate
basic salary
basic slag
basic substance weight
basic trainer
basic training
basic wage
basic weight
basic-lined
basil balm
basil mint
basil penny royal
basil thyme
basilar membrane
basilic vein
basin range
basing point
basing tariff
basis bundle
basis for belief
basis rate
basis weight
bask in
bask in the sun
bask in the sunshine
basket ash
basket beagle
basket bearer
basket boat
basket button
basket capital
basket carriage
basket case
basket cells
basket chair
basket clause
basket clerk
basket cloth
basket couching
basket elm
basket fern
basket fish
basket flower
basket grass
basket hare
basket hilt
basket hoop
basket maker
basket mast
basket oak
basket osier
basket palm
basket plant
basket salt
basket star
basket stitch
basket tree
basket weave
basket willow
basket withe
basket-ball
basket-bearing
basket-handle arch
basket-hilted
basket-of-gold
basket-star
basketball court
basketball season
basking shark
bass broom
bass bug
bass clef
bass deafness
bass drum
bass fiber
bass fiddle
bass flute
bass fly
bass guitar
bass hogfish
bass horn
bass killy
bass oboe
bass passage
bass player
bass reflex
bass response
bass saxophone
bass staff
bass sunfish
bass viol
bass violinist
bass-bar
bass-horn
bass-relief
bass-viol
bass-wood
basse danse
basse-taille
basses danses
basset griffon
basset horn
basset hound
basset oboe
basset table
basset-horn
bassi cantanti
bassi profundi
bassi-rilievi
basso buffo
basso cantante
basso continuo
basso da camera
basso ostinato
basso profundo
basso rilievo
basso-relievo
basso-relievo
basso-rilevato
bassra locust
bast cell
bast fiber
bast palm
bast parenchyma
bast ray
bast tree
bast vessel
bastard acacia
bastard agrimony
bastard alkanet
bastard aloe
bastard amber
bastard apple
bastard ash
bastard ashlar
bastard asphodel
bastard baldmoney
bastard balm
bastard bar
bastard blue gum
bastard box
bastard bryony
bastard bullet tree
bastard canna
bastard cedar
bastard cherry
bastard chestnut
bastard chickweed
bastard child
bastard chinaroot
bastard cinnamon
bastard clover
bastard cork tree
bastard cress
bastard culverin
bastard cusk
bastard daisy
bastard dittany
bastard dogwood
bastard dory
bastard eigne
bastard elder
bastard elm
bastard fallow
bastard feverfew
bastard fig
bastard file
bastard gemsbok
bastard gentian
bastard gidgee
bastard goosefoot
bastard grain
bastard granite
bastard gromwell
bastard gunter
bastard halibut
bastard hartebeest
bastard hawkweed
bastard hellbore
bastard hemp
bastard horehound
bastard hyssop
bastard indigo
bastard ipecac
bastard ironwood
bastard jarrah
bastard jasmine
bastard jute
bastard lignum vitae
bastard locust
bastard locust tree
bastard lupine
bastard mahogany
bastard manchineel
bastard margaret
bastard marjoram
bastard measles
bastard mouse-ear
bastard myall
bastard nettle
bastard nightshade
bastard olive
bastard parsley
bastard pellitory
bastard pennyroyal
bastard pimpernel
bastard pine
bastard plantain
bastard plover
bastard pointing
bastard quartz
bastard quince
bastard rhubarb
bastard rocket
bastard rosewood
bastard saffron
bastard sago palm
bastard sandalwood
bastard schooner
bastard sea grape
bastard senna
bastard sensitive plant
bastard service tree
bastard snapper
bastard speedwell
bastard spikenard
bastard spruce
bastard strangles
bastard sugar
bastard sycamore
bastard tamarind
bastard teak
bastard thread
bastard title
bastard toadflax
bastard tree
bastard trefoil
bastard trout
bastard trumpeter
bastard tuck pointing
bastard turtle
bastard type
bastard vervain
bastard vetchling
bastard weakfish
bastard windflower
bastard wing
bastard wormwood
bastard yellowlegs
bastard yellowwood
bastard-cut
bastard-saw
bastard-sawed
bastard-sawing
bastard-sawn
bastel house
bastel-house
bastille day
bastille house
bastle house
bat about
bat around
bat bolt
bat bomb
bat boy
bat dance
bat ear
bat in
bat mitzvah
bat money
bat of an eye
bat out
bat out of hell
bat printing
bat ray
bat stingray
bat the breeze
bat the eyes
bat the eyes at
bat tick
bat tree
bat-eared
bat-fowl
bat-minded
bat-mindedness
bat-mule
batch loaf
batch processing
batch together
batcher plant
bateau bridge
bateau neck
bateau neckline
bateur eagle
batement light
bath asparagus
bath brick
bath brush
bath bun
bath cabinet
bath chair
bath cube
bath mat
bath mitzvah
bath salts
bath slipper
bath soap
bath sponge
bath towel
bath-
bath-loving
bathed in light
bathed in sweat
bathed in tears
bathed with light
bathing beach
bathing beauty
bathing belle
bathing cap
bathing costume
bathing girl
bathing gown
bathing hut
bathing machine
bathing place
bathing sandal
bathing shoe
bathing suit
bathing trunks
bathing-machine
bath-
bathroom tissue
bathtub gin
bathy-
bathyal zone
batiator root
batracho-
bats in one's belfry
bats in the belfry
bats-in-the-belfry
batswing burner
batswing coral
battalia pie
batten door
batten down
batten down the hatches
batten ends
batten on
batten plate
batten pocket
batten upon
batter board
batter brace
batter bread
batter pile
batter post
batter pudding
batter rule
batter stick
batter-out
battered baby
battered child syndrome
battering ram
battering train
battering-ram
battery acid
battery cable
battery case
battery cell
battery charger
battery chart
battery eliminator
battery jar
battery lamp
battery maker
battery mud
battery radio
battery supply voltage
battery tester
battery wagon
battery water
battery-charging
battery-powered
battery-testing
batting average
batting block
batting eye
batting hammer
batting order
battle array
battle brand
battle call
battle clasp
battle club
battle cruiser
battle cry
battle din
battle fatigue
battle flag
battle fleet
battle front
battle gaff
battle game
battle group
battle horn
battle hymn
battle it out
battle jacket
battle lantern
battle line
battle piece
battle place
battle plane
battle police
battle position
battle quotient
battle range
battle royal
battle shield
battle shout
battle sight
battle site
battle smoke
battle song
battle star
battle station
battle twig
battle wagon
battle word
battle-ax
battle-axe
battle-fallen
battle-scarred
battle-slain
battle-spent
battle-writhen
battled embattled
battledore and shuttlecock
battleship gray
batule board
batwing burner
batwing chair
batwing sleeve
baulk line
baum marten
bauple nut
bason-faced
bawdy house
bawl out
bawling-out
bawsay fern
bay antler
bay at the moon
bay bar
bay bean
bay bird
bay camphor
bay cat
bay cedar
bay coot
bay floye
bay goose
bay grass
bay holly
bay hops
bay ice
bay lambs
bay laurel
bay lavender
bay leaf
bay lynx
bay mackerel
bay mahogany
bay mare
bay myrtle
bay oak
bay oil
bay plum
bay point
bay poplar
bay rum
bay rum tree
bay salt
bay snipe
bay stall
bay stater
bay stone
bay tree
bay willow
bay winders
bay window
bay yarn
bay-bay
bay-breasted
bay-cedar family
bay-colored
bay-head bar
bay-leaf willow
bay-rum tree
bay-salt
bay-top palmetto
bay-window
bay-winged
bayacura root
bayamo winds
bayberry bark
bayberry candle
bayberry family
bayberry oil
bayberry wax
bayeux tapestry
bayonet base
bayonet clasp
bayonet joint
bayonet leg
bayonet legs
bayonet plant
bayonet socket
bayou bass
bayou lake
bazooka rocket
bc soil
bcg vaccine
bchamel sauce
bd ft
be Greek to
be OK
be a bargain
be a bear for
be a cold fish
be a coward
be a dark horse
be a deal
be a deputy
be a dupe
be a fast study
be a father to
be a feature of
be a flop
be a gas
be a gasbag
be a gasser
be a go
be a good investment
be a good sport
be a good trencherman
be a graphic artist
be a hit
be a law to
be a law unto yourself
be a logical impossibility
be a man
be a man of heart
be a man of sentiment
be a member
be a mother to
be a must for
be a paradox
be a parasite
be a party to
be a patsy
be a pawn of
be a plaything of
be a prey to anxiety
be a prey to your feelings
be a printmaker
be a quality of
be a reproach to
be a sidelinier
be a sign of
be a slow study
be a spectator
be a stretch of the imagination
be a success
be a sucker
be a thing of the past
be a timeserver
be a trait of
be a waste of time
be a windbag
be a yes man
be able
be about
be about to
be about to be borning
be above
be absent
be absent-minded
be absorbed in
be abstracted
be accepted
be accepted for
be accountable for
be accurate
be acquainted with
be active
be added
be admitted
be admitted to the bar
be advised by
be affected
be affected with
be afraid
be after
be against
be again
be agitated
be agreeable
be agreeable to
be ahead
be ahead of time
be airborne
be alert
be alive
be alive with
be all ears
be all eyes
be all heart
be all one to
be all over
be all over with
be all thumbs
be all up with
be allowed
be along
be amazed
be ambitious
be an
be an accessory to
be an easy mark
be an icicle
be an imperative for
be an impossibility
be an incubus to
be an indication of
be angry
be animate
be annihilated
be answerable for
be antipathetic
be apodictic
be apparent
be appreciative of
be apprised
be apprised of
be aromatic
be around
be arrogant
be as expected
be as good as
be as good as your word
be as one looked for
be as one thought
be ashamed
be asleep at the switch
be asleep with the Lord
be astonished
be astounded
be at
be at a standstill
be at cross-purposes
be at ease
be at fault
be at home
be at home in
be at home to
be at one with
be at peace among yourselves
be at sea
be at the bottom of
be at the conn
be at the controls
be at the head of
be at the helm
be at the mercy of
be at the rudder
be at the tiller
be at the wheel
be at variance
be at work on
be at your service
be at your wit's end
be attractive
be aware of
be axiomatic
be based on
be before
be beforehand
be begotten
be behind
be behindhand
be believed
be benevolent
be benighted
be bereaved of
be bereft of
be beside yourself
be betimes
be beyond one
be big
be blessed-eventing
be blind
be blind to
be blinded by your own glory
be blooded
be bombastic
be born
be born for
be born out of wedlock
be born so
be born to trouble
be born under an evil star
be born unto trouble
be bound
be bound to pay
be bounded by
be brewing
be brief
be bright
be consistent
be conspicuous
be constituted by
be construed as
be consumed
be consumed with desire
be contained in
be contemptuous of
be content
be content with
be contiguous
be contingent
be contingent on
be continuous
be contrary to
be conversant with
be converted
be converted into
be convicted
be convinced
be convincing
be convulsed with laughter
be correct
be courteous
be covetous of
be credulous
be crestfallen
be crowned with success
be cruel to be kind
be crushed
be curious
be damaged
be damned
be damp
be dark
be dated
be dead
be dead and gone
be deaf
be death on
be deceived
be defeated
be demonstrable
be dependent on
be deserving
be desirous of
be despained of
be desperately in love
be despondent
be destined
be destined for one
be destined for you
be destroyed
be determined
be diagnostic of
be difficult
be diffident
be dilatory
be disagreeable
be disappointed
be disappointing
be discovered
be discriminating
be disenchanted
be disgraced
be dishonest
be disillusioned
be disorderly
be disposed to
be disrespectful
be dissonant
be distant
be distasteful
be distinct
be distinguished
be doing
be done for
be doomed
be doubly punished
be doubtful
be down on
be downbeat
be dressed in
be driven
be driven into a corner
be drunk
be dry
be dubious
be due
be due to
be dumb with grief
be dying for
be dying to
be eager
be eager about
be earless
be earlier
be early
be easy
be easy in your mind about
be easy of belief
be easy of persuasion
be easy on
be easy to recall
be easy with
be eaten away
be eating someone
be effective
be effortless
be elastic
be eloquent
be embarrassed
be employed
be employed in
be energetic
be enfeoffed of
be enfranchised
be engaged
be engaged in
be engrossed in
be enthusiastic
be entitled to
be envious of
be equal to
be eradicated
be erect
be ever the same
be evident
be excitable
be excited
be expectant
be expected
be expecting
be expedient
be experienced
be expert
be expert at
be expert in
be exposed
be exposed to
be extant
be extirpated
be eyeball to eyeball
be fair
be faithful to
be false
be famous
be far from your thoughts
be fashionable
be fastidious
be fat
be fated
be featured
be fed up
be feeling no pain
be felled
be financially committed
be firm
be fit to be compared
be fitted
be fitting
be fond of
be foolish
be for it
be forced
be forgetful
be forgotten
be formed
be fortunate
be found
be found guilty
be found wanting
be fragrant
be frank
be free
be frequent
be fresh in your memory
be friends
be frightened
be fruitful
be full of beans
be full of emotion
be full of ginger
be full of pep
be full of piss and vinegar
be full of zip
be gainful
be game
be garrulous
be gathered to your fathers
be generous
be generous with
be getting along
be given a jar
be given a jolt
be given a start
be given a turn
be glimpsed
be gone
be good
be good enough
be good for
be good to
be grateful
be gravid
be great with child
be green
be green in your memory
be guided by
be guilty
be had
be half-blind
be hand in glove with
be handy
be hanged
be hard on
be hard put
be hard to believe
be hard to please
be hard up
be harmonious
be heading for a fall
be healthy
be heard
be heavy
be heavy on one
be heavy on you
be heavy upon
be hell on
be hep to
be here again
be high
be holier than the Pope
be honest
be hopeful
be hopeless
be hostile
be hostile to
be hot
be humiliated
be hurting for
be hypocritical
be idle
be ignorant
be ill-humored
be illegitimate
be imbued with the spirit of
be imminent
be impatient
be imperfect
be imperturbable
be implicated in
be important
be impossible
be impotent
be impressed with yourself
be imprisoned
be improbable
be in
be in a brown study
be in a certain state
be in a dilemma
be in a hurry
be in a quandary
be in a rut
be in a speech situation
be in a state
be in accord with
be in action
be in bloom
be in cahoots
be in cahoots with
be in commission
be in concert
be in connection
be in contact
be in danger
be in desperate case
be in dissent
be in earnest
be in effect
be in error
be in existence
be in favor of
be in flower
be in for
be in for it
be in force
be in front
be in harmony with
be in heat
be in heaven
be in hopes
be in intercourse
be in it
be in league
be in line for
be in love with
be in luck
be in mortal dread of
be in need of
be in no hurry
be in office
be in on the decisions
be in operation
be in opposition to
be in paradise
be in peril
be in phase
be in process
be in progress
be in receipt of
be in rut
be in service with
be in seventh heaven
be in stitches
be in store
be in suspense
be in the best of health
be in the books
be in the cards
be in the dark
be in the debt of
be in the driver's seat
be in the family way
be in the fire
be in the future
be in the hopper
be in the neighborhood of
be in the pink
be in the pipeline
be in the prime of life
be in the running
be in the saddle
be in the van
be in the vanguard
be in the vicinity of
be in the way of
be in the works
be in the wrong
be in time
be in touch
be in tune
be in tune with
be in want
be in your dotage
be in your estimation
be in your mind
be in your second childhood
be in your thoughts
be inattentive
be incarnated
be inclined to think
be incognito
be incommunicado
be incomplete
be incomprehensible
be incredible
be incredulous
be incumbent on
be incumbent upon
be incurious
be indebted
be independent
be indicated
be indicative of
be indifferent
be indifferent to
be indiscreet
be industrious
be ineffective
be infanticipating
be inferior
be infinite
be infinitely repetitive
be influential
be informed
be inharmonious
be inhospitable
be inimical
be innocent of
be innocent of forethought
be inquisitive
be insane
be inscribed
be inseparable
be insolent
be inspired
be instated
be instrumental
be insufficient
be intelligent
be intelligible
be intemperate
be intimate
be into
be intoxicated
be invisible
be involved
be irrefutable
be irreligious
be irresolute
be it so
be jealous
be jealous of your good name
be jealous of your repute
be jobber for
be joined
be judged
be judgmental
be judicious
be just
be just like one
be just like you
be just right
be just the thing
be just the ticket
be just what the doctor ordered
be keen
be kept waiting
be killed
be kind
be knocked up
be known as
be known by
be lacking
be laid by the heels
be last off the mark
be late
be late off the mark
be latent
be lawless
be learned
be learned in
be led to believe
be left
be left at the post
be left at the starting gate
be left behind
be left over
be lengthy
be lenient
be let down
be liable
be liable for
be liberal with
be light
be like
be likely
be limited by
be listened to
be livid
be loaded
be located
be logical
be long
be long in the tooth
be long of the market
be loquacious
be lost
be lost in thought
be loving
be low
be lucky
be made one
be made public
be magnetic
be manifest
be master
be master of
be master of the situation
be meaningless
be merry with
be met with
be misguided
be misled
be missed
be mistaken
be moderate
be modest
be more than a match for
be moved
be mute
be nailed to the cross
be nauseated
be near
be near the truth
be necessary
be neglectful
be negligent
be nervous
be neutral
be nice
be nice to
be no more
be no revelation
be no secret
be nobody's fool
be noisy
be not all there
be not your day
be noticeable
be numerous
be nuts about
be obligated
be obligated for
be obliged
be obliged for
be observant
be obsessed with
be obstinate
be occupied with
be of advantage to
be of another mind
be of favorable disposition
be of good cheer
be of good hope
be of like mind
be of no importance
be of one
be of one mind
be of one mind with
be of service
be of service to
be of some help
be of the opinion
be of the same
be of the same order
be of two minds
be of use
be off
be off and running
be off the track
be off your guard
be on
be on a collision course
be on a collision course with
be on an ego trip
be on cloud nine
be on deck
be on everyone's lips
be on good terms
be on hand
be on her beam ends
be on pins and needles
be on pleasure bent
be on the
be on the alert
be on the anvil
be on the back of
be on the ball
be on the fence
be on the lookout
be on the lookout for
be on the point of
be on the right scent
be on the rolls
be on the safe side
be on the same wavelength
be on the skids
be on the spot
be on the watch
be on the watch for
be on to
be on your best behavior
be on your feet
be on your good behavior
be on your guard
be on your last legs
be on your mettle
be on your mind
be on your uppers
be on your way
be one all over
be open to
be operative
be opposed to
be opposite
be optimistic
be ordained
be ostentatious
be otherwise occupied
be out for blood
be out of all patience
be out of it
be out of line
be out of step
be out of the running
be out of the woods
be out of your depth
be out of your mind
be outdistanced
be outrun
be over
be overdue
be overfamiliar with
be overpossessive
be overpriced
be pacifistic
be paid
be painless
be painstaking
be parallel
be paralyzed with fear
be parsimonious
be partial to
be partners in
be past
be patient
be pensioned
be pensioned off
be permissive
be permitted
be persuaded
be persuasive
be pessimistic
be pinched
be pious
be pissed
be plain
be pleased
be pleased with
be pliant
be poised
be poleaxed
be poor
be possessed of
be possessed of the devil
be possessive
be possible
be practical
be precise
be predicated on
be predisposed
be pregnant
be prejudiced
be preoccupied
be prepared
be present
be present at
be present in
be printed
be prior
be probable
be prodigal with
be productive
be profitable
be prolonged
be prominent
be promiscuous
be promising
be proof against
be prosperous
be proud
be proud of
be proved
be pungent
be punished
be pushed to the wall
be put out of countenance
be put out to pasture
be put to the blush
be put to your wit's end
be putty in the hands of
be qualified
be quiet
be quits
be quits with
be rash
be ravenous
be ready
be ready and waiting
be ready for
be realized
be reasonable
be received
be reckless
be recognized
be reconciled to
be redolent of
be reflected
be regarded
be regarded as
be regulated by
be relaxed
be relieved
be relieved of choice
be religious
be remembered
be reminiscent of
be remunerated
be renewed
be repeated
be resentful
be resolute
be resolved
be responsible
be responsible for
be revealed
be rich
be right
be rightly served
be robbed of choice
be ruined
be safe
be salaried
be sanctimonious
be satisfactory
be satisfied
be seasick
be seated
be secluded
be secure in the belief
be security for
be seen
be seen in its true colors
be seen no more
be seen with half an eye
be seized by
be seized of
be seized with wonder
be self-consistent
be selfish
be sensible of
be sent back
be separated
be servile
be set by the current
be shamed
be sharp
be short
be short of the market
be sick
be significant of
be silent
be single
be situated
be sceptical
be skillful
be slow off the mark
be slow to accept
be slow to believe
be smitten
be so
be so good as to
be so in fact
be sociable
be sold
be somebody
be something
be somewhere else
be sorry for
be sought after
be spared
be spent
be sphinxlike
be spliced
be spoiling for
be sponsor for
be staggered
be stamped on your memory
be startled
be still
be stingy
be stood up
be straight
be straight man for
be strapped
be stricken
be stricken by
be strict
be stricken drunk
be strong
be strong in
be struck down
be stuck on yourself
be stuck-up
be stupid
be subject to
be subjected to
be successful
be such
be suicidal
be superannuated
be superseded
be superstitious
be surprised
be swallowed
be sweet on
be swept off your feet
be symptomatic of
be tactful
be taken aback
be taken as
be taken by death
be taken by surprise
be taken in
be taken unawares
be tasteful
be taught
be taught a lesson
be tedious
be telegraphic
be temperate
be thankful
be that as it may
be the bellwether
be the case
be the cause of
be the death of
be the death of one
be the death of you
be the decisive factor
be the duty of
be the effect of
be the equivalent of
be the fashion
be the front-runner
be the goat
be the incumbent
be the making of
be the mark of
be the matter
be the omen of
be the one that counts
be the patsy
be the plaything of
be the prey of
be the puppet of
be the rage
be the rule
be the saving of
be the sign of
be the soul of discretion
be the sport of
be the sport of winds and waves
be the style
be the thing
be the very image of
be the worse for
be the worse for wear
be theatrical
be there
be there for all to see
be thorough
be thoroughly grounded in
be thought of
be thoughtful of
be threatened
be thrilled
be thus
be timely
be tired
be to be
be to come
be to windward of
be to your liking
be told
be too deep
be too deep for
be too good for
be too much for
be touch and go
be touched
be tough
be transient
be transparent
be traumatized
be true
be truthful
be turbulent
be turned off by
be turned on by
be turned on to
be ugly
be unable to comprehend
be unable to get into your head
be unable to recall
be unable to recollect
be unable to retain
be unable to see
be unastonished
be unbelievable
be uncertain
be unchaste
be uncommunicative
be uncritical
be under an obligation
be under the impression
be under the necessity of
be under the sea
be under way
be understandable
be understood
be undesirable
be undiscriminating
be unexpected
be unfaithful
be unflappable
be ungrateful
be unguarded
be uniform with
be unimportant
be unintelligent
be uninteresting
be uninteresting
be unjust
be unmarried
be unmindful of
be unmoved
be unorthodox
be unpleasant
be unprepared
be unproductive
be unready
be unregretful
be unseen
be unselfish
be unsociable
be unsuccessful
be unsure
be untruthful
be unwary
be unwilling
be up against it
be up and doing
be up and stirring
be up on
be up to
be up to something
be upbeat
be uppermost in the mind
be uppermost in your thoughts
be used to
be used up
be vain
be vain as a peacock
be victorious
be vigilant
be vigorous
be virtuous
be visible
be vital
be wafted
be warm
be watchful
be weak
be wedded to a belief
be well-informed
be wholesaler for
be widely reputed
be willing
be wiped out
be wise as a serpent
be wise as an owl
be wise to
be with child
be with it
be with one
be with young
be without end
be wont
be worth your while
be worthwhile
be worthy of
be worthy of comparison
be wreathed in smiles
be wrong
be your charge
be your due
be your fate
be your funeral
be your mission
be your office
be your outlook
be your own boss
be your own man
be your probable destiny
be your probable fate
be your prospect
be your responsibility
be yourself
be yourself again
be-
be-all
be-all and end-all
be-east
be-smut
be-smutch
beach apple
beach aster
beach bag
beach ball
beach bird
beach boat
beach buggy
beach bum
beach clam
beach crab
beach cusp
beach drifting
beach flea
beach goldenrod
beach grass
beach heather
beach pea
beach plant
beach plover
beach plum
beach ridge
beach robin
beach strawberry
beach tan
beach umbrella
beach wagon
beach wormwood
beach-la-mar
beach-sap
beaching gear
beacon boat
beacon fire
beacon lights
beacon station
bead and reel
bead edging
bead furnace
bead lightning
bead molding
bead plane
bead plant
bead slick
bead snake
bead tree
bead-eyed
bead-hook
bead-like
bead-roll
bead-rubies
bead-ruby
bead-shaped
beaded brow
beaded lizard
beaded with sweat
beaded-edge
beading plane
beading tool
beads of sweat
beady-eyed
beak flute
beak molding
beak rush
beak sedge
beak wattles
beak willow
beak-bearing
beak-head
beak-iron
beak-like
beak-nosed
beak-shaped
beaked salmon
beaked whale
beaker culture
beaker folk
beakhorn stake
beaking joint
beam aerial
beam anchor
beam antenna
beam arm
beam board
beam brick
beam bridge
beam caliper
beam center
beam clamp
beam compass
beam engine
beam fill
beam filling
beam hole
beam knee
beam knife
beam light
beam maker
beam mill
beam net
beam of light
beam plate
beam pump
beam reach
beam riding
beam roll
beam sea
beam tetrode
beam texture
beam transmission
beam trawl
beam trawler
beam trawling
beam tree
beam well
beam wind
beam-bending
beam-end
beam-ends
beam-power tube
beam-straightening
beam-switching tube
beam-tree
beaming knife
beaming machine
bean anthracnose
bean aphid
bean aphis
bean ball
bean beetle
bean blight
bean blower
bean cake
bean caper
bean clover
bean crake
bean curd
bean cutworm
bean dolphin
bean flour
bean goose
bean harvester
bean hole
bean honey
bean house
bean king
bean ladybird
bean leaf beetle
bean leaf roller
bean louse
bean mildew
bean mosaic
bean oil
bean picker
bean planter
bean pole
bean polisher
bean pot
bean rick
bean rust
bean shot
bean sprout
bean sprouts
bean thresher
bean tree
bean trefoil
bean tressel
bean vine
bean weevil
bean-bag
bean-caper family
bean-cleaning
bean-crushing
bean-feast
bean-fed
bean-planting
bean-pod borer
bean-polishing
bean-shaped
bear a child
bear a grudge
bear a hand
bear a helping hand
bear account
bear against
bear animalcule
bear arms
bear away
bear brush
bear bush
bear cap
bear cat
bear caterpillar
bear clover
bear corn
bear cub
bear date
bear down
bear down on
bear down on it
bear down upon
bear false witness
bear festival
bear for
bear fruit
bear garden
bear good will
bear grape
bear grass
bear hard upon
bear huckleberry
bear hug
bear ill will
bear in mind
bear in with
bear leader
bear malice
bear market
bear mat
bear more than your share
bear moss
bear no resemblance
bear no resemblance to
bear oak
bear off
bear off the land
bear on
bear out
bear pack
bear panic
bear pig
bear pit
bear plum
bear pool
bear raid
bear reign
bear resemblance
bear sail
bear skeiters
bear the brunt
bear the cost
bear the expense
bear the market
bear the name of
bear the palm
bear to leeward
bear to port
bear to starboard
bear to windward
bear trap
bear up
bear up against
bear up for
bear up to
bear up under
bear upon
bear warden
bear whortleberry
bear with
bear with composure
bear witness
bear witness against
bear you company
bear young
bear your cross
bear yourself
bear yourself with credit
bear's-breech
bear's-ear
bear's-foot
bear's-foots
bear's-paw
bear-baiting
bear-lead
bear-leader
bear-trap dam
bear-tree
beard grass
beard lichen
beard moss
beard plant
beard the lion in his den
beard tree
bearded darnel
bearded lizard
bearded tit
bearded vulture
bearding line
bearding machine
bearer bar
bearer bond
bearer certificate
bearer of glad tidings
bearer plate
bearer security
bearer-off
bearing arms
bearing arrow
bearing bar
bearing block
bearing bow
bearing brass
bearing bronze
bearing cloth
bearing door
bearing gear
bearing in mind
bearing metal
bearing neck
beat hollow
beat into
beat into your head
beat it
beat man
beat note
beat off
beat one
beat out
beat pin
beat poet
beat reception
beat signal
beat the Dutch
beat the air
beat the bounds
beat the bushes
beat the drum
beat the drum for
beat the drums
beat the game
beat the gums
beat the rap
beat the shit out of
beat the system
beat the tar out of
beat time
beat to a jelly
beat to the draw
beat to windward
beat tone
beat up
beat up against
beat your brains
beat your brains out
beat your breast
beat your gums
beat your swords into plowshares
beat your way
beat-beat
beat-frequency oscillator
beat-up
beaten biscuit
beaten egg
beaten path
beaten proof
beaten track
beaten up
beaten work
beater press
beater-out
beater-up
beaters-up
beatific vision
beatified soul
beating heart
beating machine
beating orders
beating reed
beating-up
beatrix antelope
beau brummell
beau garcon
beau geste
beau ideal
beau ideals
beau monde
beau sabreur
beau-ideal
beau-idealize
beau-monde
beau-pleader
beau-pot
beaufort scale
beaumont root
beaus ideal
beautiful friendship
beautiful man
beautiful people
beautiful person
beautiful thing
beautiful woman
beauty bush
beauty contest
beauty contest winner
beauty culture
beauty culturist
beauty of holiness
beauty parlor
beauty pin
beauty plaster
beauty queen
beauty salon
beauty shop
beauty sleep
beauty spot
beauty treatment
beauty unadorned
beauty wash
beauty-beaming
beauty-berry
beauty-blind
beauty-blooming
beauty-blushing
beauty-breathing
beauty-bright
beauty-bush
beauty-clad
beauty-fruit
beauty-loving
beauty-parlor chitchat
beauty-proof
beauty-waning
beaux arts
beaux esprits
beaux gestes
beaux ideal
beaux yeux
beaux-arts
beaux-esprits
beaver board
beaver brown
beaver cloth
beaver dam
beaver eater
beaver finish
beaver lily
beaver poison
beaver rat
beaver stones
beaver top
beaver tree
beaver-tree
beavertail beam
beavertail reflector
beazor nuts
bec et ongles
because of
because of that
because of this
bechamel sauce
beche-de-mer
beche-le-mar
beck and call
becket bend
becket knot
becking hammerman
beckoning crab
become a habit
become a member
become acquainted with
become adept in
become airborne
become alive to
become an appendage of
become an individual
become angry
become attached to
become awake to
become aware of
become bankrupt
become bound to
become conscious of
become conversant with
become defunct
become disordered
become enamored
become engaged
become excited
become exhausted
become extinct
become familiar with
become fashionable
become fixed
become higher
become informed
become insolvent
become known
become larger
become lost to sight
become manifest
become nervous
become obsolete
become of
become old
become one
become overweight
become popular
become public
become pulverized
become red
become shallow
become sick
become sponsor for
become suicidal
become the rage
become unintoxicated
become versed in
become visible
become void
become weak
become well-versed in
becquerel ray
becuiba fat
bed ale
bed and board
bed and breakfast
bed bolt
bed chair
bed check
bed curtain
bed down
bed fuel
bed head
bed hinge
bed in
bed jacket
bed joint
bed lamp
bed lathe
bed light
bed linen
bed maker
bed mold
bed molding
bed moulding
bed of Procrustes
bed of roses
bed on
bed pad
bed piece
bed place
bed plane
bed reach
bed rest
bed rot
bed sandwort
bed sheet
bed shoes
bed slat
bed sore
bed steps
bed stone
bed tea
bed timber
bed tray
bed vein
bed wagon
bed warmer
bed-clothes
bed-davenport
bed-fere
bed-head
bed-maker
bed-sitter
bed-sitting room
bed-sitting-room
bed-wetting
bedbug hunter
bedda nut
bedding block
bedding course
bedding fault
bedding plane
bedding plant
beddy-bye
bedford cord
bedlam beggar
bedlam cowslip
bedlington terrier
bedridden invalid
bedrock valley
bedroom eyes
bedroom slipper
bedroom suburb
bedside manner
bedsitting room
bedspring type
bedstead fitter
bedstead wrench
bedstraw bellflower
bedtime prayer
bedtime story
bee balm
bee beetle
bee bird
bee block
bee brush
bee candy
bee cellar
bee culture
bee eater
bee escape
bee feed
bee fly
bee glue
bee gum
bee hawk
bee in the bonnet
bee in the head
bee in your bonnet
bee killer
bee kite
bee larkspur
bee laurel
bee louse
bee martin
bee milk
bee moth
bee nettle
bee orchid
bee orchis
bee plant
bee sage
bee scap
bee smoker
bee space
bee tree
bee wine
bee wolf
bee's knees
bee-butt
bee-eater
bee-headed
bee-loud
beech agaric
beech cherry
beech coal
beech family
beech fern
beech leaf snake
beech marten
beech mast
beech oil
beech tree
beech wheat
beech-green
beech-seedling mildew
beechnut oil
beechwood creosote
beef Bourguignon
beef Bourguignonne
beef Wellington
beef apple
beef bouillon
beef bread
beef cattle
beef dodger
beef extract
beef ham
beef juice
beef marrow
beef road
beef stearin
beef stroganoff
beef tallow
beef tea
beef up
beef's blood
beef-brained
beef-eating
beef-faced
beef-steak
beef-suet tree
beef-witted
beef-wittedly
beef-wittedness
beef-wood
beefed-up
beefing-up
beefsteak begonia
beefsteak fungus
beefsteak geranium
beefsteak plant
beefsteak saxifrage
beefwood family
beehive coke
beehive house
beehive kiln
beehive oven
beehive shelf
beehive tomb
beehive-shaped
beena marriage
beer and skittles
beer barrel
beer bottle
beer bottler
beer brewer
beer cellar
beer chiller
beer drinker
beer engine
beer fall
beer gallon
beer garden
beer glass
beer grains
beer hall
beer heart
beer keg
beer maker
beer money
beer mug
beer parlor
beer pump
beer scale
beer stone
beer vat
beer vinegar
beer yeast
beer-up
bees and honey
bees-wax
beeswax flint
beet army worm
beet blight
beet blocker
beet greens
beet harvester
beet heart rot
beet leafhopper
beet lifter
beet puller
beet root
beet rot
beet scab
beet sugar
beet webworm
beet-red
beetle brow
beetle over
beetle-browed
beetle-crusher
beetle-green
beetle-headed
beetling machine
befit the occasion
befit the season
befit the time
before Christ
before all
before an audience
before everything
before its time
before long
before noon
before now
before one
before the Christian Era
before the Common Era
before the Fall
before the Flood
before the bar
before the bench
before the court
before the fact
before the footlights
before the house
before the judge
before the mast
before the war
before the wind
before your eyes
before your face
before your time
before your very eyes
before-cited
before-created
before-delivered
before-going
before-known
before-mentioned
before-named
before-noticed
before-recited
before-said
before-tasted
before-thought
before-told
before-warned
before-written
beg a truce
beg for mercy
beg for your life
beg forgiveness
beg indulgence
beg leave
beg leave to doubt
beg off
beg pardon
beg the ear of
beg the question
beg to differ
beg, borrow, or steal
beggar boy
beggar brushes
beggar description
beggar girl
beggar maid
beggar's chicken
beggar's-lice
beggar's-tick
beggar's-ticks
beggar-lice
beggar-my-neighbor
beggar-my-neighbour
beggar-patched
beggar-tick
beggar-ticks
beggarly fellow
begging hermit
begging hermits
begging the question
begin again
begin to
beginner's luck
beginning and end
beginning of the end
begonia family
begonia rose
beguile of
beguile out of
beguile the time
behave ill
behave self-destructively
behave toward
behave yourself
behavior modification
behavior pattern
behavior psychology
behavior therapist
behavior therapy
behavioral norm
behavioral science
behavioral scientist
behavioristic psychology
behaviour therapy
behavioural science
behen oil
behenic acid
behenolic acid
behind bars
behind closed doors
behind the curtain
behind the eight ball
behind the eightball
behind the scenes
behind the times
behind the veil
behind the veil of secrecy
behind time
behind your back
behind your defenses
behind-the-scenes influence
behind-the-scenes operator
behind-the-scenes pressure
beholden to
beignet aux pommes
being ahead
being alive
being as how
being at rest
being brought to bed
being done
being here
being there
being uninteresting
bel canto
bel esprit
bel-accoil
bel-esprit
belay that
belay there
belaying cleat
belaying pin
belgian hare
believe
believe anything
believe at the drop of a hat
believe in
believe without reservation
belittle yourself
bell animalcule
bell arch
bell beaker
bell book
bell borer
bell buoy
bell button
bell cage
bell canopy
bell captain
bell caster
bell casting
bell chasuble
bell chime
bell chuck
bell cord
bell cot
bell cote
bell cow
bell crank
bell crater
bell deck
bell founder
bell founding
bell frog
bell gable
bell gamba
bell glass
bell harp
bell heather
bell horse
bell jar
bell kite
bell ling
bell loft
bell magpie
bell maker
bell mare
bell metal
bell moth
bell olive tree
bell pepperell polypell pullell punchell pushell ringerell ringingell ropeell saltell scraperell screwell seatell sheepell tentell the catell thistleell toadell towerell transformerell trapell treeell vineell whistleell wireell-alarm switchell-bearerell-birdell-bottomell-bottomedell-bottomsell-crankedell-crownedell-facedell-flowerell-floweredell-hanger's bitell-hoodedell-houseell-lessell-likeell-magpieell-metalell-metal oreell-mouthedell-nosedell-ringerell-shapedell-tongue
bell-up
bell-wether
belladonna lily
belladonna ointment
belle epoque
belle poque
belle tournure
belles lettres
belles-lettres
bellflower family
belli causa
bellow like a bull
bellow out
bells blower
bells boy
bells engine
bells fish
bells maker
bells mender
bells pneumatic
bells treader
bells of Ireland
belly ache
belly board
belly brace
belly buster
belly button
belly dance
belly dancer
belly dancing
belly doublet
belly flop
belly flopper
belly friend
belly gunner
belly guy
belly landing
belly laugh
belly offal
belly out
belly rail
belly roll
belly stay
belly tank
belly truss
belly whoop
belly whopper
belly worshiper
belly-band
belly-beaten
belly-blind
belly-bound
belly-bumper
belly-cheer
belly-devout
belly-fed
belly-flop
belly-flopped
belly-flopping
belly-ful
belly-god
belly-gulled
belly-gun
belly-helve
belly-laden
belly-land
belly-landing
belly-naked
belly-piece
belly-pinched
belly-proud
belly-sprung
belly-timber
belly-wash
belly-whop
belly-whopped
belly-whopping
belly-worshiping
belong to
belong to by nature
belong to the past
beloved object
below contempt
below deck
below par
below stairs
below standard
below the belt
below the limen of hearing
below the line
below the mark
below the salt
below the threshold of hearing
below zero
belt awl
belt carrier
bench clamp
bench dog
bench drill
bench hardening
bench holdfast
bench hook
bench jockey
bench key
bench knife
bench lathe
bench mark
bench plane
bench press
bench root
bench scales
bench screw
bench show
bench stamper
bench stop
bench strip
bench table
bench terrace
bench test
bench tester
bench warmer
bench warrant
bench winder
bench-hardened
bench-kneed
bench-legged
bench-made
bench-mark
bench-warmer
benching iron
bend an ear
bend an ear to
bend attention to
bend back
bend dexter
bend leather
bend might and main
bend over
bend over backward
bend over backwards
bend pipe
bend sinister
bend the elbow
bend the eyes
bend the head
bend the knee
bend the knee to
bend the mind
bend the mind to
bend the mind upon
bend the neck
bend the thoughts to
bend the truth
bend to
bend to your will
bend to your yoke
bend your course
bend your ear
bend your effort
bend your steps
bend your steps for
bend your steps to
bending moment
bending press
bending punch
bending shackle
bending the knee
bending works
bends, the
bendy tree
bendy-wavy
bene vale
beneath contempt
beneath notice
beneath one
beneath the sky
beneath the sod
beneath your dignity
beneath your station
benefice-holder
beneficial interest
beneficiary heir
benefit association
benefit club
benefit from
benefit of clergy
benefit performance
benefit society
benefits forgot
benevolent despotism
benevolent disposition
bengal light
benzoyl radical
benzyl acetate
benzyl alcohol
benzyl benzoate
benzyl bromide
benzyl butyrate
benzyl chloride
benzyl cyanide
benzyl dichloride
benzyl fluoride
benzyl fumarate
benzyl group
benzyl isoamyl ether
benzyl radical
benzyl succinate
benzyl thiocyanate
benzylidene acetone
benzylidene chloride
berberine tree
berberonic acid
berbice chair
bereave of life
bereaved of
bereft of
bereft of life
bereft of light
bereft of reason
berenice's hair
berg adder
berg crystal
berg ice
berg till
berg wind
bergamot camphor
bergamot mint
bergamot oil
bergamot orange
bergy bit
beriberi heart
bering time
berlin eye
berlin head
berlin wool
berlin-landaulet
berline-landaulet
bermuda grass
bermuda rig
bermuda shorts
bernese mountain dog
bernicle goose
berry alder
berry cone
berry ladle
berry patch
berry pepper
berry pie
berry spoon
berry tree
berry-bearing
berry-brown
berry-formed
berry-on-bone
berry-shaped
berrybone fish
berth cargo
berth deck
bertillon system
beryl blue
beryl green
beryl-blue
beryl-green
beryllium bronze
beryllium copper
beryllium oxide
bes antler
bes-
besantler
beset with danger
besetting sin
beside the mark
beside the point
beside the question
beside yourself
beside yourself with joy
besom moss
bessemer converter
bessemer process
best bet
best bib and tucker
best bower
best clothes
best end
best friend
best girl
best love
best man
best part
best people
best regards
best room
best seller
best type
best wishes
best, the
best-able
best-abused
best-accomplished
best-agreeable
best-armed
best-ball
best-ball foursome
best-ball match
best-beloved
best-bred
best-built
best-clad
best-conditioned
best-conducted
best-considered
best-consulted
best-cultivated
best-dressed
best-established
best-esteemed
best-formed
best-graced
best-grounded
best-hated
best-humored
best-informed
best-intentioned
best-known
best-laid
best-learned
best-liked
best-loved
best-made
best-managed
best-meaning
best-meant
best-minded
best-natured
best-nourishing
best-paid
best-paying
best-pleasing
best-preserved
best-principled
best-read
best-resolved
best-selling
best-sighted
best-skilled
best-tempered
best-trained
bestir yourself
bestow consideration upon
bestow honor upon
bestow on
bestow thought upon
bestow your affections on
bestow your hand upon
bet against
bet on
bet upon
bet your boots
bet your bottom dollar
bet your bottom dollar on
beta brass
beta decay
beta function
beta globulin
beta iron
beta particle
beta radiation
beta radiator
beta ray
beta rhythm
beta test
beta transformation
beta-amylase
beta-eucaine
beta-glucose
beta-indoleacetic acid
beta-naphthol
beta-naphthyl
beta-naphthyl benzoate
beta-naphthyl group
beta-naphthyl radical
beta-naphthyl salicylate
beta-naphthylamine
beta-orcin
beta-orcinol
beta-ray spectrograph
beta-ray spectrometer
betake yourself
betake yourself to
bete noire
betel nut
betel palm
betel pepper
betel phenol
bethink yourself
bethink yourself of
betray a confidence
betray itself
betray yourself
betrayed hope
better days
better for
better half
better off
better part
better self
better sort
better than nothing
better thoughts
better world
better yourself
better-advised
better-affected
better-balanced
better-becoming
better-behaved
better-born
better-bred
better-considered
better-disposed
better-dressed
better-humored
better-informed
better-knowing
better-known
better-liked
better-liking
better-meant
better-natured
better-omened
better-principled
better-regulated
better-seasoned
better-taught
better-witted
betterment tax
betting house
betting machine
betting parlor
betting ring
betting shop
betting system
betula camphor
betula oil
between Scylla and Charybdis
between acts
between brain
between decks
between halves
between now and then
between ourselves
between periods
between the hammer and the anvil
between the lines
between the teeth
between two fires
between two stools
between us
between wind and water
between you
between you and me
between your teeth
between-deck
between-decks
between-maid
between-whiles
betwixt and between
betwixt sleep and waking
beurre blanc
beurre fondu
beurre noir
bevel bearing
bevel edge
bevel gauge
bevel gear
bevel gearing
bevel joint
bevel pinion
bevel protractor
bevel siding
bevel square
bevel washer
bevel wheel
bevel-edged
bevel-faced hammer
beveling edge
beverage room
beyond a doubt
beyond a shade of doubt
beyond a shadow of doubt
beyond all bounds
beyond all expectation
beyond all limits
beyond all praise
beyond all question
beyond belief
beyond compare
beyond comparison
beyond control
beyond doubt
beyond expectation
beyond measure
beyond need
beyond one
beyond price
beyond question
beyond reach
beyond reason
beyond recall
beyond remedy
beyond seas
beyond the bounds
beyond the bounds of possibility
beyond the bounds of reason
beyond the call of duty
beyond the pale
beyond the shadow of a doubt
beyond understanding
beyond your ability
beyond your capacity
beyond your comprehension
beyond your control
beyond your depth
beyond your fondest dreams
beyond your means
beyond your power
beyond, the
bez antler
bez tine
bez-antler
bezoar antelope
bezoar goat
bezoar mineral
bezoar stone
bhut-bali
bi-
bi-bivalent
bi-guy
bi-iliac
bi-ischiadic
bi-ischiatic
bi-tri-
bialystok roll
bias binding
bias tire
bias your judgment
bib and brace
bib and tucker
bib nozzle
bib pout
bibble-babble
bible-christian
bible-clerk
biblico-
biblio-
bibliography of bibliographies
bicameral legislature
bicarbonate of soda
bice blue
bice green
bichloride of mercury
bichromate cell
bichromate filter
bick-iron
bicker over
bicolor lesspedeza
bicuspid valve
bicycle chain
bicycle clip
bicycle path
bicycle pump
bicycle race
bicycle racing
bicycle saddle
bicycle seat
bicycle-built-for-two
bicyclic terpene
bid Godspeed
bid a long farewell to
bid ale
bid at auction
bid bond
bid come
bid defiance
bid defiance to
bid euchre
bid fair
bid fair to
bid farewell
bid for
bid good day
bid good morning
bid good-bye
bid hello
bid in
bid prayer
bid price
bid time return
bid to combat
bid up
bid well
bid you welcome
bid-a-bid
bid-ale
bid-and-asked prices
biddery ware
bidding prayer
biddy-bid
biddy-biddy
bide the issue
bide your time
bidgee-widgee
biding place
bien cuit
bien entendu
bier right
bifurcation theory
big Chief
big Daddy
big White Chief
big as you please
big baby
big bag of wind
big band
big bang theory
big battalions
big bedbug
big ben
big bluestem
big boss
big boy
big brother
big bruiser
big bug
big business
big businessman
big casino
big cat
big cheese
big chief
big deal
big dipper
big drink
big drunk
big end
big game
big game hunter
big gun
big hand
big heart
big hit
big hook
big house
big idea
big laurel
big league
big lie
big man
big man on campus
big marigold
big mouth
big name
big noise
big operator
big person
big price tag
big screen
big shot
big sister
big skate
big smoke
big stick
big talk
big talker
big time
big toe
big top
big top, the
big tree
big wheel
big wind
big with child
big with meaning
big with young
big word
big-antlered
big-armed
big-bang theory
big-bearded
big-bellied
big-bodied
big-boned
big-bosomed
big-breasted
big-bulked
big-chested
big-city man
big-cone pine
big-cone spruce
big-eared
big-endian
big-eyed
big-footed
big-framed
big-gaited
big-handed
big-headed
big-hearted
big-hoofed
big-jawed
big-laden
big-leaf ivy
big-leaf laurel
big-leaf maple
big-league
big-leaguer
big-leaved
big-leaved magnolia
big-looking
big-mouthed
big-name
big-nosed
big-note
big-rich
big-souled
big-sounding
big-swollen
big-ticket
big-time
big-time operator
big-time spender
big-timer
big-voiced
big-waisted
bigeye scad
bigger half
biggest frog in the pond
bighorn sheep
biglip sucker
bigmouth buffalofish
bihar tree
biik tooling
bilateral symmetry
bile acid
bile cyst
bile duct
bile pigment
bile salt
bile vessel
bilge block
bilge board
bilge coad
bilge keel
bilge keelson
bilge log
bilge piece
bilge pump
bilge rail
bilge saw
bilge strake
bilge water
bilge ways
bilge well
bilge-hoop
bilge-keel
bilge-water
bili-
biliary calculus
biliment lace
bilinear form
bilinear transformation
bilingual dictionary
bilingual edition
bilingual text
bilious cholera
bill and coo
bill book
bill broker
bill case
bill clerk
bill collector
bill discounter
bill discounting
bill file
bill of account
bill of adventure
bill of attainder
bill of complaint
bill of draft
bill of entry
bill of exchange
bill of fare
bill of goods
bill of health
bill of indictment
bill of lading
bill of mortality
bill of particulars
bill of rights
bill of sale
bill-and-cooers
bill-broker
bill-hook
bill-like
bill-patched
bill-shaped
billet at
billet boy
billet breaker
billet car
billet chipper
billet cutter
billet heater
billet man
billet piler
billet rolls
billet wheeler
billet worker
billet-doux
billets-doux
billiard ball
billiard cloth
billiard cue
billiard green
billiard match
billiard parlor
billiard player
billiard room
billiard table
billing and cooing
billing machine
billion-dollar grass
billow cloud
billowy cloud
billy check
billy club
billy fairplay
billy gar
billy gate
billy goat
billy owl
billy playfair
billy tea
billy-button
billy-goat
billy-goat weed
billycock hat
bimetallic balance
bimetallic strip
bin-
bin-burn
binary arithmetic
binary cell
binary code
binary digit
binary fission
binary form
binary notation
binary number
binary operation
binary opposition
binary scale
binary star
binary system
binary-coded decimal
binary-coded decimal system
binaural broadcasting
binaural system
bind day
bind off
bind over
bind rail
bind up
bind yourself to
bind-days
binder board
binder course
binder pulley
binder twine
binder's board
binder's cloth
binder's title
bindi-eye
binding agreement
binding arbitration
binding course
binding edge
binding energy
binding off
binding over
binding post
binding rafter
binding receipt
binding screw
binding stone
binding strake
binding tape
binding twine
bindle stiff
bindweed nightshade
binet-simon scale
binnacle list
binocular fusion
binocular microscope
binodal quartic
binomial coefficient
binomial distribution
binomial name
binomial nomenclature
binomial series
binomial theorem
bio-
bio-aeration
bio-assay
bio-economic
bio-electric
bio-electrogenesis
bio-energetics
bio-osmotic
bio-osmotic
biochemical oxygen demand
biographical dictionary
biographical material
biographical records
biographical sketch
biological adjustive reactions
biological classification
biological clock
biological control
biological death
biological diagnosis
biological evolution
biological method
biological oxygen demand
biological product
biological science
biological sociology
biological species
biological stain
biological supplies
biological taxonomy
biological urge
biological vector
biological warfare
biological weapons
biotic potential
bipartisan policy
biphenyl rearrangement
birch beech
birch beer
birch borer
birch camphor
birch family
birch oil
birch partridge
birch skeletonizer
birch wine
birch-bark call
birch-bark oil
birch-leaf mahogany
birch-leaf skeletonizer
birch-tar oil
bird augury
bird bell
bird bolt
bird brier
bird cactus
bird cage
bird call
bird cherry
bird colonel
bird dog
bird duffer
bird eagles
bird eye
bird fancier
bird flower
bird fly
bird font
bird food
bird grape
bird grass
bird group
bird in hand
bird in the hand
bird knotgrass
bird life
bird louse
bird malaria
bird mite
bird net
bird of Jove
bird of Juno
bird of Minerva
bird of another feather
bird of ill omen
bird of night
bird of paradise
bird of passage
bird of peace
bird of prey
bird pepper
bird pest
bird plant
bird pox
bird preserver
bird rattle
bird refuge
bird sanctuary
bird seed
bird shop
bird shot
bird skin
bird snake
bird song
bird sound
bird spider
bird strike
bird stuffer
bird table
bird thistle
bird tick
bird vetch
bird watcher
bird whistle
bird young
bird's beak
bird's egg
bird's mouth
bird's nest
bird's nest soup
bird's-eye
bird's-eye maple
bird's-eye primrose
bird's-eye view
bird's-eyes
bird's-foot
bird's-foot fern
bird's-foot trefoil
bird's-foot violet
bird's-feet
bird's-nest
bird's-nest fern
bird's-nest fungus
bird's-nest orchid
bird's-nest soup
bird-batting
bird-brained
bird-cage
bird-dog
bird-dogged
bird-dogging
bird-egg pea
bird-eyed
bird-faced
bird-fingered
bird-foot
bird-feet
bird-in-the-bush
bird-lime
bird-nest
bird-nesting
bird-of-paradise bush
bird-of-paradise flower
bird-ridden
bird-voiced tree frog
bird-watch
bird-watcher
bird-witted
birdcage clock
birding piece
birds of a feather
birds-in-the-bush
birdseed grass
birdseed rape
birth canal
birth certificate
birth control
birth control device
birth control pill
birth controller
birth date
birth defect
birth flower
birth gift
birth hour
birth month
birth name
birth pain
birth palsy
birth pang
birth pangs
birth phantasy
birth rate
birth sin
birth theory
birth throe
birth throes
birth trauma
birth year
birth-control pill
birthday cake
birthday gift
birthday present
birthday suit
birthday wort family
bis-
biscuit bag
biscuit baker
biscuit baking
biscuit beetle
biscuit box
biscuit china
biscuit clay
biscuit cutter
biscuit drawer
biscuit fire
biscuit fireman
biscuit firing
biscuit kilnman
biscuit leaves
biscuit oven
biscuit painter
biscuit pan
biscuit plant
biscuit porcelain
biscuit pottery
biscuit tortoni
biscuit ware
biscuit warehouse
biscuit weevil
biscuit worm
biscuit-brained
biscuit-colored
biscuit-fired
biscuit-shaped
bisecting compass
bisecting dividers
bishop bird
bishop coadjutor
bishop cotton
bishop pine
bishop ray
bishop sleeve
bishop stool
bishop suffragan
bishop's mitre
bishop's palace
bishop's purple
bishop's ring
bishop's weed
bishop's-cap
bishop's-weed
bismuth blende
bismuth chromate
bismuth glance
bismuth ocher
bismuth oxychloride
bismuth oxynitrate
bismuth spar
bismuth subchloride
bismuth subnitrate
bismuth tribromphenate
bismuth white
bismuth yellow
bismuthyl chloride
bissextille day
bissextille year
bistable circuit
bister green
bit by bit
bit gauge
bit key
bit much, a
bit of your mind
bit part
bit pincers
bit player
bit stop
bit, a
bit-by-bit
bit-weight control
bit-wise
bitch box
bitch chain
bitch goddess
bitch up
bitch-kitty
bitched up
bite back
bite in
bite off more than you can chew
bite plate
bite the bullet
bite the dust
bite the hand that feeds one
bite the hand that feeds you
bite the thumb at
bite the tongue
bite your head off
bite your lip
bite your nails
bite your nose off
bite your tongue
bite-sheep
bite-tongue
biting angle
biting housefly
biting louse
biting midge
biting wind
biting your nails
bito tree
bitt pin
bitten-leaf disease
bitter almond
bitter almond oil
bitter apple
bitter as gall
bitter cassava
bitter chocolate
bitter cold
bitter cress
bitter cup
bitter defeat
bitter disappointment
bitter dock
bitter draft
bitter draught
bitter end
bitter enemy
bitter feeling
bitter herb
bitter lake
bitter lemon
bitter orange
bitter pill
bitter principle
bitter resentment
bitter rot
bitter weather
bitter wood
bitter words
bitter-
bitter-almond oil
bitter-biting
bitter-end
bitter-ender
bitter-enderism
bitter-endism
bitter-orange oil
bitter-rinded
bitter-sweet
bitter-sweeting
bitter-tasting
bitter-tongued
bitterly cold
bitterly disappointed
bitterness of spirit
bitumen process
bituminous coal
bituminous macadam
biuret reaction
biuret test
bivalvate Biology
biw-
blab out
blab school
black Angus
black Minorca
black Orpington
black Spanish
black Sumatra
black acacia
black alder
black and blue
black and tan
black and white
black ant
black arm
black art
black art, the
black as a crow
black as coal
black as ebony
black as ink
black as midnight
black as night
black as pitch
black balsam
black basaltes
black bass
black bead
black bean
black bear
black beast
black beetle
black belt
black bent
black bile
black bindweed
black blizzard
black board
black body
black book
black bottom
black box
black brant
black bread
black bryony
black buck
black buffalo
black buran
black butter
black calla
black cap
black carpet beetle
black cat
black chaff
black cherry
black chokeberry
black clouds
black cod
black cohoosh
black comedy
black copper
black cosmos
black crappie
black currant
black death
black despondency
black diamond
black diamonds
black disease
black dog
black drop
black duck
black durgon
black earth
black eye
black face
black face Highland
black fever
black fish
black flag
black flux
black fly
black fog
black foot
black fox
black friar
black frost
black game
black gang
black ghetto
black gnat
black gold
black gown
black gram
black grouse
black guillemot
black gum
black hand
black haw
black heat
black hellebore
black henbane
black hole
black horehound
black huckleberry
black humor
black ice
black ink
black ivory
black jack
black kite
black knot
black lead
black letter
black light
black liquor
black list
black locust
black look
black looks
black lung
black magic
black mail
black man
black maple
black margate
black maria
black mark
black mark to
black market
black marketeer
black marketer
black marten
black mass
black measles
black medic
black medick
black mercuric sulfide
black mold
black molly
black monday
black monk
black moor
black mould
black mulberry
black mustard
black nickel oxide
black nightshade
black nob
black oak
black opal
black or white
black out
black paternoster
black pepper
black perch
black pewter
black pit
black plague
black poplar
black powder
black power
black prince
black pudding
black quarter
black race
black raspberry
black rat
black ring
black rod
black root rot
black rot
black rudderfish
black ruff
black rust
black sable
black sage
black salts
black saltwort
black sand
black sap
black scoter
black sea bass
black selenium
black shank
black sheep
black skimmer
black snake
black snakeroot
black soap
black spot
black spruce
black squall
black squirrel
black stem
black stick
black storm
black studies
black stuff
black stump
black sucker
black supremacy
black swallowtail
black swan
black tea
black tie
black titi
black tracker
black treacle
black turnstone
black velvet
black vomit
black vote
black vulture
black walnut
black wash
black wattle
black whale
black widow
black widow spider
black witch
black-a-viced
black-a-visaged
black-a-vised
black-and-blue
black-and-blue mark
black-and-tan
black-and-tan terrier
black-and-white
black-and-white film
black-and-white photograph
black-and-white television
black-aproned
black-back flounder
black-backed
black-backed gull
black-ball
black-banded
black-bark pine
black-bearded
black-bellied
black-bellied plover
black-belt
black-berried
black-billed
black-billed cuckoo
black-billed magpie
black-blooded
black-blue
black-bodied
black-boding
black-bordered
black-boughed
black-breasted
black-browed
black-brown
black-bulb thermometer
black-bundle disease
black-capped
black-capped chickadee
black-chinned
black-clad
black-coat worker
black-coated
black-colored
black-cornered
black-crested
black-crowned
black-currant rust
black-earred
black-ears
black-edged
black-eye bean
black-eye sunfish
black-eyed
black-eyed Susan
black-eyed pea
black-eyed susan
black-faced
black-favored
black-feathered
black-figure
black-figured
black-fin snapper
black-footed
black-footed ferret
black-fruited
black-gowned
black-hafted
black-haired
black-head
black-headed
black-headed fireworm
black-headed gull
black-hearted
black-hilted
black-hole
black-hooded
black-hoofed
black-leg
black-legged
black-letter
black-letter day
black-lidded
black-lipped
black-locked
black-looking
black-maned
black-margined
black-market
black-marketeer
black-mouth
black-mouthed
black-neb
black-necked
black-necked stork
black-nosed
black-out
black-peopled
black-plumed
black-pot
black-red
black-robbed
black-rooted
black-sander
black-shouldered
black-skinned
black-snake
black-spot canker
black-spotted
black-stoled
black-tail
black-tailed
black-tailed deer
black-thorn
black-throated
black-tie
black-toed
black-tongued
black-tressed
black-tufted
black-varnish tree
black-veiled
black-visaged
black-wash
black-whiskered
black-wood
blackback flounder
blackbanded sunfish
blackbelly rosefish
blackberry bark
blackberry lily
blackberry token
blackberry wine
blackbird bindweed
blackboy gum
blackcrowned night heron
blacken your good name
blacken than black synchronizing
blackest dye
blackfin cisco
blackfish oil
blackhead Persian
blackhead disease
blackhead grass
blackhead minnow
blackheart plover
blackjack oak
blackjack pine
blackland plow
blackout skit
blackpoll warbler
blacksmith shop
blacksmith welding
blacksmith's hammer
blacksmith's shop
blackstrap molasses
blacktail deer
blackwall hitch
blackwater fever
blad apple
bladder campion
bladder catchfly
bladder cherry
bladder fern
bladder fucus
bladder green
bladder herb
bladder kelp
bladder ketmia
bladder ketmie
bladder plum
bladder sedge
bladder senna
bladder snout
bladder tangle
bladder tree
bladder worm
bladder wrack
bladdernut family
bladderwort family
blade angle
blade apple
blade buffer
blade grader
blade harrow
blade roast
blade-point
blah feeling
blah-blah
blame for
blame on
blame upon
blame yourself
blame-shifting
blanc d'Espagne
blanc d'argent
blanc de blancs
blanc de fard
blanc de noirs
blanc fixe
blanch farm
blanch over
blanched almonds
blanco perch
bland diet
blank cartridge
blank check
blank cheque
blank despondency
blank determination
blank endorsement
blank flange
blank future
blank mind
blank out
blank shell
blank verse
blank wall
blank-eyed
blank-looking
blank-minded
blanket alga
blanket ballot
blanket binder
blanket binding
blanket chest
blanket cloth
blanket deposit
blanket drill
blanket fish
blanket holder
blanket leaf
blanket maker
blanket mortgage
blanket moss
blanket policy
blanket rate
blanket roll
blanket scum
blanket sheet
blanket stiff
blanket stitch
blanket washer
blanket weaver
blanket weaving
blanket-flower
blanket-stitch
blankety blank
blankety-blank
blanking amplifier
blanking die
blanking press
blanking punch
blanking signal
blanquette de veau
blare abroad
blare forth
blarney stone
blast away
blast bloomery
blast engine
blast fan
blast freezing
blast furnace
blast lamp
blast neurosis
blast off
blast pipe
blast propulsion
blast roasting
blast the ear
blast wave
blast your hope
blast-
blast-borne
blast-freeze
blast-freezing
blast-frozen
blast-furnace
blast-off
blasted expectation
blasting cap
blasting cartridge
blasting circuit
blasting detonator
blasting fuse
blasting gelatin
blasting machine
blasting mat
blasting needle
blasting oil
blasting paper
blasting powder
blasting spoon
blasting tools
blasting tube
blasto-
blatti family
blaze a trail
blaze about
blaze abroad
blaze current
blaze of glory
blaze of light
blaze of temper
blaze the trail
blaze up
blazing fire
blazing light
blazing star
blazon about
blazon abroad
blazon forth
bleach liquor
bleach out
bleach process
bleach wax
bleached blond
bleached out
bleached white
bleached-blond
bleaching agent
bleaching clay
bleaching croft
bleaching earth
bleaching engine
bleaching field
bleaching green
bleaching ground
bleaching powder
bleaching substance
bleaching tank
bleak outlook
bleak prognosis
bleak prospect
bleak weather
blear the eyes of
blear-eyed
bleary-eyedness
blear-witted
bleary-eyed
bled white
bleed for
bleed nipple
bleed valve
bleed white
bleeder pipe
bleeder resistor
bleeder tile
bleeder's disease
bleeding disease
bleeding heart
bleeding-heart pigeon
bleeper Informal
blend in with
blend into
blend-word
blended whiskey
blending inheritance
blenno-
blennorrhagic arthritis
blephar-
blepharo-
bles mole
bles-bok
bless His holy name
bless my heart
bless out
bless the Lord
bless with
bless your stars
blessed event
blessed release
blessed sacrament
blessed thistle
blessed with
blessed with luck
bleu celeste
bleu cheese dressing
blight canker
blight your hope
blighted area
blighted hope
blighted neighborhood
blighted section
blighting glance
blind Chance
blind Justice
blind alley
blind and naked Ignorance
blind as a bat
blind as a mole
blind as an owl
blind bargain
blind bombing
blind casing
blind coal
blind copy
blind date
blind door
blind drunk
blind faith
blind fish
blind flange
blind flight
blind floor
blind flying
blind guess
blind gut
blind header
blind hookey
blind impulse
blind instinct
blind landing
blind leaders of the blind
blind man
blind man's buff
blind man's holiday
blind man's rule
blind man's watch
blind nailing
blind pig
blind poker
blind pool
blind rage
blind salamander
blind seed
blind side
blind snake
blind spot
blind spots
blind staggers
blind stamping
blind the eyes
blind tiger
blind to
blind tooling
blind trust
blind window
blind your eyes
blind yourself
blind yourself to
blind, the
blind-alley
blind-head
blind-loaded
blind-man's-buff
blind-nail
blind-nettle
blind-pigger
blind-pigging
blind-punch
blind-stamp
blind-stamped
blind-tool
blind-tooled
blind-worm
blind-your-eyes
blindfold chess
blindfolded Justice
blinding light
blindman's bluff
blindman's buff
blink aside
blink at
blink away
blink beer
blink comparator
blink microscope
blink-eyed
blinker lamp
blinker light
blinker tube
blinking light
blinking sort o' place
bliss body
blister beetle
blister blight
blister bush
blister canker
blister canopy
blister cone
blockhead board
blocking back
blocking condenser
blocking course
blocking drive
blocking hammer
blocking out
blocking press
blocking process
blocking the light
blond-haired
blond-headed
blonde lace
blood albumin
blood and thunder
blood bank
blood baptism
blood bath
blood blister
blood bond
blood bread
blood brother
blood brotherhood
blood carcake
blood cast
blood cell
blood clam
blood clot
blood corpuscle
blood count
blood covenant
blood crisis
blood crystals
blood culture
blood cup
blood disease
blood diseases
blood disk
blood dock
blood donor
blood donor center
blood dust
blood feud
blood fine
blood flour
blood fluke
blood geranium
blood gill
blood gland
blood glue
blood groove
blood group
blood grouping
blood guilt
blood heat
blood horse
blood islands
blood knot
blood lily
blood lust
blood mare
blood meal
blood mole
blood money
blood orange
blood pheasant
blood picture
blood pink
blood plant
blood plasma
blood platelet
blood plum
blood poisoning
blood pressure
blood pudding
blood purge
blood rain
blood red
blood refiner
blood relation
blood relationship
blood relative
blood revenge
blood rite
blood royal
blood sacrifice
blood sausage
blood seller
blood serum
blood sister
blood spavin
blood sport
blood spot
blood strain
blood stream
blood substitute
blood sugar
blood test
blood ties
blood transfusion
blood tree
blood type
blood typing
blood vengeance
blood vessel
blood vine
blood-albumin glue
blood-and-guts
blood-and-thunder
blood-bedabbled
blood-bespotted
blood-besprinkled
blood-boltered
blood-bought
blood-cemented
blood-colored
blood-consuming
blood-defiled
blood-discolored
blood-drenched
blood-drop emlets
blood-drunk
blood-dyed
blood-extorting
blood-faced
blood-filled
blood-fired
blood-flecked
blood-frozen
blood-guilty
blood-gushing
blood-heat
blood-hot
blood-hued
blood-letter
blood-letting
blood-loving
blood-lye salt
blood-mad
blood-money
blood-plashed
blood-polluted
blood-polluting
blood-raw
blood-red
blood-relation
blood-root
blood-scrawled
blood-shaken
blood-shot
blood-shotten
blood-sized
blood-spattered
blood-spavin
blood-stain
blood-stirring
blood-stirringness
blood-stone
blood-strange
blood-suck
blood-sucker
blood-swelled
blood-swoln
blood-tinctured
blood-type
blood-vascular
blood-vessel
blood-warm
blood-wite
blood-won
blood-worm
blood-wort
bloodless operation
bloodless revolution
bloodless surgery
bloodwort family
bloody butchers
bloody flux
bloody hands
bloody mary
bloody mess
bloody murder
bloody noun
bloody shirt
bloody your hands with
bloody-back
bloody-bones
bloody-eyed
bloody-faced
bloody-handed
bloody-hearted
bloody-minded
bloody-mindedness
bloody-mouthed
bloody-nosed
bloody-red
bloody-sceptered
bloody-veined
bloom boy
bloom bud
bloom conveyer
bloom cutter
bloom heater
bloom hook
bloom late
bloom loader
bloom mill
bloom oil
bloom poison
bloom runner
bloom saw
bloom shearer
bloom shears
bloom side
bloom slinger
bloom smithy
bloom swinger
bloom tongs
bloom yard
bloom-colored
bloom-fell
bloom-shearing
bloomer girl
bloomer pit
blooming mill
blooming oil
blooming rolls
bloomy-down
blossom blight
blossom bud
blossom withy
blossom-bearing
blossom-billed
blossom-bordered
blossom-crested
blossom-end rot
blossom-faced
blossom-headed
blossom-laden
blossom-nosed
blot in your escutcheon
blot in your scutcheon
blot on your escutcheon
blot on your scutcheon
blot out
blot out your sins
blot up
blotch printing
blotch-shaped
blotting book
blotting case
blotting out
blotting pad
blotting paper
blow a fuse
blow a gasket
blow a horn
blow a hurricane
blow a kiss
blow a safe
blow about
blow accordion
blow away
blow case
blow down
blow for blow
blow great guns
blow hard
blow hot and cold
blow in
blow into
blow it
blow job
blow me down
blow milk
blow mold
blow molding
blow moulding
blow off
blow off steam
blow off the lid
blow on
blow open
blow out
blow over
blow post
blow sky-high
blow snake
blow the bugle
blow the chance
blow the clarion
blow the coals
blow the horn
blow the lid off
blow the tank
blow the trumpet
blow the whistle
blow the whistle on
blow through
blow to
blow to bits
blow to kingdom come
blow to pieces
blow tube
blow up
blow up a storm
blow up the fire
blow upon
blow valve
blow wash
blow your brains out
blow your cool
blow your cover
blow your lines
blow your mind
blow your own horn
blow your own trumpet
blow your stack
blow your top
blow yourself to
blow-
blow-bies
blow-by
blow-by-blow
blow-dry
blow-fly
blow-hard
blow-hole
blow-in
blow-iron
blow-molded
blow-pipe
blow-through
blow-up
blow-wave
blower-up
blowing charge
blowing cylinder
blowing engine
blowing fan
blowing furnace
blowing hot and cold
blowing iron
blowing machine
blowing mold
blowing pipe
blowing tube
blowing up
blown glass
blown over
blown up
blown up out of all proportion
blown-in-the-bottle
blown-mold
blown-molded
blown-out
blown-up
blowout grass
blowout magnet
blowpipe analysis
blowpipe reaction
blubber cask
blubber chopper
blubber fork
blubber grass
blubber lamp
blubber oil
blubber ship
blubber spade
blubber stove
blubber-cheeked
blubber-fed
blue Andalusian
blue Johnnies
blue Monday
blue Orpington
blue alert
blue angel
blue asbestos
blue baby
blue bag
blue bed
blue bell
blue belt
blue bird
blue black
blue blazing star
blue blindness
blue blood
blue bloods
blue bonnet
blue book
blue bottle
blue buck
blue bull
blue butcher
blue cat
blue cheese
blue chip
blue chip stock
blue coat
blue cohosh
blue colors and pigments
blue comb
blue copperas
blue coral
blue crab
blue crane
blue curls
blue daisy
blue dandelion
blue darter
blue dawn-flower
blue devil
blue devils
blue dicks
blue dogwood
blue dyer
blue ensign
blue eye
blue false indigo
blue fish
blue flag
blue flash
blue fox
blue funk
blue gas
blue goose
blue gown
blue grama
blue grosbeak
blue ground
blue grouse
blue gum
blue heaven
blue huckleberry
blue in the face
blue iron earth
blue jasmine
blue jay
blue jeans
blue john
blue joke
blue language
blue law
blue laws
blue lily-turf
blue line
blue lips
blue lobelia
blue lotus
blue mangler
blue marguerite
blue marlin
blue mass
blue melilot
blue mill
blue mixer
blue mockingbird
blue mold
blue moon
blue mould
blue movie
blue mud
blue myrtle
blue note
blue ointment
blue onyx
blue pencil
blue penguin
blue peter
blue phlox
blue pickerel
blue pigeon
blue pike
blue pikeperch
blue pill
blue plate
blue point
blue pointer
blue powder
blue presser
blue pressman
blue racer
blue ribband
blue ribbon
blue rockfish
blue ruin
blue runner
blue shark
blue sheep
blue shift
blue sky
blue spirea
blue spruce
blue star grass
blue stellar object
blue stem
blue stone
blue story
blue streak
blue succory
blue thistle
blue tit
blue trucker
blue turquoise
blue velvet
blue verditer
blue vervain
blue vitriol
blue walleye
blue water
blue whale
blue with cold
blue wood aster
blue ynde
blue, the
blue-annealed
blue-aproned
blue-arc phenomenon
blue-backed
blue-banded
blue-bellied
blue-belt
blue-berried
blue-billed
blue-bird
blue-black
blue-blackness
blue-blind
blue-blooded
blue-blossom
blue-bloused
blue-bottle
blue-breasted
blue-breasted darter
blue-brick university
blue-cap
blue-checked
blue-cheeked
blue-chip
blue-coated
blue-collar
blue-collar worker
blue-colored
blue-crested
blue-cross
blue-cross gas
blue-cross shell
blue-curls
blue-devilage
blue-devilism
blue-eared
blue-eye
blue-eyed
blue-eyed Mary
blue-eyed boy
blue-eyed grass
blue-eyed soul
blue-faced
blue-fish
blue-flowered
blue-footed
blue-fronted
blue-glancing
blue-glimmering
blue-gray
blue-gray gnatcatcher
blue-green
blue-green alga
blue-green algae
blue-green flame
blue-gum leaves
blue-haired
blue-headed
blue-headed vireo
blue-hearts
blue-hot
blue-john
blue-leaved
blue-lined
blue-mantled
blue-molded
blue-molding
blue-mottled
blue-mouthed
blue-nose
blue-nosed
blue-pencil
blue-penciled
blue-penciling
blue-pencilled
blue-pencilling
blue-rayed
blue-red
blue-ribbon
blue-ribbon jury
blue-ribbon panel
blue-ribboner
blue-ribbonism
blue-ribbonist
blue-roan
blue-rolled
blue-sailors
blue-sighted
blue-sky
blue-sky law
blue-slate
blue-spotted
blue-stained
blue-starry
blue-stemmed
blue-stocking
blue-striped
blue-tailed
blue-throated
blue-tinted
blue-tongued
blue-veined
blue-washed
blue-water
blue-water school
blue-wattled
blue-white
blue-winged
blue-winged teal
blue-yellow
blue-yellow blindness
blue-yellow-blind
blueback mullet
blueback salmon
blueback trout
blueberry ash
blueberry cornel
blueberry maggot
blueberry root
blueberry tree
bluebottle fly
bluebrick university
bluecoat boys
bluecoat school
bluefin tuna
bluehead sucker
bluejack oak
blueprint paper
blues singer
blues song
bluethroat pikeblenny
bluewater sailor
bluff formation
bluff off
bluff-bowed
bluff-headed
bluish-green
blunder away
blunder into
blunder on
blunder upon
blunders round about a meaning
blunt-angled
blunt-edged
blunt-ended
blunt-faced
blunt-headed
blunt-leaved
blunt-lobed
blunt-nosed
blunt-pointed
blunt-spoken
blunt-witted
blur circle
blur distinctions
blurred speech
blurred vision
blurring the eyes
blurt out
blush rose
blush unseen
blush up to the eyes
blush-colored
blush-compelling
blush-faced
blush-suffused
blush-tinted
blushing bride
blushing honors
bluster and bluff
bluster into
bluster out of
bo tree
bo-peep
bo-tree
boa constrictor
boa-constrictor
boar dog
boar grunt
boar hunt
boar stag
boar thistle
boar tree
boar-fish
boar-hunting
board and batten
board and board
board and room
board chairman
board check
board chopper
board cloth
board combiner
board company
board cover
board fence
board foot
board game
board liner
board lot
board maker
board measure
board of aldermen
board of commissioners
board of directors
board of education
board of elections
board of estimate
board of health
board of regents
board of supervisors
board of trade
board of trustees
board of visitors
board rack
board room
board rubber
board rule
board scale
board school
board side
board wages
board work
board worker
board-and-roomer
board-and-shingle
board-school
board-wages
boader-up
boarding house
boarding nettings
boarding officer
boarding pike
boarding ramp
boarding school
boarding-out system
boards, the
boast of
boasting chisel
boat ax
boat bed
boat boy
boat bridge
boat bug
boat chock
boat club
boat crane
boat deck
boat drill
boat falls
boat hand
boat hire
boat hook
boat line
boat livery
boat nail
boat neck
boat neckline
boat pan
boat patch
boat people
boat race
boat seaplane
boat show
boat song
boat spike
boat steerer
boat train
boat truck
boat-bill
boat-billed heron
boat-fly
boat-green
boat-handler
boat-lowering
boat-race
boat-shaped
boat-tailed
boat-tailed grackle
boat-woman
boatswain bird
boatswain's call
boatswain's chair
boatswain's mate
boatswain's pipe
boatswain's stores
bob a curtsy
bob and wheel
bob down
bob for
bob runner
bob skate
bob skates
bob up
bob veal
bob wheel
bob wig
bob wire
bob-cherry
bob-haired
bob-sled
bob-tail
bob-white
bob-wig
bobbery pack
bobbin and fly frame
bobbin barreler
bobbin board
bobbin borer
bobbin boy
bobbin carrier
bobbin chucker
bobbin cleaner
bobbin filler
bobbin lace
bobbin maker
bobbin making
bobbin net
bobbin polisher
bobbin riveter
bobbin shifter
bobbin sinker
bobbin stripper
bobbin tester
bobbin tier
bobbin-net
bobby calf
bobby pin
bobby socks
bobby soxer
bobby-dazzler
bobby-socker
bobby-soxer
bobsy-die
bobtail drawbridge
bobtail flush
bobtail straight
bobtailed arrow
bobwhite quail
bock beer
bodd-
bodhi tree
bodice maker
bodies seven
bodily appetite
bodily charm
bodily comfort
bodily discharge
bodily grace
bodily love
bodily pleasure
bodily size
bodkin beard
body Brussels
body English
body and blood of Christ
body armor
body axis
body bag
body blight
body blow
body brace
body building
body cavity
body cell
body centrodex
body check
body cloth
body clothes
body clothing
body coat
body color
body colour
body constituent
body corporate
body count
body curer
body designer
body ease
body erector
body fat
body finisher
body fluid
body former
body forth
body garment
body girth
body gripper
body harness
body heat
body height
body ill
body image
body ironer
body language
body linen
body lining
body loop
body louse
body maker
body mounter
body odor
body of Christ
body of Christians
body of advisers
body of affiliates
body of evidence
body of ideas
body of knowledge
body of law
body of learning
body of retainers
body of the crime
body of theory
body of water
body pain
body physician
body pigment
body plague
body plan
body plasm
body politic
body post
body scent
body servant
body shirt
body shop
body slam
body slave
body snatcher
body snatchning
body stealing
body stocking
body suit
body surface
body track
body type
body varnish
body washer
body weight
body white
body whorl
body-breaking
body-build
body-centered
body-centred
body-guard
body-killing
body-line
body-line bowling
body-mind
body-snatching
boeuf a la bourguignonne
boeuf bourguignon
bofors gun
bog arum
bog asphodel
bog bean
bog bilberry
bog birch
bog blitter
bog blueberry
bog bull
bog bulrush
bog butter
bog cotton
bog cutting
bog deal
bog down
bog earth
bog featherfoil
bog fern
bog gale
bog garden
bog gentian
bog glede
bog grass
bog hay
bog hop
bog in
bog iron
bog iron ore
bog jumper
bog lemming
bog lime
bog manganese
bog mine
bog mold
bog moss
bog myrtle
bog nut
bog oak
bog onion
bog orchid
bog orchis
bog ore
bog peat
bog pimpernel
bog pine
bog pink
bog plant
bog rhubarb
bog rose
bog rosemary
bog rush
bog spavin
bog spruce
bog stalker
bog star
bog stitchwort
bog strawberry
bog timber
bog torch
bog trefoil
bog turf
bog violet
bog whortleberry
bog willow
bog-bred
bog-down
bog-eyed
bog-hoose
bog-iron ore
bog-rush
bog-trot
bog-trotter
bogey hole
bogey man
bogey-hole
boggle-dy-botch
bogie engine
bogie roll
bogus money
bohemian bob
bohemian brethren
bohr theory
bohun upas
boil away
boil down
boil off
boil over
boil smut
boil up
boil-off
boiled dinner
boiled dressing
boiled eggs
boiled meat
boiled oil
boiled shirt
boiled sweet
boiler alarm
boiler blower
boiler cleaner
boiler compound
boiler coverer
boiler factory
boiler fitter
boiler fixer
boiler flue
boiler head
boiler horsepower
boiler inspector
boiler iron
boiler plate
boiler room
boiler scale
boiler shell
boiler shop
boiler suit
boiler tenter
boiler tube
boiler tuber
boiler-cleaning
boiler-off
boiler-out
boiler-testing
boiler-washing
boilermaker's hammer
boiling chip
boiling over
boiling point
boiling process
boiling spring
boiling stone
boiling water
boiling-house
boiling-point constant
boiling-water reactor
bois de vache
bois-brl
boite de nuit
bok choy
bold as a lion
bold as brass
bold conjecture
bold face
bold front
bold hand
bold ignorance
bold imagination
bold relief
bold stroke
bold-beating
bold-face
bold-faced
bold-facedly
bold-facedness
bold-following
bold-looking
bold-minded
bold-spirited
boldo family
boletic acid
boll hull
boll rot
boll weevil
bollard timber
bollix up
bollixed up
bolly cotton
bolo punch
bolo-bolo
bologna sausage
bolster plate
bolster up
bolt action
bolt auger
bolt boat
bolt chisel
bolt down
bolt forger
bolt from the blue
bolt hole
bolt hook
bolt in
bolt knife
bolt maker
bolt of lightning
bolt out of the blue
bolt rope
bolt strake
bolt the door
bolt threader
bolt upright
bolt upsetter
bolt-action
bolt-action rifle
bolt-cutting
bolt-forging
bolt-head
bolt-hole
bolt-pointing
bolt-rope
bolt-shaped
bolt-threading
bolt-turning
bolter-down
bolter-up
bolters-down
bolters-up
bolting cloth
bolting house
bolting hutch
bolting tub
bolus alba
bomah nut
bomahnut oil
bomb bay
bomb calorimeter
bomb ketch
bomb lance
bomb out
bomb plane
bomb rack
bomb release
bomb run
bomb shelter
bomb site
bomb thrower
bomb tube
bomb vessel
bomb-ketch
bomb-proof
bomb-shell
bomb-throwing
bombajae palm
bombanassa palm
bombardier beetle
bombardment emission
bombardment rocket
bombardment squadron
bombardment weapons
bombastic person
bombay duck
bombe glacee
bomber jacket
bomber pilot
bombing locator
bombing machine
bombing mission
bombing run
bombing sap
bon ami
bon appetit
bon chretien
bon gre mal gre
bon jour
bon mot
bon soir
bon ton
bon vivant
bon viveur
bon voyage
bon-accord
bon-bon
bon-ton
bon-vivant
bona activa
bona fide
bona fide holder
bona fide purchaser
bona fideness
bona fides
bona roba
bona vacantia
bona-fide
bona-roba
bonace tree
bonaci arara
bonaci cardenal
bone grinder
bone heap
bone house
bone idle
bone jack
bone lace
bone meal
bone mill
bone of contention
bone of my bones
bone oil
bone pain
bone phosphate
bone pitch
bone plombe
bone polisher
bone porcelain
bone pot
bone precipitate
bone shark
bone sorter
bone spavin
bone spirit
bone tallow
bone tankage
bone tar
bone to pick
bone turquoise
bone up
bone waste
bone whale
bone white
bone yard
bone-ace
bone-breaking
bone-bred
bone-bruising
bone-carving
bone-chilling wind
bone-crushing
bone-dry
bone-dryness
bone-eater
bone-grinding
bone-hard
bone-idle
bone-lace
bone-laced
bone-lazy
bone-piercing
bone-rotting
bone-setter
bone-tired
bone-weary
bone-white
bone-wort
bonehead into it
bonehead play
bonehead trick
bongo drum
bonheur-du-jour
bonheurs-du-jour
bonne amie
bonne bouche
bonne foi
bonne nuit
bonnes amies
bonnes bouches
bonnet glass
bonnet gourd
bonnet grass
bonnet laird
bonnet limpet
bonnet macaque
bonnet monkey
bonnet pepper
bonnet piece
bonnet rouge
bonnet shark
bonnet shell
bonnet skate
bonnet top
bonnet-headed
bonnethead shark
bonnets rouges
bonny-clabber
bons amis
bons mots
bons vivants
bont tick
bonus issue
bonus system
bony fish
bony labyrinth
boo at
boo-boo
boo-boos
boob stunt
boob tube
booby gannet
booby hatch
booby hutch
booby prize
booby trap
booby-trap
booby-trapped
booby-trapping
boodle bag
boogie-woogie
book account
book agent
book burning
book canvasser
book card
book clamp
book clasp
book cloth
book club
book collecting
book collector
book corner
book cover
book credit
book debt
book end
book fair
book fell
book gill
book hand
book house
book in
book into
book inventory
book isinglass
book jacket
book knowledge
book learning
book list
book lore
book louse
book lung
book machine
book madness
book manufacturing
book match
book muslin
book name
book notice
book of account
book of common prayer
book of fate
book of hours
book of original entry
book of verse
book out
book packet
book palm
book part
book post
book postage
book printer
book printing
book production
book profit
book publisher
book publishing
book review
book reviewer
book reviewing
book salesman
book scorpion
book size
book society
book stamp
book stitcher
book support
book table
book tile
book token
book tray
book truck
book value
book wagon
book-case
book-craft
book-fed
book-fell
book-flat
book-folder
book-keeper
book-keeping
book-latin
book-leaf trachea
book-learned
book-learning
book-lined
book-lore
book-loving
book-maker
book-match
book-minded
book-plate
book-read
book-sewer
book-sewing
book-stealer
book-stitching
book-taught
book-ways
book-wing
book-wise
book-work
book-worm
booking agent
booking clerk
booking hall
booking office
bookish person
booklet leaf
booklet pane
books of account
bookstall keeper
boolean algebra
boom brace
boom foresail
boom hoist
boom iron
boom jigger
boom mainsail
boom pole
boom rat
boom sail
boom shot
boom stay
boom tackle
boom town
boom vang
boom yard
boom-and-bust
boom-ended
booming economy
booming market
boon companion
boon companionship
boon day
boon earth
boon loaf
boon work
boost your pay
booster amplifiers
booster battery
booster charge
booster dose
booster pump
booster rocket
booster rocket unit
booster shot
booster stations
booster unit
boot camp
boot cleaner
boot closer
boot cloth
boot crimp
boot dressing
boot hill
boot hook
boot ironer
boot maker
boot needle
boot out
boot polish
boot polisher
boot powder
boot socks
boot spur
boot stretcher
boot the
boot top
boot tree
boot-cleaning
boot-hale
boot-leg
boot-topping
booted and spurred
booting out
bootlace worm
bootle-blade
bootleg liquor
bootleg play
bootleg sucker
bootless errand
boots and all
boots and saddles
booze fighter
booze up
booze-up
bor-
borage family
borax bead
borax carmine
borax glass
borax honey
borax pentahydrate
borax usta
bord gate
bord-and-pillar
bord-land
bord-lode
bordeaux mixture
border ballads
border ground
border irrigation
border light
border line
border on
border pen
border service
border stone
border terrier
border upon
border world
border-land
bordering on
bordering upon
borderline case
bore bit
bore meal
bore out of all patience
bore out of your life
bore stiff
bore to death
bore to distraction
bore to extinction
bore to tears
boreal blast
bored stiff
bored to death
bored to extinction
bored to tears
boric acid
boring bar
boring block
boring head
boring journal
boring machine
boring mill
boring pain
boring person
boring rod
boring tool
boring tube
born again
born before your time
born days
born fool
born for
born in Poland
born leader
born on itself
born out of wedlock
born to the purple
born under a bad sign
born under a lucky star
born under an evil star
born within sound of Bow bells
born yesterday
borne out
borning day
bornyl acetate
bornyl alcohol
bornyl formate
bor- 
boron carbide
boron counter
boron nitride
borosilicic acid
borough council
borough english
borough reeve
borough-English
borough-english
borough-holder
borough-man
borough-master
borough-reeve
borough-town
borracha entrefina
borracha fina
borracha grossa
borrow pit
borrow the loan of
borrow trouble
borrowed plumes
borrowed stock
borrowed time
borrowed word
borrower's card
borrowing capacity
borrowing days
borrowing power
borsch circuit
borscht belt
borscht circuit
borstal boy
borstal institution
borstal school
boskop man
bosom bar
bosom buddy
bosom friend
bosom friendship
bosom ironer
bosom knee
bosom maker
bosom making
bosom piece
bosom plate
bosom staff
bosom-breathing
bosom-deep
bosom-felt
bosom-folded
bosom-stricken
boss cocky
boss plate
boss-eyed
bossa nova
boston bag
boston bull
boston cream pie
boston fern
boston ivy
boston terrier
botanical garden
botanical
botany bay
botched writing
botched-up
both-handed
both-handedness
both-hands
bott hammer
bottery tree
bottle baby
bottle blower
bottle boot
bottle brush
bottle bump
bottle cap
bottle capper
bottle carrier
bottle cleaner
bottle club
bottle coaster
bottle cod
bottle corker
bottle feeding
bottle fern
bottle filler
bottle gentian
bottle glass
bottle gourd
bottle grass
bottle green
bottle heath
bottle imp
bottle in
bottle jack
bottle jaw
bottle kiln
bottle labeler
bottle labeling
bottle maker
bottle mold
bottle molder
bottle nose
bottle opener
bottle ore
bottle palm
bottle party
bottle pool
bottle rinser
bottle screw
bottle slider
bottle soaker
bottle sterilizer
bottle stopper
bottle sucker
bottle swallow
bottle tit
bottle tree
bottle turning
bottle up
bottle washer
bottle-assed type
bottle-bellied
bottle-blowing
bottle-brush
bottle-brush buckeye
bottle-butted
bottle-capping
bottle-carrying
bottle-cleaning
bottle-corking
bottle-fed
bottle-feed
bottle-filling
bottle-gas stove
bottle-green
bottle-head
bottle-holder
bottle-nose
bottle-nosed
bottle-nosed dolphin
bottle-nosed whale
bottle-o
bottle-rinsing
bottle-shaped
bottle-soaking
bottle-sterilizing
bottle-tailed
bottle-tight
bottle-washer
bottle-washing
bottled gas
bottled in bond
bottlenose dolphin
bottlenose oil
bottlenose whale
bottling up
bottling works
bottom boards
bottom bolt
bottom canch
bottom disease
bottom dog
bottom dollar
bottom drawer
bottom fermentation
bottom gear
bottom glade
bottom grass
bottom heat
bottom house
bottom ice
bottom land
bottom line
bottom line, the
bottom of the barrel
bottom of the heart
bottom of the sea
bottom on
bottom out
bottom plate
bottom price
bottom rake
bottom rot
bottom round
bottom sawyer
bottom side
bottom side up
bottom stope
bottom tool
bottom up
bottom water
bottom waters
bottom yeast
bottom-dump bucket
bottom-road bridge
bottom-set
bottoming hole
bottoming out
bottoming tap
bottomless depths
bottomless pit
bottomless purse
bottomry bond
bottoms up
bottoms up!
botulismus toxin
boudoir cap
boudoir chair
boudoir dress
boudoir photograph
bough-pot
bought note
bought ready-to-wear
bougie decimale
bouillon cube
bouillon cup
bouillon spoon
bouillotte lamp
bouillotte table
boulder bast
boulder belt
boulder clay
boulder fern
boulder flat
boulder gravel
boulder raspberry
boulder train
boulder-stone
boulder-strewn
bouldering stone
boulevard stop
bounce back
bounce drill
bounce upon
bounced check
bouncing Bess
bouncing Bet
bouncing baby
bouncing bess
bouncing bet
bouncing check
bouncing-pin indicator
bound and determined
bound back
bound bailiff
bound book
bound charge
bound electron
bound foot
bound form
bound morpheme
bound over
bound to
bound up
bound up in
bound up with
bound variable
boundary condition
boundary layer
boundary light
boundary line
boundary point
boundary rider
boundary stone
boundary value problem
boundary-marking
bounden duty
bounden to
bounding bow
boundless pit
bounty hunter
bounty jumper
bounty jumping
bounty-fed
bouquet garni
bouquet larkspur
bouquets garnis
bourbon and branch water
bourbon rose
bourbon whiskey
bourbon whisky
bourdon lace
bourgeois gentilhomme
bourgeois taste
bouton pearl
bouts-rimes
bovine animal
bovine trichomoniasis
bovine vaccine
bovver boots
bow and arrow
bow and scrape
bow back
bow bearer
bow bells
bow brace
bow cap
bow chaser
bow chasing
bow collector
bow compass
bow divider
bow down
bow down and worship
bow down before
bow drill
bow dye
bow fast
bow file
bow front
bow hair
bow hand
bow legs
bow light
bow line
bow maker
bow net
bow oar
bow out
bow pen
bow pencil
bow pulpit
bow rudder
bow saw
bow stiffener
bow submission
bow the head
bow thistle
bow tie
bow to
bow to your will
bow trolley
bow wave
bow weight
bow window
bow your head
bow-and-quarter line
bow-back
bow-back chair
bow-backed
bow-beaked
bow-bearer
bow-bell
bow-bending
bow-compass
bow-draught
bow-dye
bow-dyer
bow-hand
bow-houghd
bow-iron
bow-legged
bow-less
bow-necked
bow-net
bow-shaped
bow-spring compass
bow-street
bow-string
bow-window
bow-windowed
bow-wow
bowed down
bowed-down
bowel movement
bowel-hive grass
bowels of compassion
bowels of mercy
bowels of the earth
bower anchor
bower plant
bower-bird
bowhead bird
bowie knife
bowie-knife
bowing acquaintance
bowing and scraping
bowing down
bowing stone
bowl a bosey
bowl a googly
bowl a wrong 'un
bowl along
bowl down
bowl game
bowl over
bowl spirit
bowl-shaped
bowlled down
bowlled over
bowline bridle
bowline cringle
bowline knot
box coverer
box crab
box cutter
box day
box dolly
box drain
box dresser
box edging
box elder
box end
box family
box frame
box front
box gauge
box girder
box grave
box green
box groove
box gutter
box hardening
box heading
box hedge
box hinging
box holder
box holly
box hook
box house
box huckleberry
box in
box iron
box jig
box junction
box keel
box key
box kite
box level
box lid
box loom
box maker
box metal
box midge
box myrtle
box nail
box nailer
box nut
box oak
box of cigarettes
box of cigars
box tree
box truck
box turtle
box up
box valve
box waggon
box wagon
box wrench
box-bordered
box-branding
box-calf
box-cleating
box-covering
box-edged
box-elder aphid
box-elder bug
box-haul
box-leaved
box-locking
box-nailing
box-office
box-plaited
box-shaped
box-strapping
box-top mission
box-tree
box-trimming
box-turning
boxed cornice
boxed in
boxed-in
boxer shorts
boxer's ear
boxer-off
boxer-up
boxing blow
boxing day
boxing glove
boxing gloves
boxing match
boxing ring
boxing shutter
boxing weight
boxing-day
boxing-in
boy bishop
boy friend
boy oh boy
boy scout
boy wonder
boy's love
boy-meets-girl
boyar palm
boyish bob
boys' haircuts
boys' room
brab tree
brace a yard fore and aft
brace and bit
brace bit
brace block
brace box
brace bumpkin
brace comb
brace game
brace head
brace in
brace jack
brace molding
brace pendant
brace piece
brace root
brace table
brace up
brace wire
brace wrench
brace yourself
braced arch
braced frame
bracelet tie
bracelet wood
brachialis anticus
brachio-
brachio-cephalic
brachisto-
brachy-
bracken sickness
bracket capital
bracket clock
bracket crab
bracket foot
bracket fungus
bracket plate
bracket saw
bracket trail
bracketed blenny
bract scale
brad punch
brady-
brag about
brag yourself up
braid bonnet
braid fern
braid wool
braided rope
braided stream
brain box
brain cactus
brain case
brain cavity
brain cell
brain cells
brain child
brain coral
brain damage
brain death
brain disease
brain drain
brain fag
brain fever
brain nerve
brain power
brain sand
brain specialist
brain stem
brain storm
brain surgery
brain teaser
brain trust
brain truster
brain tumor
brain twister
brain vesicle
brain wash
brain washing
brain wave
brain waves
brain-begot
brain-born
brain-breaking
brain-bred
brain-child
brain-cracked
brain-crazed
brain-crumpled
brain-damaged
brain-fevered
brain-fretting
brain-injured
brain-purging
brain-smoking
brain-spattering
brain-spun
brain-strong
brain-teaser
brain-tire
brain-trust
brain-wash
brain-washing
brains trust
brainstone coral
brake assembler
brake band
brake bar
brake beam
brake block
brake chain
brake chute
brake clevis
brake compartment
brake cylinder
brake drum
brake examiner
brake fitter
brake fluid
brake gear
brake hanger
brake harrow
brake horsepower
brake hose
brake lever
brake light
brake lining
brake maker
brake meter
brake operator
brake parachute
brake pedal
brake pipe
brake power
brake repairer
brake rod
brake shoe
brake spring
brake stripper
brake tester
brake valve
brake van
brake wheel
brake-testing
brake-van
braking parachute
braking power
braking ratio
bramble finch
bramble rose
bramble shark
bramble worm
bran boil
bran drench
bran duster
bran mash
bran steep
bran tub
bran-deer
bran-new
branch bank
branch banking
branch bar
branch circuit
branch cut
branch depot
branch gap
branch grass
branch herring
branch line
branch mark
branch of knowledge
branch of learning
branch of service insignia
branch of study
branch of the service
branch off
branch office
branch officer
branch out
branch point
branch trace
branch water
branch wilt
branch-bearing
branch-building
branch-charmed
branch-climber
branch-embellished
branch-rent
branch-strewn
branched chain
branches of
branches of medicine
branchial arch
branchial cleft
branchial groove
branching off
branching out
branchio-
branchiostegal ray
brand goose
brand iron
brand-goose
brand-mark
brand-new
brand-newness
brand-spanking new
branding iron
brandy Alexander
brandy and soda
brandy ball
brandy bottle
brandy butter
brandy mazzard
brandy mint
brandy smash
brandy snap
brandy snifter
brandy sour
brandy-bottle
brandy-burnt
brandy-faced
brandy-pawnee
brank-new
brank-ursine
brant bird
brant fox
brant goose
brant snipe
brant-fox
bras-dessus-bras-dessous
brash bearing
brass ankle
brass band
brass buffer
brass buttons
brass choir
brass farthing
brass finisher
brass fitter
brass founder
brass hat
brass instrument
brass knuckles
brass knucks
brass molder
brass pounder
brass quintet
brass section
brass spinner
brass tacks
brass turner
brass wind
brass, the
brass-armed
brass-bold
brass-browed
brass-cheeked
brass-colored
brass-eyed
brass-finishing
brass-fitted
brass-footed
brass-fronted
brass-handled
brass-headed
brass-hilted
brass-hooved
brass-lined
brass-melting
brass-mounted
brass-plated
brass-renting
brass-shapen
brass-smith
brass-tipped
brass-visaged
brass-wind instrument
brass-working
brattice cloth
brave face
brave front
brave person
brave show
brave west winds
brave-horsed
brave-looking
brave-minded
brave-sensed
brave-showing
brave-souled
brave-spirited
brave-spiritedness
braze-jointed
brazen boldness
brazen it out
brazen law of wages
brazen out
brazen through
brazen-barking
brazen-browed
brazen-clawed
brazen-colored
brazen-face
brazen-faced
brazen-facedly
brazen-fisted
brazen-floored
brazen-footed
brazen-fronted
brazen-gated
brazen-headed
brazen-hilted
brazen-hoofed
brazen-imaged
brazen-leaved
brazen-lunged
brazen-mailed
brazen-mouthed
brazen-pointed
brazil nut
brazil wood
brazing alloy
bre kekekex
breach of contract
breach of faith
breach of friendship
breach of law
breach of privilege
breach of promise
breach of public trust
breach of the peace
breach of trust
breach the law
bread and butter
bread and water
bread and wine
bread bag
bread baker
bread beetle
bread bin
bread corn
bread crumb
bread crumber
bread crust
bread cutter
bread flour
bread grain
bread knife
bread line
bread maker
bread mold
bread mould
bread pan
bread plate
bread pudding
bread rack
bread sauce
bread slicer
bread stick
bread stuff
bread toaster
bread tray
bread tree
bread wheat
bread wrapper
bread-and-butter
bread-and-butter model
bread-and-butter pickle
bread-baking
bread-basket
bread-corn
bread-crumb
bread-crumbing
bread-crust bomb
bread-cutting
bread-eating
bread-faced
bread-fruit
bread-liner
bread-stitch
bread-stuff
bread-tree
bread-winner
bread-wrapping
breadth extreme
breadth index
breadth molded
break Priscian's head
break a lance with
break a strike
break and entry
break away
break back
break bean
break boundary
break bounds
break bread
break bread with
break bulk
break camp
break cover
break down
break down and confess
break down and cry
break even
break faith
break flour
break for
break forth
break free
break front
break ground
break in
break in on
break in the market
break in upon
break into
break into a smile
break into music
break into pieces
break into smithereens
break iron
break it off
break it to
break it up
break jail
break jaws
break joint
break lathe
break line
break loose
break no bones
break of
break of day
break of serve Tennis
break off
break off combat
break on the wheel
break open
break out
break out a flag
break out ballast
break out in a rash
break out in a sweat
break out the anchor
break out with
break pin
break point
break prison
break sheer
break shock
break silence
break step
break the back of
break the back of something
break the bank
break the charm
break the fall
break the habit
break the ice
break the law
break the neck of
break the news
break the pattern
break the peace
break the record
break the seal
break the sound barrier
break the spell
break the thread
break the trail
break through
break to harness
break to pieces
break to smithereens
break up
break van
break water
break wind
break with
break with the past
break you up
break your back
break your bonds
break your chains
break your eyes away
break your fast
break your fetters
break your heart
break your heart over
break your neck
break your promise
break your word
break yourself away
break-
break-back
break-circuit
break-down
break-even
break-even point
break-front
break-in
break-neck
break-off
break-promise
break-through
break-up
breakaway group
breakbone fever
breakdown lights
breakdown of authority
breakdown van
breakdown voltage
breaker card
breaker strip
breaker-down
breaker-off
breaker-up
breakers ahead
breakeven chart
breakfast bacon
breakfast bell
breakfast food
breakfast knife
breakfast nook
breakfast plate
breakfast room
breakfast set
breakfast table
breakfast time
breaking and entering
breaking down
breaking engine
breaking joint
breaking load
breaking loose
breaking off of negotiations
breaking out
breaking piece
breaking plough
breaking plow
breaking point
breaking strength
breaking up
breaking water
breaking-in
breakoff point
breaks, the
breakthrough weapons
breakup switch
breakup value
breast auger
breast backstay
breast beam
breast board
breast collar
breast cut
breast cylinder
breast drill
breast fast
breast feathers
breast harness
breast hoe
breast hole
breast in
breast kerchief
breast knee
breast laws
breast line
breast milk
breast molding
breast of lamb
breast of veal
breast off
breast pang
breast pocket
breast pump
breast roll
breast stoping
breast strap
breast stroke
breast tea
breast the current
breast the flood
breast the tide
breast the wave
breast timber
breast wall
breast wheel
breast-beam
breast-beater
breast-beating
breast-board
breast-deep
breast-fed
breast-feed
breast-feeding
breast-high
breast-hook
breast-plate
breast-plough
breast-rending
breast-wheel
breasting knife
breastwork log
breath glide
breath group
breath of air
breath of life
breath of your nostrils
breath test
breath-bereaving
breath-blown
breath-giving
breath-stopping
breath-sucking
breath-tainted
breath-taking
breathe again
breathe down your neck
breathe easier
breathe easily
breathe easy
breathe fire and fury
breathe freely
breathe hard
breathe heavily
breathe in
breathe life into
breathe more freely
breathe new life into
breathe out
breathe the air of freedom
breathe vengeance
breathe your last
breather pipe
breathing apparatus
breathing capacity
breathing hole
breathing mark
breathing place
breathing pore
breathing space
breathing spell
breathing stress
breathing time
breathless adoration
breathless awe
breathless impatience
breathless wonder
breathy voice
bred in the bone
bred-in-the-bone
breech action
breech birth
breech bolt
breech delivery
breech mechanism
breech piece
breech pin
breech plug
breech screw
breech sight
breech-loader
breech-loading
breechblock plunger
breeches buoy
breeches money
breeches part
breeches pipe
breeching body
breeching loop
breeching strap
breed in and in
breed true
breeder reactor
breeder tulip
breeding ground
breeding place
breeding plumage
breeding sore
breeds of
breeds of cats
breeds of cattle
breeds of chickens
breeds of dogs
breeds of horses
breeds of sheep
breeds of swine
breeze along
breeze block
breeze box
breeze burner
breeze carrier
breeze concrete
breeze filler
breeze fly
breeze in
breeze into
breeze loader
breeze oven
breeze picker
breeze plant
breeze riddler
breeze tallyman
breeze up
breeze washer
breeze wheeler
breeze-borne
breeze-fanned
breeze-lifted
breeze-shaken
breeze-swept
breeze-wooing
brent goose
brent-new
brepho-
brest summer
bret-full
breu-
breve rest
brevet d'invention
brevi manu
brevi-
brewer's yeast
briar pipe
briar-hopper
bribe broker
bribe money
bribe-devouring
bribe-free
bribery and corruption
bribery oath
bric-a-brac
bric-a-brackery
brick arch
brick archer
brick ax
brick beam
brick burner
brick carrier
brick cheese
brick chipper
brick chisel
brick clay
brick cutter
brick drier
brick dust
brick earth
brick factory
brick hammer
brick hod
brick machine
brick machinist
brick mold
brick molder
brick nog
brick nogging
brick oven
brick paver
brick pointer
brick press
brick presser
brick red
brick sorter
brick stamp
brick stitch
brick tea
brick trimmer
brick trowel
brick wall
brick wheeler
brick-barred
brick-bound
brick-building
brick-built
brick-burning
brick-colored
brick-cutting
brick-drying
brick-dust
brick-dust deposit
brick-earth
brick-field
brick-fronted
brick-grinding
brick-hemmed
brick-kiln
brick-nogged
brick-paved
brick-red
brick-testing
brick-walled
bricklayer's hammer
bricks and mortar
bridal hymn
bridal outfit
bridal saddle
bridal suite
bridal wreath
bride and groom
bride duck
bride price
bride-ale
bride-cup
bride-lace
bride-to-be
bridge bar
bridge between
bridge bird
bridge bracket
bridge circuit
bridge coupler
bridge crane
bridge deck
bridge engineer
bridge engineering
bridge fluting
bridge grafting
bridge guard
bridge house
bridge islet
bridge joint
bridge lamp
bridge lock
bridge maker
bridge money
bridge over
bridge passage
bridge pewee
bridge piece
bridge rail
bridge seat
bridge sign
bridge stay
bridge stone
bridge table
bridge tower
bridge train
bridge wall
bridge whist
bridge-house
bridle bar
bridle bridge
bridle cable
bridle chain
bridle gate
bridle hand
bridle iron
bridle joint
bridle part
bridle path
bridle port
bright-colored
bright-dyed
bright-eyed
bright-eyed and bushy-tailed
bright-faced
bright-featured
bright-field
bright-flaming
bright-haired
bright-headed
bright-hued
bright-leaved
bright-line spectrum
bright-minded
bright-robbed
bright-spotted
bright-striped
bright-studded
bright-tinted
bright-witted
brighten up
brightline spectrum
brightness equation
brightness temperature
brill's disease
brilliant cut
brilliant idea
brilliant light
brilliant success
brilliant-cut
brim over
brimming eyes
brimstone acid
brimstone butterfly
brimstone yellow
brindled gnu
brine fly
brine gauge
brine pan
brine pit
brine pump
brine pumper
brine shrimp
brine worm
brine-bound
brine-cooler
brine-cooling
brine-dripping
brine-pumping
brine-soaked
brinell hardness
brinell number
bring a case before the bar
bring a case before the court
bring about
bring about a detente
bring accusation
bring action against
bring around
bring back
bring back to the memory
bring bad luck
bring balm to your sorrow
bring before
bring before the public
bring by the lee
bring by the wind
bring charges
bring crashing down
bring down
bring down about your ears
bring down around your ears
bring down the house
bring down the sun
bring down upon
bring down upon one
bring down upon you
bring down upon your head
bring down upon yourself
bring face to face with
bring forth
bring forward
bring glad tidings
bring home the bacon
bring home to
bring in
bring in a verdict
bring in a verdict of not guilty
bring in an indictment
bring in question
bring in the wind
bring into analogy
bring into being
bring into comparison
bring into court
bring into discredit
bring into existence
bring into focus
bring into play
bring into question
bring into relation with
bring into the limelight
bring into the open
bring into the wind
bring into the world
bring into view
bring low
bring near
bring off
bring off the wind
bring on
bring on the wind
bring out
bring out in bold relief
bring out in high relief
bring out in strong relief
bring over
bring pressure to bear upon
bring reason to bear
bring round
bring shame upon
bring suit
bring the anchor home
bring the mind to bear upon
bring through
bring to
bring to a happy issue
bring to a head
bring to a stand
bring to a standstill
bring to a stop
bring to account
bring to an end
bring to an understanding
bring to attention
bring to bay
bring to bear
bring to bear upon
bring to birth
bring to book
bring to completion
bring to effect
bring to fruition
bring to justice
bring to life
bring to light
bring to maturity
bring to mind
bring to naught
bring to nothing
bring to notice
bring to nought
bring to pass
bring to reason
bring to recollection
bring to ruin
bring to tears
bring to terms
bring to test
bring to the bar
bring to the block
bring to the boiling point
bring to the fore
bring to the front
bring to the gallows
bring to trial
bring to view
bring to your notice
bring to your senses
bring together
bring trouble
bring tumbling down
bring under the hammer
bring under your notice
bring up
bring up by hand
bring up for investigation
bring up short
bring up the rear
bring up to date
bring up to date
bring upon
bring upon yourself
bring word
bring you back to earth
bring you down
bring you to your knees
bring you up short
bring-and-buy sale
bringer-up
bringing back to earth
bringing forth
bringing in
bringing into disorder
bringing into question
bringing of charges
bringing out
bringing to book
bringing to fruition
bringing to light
bringing to the ground
bringing together
bringing-up
brise-soleil
brisk market
brisket disease
bristle cell
bristle fern
bristle grass
bristle moss
bristle picker
bristle rat
bristle up
bristle with
bristle worm
bristle-faced
bristle-grass
bristle-pointed
bristle-pointed oat
bristle-stalked
bristle-tailed
bristle-thighed
bristle-thighed curlew
bristle-toothed
bristlecone fir
bristlecone pine
bristlewort family
bristling with arms
bristly foxtail grass
bristly sarsaparilla
britannia metal
britannia ware
british english
brittany spaniel
brittle as glass
brittle fern
brittle star
brittle-star
brix scale
broach post
broach spire
broach to
broach turner
broad accent
broad arrow
broad as the world
broad awake
broad bean
broad church
broad comedy
broad day
broad daylight
broad gage
broad gauge
broad glass
broad grin
broad hatchet
broad hint
broad humor
broad in the beam
broad jump
broad jumper
broad lines
broad mind
broad of beam
broad on the beam
broad on the bow
broad on the quarter
broad pendant
broad reach
broad seal
broad side foremost
broad spectrum
broad-arrow
broad-axe
broad-backed
broad-based
broad-beamed
broad-bean weevil
broad-billed
broad-bladed
broad-blown
broad-bodied
broad-bosomed
broad-bottomed
broad-boughed
broad-bowed
broad-breasted
broad-brim
broad-brimmed
broad-built
broad-chested
broad-chinned
broad-crested
broad-eared
broad-eyed
broad-faced
broad-flapped
broad-fronted
broad-gage
broad-gaged
broad-gauge
broad-gauge person
broad-gauged
broad-guage
broad-handed
broad-headed
broad-hoofed
broad-horned
broad-jump
broad-leafed
broad-leaved
broad-leaved bottle tree
broad-leaved maple
broad-limbed
broad-lipped
broad-listed
broad-margined
broad-minded
broad-minded person
broad-mindedly
broad-mindedness
broad-mouthed
broad-nosed
broad-piece
broad-ribbed
broad-roomed
broad-set
broad-shouldered
broad-skirted
broad-souled
broad-spectrum
broad-spectrum antibiotic
broad-spectrum drug
broad-spoken
broad-spreading
broken marriage
broken mirror
broken off
broken pediment
broken record
broken speech
broken thread
broken to harness
broken tones
broken voice
broken water
broken wind
broken-arched
broken-backed
broken-bellied
broken-check
broken-down
broken-ended
broken-footed
broken-fortuned
broken-handed
broken-headed
broken-hearted
broken-heartedly
broken-heartedness
broken-hipped
broken-hoofed
broken-in
broken-kneed
broken-legged
broken-minded
broken-mouthed
broken-nosed
broken-paced
broken-record
broken-shanked
broken-spirited
broken-winded
broken-winged
broker's agent
broker's loan
brokerage house
brokerage office
brolly-hop
brom-
brome grass
bromic acid
bromide paper
bromine pentfluoride
bromine water
bromo-
bromoil process
bromoil transfer
bronch-
bronchial asthma
bronchial pneumonia
bronchial tube
bronchial tubes
bronchio-
broncho-
bronco grass
bronx cheer
bronze age
bronze caster
bronze diabetes
bronze medal
bronze smelter
bronze star medal
bronze-bearing
bronze-bound
bronze-brown
bronze-casting
bronze-clad
bronze-colored
bronze-covered
bronze-foreheaded
bronze-gilt
bronze-gleaming
bronze-golden
bronze-haired
bronze-purple
bronze-shod
bronze-winged
bronze-yellow
bronzed diabetes
bronzed grackle
brood above
brood bud
brood cell
brood chamber
brood gemma
brood mare
brood matron
brood nest
brood over
brood patch
brood pouch
brooder house
broody coop
broody hen
brook bean
brook betony
brook celandine
brook feather
brook lamprey
brook lobelia
brook mink
brook mint
brook no
brook no denial
brook pimpernel
brook runner
brook silk
brook sunflower
brook tongue
brook trout
broom birch
broom brush
broom clover
broom corn
broom crowberry
broom cypress
broom goosefoot
broom grass
broom handle
broom heath
broom hickory
broom maker
broom millet
broom moss
broom palm
broom pine
broom sage
broom sedge
broom straw
broom tea tree
broom toadflax
broom tops
broom tree
broom twine
broom wattle
broom-leaved
broom-sewing
broomcorn millet
broomrape family
broomstick marriage
brother-german
brother-in-arms
brother-in-law
brotherly love
brothers under the skin
brothers-in-law
brougham-landauet
brought about
brought down
brought in from nowhere
brought low
brought to notice
brought to your knees
brow ague
brow antler
brow point
brow tine
brow-bent
brow-wreathed
brown Bess
brown Betty
brown alga
brown algae
brown as a berry
brown bagging
brown bear
brown belt
brown bent
brown bess
brown betty
brown bill
brown bread
brown bullhead
brown butter
brown canker
brown coal
brown coat
brown creeper
brown george
brown gravy
brown hackle
brown heart
brown hematite
brown hyena
brown lung disease
brown madder
brown man
brown of dusk
brown off
brown out
brown race
brown rat
brown recluse spider
brown rice
brown rot
brown sauce
brown snake
brown soap
brown spot
brown stem rot
brown study
brown sugar
brown swiss
brown thrasher
brown thrush
brown trout
brown-armed
brown-backed
brown-banded
brown-barreled
brown-bearded
brown-berried
brown-colored
brown-complexioned
brown-eyed
brown-eyed Susan
brown-faced
brown-green
brown-haired
brown-headed
brown-leaved
brown-locked
brown-nose
brown-nosed
brown-noser
brown-nosing
brown-purple
brown-red
brown-roofed
brown-sailed
brown-skinned
brown-sleeve
brown-spotted
brown-state
brown-stemmed
brown-strained
brown-tail moth
brown-tailed
brown-washed
browned off
browned-off
brownian motion
brownian movement
browning solution
browning trowel
brownish-red
brownish-yellow
brownstone front
browsing room
bruit about
bruited about
bruiting about
brumbo pulley
brunch coat
brunch-word
brush ape
brush apple
brush aside
brush ax
brush back
brush borer
brush boring
brush box
brush breaker
brush bronzewing
brush broom
brush by
brush case
brush cherry
brush coating
brush cut
brush deal
brush deer
brush discharge
brush drag
brush driller
brush drilling
brush fashioner
brush fiber
brush filler
brush fire
brush hand
brush harrow
brush heap
brush holder
brush hook
brush kangaroo
brush keeper
brush maker
brush myrtle
brush off
brush on paint
brush ore
brush pile
brush polisher
brush puller
brush rabbit
brush sawyer
brush scythe
brush shunt
brush stick
brush stock
brush trimmer
brush turkey
brush turner
brush up
brush up on
brush varnisher
brush wheel
brush wolf
brush yoke
brush-breaking
brush-fire
brush-footed
brush-footed butterfly
brush-off
brush-shaped
brush-tail
brush-tailed
brush-tongued
brush-treat
brusher-off
brusher-up
brushfire war
brussels carpet
brussels lace
brussels sprout
brut champagne
brut concrete
brutal act
brutal fact
brutal task
brute creation
brute force
brute matter
brute strength
bruzz iron
bry-
brys-
bton de commandement
buaze fiber
bubble and squeak
bubble bath
bubble canopy
bubble car
bubble chamber
bubble dance
bubble dancer
bubble glass
bubble gum
bubble hood
bubble nest
bubble over
bubble sextant
bubble shell
bubble tower
bubble tube
bubble up
bubble-and-squeak
bubble-bow
bubbling over
bubblly-jock
bubonic plague
buccinator novi temporis
bucco camphor
bchu camphor
bchu oil
buck ague
buck and wing
buck basket
buck bean
buck fat
buck fever
buck finch
buck fleece
buck for
buck grass
buck in
buck knee
buck law
buck moth
buck off
buck passer
buck private
buck rabbit
buck rake
buck sail
buck scraper
buck sheet
buck slip
buck thistle
buck up
buck's horn plantain
buck's turn
buck's-horn
buck-and-wing
buck-bean
buck-bean family
buck-eye
buck-eyed
buck-horn
buck-hound
buck-jump
buck-mast
buck-one
buck-passing
buck-shot
buck-stall
buck-tooth
buck-toothed
buck-washing
bucket-up
bucket about
bucket bench
bucket brigade
bucket carrier
bucket conveyer
bucket down
bucket dredge
bucket hook
bucket hooker
bucket ladder
bucket maker
bucket orchid
bucket out
bucket pump
bucket rope
bucket seat
bucket shop
bucket snapper
bucket up
bucket well
bucket wheel
bucket-eyed
bucket-shaped
bucket-shop
bucketeye rot
buckhorn brake
buckhorn plantain
buckhorn sight
bucking board
bucking bronco
bucking hammer
bucking kier
bucking plate
buckle bobber
buckle burnisher
buckle chain
buckle coverer
buckle down
buckle down to
buckle finisher
buckle forger
buckle into
buckle maker
buckle mounter
buckle on your armor
buckle presser
buckle rollerer
buckle stamper
buckle to
buckle tongue
buckle tonguer
buckle under
buckle yourself
buckle-beggar
buckler fern
buckler maker
buckler mustard
buckler play
buckler player
buckler-fern
buckler-headed
buckler-shaped
bucks-beard
buckshot pattern
buckthorn brown
buckthorn family
buckwheat cake
buckwheat coal
buckwheat family
buckwheat flour
buckwheat sage
buckwheat tree
buckwheat vine
bucolic caesura
bud brush
bud from
bud grafting
bud gum
bud moth
bud mutation
bud rot
bud sage
bud scale
bud sport
bud stick
bud variation
bud variety
bud vase
buddy sap
buddy system
buddy up
buddy-boy
buddy-buddy
budge bachelor
budge barrel
budge-barrel
budget account
budget items
budget of news
budget plan
budget prices
buenas noches
buenos dias
buff Orpington
buff coat
buff leather
buff nor stye
buff stick
buff top
buff wheel
buff, the
buff-backed
buff-bare
buff-breasted
buff-citrine
buff-colored
buff-orange
buff-tipped
buff-washed
buff-yellow
buffalo apple
buffalo berry
buffalo bird
buffalo bug
buffalo bur
buffalo bush
buffalo carpet beetle
buffalo chips
buffalo cholera
buffalo cloth
buffalo clover
buffalo cod
buffalo currant
buffalo dance
buffalo disease
buffalo fish
buffalo fly
buffalo gnat
buffalo gourd
buffalo grass
buffalo jack
buffalo mange
buffalo moth
buffalo nut
buffalo pea
buffalo robe
buffalo sunfish
buffalo thorn
buffalo tree
buffalo tree hopper
buffalo wallow
buffalo weed
buffalo wolf
buffalo-headed
buffer bar
buffer beam
buffer block
buffer salt
buffer solution
buffer state
buffer therapy
buffer value
buffer zone
buffered aspirin
buffet car
buffet lunch
buffet supper
buffet the waves
buffing apparatus
buffing head
buffing wheel
buffle duck
buffle-headed
buffo bass
buffy coat
bug agaric
bug bomb
bug in the ear
bug juice
bug light
bug off
bug word
bug-eyed
bug-eyes
bug-juice
bug-word
bugger about
bugger off
bugger up
buggered up
bugging machine
buggy cultivator
buggy plow
bugle call
bugle corps
bugle horn
bugle-horn
bugle-weed
bugloss cowslip
bugs on
buhl clock
build a fire
build a house of cards
build castles in the air
build in
build into
build on
build the stately rime
build up
build up a stock
build up an inventory
build your house upon a rock
build-up
builder's knot
building anchor
building and loan association
building block
building blocks
building code
building construction
building contractor
building cradle
building inspector
building iron
building law
building lease
building line
building lot
building material
building mover
building paper
building permit
building rigger
building slip
building society
building surveyor
building trade
building trades
built for comfort
built like a brick shithouse
built on sand
built-in
built-up
built-up mast
bukk-
bulb angle
bulb bar
bulb fly
bulb iron
bulb keel
bulb mite
bulb plate
bulb rectifier
bulb rot
bulb scale
bulb-tee
bulbo-
bulbo-urethral
bulbourethral gland
bulbous bow
bulbous buttercup
bulbous crowfoot
bulbous-rooted
bulge hoop
bulging purse
bulk large
bulk line
bulk mail
bulk modulus
bulk out
bulk up
bulk-material conveyer
bulk-pile
bulkhead deck
bulkhead in
bulkhead line
bulky color
bull account
bull apple
bull bait
bull band
bull bay
bull birch
bull bit
bull block
bull brier
bull buttercup
bull chain
bull cook
bull daisy
bull dike
bull ditcher
bull donkey
bull dust
bull dyke
bull earing
bull fiddle
bull float
bull gear
bull grape
bull grass
bull gun
bull header
bull horn
bull in a china shop
bull kelp
bull mackerel
bull market
bull mastiff
bull meat
bull moose
bull neck
bull net
bull nettle
bull nose
bull oak
bull peep
bull pen
bull pine
bull plum
bull point
bull pool
bull press
bull pump
bull quartz
bull raid
bull rattle
bull redfish
bull ring
bull riveter
bull rope
bull session
bull shark
bull snake
bull stag
bull stretcher
bull terrier
bull the market
bull thistle
bull tongue
bull train
bull trout
bull wheel
bull's nose
bull's-eye
bull's-eye lantern
bull's-eye mirror
bull's-eye rot
bull's-eye squall
bull's-eyed
bull's-eyes
bull-
bull-bait
bull-baiter
bull-baiting
bull-bearing
bull-beggar
bull-bitch
bull-bragging
bull-browed
bull-dog
bull-dose
bull-faced
bull-fight
bull-frog
bull-fronted
bull-god
bull-grip
bull-headed
bull-horn
bull-horn acacia
bull-like
bull-man
bull-mastiff
bull-mouthed
bull-necked
bull-nosed
bull-nosed bow
bull-roarer
bull-roaring
bull-run
bull-running
bull-terrier
bull-tongue
bull-tongued
bull-tonguing
bull-trout
bull-voiced
bull-whack
bull-whip
bulla tympani
bullace grape
bulldog ant
bulldog bat
bulldog clip
bulldog courage
bulldog edition
bulldog forceps
bulldog pipe
bulldog spear
bulldog tenacity
bulldog wrench
bullen nail
bullen-bullen
bullet bolt
bullet catch
bullet compass
bullet hawk
bullet maker
bullet money
bullet screw
bullet shell
bullet tree
bullet wood
bullet-head
bullet-hole
bullet-resisting glass
bulletin board
bulletproof vest
bullhead kelp
bullhead lily
bullhead shark
bulling bar
bullion balance
bullion fringe
bullion lace
bullion melter
bullion point
bullion smelter
bullion stitch
bullion smelter
bullish market
bullish prices
bullit grape
bullnose header
bullnose step
bullnose stretcher
bullnose tool
bullock block
bullock cart
bullock heart
bullock's heart
bullock's-heart
bullshit artist
bully beef
bully tree
bully-off
bully-rock
bulrush millet
bulwark plating
bum a ride
bum around
bum steer
bum's rush
bum's rush, the
bum-
bumble-bee
bumble-puppy
bumblebee coot
bumblebee hawk moth
bumblebee root
bump against
bump ball
bump heads
bump into
bump joint
bump off
bump start
bump up
bump-off
bump-start
bumper bag
bumper beam
bumper car
bumper crop
bumper guard
bumper jack
bumper spring
bumper sticker
bumping bag
bumping hammer
bumping post
bumping race
bumping-off
bumpy ash
bun fight
bun foot
bun ochra
bunch bean
bunch evergreen
bunch grape
bunch grass
bunch light
bunch oyster
bunch peanut
bunt glut
bunter dog
bunting crow
bunting iron
bunting lark
buntline cloth
bunya-bunya
buon fresco
buon giorno
buona notte
buona sera
buono fresco
buoy boat
buoy up
buoy-tender
buoyancy force
buoyant force
buoyant market
buoyant mine
buoyed up
buoyed-up
buprestid beetle
bur artichoke
bur chervil
bur clover
bur cucumber
bur gherkin
bur grass
bur marigold
bur oak
bur parsley
bur reed
bur sage
bur thistle
bur vervain
bur-reed
buratto lace
burble point
burd-alone
burden adjustment
burden of care
burden of expenditure
burden of proof
burden stitch
burden the memory
burden the mind
burden the mind with
burden with
burdened with debt
burdened with sorrow
burdock grass
bureau company
bureau of investigation
bureau system
bureaucratic delay
burg-bryce
burgess-ship
burgh-english
burghal-penny
burglar alarm
burglary insurance
burial at sea
burial case
burial chamber
burial customs
burial ground
burial jar
burial mound
burial peal
burial place
burial service
burial tree
burial urn
burial vault
burial yard
burial-ground
burial-place
buried in
buried in oblivion
buried in thought
buried treasure
burlesque act
burlesque queen
burlesque show
burlesque theater
burly-boned
burly-faced
burly-headed
burmannia family
burmese cat
burn a hole in your pocket
burn at the stake
burn blue
burn daylight
burn down
burn in
burn in effigy
burn in your pocket
burn off
burn on
burn out
burn the candle at both ends
burn the midnight oil
burn to
burn to a cinder
burn to ashes
burn to death
burn to the ground
burn up
burn up your mortgage
burn with curiosity
burn with love
burn you up
burn your boats
burn your bridges
burn your fingers
burn yourself out
burn-
burn-ing
burn-beat
burn-nose
burn-nose bark
burn-the-wind
burn-up
burned down
burned out
burned to the ground
burned-out
burned-over
burner gas
burner-off
burnet bloodwort
burnet clover
burnet moth
burnet rose
burnet saxifrage
burning at the stake
burning bush
burning ember
burning ghat
burning glass
burning hot
burning issue
burning mirror
burning mountain
burning oil
burning out
burning pain
burning point
burning question
burning rage
burning shame
burning spot
burning up
burning with curiosity
burning with excitement
burning-bush
burning-glass
burning-in tool
burning-wood
burnished-gold
burnishing die
burnt Italian earth
burnt Roman ocher
burnt ale
burnt almond
burnt almonds
burnt carmine
burnt cork
burnt crimson lake
burnt lake
burnt lime
burnt line
burnt ocher
burnt offering
burnt orange
burnt rose
burnt sienna
burnt umber
burnt up
burnt-child
burnt-out
burnt-umber
burnt-up
burp gun
burr chisel
burr-pump
burr-stone
burras-pipe
burrel fly
burrel shot
burrel-fly
burrel-shot
burring machine
burro deer
burro-back
burrow duck
burrow-duck
burrowing blenny
burrowing owl
burrows-town
burst forth
burst in
burst into bloom
burst into flame
burst into laughter
burst into song
burst into tears
burst like a bubble
burst like a thunderbolt
burst like a thunderclap
burst of applause
burst of laughter
burst of light
burst of rain
burst of speed
burst on the ear
burst out
burst out laughing
burst the bubble
burst upon
burst upon one
burst upon the view
burst with
burst with energy
burst with health
burst with laughter
burst-cow
bursting at the seams
bursting charge
bursting of the bubble
bursting out
bursting point
bursting strength
bursting to
bursting with happiness
bursting with health
bury the hatchet
bury the tomahawk
bury your head in the sand
bury yourself in
burying beetle
burying ground
burying place
burying-ground
burying-place
bus bar
bus boy
bus conductor
bus driver
bus girl
bus line
bus rod
bus shelter
bus stop
bush baby
bush basil
bush bean
bush broom
bush canary
bush cat
bush cinquefoil
bush clover
bush coat
bush country
bush cow
bush cranberry
bush disease
bush doe
bush dog
bush dove
bush flying
bush forest
bush fruit
bush goat
bush grape
bush hammer
bush harrow
bush hawk
bush honeysuckle
bush hook
bush house
bush huckleberry
bush jacket
bush lark
bush lawyer
bush league
bush leaguer
bush lot
bush maple
bush marrow
bush metal
bush morning-glory
bush nut
bush oak
bush oyster
bush parole
bush pea
bush pepper
bush pig
bush pilot
bush poppy
bush pumpkin
bush quail
bush rat
bush rice grass
bush robin
bush scythe
bush shrike
bush sickness
bush soul
bush swamp
bush tamarind
bush tea
bush telegraph
bush tit
bush trefoil
bush up
bush vetch
bush warbler
bush wren
bush-fighter
bush-grown
bush-haired
bush-hammer
bush-harrow
bush-head
bush-headed
bush-league
bush-ranger
bush-ripe
bush-shrike
bush-skirted
bush-tailed
busheled iron
bushy aster
bushy-bearded
bushy-browed
bushy-eared
bushy-haired
bushy-headed
bushy-legged
bushy-tailed
bushy-whiskered
bushy-wigged
business English
business affairs
business agent
business arithmetic
business at hand
business car
business card
business chemistry
business college
business correspondence
business cycle
business deal
business dealings
business directory
business district
business double
business education
business end
business establishment
business ethics
business fluctuations
business index
business interruption insurance
business is business
business jet
business law
business leader
business letter
business life insurance
business machine
business paper
business pass
business relations
business reply card
business reply envelope
business school
business section
business suit
business transaction
business unionism
businessman's bounce
businessman's trip
busman's holiday
buss the clouds
busser-in
bust a gut
bust hammer
bust in
bust out
bust up
bust your ass
bust-up
bustamente furnace
bustard quail
bustle pipe
busy Lizzie
busy as a beaver
busy as a bee
busy bee
busy signal
busy yourself
busy yourself with
busy-brained
busy-fingered
busy-headed
busy-idle
busy-tongued
but breath and shadow
but for
but go at once
but good
but now
but piece
but then
but what
but-
but-and-ben
but-end
butacaine sulfate
butane lighter
butane stove
butane torch
butch haircut
butcher bird
butcher knife
butcher linen
butcher paper
butcher rayon
butcher shop
butcher's broom
butcher's meat
butcher's saw
butcher's-broom
butcher-bird
butcher-row
butea gum
butea kino
butea seed
butenedioic acid
butler's pantry
butler's sideboard
buts-and-bens
butt against
butt block
butt bolt
butt chain
butt chisel
butt cut
butt end
butt fitter
butt handler
butt haulier
butt head
butt hinge
butt in
butt joint
butt knuckle
butt leather
butt lifter
butt on
butt out
butt packer
butt plate
butt puller
butt roller
butt rot
butt saw
butt shaft
butt shooting
butt sling
butt strap
butt striker
butt weld
butt welding
butt-headed
butt-in
butt-stock
butter ale
butter basket
butter bean
butter blender
butter boat
butter carrier
butter chip
butter clam
butter color
butter cooler
butter cress
butter crock
butter cutter
butter daisy
butter dealer
butter dipper
butter dish
butter dock
butter duck
butter firkin
butter grinder
butter kit
butter knife
butter maker
butter merchant
butter mold
butter muslin
butter of arsenic
butter of zinc
butter oil
butter packer
butter pat
butter pear
butter pick
butter plate
butter plum
butter print
butter roller
butter salve
butter sauce
butter server
butter shop
butter spreader
butter tooth
butter tree
butter tub
butter up
butter weight
butter yellow
butter your bread on both sides
butter-and-egg man
butter-and-eggs
butter-billed
butter-box
butter-bump
butter-colored
butter-cutting
butter-fingered
butter-mouthed
butter-nut
butter-print
butter-rigged
butter-rose
butter-smooth
butter-toothed
butterboat-bill
butterboat-billed
buttercup family
buttercup yellow
buttered eggs
buttered rum
butterfly agama
butterfly bomb
butterfly bush
butterfly chair
butterfly dam
butterfly damper
butterfly dance
butterfly dock
butterfly fish
butterfly flower
butterfly lily
butterfly map
butterfly net
butterfly nut
butterfly orchid
butterfly orchis
butterfly pea
butterfly plant
butterfly ray
butterfly roof
butterfly table
butterfly tail
butterfly tulip
button quail
button sage
button saw
button scar
button seal
button sedge
button sewer
button shank
button shanker
button shoe
button shoes
button snakerooot
button snakeweek
button sorter
button stamper
button stick
button strike
button switch
button thistle
button tree
button turner
button up
button up your pockets
button willow
button worker
button your lip
button-covering
button-down
button-down collar
button-eared
button-fastening
button-headed
button-holder
button-hole
button-sewing
button-shaped
button-slitting
button-tufting
buttoner-up
buttonhead rivet
buttonhole stitch
buttonwood shrub
buttress pier
buttress root
buttress thread
buttress tower
butts and bounds
butty lark
butyl alcohol
butyl aldehyde
butyl group
butyl oxalate
butyl radical
butyl-chloral
butylene group
butylene radical
butyr-
butyric acid
butyric ether
butyro-
butyryl group
butyryl radical
buy a piece of
buy a pig in a poke
buy a share of
buy and sell
buy at a bargain
buy at cost
buy at wholesale prices
buy back
buy boat
buy dirt cheap
buy for a mere nothing
buy for a song
buy for nickels and dimes
buy in
buy in futures
buy into
buy it
buy off
buy on credit
buy on the cuff
buy on the installment plan
buy out
buy time
buy up
buyer four
buyer resistance
buyer ten
buyer's strike
buyers' market
buyers' strike
buying and selling
buying in
buying option
buying power
buying right
buying up
buzz about
buzz along
buzz bomb
buzz off
buzz planer
buzz saw
buzz session
buzz track
buzz word
buzzard clock
buzzard curlew
buzzard grass
by a fluke
by a great deal
by a hair
by a jot
by a long chalk
by a long shot
by a long way
by a nose
by a piece of luck
by a side door
by a side wind
by a strong arm
by a whit
by accident
by acclamation
by agent
by airmail
by airplane
by all manner of means
by all means
by all odds
by an ace
by an iota
by and by
by and large
by any chance
by any manner of means
by any means
by any possibility
by auction
by authority of
by birth
by bits and pieces
by brute force
by bus
by cable
by cards
by catches
by categories
by chance
by choice
by command
by common consent
by common report
by comparison with
by consensus
by contraries
by cracky
by degrees
by design
by destiny
by dint of
by disposition
by divisions
by ear
by easy stages
by election
by express
by eyeball
by fair means or foul
by far
by fits
by fits and starts
by foot
by force
by force of arms
by force of habit
by forced marches
by freight
by general consent
by good fortune
by guess and by God
by half
by half measures
by halves
by hand
by hazard
by heart
by his lane
by hit and miss
by hook or by crook
by hook or crook
by horse
by ill hap
by ill luck
by inches
by inchmeal
by installments
by instinct
by interpretation
by intervals
by intuition
by itself
by jerks
by land
by law
by leaps and bounds
by little and little
by long odds
by mail
by main force
by marriage
by me
by means of
by memory
by merest chance
by my halidom
by name
by nature
by necessity
by night
by no manner of means
by no means
by odds
by one
by order
by ordinary
by parol
by parts
by preference
by proxy
by quarters
by rail
by reason of
by reason of that
by reflex
by remote control
by request
by return mail
by right
by rights
by rote
by rule of thumb
by sea
by sections
by sight
by skips
by slow degrees
by snatches
by some means
by special delivery
by speech or action
by stages
by stealth
by steamer
by storm
by stress of
by suffrage
by surprise
by telegraph
by temperament
by the act of
by the agency of
by the aid of
by the board
by the book
by the by
by the bye
by the clock
by the good offices of
by the lee
by the logic of character
by the logic of temperament
by the numbers
by the people
by the rules of logic
by the run
by the same sign
by the same token
by the side of
by the skin of your teeth
by the stern
by the sweat of your brow
by the way
by the way of
by the wind
by this time
by transfer
by trial and error
by tricks
by trolley
by turns
by two
by types
by use of
by virtue of
by virtue of mind-set
by vote
by water
by way of
by way of example
by way of hypothesis
by way of opposition
by way of parenthesis
by what means
by what mode
by what name
by whatever name
by wholesale
by word of mouth
by your leave
by your lonesome
by your own petard
by yourself
by-
by-alley
by-altar
by-and-by
by-and-large
by-bid
by-bidder
by-bidding
by-blow
by-boat
by-channel
by-child
by-chop
by-cock
by-common
by-corner
by-day
by-dependency
by-design
by-doing
by-doingby-drinking
by-drinking
by-dweller
by-effect
by-election
by-end
by-fellow
by-fellowship
by-form
by-gold
by-hour
by-interest
by-issue
by-job
by-land
by-lane
by-law
by-lead
by-line
by-live
by-matter
by-motive
by-name
by-office
by-pass
by-pass capacitor
by-pass condenser
by-passage
by-passed
by-passer
by-passing
by-past
by-path
by-paths
by-place
by-play
by-plot
by-product
by-product oven
by-purpose
by-reaction
by-respect
by-result
by-road
by-room
by-route
by-sitter
by-speech
by-spel
by-stake
by-street
by-stroke
by-talk
by-term
by-the-by
by-the-way
by-thing
by-throw
by-thrust
by-time
by-tone
by-track
by-trail
by-turning
by-view
by-walk
by-walking
by-wash
by-water
by-way
by-west
by-wipe
by-wood
by-word
by-work
by-your-leave
bye-blow
bye-bye
bye-byes
bye-election
bye-low
bye-stake
bye-turn
bye-water
bye-wood
bygone days
bygone times
bypass burner
bypass condenser
bypass engine
bypass ratio
bypaths and crooked ways
byre-man
byre-men
byword of reproach
c & b
c battery
c clef
c ration
c'est autre chose
c'est bien
c'est ca
c'est la guerre
c'est la vie
c'est selon
c-axes
c-axis
c-horizon
c-mitosis
c/-
cS
c S
c canny
c sa
c’a canny
c’a-thro’
c'a-ing-whale
c a-ca
c aaing whale
cab fare
cab hire
cabana set
cabaret tax
cabbage aphis
cabbage bark
cabbage bug
cabbage butterfly
cabbage lettuce
cabbage moth
cabbage palm
cabbage palmetto
cabbage repeatedly
cabbage root fly
cabbage rose
cabbage tree
cabbage white
cabbage-leaf miner
cabbage-root maggot
cabbage-tree
cabbage-tree hat
cabbaging press
cabin boat
cabin boy
cabin camp
cabin car
cabin class
cabin court
cabin cruiser
cabin deck
cabin hook
cabin plane
cabin tent
cabin-class

cabinet beetle
cabinet cherry
cabinet member
cabinet minister
cabinet picture
cabinet pudding
cabinet scraper
cabinet wine
cabinet-maker
cable address
cable bend
cable buoy
cable car
cable crane
cable length
cable molding
cable railroad
cable railway
cable release
cable road
cable ship
cable stitch
cable television
cable tramway
cable's length
cable-car
cable-laid
cable-stitch
cabriole leg
cac-
cacao bean
cacao butter
cache-cache
cachectic fever
cachou de Laval
cack-handed
caco-
caco-zeal
cocoa bean
cacodyl group
cacodyl radical
cacodylic acid
cacoethes scribendi
cactus alkaloid
cactus dahlia
cactus family
cactus geranium
cactus wren
caddie bag
caddie car
caddie cart
caddis bait
caddis case
caddis fly
caddis worm
caddy spoon
cadency mark
cadet blue
cadet cloth
cadet gray
cadet grey
cadge a ride
cadmium bronze
cadmium carmine
cadmium cell
cadmium green
cadmium orange
cadmium poisoning
cadmium red
cadmium standard cell
cadmium sulfide
cadmium sulphate
cadmium sulphide
cadmium vermilion
cadmium yellow
cae-
cae-
caen-
caen-stone
caesarian section
caesium clock
cafe au lait
cafe chantant
cafe concert
cafe dansant
cafe noir
cafe society
cafe-society
caffoy paper
cag-handed
cage antenna
cage bird
cage zone melting
cager-on
caging knob
cahnca root
cahoun palm
caiman lizard
cain law
caiiper-callie
cairn tangle
cairn terrier
cairn-headed
caisson body
caisson disease
caisson limber
cajeput oil
caju rains
cajuput oil
cake baker
cake eater
cake flour
cake griddle
cake make-up
cake maker
cake pan
cake-eater
cake-mixing
caked breast
caked lac
cakes and ale
caking coal
calaba tree
calabar bean
calabar-bean
calabash nutmeg
calabash tree
calabur tree
calamander wood
calamine blue
calamine brass
calamint balm
calamity howler
calamondin orange
calamus oil
calc-
calc-aphanite
calc-sinter
calc-spar
calc-tufa
calc-tuff
calcaneocuboid ligament
calcareo-
calcareous tufa
calce-scence
calci-
calcined baryta
calcined lime
calcio-
calcium arsenate
calcium bisulphite
calcium carbide
calcium carbonate
calcium caseinate
calcium chloride
calcium creosotate
calcium cyanamide
calcium cyanide
calcium cyclamate
calcium cyclohexylsulfamate
calcium dibromobehenate
calcium fluoride
calcium hydrate
calcium hydroxide
calcium hypochlorite
calcium iodobehenate
calcium lactate
calcium lamp
calcium light
calcium nitrate
calcium oxide
calcium oxych
calcium oxychloride
calcium permanganate
calcium phosphate
calcium propionate
calcium soap
calcium sulfide
calcium sulphate
calcium sulphite
calco-
calculate on
calculate upon
calculate your position
calculated deception
calculated distortion
calculated risk
calculated to
calculating machine
calculus of differences
calculus of finite differences
calculus of individuals
calculus of pleasure
calculus of variations
caldo verde
caldron bottom
calendar art
calendar clock
calendar day
calendar maker
calendar month
calendar of bills
calendar stone
calendar watch
calendar year
calendar-making
calenture of the brain
calf feed
calf leather
calf love
calf's brains
calf's head
calf's liver
calf's tongue
calf's-foot
calf's-foot jelly
calf-skin
cali-
caliatour wood
caliber compass
calibrated scale
calibrating circuit
calibrating terminal
calibrating unit
calico ash
calico aster
calico bass
calico bug
calico bush
calico cat
calico clam
calico crab
calico flower
calico pony
calico printing
calico scale
calico tree
california laurel
california poppy
california rosebay
caliper compass
caliper gauge
caliper rule
calph willow
calisaya bark
calk weld
call a break
call a halt
call a halt to
call a recess
call a spade a spade
call a strike
call all bets off
call an intermission
call attention to
call away
call back
call back yesterday
call bell
call bird
call box
call card
call down
call down curses on the head of
call down evil upon
call for
call for help
call forth
call girl
call heads or tails
call heaven to witness
call house
call in
call in question
call into being
call into existence
call into play
call into question
call it a day
call it quits
call letters
call loan
call mark
call market
call money
call names
call number
call of duty
call off
call on
call on the carpet
call on the phone
call on you for
call option
call out
call over
call price
call rate
call sign
call slip
call spirits from the vasty deep
call the play
call the roll
call the shots
call the signals
call the tune
call the turn
call time
call time-out
call to
call to account
call to active duty
call to arms
call to mind
call to notice
call to order
call to quarters
call to the colors
call to witness
call together
call up
call up spirits
call upon
call upon you for
call upon you to
call your bluff
call your own
call your shot
call your shots
call-back pay
call-board
call-down
call-fire
call-in pay
call-off
call-out
call-over
call-up
calla green
calla lily
calla-
callable bond
callable securities
called for
called home
called on
calli-
calling a spade a spade
calling before the mind’s eye
calling card
calling crab
calling forth
calling party
calling to the mind’s eye
calling-down
calling-over
calliope hummingbird
calliper compasses
calliper rule
calliper splint Med
callis sand
callis-sand
callithumpian band
callosal convolution
callosal gyrus
calm acceptance
calm and free
calm as a mill pond
calm before the storm
calm disposition
calm down
calm mind
calm of mind
calm weather
calm yourself
calm-eyed
calm-minded
calm-throated
calming hand
calo-
calomel electrode
calore sore
calorie chart
calorie counter
calorie engine
calorie-counting
calorific value
calorimeter bomb
calumet dance
calvary cross
calyx drill
calyx spray
calyx teeth
calyx tube
cam chain
cam cleat
cam contactor
cam engine
cam press
cam squeezer
cam switch
cam wheel
cam-contactor switch
cam-cutting machine
cam-wood
camadula seed
camara nutmeg
camass rat
camb sizer
cambe wood
camber arch
camber beam
camber piece
camber slip
camber-keeled
camberwell beauty
cambric grass
cambric muslin
cambric tea
camel back
camel caravan
camel driver
camel grass
camel hay
camel insect
camp flux
camp follower
camp hospital
camp it up
camp meeting
camp on the trail of
camp out
camp robber
camp root
camp royal
camp sheathing
camp site
camp stove
camp trailer
camp-fight
camp-meeting
camp-out
camp-shedding
camp-shot
camp-site
campaign book
campaign button
campaign chair
campaign chest
campaign commitments
campaign contribution
campaign dinner
campaign for
campaign fund
campaign hat
campaign medal
campaign oratory
campaign promises
campaign ribbon
campaign wig
campeachy wood
campernelle jonquil
campfire girl
camph-
camphane group
camphor ball
camphor glass
camphor gum
camphor ice
camphor laurel
camphor liniment
camphor oil
camphor tree
camphor water
camphor weed
camphorated oil
campi santi
camping bus
camping ground
camping site
campo pea
campo santo
campos santos
campus shoes
campus university
camra stylo
can buoy
can burnisher
can calm
can capper
can carrier
can coverer
can crimper
can do
can faucet
can filler
can floater
can frame
can header
can hook
can it
can it be
can jacket
can key
can liner
can not
can of worms
can opener
can plug
can press
can sealer
can solderer
can sterilizer
can such things be
can system
can washer
can you beat that
can you feature that
can't be avoided
can't be helped
can't complain
can't help
can't keep from
can-beading
can-boxing
can-buoy
can-burnishing
can-can
can-capping
can-cleaning
can-closing
can-crimping
can-dock
can-filling
can-flanging
can-heading
can-hook
can-labeling
can-lacquering
can-lining
can-marking
can-opener
can-opening
can-polishing
can-quaffing
can-salting
can-scoring
can-sealing
can-seaming
can-slitting
can-soldering
can-squeezing
can-stamping
can-sterilizing
can-testing
can-washing
can-weighing
can-wiping
can-wrapping
cana brava
cana espina
canada balsam
canada lynx
canada thistle
canadian french
canal barge
canal boat
canal cell
canal coal
canal lock
canal ray
canal rays
canal system
canal-bone
canal-built
cananga oil
canard sauvage
canary bird
canary creeper
canary flower
canary glass
canary grass
canary moss
canary nut
canary seed
canary stone
canary vine
canary weed
canary wine
canary wood
canary yellow
canary-bird
canary-bird flower
canary-yellow
canarybird flower
canarybird vine
cancel out
canceled check
canceled type
cancellation clause
cancellation law
cancer cell
cancer eye
cancer jalap
cancer parasite
cancer stick
cancrinite-syenite
cancrum oris
candelabra lamp holder
candelabra plant
candelabrum tree
candelilla wax
candid camera
candid photograph
candid photography
candied apple
candle alder
candle anemone
candle auction
candle bearer
candle cactus
candle case
candle end
candle ends
candle fly
candle gleam
candle grease
candle hour
candle larkspur
candle lumen
candle mold
candle molder
candle paper
candle plant
candle power
candle rush
candle shade
candle snuff
candle snuffer
candle tree
candle tube
candle wicking
candle-beam
candle-bearing
candle-branch
candle-dipper
candle-end
candle-foot
candle-holder
candle-hour
candle-lighter
candle-meter
candle-rent
candle-shaped
candle-snuff
candle-snuff fungus
candle-tapering
candle-tree
candle-waster
candle-wood
candleberry bark
candleberry myrtle
candleberry tree
candlenut oil
candlestick lily
candlewick bedspread
candlewood pine
candy cane
candy carrot
candy corn
candy grass
candy kitchen
candy pull
candy pulling
candy store
candy stripe
candy striper
candy thermometer
candy-striped
cane apple
cane ash
cane blight
cane borer
cane bottoming
cane brimstone
cane cactus
cane chair
cane crusher
cane cutter
cane field
cane fruit
cane gall
cane grass
cane gun
cane killer
cane knife
cane mill
cane osier
cane palm
cane piece
cane press
cane rat
cane reed
cane rush
cane rust
cane seat
cane seating
cane splicer
cane sugar
cane syrup
cane trash
cane weaver
cane webbing
cane withy
cane-backed
cane-bottomed
cane-phorus
cane-seated
canebrake rattler
canebrake rattlesnake
canella alba
canella bark
canella-bark family
cangica-wood
canicola fever
canical days
canine appetite
canine distemper
canine leptospirosis
canine madness
canine tooth
canine typhus
canis major
canis minor
canister shot
canker bloom
canker blossom
canker lettuce
canker rash
canker rose
canker sore
canker violet
canker-bit
canker-bitten
canker-eaten
canker-hearted
canker-mouthed
canker-toothed
cankerworm of care
canna family
canna-down
cannabis indica
cannabis resin
canned foods
canned goods
canned heat
canned show
cannel coal
cannel-bone
cannon ball
cannon bit
cannon bone
cannon cracker
cannon curl
cannon fodder
cannon metal
cannon off
cannon pinion
cannon shot
cannon stove
cannon-ball
cannon-ball fruit
cannon-ball tree
cannon-proof
cannon-royal
cannon-shot
cannonball express
cannot choose but
cannot do otherwise
cannot help but
canoe adz
canoe birch
canoe burial
canoe cedar
canoe gum
canoe tent
canoe yacht
canoe yawl
canon bit
canon form
canon law
canon lawyer
canon regular
canonical age
canonical books
canonical form
canonical hour
canonical hours
canonical prayers
canonical writings
canonized mortal
canons regular
canopic jar
canopy of heaven
canopy switch
cant across
cant block
cant body
cant chisel
cant dog
cant file
cant frame
cant hook
cant molding
cant purchase
cant ribband
cant round
cant spar
cant strip
cant timber
canted column
canterbury bell
cantherid luster
cantherides cerate
cantilever bridge
cantilever foundation
cantilever spring
canting arms
canting coat
canting hypocrite
canting quoin
castle bar
canto fermo
cantocanto fermo
canton blue
canton crepe
canton flannel
canton ginger
cantorial side
cantus figuratus
cantus firmus
cantus planus
canvas baster
canvas board
canvas dam
canvas dresser
canvas maker
canvas primer
canvas quilter
canvas shoe
canvas stitch
canvas stitcher
canvas stitching
canvas work
canvas worker
canvas-back
canvas-covered
canvastack duck
canyon gooseberry
canyon grape
canyon live oak
canyon wind
canyon wren
cap and bells
cap and gown
cap bolt
cap cell
cap cloud
cap flashing
cap fungus
cap gun
cap in hand
cap jib
cap maker
cap nut
cap octavo
cap of darkness
cap of dignity
cap of estate
cap of maintenance
cap paper
cap piece
cap pistol
cap rhymes
cap rock
cap screw
cap scuttle
cap spinning
cap square
cap the climax
cap verses
cap-a-pie
cap-case
cap-flash
cap-in-hand
cap-paper

cap-capable of
cap-capable of life
cap-capable of living

cap-capable of solution
cap-capable of survival

cap-capacitive coupling
cap-capacitive reactance

cap-capacitor microphone
capacitor motor
capacitor speaker
capacity coupling
capacity factor
capacity for
capacity load
capacity load factor
capacity reactance
cape chisel
cape cod cottage
cape crawfish
cape doctor
cape gooseberry
cape parvum
cape-merchant
caper berry
caper family
caper sauce
caper spurge
caper tea
caper tree
caper-cut
 capseseed oil
capful of wind
capillary action
capillary analysis
capillary attraction
capillary capacity
capillary chemistry
capillary electrometer
capillary potential
capillary pyrites
capillary tube
capillary water
capital account
capital accounts
capital asset
capital assets
capital bonus
capital budget
capital city
capital crime
capital expenditure
capital fellow
capital gain
capital gains
capital gains distribution
capital gains tax
capital goods
capital investment
capital joke
capital levy
capital loss
capital market
capital operation
capital punishment
capital ship
capital stock
capital stock n
capital structure
capital style
capital styles

capital surplus
capital transfer tax

capitalist economy
capitalistic economy
capitalistic system
capitalization issue

capitalize on
capitate bone
capitation grant
capitation tax
capo tasto
capoor cutchery
cappa magna
capped elbow
capped hock
capped pawn
capping fee
capping plane
capple-faced
capric acid
capricorn beetle
caprificig wasp

caproic acid
caprylic acid
capsicum wool
capsizing moment
capstan bar
capstan bolt
capstan lathe
capstan screw
capstan table
capstan tool rest
capstan-headed
car line
car lot
car mileage
car movement
car of Jagannath
car of Juggernaut
car park
car pool
car rail
car replacer
car retarder
car ride
car sealer
car service
car shed
car sickness
car starter
car step
car track
car wash
car wheel
car wheeler
car-borne
car-dumping
car-mile
car-replacing
car-tunnel kiln
caramel cream
caramel cutter
carap nut
carap oil
carap tree
carap wood
carapa nut
carapa oil
carapa tree
carapa wood
carat grain
carat grains
caravan boiler
caraway oil
caraway seed
caraway seeds
caraway-seed fern
carb-
carbamate insecticide
carbamic acid
carbazotic acid
carbo-
carbo-hydrate
carbocyclic compound
carbolic acid
carbolic oil
carbon 14
carbon arc
carbon bisulfide
carbon bisulphide
carbon black
carbon copy
carbon cycle
carbon dating
carbon diamond
carbon dichloride
carbon dioxide
carbon dioxide snow
carbon disulfide
carbon disulphide
carbon fibre
carbon flame
carbon knock
carbon lamp
carbon light
carbon microphone
carbon monoxide
carbon oxide
carbon oxychloride
carbon paper
carbon paper n
carbon pencil
carbon point
carbon process
carbon silicide
carbon spot
carbon star
carbon steel
carbon sulphochloride
carbon telephone
carbon tet
carbon tetrachloride
carbon tissue
carbon transfer
carbon transmitter
carbon trichloride
carbon tube
carbon- dating
carbon-14 dating
carbon-dioxide foam
carbon-dioxide recorder
carbon-dioxide snow
carbonated water
carbonic acid
carbonic acid gas
carbonic anhydride
carbonic-acid gas
carbonium ion
carbonization process
carboxyl chloride
carbonyl group
carbonyl radical
carborundum cloth
carboxyl group
carboxyl radical
carboxylic acid
carbro process
carbureted-hydrogen gas
carburetor altitude control
carcass beef
carcass flooring
carcass roofing
carcin-
carcinogenic substance
card bends
card brusher
card case
card catalog
card catalogue
card cheating
card cleaner
card cloth
card clothier
card clothing
card compass
card cutter
card doffer
card drawer
card dresser
card end
card ender
card feeder
card fettler
card field
card file
card filler
card game
card games
card gatherer
card grinder
card index
card ledger
card magnetic compass
card measurer
card parer
card punch
card reader
card roller
card setter
card sorter
card strip
card stripper
card table
card teasel
card tenter
card thistle
card tray
card up your sleeve
card vote
card voting
card winder
card wire
card writer
card-carrier
card-carrying
card-carrying Communist
card-carrying member
card-counting
card-cut
card-cutting
card-devoted
card-index
card-perforating
card-printing
card-setting machine
card-sorting
cardamom oil
carder bee
cardi-
cardiac arrest
cardiac cycle
cardiac epilepsy
cardiac glucoside
cardiac glycoside
cardiac hormone
cardiac infarction
cardiac insufficiency
cardiac neurosis
cardiac output
cardiac pacemaker
cardiac shock
cardiac stenosis
cardiac tamponade
cardiac thrombosis
cardigan jacket
cardigan sweater
cardinal archbishop
cardinal beetle
cardinal bird
cardinal bishop
cardinal climber
cardinal cloth
cardinal deacon
cardinal dean
cardinal fish
cardinal flower
cardinal grosbeak
cardinal humour
cardinal number
cardinal numeral
cardinal point
cardinal points
cardinal priest
cardinal red
cardinal system
cardinal virtue
cardinal virtues
cardinal vowel
cardinal's hat
cardinal-bishop
cardinal-deacon
cardinal-flower
cardinal-priest
cardinal-red
carding hair
carding machine
carding thistle
carding wool
cardio-
cardio-aortic
cardio-inhibitory
cardiogenic shock
cardioid microphone
cardiovascular disease
cards and spades
care a snap
care a snap of your fingers for
care about
care for
care for truth
care naught for
care nothing about
care nothing for
care of souls
care sunday
care-bewitching
care-bringing
care-charmer Sleep
care-charming
care-cloth
care-crazed
care-crossed
care-defying
care-dispelling
care-eluding
care-encumbered
care-fraught
care-killing
care-laden
care-lined
care-scorched
care-taker
care-tired
care-tuned
care-wounded
career building
career diplomat
career girl
career man
career politics
career soldiers
careers master
careful consideration
carefully ignore
careless abandon
care the ear
cargo boat
cargo carrier
cargo checker
cargo clerk
cargo cluster
cargo coal
cargo cult
cargo dock
cargo handler
cargo lighter
cargo liner
cargo mast
cargo mill
cargo plane
cargo reflector
cargo ship
cargo transport
cargo worker
caribou moss
caricature plant
caring fair
carking care
carl hemp
carline thistle
carline wife
carload lot
carload rate
carmine crabapple
carmine lake
carnage trade
carnal abuse
carnal delight
carnal desire
carnal knowledge
carnal nature
carnal passion
carnal-minded
carnal-mindedness
carnation grass
carnation red
carnation rose
carnation rust
carnation-red
carnauba wax
carnegie unit
camelian red
carnival glass
carnival lace
carnoso-
carob bean
carob brown
carob gum
carob tree
caroline hat
carom ball
carom into
carotid artery
carotid body
carotid gland
carotid sinus
carp at
carp louse
carp sucker
carp-
carpal tunnel syndrome
carpe diem
carpenter ant
carpenter bee
carpenter bird
carpenter grass
carpenter moth
carpenter's hammer
carpenter's square
carpet alterer
carpet beating
carpet bed
carpet bedding
carpet beetle
carpet binding
carpet bombing
carpet braid
carpet braid
carpet brush
carpet bug
carpet chair
carpet cleaner
carpet cleaning
carpet dance
carpet dealer
carpet drive
carpet dyer
carpet fastener
carpet filler
carpet fillings
carpet finisher
carpet fitter
carpet fixer
carpet folder
carpet grass
carpet hemmer
carpet knight
carpet lining
carpet loom
carpet machinist
carpet maker
carpet mill
carpet moth
carpet needle
carpet opener
carpet picker
carpet pink
carpet planner
carpet printer
carpet printing
carpet rags
carpet renovator
carpet repairer
carpet rod
carpet sewer
carpet shark
carpet shell
carpet shredder
carpet slipper
carpet snake
carpet sorter
carpet stitch
carpet stretcher
carpet sweeper
carpet tack
carpet thread
carpet twisting
carpet weaver
carpet weaving
carpet wool
carpet yarn
carpet-bag
carpet-bagger
carpet-covered
carpet-cut
carpet-knight
carpet-smooth
carpet-sweeper
carpetweed family
carpo-
carpo-olecranal
carriage apron
carriage blind
carriage body
carriage bolt
carriage boot
carriage bow
carriage bridge
carriage builder
carriage building
carriage cleaner
carriage cleaning
carriage company
carriage coupler
carriage coupling
carriage dog
carriage drive
carriage driver
carriage entrance
carriage forward
carriage free
carriage gate
carriage guard
carriage harness
carriage head
carriage horse
carriage house
carriage hub
carriage iron
carriage ironer
carriage joiner
carriage lady
carriage lamp
carriage lampman
carriage maker
carriage making
carriage paid
carriage painter
carriage piece
carriage pole
carriage porch
carriage rider
carriage road
carriage searcher
carriage seat
carriage setter
carriage shackle
carriage shaft
carriage shed
carriage spring
carriage springer
carriage step
carriage strap
carriage top
carriage trade
carriage trimmer
carriage trimming
carriage washer
carriage way
carriage wheel
carriage works
carriage wrench
carriage-free
carrick bend
carrick bitt
carrick bitts
carrick head
carried away
carried by acclamation
carrier amplifier
carrier bag
carrier courier
carrier fighter
carrier frequency
carrier pigeon
carrier ring
carrier shell
carrier snail
carrier suppression
carrier wave
carrier-based plane
carrier-current system
carrier-free
carrier-pigeon
carriers of
carrion beetle
carrion buzzard
carrion crow
carrion flower
carrion fly
carrion fungus
carrion hawk
carron oil
carrot beetle
carrot eating
carrot family
carrot fern
carrot orange
carrot pudding
carrot red
carrot rust fly
carrot soft rot
carrot tree
carrot-colored
carrot-head
carrot-headed
carrot-pated
carrot-shaped
carrot-top
carry a card
carry a tune
carry all before one
carry all before you
carry arms
carry authority
carry away
carry back
carry back in recollection
carry bag
carry by storm
carry coals to Newcastle
carry conviction
carry forward
carry in your thoughts
carry into effect
carry into execution
carry it
carry lee helm
carry off
carry on
carry on a business
carry on a conversation
carry on a propaganda
carry on a trade
carry on an inquiry
carry on business
carry on hostilities
carry on over
carry on something scandalous
carry on war
carry on your books
carry out
carry out the anchor
carry over
carry sail
carry the
carry the ball
carry the banner of
carry the day
carry the mail
carry through
carry to
carry to completion
carry to excess
carry too far
carry too much sail
carry weather helm
carry weight
carry you off your feet
carry young
carry your point
carry your thoughts back
carry yourself
carry-all
carry-back
carry-forward
carry-in
carry-log
carry-on
carry-over
carry-tale
carrying a fetus
carrying an embryo
carrying arms
carrying capacity
carrying charge
carrying cost
carrying distance
carrying out
carrying place
carrying through
carrying trade
carrying-on
carrying-out
carryings-on
carse deposit
cart aver
cart away
cart driver
cart horse
cart ladder
cart leather
cart maker
cart off
cart road
cart rope
cart track
cart wheel
cart whip
cart-rutted
cart-track plant
cart-wheel
cartage contractor
carte blanche
carte d'entrée
carte de visite
carte du jour
carte-de-visite
cartel ship
cartes blanches
cartes de visite
cartes du jour
cartesian coordinate
cartilage bone
cartilage cell
cartilage pit
cartilaginous fish
cartilaginous quittor
carton of cigarettes
carton-pierre
cartridge annealer
cartridge bag
cartridge belt
cartridge blocker
cartridge box
cartridge brass
cartridge buff
cartridge case
cartridge clip
cartridge filler
cartridge fuse
cartridge gauge
cartridge heater
cartridge loader
cartridge loading
cartridge maker
cartridge making
cartridge paper
cartridge pen
cartridge primer
cartridge priming
carve out
carve up
carve your way
carvel joint
carvel work
carvel-built
carvel-planked
carving fork
carving knife
cary-
caryo-
casaba melon
casagha pine
casca bark
cascade amplification
cascade connection
cascade control
cascade converter
cascade method
cascade screen
cascade system
cascade transformer
cascade-connect
cascara amarga
cascara buckthorn
cascara sagrada
cascarilla bark
cascarilla oil
case bay
case binding
case bolt
case bottle
case card
case count
case ending
case furniture
case glass
case goods
case grammar
case gun
case hammer
case harden
case hardening
case history
case in point
case in question
case knife
case law
case lawyer
case made
case method
case of need
case of nerves
case oil
case phrase
case record
case shot
case springs
case stake
case study
case system
case tablet
case the
case work
case worker
case-bearer
case-bound
case-harden
case-hardened
case-hardened steel
case-knife
case-shot
case-weed
case-worker
case-worm
cased book
cased glass
casein glue
casein paint
casein plastic
casemaking clothes moth
casement cloth
casement door
casement window
caser-in
cash account
cash advance
cash assets
cash audit
cash basis
cash capital
cash carrier
cash clerk
cash contract
cash credit
cash crop
cash customer
cash desk
cash discount
cash dividend
cash down
cash drawer
cash flow
cash in
cash in hand
cash in on
cash in your checks
cash in your chips
cash journal
cash letter
cash line
cash money
cash on delivery
cash on the barrelhead
cash on the nail
cash payment
cash price
cash purchase
cash railway
cash ratio
cash register
cash remittance
cash reserves
cash sale
cash store
cash supply
cash surrender value
cash tenant
cash terms
cash up
cash value
cash-and-carry
cash-book
cash-refund annuity
cashed up
cashew apple
cashew bird
cashew family
cashew lake
cashew nut
cashier's check
cashmere shawl
cashmere sweater
casing cutter
casing dog
casing head
casing knife
casing nail
casing shoe
casing spear
casing splitter
casing spool
casing swab
casing-head gas
casing-head gasoline
casing-in
casinghead gas
casino pink
cask marker
cask-shaped
cassava wood
casse paper
casse-tete
casserole fish
cassia bark
cassia bud
cassia fistula
cassia flask
cassia lignea
cassia nut
cassia oil
cassia pod
cassia pods
cassia pulp
cassia tree
cassia-bark tree
cassia-stick tree
cassie paper
cassiopeia's chair
cassowary tree
cast a ballot
cast a glance
cast a gloom over
cast a gloom upon
cast a horoscope
cast a laggen-gird
cast a nativity
cast a pall upon
cast a reproach upon
cast a shadow
cast a slur on
cast a slur upon
cast a spell
cast a traverse
cast about
cast about for
cast anchor
cast aside
cast aspersions on
cast at
cast away
cast back
cast blame upon
cast coquettish glances
cast down
cast envious eyes
cast forth
cast gear
cast in a different mold
cast in prison
cast in the eye
cast in the same mold
cast in your lot with
cast in your teeth
cast into hell
cast iron
cast light upon
cast loose
cast lots
cast naked upon the naked earth
cast of characters
cast of countenance
cast of the dice
cast off
cast on
cast out
cast out devils
cast pearls before swine
cast plastic
cast plow
cast reflection upon
cast reflections on
cast reproach upon
cast scrap
cast sheep's eyes at
cast steel
cast the evil eye
cast the eyes back
cast the eyes on
cast the eyes over
cast the eyes upon
cast the first stone
cast the gorge
cast the lead
cast their shadows before
cast to the dogs
cast to the winds
cast up
cast up accounts
cast your bread upon the waters
cast your eye
cast your eyes down
cast your fortune
cast your hook
cast your net
cast your vote
cast your vote for
cast-back
cast-by
cast-iron
cast-iron-plant
cast-me-down
cast-off
cast-steel
cast-weld
castana nut
caste mark
caste-ridden
castellated beam
castellated nut
caster sugar
caster-off
castile soap
casting away
casting bottle
casting box
casting couch
casting counter
casting director
casting down
casting line
casting lots
casting net
casting on
casting table
casting voice
casting vote
casting wax
casting weight
casting wheel
casting your ballot
castle ditch
castle earth
castle gate
castle gilliflower
castle in Spain
castle in spain
castle in the air
castle in the skies
castle in the sky
castle nut
castle top
castle town
castle wall
castle-builder
castle-building
castle-built
castle-buttressed
castle-crowned
castle-guard
castle-guarded
castoff skin
castor aralia
castor bean
castor cake
castor gray
castor oil
castor pomace
castor seed
castor sugar
castor tree
castor wheel
castor-bean
castor-bean meal
castor-bean tick
castor-oil plant
castration complex
castrator mine
casual acquaintance
casual clothes
casual discovery
casual dress
casual house
casual laborer
casual remark
casual suit
casual ward
casual water
casualty insurance
casualty list
casualty ward
casualty-evacuation plane
casus belli
cat and dog
cat and mouse
cat and rat
cat around
cat back
cat beam
cat block
cat brier
cat burglar
cat castle
cat chain
cat cracker
cat cradle
cat davit
cat distemper
cat fever
cat fit
cat flea
cat food
cat grape
cat hair
cat ham
cat haw
cat hip
cat hole
cat hook
cat house
cat ice
cat ladder
cat man
cat nap
cat o'mountain
cat owl
cat pea
cat pine
cat plague
cat purchase
cat rig
cat salt
cat schooner
cat shark
cat silver
cat sleep
cat snake
cat spruce
cat squirrel
cat stopper
cat strip
cat suit
cat tackle
cat the anchor
cat thyme
cat tree
cat typhoid
cat whisker
cat yawl
cat's cradle
cat's ear
cat's foot
cat's paw
cat's tail
cat's whisker
cat's whiskers
cat's-claw
cat's-cradle
cat's-ear
cat's-eye
cat's-eyes
cat's-feet
cat's-foot
cat's-head
cat's-paw
cat's-tail
cat's-tail speedwell
cat-a-mountain
cat-and-dog
cat-and-dog life
cat-and-dog weather
cat-and-doggish
cat-bed
cat-built
cat-chop
cat-clover
cat-eyed
cat-fish
cat-foot
cat-hammed
cat-harpin
cat-harpings
cat-head
cat-hole
cat-lap
cat-like
cat-locks
cat-o'-mountain
cat-o'-nine-tails
cat-o-nine-tails
cat-rigged
cat-scratch disease
cat-scratch fever
cat-stick
cat-train
cat-whistles
cat-witted
cata-
cataleptic hypnosis
catalog buying
catalog card
catalog goods
catalog selling
catalogue raisonn
catalogue raisonne
catalpa sphinx
catalytic agent
catalytic converter
catalytic cracker
catamenial discharge
catapult flight
catapult fruit
cataract bird
catarhal fever
catarhal inflammation
catarhal pneumonia
catastrophe hazard
catastrophe reserve
catastrophe risk
catastrophic change
catatonic schizophrenia
catatonic stupor
catawba rhododendron
catawba rose bay
catawba tree
catbird grape
catbird seat
catch a Tartar
catch a crab
catch a glimpse of
catch a likeness
catch a lobster
catch a ride
catch a smell of
catch a train
catch a turn
catch a wink
catch as catch can
catch asleep at the switch
catch at
catch at straws
catch basin
catch boom
catch box
catch cold
catch colt
catch crop
catch cropping
catch drain
catch fire
catch flat-footed
catch hell
catch hold of
catch in
catch in a trap
catch in the act
catch it
catch it in the neck
catch line
catch meadow
catch napping
catch off base
catch off side
catch off your guard
catch off-guard
catch on
catch on fire
catch on to
catch out
catch phrase
catch pit
catch points
catch question
catch red-handed
catch short
catch siding
catch sight of
catch stitch
catch the attention
catch the drift
catch the ear
catch the eye
catch the flame
catch the infection
catch the scent of
catch the thoughts
catch title
catch tripping
catch unawares
catch up
catch up in
catch up with
catch with your pants down
catch you flatfooted
catch your breath
catch your death
catch your death of cold
catch your eye
catch-
catch-22
catch-all
catch-as-catch-can
catch-cord
catch-up
catcher resonator
catchfly grass
catchment area
catchment basin
catchwater drain
catchword entry
catclaw acacia
catechetical method
catechetical school
categoric contact
categorical imperative
categorical proposition
categorical syllogism
categorically reject
categorically true
catenary furnace
catenary system
cater to
cater trey
cater-corner
cater-cornered
cater-cousin
cater-cousinship
catcorner ar catty-corner
catcorner kitty-corner
caterpillar catcher
caterpillar fern
caterpillar fungus
caterpillar gate
caterpillar hunter
caterpillar plant
caterpillar tractor
caterpillar tread
catfoot poplar
cath-
catharine wheel
cathead chuck
cathead stopper
cathelic energy
cathedral builder

cathedral ceiling
cathedral chimes
cathedral church
cathedral close
cathedral dome
cathedral glass
cathedral music
cathedral service
cathedral tower
cathedral town
cathedral walk
cathedral-like
catherine wheel
catheter fever
cathode current
cathode dark space
cathode drop
cathode glow
cathode luminescence
cathode particle
cathode ray
cathode rays
cathode-ray oscillograph
cathode-ray oscilloscope
cathode-ray tube
cathodic protection
cathodo-luminescent
catholico-
cation detergent
cation-active
cationic detergent
catjang pea
cats and dogs
cattail family
cattail flag
cattail fungus
cattail grass
cattail millet
cattail rush
cattle boat
cattle breeder
cattle breeding
cattle buyer
cattle camp
cattle car
cattle crossing
cattle dealer
cattle dehorner
cattle dog
cattle drover
cattle egret
cattle farcy
cattle farm
cattle farmer
cattle feed
cattle feeder
cattle feeding
cattle float
cattle floater
cattle grub
cattle guard
cattle horn
cattle leader
cattle lifting
cattle loader
cattle louse
cattle mange
cattle marker
cattle marking
cattle pass
cattle pen
cattle plague
cattle pump
cattle raising
cattle ranch
cattle range
cattle run
cattle rustler
cattle rustling
cattle scab
cattle ship
cattle shipper
cattle show
cattle stall
cattle station
cattle stealing
cattle steamer
cattle tender
cattle thief
cattle tick
cattle trade
cattle trader
cattle train
cattle truck
cattle wire
cattle-grid
cattle-guard
cattle-plague
cattle-ranching
cattle-specked
cattley guava
cattleya fly
catty-co
catty-corner
catty-cornered
caucus nomination
cauda galli
cauda-galli grit
caudal anesthesia
caudal appendage
caudal fin
caudal peduncle
cadle cup
caught in your own trap
caught napping
caught off balance
caught off base
caught short
caught tripping
caught up in
caught with your pants down
caul board
caul fat
cauliflower cheese
cauliflower disease
cauliflower ear
cauliflower excrescence
cauliflower ware
cauliflower-eared
caulk off
caulking chisel
caulking cotton
caulking iron
caulking tool
caulo-
causa causans
causa finalis
causa sine qua non
causal body
causal glance
causal sequence
causal treatment
cause and effect
cause celebre
cause clbre
cause dislike
cause for alarm
cause in court
cause list
cause pain
cause the mind to stray
cause the mind to wander
cause to
cause to believe
cause to go out of your way
cause to resign
cause trouble
cause trouble for
cause unpleasantness
cause vertigo
cause-and-effect
caused by
causeway grass
causing cause
caustic alcohol
caustic baryta
caustic critic
caustic curve
caustic lime
caustic potash
caustic remark
caustic soda
caustic surface
caution card
caution light
caution money
cavalier battery
cavalier projection
cavalier servant
cavalier servente
cavalier servitude
cavaliere servente
cavalieri serventi
cavalry bone
cavalry horse
cavalry saddle
cavalry tactics
cavalry twill
cave art
cave bear
cave beetle
cave canem
cave cricket
cave drawing
cave dweller
cave dwelling
cave earth
cave fish
cave hunter
cave hyena
cave in
cave lion
cave man
cave of Trophonius
cave of despair
cave painting
cave pearl
cave period
cave rat
cave right
cave tomb
cave-guarded
cave-in
cave-keeping
cave-lodged
cave-loving
caveat emptor
cavi-relievi
cavi-rilievi
caviar to the general
caviare to the general
caving system
cavity block
cavity magnetron
cavity resonator
cavity source
cavity wall
caviuna wood
cavo-relievo
cavo-relievos
cavo-rlievo
cayenne pepper
cayenne whist
cease fire
cease hostilities
cease not
cease resistance
cease to be
cease to exist
cease to live
cease to use
cease-and-desist order
cease-fire
cecropia moth
cedant arma togae
cedar apple
cedar bird
cedar camphor
cedar chest
cedar elm
cedar grass
cedar green
cedar leaf
cedar maker
cedar manna
cedar moss
cedar nut
cedar of Lebanon
cedar pine
cedar rust
cedar swamp
cedar tree
cedar waxwing
cedar-brown
cedar-colored
cedarwood oil
cedd-
cee spring
ceiling balloon
ceiling board
ceiling fixture
ceiling floor
ceiling hook
ceiling joist
ceiling light
ceiling piece
ceiling plate
ceiling price
ceiling projector
ceiling unlimited
ceiling zero
ceiling-height indicator
ceilinged roof
ce la saute aux yeux
cela va sans dire
celadon green
celandine green
celandine poppy
celebrate Mass
celery blight
celery cabbage
celery family
celery grass
celery mosaic
celery oil
celery pine
celery root
celery salt
celery seed
celery yellows
celery-leaved
celery-topped
celestial being
celestial beings
celestial blue
celestial body
celestial chart
celestial crown
celestial equator
celestial globe
celestial guidance
celestial hierarchy
celestial horizon
celestial kingdom
celestial latitude
celestial longitude
celestial marriage
celestial mechanics
celestial meridian
celestial navigation
celestial pole
celestial spaces
celestial sphere
celestial throne
celiac disease
celiac plexus
cell body
cell bridge
cell cavity
cell charger
cell cleavage
cell count
cell cup
cell division
cell doctrine
cell family
cell house
cell kernel
cell membrane
 cell multiplication
cell nest
cell nucleus
cell organ
cell physiology
cell plasm
cell plate
cell product
cell proliferation
cell sap
cell substance
cell tester
cell theory
cell wall
cell-blockade
cell-like
cell-shaped
cellar book
cellar door
cellar pipe
cellar sash
cellophane tape
cellular kite
cellular tissue
cellulo-
cellulocutaneous plague
celluloid collar
cellulose acetate
cellulose ether
cellulose flour
cellulose nitrate
cellulose plastic
cellulose triacetate
cellulose xanthate
celo-navigation
celtic cross
celt-o-
cembal damore
cembra nut
cembra pine
cement a union
cement conveyer
cement disease
cement dusting
cement filler
cement gauger
cement gland
cement grinder
cement hardener
cement kiln
cement layer
cement maker
cement mill
cement miller
cement mixer
cement of friendship
cement organ
cement paver
cement pulverizer
cement rod
cement sprayer
cement steel
cement tester
cement-coated
cement-covered
cement-drying
cement-faced
cement-forming
cement-lined
cement-lining
cement-temper
cen-
cendres blue
censer bearer
censer box
censer pot
census report
census returns
census taker
census tract
centauro-triton
center about
center anchor
center back
center bit
center circle
center drill
center field
center fielder
center gambit
center gauge
center halfback
center in
center jam
center jump
center line
center mold
center of action
center of activity
center of area
center of attention
center of attraction
center of authority
center of buoyancy
center of consciousness
center of curvature
center of displacement
center of effort
center of figure
center of flotation
center of gravity
center of immersed bulk
center of immersion
center of inertia
center of interest
center of inversion
center of lateral resistance
center of life
center of manufacture
center of mass
center of origin
center of oscillation
center of ossification
center of percussion
center of pressure
center of projection
center of similitude
center of suspension
center of symmetry
center of the mind
center of volume
center on
center punch
center reamer
center round
center seal
center spider
center spread
center square
center staff
center tester
center valve
center wheel
center zone
center-fire
center-freeze system
center-of-pressure coefficient
center-sawed
center-second
centerboard damper
centerboard trunk
centered dot
centerhole guitar
centering machine
centering square
centi-
centigrade scale
centigrade thermal unit
centigrade thermometer
centimeter-gram
centimeter-gram-second
centimetre-gram-second
centimetre-gramme-second
centipede grass
centipede legs
centipede locomotive
centipede plant
centr-
central administration
central angle
central apparatus
central bank
central body
central city
central cylinder
central dogma
central eclipse
central heating
central limit theorem
central moment
central nervous system
central office
central position
central processing unit
central projection
central reserve
central school
central station
central sulcus
central tendency
central time
central-fire
centralized school
centrally heated
centre bit
centre forward
centre half
centre of curvature
centre of gravity
centre of mass
centre of pressure
centre punch
centre section
centre spread
centre three-quarter
centre-fire
centred dot
centrifugal action
centrifugal box
centrifugal casting
centrifugal force
centrifugal pot
centrifugal pump
centrifugal spinning
centripetal action
centripetal force
centro-
centum languages
centuple calorie
century aloe
century plant
cephal-
cephalic index
cephalo-
cephalopelvic disproportion
ceramic cartridge
ceramic engineer
ceramic engineering
ceramic material
ceramic microphone
ceramic pickup
ceramic ware
cerat-
cerato-
cercis-leaf
cereal bowl
cereal plant
cerebellar hemispheres
cerebello-olivary
cerebr-
cerebral accident
cerebral cortex
cerebral dominance
cerebral hemisphere
cerebral hemispheres
cerebral meningitis
cerebral palsied
cerebral palsy
cerebral rheumatism
cerebral shock
cerebral tabs
cerebral tuberculosis
cerebro-
cerebro-ocular
cerebro-spinal
cerebrospinal fever
cerebrospinal fluid
cerebrospinal meningitis
cerebrospinal nervous system
cerebrovascular accident
ceremonial attire
ceremonial tea
ceric oxide
cerinic acid
cerium dioxide
cerium metal
cerium metals
cerium oxide
cero-
ceroso-
cerotic acid
cerre-tree
cerro green
certain knowledge
certain person
certainly not
certifiable case
certificate of admeasurement
certificate of character
certificate of deposit
certificate of enrollment
certificate of incorporation
certificate of indebtedness
certificate of insurance
certificate of invention
certificate of origin
certificate of proficiency
certificate of registry
certificate of stock
certified check
certified copy
certified mail
certified milk
certified public accountant
certified teacher
cerulean blue
cerulean warbler
ceruleo-
cervical smear
cervico-
cervico-occipital
cervico-orbicular
ceryl alcohol
cessation of combat
cessation of life
cessio bonorum
cestui que trust
cestui que use
cet-
cetane number
cetane rating
cetera desunt
ceteris paribus
cetyl alcohol
cetyl palmitate
cetylic acid
cetylic alcohol
cevitamic acid
cgs units
cha-cha
cha-cha-cha
cha-chaed
cha-chaing
cha-chas
chac-chac
chack-bird
chafe at the bit
chafe iron
chafe-wax
chaff scale
chaff-flower
chaff-weed
chaffer whale
chaffeur-ship
chafing dish
chafing gear
chafing pan
chagas' disease
chagual gum
chai meu
chai vai
chain argument
chain armor
chain banking
chain belt
chain bit
chain block
chain boat
chain bolt
chain brake
chain cable
chain cent
chain closure
chain conveyer
chain coral
chain coupling
chain creeper
chain discount
chain dog
chain drill
chain drive
chain driving
chain fall
chain feed
chain fern
chain gang
chain gear
chain gearing
chain grab
chain grate
chain guard
chain harrow
chain hoist
chain hook
chain isomerism
chain joiner
chain jointer
chain knot
chain letter
chain lightning
chain line
chain link fence
chain linker
chain locker
chain mail
chain maker
chain mark
chain measure
chain mechanism
chain of being
chain of cause and effect
chain of circumstances
chain of command
chain of evidence
chain of ideas
chain of office
chain of thought
chain pickerel
chain pillar
chain pin
chain pipe
chain plate
chain printer
chain pulley
chain pump
chain reaction
chain reactor
chain reasoning
chain reflex
chain riveting
chain rule
chain saw
chain shot
chain smoker
chain smoking
chain snake
chain splice
chain stitch
chain store
chain survey
chain syllogism
chain tape
chain tongs
chain towing
chain twist
chain victory to your car
chain wale
chain warper
chain welder
chain well
chain wheel
chain whip
chain winding
chain wrench
chain-bag
chain-bridge
chain-driven
chain-drooped
chain-grate stoker
chain-mail armor
chain-pull lamp holder
chain-pull switch
chain-pump
chain-react
chain-reacting
chain-reacting pile
chain-shaped
chain-shot
chain-smoke
chain-smoked
chain-smoker
chain-smoking
chain-spotted
chain-stitch
chain-stitching
chain-swung
chain-testing
chain-wale
chain-welding
chain-work
chaining pin
chair arm
chair back
chair bed
chair binder
chair bottom
chair bottomer
chair cane
chair car
chair leg
chair lift
chair of English
chair organ
chair rail
chair seat
chair seater
chair shaper
chair table
chair turner
chair, the
chair-fast
chair-mortising
chair-shaped
chair-warmer
chairman of the board
chaise cart
chaise d'or
chaise longue
chaise longues
chaise lounge
chaise-longue
chaise-marine
chaises longues
chakazzi copal
chalcedony yellow
chalcid fly
chalcid wasp
chalcis fly
chalco-
chalice cell
chalice flower
chalice moss
chalice veil
chalice vine
chalk and talk
chalk burner
chalk cliff
chalk down
chalk dust
chalk engraving
chalk flint
chalk hill
chalk lime
chalk line
chalk maple
chalk mixture
chalk out
chalk pit
chalk plant
chalk process
chalk quarry
chalk stripe
chalk talk
chalk talker
chalk up
chalk-eating
chalk-eyed
chalk-plate process
chalk-stone
chalk-talk
chalk-white
challenge comparison
challenge cup
chamber acid
chamber barrister
chamber blast
chamber chorus
chamber composer
chamber concert
chamber council
chamber counsel
chamber fellow
chamber filter
chamber gas
chamber horse
chamber kiln
chamber master
chamber mastering
chamber music
chamber of commerce
chamber of horrors
chamber opera
chamber orchestra
chamber organ
chamber pot
chamber practice
chamber process
chamber sonata
chamber stool
chamber study
chamber train
chamber vessel
chamber-deacon
chamber-master
chambered nautilus
chameleon grass
chameleon mineral
chameleon tree frog
chamfer bit
chamfer plane
chamois cloth
chamois leather
chamois skin
chamois yellow
champ at the bit
champaca oil
champagne cider
champagne cocktail
champagne cup
champaign country
champing at the bit
champion oak
champion tooth
champleve enamel
chance arrival
chance at odds
chance bairn
chance child
chance discovery
chance event
chance hit
chance it
chance on
chance upon
chance-dropped
chance-hit
chance-hurt
chance-medley
chance-met
chance-poised
chance-shot
chance-sown
chance-taken
chance-won
chancel organ
chancel screen
chancel table
chancellor of the exchequer
chancery court
chancery hand
chancery law
chandeliers
tree
chang awn
change back
change bowler
change color
change course
change down
change for
change for the better
change for the worse
change front
change gear
change hands
change house
change into
change key
change of allegiance
change of commitment
change of conviction
change of heart
change of life
change of loyalty
change of mind
change of one thing for another
change of pace
change of venue
change off
change over
change ownership
change place
change places with
change point
change ratio
change residence
change ringing
change round
change sides
change the bearing
change the heading
change the preponderance
change to a former state
change to something different
change up
change wheel
change with the times
change your allegiance
change your colors
change your identity
change your mind
change your note
change your song
change your tune
change your ways
change-case key
change-house
change-over
change-over switch
change-ringing
change-speed gear
change-up
changed for the better
changement de pied
changements de pied
changer-off
changing bag
changing note
changing tone
channel bar
channel bass
channel board
channel bolt
channel cat
channel filter
channel goose
channel iron
channel patch
channel plate
channel rail
channel selector
channel steel
channel stone
channel-back chair
chanson de geste
chansons de geste
chant du cygne
chante-fable
chante-fables
chantry priest
chaotic heart
chap-book
chap-fallen
chap-money
chaparral bird
chaparral broom
chaparral cock
chaparral lily
chaparral pea
chaparral snapdragon
chapeau bras
chapel child
chapel de fer
chapel of ease
chapel royal
chapel text
chapels de fer
chapter and verse
chapter head
chapter house
chapter of accidents
chapter ring
char-
char-a-banc
char-a-bancs
character actor
character assassination
character dance
character dancing
character disorder
character dress
character group
character loan
character man
character part
character piece
character reference
character sketch
character study
character type
character witness
character woman
characteristic curve
characteristic equation
characteristic function
characteristic polynomial
characteristic root
characteristic subgroup
characteristic value
characteristic vector
characteristic velocity
characteristic x-ray
charcoal black
charcoal burner
charcoal drawing
charcoal fire
charcoal furnace
charcoal gray
charcoal grey
charcoal iron
charcoal oven
charcoal paper
charcoal pencil
charcoal pit
charcoal plate
charcoal point
charcoal powder
charcoal rot
charcoal tree
charcoal wood
charcoal-burner
charcoal-gray
charga-plate
charge account
charge book
charge card
charge carrier
charge conjugation
charge d'affaires
charge density
charge for
charge hand
charge in
charge nurse
charge of quarters
charge off
charge on
charge plate
charge sheet
charge the jury
charge to
charge to experience
charge to the jury
charge to your account
charge up
charge upon
charge weigher
charge with
charge-a-plate
charge-exchange accelerator
charge-house
charge-off
chargeable to
charged moment
charged up
charges forward
charging of the jury
charging order
charging rate
charging stick
chariot driver
chariot driving
chariot plane
chariot pole
chariot race
chariot racer
chariot side
chariot wheel
chariot-shaped
charismatic figure
charismatic gift
charismatic leader
charismatic movement
charismatic renewal
charity ball
charity bazaar
charity boy
charity case
charity commission
charity girl
charity house
charity school
charity stamp
charity ward
charity work
charity worker
charles's wain
charley horse
charlotte russe
charm school
charm the birds out of the trees
charm-bound
charm-built
charm-engirdled
charm-struck
charmed circle
charmed life
charnel house
chart a course
chart house
chart room
charter colony
charter hand
charter hold
charter land
charter member
charter party
charter school
charter-party
chartered accountant
chartered bus
chartreuse green
chartreuse tint
chartreuse yellow
chase after
chase away
chase gun
chase halter
chase hoop
chase mortise
chase mortised
chase off
chase out
chase piece
chase port
chase ring
chase up a stump
chase up a tree
chase women
chase your tail
chase-hooped
chase-hooping
chase-mortised
chaser hob
chasing lathe
chasse-maree
chassis fitter
chassis painter
chaste and fair
chaste as morning dew
chaste tree
 chastity belt
chat show
chat up
chateau gray
chateau wine
chaton foil
chattel house
chattel interest
chattel mortgage
chattel slave
chattels personal
chattels real
chatter mark
chatter water
chatterbox tree
chattering of the teeth
chaud-froid
chaud-melle
chaulmoogra oil
chaun-
chaw-bacon
chaw-stick
che sara sara
che-choy
cheadle dock
cheap as dirt
cheap at half the price
cheap at the price
cheap item
cheap money
cheap rates
cheap shot
cheap skate
cheap-jack
cheap-john
cheat death
cheat on
cheat the undertaker
check a parameter
check and doublecheck
check binding
check boy
check brace
check chamber
check collar
check endorser
check exchange
check folio
check gauge
check girl
check in
check in and out
check in full career
check key
check line
check list
check lock
check mark
check nut
check of
check off
check on
check out
check over
check over and through
check punch
check puncher
check rail
check ring
check roller
check sheet
check side
check stamp
check stamper
check stopper
check system
check the growth of
check the helm
check through
check up
check up and down
check up on
check valve
check washer
check your speech
check-
check-canceling
check-endorsing
check-flood
check-in
check-out
check-out pilot
check-over
check-perforating
check-roll
check-stone
check-string
check-writing
checked out
checked-out
checker plate
checker tree
checker-berry
checker-brick
checker-roll
checker-up
checkered lily
checkered plate
checking account
checking signals
checks and balances
cheddar pink
chee-chee
cheek block
cheek by cheek
cheek by jowl
cheek cut
cheek knee
cheek pouch
cheek strap
cheek to cheek
cheek tooth
cheek-by-jowl
cheer on
cheer pine
cheer the inner man
cheer to the very echo
cheer up
cheer-up
cheerful consent
cheerful expectation
cheerful fire
cheerful giver
cheerful outlook
cheerful readiness
cheery mood
cheery vein
cheese bail
cheese basket
cheese blintz
cheese block
cheese bolt
cheese cake
cheese cement
cheese chandler
cheese color
cheese cutter
cheese dream
cheese finger
cheese fly
cheese grater
cheese hoop
cheese it
cheese knife
cheese maggot
cheese maker
cheese making
cheese mite
cheese mold
cheese pitch
cheese plate
cheese press
cheese rack
cheese rennet
cheese running
cheese scoop
cheese skipper
cheese souffle
cheese straw
cheese toaster
cheese trier
cheese tub
cheese vat
cheese wring
cheese-head
cheese-headed
cheese-paring
cheesebox seat
cheesed off
cheeseparings and candle ends
chef d’oeuvre
chef d'oeuvre
chef d’ouvre
chef de cuisine
chef salad
chef-d'
chef-d'oeuvre
chefs de cuisine
chefs-d'oeuvre
cheil-
cheir-
cheiro-
chem-
chemic mixer
chemical analysis
chemical apparatus
chemical bond
chemical closet
chemical corps
chemical detector
chemical dictionary
chemical dynamics
chemical element
chemical elements
chemical engineer
chemical engineering
chemical equation
chemical fertilizer
chemical fuse
chemical lead
chemical physics
chemical potential
chemical reaction
chemical rocket
chemical solution
chemical sympathectomy
chemical toilet
chemical warfare
chemically pure
chemico-
chemin de fer
chemist's shop
chemo-
chemosynthetic bacteria
chenille Axminster
chenille carpet
chenille plant
chenille rug
chenopodium oil
cheoplastic metal
cheque card
chequer-chamber
chequer-wise
chequer-work
chequered flag
cherchez la femme
cherish a belief
cherish a feeling
cherish an idea
cherish at the heart's core
cherish the hope
cherish the memory of
cherokee rose
cheroonjie nut
cherry aphid
cherry apple
cherry bay
cherry birch
cherry bird
cherry bomb
cherry bounce
cherry brandy
cherry chopper
cherry coal
cherry coffee
cherry cordial
cherry country
cherry crab
cherry crush
cherry currant
cherry fair
cherry finch
cherry fruit fly
cherry fruit sawfly
cherry grader
cherry gum
cherry holly
cherry laurel
cherry leaf beetle
cherry leaf spot
cherry maggot
cherry mildew
cherry orange
cherry pepper
cherry picker
cherry pie
cherry pit
cherry pitter
cherry plum
cherry red
cherry rum
cherry scab
cherry scale
cherry seeder
cherry slug
cherry smash
cherry stone
cherry stoner
cherry sucker
cherry tomato
cherry wine
cherry-bob
cherry-cheeked
cerry-colored
cerry-crimson
cerry-flavored
cerry-laurel oil
cerry-lipped
cerry-merry
cerry-pie
cerry-red
cerry-ripe
cerry-rose
cerry-tree gum
cerry-wood
cert quarrier
chesapeake bay retriever
cheshire cat
cheshire cheese
chess apple
chess clock
chess notation
chess opening
chess rook
chess-apple
chess-men
chess-playing machine
chess-tree
chessylite blue
chest X-ray
chest expander
chest founder
chest foundering
chest lid
chest lock
chest maker
chest measurer
chest note
chest of drawers
chest of viols
chest protector
chest register
chest tone
chest voice
chest wall
chest weight
chest-deep
chest-foundered
chest-on-chest
chested arrow
chest white
chestnut bean
chestnut blight
chestnut borer
chestnut bottle
chestnut brown
chestnut bud
chestnut clam
chestnut coal
chestnut extract
chestnut flour
chestnut oak
chestnut roaster
chestnut sedge
chestnut shell
chestnut stuffing
chestnut timber worm
chestnut tongue
chestnut tree
chestnut weevil
chestnut-backed
chestnut-bark disease
chestnut-bellied
chestnut-brown
chestnut-collared
chestnut-colored
chestnut-crested
chestnut-crowned
chestnut-red
chestnut-roan
chestnut-sided
chestnut-winged
cheval de bataille
cheval de frise
cheval glass
cheval screen
cheval-de-frise
cheval-glass
chevalier bird
chevalier crab
chevaux de bataille
chevaux-de-frise
chevron-shaped
chew ass
chew out
chew over
chew the cud
chew the fat
chew the rag
chew the scenery
chew up
chew up the scenery
chew your
chewing gum
chewing louse
chewing tobacco
chewing-out
chez soi
chi-lin
chi-rho
chi-square
chi-square distribution
chi-square test
chi-squared test
chian turpentine
chica red
chick-pea
chickasaw plum
chicken Cacciatore
chicken Kiev
chicken Marengo
chicken Tetrazzini
chicken and dumplings
chicken bird
chicken breast
chicken broth
chicken cholera
chicken colonel
chicken coop
chicken corn
chicken fancier
chicken farm
chicken farmer
chicken farming
chicken feed
chicken foot
chicken grape
chicken gumbo
chicken halibut
chicken hawk
chicken hazard
chicken heart
chicken house
chicken ladder
chicken liver
chicken louse
chicken mite
chicken out
chicken paprikas
chicken pepper
chicken pest
chicken plover
chicken pox
chicken ranch
chicken roost
chicken salad
chicken septicemia
chicken snake
chicken soup
chicken switch
chicken thief
chicken tick
chicken tortoise
chicken turtle
chicken wire
chicken yard
chicken-billed
chicken-brained
chicken-breasted
chicken-breastedness
chicken-farming
chicken-hazard
chicken-hearted
chicken-heartedly
chicken-heartedness
chicken-livered
chicken-liveredness
chicken-meat
chicken-spirited
chicken-toed
chickens-toes
chickling vetch
chickweed family
chickweed phlox
chickweed wintergreen
chicle bleeder
chicle gum
chico mamey
chicory family
chief constable
chief cook
chief engineer
chief executive
chief executive officer
chief justice
chief justiceship
chief librarian
chief master sergeant
chief mate
chief of police
chief of staff
chief of state
chief of the deadly sins
chief officer
chief petty officer
chief pilot
chief rabbi
chief thing
chief warrant officer
chief-justiceship
chief-pledge
chiefly Austral
chiff chaff
chiff-chaff
chignon bob
chigoe flea
chigoe-poison
chih hsien
child actor
child benefit
child born out of wedlock
child care
child guidance
child labor
child labour
child life
child mind
child minder
child of nature
child prodigy
child psychiatry
child psychology
child rearing
child welfare
child's play
child-bearing
child-bereft
child-birth
child-fashion
child-god
child-hearted
child-heartenedness
child-loving
child-minded
child-mindedness
childbed fever
childhood's careless days
childish scrawl
childish treble
children of Israel
children of darkness
children of the devil
children's book
children's dictionary
children's hospital
children's librarian
children's magazine
children's shop
children's wear
chile con carne
chile niter
chile salt peter
chile sauce
chili and beans
chili con carne
chili pepper
chili powder
chili sauce
chili vinegar
chilio-
chill along the spine
chill casting
chill mold
chill plow
chill to the bone
chill to the marrow
chill your spine
chill-cast
chilled to the bone
chilli con carne
chilli pepper
chilli powder
chilli sauce
chilling wind
chills of fear
chills of terror
chilo-
chime hoop
chime in
chime in with
chime of bells
chime whistle
chiming bell
chimley neuck
chimney bar
chimney bellflower
chimney board
chimney breast
chimney cap
chimney corner
chimney flute
chimney glass
chimney hook
chimney jack
chimney lug
chimney money
chimney piece
chimney pink
chimney plant
chimney pot
chimney repainer
chimney rock
chimney stack
chimney stalk
chimney swallow
chimney sweep
chimney sweeper
chimney swift
chimney tax
chimney throat
chimney top
chimney tun
chimney wheel
chimney wing
chimney-piece
chimney-pot hat
chin cough
chin fly
chin music
chin rest
chin shield
chin stay
chin strap
chin whiskers
chin-bearded
chin-bone
chin-chin
chin-chinned
chin-chinning
chin-deep
chin-high
chin-up
chin-wag
china aster
china bark
china cabinet
china clay
china closet
china decorator
china painter
china painting
china rose
china shop
china stone
china tree
china-mania
chinaberry tree
chinar tree
chinbeak molding
chinch bug
chine gall
chine hoop
chinese cabbage
chinese chestnut
chinese date
chinese lacquer
chinese lantern
chinese puzzle
chinese wall
chinese white
chinic acid
chink in your armor
chink-backed
chinked back
chinking course
chinless wonder
chino-
chinoek jargon
chinook salmon
chinook wind
chinquapin oak
chip ax
chip basket
chip bird
chip board
chip break
chip budding
chip carving
chip in
chip log
chip of
chip of the old block
chip off
chip off the old block
chip on the shoulder
chip on your shoulder
chip pan
chip ring
chip shot
chip-hat palm
chip-proof
chipped beef
chipper-up
chipping ax
chipping bit
chipping chisel
chipping hammer
chipping piece
chipping sparrow
chipping squirrel
chiquichiqui palm
chir pine
chir-
chirk up
chiro-
chirp like a cricket
chisel bit
chisel grinder
chisel in
chisel maker
chisel making
chisel point
chisel steel
chisel temper
chisel tooth
chisel-cut
chisel-edged
chisel-pointed
chisel-shaped
chit-chat
chitino-arenaceous
chito melon
chittam bark
chittem bark
chitter-chatter
chittim bark
chitty-face
chive garlic
chlor-
chloracetic acid
chloral hydrate
chloramine-T
chloric acid
chloric ether
chloride of lime
chloride paper
chlorinated lime
chlorine azide
chlorine dioxide
chlorine family
chlorine peroxide
chlorine water
chloro-
chloroacetic acid
chlorobromid paper
chlorobromide paper
chloroformyl chloride
chlorophenol red
chlorophyll a
chlorophyll b
chlorophyll body
chloroplatinic acid
chlorosulfonic acid
chlorous acid
choc-ice
chock cheese
chock stone
chock-a-block
chock-full
chocolate bar
chocolate brown
chocolate cake
chocolate candy
chocolate chip cookie
chocolate corn
chocolate coverer
chocolate dipper
chocolate drop
chocolate eclair
chocolate family
chocolate milk
chocolate mill
chocolate mixer
chocolate mold
chocolate molder
chocolate molding
chocolate mousse
chocolate packer
chocolate pudding
chocolate sifter
chocolate soldier
chocolate tree
chocolate wrapper
chocolate-box
chocolate-brown
chocolate-coated
chocolate-colored
chocolate-flower
chocolate-red
chocaw-root
choice bit of dirt
choice morsel
choice of Hercules
choice of words
choice reaction
choice-drawn
choir aisle
choir chaplain
choir invisible
choir loft
choir manual
choir member
choir organ
choir rail
choir school
choir screen
choir stall
choir wall
choke apple
choke back
choke coil
choke collar
choke off
choke on
choke out
choke pear
choke point
choke up
choke-
choke-bore
choke-full
choked off
choked up
choked voice
choker setter
choking coil
choking off
chol-
cholane series
chole-
cholera horn
cholera infantum
cholera morbus
cholera nostras
cholic acid
choline esterase
cholo-
chomp at the bit
chondr-
chondro-
chondro-osseous
chondroitin-sulphuric
chondrotrophic hormone
choo-choo
choo-choo train
choo-chooed
choo-chooing
choof off
choose out
choose rather
choose to
choose up
chop and change
chop chop
chop dollar
chop down
chop logic
chop mark
chop sooy
chop stroke
chop suey
chop-cherry
chop-chop
chop-church
chop-fallen
chop-house
chop-logic
chop-stick
chop-suey
chopped steak
chopped-off
chopper cot
chopper tool
chopping block
chopping knife
chopping sea
choppy sea
chor bishop
choral conductor
choral dancer
choral dancing
choral director
choral fantasy
choral group
choral music
choral service
choral singer
choral singing
choral society
choral speaking
choral symphony
chorale prelude
chord chart
chord of the sixth
chord organ
chord packing
chord pitch
chord symbol
chorda dorsalis
chorda tendineae
chorda tympani
chordae tendineae
chor boy
chora minor
choro-
chori-
chorioallantoic membrane
chorionic gonadotrophin
chorionic gonadotropin
choroid coat
choroid membrane
choroid plexus
chorus boy
chorus frog
chorus girl
chorus man
chorus of cheers
chorus reed
chorus show
chorus singer
chose in possession
chose local
chose transitory
chosen freeholder
chosen kind
chosen people
chosen sort
choses in action
choses in possession
choses local
choses transitory
chota hazri
chou moellier
chou paste
chou pastry
chou-fleur
chose out of
choux pastry
chow chow
chow down
chow line
chow mein
chow-chow
chrisom child
christ's-thorn
christ-cross
christ-cross-row
christ-like
christ-tide
christcross-row
christian brother
christian dor
christian era
christian name
christian reformed
christian science
christiano-
christmas tree
christo-
christy minstrel
chrom-
chroma-blind
chromat-
chromatic aberration
chromatic circle
chromatic color
chromatic colour
chromatic scale
chromatic semitone
chromatic sign
chromatic spectrum
chromatic tetrachord
chromaticity coordinate
chromaticity coordinates
chromaticity diagram
chromatin strands
chromato-
chrome acetate
chrome alum
chrome aventurine
chrome black
chrome brick
chrome green
chrome iron
chrome iron ore
chrome leather
chrome lemon
chrome liquor
chrome orange
chrome oxide green
chrome primrose
chrome red
chrome scarlet
chrome sole
chrome spinel
chrome steel
chrome tanning
chrome vermillion
chrome yellow
chrome-nickel
chrome-nickel steel
chrome-tanned
chrome-vanadium steel
chromic acetate
chromic acid
chromic chloride
chromic fluoride
chromium acetate
chromium ammonium sulfate
chromium chloride
chromium family
chromium green
chromium oxide
chromium plate
chromium potassium sulfate
chromium sesquioxide
chromium steel
chromium trioxide
chromium yellow
chromium-plate
chromium-plated
chromo-
chromo-arsenate
chromosome complement
chromosome number
chromyl chloride
chron-
chronic alcoholic
chronic alcoholism
chronic bronchitis
chronic condition
chronic disease
chronic drunk
chronic ill health
chronic infectious arthritis
chronic inflammation
chronic leukemia
chronic pauperism
chronic poor
chronic poverty area
chronicle drama
chronicle history
chronicle play
chronique scandaleuse
chroniques scandaleuses
chrono-
chronological error
chronometer escapement
chrys-
chrysalis oil
chrysanthemum dog
chrysanthemum rust
chryso-
chrysolite green
chrysoprase green
chthonian worship
chub mackerel
chub sucker
chub-faced
chubby-faced
chuck and toss
chuck at
chuck farthing
chuck in
chuck it
chuck out
chuck plate
chuck rib
chuck roast
chuck steak
chuck under the chin
chuck up
chuck wagon
chuck-a-luck
chuck-farthing
chuck-full
chuck-luck
chuck-will's-widow
chucker-out
chuckers-out
chucking lathe
chucking out
chucking reamer
chucky-chuck
chucky-chucky
chug on
chug-a-lug
chug-chug
chukar partridge
chukka boot
chukka boots
chukker brown
chulan family
chum salmon
chum together
chum with
chump end
chupa-chupa
church bell
church book
church calendar
church council
church dignitary
church door
church father
church feast
church furnishing
church house
church invisible
church key
church member
church militant
church mode
church mouse
church music
church of england
church office
church organ
church parade
church part
church rate
church school
church seat
church service
church slavic
church suffering
church text
church triumphant
church vessel
church visible
church wedding
church work
church worker
church year
church-ale
church-chopper
church-door
church-gang
church-garth
church-government
church-papist
church-scot
church-soken
church-ward
churchyard cross
churidar pyjamas
churn drill
churn molding
churn out
churn supper
churn up
churn-butted
churr-owl
churr-worm
chute system
chute the chute
chute the chutes
chute-the-chute
chute-the-chutes
chylo-
chyrm-
chymo-
ci-
-ci-devant
ciba blue
cicada killer
cicatricial tissue
cich-pea
cider brandy
cider cup
cider gum
cider jack
cider maker
cider making
cider mill
cider press
cider tree
cider vinegar
cider wine
cigar beetle
cigar binder
cigar box
cigar case
cigar case-bearer
cigar clipper
cigar cutter
cigar holder
cigar lighter
cigar machine
cigar machinist
cigar maker
cigar making
cigar mold
cigar molder
cigar packer
cigar roller
cigar rolling
cigar smoker
cigar sorter
cigar spot
cigar store
cigar-box cedar
cigar-flower
cigar-loving
cigar-shaped
cigar-smoker
cigar-store Indian
cigarette beetle
cigarette break
cigarette butt
cigarette card
cigarette case
cigarette drain
cigarette end
cigarette factory
cigarette girl
cigarette holder
cigarette lighter
cigarette machine
cigarette maker
cigarette making
cigarette paper
cigarette roller
cigarette smuggling
cigarette sorter
cigarette tobacco
cigarette-smoker
ciliary body
ciliary muscle
ciliary process
ciliate-leaved
ciliate-toothed
cilo-spinal
cinch bill
cinch up
cinchona bark
cinder block
cinder breaker
cinder concrete
cinder cone
cinder frame
cinder gray
cinder mill
cinder notch
cinder patch
cinder path
cinder pig
cinder pit
cinder tap
cinder track
cine camera
cine film
cine-
cinema operator
cinema red
cinema theater
cinema verite
cinerary urn
cineres clavellati
cingulate gyrus
cinma vrit
cinnabar green
cinnabar red
cinnamic acid
cinnamic alcohol
cinnamic aldehyde
cinnamon apple
cinnamon bark
cinnamon bear
cinnamon brown
cinnamon fern
cinnamon flower
cinnamon honeysuckle
cinnamon oak
cinnamon oil
cinnamon rose
cinnamon sedge
cinnamon stone
cinnamon teak
cinnamon vine
cinnamon water
cinnamon-bark oil
cinnamon-leaf oil
cinnamoyl group
cinnamoyl radical
cinnamyl acetate
cinnamyl group
cinnamyl radical
cinque point
cinque ports
cinque-spotted
cipher disk
cipher up
circassian walnut
circle brick
circle cutter
circle driller
circle finisher
circle geometry
circle graph
circle in
circle of confusion
circle of convergence
circle of curvature
circle of least confusion
circle of the sphere
circle out
circle setter
circle shear
circle shears
circle squarer
circle theater
circle tour
circle trowel
circle-branching
circle-in
circle-out
circle-shearing
circle-squaring
circle-wise
circled about
circling boy
circling disease
circling-in
circling-out
circuit analysis
circuit analyzer
circuit binding
circuit breaker
circuit court
circuit court of appeals
circuit drive
circuit edges
circuit judge
circuit justice
circuit network
circuit rider
circuit training
circuit-riding
circuital field
circular argument
circular constant
circular error
circular error probable
circular function
circular knitting
circular letter
circular light
circular measure
circular mil
circular note
circular pitch
circular plane
circular polarization
circular probable error
circular sailing
circular saw
circular triangle
circular velocity
circular-cut
circular-cut file
circular-knit
circulate a petition
circulating capital
circulating capital goods
circulating decimal
circulating equation
circulating library
circulating medium
circulatory collapse
circulatory disease
circulatory system
circum-
circum-meridian
circumflex accent
circumscribed by
circumstantial evidence
circumvent the law
circus artist
circus make-up
circus movement
circus performer
circus rider
circus tent
circus troupe
cire perdue
cire-perdue
cirl bunting
cirque-couchant
cirr-
cirrh-
cirrhosis of the liver
cirrhotic inflammation
cirro-
cirro-cumular
cirro-cumulative
cirro-cumulus
cirro-cumulus
cirro-fillum
cirro-filum
cirro-macula
cirro-nebula
cirro-stome
cirro-strative
cirro-stratous
cirro-stratus
cirro-velum
cirrocumulus castellanus
cirrocumulus castellatus
cirrocumulus flocus
cirrocumulus lenticularis
cirrocumulus stratiformis
cirrostratus fibratus
cirrostratus filosus
cirrostratus nebulosus
cirrus castellanus
cirrus castellatus
cirrus cloud
cirrus densus
cirrus fibratus
cirrus flocus
cirrus haze
cirrus intortus
cirrus nothus
cirrus spissatus
cirrus stripe
cirrus uncinus
cis-
cis-Elizabethan
cis-elysian
cis-polyisoprene rubber
cis-trans
cis-trans test
cist grave
cistern barometer
cite a case in point
cite a particular
cite cases in point
cite on several counts
cite particulars
citizen by adoption
citizen of the world
citizens band
citizenship by adoption
citizenship by birth
citizenship by naturalization
citizenship paper
citizenship papers
cito disp
citr-
citra-
citrate of magnesia
citric acid
citric acid cycle
citricola scale
citron butterfly
citron green
citron melon
citron water
citron wood
citron yellow
citron-colored
citron-yellow
citronella circuit
citronella grass
citronella oil
citrovorum factor
citrus anthracnose
citrus belt
citrus black fly
citrus blast
citrus canker
citrus fruit
citrus nematode
citrus rust mite
citrus scab
citrus white fly
city block
city blues
city board
city center
city chicken
city company
city council
city councilman
city court
city crop
city desk
city directory
city district
city dweller
city edition
city editor
city father
city gas
city hall
city man
city manager
city mission
city missionary
city of the dead
city plan
city planner
city planning
city room
city slicker
city ward
city-born
city-bound
city-bred
city-commonwealth
city-god
city-manager plan
city-state
city-wide
civet bean
civet cat
civet fruit
civet-cat
civette green
civic centre
civic crown
civic garland
civic wreath
civic-minded
civic-mindedly
civic-mindedness
civil affairs
civil architect
civil architecture
civil ceremony
civil code
civil court
civil day
civil death
civil defence
civil defense
civil disobedience
civil disorder
civil engineer
civil engineering
civil government
civil jurisdiction
civil law
civil liberties
civil liberty
civil list
civil marriage
civil rights
civil servant
civil service
civil time
civil war
civil wedding
civil year
civil-law
civil-rights
civilian clothes
civilian dress
civilized behavior
civilized taste
clabber up
crack box
crack door
crack goose
crack valve
clado-
claim agent
claim as your right
claim attention
claim jumper
claim sanctuary
claim squatter's right
claim to be
claim your mind
claim your pound of flesh
claim your thoughts
claim-jumper
claim-jumping
claiming race
clair de lune
clair-obscure
clam chowder
clam digger
clam diggers
clam shell
clam up
clamber up
clammy azalea
clammy honeysuckle
clammy locust
clamor for
clamp bushing
clamp cell
clamp connection
clamp coupling
clamp dog
clamp down
clamp down on
clamp jig
clamp rail
clamp truck
clamp downing
clamshell brake
clamshell bucket
clamshell door
clamshell doors
clan tartan
clan totemism
clandestine behavior
clang association
clang color
clang tint
clap eyes on
clap hands
clap hands on
clap hold of
clap in jail
clap in prison
clap of thunder
clap on
clap on ratlines
clap on sail
clap on the back
clap sill
clap spurs to your horse
clap the hands
clap together
clap up
clap-net
clap-stick
clapped out
clapper block
clapper box
clapper bridge
clapper rail
clapper valve
clap-er-claw
classing of hands
clar-fire-obscure
clar-ent brown
clar-ent cup
clar-ent dun
clar-ent red
clar-ibel flute
clar-dified butter
clar-in trumpet
clar-inet flute
clar-ion call
clar-ion-voiced
clar-o obscu-ro
clar-gear
clar in color
clar of arms
clar with
clar-shing colors
clar-shingly colored
clar-sp hook
clar-sp knife
clar-sp lock
clar-sp nut
clar-sp-leaf-ed
class boat
class bond
class conflict
class consciousness
class day
class dialect
class distinction
class hatred
class inclusion
class interval
class leader
class list
class lottery
class mark
class meaning
class meeting
class name
class number
class prejudice
class publication
class rate
class ring
class structure
class struggle
class war
class warfare
class-cleavage
class-conscious
classic blues
classic example
classic purity
classical Nahuatl
classical Sanskrit
classical abstraction
classical ballet
classical college
classical conditioning
classical economics
classical economist
classical education
classical guitar
classical guitarist
classical language
classical mechanics
classical music
classical physics
classical pitch
classical purity
classical scholarship
classical tragedy
classico-
classico-lombardic
classification schedule
classification society
classification track
classification yard
classified ad
classified advertisement
classified advertising
classified catalog
classified directory
classified information
classroom building
clatter about
clause boundary
clause terminal
claustral prior
claver grass
clavicembal damour
claviculo-humeral
claw back
claw balk
claw bar
claw clutch
claw fern
claw foot
claw hammer
claw hand
claw hatchet
claw nut
claw off
claw setting
claw sickness
claw skyward
claw to windward of
claw your way up
claw-and-ball foot
claw-footed
claw-hammer coat
claw-tailed
clay agitator
clay band
clay burner
clay burning
clay court
clay crusher
clay digger
clay drab
clay drier
clay eater
clay fever
clay flour
clay grinder
clay iron
clay loam
clay marl
clay mill
clay miner
clay mineral
clay mixer
clay model
clay modeler
clay pan
clay pigeon
clay pipe
clay pit
clay press
clay pressman
clay pugger
clay pulverizer
clay sculpture
clay shale
clay slate
clay soil
clay stacker
clay stone
clay temperer
clay washer
clay works
clay worsted
clay-bound
clay-built
clay-cold
clay-colored
clay-colored sparrow
clay-digging
clay-dimmed
clay-drying
clay-faced
clay-filtering
clay-forming
clay-grinding
clay-lined
clay-mixing
clay-tempering
clay-washing
clay-wrapped
clayver-grass
clean as a hound's tooth
clean as a new penny
clean as a whistle
clean bill of health
clean bomb
clean forget
clean forgotten
clean full
clean hands
clean house
clean out
clean profit
clean room
clean rum
clean slate
clean sweep
clean up
clean up on
clean-
clean-appearing
clean-armed
clean-boled
clean-bred
clean-built
clean-complexioned
clean-cut
clean-faced
clean-feeding
clean-fingered
clean-grained
clean-handed
clean-legged
clean-limbed
clean-lived
clean-living
clean-looking
clean-made
clean-minded
clean-moving
clean-sailing
clean-saying
clean-seeming
clean-shanked
clean-shaped
clean-shaved
clean-shaven
clean-skin
clean-skinned
clean-smelling
clean-souled
clean-speaking
clean-sweeping
clean-thinking
clean-timbered
clean-washed
cleaned up
cleaner cell
cleaner tooth
cleaner-off
cleaner-out
cleaner-up
cleaning agent
cleaning crop
cleaning devices
cleaning fluid
cleaning hinge
cleaning lady
cleaning man
cleaning out
cleaning shoe
cleaning solvent
cleaning up
cleaning woman
cleanly habits
cleanse away
cleanse yourself of guilt
cleansing away
cleansing cream
cleansing tissue
clear and distinct
clear as crystal
clear as day
clear as ditch water
clear as glass
clear as mud
clear as the nose on your face
clear away
clear coast
clear conscience
clear course
clear eyes
clear for action
clear hawse
clear obscure
clear of
clear off
clear off old scores
clear out
clear plastic
clear profit
clear road
clear sailing
clear shellac
clear sight
clear soup
clear space
clear stage
clear text
clear the air
clear the board
clear the decks
clear the hurdle
clear the land
clear the mind
clear the mind of
clear the path for
clear the road for
clear the skirts of
clear the throat
clear the trade
clear the way
clear thinking
clear to hell and gone
clear up
clear varnish
clear wax
clear your name
clear-air turbulence
clear-boled
clear-channel station
clear-cole
clear-complexioned
clear-crested
clear-cut
clear-cutness
clear-cutting
clear-eye
clear-eyed
clear-eyes
clear-faced
clear-featured
clear-hawse breeches
clear-hawse pendant
clear-headed
clear-minded
clear-mindedness
clear-obscure
clear-sighted
clear-sightedly
clear-sightedness
clear-skinned
clear-spirited
clear-starch
clear-starcher
clear-stemmed
clear-story
clear-sunned
clear-throated
clear-tinted
clear-toned
clear-up
clear-visioned
clear-voiced
clear-walled
clear-witted
clearance angle
clearance car
clearance fit
clearance loan
clearance papers
clearance sale
clearance size
clearance space
clearer fabric
clearing agent
clearing bank
clearing bath
clearing bearing
clearing house
clearing lease
clearing loan
clearing mark
clearing nut
clearing of the track
clearing of your name
clearing out
clearing pole
clearing the decks
clearing up
clearinghouse agent
clearinghouse stock
clearly visible
clearwing moth
cleat work
cleavage cavity
cleavage cell
cleavage crystal
cleavage nucleus
cleave to
cleave to the line
cleave to the thought of
cleft grafting
cleft lip
cleft palate
cleft sentence
cleft weld
cleft-footed
cleft-graft
cleido-mastoid
cleido-occipital
cleidoic egg
clench your fist at
clench-built
clergy house
clerical collar
clerical error
clerical garments
clerical insignia
clerical order
clerico-
clerico-political
clerk in holy orders
clerk of the HouseBrit
clerk of the works
clerk regular
clerk vicar
clerk-ale
clers regular
clero-
clever Dick
clever reply
clever retort
clever-clever
clever-handed
clevis bolt
clew down
clew garnet
clew iron
clew jigger
clew line
clew ring
clew rope
clew up
cliche-ridden
click beetle
click catch
click hook
click iron
click pulley
click wheel
click-clack
clickety-clack
clickety-click
client's indemnity
client-centered therapy
cliff brake
cliff dweller
cliff dwelling
cliff edge
cliff elm
cliff face
cliff hanger
cliff path
cliff rose
cliff ruin
cliff swallow
cliff top
cliff wall
cliff-bound
cliff-chafed
cliff-girdled
cliff-hanger
cliff-hanging
cliff-marked
cliff-worn
climactic arthritis
climate of opinion
climatic bubo
climatic chart
climax basket
climax forest
climb Parnassus
climb down
climb indicator
climb milling
climb on
climb over
climb up
climb your frame
climb-down
climbing bittersweet
climbing fern
climbing fish
climbing frame
climbing fumitory
climbing hempweed
climbing hydrangea
climbing iron
climbing irons
climbing perch
climbing rose
climbing ylang-ylang
clin-
clinch joint
clinch nail
clinch work
clinch-built
clincher tire
clincher work
clincher-built
clinching iron
cling like a burr
cling like a winkle
cling like ivy
cling to
cling to the hope
cling-rascal
clinging vine
clinical death
clinical dextran
clinical diagnosis
clinical medicine
clinical pathology
clinical psychologist
clinical psychology
clinical surgery
clinical thermometer
clink shell
clink-clank
clinker beech
clinker boat
clinker brick
clinker plating
clinker strake
clinker work
clinker-built
clinker-laid plating
clinkety-clink
clinkum bell
clino-
clintonite group
clip bond
clip hook
clip joint
clip off
clip plate
clip the wings
clip the wings of
clip tongs
clip yoke
clip your words
clip-clop
clip-edged
clip-fed
clip-marked
clip-on
clip-winged
clipped form
clipped word
clipper bow
clipper ship
clipper sled
clipper-built
clippety-clop
clipping bureau
clipping time
clique with
clish-clash
clish-ma-claver
cloaca maxima
cloacae maxima
cloak baster
cloak dealer
cloak fern
cloak fitter
cloak hanger
cloak ironer
cloak maker
cloak operator
cloak pin
cloak presser
cloak trimming
cloak yourself
cloak yourself with
cloak-and-dagger
cloak-and-dagger operative
cloak-and-dagger work
cloak-and-suiter
cloak-and-sword
cloak-fashion
cloak-room
cloaked in darkness
clock card
clock chart
clock correction
clock error
clock golf
clock in
clock jack
clock meter
clock movement
clock off
clock on
clock out
clock plant
clock radio
clock setter
clock spring
clock stamp
clock star
clock tower
clock up
clock watch
clock watcher
clock winder
clock winding
clock-hour
clock-making
clock-minded
clock-watcher
clock-watching
clock-work
clockface method
clockwork regularity
clod crusher
clod crushing
clod fender
clod poll
clod pulverizer
clod roller
clod smasher
clod-brown
clod-hopper
clod-pate
clod-poll
clod-tongued
clodding press
clog almanac
clog dance
clog dancer
clog dancing
clog maker
clog up
clogged up
cloisonne enamel
cloister garth
cloister text
cloister vault
cloistered monasticism
cloistered monk
cloistered nun
cloistered vault
clonic spasm
clop-clop
close about
close acquaintance
close arrest
close at hand
close attention
close borough
close by
close call
close communion
close communionist
close company
close copy
close corporation
close down
close facsimile
close fighting
close fit
close formation
close friend
close gauntlet
close grips
close harmony
close helmet
close imitation
close in
close in on
close inquiry
close juncture
close likeness
close line
close main vents
close match
close of day
close off
close on
close or watchful attention
close out
close position
close quarters
close quote
close quotes
close range
close reach
close replica
close reproduction
close resemblance
close season
close secrecy
close shave
close shop
close shot
close squeak
close string
close study
close the books
close the circle
close the conning tower hatch
close the door on
close the eyes to
close the hand
close the jaws of the pincers
close the jaws of the trap
close the light
close the purse
close the shutters
close tight
close to
close to the wind
close to your chest
close to your heart
close up
close up like a clam
close upon
close with
close with the land
close your ears
close your eyes
close your eyes to
close your mind
close your mouth
close-annealed
close-at-hand
close-banded
close-barred
close-bitten
close-bodied
close-bred
close-buttoned
close-by
close-clad
close-clapped
close-clipped
close-coifed
close-compacted
close-connected
close-couched
close-coupled
close-cropped
close-curved
close-curtained
close-cut
close-drawn
close-eared
close-fertilization
close-fertilize
close-fibered
close-fights
close-fisted
close-fitting
close-gleaning
close-grain
close-grained
close-grated
close-handed
close-haul
close-hauled
close-headed
close-herd
close-hooded
close-in
close-jointed
close-kept
close-knit
close-latticed
close-legged
close-lipped
close-lying
close-meshed
close-minded
close-mouthed
close-order drill
close-out
close-packed
close-partnered
close-pent
close-piled
close-pressed
close-reef
close-reefed
close-ribbed
close-rounded
close-set
close-shanked
close-shaven
close-shut
close-soled
close-standing
close-sticking
close-stool
close-talking microphone
close-tempered
close-textured
close-thinking
close-tongued
close-up
close-visaged
close-winded
close-woven
close-written
closed arc
closed book
closed chain
closed circle
closed circuit
closed company
closed cornice
closed corporation
closed couplet
closed forever to
closed fracture
closed game
closed gentian
closed loop
closed meeting
closed mind
closed mortgage
closed primary
closed scholarship
closed sentence
closed sequence
closed shell
closed shop
closed sphere
closed string
closed system
closed to
closed traverse
closed union
closed-circuit
closed-circuit cell
closed-circuit grinding
closed-circuit telegraphy
closed-circuit television
closed-circuit winding
closed-coil
closed-coil armature
closed-door
closed-end
closed-end fund
closed-end investment company
closed-in
closed-loop system
closed-minded
closed-out
closely related
closet cynic
closet drama
closet queen
closet yourself with
closeup lens
closing costs
closing error
closing machine
closing off
closing price
closing time
closing up
closing-out sale
closure by compartment
closure rail
clot-bird
clot-bur
clot-poll
cloth baler
cloth beam
cloth beetler
cloth binding
cloth board
cloth brusher
cloth cap
cloth carbonizer
cloth cleaner
cloth clipper
cloth coat
cloth cutter
cloth doubler
cloth dresser
cloth drier
cloth finisher
cloth folder
cloth fuller
cloth hall
cloth lapper
cloth maker
cloth measure
cloth measurer
cloth mercer
cloth miller
cloth napper
cloth numberer
cloth of gold
cloth oil
cloth packer
cloth paper
cloth piecer
cloth plate
cloth press
cloth presser
cloth printer
cloth prover
cloth red
cloth roll
cloth scourer
cloth shearer
cloth shrinker
cloth slitter
cloth sorter
cloth Stamper
cloth stitch
cloth stretcher
cloth tape
cloth tenter
cloth tester
cloth warper
cloth weaver
cloth weigher
cloth yard
cloth yard shaft
cloth-backed
cloth-calendering
cloth-covered
cloth-cropping
cloth-cutting
cloth-drying
cloth-dyeing
cloth-eared
cloth-faced
cloth-finishing
cloth-folding
cloth-inserted
cloth-laying
cloth-lined
cloth-maker
cloth-measuring
cloth-of-gold
cloth-shearing
cloth-shrinking
cloth-smoothing
cloth-sponger
cloth-spreading
cloth-stamping
cloth-testing
cloth-weaving
cloth-winding
cloth-yard
clothbound book
clothe in words
clothe with power
clothed in darkness
clothed with authority
clothes beater
clothes bin
clothes chest
clothes closet
clothes hamper
clothes hanger
clothes louse
clothes maid
clothes maiden
clothes moth
clothes peg
clothes pole
clothes post
clothes presser
clothes rack
clothes screen
clothes spoiling
clothes stick
clothes stop
clothes tree
clothes wringer
clothes-conscious
clothes-consciousness
clothes-drier
clothes-drying
clothes-peg
clothes-press
clothes-washing
clothing merchant
clothing store
clothing wool
clotted cream
clotting factor
clouture by compartment
cloud band
cloud bank
cloud banner
cloud belt
cloud burst
cloud cap
cloud chamber
cloud city
cloud cover
cloud drift
cloud forest
cloud funnel
cloud grass
cloud gray
cloud layer
cloud mass
cloud nine
cloud of words
cloud over
cloud physics
cloud point
cloud rack
cloud ring
cloud seeder
cloud seeding
cloud shapes
cloud stone
cloud street
cloud study
cloud up
cloud-ascending
cloud-barred
cloud-born
cloud-built
cloud-capped
cloud-capped peak
cloud-compacted
cloud-compeller
cloud-compelling
cloud-covered
cloud-crammed
cloud-crossed
cloud-cuckoo-land
cloud-curtained
cloud-dispelling
cloud-dividing
cloud-drowned
cloud-eclipsed
cloud-enveloped
cloud-flecked
cloud-girt
cloud-headed
cloud-hidden
cloud-kissing
cloud-laden
cloud-led
cloud-piercing
cloud-rocked
cloud-scaling
cloud-seeding
cloud-shaped
cloud-surmounting
cloud-surrounded
cloud-topped
cloud-topped peak
cloud-touching
cloud-woven
cloud-wrapped
clouded mind
clouded over
clouded sulfur
cloudless sulphur
clouds on the horizon
clout nail
clout shoot
clout shot
clout-shoe
clove brown
clove carnation
clove cassia
clove cinnamon
clove currant
clove gillyflower
clove hitch
clove hook

clove nutmeg

clove oil

clove pepper

clove pink

clove tree

clove-gillyflower

clove-strip

cloven foot

cloven hoof

cloven-footed

cloven-footedness

cloven-hoofed

clover aphid

clover bloom

clover blossom

clover broom

clover broomrape

clover cent

clover dodder

clover fern

clover grass

clover hay

clover hay worm

clover head

clover honey

clover leaf

clover mite

clover root

clover root borer

clover rot

clover seed

clover stubble

clover weevil

clover wilt

clover worm

clover-grass

clover-leaf midge

clover-leaf roll

clover-seed midge

clover-sick

clover-sickness

cloverleaf aerial

clovis point

clow-gilo"""

clown around

cloon white

club car
club chair
club cheese
club compass
club coupe
club fighter
club foot
club fungus
club grass
club hand
club head
club law
club link
club lounge chair
club mold
club moss
club mosses
club palm
club plane
club root
club rush
club sandwich
club shell
club skate
club soda
club sofa
club steak
club together
club tooth
club topsail
club wheat
club-armed
club-ended
club-fist
club-foot
club-footed
club-footed jib
club-haul
club-headed
club-high
club-law
club-man
club-moss
club-moss family
club-riser
club-rush
club-shaped
clubfoot moss
clumber spaniel
clump block
clamp foot
clamp-head grass
clampy performance
clampy-fisted
cluster bean
cluster cup
cluster fig
cluster fir
cluster flower
cluster fly
cluster leg
cluster pine
cluster point
cluster variable
cluster wheat
cluster-cup lichen
cluster-cup stage
clusterhead pink
clutch bag
clutch shaft
clydesdale terrier
clypeo-
clypeo-
clypeo-
clypeo-
co-adaptation
co-adjust
co-adventure
co-afforest
co-agency
co-allied
co-ally
co-appear
co-aration
co-assessor
co-assist
co-attest
co-ax
co-bishop
co-brother
co-clause
co-conspirator
co-defendant
co-driver
co-ed
co-education
co-effect
co-efficacy
co-equate
coe-establishment
coe-estate
coe-executor
coe-exist
coe-feoffee
coe-guardian
coe-infinite
coe-inhabit
coe-inhere
coe-inheritor
coe-labourer
coe-latitude
coe-lessee
coe-life
coe-mart
coe-martyr
coe-mate
coe-nominee
coe-obligant
coe-oblige
coe-obligor
coe-occupant
coe-occupy
coe-occurrence
coe-omnipotent
coe-omniscient
coe-op
coe-operable
coe-operancy
coe-operant
coe-operate
coe-operation
coe-operationist
coe-operative
coe-operatively
coe-operativeness
coe-operator
coe-operculum
coe-opt
coe-optate
coe-optation
coe-optative
coe-option
coe-optive
coe-ordain
coe-ordainer
coe-order
co-ordinacy
cor-ordinal
cor-ordinance
cor-ordinancy
cor-ordinate
cor-ordinately
cor-ordinateness
cor-ordination
cor-ordination formula
cor-ordination number
cor-ordinative
cor-ordinator
cor-ordinatory
cor-organize
cor-origin
cor-original
cor-originality
cor-orthogonal
cor-orthotomic
cor-ossification
cor-ossify
cor-owner
cor-ownership
cor-patriot
cor-presence
cor-radicate
cor-regent
cor-relation
cor-religionist
cor-respondent
cor-rival
cor-sentient
cor-signatory
cor-signer
cor-sovereign
cor-star
cor-starred
cor-starring
cor-subordinate
cor-supreme
cor-sureties
cor-surety
cor-tenant
cor-tidal
cor-trustee
cor-une
cor-unite
cor-use
co-versed
cowalker
cowidow
cowife
cowinner
cowork
coworker
coworking
coworship
coach box
coach carver
coach coat
coach dog
coach driver
coach driving
coach guard
coach hire
coach horse
coach house
coach maker
coach painter
coach road
coach screw
coach-and-four
coach-box
coach-built
coach-whip
coaching glass
coaching house
coaching inn
coachwhip bird
coachwhip snake
coadjutor bishop
coagulated protein
coal backer
coal backing
coal ball
coal barge
coal barrow
coal basket
coal bin
coal blacking
coal blende
coal boat
coal brass
coal breaker
coal bucket
coal bunker
coal car
coal cart
coal cartman
coal cellar
coal checker
coal chute
coal cleaner
coal contractor
coal conveyer
coal crusher
coal cutter
coal depot
coal digger
coal discharger
coal dredger
coal drill
coal dump
coal dust
coal elevator
coal field
coal flap
coal fleet
coal furnace
coal gas
coal goose
coal grinder
coal hauler
coal hawker
coal heat
coal heaver
coal hewer
coal hod
coal hoist
coal hole
coal kiln
coal labeler
coal leveler
coal loader
coal lumper
coal measures
coal mine
coal miner
coal mining
coal oil
coal operator
coal passer
coal picker
coal pipe
coal pit
coal plant
coal pocket
coal pot
coal producer
coal pulverizer
coal refiner
coal scoop
coal screen
coal screener
coal scuttle
coal shaker
coal ship
coal shovel
coal shovel
coal sieve
coal sorter
coal spreader
coal sprinkler
coal stacker
coal storage
coal stove
coal tallyman
coal tar
coal tipper
coal tipple
coal tit
coal tongs
coal trimmer
coal truck
coal unloader
coal wagon
coal washer
coal washery
coal weigher
coal wharf
coal wharfinger
coal workings
coal works
coal-bearing
coal-black
coal-blue
coal-boring
coal-breaking
coal-burning
coal-cutting
coal-dark
coal-dumping
coal-elevating
coal-eyed
coal-faced
coal-fired
coal-fish
coal-gas
coal-handling
coal-house
coal-laden
coal-leveling
coal-loading
coal-man
coal-measure
coal-meter
coal-miner's lung
coal-picking
coal-pit
coal-producing
coal-pulverizing
coal-sack
coal-scuttle
coal-sifting
coal-stone
coal-tar
coal-tar creosote
coal-tar crude
coal-tar dye
coal-tar pitch
coal-tester
coal-tit
coal-whipper
coal-whipping
coal-works
coaling station
coalition government
coarse fish
coarse texture
coarse-featured
coarse-fibered
coarse-grained
coarse-grainedness
coarse-haired
coarse-handed
coarse-lipped
coarse-minded
coarse-skinned
coarse-spoken
coarse-spun
coarse-textured
coarse-tongued
coarse-toothed
coarse-wrought
coarseness of grain
coarseness of intellect
coast artillery
coast belt
coast fever
coast grass
coast guard
coast guard cutter
coast jointweed
coast lily
coast live oak
coast nutmeg
coast patrol
coast pilot
coast rat
coast redwood
coast rhododendron
coast seal
coast station
coast trade
coast trillium
coast-fishing
coast-guard cutter
coast-to-coast hookup
coastal navigation
coastal plain
coaster brake
coasting flight
coasting lead
coasting trade
coasting wagon
costwise navigation
coat armor
coat armour
coat arms
coat card
coat flower
coat hanger
coat money
ccoat of arms
ccoat of mail
ccoat of paint
ccoat shirt
coat-armour
ccoat-card
ccoat-money
ccoat-of-mail shell
ccoat-of-plates construction
ccoat-tail
ccoated lens
ccoati-mondi
ccoati-mundi
ccoating paper
ccoaxial cable
ccoaxial network
ccoaxial propellers
ccoaxial speaker
ccob cactus
ccob coal
ccob loaf
ccob meal
ccob money
ccob swan
ccob wall
ccob-iron
ccob-nut
ccob-swan
ccobalt 60
ccobalt bloom
ccobalt blue
ccobalt bomb
ccobalt bronze
ccobalt chloride
ccobalt crust
ccobalt glance
ccobalt glass
ccobalt green
ccobalt hydroxide
ccobalt potassium nitrite
ccobalt red
ccobalt sulphate
ccobalt therapy
ccobalt ultramarine
ccobalt violet
ccobalt violet deep
ccobalt violet light
ccobalt vitriol
ccobalt yellow
ccobalt-
ccobaltiferous wad
ccobalto-
cobaltous hydroxide
cobble coal
cobble gravel
cobble rammer
cobble-stone
cobbler's wax
cobra de capello
cobra plant
cobra-hooded
cobras de capello
coburg loaf
cobweb bird
cobweb houseleek
cobweb micrometer
cobwebs of antiquity
cocaine family
cocaine plant
cocaine sniffer
coccidioidal granuloma
coccus indicus
cocy-
coccygeo-anal
coccygeo-mesenteric
coccygo-
cochil sapota
cochin china
cochin oil
cochin-china
cochineal cactus
cochineal fig
cochineal insect
cochineal plant
cochit zapotl
cochlear duct
cochleariform process
cohon de lait
cochylis moth
cock a snook
cock a snook at
cock ale
cock and pie
cock bead
cock bread
cock broth
cock crowing
cock feather
cock metal
cock of the walk
cock of the woods
cock penny
cock robin
cock schnapper
cock sorrel
cock sparrow
cock the ears
cock the eye
cock up
cock's head hinge
cock's-comb
cock's-foot
cock's-head
cock-a
cock-a-doodle
cock-a-doodle--doood
cock-a-doodle--dooming
cock-a-doodle-doo
cock-a-doodle-doos
cock-a-hoop
cock-a-hooping
cock-a-hoopish
cock-a-hoopness
cock-a-leekie
cock-a-whoop
cock-and-bull
cock-and-bull story
cock-and-bull-story
cock-and-pinche
cock-as-hoop
cock-awhoop
cock-bill
cock-boat
cock-brain
cock-brained
cock-crow
cock-crowing
cock-eye
cock-eyed
cock-feathered
cock-feathering
cock-fight
cock-fighting
cock-horse
cock-laird
cock-loft
cock-master
cock-match
cock-nest
cock-of-the-rock
cock-paddle
cock-penny
cock-road
cock-shut
cock-shy
cock-sparrowish
cock-stride
cock-sure
cock-tailed
cock-throppled
cock-up
cockatoo bush
cockatoo farmer
cockatoo fence
cockatoo fish
cockatoo grass
cockatoo orchis
cockatoo parakeet
cocked hat
cocker spaniel
cocket center
cocket centering
cockeye bob
cockeye pilot
cockeyed bob
cockeyed drunk
cockie-leekie
cocking cart
cockle button
cockle garden
cockle hat
cockle oast
cockle stairs
cockle stove
cockle strewer
cockle wheat
cockle-bread
cockle-headed
cockle-shell
cockles of the heart
cockles of your heart
cocks-of-the-rock
cockscomb grass
cocksfoot grass
cockspur flower
cockspur grass
cockspur hawthorn
cockspur rye
cockspur thorn
cockspur vine
cocktail chair
cocktail dress
cocktail glass
cocktail hour
cocktail lounge
cocktail party
cocktail sauce
cocktail shaker
cocktail stick
cocktail table
cocktail-party chitchat
cocky-leeky
cookyolly bird
cokyoly bird
coco de mer
coco grass
coco palm
coco plum
coco sedge
coco-plum
cocoa bean
cocoa beans
cocoa brown
cocoa butter
cocoa plant
cocoa presser
cocoa red
cocoa sedge
cocoa shell
cocoa tea
cocoa-brown
cocoa-colored
coconut beetle
coconut brown
coconut bud rot
coconut butter
coconut cake
coconut crab
coconut cream
coconut ice
coconut jelly
coconut matting
coconut meal
coconut mealy bug
coconut milk
coconut oil
coconut palm
coconut shy
cocoanut tree
cocoanut walk
cocoanut water
cocoanut-palmo rot
cod end
cod line
cod liver
cod net
cod oil
cod war
cod-bait
cod-fish
cod-liver meal
cod-liver oil
cod-piece
cod-smack
coda mark
coddle yourself
coddled eggs
coddy-moddy
code book
code duello
code flag
code of ethics
code of laws
code of morals
code of oral communication
code pennant
code state
code word
coded message
codeine cough syrup
codex rescriptus
codfish aristocracy
codfish balls
codfish cakes
codlin moth
codling moth
codlins-and-cream
coeducational school
coefficient component
coefficient of acceleration
coefficient of elasticity
coefficient of expansion
coefficient of fineness
coefficient of friction
coefficient of mutual induction
coefficient of performance
coefficient of restitution
coefficient of self-induction
coefficient of viscosity
coel-
coelanaglyphic sculpture
coeliac disease
coeлиc plexus
coeлиc-
coelo-
coen-
coeno-
coercive force
coff-fronted
coffee bag
coffee bar
coffee bean
coffee beans
coffee berry
coffee blight
coffee borer
coffee bread
coffee break
coffee cake
coffee cherry
coffee corn
coffee cream
coffee cup
coffee disease
coffee fern
coffee grinder
coffee house
coffee klatch
coffee klatsch
coffee maker
coffee mill
coffee morning
coffee nib
coffee nut
coffee party
coffee pea
coffee plant
coffee planter
coffee ring
coffee roaster
coffee royale
coffee senna
coffee shell
coffee shop
coffee spoon
coffee stall
coffee strainer
coffee table
coffee tree
coffee urn
coffee wit
coffee-and
coffee-blending
coffee-brown
coffee-cleaning
coffee-color
coffee-colored
coffee-faced
coffee-grading
coffee-grinder winch
coffee-grinding
coffee-house
coffee-imbibing
coffee-klatsch
coffee-making
coffee-planter
coffee-planting
coffee-polishing
coffee-roasting
coffee-room
coffee-scented
coffee-table book
coffer-dam
coffer-work
coffer-dam bulkhead
coffin block
coffin boat
coffin bone
coffin carrier
coffin corner
coffin finisher
coffin handle
coffin joint
coffin maker
coffin nail
coffin plate
coffin spark
coffin text
coffin trimmer
coffin-end spoon
coffin-fashioned
coffin-headed
coffin-joint lameness
coffin-shaped
cog locomotive
cog railroad
cog railway
cog the dice
cog-wheel
cog-wood
cogent argument
cogged joint
cogging mill
cognac oil
cognate object
cognitive dissonance
cognitive psychology
cognizant of
cogswell chair
cogwheel ore
cogwheel respiration
coherence theory
coherent light
cohune fat
cohune nut
cohune oil
cohune palm
coin of vantage
coil bobbin
coil box
coil former
coil pottery
coil spring
coil-filling
coil-testing
coil-winding
coiler can
coiler plate
coin a phrase
coin assorter
coin bag
coin box
coin case
coin changer
coin check
coin collector
coin counter
coin envelope
coin fancier
coin glass
coin gold
coin guard
coin holder
coin laundry
coin lock
coin machine
coin money
coin nickel
coin of the realm
coin planchet
coin pouch
coin ringer
coin sack
coin shell
coin silver
coin slot
coin sorter
coin stamper
coin telephone
coin tester
coin tray
coin weight
coin wrapper
coin-clipper
coin-clipping
coin-controlled
coin-counting
coin-made
coin-op
coin-operated
coin-operated laundry
coin-operated machine
coin-operating
coin-separating
coin-shaped
coin-weighing
coinage bronze
coinage of the brain
coinage ratio
coincidence counter
coined liberty
coining press
coining punch
coinsurance clause
coital exanthema
coitus interrupti
coitus interruptus
coitus reservatus
coke breeze
coke dust
coke iron
coke oven
coke plate
coke tin
coke tower
coke-bottle fuselage
coker-sack
col legno
cola nut
cola seed
colatitude circle
colcannon night
colchicum root
cold abscess
cold as a welldigger's ass
cold as a witch's kiss
cold as a witch's tit
cold as charity
cold as death
cold as ice
cold as marble
cold blast
cold blood
cold cash
cold cathode
cold cathode tube
cold cautery
cold chisel
cold color
cold comfort
cold cream
cold creeps
cold cuts
cold deck
cold drink
cold duck
cold fact
cold feet
cold fish
cold frame
cold front
cold heart
cold light
cold light of reality
cold meat
cold of heart
cold pack
cold patch
cold place
cold pole
cold purgatorial fires
cold rubber
cold sauces
cold season
cold sector
cold sensation
cold shivers
cold short
cold shoulder
cold shower
cold shut
cold snap
cold sober
cold sore
cold sores
cold spell
cold steel
cold storage
cold straightener

cold sweat
cold therapy
cold turkey
cold type
cold war
cold warrior
cold water
cold wave
cold weather
cold wind
cold work
cold-blooded
cold-bloodedly
cold-bloodedness
cold-braving
cold-catching
cold-chisel
cold-chiseled
cold-chiseling
cold-chiselled
cold-chiselling
cold-complexioned
cold-cream
cold-draw
cold-drawing
cold-drawn
cold-drew
cold-engendered
cold-faced
cold-finch
cold-flow
cold-forge
cold-hammer
cold-hammered
cold-head
cold-hearted
cold-heartedly
cold-heartedness
cold-meat fork
cold-natured
cold-nipped
cold-pack
cold-pack method
cold-patch
cold-pated
cold-press
cold-producing
cold-roll
cold-rolled
cold-saw
cold-short
cold-shortness
cold-shoulder
cold-shut
cold-slain
cold-spirited
cold-storage
cold-store
cold-swage
cold-sweat
cold-taking
cold-type
cold-type proof
cold-type typesetting
cold-water
cold-water cure
cold-water flat
cold-water glue
cold-water paint
cold-wave flag
cold-weld
cold-white
cold-work
cold-working
cole slaw
cole titmouse
cole-goose
cole-prophet
cole-rake
cole-slaw
cole-staff
cole-tit
colen-bell
colewort green
coliform bacillus
coliform bacteria
coliform bacterium
colinear beam antenna
coliseum ivy
coll' arco
coll-
colla tempestada
collagen disease
collapse breccia
collapse of authority
collapse ring
collapse therapy
collapsed lung
collapsing tap
collar bag
collar beam
collar bearing
collar blight
collar bolt
collar box
collar button
collar buttoner
collar case
collar cell
collar cutter
collar day
collar disease
collar edger
collar fastener
collar finisher
collar fungus
collar gauge
collar girdle
collar iron
collar ironer
collar machinist
collar maker
collar making
collar nut
collar pad
collar point
collar polisher
collar rot
collar shaper
collar starcher
collar stitcher
collar stud
collar tie
collar tree
collar work
collar-bone
collar-bound
collar-cutting
collar-shaping
collar-to-collar
collar-wearing
collard greens
collared dove
collared lizard
collared peccary
collateral circulation
collateral descendant
collateral evidence
collateral loan
collateral relative
collateral security
collateral trust bond
collateral warranty
collating mark
collect a duty on
collect a tax on
collect call
collect for your services
collect knowledge
collect learning
collect of the Communion
collect of the Mass
collect on delivery
collect oneself
collect your thoughts
collect yourself
collected edition
collected sayings
collected works
collecting battalion
collecting hair
collecting tubule
collection agency
collection agent
collective action
collective agreement
collective agreements
collective bargaining
collective behavior
collective enterprise
collective farm
collective farm worker
collective fruit
collective memory
collective noun
collective ownership
collective pitch lever
collective security
collective unconscious
collectivized economy
collector current
collector electrode
collector junction capacitance
collector of internal revenue
collector resistance
collector ring
collector signal current
collector signal voltage
colleen deas
colleen donn
college board
college boy
college cap
college church
college dictionary
college editor
college girl
college graduate
college ice
college man
college of Laputa
college of advanced technology
college of architecture
college of arms
college of dramatic arts
college of education
college of engineering
college of general studies
college of liberal arts
college of music
college of education
college pheasant
college pudding
college student
college try
college widow
college year
college-bred
college-preparatory
collegiate church
collegiate institute
collegium musicum
collet chuck
collet foot
collier's purchase
colliery manager
collimating eyepiece
collimating lens
collimation axis
collimation error
collimation line
collimation plane
collision bulkhead
collision clause
collision course
collision density
collision diameter
collision emission
collision insurance
collision mat
collision-proof
collo-
collodio-
collodion cotton
collodion process
colloid carcinoma
colloid chemistry
colloid mill
colloidal solution
colloidal suspension
colloquial English
colloquial discourse
colloquial language
colloquial speech
colloquial usage
colo-
cologne plant
cologne spirits
cologne water
colon bacillus
colonel blimp
colonel commandant
colonel general
colonel-commandantship
colonial bent
colonial dollar
colonial experience
colonial government
colonial siding
colonialist threat
coloph-
color analysis
color analyzer
color arrangement
color balance
color bar
color base
color blender
color blindness
color blocker
color blower
color box
color brush
color camera
color card
color cell
color changeling
color chart
color checker
color chest
color cinematography
color circle
color clash
color company
color compatibility
color cone
color constant
color contrast
color control
color cycle
color design
color designer
color diagram
color dimension
color doctor
color dominance
color dry sifter
color dryer
color drying
color dyer
color emissivity
color etcher
color film
color filter
color gamut
color gauge
color gelatin
color grinder
color guard
color harmony
color hearing
color index
color instrument
color instruments
color intensity
color kinescope
color line
color matcher
color measurement
color mill
color miller
color mixer
color mixture
color mixture curve
color mixture function
color music
color musician
color negative film
color organ
color party
color patterns
color phase
color photograph
color photography
color point
color print
color printing
color proof
color puri ty
color quality
color ratio
color reversal film
color salute
color scale
color scheme
color screen
color sense
color sentinel
color separation
color sergeant
color slab
color solid
color spectrum
color spreader
color striker
color system
color target
color television
color temperature
color tone
color top
color tree
color triangle
color up
color vision
color wash
color weakness
color wheel
color with emotion
color zone
color-ball pool
color-bearer
color-blind
color-fading
color-free
color-grinding
color-matching
color-mixture curve
color-sensitize
color-testing
color-washed
colorado loco vetch
coloratura soprano
colored glasses
colored person
colored spectacles
colored stone
colorful imagination
colorful language
colorimetric quality
coloring book
coloring matter
coloring tool
colors in patches
colors of rhetoric
colossal order
colossus of knowledge
colour bar
colour code
colour filter
colour guard
colour index
colour line
colour phase
colour scheme
colour sergeant
colour supplement
colour-blind
colour-box
colpach heifer
colpo-
colt ale
colt distemper
colt evil
colt's tail
colt's-tail
colt-herb
colt-pixie
coltsfoot snakeroof
columbine blue
columbium pentoxide
columbo wood
columbus day
columella auris
columella cranii
column bone
column chromatography
column formula
column inch
column krater
column lathe
column rule
column shaper
column still
column vector
columna caelata
columna rostrata
columnae caelatae
columnar epithelium
columnar jointing
columnar structure
columnar tactics
colza oil
com-
coma berenices
coma vigil
comb back
comb bearer
comb case
comb disease
comb duck
comb fern
comb foundation
comb grain
comb holder
comb honey
comb jelly
comb marbling
comb morion
comb out
comb pot
comb pottery
comb rat
comb speedwell
comb ware
comb wheat grass
comb-back
comb-back chair
comb-broach
comb-brush
comb-building
comb-footed
comb-footed spider
comb-fringed grass
comb-grained
comb-out
comb-shaped
comb-toothed shark
combat area
combat boot
combat boots
combat car
combat ceiling
combat command
combat duty
combat engineer
combat fatigue
combat flight
combat group
combat high-explosive rocket
combat intelligence
combat jacket
combat neurosis
combat pilot
combat plane
combat post
combat practice
combat rehearsal
combat rocket
combat service
combat team
combat train
combat unit
combat zone
comitative reaction
combed ware
combed yarn
comber board
combination analysis
combination button
combination car
combination center drill
combination chuck
combination consolidation
combination crossing
combination cut
combination door
combination frame
combination fuse
combination jig
combination last
combination lathe
combination lock
combination longwall
combination microphone
combination note
combination pedal
combination piston
combination plane
combination plate
combination plow
combination principle
combination rate
combination room
combination rubber
combination salad
combination shot
combination square
combination tone
combinatorial analysis
combinatorial mathematics
combinatorial topology
combinatory logic
combine harvester
combine in
combined effort
combined experience table
combined operation
combined operations
combing hair
combing machine
combing wool
combining form
combining weight
combust way
combustible material
combustion cell
combustion chamber
combustion engine
combustion engineer
combustion engineering
combustion furnace
combustion lag
combustion method
combustion motor
combustion spoon
combustion train
combustion tube
come a cropper
come about
come across
come across with
come afoul of
come after
come again
come again and again
come alive
come along
come among
come and get it
come and go
come apart
come apart at the seams
come around
come around to
come as a shock
come as a surprise
come as no surprise
come as you are
come at
come at your call
come away
come back
come back at
come barging in
come before
come behind
come between
come breezing in
come busting in
come by
come by chance
come by your own
come clean
come close
come close on the heels of
come closer
come crashing down
come down
come down a peg
come down a peg or two
come down in buckets
come down in price
come down in sheets
come down in torrents
come down on
come down on the side of
come down on your marrowbones
come down out of the clouds
come down squarely in the middle
come down to earth
come down upon
come down with
come down with the needful
come face to face with
come first
come forth
come forward
come foul of
come from
come from an unexpected quarter
come from behind
come full circle
come hat in hand
come hell or high water
come home
come home to
come home to roost
come in
come in conflict with
come in contact
come in for
come in for a landing
come in for a share
come in its turn
come in like a lion
come in sight
come in through a side door
come in view
come into
come into being
come into collision
come into existence
come into man's estate
come into money
come into possession
come into the world
come into vogue
come into years of discretion
come into your head
come into your own
come last
come like a thunderbolt
come like a thunderclap
come near
come nearer
come next
come of
come of age
come off
come off it
come off second best
come on
come on bended knee
come out
come out first
come out in the open
come out in the wash
come out into the open
come out of
come out of it
come out on top
come out on top of the heap
come out with
come over
come rain or shine
come right back at
come round
come round again
come round to
come short
come sick
come sta
come through
come through with
come through with flying colors
come to
come to a center
come to a conclusion
come to a dead stop
come to a decision
come to a determination
come to a focus
come to a full stop
come to a grinding halt
come to a halt
come to a head
come to a parting of the ways
come to a point
come to a screaming halt
come to a shuddering halt
come to a stand
come to a standstill
come to a stop
come to a violent end
come to an agreement
come to an end
come to an understanding
come to an untimely end
come to anchor
come to attention
come to be
come to blows
come to close quarters
come to cold steel
come to dust
come to fruition
come to grief
come to grips with
come to hand
come to know
come to land
come to life
come to light
come to man's estate
come to maturity
come to mind
come to naught
come to no good
come to nothing
come to one
come to pass
come to pieces
come to terms
come to terms with yourself
come to the aid of
come to the fore
come to the front
come to the point
come to the rescue
come to the scratch
come to your ear
come to your ears
come to your journey's end
come to your knowledge
come to your senses
come to yourself
come together
come true
come tumbling down
come unawares
come under
come undone
come unstuck
come up
come up again
come up against
come up fighting
come up for more
come up short
come up smiling
come up to
come up to scratch
come up with
come upon
come upon the stage
come upon unexpectedly
come upon without warning
come uppermost
come what may
come with child
come your way
come-all-ye
come-along
come-at-ability
come-at-able
come-at-ableness
come-back
come-between
come-by-chance
come-down
come-hither
come-hither look
come-hithery
come-off
come-on
come-on man
come-out
come-outer
comedie bouffe
comedie larmoyante
comedie rosse
comedy ballet
comedy drama
comedy of character
comedy of humors
comedy of ideas
comedy of intrigue
comedy of manners
comedy of situation
comedy prop
comedy relief
comely-featured
comers and goers
comet aster
comet finder
comet seeker
comfort room
comfort station
comfort zone
comfortable circumstances
comfortably situated
comic bass
comic book
comic muse
comic novel
comic opera
comic relief
comic section
comic strip
comic supplement
comic-iambic
comico-
coming after
coming and going
coming apart
coming ashore
coming between
coming by
coming from
coming in
coming into being
coming near
coming out
coming short
coming shy
coming to
coming to be
coming to pass
coming to terms
coming together
coming toward
coming unstuck
coming with child
coming-forth
coming-on
coming-out party
comings in
comity of nations
comma bacillus
comma blunder
comma butterfly
comma fault
comma splice
commercial aviation
commercial bank
commercial code
commercial college
commercial complex
commercial credit
commercial engineer
commercial engineering
commercial enterprise
commercial fertilizer
commercial law
commercial letter of credit
commercial paper
commercial pilot
commercial program
commercial relations
commercial school
commercial transaction
commercial transport
commercial traveler
commercial traveller
commercial vehicle
comminuted fracture
commissary clerk
commissary court
commissary general
commissary steward
commission agent
commission day
commission house
commission merchant
commission officer
commission pennant
commission plan
commission-manager plan
commissioned officer
commissioner for oaths
commissioner-general
commit a
commit a crime
commit a gaffe
commit a solecism
commit adultery
commit an assault upon
commit an atrocity
commit an outrage
commit burglary
commit carnage
commit genocide
commit hara-kiri
commit mass destruction
commit mass murder
commit murder
commit robbery
commit sacrilege
commit sin
commit suicide
commit to an institution
commit to memory
commit to prison
commit to writing
commit yourself
commit yourself to
commitment to memory
committee consideration
committee of correspondence
committee of one
committee of the whole
committee stage
commode step
commodity dollar
commodity exchange
commodity money
commodity paper
common alum
common ancestry
common assent
common belief
common bond
common brad
common carotid
common carotid artery
common carrier
common case
common chord
common coke
common cold
common consent
common cost
common council
common councilman
common denominator
common descent
common divisor
common effort
common endeavor
common enterprise
common factor
common fee
common fraction
common gender
common good
common ground
common iliac artery
common informer
common knowledge
common laborer
common law
common logarithm
common man
common market
common measure
common men
common meter
common metre
common multiple
common nail
common name
common noun
common oak
common occurrence
common of turbary
common opal
common ownership
common people
common person
common phrase
common pitcher plant
common pleas
common practice
common prayer
common property
common rafter
common reed
common rhythm
common room
common ruck
common run
common run of things
common salt
common saying
common school
common scold
common seal
common seaman
common sennit
common sense
common snipe
common soldier
common sort
common source
common speech
common stock
common sulfur
common talk
common tannin
common tern
common time
common topaz
common touch
common variety
common weal
common wheat
common year
common-law
common-law court
common-law estoppel
common-law jurisdiction
common-law lien
common-law marriage
common-law trust
common-law wife
common-room
common-variety
commonly known
commonplace book
commonplace expression
commonsense philosopher
commonsense philosophy
commonsense realism
commonsense realist
commonwealth day
communal effort
communal enterprise
communal marriage
commune with
commune with God
commune with the spirits
communicate orally
communicate verbally
communicate with
communication cord
communication engineering
communication explosion
communication leak
communication room
communication satellite
communication technology
communication theory
communication trench
communications engineer
communications industry
communications media
communications medium
communications net
communications network
communications receiver
communications relay satellite
communications revolution
communications satellite
communications ship
communications theory
communications zone
communion cloth
communion cup
communion hymn
communion in both kinds
communion in one kind
communion of saints
communion plate
communion rail
communion table
communist front
community at large
community center
community centre
community chest
community church
community college
community home
community hospital
community house
community nurse
community of interest
community of interests
community property
community school
community sentiment
community sing
community singing
community supervision
community theater
community trust
commutating pole
commutation ticket
commutative algebra
commutative contract
commutative law
commutator filling
commutator group
commutator motor
commutator pitch
commutator shell
commutator subgroup
compact car
compact of
companion bills amendment
companion cell
companion crop
companion cropping
companion flange
companion hatch
companion hatchway
companion ladder
companion piece
companion set
companion star
companionate marriage
company headquarters
company man
company officer
company reserve line
company secretary
company sergeant-major
company store
company town
company union
comparative anatomy
comparative degree
comparative estimate
comparative ethics
comparative government
comparative grammar
comparative judgment
comparative linguist
comparative linguistics
comparative literature
comparative medicine
comparative method
comparative musicology
comparative philology
comparative psychology
comparative relation
comparative religion
comparative scrutiny
comparative statement
compare and contrast
compare notes
compare point by point
compare to
compare with
compared to
compared with
comparison lamp
comparison microscope
comparison of variables
comparison shopper
comparison shopping
comparison slip
comparison spectrum
comparison star
comparison test
compass about
compass bearing
compass board
compass bowl
compass brick
compass calipers
compass card
compass corrector
compass course
compass deviation
compass deviation card
compass dial
compass direction
compass direction or course
compass error
compass flower
compass heading
compass jellyfish
compass key
compass needle
compass north
compass of mind
compass plane
compass plant
compass rafter
compass reading
compass roof
compass rose
compass saw
compass timber
compass weed
compass window
compass-headed
compensate for
compensated balance
compensated ionization chamber
compensated motor
compensating balance
compensating gear
compensating operation
compensation act
compensation balance
compensation bar
compensation insurance
compensation law
compensation neurosis
compensation pendulum
compensation water
compensatory damages
compensatory interest
compensatory reaction
compensatory spending
compete against
compete with
competitive market
compilation film
compiling routine
complain against
complain loudly
complain of
complement deviation
complement fixation
complement fixation test
complement-binding
complement-fixing
complementary angle
complementary angles
complementary cells
complementary color
complementary colour
complementary distribution
complementary wavelength
complete a purchase
complete answer
complete circuit
complete fertilizer
complete fracture
complete quadrilateral
complete works
completely normal space
completely regular space
completing the square
completion test
complex algebra
complex circularity
complex cone
complex conjugate
complex control system
complex fraction
complex idea
complex integer
complex machine
complex number
complex plane
complex salt
complex sentence
complex variable
complexity of meaning
complicate matters
complimentary close
complimentary closing
complimentary remark
complimentary ticket
compliments of the season
comply with
comport yourself
compos mentis
compose oneself
compose poetry
compose your differences
compose your features
compose yourself
composed matter
composed of
composed throughout
composing frame
composing room
composing rule
composing stick
composite arch
composite balance
composite function
composite number
composite photograph
composite reading
composite sailing
composite school
composite shot
composite text
composite-built
composition carver
composition cloth
composition face
composition factor
composition formula
composition metal
composition of differences
composition of forces
composition pedal
composition piston
composition roofing
composition series
compost heap
compound centrifugal force
compound engine
compound eye
compound flower
compound for
compound fraction
compound fracture
compound function
compound interest
compound interval
compound leaf
compound lens
compound magnet
compound measure
compound microscope
compound motor
compound number
compound ovary
compound pendulum
compound radical
compound sentence
compound time
compound winding
compound words
compound-complex
compound-complex sentence
compound-wound
comregnated wood
comprehensive examination
comprehensive school
compressed air
compressed petroleum gas
compressed score
compressed-air drill
compressibility drag
compression bib
compression coupling
compression cup
compression ignition
compression member
compression ratio
compression spring
compression stroke
compression tap
compression wave
compression-ignition
compression-ignition engine
compromise formation
compromise joint
compromise rail
compromise yourself
compte rendu
compte-rendu critique
comptes rendus
compulsion neurosis
compulsive character
compulsive gambler
compulsory arbitration
compulsory military service
compulsory purchase
compulsory referendum
compulsory servitude
computational linguistics
computer code
computer data
computer engineer
computer hardware
computer language
computer memory
computer part
computer parts
computer printout
computer program
computer programmer
computer proof
computer revolution
computer routine
computer software
computer technician
computer technologist
computer technology
computer typesetting
computer unit
computerized typesetting
computing machine
computing scale
comrade in arms
comrade-in-arms
con affetto
con agilita
con agitazione
con amore
con anima
con artist
con brio
con dolore
con espressione
con fuoco
con game
con man
con moto
con over
con rod
con sordino
con spirito
con your part
con-
conario-
concatenation control
concatenation of events
concatenation system
concave lens
concave mirror
concavo-
concavo-concave
concavo-convex
concavo-convex lens
conceal your motive with
conceal yourself
conceded fact
conceit yourself
conceivably possible
conceive a dislike to
concentrate on
concentrate sprayer
concentrate the mind
concentrate the thoughts
concentrate upon
concentration camp
concentration cell
concentration ring
concentrate the thoughts
concentrate upon
concentration camp
concentration cell
concentration ring
concentrate upon
concert artist
concert band
concert border
concert etude
concert flute
concert grand
concert grand piano
concert guitar
concert hall
concert music
concert overture
concert party
concert performance
concert pitch
concert season
concert tour
concerted action
concerti grossi
concertina action
concertina movement
concertina table
concerto grosso
concerto grossos
concession road
conch hat
conch shell
conch-
concho grass
conciliations court
concluding line
conclusive argument
conclusive evidence
concours d’l’gance
concrete art
concrete block
concrete identity
concrete layer
concrete mixer
concrete music
concrete noun
concrete number
concrete paint
concrete poetry
concrete universal
concurrent jurisdiction
concurrent resolution
concurring opinion
concussion bellows
concussion bomb
concussion fuse
concussion grenade
concussional concussant
condemn to death
condemn to eternal punishment
condemn to hell
condemn yourself
condemned cell
condensation point
condensation polymerization
condensation trail
condensed milk
condensed version
condenser antenna
condenser microphone
condensing engine
condensing hygrometer
condensing lens
condictio triticaria
condign punishment
conditio sine qua non
condition of things
conditional convergence
conditional probability
conditional sale
conditioned reflex
conditioned response
conditioned stimulus
condole with
conduce to
conduce to health
conducive to
conduct a funeral
conduct a poll
conduct a trial
conduct an inquiry
conduct money
conduct pleadings
conduct to
conduct unbecoming a gentleman
conduct yourself
conduct yourself in the face of
conduct yourself toward
conduct yourself vis-a-vis
conduct-money
conduction current
conduction electron
conductometric titration
conductor head
conductor plug
conductor rail
conductor's baton
conduit box
conduit pipe
conduit railway
conduit system
cone adaptation
cone anchor
cone bearing
cone bit
cone brake
cone center
cone chuck
cone clutch
cone compass
cone coupling
cone delta
cone friction clutch
cone gamba
cone joint
cone key
cone lathe
cone mandrel
cone mill
cone number
cone of a complex
cone of silence
cone off
cone pepper
cone plate
cone pulley
cone shaver
cone shell
cone snail
cone speaker
cone tree
cone valve
cone vision
cone wheat
cone wheel
cone-billed
cone-headed
cone-in-cone
cone-nose
cone-shaped
conehead rivet
conehead toggle
coney leopard
coney mole
coney parsley
confabulate the breeze
confectioners’ sugar
confectionery decorator
confederate memorial day
confederate rose
confer a benefit
confer a blessing upon
confer citizenship
confer distinction on
confer honor upon
confer with
conference at the summit
conference room
conference table
confession equality
confession of faith
confide in
confide to
confidence game
confidence interval
confidence limits
confidence man
confidence trick
confidential communication
confidential information
confirm in
confirmation class
confirmed bachelor
confirmed liar
conflict of interest
conflict of laws
conflict of sounds
conflict with
confluence of minds
confluent stream
conform map projection
conform representation
conform to
conform to fact
conform with
conformable to
conformal projection
conformation other-direction
conformity to fact or reality
confound it
confront each other
confront with
confrontation politics
confrontation therapy
confused flour beetle
confusion of sounds
confusion of tongues
confusion worse confounded
conga drum
congee house
congenital defect
congenital disease
congenital heart disease
congenital hypophosphatasia
congenital idiot
congenital immunity
congenital syphilis
conger doust
conger eel
conger-eel
congestive heart failure
conglobate gland
conglomerate corporation
congo dye
congo eel
congo red
congo snake
congratulate yourself
congregational christian
congress boot
congress gaiter
congress shoe
congressional caucus
congressional district
congressional election
congressional immunity
congressional investigation
congressional medal
congressman-at-large
congressmen-at-large
congruence sign
congruent with
conic projection
conic section
conic sections
conical pendulum
conical-shaped
conico-
conico-cylindrical
conico-elongate
conico-hemispherical
conico-ovate
conico-ovoid
conico-subhemispherical
conico-subulate
coniferyl alcohol
coning angle
conjoint therapy
conjugal bond
conjugal knot
conjugal love
conjugal right
conjugal tie
conjugate axis
conjugate numbers
conjugate solution
conjugated protein
conjugation canal
conjugation cell
conjugato-
conjugato-palmate
conjugato-pinnate
conjunction-reduction
conjunctive adverb
conjuncture of events
conjure man
conjure spirits
conjure up
conjure up a vision
conjure up spirits
conk out
connate-perfoliate
connect couple
connect up
connect with
connecting link
connecting rod
connection angle
connection bar
connection with
connective tissue
conning tower
conning tower hatch
conniption fit
connive at
connoisseur of food
connoisseur of wine
conoido-hemispherical
conoido-rotundate
conquering hero
conscience clause
conscience money
conscience-proof
conscience-smitten
conscience-stricken
conscience-striken
conscientious objector
conscious of
conscious of your place
conscious self
consciousness raising
consciousness-expanding
consciousness-expansion
conscript fathers
consecrate to
consecrated bread
consecrated elements
consecutive intervals
consensus gentium
consensus of opinion
consensus omnium
consensus politics
consent by implication
consent decree
consent rule
consent to
consent to silently
consenting adult
consequent stream
conservation of angular momentum
conservation of charge
conservation of energy
conservation of linear momentum
conservation of mass
conservation of mass and energy
conservation of matt
conservation of matter
conservation of momentum
conservation of parity
conservative treatment
consider every angle
consider pro and con
consider the circumstances
consider the source
consign to a place
consign to hell
consign to oblivion
consign to the grave
consign to the scrap heap
consigned to oblivion
consignment marketing
consignment note
consist in
consist of
consistent with
consisting of
consolation game
consolation match
consolation prize
console table
consolidated annuities
consolidated fund
consolidated school
consolidated stock
consolidating company
consonant chord
consonant shift
consonant shifting
consonant system
consonantal alliteration
consort with
conspicious by its absence
conspicious consumption
conspicious gallantry
conspicious waste
constable glass
constant attention
constant flow
constant friend
constant of gravitation
constant of integration
constant pressure
constant thrust
constant-chord-rotor helicopter
constantly recur to
constantly revert to
constitute a whole
constituted authority
constitutional amendment
constitutional convention
constitutional freedom
constitutional government
constitutional guarantees
constitutional law
constitutional lawyer
constitutional medicine
constitutional monarch
constitutional monarchy
constitutional psychology
constitutional referendum
constitutional rights
constitutional syphilis
constitutional therapy
constitutional validity
constrain yourself
constrict your views
construct form
construct state
construction bond
construction engineer
construction engineering
construction modifier
construction paper
constructional homonymity
constructive change
constructive imagination
constructive interference
consul general
consular agent
consular service
consulate general
consulates general
consuls general
consult with
consult with your pillow
consult your own wishes
consult your pillow about
consultation room
consultative assembly
consulting room
consume away
consume time
consumed by fire
consumed with curiosity
consumed with desire
consumer cooperative
consumer credit
consumer economy
consumer goods
consumer items
consumer power
consumer preference study
consumer price index
consumer research
consumer resistance
consumer sovereignty
consumer strike
consumer survey
consumer's strike
consumer-preference survey
consummate liar
consummate lie
consumption goods
consumption weed
cont-line
contact a debt
contact action
contact agent
contact dermatitis
contact flight
contact flying
contact infection
contact lens
contact maker
contact making
contact man
contact metamorphism
contact microphone
contact mine
contact paper
contact poison
contact potential
contact print
contact printing
contact process
contact therapy
contact with reality
contactor switch
contagious disease
contagious abortion
contagious ethyma
contagious epithelio
contagious epithelioma
contagious magic
contain yourself
contained in
container board
container car
container ship
contango day
conte-crayon
contemplate in the imagination
contemplation of the past
contemplative life
contemporary literature
contempt of Congress
contend about
contend against
contend for
contend with
content analysis
content subject
content word
content yourself with
contents page
contest a seat
contest of fleetness
contest of speed
contested election
contextual definition
continent-wide
continental breakfast
continental climate
continental code
continental divide
continental drift
continental island
continental quilt
continental shelf
continental slope
continental stitch
continental system
contingency fund
contingency method
contingency reserve
contingency table
contingent beneficiary
contingent fee
contingent fund
contingent interest
contingent liability
contingent on
contingent reserve
continuance in action
continuation day
continuation school
continue the same
continue to be
continue to exist
continued fever
continued fraction
continued proportion
continuing education
continuity clerk
continuity equation
continuity girl
continuity writer
continuous brake
continuous casting
continuous creation
continuous creation theory
continuous miner
continuous spectrum
continuous stationery
continuous tenure
continuous tone
continuous wave oscillator
continuous wave radar
continuous waves
continuous-expansion engine
continuous-wave transmitter
continuum hypothesis
continuum theory
countour bob
countour chair
countour check
countour curtain
countour curve
countour farming
countour feather
countour feathers
countour follower
countour integration
countour interval
countour line
countour map
countour ploughing
countour plowing
countour sheet
conna bassoon
conna bonos mores
conna trombone
conna-
conna-acting
conna-approach
conna-dance
conna-guide rudder
conna-indicant
conna-indicate
conna-indication
conna-ion
conna-lode
conna-propeller construction
conna-related
conna-remonstrant
conna-rotating airscreews
conna-rotation
conna-band of war
connaceptive foam
contract a habit
contract an engagement
contract bond
contract bridge
contract by deed
contract for
contract matrimony
contract of record
contract out
contract practice
contract quasi
contract yourself
contractile cell
contraction fit
contraction joint
contraction rule
contraction theory
contradict itself
contraria contrariis curantur
contrarotating propeller
contrary assertion
contrary motion
contrary terms
contrary to
contrary to all expectation
contrary to fact
contrary to law
contrary to order and discipline
contrary to reason
contrary, the
contrary-minded
contrast bath
contrast control
contrast medium
contrast with
contrastive juxtaposition
contrate wheel
contre-
contre-dance
contre-partie
contribute to
contribution clause
contributory negligence
control account
control action
control agent
control assay
control board
control center
control chart
control column
control desk
control electrode
control element
control engineer
control experiment
control feelings
control grid
control group
control indicator
close mark
close means
close mechanism
close mechanisms
control panel
close relay
close resistor
close rod
close room
close signals
close station
close stick
close surface
close survey
control system
close the carnal man
close the fleshly lusts
close the old Adam
close the price of
close tower
close transformer
close valve
close wires
close your appetites
control yourself
controllable-pitch
controlled access highway
controlled association
controlled association test
controlled experiment
controlled price
controlled quantity
controller general
controlling account
controlling depth
controversial point
conus medullaris
conval lily
convalescent home
convalescent hospital
convected heat
convection current
convective activity
convective discharge
convector heat
convenience food
convenient to
convent cloth
convent school
convention hall
conventional phrase
conventional representation
conventional symbol
conventional usage
conventional war
conventional warfare
conventional weapons
conventional prior
convergence frequency
convergence of events
convergency factor
convergent evolution
convergent squint
convergent strabismus
convergent thinking
converging lens
conversant with
conversation chair
conversation piece
conversational English
conversational partner
conversational quality
converse in
converse motion
converse with
conversion cost
conversion factor
conversion hysteria
conversion neurosis
conversion ratio
conversion reaction
conversion table
conversion value
convert into cash
convert to
convert to use
converted steel
converter reactor
convertible bond
convertible coupe
convertible debenture
convertible preferred stock
convertible securities
convertible sedan
convertible top
convex hull
convex lens
convex mirror
convex point set
convex polygon
convex-concave
convexo-
convexo-concave
convexo-convex
convexo-plane
convey an impression of
conveyor belt
conveyor chain
convict goods
convict yourself
convince to the contrary
convince yourself
convolvulus moth
convulsion root
convulsive therapy
cony-catch
coo-coo
cooch dance
cooch show
coochie show
coochin york
cooee bird
cook accounts
cook off
cook out
cook stove
cook up
cook wrasse
cook your goose
cook-general
cook-out
cooked-up
cookery book
cookery stove
cookie cutter
cookie press
cooking-range
cooks-general
cooky cutter
cool acceptance
cool as a cucumber
cool bag
cool breeze
cool color
cool down
cool head
cool it
cool jazz
cool judgment
cool million
cool off
cool off the economy
cool out
cool the economy
cool your heels
cool-headed
cool-headedly
cool-headedness
cooling breeze
cooling degree-day
cooling down
cooling of the economy
cooling off
cooling off of the economy
cooling system
cooling-card
cooling-off
cooling-off period
coom-ceiled
coon bear
coon cat
coon dog
coon's age
coonskin cap
coop in
coop up
cooped-in
cooper's-wood
cooperative apartment
cooperative apartment house
cooperative bank
cooperative credit union
cooperative farm
cooperative society
cooperative store
coopered joint
coordinate bond
coordinate clause
coordinate geometry
coordinate paper
coordinate system
coordinated operations
coodinated panel
cooordinating conjunction
coordination complex
coordination compound
coordination number
coot-footed
cooter grass
cootie garage
cop a plea
cop out
cop-out
cop-rose
copaiba balsam
copaiba oil
copaiba resin
copaiva oil
copaiye wood
copal ether
cope chisel
cope cutter
cope with
cope-stone
copen blue
copenhagen blue
coping saw
coping stone
copper acetate
copper acetoarsenite
copper arsenite
copper barilla
copper beech
copper bender
copper brazer
copper caster
copper cyanide
copper engraver
copper extractor
copper foil
copper hydroxide
copper iris
copper mill
copper millman
copper mine
copper miner
copper mining
copper pyrites
copper red
copper refiner
copper refinery
copper smelter
copper spot
copper sulfate
copper sulphate
copper worker
copper-alloyed
copper-bearing
copper-bellied
copper-belly
copper-bottomed
copper-coated
copper-colored
copper-covered
copper-faced
copper-fastened
copper-headed
copper-leaf
copper-leaves
copper-lined
copper-melting
copper-plate
copper-red
copper-skinned
copper-smelting
copper-smith
copper-toed
copper-worm
copperas black
copperplate engraving
copperplate hand
copperplate press
copperplate print
coppery-tailed
coppice oak
coppice shoot
coppice-feathered
coppice-topped
copple-crown
copple-crowned
copple-stone
copr-
copra oil
copro-
cops and robbers
copse cutter
copse-clad
copse-covered
copulative asyndeton
copulative conjunction
copy after
copy camera
copy chief
copy desk
copy edit
copy editor
copy out
copy paper
copy taster
copy typist
copy-edit
copybook hand
copying ink
copying machine
copying machines
copying paper
copying press
copyright deposit library
copyright infringer
copyright page
cq au vin
cq de bruyere
coquet with
coquet with the idea
coquette bob
coquettish glances
coquilla nut
coquille lens
coquilles Saint-Jacques
coquimbo owl
coquito palm
cor adiposum
cor anglais
cor arteriosum
cor biloculare
cor blimey
cor bovinum
cor juvenum
cor pseudotriloculare biaatriatum
cor pulmonale
cor sinistrum
cor triatriatum
cor triloculare biaatriatum
cor triloculare biventriculare
cor villosum
cor-
coraco-
coral bead
coral bean
coral bells
coral fern
coral grinder
coral head
coral heads
coral honeysuckle
coral island
coral jasmine
coral lily
coral pink
coral plant
coral reef
coral root
coral snake
coral stitch
coral tree
coral vine
coral-bead tree
coral-beaded
coral-bound
coral-built
coral-buttoned
coral-colored
coral-fishing
coral-girt
coral-making
coral-plant
coral-producing
coral-red
coral-rooted
coral-secretion
coral-snake
coral-tree
coral-wood
coram judice
coram nobis
coram non judice
coram populo
corbel arch
corbel out
corbel step
corbel table
corbel vault
corbie gable
corbie-step
corbin bone
cord conductor
cord connector
cord foot
cord grass
cord maker
cord-connector body
cordage tree
cordate-amplexicaul
cordate-lanceolate
cordate-oblong
cordate-sagittate
cordeau detonant
cordeau fuse
corded pahoehoe
cordia pulmonalia
cordial friendship
cordial understanding
cordial welcome
cordon bleu
cordon off
cordon sanitaire
cordoned off
cordonning off
cordons bleus
cordons sanitaire
corduroy road
cordwood saw
core bar
core barrel
core binder
core boring
core builder
core curriculum
core drawing
core flour
core of your being
core sand
core store
core tester
core time
core vent
core wire
core-
core-baking
core-box plane
core-cutting
core-drying
core-jarring
coriander oil
coriander seed
coriolis effect
coriolis force
cork borer
cork cambium
cork cutter
cork jacket
cork oak
cork puller
cork shredder
cork sorter
cork tile
cork tree
cork up
cork-bark elm
cork-barked
cork-bearing
cork-boring
cork-cutting
cork-forming
cork-grinding
cork-heeled
cork-lined
cork-tipped
corking pin
corking up
corking-pin
corkscrew flower
corkscrew grass
corkwood cotton
corky-headed
corky-winged
cormo-
corn belt
corn borer
corn bread
corn bunting
corn cackle
corn cake
corn cleaner
corn cockle
corn color
corn crake
corn dab
corn dodger
corn drier
corn earworm
corn exchange
corn factor
corn field
corn flakes
corn flour
corn fritter
corn god
corn grass
corn grinder
corn grits
corn huller
corn law
corn lily
corn liquor
corn marigold
corn mayweed
corn meal
corn mint
corn muffin
corn oil
corn on the cob
corn picker
corn picking
corn pit
corn pone
corn popper
corn poppy
corn root aphid
corn rose
corn row
corn salad
corn shock
corn shocker
corn shredder
corn shuck
corn shucking
corn silk
corn smut
corn snake
corn snow
corn spirit
corn stack
corn stubble
corn sugar
corn syrup
corn tash
corn tester
corn thresher
corn whiskey
corn whisky
corn-beads
corn-cob
corn-colored
corn-cracker
corn-crake
corn-devouring
corn-ear worm
corn-eater
corn-exporting
corn-fed
corn-feeding
corn-flag
corn-flour
corn-flower
corn-growing
corn-husk
corn-law
corn-master
corn-picker
corn-planting
corn-producing
corn-rent
corn-salad
corn-snake
corn-stalk
corncob pipe
corne de vache
cornea lens
corneal reflex
corneal transplant
corned beef
corned beef and cabbage
corned beef hash
corned beef sandwich
cornelian cherry
corneo-
corner accessory
corner bead
corner block
corner cabinet
corner chair
corner chisel
corner cupboard
corner in
corner man
corner of the eye
corner of the memory
corner on the market
corner reflector
corner table
corner the market
corner trowel
corner-man
corner-stone
cornes de vache
cornet a pistons
cornfield-a-pistons
cornfield ant
cornfield pea
cornflower blue
cornice brake
corno di caccia
corno flute
cornstalk disease
cornstalk pine
cornstarchy airs
cornu ammonis
cornucopia leg
cornucopia sofa
corny joke
coro-
corolla limb
corolla tube
coromandel wood
corona australis
corona borealis
corona discharge
corona lucis
corona radiata
corone radiatae
coronal roots
coronal suture
coronary artery
coronary band
coronary cushion
coronary heart disease
coronary insufficiency
coronary occlusion
coronary ring
coronary thrombosis
coronation oath
coroner's inquest
coroner's jury
coronet braid
coronet of rank
corozo nut
corpora allata
corpora callosa
corpora cardiaca
corpora lutea
corpora striata
corporal punishment
corporal's guard
corporate arms
corporate body
corporate bond
corporate headquarters
corporate image
corporate stock
corporation cock
corporation law
corporation lawyer
corporation securities
corporation stock
corporation stop
corporation tax
corporeal hereditament
corps area
corps d'armee
corps d'elite
corps de ballet
corps de garde
corps diplomatique
corps of advisers
corps of cadets
corps of engineers
corps of signals
corps troops
corpse candle
corpse gate
corpse reviver
corpse-candle
corpulent person
corpus allatum
corpus callosum
corpus cardiacum
corpus christi
corpus deliciti
corpus juris
corpus luteum
corpus luteum hormone
corpus striatum
corpus vile
corporcular theory
correct English
correct copy
correct deportment
correct ear
correct in your behavior
correct in your manners
correcting plate
correcting signals
correction line
correction of error
corrective action
corrector plate
correlation coefficient
correlation ratio
correlative conjunction
correspond to
correspond with
correspondence column
correspondence course
correspondence principle
correspondence school
correspondence theory
corridor of time
corridors of time
corroboratory evidence
corrosion borders
corrosive mercury chloride
corrosive sublimate
corrugated iron
corrugated paper
corrugation irrigation
corrupt administration
corrupt politician
corrupt practices act
corruption of blood
corruption of speech
corset cover
corset designer
corsetior corsetier
cortex parenchyma
cortical epilepsy
cortical tissue
cortico-
corydalis green
cos lettuce
cosine circle
cosmetic dermatitis
cosmetic operation
cosmetic surgery
cosmic constant
cosmic dust
cosmic evolution
cosmic noise
cosmic particle
cosmic particles
cosmic philosopher
cosmic philosophy
cosmic radiation
cosmic ray
cosmic ray bombardment
cosmic ray counter
cosmic rays
cosmic space
cosmic static
cosmic stepping-stone
cosmic time
cosmical geology
cosmico-natural
cosmo-
cosmological argument
cosmological proof
cossack green
cossack hat
cost a packet
cost a pretty penny
cost accountant
cost accounting
cost an arm and a leg
cost and freight
cost benefit analysis
cost card
cost center
cost insurance and freight
cost keeper
cost keeping
cost ledger
cost little
cost money
cost much
cost next to nothing
cost nothing
cost of living
cost out
cost plus
cost sheet
cost system
cost unit
cost what it may
cost you
cost-account
cost-accounting system
cost-effective
cost-free
cost-of-living allowance
cost-of-living index
cost-plus
cost-push inflation
costal margin
costal vein
costal-nerved
costard-monger
costing-out
costless thing
costo-
costume designer
costume drama
costume jewellery
costume jewelry
costume party
costume piece
costus oil
cosy along
cot bar
cot case
cot death
cotamine hydrochloride
cote-hardie
cotelette de mouton
cotelette de porc frais
cotelette de veau
cotta grass
cottage bonnet
cottage cheese
cottage china
cottage fried potatoes
cottage hospital
cottage industry
cottage loaf
cottage piano
cottage pie
cottage pudding
cottage tulip
cottage window
cotter drill
cotter file
cotter mill
cotter pin
cotter slot
cotter way
cottier system
cotton anthracnose
cotton aphid
cotton back
cotton bagging
cotton baller
cotton batting
cotton belt
cotton bill
cotton boll
cotton bollworm
cotton broker
cotton bush
cotton buyer
cotton cake
cotton cambric
cotton candy
cotton chiffon
cotton chopper
cotton cleaner
cotton comber
cotton coverer
cotton crepe
cotton cutter
cotton damask
cotton dryer
cotton duck
cotton dyer
cotton factor
cotton factory
cotton feeder
cotton fern
cotton field
cotton filler
cotton flannel
cotton floater
cotton gin
cotton ginner
cotton grass
cottonseed oil
cottonseed tree
cottontail rabbit
cottony cloud
cottony jujube
cottony-cushion scale
cotyl-
cou-cou
couch bed
couch grass
couch in terms
couch maker
couch roll
couch wheat
couch your lance
couch, the
couched harp
couching stitch
cough drop
cough drops
cough medicine
cough mixture
cough sirup
cough syrup
cough up
could be
could sink through the floor
couldn't care less about
coulee cricket
couleur de rose
coulomb meter
coumarone resin
coumarone resins
coumarone-indene
coumarone-indene resin
council bill
council board
council fire
council house
council of ministers
council of state
council of war
council school
council table
council tool
council-manager plan
counsel of perfection
counsel-keeper
counselor-at-law
counselors-at-law
count against
count book
count calories
count down
count for
count heads
count hook
count in
count me out
count noses
count noun
count number
count of
count off
count on
count out
count palatine
count plate
count sheep
count the beats
count ties
count up
count upon
count votes
count wheel
count-rate meter
countably additive function
countably compact set
counted on
counter apse
counter borer
counter check
counter electromotive force
counter image
counter jumper
counter relief
counter scale
counter septum
counter service
counter stern
counter table
counter timber
counter to
counter to your preferences
counter tube
counter wall
counter word
counter-
counter-acquittance
counter-agency
counter-approach
counter-arch
counter-attraction
counter-barry
counter-battery
counter-beam
counter-bill
counter-bore
counter-boule
counter-brace
counter-carte
counter-cast
counter-caster
counter-chevroned
counter-claim
counter-clockwise
counter-coloured
counter-company
counter-couchant
counter-culture
counter-current
counter-deed
counter-disengage
counter-drain
counter-draw
counter-earth
counter-embattled
counter-embowed
counter-ermine
counter-evidence
counter-extension
counter-faced
counter-faller
counter-fessed
counter-fissure
counter-force
counter-gauge
counter-gear
counter-guard
counter-hem
counter-indication
counter-influence
counter-ion
counter-irritant
counter-jumper
counter-lath
counter-letter
counter-lode
counter-marque
counter-motion
counter-move
counter-naiant
counter-nebule
counter-off
counter-opening
counter-paled
counter-parade
counter-parole
counter-party
counter-passant
counter-pawn
counter-penalty
counter-pole
counter-potent
counter-pressure
counter-price
counter-proof
counter-quartered
counter-ragtuled
counter-rampant
counter-reformation
counter-revolution
counter-revolutionary
counter-riposte
counter-roll
counter-round
counter-salient
counter-scale
counter-scuffle
counter-sea
counter-seal
counter-secure
counter-spell
counter-statement
counter-step
counter-taste
counter-tendency
counter-tenor
counter-tide
counter-tierce
counter-time
counter-trench
counter-tripping
counter-turn
counter-vote
counter-wait
counter-wall
counter-weight
counter-worker
counterfeit money
counterintelligence agent
counterpoint rhythm
counterrotating propeller
counterscarp gallery
countersink bit
countertenor clef
counterweight system
counties palatine
counting glass
counting heads
counting house
counting machine
counting noses
counting number
counting on the fingers
counting room
counting scales
counting tube
counting-out rhyme
countless as the sands
countless as the stars
coultre-
country almond
country bank
country bishop
country blues
country borage
country bumpkin
country club
country cousin
country damage
country dance
country dancer
country dancing
country day school
country doctor
country fig
country gentleman
country gooseberry
country hide
country house
country jake
country licorice
country mallow
country mile
country music
country party
country peach
country pepper
country rock
country seat
country store
country town
country wallah
country walnut
country, the
country-and-western
country-and-western music
country-and-western singer
country-born
country-bred
country-dance
country-fashion
country-made
country-style
country-wide
counts palatine
county agent
county attorney
county board
county borough
county building
county clerk
county college
county commissioner
county constabulary
county convention
county council
county court
county courthouse
county fair
county farm
county home
county house
county library
county mutual
county palatine
county police
county rate
county road
county seat
county site
county supervisor
county town
county-wide
coup d'Oeil
coup d'essai
coup d'etat
coup d'oeil
coup d'oil
coup d'tat
coup de foudre
coup de gr
coup de grace
coup de main
coup de maitre
coup de plume
coup de poing
coup de soleil
coup de theatre
coup de theatre
coup feather
coup-cart
coupe-gorge
couple dancing
couple up
couple with
couple-beggar
couple-close
coupled roof
coupled with
coupler socket
coupling box
coupling circuit
coupling coefficient
coupling pin
coupling rein
coupling rod
coupling strap
coupon bond
coupon clipper
coupon clippers
coupon off
coupon on
coupon rate
coups d'essai
coup de main
coup de plume
coup de poing
cour d'honneur
courage fou
courageous act
Courbaril copal
coureur de bois
coureurs de bois
courage green
cours d'honneur
course ahead
course light
course of action
course of study
course of things
course of time
course protractor
coursing joint
court Christian
court bond
court bouillon
court calendar
court card
court cards
court christian
court circular
court cupboard
court dance
court danger
court day
court destruction
court dress
court fool
court game
court gray
court guide
court hand
court leet
court martial
court of admiralty
court of appeals
court of arbitration
court of assize
court of attachments
court of chancery
court of claims
court of common pleas
court of conscience
court of domestic relations
court of dustyfoot
court of equity
court of errors
court of first instance
court of guard
court of honor
court of honour
court of inquiry
court of justice
court of last resort
court of law
court of love
court of piepoudre
court of probate
court of record
court of requests
court of review
court of sessions
court of wards
court of wards and liveries
court party
court plaster
court reporter
court roll
court shoe
court tennis
court-appointed lawyer
court-baron
court-bouillon
court-cupboard
court-customary
court-dress
court-house
court-leet
court-mantle
court-martial
court-martials
court-noue
court-plaster
court-tialed
court-tialed
court-tialling
court-yard
courtesy card
courtesy light
courtesy title
courting chair
courting disaster
courting glass
courting mirror
courtly love
courtly politeness
courts Christian
courts-martial
courtship-and-matrimony
cousin once removed
cousin twice removed
cousin-german
cousin-in-law
cousins-german
couve-feu
covalent bond
cove lighting
cove oyster
cove stripe
cove trowel
coved vault
coven-tree
covenant of indemnity
covenant of salt
covenant of warranty
cover charge
cover crop
cover design
cover girl
cover glass
cover ground
cover memory
cover note
cover paper
cover plate
cover point
cover slip
cover stone
cover story
cover title
cover up
cover up for
cover up your tracks
cover version
cover with excuses
cover your path
cover your short
cover yourself with
cover-point
cover-shame
cover-shoulder
cover-slut
cover-up
covered smut
covered waggon
covered wagon
covered way
covering board
covering letter
covering material
covering materials
covering shorts
covering up
coversed sine
covert cloth
covert coat
covert way
covert-baron
covin-tree
cow ant
cow barn
cow basil
cow bean
cow beet
cow blackbird
cow bunting
cow byre
cow chervil
cow chips
cow clover
cow cocky
cow college
cow corn
cow creamer
cow cress
cow flops
cow garlic
cow grass
cow hand
cow hock
cow keeper
cow killer
cow lily
cow oak
cow parsley
cowrie pine
cowry bird
cowslip wine
coxo-femoral
coxsackie virus
coy Spring
coy duck
coyote blast
coyote weed
coyote-brush
coyote-bush
cozy chat
cozy fire
crab Louis
crab apple
crab cactus
crab canon
crab claw
crab float
crab grass
crab harrow
crab locomotion
crab locomotive
crab louse
crab meat
crab nut
crab oil
crab plover
crab pot
crab reel locomotive
crab spider
crab stock
crab thistle
crab tree
crab winch
crab yaws
crab-eating
crab-faced
crab-fish
crab-grass
crab-harrow
crab-plover
crab-shed
crab-sidle
crabbed age
crabbed hand
crabbing machine
crabbeater seal
crack a book
crack a crib
crack a joke
crack a safe
crack a smile
crack down
crack down on
crack of dawn
crack of doom
crack off
crack on
crack on sail
crack open
crack shot
crack the whip
crack up
crack willow
crack wise
crack your brains
crack your invention
crack-
crack-loo
crack-off
crack-the-whip
crack-up
crack-willow
cracked on
cracked voice
cracked-wheat bread
cracker bonbon
cracker jack
cracker mill
cracker-barrel
cracker-off
cracker-on
cracker-open
crackers-on
cracking still
cracklin’ bread
crackling bread
crackling fire
cradle bar
cradle book
cradle cannon
cradle holding
cradle maker
cradle orchid
cradle roll
cradle roof
cradle scythe
cradle snatcher
cradle snatching
cradle vault
cradle-shaped
cradle-to-grave security
craft guild
craft paper
craft union
craft unionist
crafty rascal
crag martin
crag swallow
crag-and-tail
crag-bound
crag-built
crag-carven
crag-covered
crag-fast
crake-needles
cram down your throat
cram in
cram the mind
cram the mind with
cram up

cram with facts
cram-full
crambo clink
crambo jingle
crammed full

cramp bark
cramp bone
cramp iron
cramp ring
cramp your style
cramp-iron
cramped hand
cramped ideas
cranberry blast
cranberry bog
cranberry bush
cranberry gall
cranberry glass
cranberry gourd
cranberry marsh
cranberry sauce
cranberry scald
cranberry tree
cranberry worm
crance iron
crane driver
crane fly
crane gray
crane line
crane the neck
crane your neck
crane's-bill
cran-fly
cranging hook
crani-
cranial index
cranial nerve
cranio-
cranio-acromial
cranio-aural
craniosacral nervous system
cranium amulet
crank arm
crank axle
crank brace
crank chain
crank disk
crank handle
crank hanger
crank in
crank letter
crank path
crank pit
crank plane
crank press
crank shaper
crank throw
crank up
crank web
crank wheel
crank-driven
crank-sided
crap around
crap game
crap grass
crap out
crap shooter
crap shooting
crap table
crapaud stone
crapaudine door
crape fern
crape jasmine
crape myrtle
crape needle
crape ring
crape-fish
crappit head
crappit-head
crash barrier
crash boat
crash cymbal
crash dive
crash helmet
crash in
crash into
crash land
crash landing
crash of thunder
crash out
crash pad
crash program
crash the gates
crash wagon
crash wall
crash-dive
crash-dived
crash-diving
crash-dove
crash-land
crash-landing
crashing bore
crass ignorance
cratch cradle
crate maker
crater basin
crater-shaped
crave after
craw-craw
crawfish out
crawl after
crawl box
crawl in
crawl into your shell
crawl out of
crawl space
crawl with
crawl-a-bottom
crawl-up
crawler tractor
crawling peg
crayon board
crayon engraving
crazed-headed
crazier than a bedbug
crazier than a coot
crazier than a loon
crazy about
crazy bone
crazy fancy
crazy for
crazy house
crazy idea
crazy like a fox
crazy over
crazy pavement
crazy paving
crazy quilt
crazy to
crazy top
crazy-drunk
crazy-headed
crazy-looking
crazy-mad
crazy-pate
crazy-paving
crazy-work
cream beige
cream buff
cream bush
cream buyer
cream caustic
cream cheese
cream cooler
cream cracker
cream dipper
cream freezer
cream gatherer
cream gauge
cream ice
cream ladle
cream nut
cream of society
cream of tartar
cream of the crop
cream of the jest
cream pail
cream pitcher
cream puff
cream puff paste
cream puff pasted
cream puff pastry
cream sauce
cream separator
cream sherry
cream soda
cream soup
cream stirrer
cream tea
cream tester
cream tube
cream whip
cream whipper
cream-cheese
cream-color
cream-colored
cream-faced
cream-flowered
cream-slice
cream-soup cup
cream-soup spoon
cream-white
cream-yellow
crease-resistant
create a character
create a disturbance
create a riot
create a role
created being
created nature
created universe
creatine phosphate
creating again
creating once more
creating over
creation of the brain
creative ability
creative artist
creative effort
creative evolution
creative imagination
creative power
creative thought
creative writer
creative writing
creature comfort
creature comforts
creature of habit
creature of the imagination
crebi-
credence shelf
credence table
credentials committee
credenza bookcase
credenza buffet
credibility gap
credit account
credit agency
credit card
credit currency
credit hour
credit instrument
credit insurance
credit life insurance
credit limit
credit line
credit man
credit manager
credit memo
credit memorandum
credit money
credit rating
credit slip
credit squeeze
credit standing
credit to
credit to your account
credit union
credit with
credulous person
creedal statement
creek bed
creek broadbill
creek chub
creek duck
creek fern
creek grass
creek gum
creek maple
creek nettle
creek sedge
creek thatch
creep feeder
creep in
creep into a corner
creep into the good graces of
creep out of
creep up on
creep with
creep-fed
creep-feed
creep-feeding
creeper fowl
creeper tractor
creepie-peepie
creeping Charlie
creeping Jennie
creeping barberry
creeping barrage
creeping bent
creeping bent grass
creeping buttercup
creeping cinquefoil
creeping eruption
creeping fescue
creeping flesh
creeping forget-me-not
creeping juniper
creeping like snail
creeping lily-turf
creeping myrtle
creeping of the flesh
creeping sheet
creeping sickness
creeping snowberry
creeping socialism
creeping thing
creeping thistle
creeping thyme
creepy-crawly
creme Yvette
creme d'amande
creme de cacao
creme de cassis
creme de la creme
creme de menthe
creme de moka
creme de noyau
cremorne bolt
crenate-leaved
ckate-toothed
ckato-
ckelated molding
crole dialect
crole language
crole-fish
crole-fishes
crolelized language
cresote bush
cresote carbonate
cresote oil
crepe Suzette
crepe de Chine
crepe de chine
crepe hair
crepe lisse
crepe marocain
crepe meteor
crepe myrtle
crepe paper
crepe rubber
crepe suzette
crepe wool
crepe-backed
crepe-paper
crepuscular light
crepuscular ray
crescendo pedal
crescent moon
crescent operation
crescent roll
crescent spot
crescent truss
crescent-formed
crescent-lit
crescent-pointed
crescent-shaped
crescit eundo
cresol iodide
cresol red
cress family
cress green
cress rocket
crest cloud
crest coronet
crest factor
crest rail
crest table
crest tile
crest voltmeter
crest-fallen
crested auklet
crested dog's-tail
crested flycatcher
crested hair grass
crested iris
crested lizard
crested poppy
crested swift
crested tit
cresylic acid
cretaceo-
crevalle jack
crew chief
crew compartment
crew cut
crew haircut
crew list
crew neck
crew neckline
crew socks
crew trainer
crew-cropped
crew-neck sweater
crew-necked
crewel needle
crewel stitch
crewel yarn
crewel-work
cri de coeur
cri de guerre
cri du cour
crib biting
crib death
crib strap
crib-bit
crib-bite
crib-biter
crib-biting
crib-bitten
cribbage board
crick-crack
cricket ball
cricket bat
cricket bird
cricket chair
cricket frog
cricket ground
cricket table
cricket teal
crik-bat willow
crico-
cried up
crim con
crime against humanity
crime against nature
crime of passion
crime passionel
crime sheet
crime wave
criminal act
criminal anthropology
criminal assault
criminal cohabitation
criminal congress
criminal contempt
criminal conversation
criminal court
criminal investigation
criminal jurisdiction
criminal law
criminal lawyer
criminal psychology
criminal syndicalism
criminal syndicalist
criminal tendency
crimping brake
crimping house
crimping iron
crimping machine
crimping pin
crimpy-haired
crimson clover
crimson flag
crimson madder
crimson sage
crimson-banded
crimson-barred
crimson-billed
crimson-carmine
crimson-colored
crimson-dyed
crimson-fronted
crimson-lined
crimson-petaled
crimson-purple
crimson-scarfed
crimson-spotted
crimson-tipped
crimson-veined
crimson-violet
crine-
cringe to
cringle-crangle
crini-
crinkle leaf
crinkle-crankle
crinkly-haired
crinkum-crankum
crinoline stretcher
crinum lily
cri-
cripple rafter
cripple stopper
crippling attack
cris de guerre
crisis theologian
crisis theology
crisp-leaved
crisped-leaved
crisping iron
crisping pin
criss-cross
crissal thrasher
crisscross inheritance
crisscross-row
critical altitude
critical angle
critical angle of attack
critical apparatus
critical bibliography
critical constant
critical constants
critical density
critical discernment
critical edition
critical idealism
critical journal
critical juncture
critical mass
critical moment
critical niceness
critical notice
critical path analysis
critical period
critical philosophy
critical point
critical pressure
critical ratio
critical realism
critical region
critical review
critical state
critical success
critical tem
critical temperature
critical volume
critically ill
criticize severely
critico-
critico-analytically
critico-historical
critico-poetical
critico-theological
cro-magnon
croaking sac
crochet file
crochet hook
crochet needle
crochet work
crockery cement
crocodile bird
crocodile shears
crocodile squeezer
crocodile tears
crocus antimonii
crocus bag
crocus cloth
crocus martis
crocus metallorum
crocus sack
croissant demi-sel
croix de guerre
croker sack
crook an elbow
crook rafter
crook the elbow
crook-backed
crooked dice
crooked politician
croquet ground
croquet lawn
croquignole wave
crosier back
cross action
cross agglutination
cross aisle
cross ancre
cross axle
cross bearings
cross bedding
cross birth
cross bit
cross bitt
cross bond
cross botonée
cross bourdonée
cross brace
cross bracing
cross break
cross bridging
cross buck
cross bun
cross complaint
cross correspondence
cross counter
cross cylinder
cross drawing
cross education
cross estoile
cross facet
cross fault
cross field
cross file
cross fire
cross fitche
cross fleury
cross flute
cross flux
cross forked
cross formée
cross fourchee
cross fox
cross gammadion
cross grain
cross grignolee
cross guard
cross hair
cross hairs
cross heading
cross hilt
cross index
cross keelson
cross keys
cross kick
cross liability
cross license
cross lock
cross lode
cross mint
cross modulation
cross moline
cross multiplication
cross multiply
cross of Calvary
cross of Cleves
cross of Lorraine
cross of St Lazarus
cross of lorraine
cross off
cross order
cross out
cross over
cross patee
cross peen
cross peen hammer
cross pommee
cross potent
cross press
cross product
cross ratio
cross recercelee
cross reference
cross relation
cross remainder
cross rhythm
cross sea
cross seat
cross section
cross sighting
cross signal
cross slide
cross spider
cross springer
cross strap
cross street
cross stroke
cross swords
cross swords with
cross tag
cross talk
cross the Rubicon
cross the Stygian ferry
cross the path of
cross the threshold
cross turret
cross up
cross vault
cross vaulting
cross vein
cross vine
cross whitefish
cross wind
cross wire
cross wires
cross your heart
cross your heart and hope to die
cross your mind
cross your palm
cross your palm with
cross your path
cross-
cross-adoring
cross-aisle
cross-appeal
cross-armed
cross-banded
cross-banding
cross-bar
cross-beak
cross-beam
cross-bearer
cross-bearing
cross-bearings
cross-beat escapement
cross-bedded
cross-bedding
cross-bench
cross-benched
cross-benchered
cross-bencheredness
cross-bencher
cross-bias
cross-biased
cross-biassed
cross-bill
cross-bind
cross-bombard
cross-bond
cross-bones
cross-bow
cross-bred
cross-breed
cross-bridge
cross-brush
cross-bun
cross-buttock
cross-buttocker
cross-carve
cross-channel
cross-check
cross-church
cross-claim
cross-cloth
cross-compound
cross-connect
cross-country
cross-country flying
cross-country mill
cross-country race
cross-course
cross-cousin
cross-cousin marriage
cross-crosslet
cross-crosslets
cross-curve
cross-cut
cross-datable
cross-date
cross-dating
cross-days
cross-disciplinary
cross-disciplinary knowledge
cross-division
cross-drain
cross-dye
cross-dyeing
cross-elbowed
cross-examination
cross-examine
cross-examined
cross-examiner
cross-examining
cross-eye
cross-eyed
cross-eyedness
cross-eyes
cross-face
cross-fade
cross-faded
cross-fading
cross-feed
cross-ferred
cross-ferring
cross-fertile
cross-fertilizable
cross-fertilization
cross-fertilize
cross-fertilized
cross-fertilizing
cross-fiber
cross-file
cross-filed
cross-filing
cross-finger
cross-fingered
cross-fire
cross-fire treatment
cross-firing
cross-fish
cross-fissured
cross-fixed
cross-flower
cross-folded
cross-fox
cross-fur
cross-gagged
cross-garnet
cross-gartered
cross-grain
cross-grained
cross-grainedly
cross-grainedness
cross-handed
cross-handled
cross-hatch
cross-hatcher
cross-hatching
cross-head
cross-headed
cross-hilted
cross-immunity
cross-immunization
cross-index
cross-interrogate
cross-interrogation
cross-interrogator
cross-interrogatory
cross-invite
cross-jack
cross-jack yard
cross-joined
cross-jostle
cross-laced
cross-laminated
cross-land
cross-lap
cross-lap joint
cross-latticed
cross-leaved
cross-legged
cross-leggishly
cross-leggedness
cross-level
cross-license
cross-licensed
cross-licensing
cross-lift
cross-light
cross-link
cross-locking
cross-lot bracing
cross-lot strut
cross-lots
cross-magnetizing field
cross-marked
cross-mate
cross-mated
cross-mating
cross-multiplication
cross-out
cross-out test
cross-over
cross-patch
cross-pawl
cross-peal
cross-piece
cross-piled
cross-plough
cross-plow
cross-ply
cross-point
cross-pollen
cross-pollenize
cross-pollinate
cross-pollinated
cross-pollinating
cross-pollination
cross-pollinize
cross-post
cross-purpose
cross-purposes
cross-question
cross-questionable
cross-questioner
cross-questioning
cross-ratio
cross-ratio group
cross-reaction
cross-reading
cross-refer
cross-reference
cross-remainder
cross-road
cross-row
cross-ruff
cross-sail
cross-section
cross-section paper
cross-sectional
cross-shaped
cross-shave
cross-slide
cross-spale
cross-spall
cross-springer
cross-staff
cross-staffs
cross-star
cross-staves
cross-sterile
cross-sterility
cross-stitch
cross-stitch canvas
cross-stitching
cross-stone
cross-stratification
cross-stratified
cross-striated
cross-string
cross-stringed
cross-stringing
cross-striped
cross-strung
cross-sue
cross-surge
cross-tail
cross-tine
cross-town
cross-tree
cross-validation
cross-vault
cross-vaulted
cross-vaulting
cross-vein
cross-veined
cross-ventilate
cross-ventilation
cross-vine
cross-voting
cross-way
cross-wind
cross-wind force
cross-worder
cross-wrapped
crossbar micrometer
crossbar shot
crossbar switching
crossbolt lock
crosscut chisel
crosscut file
crosscut method
crosscut saw
crosscut-saw file
crosse check
crossed fingers
crossed in love
crossed-h
crossed-out
crossing file
crossing over
crossing over and under
crossing sweeper
crossing the bar
crossing-out
crossing-over
crossjack brace
crossjack lift
crossjack yard
crossover network
crossword puzzle
crotch chain
crotch tongue
crotch veneer
croton bug
croton oil
croton-bug
croton-chloral hydrate
crotonic acid
crouch before
crouch ware
crouch-ware
croup kettle
croupous pneumonia
croupy down
crow blackbird
crow call
crow corn
crow duck
crow fig
crow flight
crow garlic
crow like a cock
crow like a rooster
crow ling
crow needle
crow onion
crow over
crow pea
crow pheasant
crow poison
crow sheaf
crow shrike
crow step
crow tit
crow to pick
crow to pluck
crow to pull
crow’s foot
crow’s nest
crow’s nest model
crow’s-feet
crow’s-foot
crow's-nest
crow's-nest model
crow-bar
crow-bill
crow-flower
crow-garlic
crow-leek
crow-леon
crow-quill
crow-silk
crow-soap
crow-step
crow-stone
crow-toe
crow-tread
crow-victuals
crowberry family
crowd grass
crowd in
crowd of sail
crowd on sail
crowd out
crowd puller
crowd sail
crowd your luck
crowd-pleasing argument
crowding engine
crowfoot family
crowfoot grama
crowfoot grass
crowfoot violet
crown aloes
crown and anchor
crown animalcule
crown antler
crown bar
crown block
crown brace
crown cam
crown canker
crown canopy
crown cap
crown class
crown colony
crown cork
crown court
crown cutter
crown daisy
crown debt
crown density
crown escapement
crown filler
crown fire
crown gall
crown gate
crown gear
crown glass
crown gold
crown graft
crown grafting
crown green
crown gum
crown head
crown imperial
crown jewels
crown knot
crown land
crown law
crown lawyer
crown leather
crown lens
crown living
crown molding
crown monkey
crown octavo
crown of thorns
crown office
crown palm
crown paper
crown piece
crown pigeon
crown plate
crown post
crown prince
crown princess
crown prosecutor
crown pulley
crown quarto
crown roast
crown rot
crown rust
crown saw
crown scab
crown sheet
crown shell
crown side
crown sparrow
crown system
crown tax
crown tile
crown vallary
crown vent
crown vetch
crown wart
crown wheel
crown with
crown with laurel
crown with success
crown-capping machine
crown-glass
crown-land
crown-of-jewels
crown-of-thorns
crown-paper
crown-piece
crown-post
crown-rump length
crown-scab
crown-shaped
crown-wheel
crown-wheel escapement
crown-work
crowned head
crowned with laurel
crowned with success
crowing achievement
crowning of the edifice
crowning touch
crownwort family
cruces ansatae
crucial moment
crucial period
crucial point
crucial test
cruciat-o-
crucible furnace
crucible steel
crucifixion thorn
crude oil
crude petroleum
crude rubber
crude stuff
crudeness of intellect
crudity of intellect
cruel and unusual punishment
cruel disappointment
cruel-hearted
cruet stand
cruise car
cruise missile
cruise ship
cruiser stern
cruiser weight
cruising missile
cruising radius
cruising speed
crub brush
crub of comfort
crumble into dust
crumble to dust
crupper bone
crusade for
crush bar
crush barrier
crush breccia
crush conglomerate
crush hat
crush one
crush plane
crush under an iron heel
crush your hope
crush zone
crusher sand
crushing burden
crushing defeat
crushing rejoinder
crushing rolls
crusily-fitchy
crust fold
crust fracture
crust roan
crust-hunt
crust-hunter
crust-hunting
crutch paralysis
crutch stake
crutch-cross
crutch-stick
crux ansata
crux capitata
crux commissa
crux decussata
crux gammata
crux immissa
crux ordinaria
cry aloud
cry at the top of your voice
cry back
cry back to
cry craven
cry down
cry for
cry for joy
cry for quarter
cry for the moon
cry havoc
cry of wolf
cry off
cry on
cry out
cry out against
cry out for
cry out on
cry out upon
cry over spilled
cry over spilled milk
cry pax
cry quits
cry shame upon
cry sour grapes
cry stinking fish
cry to
cry up
cry upon
cry wolf
cry your eyes
cry your eyes out
cry yourself blind
cry-
crying evil
crying shame
cryo-
cryo-aerotherapy
cryo-pump
cryolite glass
crypt-
cryptic mimicry
crypto-
cryptogenic epilepsy
cryptogenic infection
crystal ball
crystal carbonate
crystal class
crystal counter
crystal detector
crystal flower
crystal form
crystal gazer
crystal gazing
crystal glass
crystal gray
crystal habit
crystal lattice
crystal malt
crystal microphone
crystal pickup
crystal rectifier
crystal sand
crystal set
crystal system
crystal tea
crystal vinegar
crystal violet
crystal vision
crystal water
crystal-clear
crystal-clearness
crystal-dropping
crystal-flowing
crystal-gazer
crystal-girded
crystal-lattice constant
crystal-leaved
crystal-palace blue
crystal-palace green
crystal-producing
crystal-smooth
crystal-streaming
crystal-winged
crystalline lens
crystallo-
crystallographic axis
cub hunting
cub reporter
cub scout
cub shark
cub-drawn
cub-hunting
cuban heel
cubbridge head
cube ore
cube root
cube spar
cube steak
cube sugar
cube-shaped
cubeb camphor
cubeb oil
cubed steak
cubi-
cubic foot
cubic measure
cubic meter
cubic unit
cubic yard
cubical atom
cubist poetry
cubit arm
cubital furrow
cubito-
cubo-
cubo-octahedral
cubo-octahedron
cuboidal epithelium
cuck-stool
cucking stool
cucking-stool
cuckold dock
cuckold's knot
cuckold's neck
cuckoo bee
cuckoo clock
cuckoo clover
cuckoo dove
cuckoo falcon
cuckoo fly
cuckoo froth
cuckoo gillyflower
cuckoo grass
cuckoo hawk
cuckoo lamb
cuckoo orchis
cuckoo owl
cuckoo ray
cuckoo shoe
cuckoo shrike
cuckoo sorrel
cuckoo spit
cuckoo wasp
cuckoo wrasse
cuckoo's meat
cuckoo-babies
cuckoo-bread
cuckoo-bud
cuckoo-button
cuckoo-flower
cuckoo-fly
cuckoo-fool
cuckoo-meat
cuckoo-pint
cuckoo-pintle
cuckoo-shrike
cuckoo-spit
cuckoo-spittle
cucumber beetle
cucumber family
cucumber fish
cucumber flea beetle
cucumber fly
cucumber green
cucumber melon
cucumber mildew
cucumber mosaic
cucumber root
cucumber scab
cucumber tree
cucurbit mosaic
cucurbit wilt
cud-chewing
cuddle up
cuddy heel
cudgel play
cudgel your brains
cudweed mugwort
cue ball
cue bid
cue owl
cue rest
cue sheet
cue word
cue-bid
cue-bidden
cue-bidding
cue-owl
cuff button
cuff ironer
cuff link
cui bono
cui-ui
cuir-bouilli
cul de lampe
cul-de-four
cul-de-lampe
cul-de-sac
culilawan bark
culinary art
culinary artist
culinary concoction
culinary masterpiece
culinary preparation
culinary science
cull board
cull out
cullin stone
culm dump
culm measures
culpable negligence
culpably negligent
culs de lampe
cult-title
cultivate the friendship of
cultivate the soil
cultivated land
cultivated taste
cultivation of the mind
cultivator shield
cultural anthropologist
cultural anthropology
cultural change
cultural community
cultural drift
cultural lag
cultural-nomadic
culture area
culture center
culture complex
culture conflict
culture contact
culture drift
culture epoch
culture factor
culture flask
culture fluid
culture hero
culture lag
culture medium
culture mixing
culture myth
culture organism
culture pattern
culture pearl
culture phenomenon
culture plate
culture sequence
culture shock
culture stage
culture system
culture trait
culture vulture
culture word
cultured pearl
cultus cod
cultus image
cultus-cod
culver hole
cum coupon
cum dividend
cum grano salis
cum laude
cum multis aliis
cum warrants
cumara nut
cumin oil
cummin oil
cumu-cirro-stratus
cumul-
cumular-spherulite
cumulative distribution function
cumulative dividend
cumulative evidence
cumulative preferred stock
cumulative scoring
cumulative system
cumulative voting
cumulato-
cumulo-
cumulo-cirro-stratus
cumulo-cirrus
cumulo-nimbus
cumulo-stratus
cumulo-volcano
cumulonimbus calvus
cumulonimbus capillatus
cumulus cloud
cumulus congestus
cumulus fractus
cumulus humilis
cumulus mediocris
cumulus oophorus
cuneate lobe
cuneo-
cunning as a fox
cunning as a serpent
cunning person
cup and ball
cup and cover
cup barometer
cup bell
cup coral
cup custard
cup drill
cup escutcheon
cup fern
cup fungus
cup grease
cup hole
cup hook
cup joint
cup leather
cup lichen
cup maker
cup marker
cup moss
cup mushroom
cup nutseed
cup of Elijah
cup of bitterness
cup of tea
cup packing leather
cup plant
cup sculpture
cup set
cup shake
cup sponge
cup tie
cup turning
cup valve
cup washer
cup-and-saucer vine
cup-bearer
cup-headed
cup-mark
cup-marked
cup-moss
cup-shake
cup-shaped
cup-shot
cup-tied
cup-tossing
cupboard love
cupboard lover
cupid cake
cupid's bow
cupid's-bow
cupola builder
cupola charger
cupola feeder
cupola fettler
cupola furnace
cupola liner
cupola potman
cupola rammer
cupola smelter
cupola tapper
cupola tenter
cupola-capped
cupola-roofed
cupping glass
cuprammonium rayon
cuprea bark
cupreo-
cupric hydroxide
cupric sulfate
cupro-
cuproso-
cuprous cyanide
curate's egg
curative measures
curb ball
curb bit
curb box
curb broker
curb chain
curb exchange
curb key
curb market
curb pin
curb roof
curb sender
curb service
curb string
curb yourself
curb-plate
curb-roof
curb-sending
curb-stone
curbing trowel
curcas oil
curcum paper
curcuma starch
curd cheese
curd soap
curdle the
curdle the blood
cure of souls
cure yourself of
cure-all
curie point
curious as a cat
curious mind
curious person
curl cloud
curl up
curl upwards
curl your lip
curl your lip at
curl-flowered
curled mallow
curled-leaved
curlew bug
curlew jack
curlew sandpiper
curle-wurlie
curling die
curling dies
curling iron
curling irons
curling machine
curling paper
curling pins
curling press
curling punch
curling stone
curling tongs
curly clematis
curly grass
curly palm
curly top
curly-coated
curly-coated retriever
curly-haired
curly-headed
curly-locked
curly-pate
curly-pated
curly-polled
curly-toed
currant aphid
currant borer
currant bush
currant clearwing
currant fruit fly
currant leaf spot
currant moth
currant red
currant rust
currant sawfly
currant spanworm
currant stem girdler
currant tomato
currant tree
currant wine
currant worm
currant-leaf
currency bond
currency doctrine
currency metals
currency note
currency principle
current account
current assets
current breaker
current cost
current density
current electricity
current expenses
current gain
current gauge
current income bond
current indicator
current intensity
current liabilities
current limiter
current mark
current meter
current mill
current of air
current of events
current of fashion
current of ideas
current of thought
current of time
current price
current pulse
current quotation
current ratio
current regulator
current relay
current ripple
current saying
current tap
current transformer
current wheel
current yield
current-control circuit
current-limiting reactor
currente calamo
currícula vitae
curriculum vitae
curry favor
curry powder
curry puff
curry sauce
curry-comb
curry-favel
curry-leaf tree
currycomb file
curse and swear
curse up hill and down dale
curse with bell
curse word
curse your folly
curse, the
cursing stone
cursing well
cursive epilepsy
cursive hand
cursory inspection
curt-hose
curve of flotation
curve of loads
curve of resistance
curve of weights
curve-ball
curve-billed
curve-drawing meter
curve-fruit
curve-fruit
curve-veined
curved-fruit
curve-horned
curved-veined
curvi-
curivar
curve-linear coordinate system
cusco bark
cusco china
cusco-bark
cuscus oil
cush-cush
cushew-bird
cushing's disease
cushion aloe
cushion block
cushion capital
cushion carom
cushion cut
cushion dance
cushion felt
cushion filler
cushion fillings
cushion head
cushion iris
cushion maker
cushion pink
cushion plant
cushion rafter
cushion scale
cushion shot
cushion sole
cushion spurge
cushion star
cushion stitch
cushion tire
cushion-footed
cushion-shaped
cushion-tired
cusk eel
cusk-eel
cusk-eels
cusp locus
cusp-shaped
cusparia bark
cuspidate tooth
cuss like a sailor
cuss out
cuss word
cussing-out
custard apple
custard cup
custard glass
custard pie
custard powder
custard-cups
custodes morum
custom builder
custom hatching
custom house
custom mill
custom tailor
custom work
custom worker
custom-built
custom-cut
custom-house
custom-made
custom-tailored
customer agent
customer ownership
customer's broker
customer's man
customhouse broker
customs bond
customs broker
customs duty
customs house
customs union
custs-exempt
custs-house
custos morum
custos rotulorum
cut a caper
cut a corner
cut a crab
cut a dash
cut a dido
cut a feather
cut a figure
cut a figure in society
cut a lobster
cut a melon
cut a rug
cut a swath
cut across
cut adrift
cut along
cut and dried
cut and run
cut and thrust
cut and try
cut apart
cut at
cut away
cut back
cut both ways
cut capers
cut corners
cut crosswise
cut dead
cut diagonally
cut direct
cut down
cut down expenses
cut down on
cut down to size
cut drop
cut fine
cut glass
cut hunter
cut ice
cut in
cut in two
cut into
cut it
cut it fine
cut it out
cut loose
cut lots
cut nail
cut no ice
cut of your jib
cut off
cut off short
cut off with a shilling
cut off without a cent
cut off your spurs  
cut open  
cut out  
cut out for  
cut out of your will  
cut plug  
cut price  
cut prices  
cut rate  
cut short  
cut some ice  
cut stone  
cut string  
cut the Gordian knot  
cut the cards  
cut the deck  
cut the first turf  
cut the ground from under  
cut the ground from under one  
cut the hair  
cut the knot  
cut the matter short  
cut the melon  
cut the mustard  
cut the pie  
cut the throat  
cut through  
cut time  
cut to  
cut to pieces  
cut to ribbons  
cut to the heart  
cut to the quick  
cut transversely  
cut under  
cut up  
cut up bad  
cut up nasty  
cut up root and branch  
cut up rough  
cut velvet  
cut work out for  
cut you short  
cut your eyeteeth  
cut your eyeteeth on  
cut your losses  
cut your own throat  
cut your teeth
cut your teeth on
cut your throat
cut your wisdom teeth
cut-and-cover
cut-and-dried
cut-and-dry
cut-and-try
cut-away
cut-back
cut-card work
cut-down
cut-finger
cut-flight conveyer
cut-glass
cut-grass
cut-in
cut-leaf
cut-leaved
cut-off
cut-out
cut-paper
cut-price
cut-rate
cut-through
cut-toothed
cut-under
cut-up technique
cut-work
cutaneous quittor
cutaneous sense
cutaway coat
cute as a bug’s ear
cute chick
cute trick
cutes verae
cuticula dentis
cutie pie
cutis anserina
cutis vera
cutlass fish
cutleaf blackberry
cutlery buffer
cutlips minnow
cutoff drainage
cutoff point
cutoff saw
cutoff valve
cutout switch
cutter arbor

cutter bar

cutter block

cutter brig

cutter gig

cutter rig

cutter sloop

cutter yacht

cutter-built

cutter-down

cutter-gig

cutter-off

cutter-out

cutter-rigged

cutter-up

cutthroat competition

cutthroat contract

cutthroat grass

cutthroat razor

cutthroat trout

cutting almond

cutting angle

cutting blowpipe

cutting board

cutting compound

cutting die

cutting drift

cutting edge

cutting fluid

cutting grass

cutting horse

cutting in two

cutting lubricant

cutting machine

cutting of supply lines

cutting oil

cutting out

cutting pliers

cutting press

cutting punch

cutting remark

cutting rule

cutting sand

cutting shoe

cutting stage

cutting the pie

cutting torch

cutting words
cutting your losses
cutting-off tool
cuttle-bone
cuttle-fish
cutty sark
cutty stool
cutty-stool
cutwater bow
cutwork lace
ey pres
cy-
cyan blue
cyan-
cyan-blue
cyanamidexprocess
cyani flower
cyanic acid
cyanide gas
cyanide mill
cyanide process
cyanine blue
cyano group
cyano radical
cyano-
cyanogen bromide
cyanogen chloride
cyanuric acid
cybernated factory
cybernetic control
cybernetic technologist
cycad fern
cycas family
cycl-
cyclamen aldehyde
cyclamen mite
cycle billing
cycle form
cycle of erosion
cycle of indiction
cyclic AMP
cyclic GMP
cyclic group
cyclic neutropenia
cyclic pitch lever
cyclic shift
cyclical stock
cyclical unemployment
cyclo-
cyclo-cross
cycloid personality
cycloidal gear
cycloidal propulsion
cyclone cellar
cyclone center
cyclone collector
cyclone furnace
cyclone juice
cyclone separator
cyclone-proof
cyclopean concrete
cyclothymic personality
cylinder block
cylinder bore
cylinder desk
cylinder escapement
cylinder front
cylinder gate
cylinder glass
cylinder grinder
cylinder head
cylinder machine
cylinder metal
cylinder mill
cylinder oil
cylinder planer
cylinder press
cylinder pressman
cylinder reamer
cylinder saw
cylinder scale
cylinder seal
cylinder sinker
cylinder slasher
cylinder snake
cylinder splitter
cylinder-bored
cylinder-boring
cylinder-dried
cylinder-grinding
cylinder-shaped
cylindric-campanulate
cylindric-fusiform
cylindric-oblong
cylindric-ovoid
cylindric-subulate
cylindrical coefficient
cylindrical coordinates
cylindrical projection
cylindro-
cyma recta
cyma reversa
cyne-
cynic spasm
cyno-
cypress grass
cypress green
cypress knee
cypress koromiko
cypress lawn
cypress moss
cypress oil
cypress pine
cypress spurge
cypress thatch
cypress vine
cypress-leaf oil
cyprus black as e'er was crow
cyprus cat
cyrilla family
cyro-
cyst-
cysti-
cystic fibrosis
cysto-
cyt-
cyto-
cytochrome reductase
cytochrome system
cytomegalic inclusion disease
d day
d layer
d region
d'Albert
d'Alembert
d'Alembert's test
d'Arblay
d'Holbach
d'Indy
d-
d-c
d-glucose
dB
dBV
dBW
dBa
dBm
dBm/m
dBrn
da Vinci
da capo
dab hand
daber locks
dactyl-
dactylic hexameter
dactylio-
dactylo-
dad-blamed
dad-blasted
dad-burned
daddy longlegs
daddy-long-legs
daddy-longlegs
daddynut tree
dado head
dado in
dado plane
dado rail
daer-stock
daffodil garlic
daffodil lily
daffodil yellow
daft days
dag-lock
dag-tailed
dagger board
dagger cocklebur
dagger fern
dagger knee
dagger money
dagger moth
dagger plank
dagger plant
dagger wood
dagger-shaped
daggle-tail
daghesh forte
daghesh lene
dahl sauce
dahlia carmine
dahlia purple
dahlia sugar
dahlia sunflower
dahlia wartlet
dahoon holly
dai-sho
dai-sho-no-soroimono
dail eireann
daily and hourly
daily bread
daily communicant
daily double
daily dozen
daily grind
daily newspaper
daily round
daily routine
daily-breader
dainty-eared
dainty-fingered
dainty-limbed
dainty-mouthed
dainty-tongued
dainty-toothed
dairy barn
dairy breed
dairy butter
dairy cattle
dairy cheese
dairy cooler
dairy country
dairy cow
dairy cows
dairy farm
dairy farmer
dairy farming
dairy house
dairy husbandry
dairy lunch
dairy milk
dairy product
dairy products
dairy room
dairy salt
dairy school
dairy society
dairy truck
dairy wagon
dairy-cooling
dairy-farming
dairy-fed
dairy-made
daisy bush
daisy chain
daisy cutter
daisy fleabane
daisy ham
daisy tree
daisy-blossomed
daisy-clipping
daisy-cutter
daisy-cutting
daisy-dappled
daisy-dimpled
daisy-painted
daisy-spangled
dak boat
dak bungalow
daker hen
daker-hen
dal segno
dalai lama
dale end
dale head
dale land
dale lander
dale-backed
dall sheep
dallis grass
dally away
dam up
dam-brod
damage feasant
damage your good name
damage-feasant
damascus steel
damask carpet
damask rose
damask steel
damask stitch
dame school
dame's rocket
dame's violet
dame's-violet
dame-school
dammar pine
damn it
damn with faint praise
dannant quod non intelligunt
damned if I know
damned little difference
damned spirits
damned, the
damning evidence
damning with faint praise
damp box
damp course
damp down
damp off
damp sap
damp the spirits
damp-proof course
damp-stained
damp-worn
dampen the spirits
damper action
damper block
damper crank
damper head
damper pedal
damper rail
damper spoon
damper stop
damper valve
damper winding
damping constant
damping factor
damping machine
damping off
damping-off
damsel fly
damsel-errant
damson cheese
damson pie
damson plum
damson wine
dan buoy
dance attendance
dance attendance on
dance attendance upon
dance band
dance critic
dance drama
dance favor
dance floor
dance fly
dance for joy
dance form
dance hall
dance house
dance leader
dance music
dance notation
dance of death
dance on a hot griddle
dance on air
dance on the razor's edge
dance palace
dance pantomime
dance program
dance rhythm
dance society
dance song
dance step
dance steps
dance the war dance
dance to another tune
dance tune
dance upon nothing
dance-loving
dancing assembly
dancing dervish
dancing disease
dancing floor
dancing girl
dancing hall
dancing lesson
dancing light
dancing mania
dancing master
dancing match
dancing mistress
dancing partner
dancing party
dancing pavilion
dancing room
dancing school
dancing step
dancing winder
dancing-girl
dancing-girls
dandelion digger
dandelion greens
dandelion puller
dandelion wine
dandelion-leaved
dandie dinmont
dandy brush
dandy cart
dandy fever
dandy roll
dandy roller
dandy-brush
dandy-cock
dandy-hen
dandy-horse
dandy-line
dandy-roller
dane-law
danes’-blood
danger angle
danger ball
danger bearing
danger flag
danger instinct
danger line
danger money
danger point
danger sign
danger signal
danger to health
danger whistle
danger zone
danger-fearing
danger-fraught
danger-free
danger-loving
danger-teaching
dangerous drug
dangerous ground
dangle before one
dangle before the eyes
dangling modifier
dangling participle
danish pastry
danke schon
danse du ventre
danse macabre
danses du ventre
danseur noble
danseurs nobles
daoine sithe
dap joint
dap-dap
daphne pink
daphne red
dapple-bay
dapple-gray
dapple-grey
dappled-gray
darby and joan
dare not
dare to
dare-base
dare-devil
daring imagination
dariole mould
dark Cornish
dark adaptation
dark age
dark ages
dark and gloomy
dark as a wolf's mouth
dark as night
dark as pitch
dark beer
dark bread
dark chocolate
dark cloud
dark clouds
dark comedy
dark corner
dark depths
dark glasses
dark horse
dark lantern
dark lightning
dark meat
dark mineral
dark nebula
dark of night
dark of the moon
dark reaction
dark secret
dark segment
dark shade
dark skinned
dark star
dark-adapted
dark-bearded
dark-blue
<table>
<thead>
<tr>
<th>dark-bosomed</th>
<th>dark-boughed</th>
<th>dark-breasted</th>
</tr>
</thead>
<tbody>
<tr>
<td>dark-browed</td>
<td>dark-closed</td>
<td>dark-colored</td>
</tr>
<tr>
<td>dark-complexioned</td>
<td>dark-embrowned</td>
<td>dark-eyed</td>
</tr>
<tr>
<td>dark-featured</td>
<td>dark-field</td>
<td>dark-field illumination</td>
</tr>
<tr>
<td>dark-field microscope</td>
<td>dark-fired</td>
<td>dark-flowing</td>
</tr>
<tr>
<td>dark-fringed</td>
<td>dark-glancing</td>
<td>dark-gray</td>
</tr>
<tr>
<td>dark-green</td>
<td>dark-grown</td>
<td>dark-haired</td>
</tr>
<tr>
<td>dark-hued</td>
<td>dark-hulled</td>
<td>dark-lantern</td>
</tr>
<tr>
<td>dark-leaved</td>
<td>dark-line spectrum</td>
<td>dark-minded</td>
</tr>
<tr>
<td>dark-minded</td>
<td>dark-orange</td>
<td>dark-prisoned</td>
</tr>
<tr>
<td>dark-red</td>
<td>dark-rolling</td>
<td>dark-shining</td>
</tr>
<tr>
<td>dark-sighted</td>
<td>dark-skinned</td>
<td>dark-splendid</td>
</tr>
<tr>
<td>dark-stemmed</td>
<td>dark-suited</td>
<td>dark-stemmed</td>
</tr>
<tr>
<td>dark-trace tube</td>
<td>dark-veiled</td>
<td>dark-diagram</td>
</tr>
<tr>
<td>dark-veined</td>
<td>dark-visaged</td>
<td>dark-working</td>
</tr>
<tr>
<td>darken over</td>
<td>darken your door</td>
<td>darkened mind</td>
</tr>
<tr>
<td>darkness visible</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
darkness which may be felt
darkroom timer
darktrace tube
darn ar durn
darning ball
darning cotton
darning egg
darning gourd
darning needle
darning silk
darning stitch
darning work
darning worsted
daroo tree
darrein presentment
darrein resort
dart ahead
dart grass
dart gun
dart snake
dart thrower
dart to and fro
darting pain
dartwaza band
das Ewig-Weibliche
dash ahead
dash at
dash down
dash for
dash into
dash lamp
dash light
dash of the pen
dash off
dash on
dash the cup from your lips
dash to your hopes
dash your brains out
dash your hope
dash-board
 dashed hope
 dashed hopes
 dashed block
 data analyzer
 data bank
 data capture
 data processing
 data processor
data reduction
data retrieval
data set
data storage
data system
data transmission
data-gathering
data-handling system
data-input system
data-interpreting system
data-reduction system
date at
date bar
date brandy
date coffee
date fever
date fig
date from
date grove
date line
date mussel
date of record
date palm
date plum
date shell
date slip
date stamp
date sugar
date tree
date wine
date-bearing
date-stamp
date-stamping
dating nail
dative bond
datum line
datum plane
datum point
daughter element
daughter of Eve
daughter of joy
daughter of the dawn
daughter-in-law
daughters-in-law
davenport table
davy jones
daivy jones's locker
daivy lamp
dawn chorus
dawn dew
dawn goddess
dawn on
dawn patrol
dawn redwood
dawn upon one
dawn-illumined
dawn-tinted
day after day
day and night
day bed
day bell
day blindness
day boy
day breeze
day by day
day camp
day clock
day clothes
day coach
day degree
day drift
day fireman
day fishing
day gang
day gate
day glow
day god
day gown
day guest
day hand
day hater
day haul
day hour
day house
day in
day in and day out
day in court
day in day out
day jasmine
day journeying
day labor
day laborer
day labour
day letter
day lily
day loan
day-day
day-detesting
day-devouring
day-dispensing
day-distracting
day-dream
day-eyed
day-fever
day-flower
day-fly
day-flying
day-hating
day-hired
day-lasting
day-lily
day-lived
day-loving
day-mare
day-net
day-neutral
day-peep
day-rawe
day-rule
day-shining
day-sight
day-spring
day-star
day-tale
day-time
day-to-day
day-to-day loan
day-to-day money
day-tripper
day-wearied
day-woman
day-writ
daylight blue
daylight factor
daylight glass
daylight lamp
daylight projection
daylight robbery
daylight saving
daylight saving time
daylight vision
daylight-saving time
days beyond recall
days gone by
days of grace
days of old
days of yore
daytime serial
dazzle painting
dazzle system
dazzling light
de Beauvoir
de Broglie
de Broglie equation
de Broglie wave
de Broglie waves
de Gaulle
de Gaullism
de Kooning
de Lesseps
de Moivre
de Moivre's theorem
de Sica
de Valera
de Villiers
de Wint
de bene esse
de bonis non administratis
de bonne volonté
de die in diem
de facto
de fide
de fond en comble
de gaullism
de gustibus non est disputandum
de haut en bas
de jure
de longue haleine
de los Angeles
de luxe
de mal en pis
de mortuis nil nisi bonum
de novo
de plano
de profundis
de proprio motu
de rerum natura
de rien
de rigueur
de stijl
de trop
de-
de- prestige
de-Stalinization
de-Stalinize
de-Stalinized
de-Stalinizing
de-aerate
de-aerate
de-afforest
de-articulate
de-articulation
de-christianize
de-educate
de-electrify
de-electrization
de-electrize
de-emanate
de-emanation
de-emphases
de-emphasis
de-emphasize
de-emphasized
de-emphasizing
de-emulsibility
de-emulsify
de-emulsivity
de-energize
de-escalate
de-escalation
de-ethicization
de-ethicize
de-excite
de-excited
de-exciting
de-ice
de-icer
de-insularize
de-ossify
de-pauperize
de-russianize
de-saxonize
de-semiticize
tea-nettle
dacon seat
dead above the ears
dead against
dead ahead
dead and buried
dead and done for
dead and gone
dead as a doornail
dead as a herring
dead as mutton
dead asleep
dead band
dead beat
dead between the ears
dead blackout
dead body
dead calm
dead center
dead centre
dead certainty
dead circuit
dead colour
dead duck
dead end
dead firing
dead flat
dead force
dead from the neck up
dead giveaway
dead hand
dead hand of the past
dead heat
dead in the Lord
dead language
dead leaf
dead letter
dead level
dead lift
dead load
dead lock
dead loss
dead low tide
dead low water
dead mail
dead man
dead man's control
dead man's fingers
dead man's hand
dead man's handle
dead march
dead matter
dead men
dead metal
dead muzzler
dead of night
dead on your feet
dead palsy
dead pan
dead past
dead pay
dead person
dead persons
dead pledge
dead point
dead reckoning
dead right
dead ringer
dead run
dead sea
dead season
dead set
dead set at
dead set on
dead sheave
dead shot
dead slow
dead soldier
dead space
dead spindle
dead spot
dead stand
dead stick
dead stock
dead stop
dead storage
dead straight
dead sure
dead time
dead to
dead to rights
dead to shame
dead to the world
dead wall
dead water
dead weight
dead well
dead woman
dead wood
dead zone
dead-afraid
dead-air
dead-air space
dead-alive
dead-alivism
dead-and-alive
dead-anneal
dead-arm
dead-ball line
dead-blanched
dead-born
dead-bright
dead-burn
dead-center
dead-centre
dead-cold
dead-color
dead-colored
dead-dip
dead-doing
dead-drifting
dead-drunk
dead-drunkenness
dead-end
dead-end street
dead-eye
dead-face
dead-front
dead-frozen
dead-grown
dead-hand
dead-hearted
dead-heat
dead-heater
dead-heavy
dead-kill
dead-leaf
dead-letter
dead-light
dead-line
dead-live
dead-man control
dead-man's float
dead-melt
dead-nettle
dead-point
dead-rise
dead-rise line
dead-roast
dead-seeming
dead-set
dead-sick
dead-smooth
dead-soft
dead-stick
dead-stick landing
dead-stick loop
dead-still
dead-stroke
dead-stroke hammer
dead-struck
dead-sure thing
dead-tired
dead-tongue
dead-weight
dead-weight safety valve
dead-work
deadbeat escapement
deaden the pain
deadly nightshade
deadly pale
deadly pallor
deadly sin
deadly sin of envy
deadly sins
deadly weapons
deadweight capacity
deadweight tonnage
deadwood fence
deaf and dumb
deaf as a door
deaf as a doorknob
deaf as a doornail
deaf as a post
deaf as a stone
deaf as an adder
deaf ears
deaf to
deaf to reason
deaf-and-dumb
deaf-and-dumb alphabet
deaf-and-dumb person
deaf-dumb
deaf-dumbness
deaf-eared
deaf-minded
deaf-mute
deaf-muteness
deaf-mutism
deal a blow
deal a blow at
deal a check to
deal a crushing defeat
deal a deathblow
deal a deathblow to
deal a knockout blow to
deal a smashing defeat
deal board
deal by
deal carrier
deal destruction
deal hard measure to
deal hardly with
deal harshly with
deal illicitly
deal in
deal in abstractions
deal in commercial paper
deal in futures
deal in generalities
deal in money
deal in the marvelous
deal merchant
deal off
deal off the bottom of the deck
deal out
deal porter
deal runner
deal someone in
deal table
deal with
deal worker
deal yard
deal-board
dealer acceptance
dealer allowance
dealer help
dealing box
dealing death
dealing in commercial paper
dealings of providence
dean of guild
dean of men
dean of the faculty
dean of women
dean's list
dear as the apple of your eye
dear at any price
dear joy
dear me
dear one
dear to your heart
dear-bought
dear-cut
dearest wish
dearly beloved
dearly love
dearly love to
dearth of ideas
dearth adder
dearth agonies
dearth agony
dearth alder
dearth angel
dearth angle
dearth bell
dearth benefit
dearth bill
dearth blast
dearth bolt
dearth bone
dearth by your own hand
dearth camas
dearth camass
dearth candle
dearth cap
dearth cell
dearth certificate
dearth chair
dearth chamber
dearth chime
dearth cloth
dearth cord
dearth cry
dearth cup
dearth damp
dearth dance
dearth defiance
dearth demon
dearth dw
dearth dirge
dearth drink
dearth drum
dearth duty
dearth examiner
death feint
death feud
death fire
death flame
death grant
death grapple
death grip
death groan
death herb
death hour
death house
death hymn
death instinct
death knell
death light
death list
death mask
death note
death notice
death of the heart
death of the soul
death pang
death peal
death penalty
death penny
death point
death prayer
death rate
death rattle
death ray
death roll
death rope
death row
death ruckle
death seat
death sentence
death shriek
death sleep
death song
death stab
death stroke
death struggle
death sweat
death symbol
death tax
death thirst
death throe
death throes
death tick
death toll
death trance
death vacancy
death warrant
death weight
death wish
death wraith
deadth's bright angel
deadth's-face
deadth's-head
deadth's-head moth
deadth's-herb
deadth-bearing
deadth-bed
deadth-begirt
deadth-bell
deadth-bird
deadth-black
deadth-blow
deadth-boding
deadth-braving
deadth-bringing
deadth-cold
deadth-come-quickly
deadth-counterfeiting
deadth-darting
deadth-day
deadth-deaf
deadth-deafened
deadth-dealing
deadth-deep
deadth-defying
deadth-devoted
deadth-dewed
deadth-divided
deadth-divining
deadth-doing
deadth-doom
deadth-due
deadth-fire
deadth-laden
deadth-marked
deadth-pale
deadth-polluted
deadth-practiced
deadth-shadowed
deadth-sheeted
death-sick
death-stiffening
death-stricken
death-struck
death-subduing
death-swimming
death-threaten
death-throe
death-warrant
death-watch
death-weary
death-winged
death-worm
death-worthy
death-wound
death-wounded
deathbed deed
deathbed repentance
deathlike calm
deathlike silence
deathly hue
deathly pale
deathly pallor
deathwatch beetle
dehase yourself
debating point
debenture bond
debenture stock
debit ticket
debonis non
debris glacier
debt book
debt limit
debt of honor
debt of honour
debt of nature
debt service
debt slave
debt slavery
debtor and creditor account
debtor's prison
debts recovery court
debutante bob
deca-
decade ring
decanal side
decanoi acid
decanoic acid
decapod locomotive
decarbonized iron
decay coefficient
decay of memory
decay series
deceased, the
decedent estate
deceive yourself
deceleration parachute
decem-
decception bed
decent table
deceptive cadence
deci-
decide against
decide between
decide upon
decided resemblance
decided upon
deciding vote
deciduous plant
deciduous tooth
decimal candle
decimal classification
decimal currency
decimal fraction
decimal place
decimal point
decimal system
decimo-sexta
decision procedure
decision-making
decisive defeat
decisive moment
deck beam
deck block
deck board
deck bolt
deck boy
deck bridge
deck car
deck cargo
deck chair
deck curb
deck department
deck elevator
deck feather
deck floor
deck gang
deck gun
deck hand
deck hook
deck horse
deck iron
deck key
deck kicker
deck light
deck load
deck log
deck molding
deck nail
deck of cigarettes
deck officer
deck out
deck over
deck passage
deck passenger
deck pipe
deck plate
deck plating
deck pump
deck quoits
deck roof
deck seat
deck sheet
deck steward
deck stool
deck stopper
deck stringer
deck tackle
deck tennis
deck transom
deck turret
deck up
deck watch
deck-piercing
deck-piercing shell
decked out
decking chain
deckle edge
deckle strap
deckle-edged
declaim against
declaration of faith
declaration of policy
declaration of war
declaratory judgment
declare a dividend
declare a moratorium
declare a recess
declare lawful
declare null and void
declare off
declare roundly
declare to God
declare war
declare yourself
declare yourself a party
declare yourself against
declaring yourself in
declination axis
declination circle
declination compass
declination parallel
decline and fall
decline of day
decline of life
decline politely
decline to accept
decline with thanks
declined with thanks
declining market
declining years
decocction process
decoding servomechanism
decomposition potential
decompression chamber
decompression sickness
decorated hero
decoration of honor
decorative composition
decorative lighting
decorative painting
decorative sculpture
decorative style
decorative surgery
decorator color
decoy duck
decoy-duck
decrease in size
decrease in temperature
decree absolute
decree dative
decree law
decreet nisi
decreet of nullity
decree-law
decrecent moon
decret loi
decubitus ulcer
decuman gate
dedendum circle
dedicate onself to
dedicate to
dedicate yourself to
dedication to duty
deductible clause
deductive power
deductive reasoning
deed of arrangement
deed of indemnity
deed of release
deed of trust
deed over
deed poll
deed without a name
deem trustworthy
deep as China
deep as a well
deep as hell
deep as the ocean
deep as the sea
deep asleep
deep bass
deep black
deep fat
deep floor
deep freeze
deep freezing
deep fryer
deep future
deep in debt
deep into
deep kiss
deep knowledge
deep mourning
deep night
deep sea
deep secret
deep sense
deep sensibility
deep six
deep sleep
deep space
deep structure
deep study
deep therapy
deep thought
deep water
deep, the
deep-affected
deep-affrighted
deep-asleep
deep-bellied
deep-biting
deep-blue
deep-bodied
deep-bosomed
deep-brained
deep-breasted
deep-breathing
deep-brooding
deep-browed
deep-buried
deep-chested
deep-colored
deep-contemplative
deep-crimsoned
deep-cut
deep-damasked
deep-discriminating
deep-discount bond
deep-dish
deep-dish pie
deep-domed
deep-down
deep-downness
deep-draw
deep-drawing
deep-drawn
deep-drenched
deep-drew
deep-drinking
deep-drunk
deep-dye
deep-dyed
deep-dyed falsehood
deep-echoing
deep-embattled
deep-engraven
deep-etch plate
deep-eyed
deep-faced
deep-felt
deep-fermenting
deep-fetched
deep-fixed
deep-flewed
deep-freeze
deep-freezed
deep-freezer
deep-freezing
deep-fried
deep-froze
deep-frozen
deep-fry
deep-frying
deep-going
deep-green
deep-groaning
deep-grounded
deep-grown
deep-kiss
deep-laden
deep-laid
deep-laid plot
deep-laid scheme
deep-level mine
deep-lunged
deep-lying
deep-mouthed
deep-musing
deep-naked
deep-persuading
deep-piled
deep-pitched
deep-pointed
deep-pondering
deep-premeditated
deep-questioning
deep-reaching
deep-read
deep-revolving
deep-rooted
deep-rooted belief
deep-rootedness
deep-rooting
deep-sea
deep-sea diver
deep-sea diving
deep-sea lead
deep-sea line
deep-sea man
deep-sea smelt
deep-searching
deep-seated
deep-seatedness
deep-set
deep-settled
deep-sided
deep-sighted
deep-sinking
deep-six
deep-skirted
deep-sore
deep-sounding
deep-space ship
deep-stapled
deep-sunk
deep-sunken
deep-sweet
deep-sworn
deep-tangled
deep-thinking
deep-thoughted
deep-thrilling
deep-throated
deep-toned
deep-transported
deep-trenching
deep-troubled
deep-udderred
deep-vaulted
deep-versed
deep-voiced
deep-waisted
deep-water
deep-worn
deep-wounded
deepest feelings
deepest mind
deepest recesses
deeplv involved
deply involved in debt
deepwater sailor
deer brush
deer cabbage
deer call
deer cart
deer fence
deer fern
deer fly
deer fly fever
deer foot
deer forest
deer grass
deer hide
deer keeper
deer laurel
deer lick
deer mouse
deer park
deer tick
deer tiger
deer vine
deer's-tongue
deer-coloured
deer-eyed
deer-fly fever
deer-hair
deer-hound
deer-lick
deer-mouse
deer-neck
deer-staiker
deer-stealer
deerhorn cactus
deerwort boneset
defamation of character
defeat expectation
defeat hope
defeat of time
defeat time
defeat utterly
defeated candidate
defect of sight
defect of vision
defective eye
defective eyes
defective number
defective verb
defective vision
defective year
defence mechanism
defend tooth and nail
defender of the bond
defender of the marriage bond
defending line
defense bond
defense counsel
defense in depth
defense mechanism
defense of a thesis
defense plant
defense reaction
defense test
defensive lineman
defensive stock
defensive strategy
defensive warfare
defer to
defer to your duty
deferential regard
deferred annuity
deferred assets
deferred bond
deferred income
deferred payments
deferred sentence
deferred share
deferred stock
defervescing plague
defiance of authority
defiance of time
deficiency account
deficiency anemia
deficiency bill
deficiency disease
deficiency judgment
deficiency statement
deficient number
deficit financing
deficit spending
definite article
definite integral
definite odor
definite-proportions law
definite-time
definitely right
definitive bond
definitive host
definitive plumage
definitive work
deflagrating spoon
deflationary gap
deflationary spiral
deflecting bar
deflecting force
deflecting torque
deflection angle
deflection generator
deflection method
deflection offset
deflection scale
deflection yoke
deflection-modulated display
deformation curve
deformation ellipsoid
deformed bar
defray expenses
deft-fingered
defy authority
defy danger
defy time
degenerate state
degenerate states
degeneration disease
degenerative arthritis
degenerative change
degenerative disease
degenerative joint disease
degradation of energy
degrade yourself
degree day
degree of freedom
degree of frost
degree of variance
degree-cut
degree-day
degree-granting institution
degrees of comparison
dehydrated alcohol
dehydrated foods
dei gratia
dei plenus
deion circuit breaker
diesel engine
deities of fertility
deities of justice
deities of the household
deities of the nether world
dey of nether world
deja vu
dejeuner a la fourchette
deka-
del Sarto
del credere
del credere agent
delay line
delay screen
delay-action
delayed action
delayed alpha particle
delayed drop
delayed neutron
delayed reaction
delayed speech
delayed-action
delayed-action bomb
delayed-action fuse
delaying action
deliberate aggravation
deliberate over
deliberate stages
deliberate upon
deliberately provoked
deliberative assembly
deliberative body
delicate distinction
delicate health
delicate issue
delicate-handed
delicately weak
delight in
delight the palate
delimited field
delineating in the imagination
delirium alcoholicum
delirium ebrisotatis
delirium musitans
delirium tremens
deliver a lecture
deliver an address
deliver an ultimatum
deliver judgment
deliver over
deliver up your arms
deliver your charge to the jury
deliver yourself
deliver yourself from
delivered price
delivery boy
delivery order
delivery price
delivery room
delivery ticket
delivery truck
delivery van
della Robbia
della crusca
delph blue
delta connection
delta current
delta function
delta iron
delta plain
delta plateau
delta potential
delta ray
delta rhythm
delta winding
delta wing
delta-planform jet
delta-shaped
delude yourself
deluded belief
deluge set
delusion of grandeur
delusion of persecution
delusion of reference
delve for
delve into
demand attention
demand bid
demand bill
demand curve
demand deposit
demand draft
demand for
demand limiter
demand loan
demand meter
demand note
demand payment
demand rate
demand-load limiter
demand-pull inflation
demean yourself
dementia a potu
dementia paralytica
dementia praecox
demerit mark
demesne farm
demi-
demi-batn
demi-cannon
demi-culverin
demi-hunter
demi-incognito
demi-island
demi-islander
demi-jour
demi-lance
demi-landau
demi-mondaine
demi-monde
demi-ostade
demi-paradise
demi-pension
demi-pique
demi-puppet
demi-rep
demi-sang
demi-season
demi-sec
demi-sel
demi-semi
demi-sheath
demi-vill
demilitarized zone
demipirouette volt
demo-
democrat wagon
democratic centralism
democratic-republican
demoiselle crane
demolition bomb
demolition derby
demolition rocket
demon star
demon worship
demon worshiper
demonic energy
demono-
demonstrable existence
demonstrable fact
demonstrate against
demonstrate respect for
demonstrate your ability
demotic character
demy octavo
demy quarto
den chief
den dad
den mother
den of iniquity
den of thieves
den of vice
den-tree
denatured alcohol
dendr-
dendritic drainage pattern
dendro-
dene-hole
dengue fever
denial of due credit
denial of proper credit
denied due credit
denied proper credit
denied to
denim jacket
denizen of the deep
denizens of hell
denizens of the air
denizens of the forest
denizens of the jungle
denizens of the wild
denominate number
denominational school
dense body
dense-flowered
dense-headed
dense-minded
dense-wooded
density altitude
density control
density current
density function
density indicator
density rule
dent corn
dental bridge
dental corps
dental floss
dental gold
dental hygiene
dental hygienist
dental length
dental lisp
dental orthopaedics
dental plaque
dental plate
dental pulp
dental surgeon
dental surgery
dental technician
dentary-splenial
dentate-ciliarte
dentate-crenate
dentate-serrate
dentate-sinuate
dentato-
denti-
dentil band
dentist's chair
dento-
denuded of
denumerative geometry
deny yourself
deny yourself not at all
deny yourself nothing
deny yourself to
deo volente
dedorant soap
deontological ethics
deoxy-
deoxyribonucleic acid
depart from
depart from the prepared text
depart this life
departed spirit
departed this life
departed, the
department hospital
deprive of freedom
deprive of life
deprive of office
deprive of sight
deprive you of
deprived of
deprived of reason
depriving of sight
depth bomb
depth charge
depth gauge
depth indicator
depth indicators
depth interview
depth measure
depth measurement
depth of field
depth of focus
depth of hold
depth of misery
depth of thought
depth of winter
depth perception
depth psychology
depth sounder
depth sounding
depth table
depth-charge
depth-charged
depth-charging
depthing tool
depths of space
depths of your being
deputy collector
deputy commissioner
deputy sheriff
der Tag
der-doing
derailing switch
derb fine
derestic thinking
derivable from
derivation from
derivative action
derivative title
derive from
derive pleasure from
derived authority
derived curve
derived four-channel system
derived function
derived set
derived unit
deriving from
derm-
dermat-
dermato-
dermato-autoplasty
dermo-
dermoid cyst
dernier cn
dernier cri
dernier ressort
derogate from
derrick block
derrick boat
derrick boatman
derrick car
derrick chain
derrick crab
derrick crane
derrick elevator
derrick engine
derrick floor
derrick floorman
derrick forge
derrick fork
derrick hoist
derrick hoistderrick lamp
derrick lamp
derrick maker
derrick making
derrick mast
derrick master
derrick sheaves
derrick sill
derrick skid
derrick skip
derrick spring
derrick stacker
derrick stool
derrick stove
derrick timber
derrick tower
derrick truck
derrick wheel
desert varnish
desert weed
desert willow
desert your principles
desert-bred
desert-locked
desert-wearied
desertion of principle
desertion under fire
deserts of vast eternity
deserve punishment
design bedding
design body
design load
designate a proxy
designate an agent
desire body
desire concentration
desire for knowledge
desire for yourself
desire guidance
desires of the flesh
desiring water
desiros of
desiros to
desist from
desist quit it
desk calendar
desk clerk
desk dictionary
desk jobber
desk lamp
desk light
desk pad
desk room
desk sweater
desk telephone
desk work
desm-
desmo-
desoxy-
desoxyribonucleic acid
despair of
despaired of
desperate criminal
despite that
despoiled of
despotic monarch
despotic monarchy
dessert fork
dessert knife
dessert plate
dessert spoon
dessert wine
destiny's darling
destitute of
destitute of life
destroyer escort
destroyer leader
destroyer tender
destroyer wheel
destroying angel
destruct line
destruction of life
destructive criticism
destructive distillation
destructive interference
detach for service
detached escapement
detached retina
detached service
detail drawing
detail man
detectable odor
detective novel
detective story
detective work
detective yarn
detent escapement
detention camp
detention centre
detention home
detention hospital
determinant rank
determinate cleavage
determinate growth
determinative clause
determine once for all
determine upon
determined upon
deterrent capacity
deterrent example
detonating fuse
detonating powder
detonating tube
detonation indicator
detract attention
detract from
detritus tank
deuce game
deuce point
deuce set
deuce shot
deuce-ace
deuces wild
deus ex machina
deut-
deuter-
deuterium oxide
deutero-
deutero-malayan
deuterocanonical books
deuto-
deutsche mark
devastating attack
develop into
develop late
developed thought
developing dye
developing tank
developing-out paper
development section
development theory
developmental change
developmental psychology
deviate from
deviate from the path of virtue
deviate from the truth
deivation card
deivation factor
deivation warranty
devil bolt
devil carriage
devil chaser
devil dance
devil dancer
devil dancing
devil dog
devil dogs
devil grass
devil incarnate
devil lore
devil murder
devil of a
devil ray
devil take
devil to pay, the
devil worship
devil worshiper
devil worshiping
devil's advocate
devil's bit
devil's bones
devil's books
devil's claw
devil's coach-horse
devil's darning needle
devil's dung
devil's dust
devil's food cake
devil's grip
devil's guts
devil's ivy
devil's mark
devil's milk
devil's own luck
devil's paintbrush
devil's tattoo
devil's-bit
devil's-bones
devil's-ivy
devil's-pincushion
devil's-tongue
devil's-walking-stick
devil-born
devil-devil
devil-diver
devil-dodger
devil-fish
devil-giant
devil-god
devil-haired
devil-in-the-bush
devil-inspired
devil-like
devil-may-care
devil-may-careness
devil-porter
devil-ridden
devil-tender
deviled eggs
devils' chorus
devils-on-horseback
void of
void of truth
devolve on
devolve upon
devote the mind to
devote the thoughts to
devote to
devote yourself
devote yourself to
devoted friend
devoted friendship
devoted to
devoted to studies
devotee of Bacchus
devotion to duty
devoured by
devoured by desire
devouring element
dew bit
dew bow
dew cap
dew cell
dew grass
dew plant
dew point
dew pond
dew snail
dew worm
dew-beat
dew-beater
dew-bedabbled
dew-bediamonded
dew-bent
dew-berry
dew-bespangaled
dew-bespattered
dew-besprinkled
dew-boine
dew-bolne
dew-bright
dew-clad
dew-claw
dew-cold
dew-dabbled
dew-drenched
dew-dipped
dew-dropping
dew-drunk
dew-fall
dew-fed
dew-gemmed
dew-laden
dew-lipped
dew-lit
dew-pearled
dew-point
dew-point deficit
dew-point depression
dew-point hygrometer
dew-point spread
dew-point temperature
dew-pond
dew-ret
dew-sprent
dew-sprinkled
dew-worm
dewar flask
dewey decimal classification
dewy morn
dewy-bright
dewy-dark
dewy-eyed
dewy-feathered
dewy-feathered sleep
dewy-fresh
dewy-pinioned
dextr-
dextrinogenic enzyme
dextro camphor
dextro propoxyphene
dextro-
dextro-glucose
dextroamphetamine sulfate
dextronic acid
dh-
dhoibi itch
dhobie itch
dhobie tongs
dhu'l-hijja
dhu'l-qa'dah
di grado in grado
di majores
di minores
di-
di-adapan
di-allyl
di-decahedral
di-do decahedral
di-hexahedron
di-iodide
di-tri-
dia-
diabase-porphyrite
diabetes insipidus
diabetes mellitus
diabetes sugar
diabetes weed
diabetic diet
diabol-
diacetyl morphine
diachronic linguistics
diacritical mark
diacritical marks
diacritical sign
diadem lemur
diadem spider
diagnostic picture
diagonal bond
diagonal cloth
diagonal engine
diagonal line
diagonal matrix
diagonal-built
diagonal-cut
diagram factor
dial bird
dial enameler
dial feed
dial foot
dial gauge
dial press
dial recorder
dial telegraph
dial telephone
dial tone
dial train
dial work
dial-plate
dialect atlas
dialect dictionary
dialect geographer
dialect geography
dialectical materialism
diamond hammer
diamond hitch
diamond in the rough
diamond jubilee
diamond knot
diamond linen
diamond merchant
diamond mill
diamond mine
diamond mortar
diamond panel
diamond paste
diamond pencil
diamond photograph
diamond plant
diamond plate
diamond plow
diamond point
diamond polisher
diamond powder
diamond rattlesnake
diamond ring
diamond ring effect
diamond saw
diamond setter
diamond skin disease
diamond snake
diamond sparrow
diamond splitter
diamond stitching
diamond tool
diamond tooth
diamond trade
diamond truer
diamond twist
diamond wedding
diamond weevil
diamond wheel
diamond-back
diamond-backed
diamond-beetle
diamond-boring
diamond-bright
diamond-cut
diamond-cutter
diamond-headed
diamond-leaf laurel
diamond-matched
diamond-paned
diamond-point
diamond-point spoon
diamond-pointed
diamond-producing
diamond-shaped
diamond-skin disease
diamond-snake
diamond-tiled
diamond-tipped
diamondback moth
diamondback rattlesnake
diamondback terrapin
diamondback watersnake
diamyl sulfide
diapason diapente
diapason ditone
diapason normal
diapason normal pitch
diapason pitch
diaper pattern
diaper rash
diaper service
diaphragm current
diaphragm gauge
diaphragm motor valve
diaphragm process
diaphragm pump
diaphragm shutter
diaphragm valve
diarrhea of the mouth
diaspore clay
diastolic hypertension
diathermic treatment
diathermy machine
diatomaceous earth
diatonic interval
diatonic scale
diatonic semitone
diaz-oxide
diazo dye
diazo group
diazo process
diazo radical
diazo reaction
diazo-
diazoamino group
diazoamino radical
diazonium compound
diazonium salt
dib-hole
dibasic sodium phosphate
dibbuks dibbukim
dibutyl oxalate
dibutylamino-propanol
dicarbo-
dicarboxylic acid
dice coal
dice cup
dice roll
dice throws
dice-box
dice-top
dich-
dichloramine-t
dichlorodiethyl formal
dichlorodiethyl sulfide
dichloroethyl formal
dichloroethyl sulphide
dichlorophenoxyacetic acid
dicho-
dichro-
dichromatic vision
dichromic acid
dicing board
dick test
dickey box
dicky bow
dictate peace
dictates of Mrs
dictates of society
dictating machine
dictatorship of the proletariat
dictionary catalog
dictionary catalogue
dictionary editor
dictionary meaning
dictionary of quotations
dictionary-proof
dicty-
dicyclopentadienyl metal
did you ever
didactic poetry
diddle away
diddle-
diddle-daddle
diddle-dee
die a natural death
die a violent death
die at your post
die away
die away from the memory
die by your own hand
die cast
die caster
die casting
die chaser
die chuck
die cutter
die cutting
die down
die engraver
die fighting
die filing
die fitter
die fitting
die for your country
die forger
die forging
die game
die grinder
die hammer
die hard
die hardener
die head
die hob
die holder
die in harness
die in the Lord
die in the attempt
die in the last ditch
die in your boots
die is cast, the
die kicker
die laughing
die like a man
die miller
die mold
die off
die on the vine
die out
die planer
die plate
die polisher
die polishing
die press
die presser
die proof
die reamer
die screw plate
die set
die shaper
die sharpening
die shoe
die spotter
die spotting
die spring
die Stamper
die standing up
die steel
die stock
die stripper
die stripping
die tap
die temper
die trying
die turner
die wedge
die with delight
die with pleasure
die with your boots on
die-away
die-back
die-cast
die-casting
die-cut
die-hard
die-hardism
die-square
dielectric constant
dielectric current
dielectric displacement current
dielectric heat
dielectric heater
dielectric heating
dielectric loss
dielectric preheater
dielectric strength
dies funestis
dies iare
dies non
dies non juridicus
diesel cycle
diesel engine
diesel fuel
diesel oil
diesel propulsion
diesel-driven
diesel-electric
diesel-electric propulsion
diesel-engined
diesel-hydraulic
diesel-powered
diesel-propelled
diesinking machine
diet book
diet kitchen
dietary deficiency
dietary law
dietetetic treatment
diethene-
diethyl ether
diethyl malonate
diethyl oxide
diethyl sulfide
diethylbarbituric acid
diethylene dioxide
diff-
differ from
differ in opinion
difference chart
difference engine
difference equation
difference gauge
difference limen
difference of form
difference of opinion
difference product
difference quotient
difference ring
difference table
difference threshold
difference tone
different breed of cat
different story
different thing
differential analyzer
differential anesthetic
differential calculus
differential coefficient
dig up
dig up the past
dig you in the ribs
dig your heels in
dig your own grave
digest medium
digest of law
digested securities
digester tankage
digestive biscuit
digestive gland
digestive juice
digestive secretion
digestive secretions
digestive system
digger wasp
digging weight
digital clock
digital computer
digital data reducing system
digital differential analyzer
digital examination
digital feedback control
digital general purpose computer
digital graph plotter
digital process
digital watch
digitato-palmate
digitato-pinnate
digitai-
digito-
diglycolic acid
diglycollic acid
dihedral angle
dihydric alcohol
diisobutyl phthalate
dik-dik
dika bread
dika butter
dika nut
dike hopper
dike out
dike rock
dike up
dike-grave
dike-louper
dike-reeve
dilate on
dilate upon
dill oil
dill pickle
dill water
dilly bag
dilly-dally
dilute acid
dim eyes
dim light
dim out
dim past
dim recollection
dim view
dim-brooding
dim-browed
dim-colored
dim-discovered
dim-eyed
dim-felt
dim-gleaming
dim-gray
dim-lettered
dim-lighted
dim-lit
dim-litten
dim-out
dim-remembered
dim-seen
dim-sensed
dim-sheeted
dim-sighted
dim-sightedness
dim-visioned
dim-witted
dim-wittedness
dim-yellow
dime a dozen
dime museum
dime novel
dime store
dime-a-dozen
dime-store
dimension control
dimension lumber
dimension stone
dimethyl arsinic acid
dimethyl sulfate
dimethyl sulfoxide
diminish yourself
diminished dovetail
diminished responsibility
diminished seventh chord
diminished stile
diminishing returns
diminishing rule
diminishing stile
dimissorial letter
dimissory letter
din in the ear
dine not wisely but too well
dine out
dine with Duke Humphrey
diner-out
dinette set
dinette table
ding an sich
ding off
ding-a-ling
ding-dong
dingdong theory
dinge an sich
dinghy anchor
dingle-dangle
dining car
dining chair
dining compartment
dining hall
dining room
dining saloon
dining table
dining utensils
dinitro-
dinitrogen tetroxide
dinkel wheat
dinking die
dinkum oil
dinky-di
dinner audience
dinner bell
dinner call
dinner card
dinner chimes
dinner clothes
dinner club
dinner coat
dinner dance
dinner dress
dinner fork
dinner gong
dinner gown
dinner hour
dinner jacket
dinner knife
dinner napkin
dinner pail
dinner party
dinner plate
dinner ring
dinner room
dinner service
dinner set
dinner table
dinner wagon
dinner-dance
dinner-getting
diocesan conference
diocesan court
diophantine equation
diorite-porphyrite
dip a flag
dip circle
dip down
dip fault
dip into
dip needle
dip out
dip pipe
dip rider
dip rope
dip sector
dip shift
dip slip
dip snuff
dip switch
dip the beak
dip the colors
dip the ensign
dip the pen in gall
dip trap
dip your hands into
dip-dye
dip-grained
dip-needling
diphen-
diphenyl black
diphenyl ether
diphenyl ketone
diphenylene-methane
diphenylhydantoin sodium
diphosphoglyceric acid
diphtheria bacillus
diphtheria toxoid
diphy-
diphyo-
dipl-
diplo-
diploid number
diploma mill
diploma piece
diplomatic agent
diplomatic body
diplomatic code
diplomatic corps
diplomatic courier
diplomatic immunity
diplomatic mission
diplomatic pouch
diplomatic service
diplomatic staff
diplomatic text
dipodic rhythm
dipole aerial
dipole antenna
dipole moment
dipper clam
dipper dredge
dipper gourd
dipper interrupter
dipper-in
dipping acid
dipping basket
dipping bath
dipping battery
dipping chair
dipping compass
dipping elevator
dipping enamel
dipping frame
dipping furnace
dipping hook
dipping house
dipping ladle
direct intuition
direct labor
direct lighting
direct line
direct mail
direct method
direct nomination
direct object
direct order
direct positive
direct primary
direct product
direct proportion
direct question
direct ratio
direct relationship
direct signal
direct speech
direct sum
direct tax
direct the eyes
direct the mind upon
direct tide
direct to
direct to the attention
direct transfusion
direct variation
direct yellow
direct your attention to
direct your course
direct your course for
direct your course to
direct yourself
direct-acting
direct-acting engine
direct-acting press
direct-actionist
direct-connected
direct-coupled
direct-current
direct-current circuit
direct-current converter
direct-current servo
direct-driven
direct-examine
direct-examined
direct-examining
direct-geared
direct-grant school
direct-indirect radiator
direct-mail
direct-mail advertising
direct-mail selling
direct-reading computer
direct-reading spectrometer
direct-reading spectroscope
direct-viewing tube
direct-vision prism
direct-vision spectroscope
direct-writing company
directed verdict
directing circle
directing piece
directing plane
directing point
direction angle
direction constant
direction cosine
direction dial
direction finder
direction finding
direction indicator
direction line
direction number
direction post
direction ratio
direction switch
direction tensor
direction test
direction theodolite
direction transmission
direction-finder station
directional antenna
directional derivative
directional gyro
directional signal
directional stability
directive therapy
director circle
director curve
director general
director plane
director regulus
director sphere
director's chair
director-general
directors general
directory arrangement
directory canvasser
dirigible balloon
dirigible torpedo
dirigo-motor
diriment impediment
dirk knife
dirt band
dirt bed
dirt cheap
dirt dauber
dirt eating
dirt farm
dirt farmer
dirt farming
dirt groove
dirt poor
dirt road
dirt wagon
dirt-besmeared
dirt-born
dirt-cheap
dirt-fast
dirt-flinging
dirt-free
dirt-grimed
dirt-incrusted
dirt-line
dirt-rotten
dirt-smirched
dirt-soaked
dirty allan
dirty bomb
dirty crack
dirty deal
dirty dig
dirty hands
dirty joke
dirty language
dirty liar
dirty lie
dirty look
dirty movie
dirty name
dirty old man
dirty politician
dirty politics
dirty pool
dirty sea
dirty shame
dirty sky
dirty story
dirty talk
dirty trick
dirty up
dirty water
dirty weather
dirty wind
dirty word
dirty work
dirty-colored
dirty-faced
dirty-handed
dirty-minded
dirty-shirted
dirty-souled
dis aliter visum
dis-
dis-byronize
dis-element
dis-turk
disability clause
disability insurance
disablement benefit
disaccord with
disaccustom yourself
disadvantaged, the
disagree with
disappearing act
disappoint your expectations
disapprove of
disapproved place
disaster area
disastrous defeat
disazo dye
disburden you of
disburden your conscience
disburden your heart
disburden your mind
disc brake
disc flower
disc harrow
disc jockey
disc wheel
disc-
discretionary income
discriminant function
discriminate against
discriminating relay
discriminating taste
discrimination learning
discrimination time
discursive reason
discursive reasoning
discus thrower
discuss with
discussion group
disdain grammar
disease germ
disease symptom
disease-causing
disease-causing agent
disease-producing
disease-producing microorganism
disease-resisting
disease-spreading
diseased mind
diseases of
disembodied spirit
disen-
disengagement governor
disgrace yourself
disguise yourself
disguised as a virtue
disgustingly rich
dish bearer
dish cleaner
dish cover
dish designer
dish drainer
dish feed
dish fit for a king
dish gravy
dish it out
dish maker
dish mop
dish mustard
dish night
dish out
dish plate
dish rack
dish reflector
dish the dirt
dish top
dish towel
dish truck
dish up
dish wagon
dish warmer
dish-crowned
dish-faced
dish-headed
dish-shaped
dishcloth gourd
dished keel
dishonest person
dishonorable discharge
dishonored bill
dishpan hands
disinclination to believe
disinclination to communicate
disincline from
disinclined to believe
disinclined to communicate
disinfecting candle
disintegration series
disjecta membra
disjoin yourself
disjunctive conjunction
disk armature
disk barrow
disk bit
disk brake
disk brakes
disk clutch
disk crank
disk cultivator
disk drill
disk dynamo
disk engine
disk floret
disk flower
disk furrower
disk go-devil
disk harrow
disk hiller
disk jockey
disk memory
disk meter
disk pack
disk photometer
disk pile
disk plow
disk ridge buster
disk sander
disk signal
disk stove
disk system
disk telegraph
disk valve
disk weeder
disk wheel
disk winding
disk-bearing
disk-seal tube
disk-shaped
dismiss all doubt
dismiss from the mind
dismiss from the thoughts
dismiss from your thoughts
dismiss with a laugh
dismissal wage
dismissed out of hand
disobey the law
disodium phosphate
disordered mind
disordered personality
disordered reason
disorderly conduct
disorderly house
disorderly person
disparaging remark
dispatch boat
dispatch box
dispatch case
dispatch money
dispatch note
dispatch rider
dispatch tube
dispatch writer
dispatch writing
dispatch-bearer
dispatch-bearing
dispatch-rider
dispel your illusions
dispensations of providence
dispense from
dispense with
dispensed with
dispersal prison
disperse system
dispersion hardening
dispersion medium
dispersive power
displaced person
displaced population
displacement activity
displacement current
displacement hull
displacement pump
displacement ton
displacement tonnage
display ad
display advertising
display art
display bracket
display card
display case
display cover
display figure
display form
display pipe
display room
display sign
display station
display type
display window
display work
disposable income
disposable resources
disposal of the dead
dispose of
disposed of
disposed to
disposed to doubt
disposition to believe
dispossessed of
disputed election
disregard the law
disreputable person
disruptive discharge
dissecting microscope
dissecting table
dissector tube
dissel-boom
disseminated sclerosis
disseminated tuberculosis
dissent from
dissenting opinion
dissipate your illusions
dissipation trail
dissociate yourself from
dissociation coefficient
dissociation constant
dissociation of personality
dissociation reaction
dissolution of marriage
dissolve in tears
dissolve into chaos
dissolve marriage
dissolve out
dissolved in tears
dissolving agent
dissolving view
disonant chord
disonant sounds
distaff kin
distaff side
distaff thistle
distal convoluted tubule
distance across
distance between
distance circle
distance crossways
distance crosswise
distance flag
distance language
distance made good
distance medley
distance of time
distance post
distance receptor
distance ring
distance scale
distance through
distant early warning
distant early warning line
distant future
distant past
distant perspective
distant prospect
distant relation
distantly and broadly
distantly related
distended belly
dita bark
ditat Deus
ditch crowfoot
ditch fern
ditch grass
ditch hand
ditch machine
ditch millet
ditch moss
ditch reed
ditch rider
ditch spade
ditch stonecrop
ditch sunflower
ditch-delivered
ditch-drawn
ditch-moss
ditching car
ditching machine
ditching scoop
dithering grass
dithionic acid
dithionous acid
ditto machine
ditto mark
ditto marks
ditty bag
ditty box
ditty-bag
diurnal arc
diurnal circle
diurnal epilepsy
diurnal parallax
diva blue
divaricate from
dive bomber
dive bombing
dive brake
dive in
dive into
dive-bomb
dive-bombing
dive-dap
dive-dapper
diver's palsy
diverge from
divergence theorem
divergent squint
divergent strabismus
divergent thinking
diverging lens
divers-colored
diverse control
diverse-colored
diverse-natured
diverse-shaped
divers-
diversified corporation
diversified economy
diversion chamber
diversion cut
diversionary attack
diversionary movement
diversity factor
diversity of colors
divert attention
divert the mind
divert the thoughts
divest of freedom
divest of office
divi-divi
divide by four
divide et impera
divide in thirds
divide in three
divide into four
divide into shares
divide on
divide up
divide with
divided attention
divided highway
divided spectacles
dividend off
dividendDate
dividend warrant
dividend warrant
dividing engine
dividing head
dividing line
dividing plate
dividing ridge
dividing sinker
dividing wall
divine afflatus
divine attribute
divine breath
divine discontent
divine function
divine healer
divine healing
divine inspiration
divine liturgy
divine office
divine revelation
divine right
divine right of kings
divine service
divine spark
divine tobacco
divine-human
diving beetle
diving bell
diving bird
diving bladder
diving board
diving boat
diving chamber
diving dress
diving duck
diving engine
diving equipment
diving float
diving goggles
diving helmet
diving hood
diving machine
diving mask
diving platform
diving raft
diving rudder
diving suit
diving togs
divinging rod
divinging stick
divinity calf
divinity circuit
divinity circuit binding
divinity fudge
divinity school
divinity student
divinyl ether
division algebra
division algorithm
division center
division engineer
division in the camp
division line
division lobby
division mark
division of labor
division ring
division sign
division superintendent
divorce court
divorce mill
divorced man
divorced person
divorced woman
divvy up
divvy up with
divvying up
dixieland band
dizzy heights
dizzy round
dj-
djati tree
do a bit
do a bunk
do a comparative study
do a deal
do a disservice
do a fade-out
do a favor
do a flip-flop
do a good deed
do a good turn
do a grave injustice
do a great wrong
do a gross injustice
do a hand's turn
do a hitch
do a kind deed
do a kindness
do a land-office business
do a lick of work
do a mischief
do a number on
do a repeat
do a right-about-face
do a service
do a slow burn
do a stint
do a strip-tease
do a tour
do a tour of duty
do a turn to the right-about
do a vanishing act
do a world of good
do active duty
do again
do all in your power
do all right by yourself
do all the talking
do all you can
do amiss
do an about-face
do an about-turn
do an ill office to
do an impression of
do anyhow
do as much as in one lies
do as others do
do as well as you can
do as you please
do as you say
do as you would be done by
do at the bidding of
do at your convenience
do at your leisure
do at your own peril
do at your own risk
do at your pleasure
do away with
do away with yourself
do battle
do business
do business with
do by
do by halves
do carelessly
do chars
do credit to
do credit to someone
do double duty
do down
do down to the ground
do duty
do easily
do everything you can
do evil
do for
do for yourself
do good
do harm
do homage
do homage to
do honor
do honor to
do ill
do in
do in a pinch
do in a slipshod fashion
do in any old way
do in your own sweet way
do independently
do it
do it according to Hoyle
do it by the book
do it or break a leg
do it or bust a gut
do it up brown
do justice
do justice to
do like
do no evil
do no harm
do not give it a second thought
do not give it another thought
do nothing
do nothing in excess
do obeisance
do of your own accord
do of your own free choice
do of your own free will
do of your own volition
do offhand
do on an average
do on your own
do on your own hook
do on your own initiative
do on your own say-so
do or die
do out
do out of
do over
do over again
do penance
do proud
do right
do right by
do service
do service for
do service to
do some heavy thinking
do someone credit
do someone dirt
do something
do something about
do suit and service
do superfluously
do svidanye
do tell
do the best you can
do the best you know how
do the chores
do the crazy act
do the crazy bit
do the crazy shtick
do the deadman's float
do the dirty work of
do the disappearing act
do the fair thing
do the goose step
do the handsome thing
do the heart good
do the honors
do the job
do the lock step
do the needful
do the proper thing
do the right thing
do the right thing by
do the spadework
do the trick
do the unexpected
do the will of
do time
do to
do to a T
do to a fazzle
do to a turn
do to death
do to perfection
do too many things at once
do up
do up brown
do violence to
do voluntarily
do well
do what is expected
do what is right
do what lies in your power
do what you are told
do what you can
do what you choose
do what you have to do
do what you like
do what you set out to do
do what you wish
do with
do with both eyes shut
do without
do wonders
do wrong
do wrong by
do wrong to
do you a wrong
do you an injustice
do you proud
do your best
do your bidding
do your bit
do your damndest
do your darndest
do your duty
do your heart good
do your level best
do your number
do your office
do your part
do your share
do your stuff
do your thing
do your utmost
do your worst to
do yourself proud
do-all
do-dad
do-funny
do-good
do-gooder
do-goodism
do-it-yourself
do-it-yourselfer
do-little
do-naught
do-nothing
do-nothing adj
do-nothing policy
do-nothingism
do-nothingness
do-nought
do-or-die
do-over
do-re-mi
do-si-do
do-up
dob in
dobber-in
dobbin cart
dobby loom
dobby weave
dobell's solution
doberman pinscher
dobson fly
do-ch-an-dorrach
do-ch-an-dorris
do-ch-an-dorroch
dock boss
dock bur
dock charge
dock cooper
dock crane
dock cress
dock crew
dock derrick
dock dues
dock foreman
dock gate
dock hand
dock hoist
dock inspector
dock laborer
dock light
dock nettle
dock port
dock porter
dock receipt
dock rent
dock screw
dock shunter
dock sill
dock sorrel
dock space
dock spike
dock superintendent
dock trade
dock warehouse
dock warrant
dock-leaved
dock-tailed
dock-wallop
dock-walloping
docking bridge
docking cradle
docking keel
docking maneuver
docking pilot
docking plan
docking telegraph
doctor accounts
doctor blade
doctor file
doctor fish
doctor up
doctor's degree
doctor's gown
doctor's oral
doctoral candidate
doctrinal statement
doctrinal theology
dogctrine of descent
dogctrine of inference
dogctrine of terms
dogctrine of the judgment
document bill
documentary drama
documentary evidence
documentary film
dodder family
dodder grass
doddy mitten
dodeca-
dodecanoic acid
dodecuple scale
dodecyl aldehyde
dodge ball
dodge chain
dodging tool
dodo split
doegling oil
doeskin brown
doff your cap to
doffing comb
doffing cylinder
doffing knife
dog Latin
dog ape
dog bee
dog belt
dog bent
dog biscuit
dog blanket
dog box
dog bramble
dog breeder
dog bur
dog button
dog cabbage
dog cake
dog camomile
dog carrier
dog chain
dog chart
dog cherry
dog clipper
dog clutch
dog collar
dog cracker
dog crate
dog curtain
dog daisy
dog dandelion
dog days
dog disease
dog dollar
dog elder
dog family
dog fancier
dog fennel
dog flea
dog flesh
dog flower
dog food
dog fox
dog grass
dog grate
dog harness
dog hip
dog hobble
dog hood
dog hook
dog hospital
dog hysteria
dog in the manger
dog iron
dog it
dog kennel
dog laurel
dog leech
dog letter
dog license
dog lichen
dog life
dog lily
dog louse
dog lover
dog meat
dog mercury
dog mint
dog muzzle
dog nail
dog nap
dog nettle
dog owl
dog owner
dog paddle
dog parsley
dog plum
dog poison
dog pound
dog race
dog racing
dog reed
dog robber
dog robbing
dog rose
dog rowan tree
dog salmon
dog screw
dog seal
dog shark
dog show
dog sled
dog sledge
dog sleigh
dog snapper
dog soap
dog spike
dog standard
dog star
dog stealing
dog stinkhorn
dog tag
dog tansy
dog tapeworm
dog tax
dog tent
dog the footsteps of
dog thistle
dog thorn
dog tick
dog tongue
dog town
dog track
dog train
dog trainer
dog training
dog tree
dog tune
dog violet
dog wagon
dog warden
dog warp
dog watch
dog wheat
dog wheel
dog whelk
dog whip
dog whistle
dog winkle
dog wrench
dog's age
dog's chance
dog's letter
dog's life, a
dog's-bane
dog's-ear
dog's-eared
dog's-meat
dog's-tail
dog's-tail grass
dog's-tongue
dog's-tooth
dog's-tooth check
dog's-tooth violet
dog-banner
dog-bitten
dog-bramble
dog-brier
dog-cart
dog-catcher
dog-cheap
dog-day cicada
dog-days
dog-draw
dog-drawn
dog-driven
dog-ear
dog-eared
dog-eat-dog
dog-end
dog-eyed
dog-faced
dog-fennel
dog-fish
dog-fisher
dog-fly
dog-footed
dog-fox
dog-gnawn
dog-gone
dog-grass
dog-head
dog-head hammer
dog-head spike
dog-headed
dog-hole
dog-hook
dog-hungry
dog-hutch
dog-in-the-manger
dog-keeping
dog-lame
dog-latin
dog-lean
dog-leaved
dog-leech
dog-leg
dog-leg fence
dog-leg hole
dog-leg stair
dog-legged
dog-legged stair
dog-mad
dog-nail
dog-owning
dog-paddle
dog-paddled
dog-paddling
dog-plum
dog-poor
dog-rose
dog-shore
dog-sick
dog-skin
dog-sleep
dog-star
dog-stone
dog-stopper
dog-tired
dog-toes
dog-tongue wampee
dog-tooth
dog-toothed
dog-tree
dog-trick
dog-trot
dog-vane
dog-violet
dog-watch
dog-weary
dog-whelk
dogbane family
dogberry tree
dogged perseverance
dogleg fence
dogmatic theology
dogtooth check
dogtooth spar
dogtooth star grass
dogtooth violet
dogtown grass
dogwood family
dogwood poisonbush
doing business
doing nicely
dolce far niente
dolce vita
dole cupboard
dole meadow
dole out
dolich-
doling out
doll baby
doll carriage
doll hospital
doll maker
doll out
doll up
doll's house
doll-faced
doll-like
dollar acceptance
dollar averaging
dollar bill
dollar bond
dollar chaser
dollar cost averaging
dollar crisis
dollar debenture
dollar deficit
dollar diplomacy
dollar exchange
dollar gap
dollar imperialism
dollar loan
dollar mark
dollar shortage
dollar-a-year man
dollars to doughnuts
dolled up
dolly bar
dolly bird
dolly drop
dolly mixture
dolly shop
dolly shot
dolly varden
dolly-head
dolly-mop
dolman jacket
dolman sleeve
dolomite marble
dolorous tirade
dolphin fly
dolphin oil
dolphin striker
dolphin-flower
dolphin-striker boom
dom pedro
domain of integrity
dome car
dome tomb
dome top
don whistle
dome-shaped
domes-booke
domesday book
domestic animal
domestic animals
domestic cat
domestic cattle
domestic comedy
domestic drudge
domestic economy
domestic fowl
domestic management
domestic prelate
domestic relations law
domestic science
domestic servant
domestic shorthair cat
domestic tragedy
domestic wine
domestic-relations court
domiciliary visit
dominant character
dominant chord
dominant estate
dominant note
dominant seventh chord
dominant tenement
dominant wavelength
dominate the field
domine dirige nos
domineer over
dominical altar
dominical letter
domination day
domination rule
domino effect
domino mask
domino paper
domino theory
domino whist
domitae naturae
don juan
don quixote
don't I know it
don't hold your breath
don't kid yourself
don't know
don't lose any sleep over it
don't make waves
don't rock the boat
don't spare the horses
donate to
donation land
donation party
done for
done in
done to a turn
done to perfection
done up
done with
donjon keep
donkey boiler
donkey boy
donkey crosshead
donkey derby
donkey doctor
donkey ears
donkey engine
donkey hoist
donkey jacket
donkey pump
donkey puncher
donkey sled
donkey tender
donkey topsail
donkey vote
donkey's ears
donkey's years
donkey's years ago
donkey-drawn
donkey-eared
donkey-work
donnybrook fair
doob grass
doof palm
doof ring
doof to
doof to perdition
doom tree
doomed hope
doomed hopes
doon-head-clock
door bed
door chain
door check
door closer
door fastener
door finisher
door fitter
door furniture
door grass
door handle
door hanger
door hasp
door hinge
door jack
door key
door knocker
door latch
door lock
door maker
door mat
door matting
door money
door opener
door prize
door scraper
door spring
door stile
door strap
door switch
door to door
door track
door trap
door trapper
door-roller
door-shaped
door-to-door
door-to-door salesman
dooryard grass
dooryard plantain
dop doctor
dopa reaction
dope fiend
dope off
dope out
dope pusher
dope sheet
dope smuggling
dope story
dope up
dope, the
doppler effect
dor bee
dor bug
dor fly
dor-fly
dorcas gazelle
dore bullion
dore furnace
dormant partner
dormer beam
dormer window
dormer-windowed
dormitory suburb
dormouse phalanger
dorothy perkins
dors-
dors-umbonal
dorsal airdome
dorsal blister
dorsal fin
dorsal lip
dorsal region
dorsal root
dorsal-root ganglion
dorset horn
dorsi-
dorsi-ventral
dorso-
dorso-occipital
dorso-ulnar
dorsum ephippii
dory skiff
dos and don'ts
dos gris
dos nominata
dos rationabilis
dos-
dos-a-dos
dosage compensation
dosage meter
dose of clap
dose of claps
dose of strap oil
dose with
dosimetric medicine
dosing apparatus
dosing siphon
dosing tank
doss down
doss house
dot down
dot figure
dot map
dot product
dot the i's and cross the t's
dot your i's and cross your t's
dot-dash line
dot-sequential
dot-sequential color television
dote on
dote upon
dotted line
dotted swiss
dotterel dun
dottle pin
douay version
double Blackwall hitch
double Dutch
double Gloucester
double Spanish burton
double a point
double achievement
double acrostic
double action engine
double agent
double algebra
double altar
double back
double bar
double bass
double bassoon
double batten
double bed
double bill
double bind
double block
double blossom
double boiler
double bond
double bridle
double bunk
double centering
double check
double chin
double cloth
double coconut
double concerto
double contingency
double contraoctave
double corpo[s]ant
double counterpoint
double cream
double crochet
double cross
double crown
double cup
double dagger
double dare
double date
double decomposition
double demy
double diode
double dome
double dot
double double cap
double dresser
double drift
double dummy
double eagle
double elephant
double end
double ender
double entendre
double entendres
double entente
double entry
double exposure
double fault
double feature
double first
double flat
double flower
double foolscap
double for
double fueler
double fugue
double genitive
double glazing
double half-round file
double harness
double helix
double hitch
double hyphen
double image
double in brass
double indemnity
double integral
double jeopardy
double jump
double luff tackle
double magnum
double march
double meaning
double monastery
double mordent
double negative
double obelisk
double or mutual change
double or nothing
double or quits
double orange daisy
double over
double paddle
double pair royal
double pedal point
double personality
double piece
double play
double pneumonia
double possessive
double post
double precision
double predestination
double prime
double print
double purchase
double quatrefoil
double quotes
double reed
double reference
double refraction
double rhyme
double royal
double salt
double sap
double saucepan
double sawbuck
double scull
double sculls
double sharp
double shuffle
double sideband
double sight
double solitaire
double space
double spinnaker
double spread
double sprit
double standard
double star
double steal
double stem
double stitch
double stop
double summer time
double tackle
double take
double talk
double tape
double ten
double tide
double time
double triode
double truck
double up
double vision
double whip
double whole note
double wicket
double wing
double wingback formation
double your fist at
double-O
double-Os
double-acting
double-acting engine
double-action
double-action harrow
double-armed
double-armed bolt
double-aspect theory
double-bank
double-banked
double-banker
double-barred
double-barrel
double-barreled
double-barrelled
double-bass
double-battalioned
double-beat valve
double-bedded
double-bell euphonium
double-benced
double-bitting
double-bitt
double-bitted
double-bladed
double-blind
double-blossomed
double-bodied
double-bond isomerism
double-bottom
double-bottomed
double-branch
double-branched
double-break switch
double-breasted
double-breasted jacket
double-breasted suit
double-brooded
double-bubble
double-button carbon microphone
double-buttoned
double-chain sling
double-charge
double-check
double-chinned
double-clasping
double-claw
double-clutch
double-coated film
double-concave
double-convex
double-creme
double-crested
double-crested cormorant
double-crop
double-cropped
double-cropping
double-cross
double-crosser
double-crossing
double-cup insulator
double-cupped
double-current generator
double-current signaling
double-cut
double-cut file
double-cut saw
double-cylinder planer
double-dare
double-date
double-dated
double-dating
double-dealer
double-dealing
double-deck
double-decked
double-decker
double-decker sandwich
double-declutch
double-disk
double-disk harrow
double-distilled
double-ditched
double-dodge
double-dog dare
double-dome
double-dooded
double-dot display
double-dotted
double-duty
double-dye
double-dyed
double-edged
double-end saw file
double-ended
double-ended bolt
double-ender
double-ender file
double-engined
double-entry accounting
double-entry bookkeeping
double-entry system
double-entry table
double-eyed
double-face
double-faced
double-facedly
double-facedness
double-fault
double-feature
double-flowered
double-flowering
double-fold
double-footed
double-framed
double-fronted
double-ganger
double-gilt
double-handed
double-harness
double-hatched
double-head
double-headed
double-header
double-hearted
double-helical
double-helical gear
double-horned
double-hung
double-image micrometer
double-image prism
double-image telescope
double-ironed
double-jointed
double-keeled
double-knit
double-language theory
double-ledged
double-liability stock
double-line
double-lived
double-livedness
double-loaded
double-loathed
double-lock
double-lunged
double-magnum
double-manned
double-measure door
double-milled
double-minded
double-mindedly
double-mindedness
double-mouthed
double-name paper
double-natured
double-opposed
double-or-nothing
double-page spread
double-park
double-parted and pretty
double-pedal
double-piled
double-pipe condenser
double-pointed
double-pole switch
double-pored
double-ported
double-printing
double-prop
double-queue
double-quick
double-quick time
double-quirked
double-reed
double-reed family
double-reed instrument
double-reef
double-reefed
double-refined
double-refracting
double-ripper
double-rivet
double-riveted
double-roller escapement
double-rooted
double-row radial engine
double-runner
double-scull
double-seated valve
double-seater
double-seeing
double-sensed
double-shear steel
double-shed insulator
double-shot
double-sided
double-sidedness
double-sighted
double-slide
double-soled
double-space
double-spaced
double-spacing
deouble-spun
deouble-starred
deouble-stemmed
deouble-stitch
deouble-stitched
deouble-stop
deouble-stopped
deouble-stopping
deouble-strength
deouble-struck
deouble-sunk
deouble-sunk dial
deouble-surfaced
deouble-swing door
deouble-swing joint
deouble-sworded
deouble-system sound recording
deouble-tailed
deouble-talk
deouble-team
deouble-think
deouble-thong
deouble-thread
deouble-threaded
deouble-throw switch
deouble-time
deouble-timed
deouble-timing
deouble-tongue
deouble-tongued
deouple-tonguing
deouple-tooth
deouple-track
deouple-trenched
deouple-trouble
deouple-truck heading
deouple-twisted
deouple-u
deouple-visaged
deouple-voiced
deouple-windowed
deouple-winged
deouple-work
deouple-worked
doubleness of heart
doubles ententes
doubleness of heart
doublet pattern
doubt not
doubt the truth of
doubt your word
doubt yourself
doubt-beset
doubt-cherishing
doubt-dispelling
doubt-excluding
doubt-harboring
doubt-ridden
doubt-sprung
doubt-troubled
doubting Thomas
doubting mania
doubting thomas
douceur de vivre
douche bag
dough bird
dough brake
dough kneader
dough mixer
dough stage
dough-baked
dough-bird
dough-boy
dough-colored
dough-dividing
dough-face
dough-faced
dough-kneading
dough-mixing
dough-trough
doughnut tire
douglas fir
doum palm
dousing chock
dousing-chock
dove blue
dove color
dove dock
dove gray
dove hawk
dove of peace
dove plant
dove pox
dove tick
dove-colored
dove-eyed
dove-gray
dove-shaped
dover grass
dover's powder
dovetail cramp
dovetail halving
dovetail hinge
dovetail joint
dovetail molding
dovetail plane
dovetail saw
dovetail slide
dovetail-shaped
dowdy frumpish
dowel bit
dowel jig
dowel maker
dowel pin
dowel plate
dowel pointer
dowel rod
dowel screw
dowel sharpener
dowel spoke
dowel stick
dower chest
dower house
down East
down along
down and out
down at heel
down at heels
down at the heel
down at the heels
down bed
down below
down by the head
down card
down cushion
down feather
down grade
down helm
down home
down in the mouth
down in the world
down left
down on
down on your luck
down on your uppers
down pat
down payment
down picker
down pillow
down pipe
down plucker
down plumage
down right
down runner
down south
down the alley
down the drain
down the hatch
down the pipe
down the rathole
down the spout
down the wind
down thistle
down time
down to bedrock
down to the ground
down to your last cent
down to your last penny
down tree
down trip
down under
down weight
down wool
down your arms
down-and-out
down-and-outer
down-at-heel
down-at-heels
down-at-the-heel
down-at-the-heels
down-beater
down-bow
down-charge
down-coast
down-covered
down-crier
down-curving
down-drag
down-draught
down-easter
down-gyved
down-hip
down-house
down-in-the-mouth
down-lead
down-lying
down-market
down-payment
down-reaching
down-river
down-soft
down-talk
down-the-line
down-to-date
down-to-earth
down-to-earthness
down-trending
down-valley
down-wash
downat-the-heel
downdraft kiln
downfeed system
downing of arms
downside-up
downward mobility
downward motion
downward trend
downwash angle
downwind leg
downy mildew
downy oat grass
downy sleep
downy woodpecker
downy-cheeked
downy-clad
downy-feathered
downy-fruit ed
downy-winged
dowse for water
dowse sail
dowsing chock
dowsing rod
doze off
drap
drab-breeched
drab-coated
drab-colored
drab-tinted
drabble in the mud
dracaena palm
draco lizard
draconic month
draft act
draft allowance
draft animal
draft beer
draft board
draft box
draft call
draft chair
draft dodger
draft engine
draft evener
draft gauge
draft gear
draft horse
draft lottery
draft mark
draft mill
draft net
draft off
draft pin
draft rein
draft rod
draft scale
draft tube
draft-exempt
drafted man
drafting board
drafting paper
drafting room
drafting yard
drag a lengthening chain
drag along
drag anchor
drag at your chariot wheel
drag axis
drag before the public
drag boat
drag box
drag bucket
drag bunt
drag cart
drag chain
drag classifier
drag component
drag conveyer
drag crank
drag direction
drag down
drag fold
drag force
drag from
drag harrow
drag hook
drag horse
drag hunt
drag in
drag in by the heels
drag in the mud
drag into
drag into court
drag into the limelight
drag iron
drag its slow length along
drag link
drag mill
drag on
drag out
drag out of
drag over the coals
drag parachute
drag race
drag racer
drag racing
drag rake
drag ratio
drag sail
drag scraper
drag seine
drag sheet
drag spring
drag step
drag strip
drag strut
drag through the mud
drag tooth
drag twist
drag up
drag washer
drag wire
drag your feet
drag-chain
drag-down
drag-hook
drag-out
drag-staff
drag-stone mill
dragged into
dragged out
dragged-out
dragger-down
dragger-out
dragger-up
dragging beam
dragging down
dragging of the feet
dragging pace
dragging piece
dragging-out
draggle-haired
draggle-tail
draggle-tailed
dragline crane
dragline dredge
dragline excavator
dragnet clause
dragon arum
dragon balloon
dragon beam
dragon claw
dragon fish
dragon gum
dragon lizard
dragon piece
dragon plant
dragon tie
dragon tree
dragon turnip
dragon with
don's blood
don's head
don's tail
don's-tongue
don-eyes
don-faced
don-fly
don-mouthed
don-ridden
don-root
don-tree
don-winged
dragoon bird
drain arm
drained of color
draining board
draining tile
drake fly
drake foot
drake green
dram apothecaries'
dram avoirdupois
dram filler
dram glass
drama critic
drama league
drama production
drama-writing
dramatic art
dramatic form
dramatic irony
dramatic lyric
dramatic monologue
dramatic overture
dramatic play
dramatic poetry
dramatic series
dramatic soprano
dramatic stroke
dramatic structure
dramatico-musical
dramatis personae
drap d'or
drap-de-berry
drape yourself
drapers teasel
draught off
draught-bridge
dravidian languages
draw a bead on
draw a blank
draw a comparison
draw a conclusion
draw a deep breath
draw a gun on
draw a long breath
draw a parallel
draw a picture
draw a straight furrow
draw ahead
draw an inference
draw and quarter
draw aside
draw away
draw back
draw blank
draw boundaries
draw breath
draw chain
draw cock
draw curtain
draw distinctions
draw dock
draw down
draw first blood
draw forth
draw from
draw game
draw gear
draw hole
draw in
draw in your claws
draw in your horns
draw into
draw it fine
draw lots
draw man
draw near
draw nigh
draw off
draw off the attention
draw on
draw on futurity
draw on the future
draw out
draw over
draw pin
draw play
draw poker
draw press
draw profit
draw rein
draw runner
draw shot
draw slate
draw slip
draw step
draw straws
draw string
draw tab
draw table
draw taper
draw taut
draw tears
draw the attention
draw the breath of life
draw the color line
draw the curtain on
draw the curtains
draw the fangs
draw the fangs of
draw the line
draw the line at
draw the longbow
draw the purse strings
draw the sword against
draw the teeth
draw the teeth of
draw the veil
draw to a close
draw to a head
draw to a peak
draw together
draw top
draw towards
draw up
draw up a plan
draw up a will
draw wages
draw yourself up
draw-
draw-arch
draw-bar
draw-boy
draw-bridge
draw-cut
draw-file
draw-glove
draw-knife
draw-latch
draw-loom
draw-net
draw-out table
draw-plate
draw-sheet
draw-top table
draw-water
draw-well
drawback collet
drawback lock
drawbar horsepower
drawbar load
drawbar pull
drawcut shaper
drawer dovetail
drawer pull
drawer-down
drawer-in
drawer-off
drawer-out
drawer-up
drawing account
drawing awl
drawing bench
drawing block
drawing board
drawing book
drawing card
drawing chalk
drawing chisel
drawing compasses
drawing crayon
drawing desk
drawing die
drawing forth
drawing frame
drawing glove
drawing in
drawing ink
drawing instrument
drawing knife
drawing lots
drawing machine
drawing office
drawing out
drawing paper
drawing pen
drawing pencil
drawing pin
drawing pliers
drawing power
drawing press
drawing punch
drawing room
drawing rooms
drawing shave
drawing slate
drawing string
drawing table
drawing thread
drawing too thin
drawing-in
drawing-knife
drawing-master
drawing-out
drawing-room
drawing-room car
drawing-roomy
drawings-in
drawn butter
drawn butter sauce
drawn out
drawn to
drawn work
drawn-out
drawn-thread work
drawn-work
dray horse
dread rattling thunder
dread-bolted
dread-bolted thunder
dream allegory
dream analysis
dream book
dream dance
dream girl
dream life
dream light
dream name
dream of
dream of other things
dream on
dream state
dream stuff
dream symbolism
dream time
dream up
dream vision
dream wish
dream work
dream world
dream-blinded
dream-born
dream-built
dream-created
dream-footed
dlream-found
dream-haunted
dream-haunting
dream-hole
dream-perturbed
dream-stricken
dreamer of dreams
dreamless sleep
dreamlike thinking
dreamy abstraction
dreamy-eyed
dreamy-minded
dreamy-souled
dreamy-voiced
drear-nighted
drear-white
dreary-eyed
dreary-looking
dreary-minded
dreary-souled
dredge belt
dredge boat
dredge box
dredge bucket
dredge can
dredge chain
dredge gear
dredge hoist
dredge hopperman
dredge hull
dredge ladder
dredge malt
dredge net
dredge out
dredge pipe
dredge pontoon
dredge pump
dredge rope

dredge up

dredger bucket

dredging box

dredging bucket

dredging machine

dree-draw

dregs of society
drenched with sweat
drenching rain
dress blues
dress cap
dress circle
dress coat
dress designer
dress down
dress face
dress form
dress goods
dress in
dress out
dress parade
dress rehearsal
dress sheers
dress shield
dress ship
dress shirt
dress shop
dress suit
dress the hair
dress the house
dress the wounds
dress tie
dress to kill
dress uniform
dress up
dress whites
dress-coated
dress-maker
dress-making
dress-up
dressed fit to kill
dressed to advantage
dressed to kill
dressed to the nines
dressed to the teeth
dressed up
dresser cutter
dresser set
dresser spindle
dresser spooler
dresser top
dresser trunk
dressing case
dressing down
dressing forceps
dressing glass
dressing gown
dressing jacket
dressing room
dressing sack
dressing ship
dressing station
dressing table
dressing-board
dressing-case
dressing-down
dressmaker's model
dribble away
driblet cone
drights and drabs
dried beef
dried milk
dried up
dried-fruit beetle
dried-up
drier-down
drift along
drift anchor
drift angle
drift avalanche
drift away
drift boat
drift bottle
drift copper
drift fisher
drift ice
drift indicator
drift keel
drift lead
drift map
drift meter
drift mine
drift mining
drift net
drift netter
drift off course
drift plug
drift sail
drift sight
drift slide
drift transistor
drift tube
drift wire
drift with the current
drift-ice
drift-netter
drift-wood
driggle-draggle
drill attachment
drill barrel
drill barrow
drill bit
drill block
drill book
drill bow
drill bushing
drill cartridge
drill case
drill changer
drill chuck
drill clamp
drill cleaner
drill cloth
drill collar
drill collet
drill corps
drill cutter
drill cylinder
drill day
drill drift
drill driver
drill engine
drill extension
drill extractor
drill feeder
drill file
drill fluter
drill gauge
drill grinder
drill ground
drill hall
drill hardener
drill harrow
drill holder
drill hole
drill instructor
drill jar
drill jig
drill lubricato
drill maker
drill making
drill mounting
drill pin
drill pipe
drill plow
drill point
drill pointer
drill press
drill rack
drill ratchet
drill regulation
drill rest
drill room
drill sergeant
drill shank
drill sharpener
drill ship
drill sleeve
drill socket
drill speeder
drill spring
drill stand
drill steel
drill straightener
drill team
drill tester
drill tower
drill track
drill twister
drill worker
drill yard
drill-like
drilling bit
drilling fluid
drilling hammer
drilling jig
drilling journal
drilling machine
drilling mud
drilling stem
drilling track
drink a stirrup cup
drink a toast to
drink bottoms-up
drink deep
drink hard
drink in
drink in with rapt attention
drink like a fish
drink mixer
drink money
drink off
drink offering
drink seriously
drink the health of
drink to
drink up
drink-hael
drink-hail
drinker moth
drinking age
drinking bout
drinking cup
drinking fountain
drinking glass
drinking horn
drinking house
drinking mug
drinking place
drinking saloon
drinking song
drinking straw
drinking time
drinking trough
drinking vessel
drinking vessels
drinking water
drinking-up time
drip band
drip board
drip box
drip cap
drip cock
drip coffee
drip coffee maker
drip cup
drip grind
drip groove
drip joint
drip loop
drip molding
drip oil
drip pan
drip pipe
drip pocket
drip primrose
drip sheet
drip tank
drip tip
drip transfusion
drip tray
drip treatment
drip trough
drip valve
drip-dried
drip-drip
drip-drop
drip-dry
drip-drying
drip-ground
dripping pan
dripping point
dripping wet
drive a bargain
drive a hard bargain
drive a roaring trade
drive ahead
drive an entering wedge
drive animals
drive at
drive away
drive back
drive crazy
drive dull care away
drive fit
drive from your thoughts
drive home to
drive in
drive insane
drive into a corner
drive into the open
drive into your head
drive mad
drive nozzle
drive off
drive on
drive out
drive screw
drive shaft
drive shoe
drive stakes
drive the pen
drive the pencil
drive to despair
drive to desperation
drive to leeward
drive to ruin
drive to the bad
drive to the dogs
drive to the wall
drive together
drive train
drive up the wall
drive wheel
drive whist
drive you hard
drive you mad
drive yourself
drive-
drive-in
drive-in restaurant
drive-in theater
drivel away
drivelid idiot
driven from pillar to post
driven snow
driver ant
driver mast
driver's license
driver's seat
driving age
driving and striking force
driving axle
driving band
driving barrel
driving bit
driving board
driving box
driving chain
driving clock
driving dog
driving drum
driving face
driving fit
driving force
driving gear
driving horn
driving horse
driving iron
driving licence
driving mashie
driving mirror
driving out
driving park
driving plate
driving power
driving punch
driving rain
driving range
driving sail
driving shaft
driving snow
driving spring
driving wagon
driving wheel
driving-box
driving-wheel
drizzle-drozzle
drizzling mist
drof-land
drogue chute
droit des gens
droit du seigneur
droits des gens
dromedary corps
dromos tomb
drone bass
drone bee
drone cell
drone fly
drongo cuckoo
drongo shrike
droop-eared
droop-headed
droop-nosed
drooping spirits
drop a bomb
drop a brick
drop a hint
drop a letter
drop a line
drop a tear
drop all idea of
drop anchor
drop arch
drop asleep
drop away
drop bar
drop behind
drop biscuit
drop black
drop bolt
drop bomb
drop bottom
drop box
drop by
drop by drop
drop cannon
drop chalk
drop chronograph
drop cloth
drop cooky
drop cord
drop curtain
drop dead
drop down
drop ear
drop elbow
drop ell
drop fly
drop folio
drop forge
drop forging
drop frame
drop from sight
drop from the clouds
drop from your thoughts
drop front
drop game
drop girt
drop glass
drop goal
drop guide
drop hammer
drop hammerman
drop handle
drop hanger
drop head
drop in
drop in on
drop in temperature
drop in the bucket
drop in the ocean
drop in your tracks
drop initial
drop into a good thing
drop it
drop jaw
drop keel
drop key
drop kick
drop lamp
drop leaf
drop letter
drop like a hot potato
drop line
drop number
drop off
drop on
drop out
drop out of society
drop panel
drop pass
drop pit
drop press
drop roller
drop rudder
drop scene
drop scone
drop screen
drop seat
drop serene
drop shipment
drop shipper
drop shot
drop shutter
drop siding
drop stitch
drop strake
drop stroke
drop sulphur
drop table
drop tank
drop tee
drop testing machine
drop the ball
drop the curtain
drop the handkerchief
drop the hook
drop the mooring
drop the subject
drop to pieces
drop valve
drop vie
drop weight
drop window
drop wire
drop worm
drop your eyes
drop your gaze
drop your guard
drop zinc
drop-
drop-away
drop-bottom bucket
drop-center rim
drop-eared
drop-forged
drop-forger
drop-forging
drop-forging die
drop-front
drop-kick
drop-kicker
drop-leaf
drop-leaf table
drop-legged
drop-letter
drop-meal
drop-off
drop-out
drop-out current
drop-out voltage
drop-scene
drop-shaped
drop-stich
drophead coup
droplet fall
droplet infection
dropped egg
dropped eggs
dropped from the clouds
dropped girt
dropped scone
dropped seat
dropper fly
dropper-on
dropping anchor
dropping angle
dropping bottle
dropping out
dropsy plant
dropsy-dry
dropsy-sick
drought-parched
drought-resisting
drought-stricken
drove chisel
drove work
drove-road
drown care
drown out
drown your sorrows
drowned coast
drowned valley
drowning rain
drowse off
drug abuser
drug addict
drug addiction
drug beetle
drug bottler
drug carriage
drug clerk
drug compounder
drug culture
drug dependence
drug dose
drug fiend
drug grinder
drug habit
drug ice
drug in the market
drug mixer
drug on the market
drug packet
drug pulverizer
drug pusher
drug rash
drug seller
drug store
drug treatment
drug trip
drug user
drug weigher
drug-addicted
drug-damned
drug-grinding
drug-mixing
drug-pulverizing
drug-selling
drug-using
drugged sleep
drugged with sleep
drugstore beetle
drugstore complexion
drugstore cowboy
druid stone
drum armature
drum brake
drum clock
drum controller
drum corps
drum dam
drum escapement
drum feed
drum language
drum major
drum majorette
drum malt
drum memory
drum music
drum out
drum paneling
drum puller
drum sander
drum saw
drum scale
drum screen
drum sieve
drum slide
drum spool
drum stuffing
drum switch
drum table
drum up
drum washer
drum wheel
drum winding
drum-major
drum-major's baton
drum-shaped
drum-type elevator
drum-up
drum-wound
drumble-drone
drumhead cabbage
drumhead court-martial
drumhead justice
drumming out
drummond light
drumstick tree
drunk as a fiddler
drunk as a lord
drunk as a piper
drunk as an owl
drunkard's chair
drunken brawl
drunken carousel
drunken plant
drunken revelry
drunken rye grass
drunken saw
dry air
dry ammunition
dry as a bone
dry as dust
dry battery
dry beater
dry bed
dry behind the ears
dry bone
dry bones
dry cell
dry cereal
dry cleaner
dry cleaning
dry compass
dry cooper
dry distillation
dry dock
dry farm
dry farmer
dry farming
dry fire
dry fly
dry fog
dry freeze
dry fresco
dry gangrene
dry garden
dry goods
dry goods dealer
dry goods store
dry hole
dry ice
dry kiln
dry lake
dry land
dry law
dry martini
dry measure
dry milk
dry miller
dry mixer
dry mop
dry nurse
dry offset
dry out
dry pint
dry pipe
dry plate
dry pleurisy
dry point
dry puddling
dry quart
dry rent
dry rot
dry run
dry sailing
dry sailor
dry season
dry socket
dry spinner
dry steam
dry sterile thunder without rain
dry storage
dry up
dry wash
dry well
dry wine
dry wit
dry womb
dry-air pump
dry-as-dust
dry-beat
dry-blowing
dry-bone ore
dry-boned
dry-bones
dry-brush
dry-bulb thermometer
dry-burnt
dry-clean
dry-cleanse
dry-cleansed
dry-cleansing
dry-shoot
dry-skinned
dry-soled
dry-stone
dry-tamp machine
dry-throated
dry-tongued
dry-weather flow
dry-weather vine
drying blotter
drying cabinet
drying chamber
drying fan
drying floor
drying frame
drying house
drying kiln
drying loft
drying oil
drying oven
drying pan
drying paper
drying rack
drying room
drying shed
drying tray
drying tube
drying up
drying yard
dryland farming
dryness fraction
du Bellay
du Cerceau
du Nouy tensiometer
du Vigneaud
du jour
dual carriageway
dual citizenship
dual controls
dual highway
dual nationality
dual personality
dual pricing
dual purpose fund
dual space
dual-control trainer
dual-purpose
dub bright
dub in
duc de Rivoli
duces tecum
duchesse bed
duchesse lace
duck acorn
duck and drake
duck and run
duck ant
duck blue
duck breeder
duck bumps
duck call
duck duty
duck egg
duck fit
duck foot
duck grass
duck green
duck gun
duck hawk
duck hunter
duck joint
duck keeper
duck mole
duck moss
duck oak
duck on a rock
duck on drake
duck on the rock
duck out
duck pass
duck pen
duck potato
duck rearer
duck responsibility
duck ring
duck sauce
duck shot
duck sickness
duck snipe
duck soup
duck table
duck the issue
duck wheat
duck willow
duck's arse
duck's bill
duck's egg
duck's meat
duck-bill
duck-billed
duck-billed dinosaur
duck-billed platypus
duck-egg
duck-egg blue
duck-footed
duck-hawk
duck-legged
duck-retter
duck-toed
duckbill cat
duckbill gar
duckbill platypus
ducking stool
ducking-pond
ducking-stool
ducks and drakes
ducktail haircut
duckweed family
duct keel
ductless gland
dudder grass
dude ranch
dude up
due bill
due course
due course of law
due date
due north
due process
due process of law
due punishment
due reward
due season
due sense of
due to
dueling pistol
dues-paying member
duff up
duffel bag
duffel coat
duffle coat
dug-out
dug-up
duke cherry
dukey rider
dulcimer harpsichord
dull as dish water
dull as dishwater
dull as ditchwater
dull bitterness of cold
dull hearing
dull of hearing
dull of mind
dull the pain
dull thud
dull tool
dull-brained
dull-browed
dull-colored
dull-eared
dull-edged
dull-eyed
dull-head
dull-headed
dull-headedness
dull-lived
dull-looking
dull-pated
dull-pointed
dull-red
dull-scented
dull-sighted
dull-sightedness
dull-sounding
dull-spirited
dull-surfaced
dull-toned
dull-tuned
dull-voiced
dull-witted
dull-wittedness
dulse dealer
dulse-green
duly constituted
dum spiro spero
dum vivimus vivamus
dumb Dora
dumb ague
dumb animal
dumb barge
dumb barter
dumb bid
dumb bunny
dumb cane
dumb cluck
dumb compass
dumb creature
dumb friend
dumb rabies
dumb sheave
dumb show
dumb stricken
dumb struck
dumb thing to do
dumb trick
dumb up
dumb with grief
dumb-bell
dumb-bird
dumb-cane
dumb-show
dumb-struck
dumb-waiter
dumble-
dumdum bullet
dumdum fever
dummy antenna
dummy block
dummy car
dummy cartridge
dummy cop
dummy experiment
dummy index
dummy joint
dummy pass
dummy share
dummy up
dummy variable
dummy whist
dummy-head torpedo
dump altitude
dump body
dump car
dump heap
dump hook
dump on
dump pile
dump rake
dump scow
dump truck
dump wagon
dumping bucket
dumping car
dumping cart
dumping device
dumping duty
dumping grate
dumping ground
dumping machine
dumping place
dumping press
dumping truck
dumping wagon
dumpling cactus
dumpy level
dun crow
dun diver
dun fly
dun-belted
dun-bird
dun-brown
dun-colored
dun-diver
dun-drab
dun-driven
dun-haunted
dun-olive
dun-plagued
dun-racked
dun-red
dun-white
dun-yellow
dun-yellowish
duncan phyfe
dunce cap
dunce's cap
dundathu pine
dundrea- ries
dune buggy
dune dweller
dune forest
dune grass
dune heath
dune land
dune marsh
dune plant
dune sand
dung bath
dung beetle
dung cart
dung chafer
dung fly
dung fork
dung heap
dung pit
dung worm
dung-cart
dung-fork
dunga-runga
dunghill fowl
dunk tree
duo-
duodecim-
duodecimal system
duodecuple scale
duoden-
duodenal ulcer
duodiode-triode
dupable person
duple measure
duple ratio
duple rhythm
duple time
duplex apartment
duplex bed
duplex boiler
duplex escapement
duplex house
duplex lock
duplex oxygenator
duplex process
duplex pump
duplex purchase
duplex telegraphy
duplex-numeric index
duplexity theory
duplicate bridge
duplicate plate
duplicate-pinnate
duplicating machine
duplication of effort
duplication of the cube
duplicato-
duplicato-dentate
duplicato-serrate
duplicato-ternate
duplicit principle
duplicit theory
dura mater
durable goods
durable press
durance vile
durango root
durante vita
durfa grass
durfee grass
during the interval
during the time
during the time that
during which time
durry-dandy
durum wheat
dusk dark
dusk-down
dusky grouse
dusky shark
dusky-browed
dusky-colored
dusky-faced
dusky-mantled
dusky-raftered
dusky-sandaled
dust ball
dust band
dust bin
dust bowl
dust brush
dust cap
dust cart
dust chamber
dust cloak
dust cloud
dust coat
dust count
dust counter
dust cover
dust devil
dust down
dust exhaust
dust extractor
dust furrow
dust gun
dust heap
dust in the eyes
dust infection
dust jacket
dust louse
dust mop
dust mulch
dust of ages
dust off
dust process
dust remover
dust ruffle
dust seal
dust shot
dust storm
dust thrown in the eye
dust trunk
dust well
dust whirl
dust your jacket
dust-bath
dust-begrimed
dust-box
dust-brand
dust-colored
dust-counter
dust-covered
dust-dry
dust-gray
dust-laden
dust-laying
dust-point
dust-polluting
dust-producing
dust-soiled
dust-throwing
dust-tight
dust-up
duster coat
duster-off
dusting brush
dusting colors
dusting powder
dusting-powder
dusty clover
dusty death
dusty miller
dutch clover
dutch courage
dutch door
dutch elm disease
dutch hoe
dutch lunch
dutch oven
dutch treat
dutch uncle
duties and responsibilities
duty calls you to
duty officer
duty visit
duty-bound
duty-free
duty-free shop
dvi-manganese
dwarf Japanese quince
dwarf Juneberry
dwarf alder
dwarf banana
dwarf bean
dwarf chestnut
dwarf cornel
dwarf crested iris
dwarf door
dwarf fan palm
dwarf ginseng
dwarf goldenrod
dwarf laurel
dwarf mallow
dwarf meadow grass
dwarf morning-glory
dwarf nasturtium
dwarf palmetto
dwarf poinciana
dwarf star
dwarf sumac
dwell in
dwell in your memory
dwell on
dwell upon
dwelling house
dwelling place
dwelling upon
dy-
dyadic system
dyakis-dodecahedron
dycrete process
dye bag
dye base
dye bath
dye boiler
dye box
dye bucket
dye grinder
dye in the wool
dye maker
dye mixer
dye pine
dye pot
dye remover
dye sensitizing
dye tank
dye therapy
dye transfer
dye tub
dye vat
dye works
dye your hands in blood
dyed in the wool
dyed-in-the-wool
dyer's furze
dyer's greenweed
dyer's rocket
dyer's woodruff
dyer's-broom
dyer's-greenweed
dyer's-weed
dyewood clipper
dyewood cutter
dyewood extract
dyewood grinder
dyewood liquor
dyewood miller
dying away
dying breath
dying day
dying down
dying for
dying hour
dying off
dying to
dying word
dying words
dynam-
dynamic economics
dynamic electricity
dynamic energy
dynamic geology
dynamic lift
dynamic markings
dynamic meteorology
dynamic microphone
dynamic pressure
dynamic psychology
dynamic speaker
dynamic stability
dynamic symmetry
dynamic wind rose
dynamical astronomy
dynamical stability
dynamite bomb
dynamite cap
dynamite glycerin
dynamite gun
dynamite maker
dynamite mixer
dynamite thower
dynamo belting
dynamo brush
dynamo casting
dynamo commutator
dynamo erector
dynamo lubricator
dynamo winder
dynamo-
dynamometric governor
dynatron oscillator
dyne centimeter
dyne-seven
dys-
dysenteric arthritis
dysentery root
dzera-a-rabry pik
dzera-a-torky pik
e layer
e pluribus unnum
e region
e-
eV
each and all
each and every
each and every one
each in its turn
each one
each other
each to each
each-where
eager assent
eager attention
eager beaver
eager-eyed
eager-hearted
eager-looking
eager-minded
eager-seeming
eagle bird
eagle boat
eagle claw
eagle eye
eagle feather
eagle fern
eagle flower
eagle gull
eagle hawk
eagle lectern
eagle owl
eagle plume
eagle ray
eagle rock
eagle scout
eagle vulture
eagle wing
eagle-billed
eagle-eyed
eagle-flighted
eagle-hawk
eagle-headed
eagle-pinioned
eagle-seeing
eagle-sighted
eagle-winged
eagle-wood
ear conch
ear cornet
ear coverts
ear crystal
ear drops
ear dust
ear flap
ear fly
ear for music
ear for, an
ear fungus
ear guard
ear index
ear leaf
ear lobe
ear mold
ear muff
ear of corn
ear off
ear piercer
ear reach
ear rot
ear sand
ear shell
ear snail
ear specialist
ear stone
ear tag
ear tick
ear tree
ear trumpeter
ear wagon
ear, nose, and throat specialist
ear-ache
ear-brisk
ear-cockie
ear-deafening
ear-filling
ear-leaved
ear-mark
ear-minded
ear-mindedness
ear-piercing
ear-rending
ear-rent
ear-ring
ear-splitting
ear-to-ear grin
ear-trumpet
ear-wax
ear-witness
eardrop tree
eared seal
earl duck
earl marshal
earl marshall
earl palatine
earless lizard
earless seal
earlier state
earliest inhabitant
earls palatine
early bird
early blight
early closing
early comer
early death
early edition
early enough
early grave
early hour
early meadow grass
early meadow rue
early mesquite
early on
early purple orchid
early renaissance
early riser
early saxifrage
early stage
early symptom
early times
early warning
early warning system
early wood
early years
early-type star
early-warning radar
earn a bad name
earn a livelihood
earn a living
earn your keep
earned income
earned run
earned run average
earned surplus
earnest money
earnest-penny
earning grass
ears more deaf than adders
earth almond
earth apple
earth art
earth artist
earth auger
earth battery
earth bob
earth bread
earth cell
earth chestnut
earth circuit
earth closet
earth club
earth color
earth colour
earth crab
earth crust
earth current
earth division
earth dweller
earth flax
earth flea
earth foam
earth goddesses
earth hog
earth hole
earth house
earth hunger
earth induction compass
earth inductor compass
earth ivy
earth life
earth lodge
earth louse
earth metal
earth metals
earth moss
earth mother
earth movement
earth orbit
earth owl
earth pig
earth pillar
earth pitch
earth plate
earth plum
earth quadrant
earth science
earth smoke
earth spirit
earth spring
earth stopper
earth table
earth tide
earth tilting
earth tone
earth tremor
earth up
earth wave
earth wax
earth wire
earth wolf
earth's crust
earth-apple
earth-ball
earth-board
earth-born
earth-bound
earth-boundness
earth-convulsing
earth-delving
earth-destroying
earth-devouring
earth-din
earth-dwelling
earth-eating
earth-engendered
earth-fed
earth-god
earth-goddess
earth-homing
earth-light
earth-lit
earth-mad
earth-moving
earth-nut
earth-old
earth-refreshing
earth-rending
earth-shaking
earth-sounds
earth-sprung
earth-stained
earth-strewn
earth-vexing
earth-wide
earth-wrecking
earthly minded
earthly-minded
earthly-mindedness
earthly-wise
earthnut oil
earthquake insurance
earthquake-proof
ease in
ease matters
ease of belief
ease off
ease one of
ease out
ease the helm
ease the rudder
ease up
ease up to
ease your load
ease yourself
ease-off
ease-up
easel-picture
easement curve
easier said than done
easily attained
easily first
easily reached
easily taken in
easily understood
easing of relations
easing of the load
easing of the way
easing sparrow
east Greenland current
east by north
east by south
east india
east indian
east indies
east wind
east-country
east-end
east-northeast
east-northeastward
east-northeastwardly
east-sider
east-southeast
east-southeastward
east-southeastwardly
east-windy
easter egg
easter lily
easter monday
easter-day
easterly wave
eastern coral snake
eastern crown
eastern diamondback rattlesnake
eastern hemisphere
eastern hemlock
eastern kingbird
eastern orthodox
eastern red cedar
eastern time
easting down
easy aces
easy as falling off a log
easy as pie
easy chair
easy circumstances
easy come
easy come, easy go
easy death
easy does it
easy end
easy game
easy go
easy going
easy lay
easy mark
easy mind
easy money
easy of belief
easy on the eyes
easy pickings
easy prices
easy purse strings
easy rider
easy slope
easy street
easy target
easy temper
easy thing
easy to be seen
easy to get along with
easy to speak to
easy to understand
easy victory
easy virtue
easy winner
easy woman
easy-fitting
easy-flowing
easy-going
easy-hearted
easy-humored
easy-mannered
easy-minded
easy-natured
easy-paced
easy-rising
easy-running
easy-spoken
eat away
eat crow
eat dirt
eat heartily
eat hearty
eat high off the hog
eat humble pie
eat in
eat into
eat like a bird
eat like a horse
eat off the same trencher
eat out
eat out of house and home
eat out of your hand
eat sparingly
eat the bread of idleness
eat the dust of
eat the wind out of
eat to live
eat to windward
eat to windward of
eat up
eat up the road
eat up the track
eat you out of house and home
eat your fill
eat your head off
eat your heart out
eat your terms
eat your words
eat, drink, and be merry
eat-all
eaten up
eaten up with curiosity
eaten-leaf
eater-out
eating house
eating tobacco
eating up
eau de Cologne
eau de Javelle
eau de cologne
eau de jasmin
eau de lavande
eau de nil
eau de rose
eau de toilette
eau de vie
eau de vie de marc
eau forte
eau minerale
eau-de-vie
eaux minerales
eave trough
eaves catch
eaves swallow
eaves trough
eavy-soled
ebb anchor
ebb and flow
ebb of life
ebb sleeper
ebb tide
eboe light
eboe oil
ebony family
ebony spleenwort
ec-
ecaille work
ecca leobion
ecee homo
ece signum
ecle grass
ecclesi-
ecclesiastical calendar
ecclesiastical council
ecclesiastical court
ecclesiastical insignia
ecclesiastical law
ecclesiastical mode
ecclesiastical society
ecclesiastico-military
ecclesiastico-secular
eccrine gland
echelette grating
echelle grating
echelon grating
echelon lens
echin-
echino-
echo attachment
echo back
echo chamber
echo organ
echo pulse
echo signal
echo sounder
echo sounding
echoic word
eclectic medicine
eclipse breeze
eclipse plumage
eclipsing binary
eclipsing variable
eco-
ecological niche
ecological psychology
economic authority
economic blindness
economic class
economic community
economic cycle
economic determinism
economic determinist
economic expansion
economic expert
economic geography
economic geology
economic good
economic growth
economic man
economic planning
economic poison
economic rent
economic science
economic self-sufficiency
economic stagnation
economic strike
economic support
economic system
economic warfare
economical of words
economics in action
economy class
economy coil
economy of assumption
economy of language
economy of means
economy of words
economy prices
economy size
economy wall
ecrevisse de mer
ecru silk
ect-
ecto-
ectopic pregnancy
ecumenical council
ecumenical movement
ecumenical patriarch
ecumenical patriarchate
ed-
eddy chamber
eddy current
eddy-current brake
eddy-wind
edge effect
edge in
edge iron
edge joint
edge molding
edge off
edge out
edge plane
edge tool
edge tools
edge up to
edge-bone
edge-grain
edge-grained
edge-tool
edge-ways
edging grinder
edging lobelia
edible oil
edit out
edited text
edited version
editio princeps
edition bindery
edition binding
dition time
ditiones principes
ditor in chief
ditor-in-chief
ditorial writer
ditorial-writing
ditors in chief
educated class
educated language
educated man
educated speech
educational administrator
educational film
educational institution
educational psychology
educational television
eel cat
eel fork
eel netting
eel-back flounder
eel-backed
eel-bed
eel-catching
eel-fare
eel-pout
eel-shaped
eel-skin
eel-spear
eentsy-weentsy
eeny meeny miney moe
ef-
eface from the memory
eface yourself
ffect a sale
ffect of
ffect your escape
ffective current
ffective electromotive force
ffective force
ffective horsepower
ffective pitch
ffective rejoinder
ffective resistance
ffective sound pressure
ffective style
ffect organ
efeminate male
efferent neuron
efficiency apartment
efficiency engineer
efficiency engineering
efficiency expert
efficient cause
effigy mound
efflux tube
effort syndrome
effusion balance
effusive rock
efwatakala grass
egads button
egg albumen
egg albumin
egg and anchor
egg and dart
egg and spoon race
egg and tongue
egg apparatus
egg cell
egg coal
egg cozy
egg cream
egg cup
egg drop soup
egg flip
egg foo yong
egg glass
egg in your beer
egg on
egg roll
egg rolling
egg salad sandwich
egg sauce
egg sleeker
egg slice
egg spoon
egg stone
egg tempera
egg timer
egg tooth
egg white
egg whites
egg-and-spoon race
egg-bound
egg-nog
egg-plant
egg-shaped
egg-shell
egg-white
egg-white injury
eggdrop soup
eggs Benedict
eggshell blue
eggshell china
eggshell porcelain
eggy-hot
ego defense
ego defenses
ego ideal
ego trip
ego-id conflict
ego-involve
ego-libido
ego-trip
egoistic ethics
egoistic hedonism
egregious ass
egressAstronomy
egret monkey
eyptian cotton
egypto-
eider down
eider duck
eider yarn
eider-down
eidetic image
eidetic imagery
eidetic memory
eigen-
eight ball
eight bells
eight cut
eight o’clock
eight-angled
eight-armed
eight-ball antenna
eight-celled
eight-cylinder
eight-day
eight-flowered
eight-gauge
eight-hour
eight-oar
eight-oared
eight-ply
eight-quarter cap
eight-spot
eight-square
eight-wheeler
eighter from Decatur
eightfold way
eighth note
eighth rest
eighth stock
eightsome reel
eighty-eight
eighty-eighth
eighty-fifth
eighty-first
eighty-five
eighty-four
eighty-fourth
eighty-nine
eighty-niner
eighty-ninth
eighty-one
eighty-second
eighty-seven
eighty-seventh
eighty-six
eighty-sixth
eighty-third
eighty-three
eighty-two
eis wool
either or
either-or
ejection capsule
ejection seat
ejector seat
eka-aluminum
eka-iodine
ekte out
ekke out a living
ekte out an existence
ekke-name
el dorado
elaeo-
elen vital
ela-
elastic anklet
elastic axis
elastic band
elastic bandage
elastic binder
elastic braid
elastic cement
elastic center
elastic currency
elastic deformation
elastic gel
elastic hoser
elastic hosiery
elastic kneecap
elastic limit
elastic loom
elastic modulus
elastic money
elastic object
elastic paper
elastic rubber
elastic stocking
elastic substance
elastic tape
elastic thread
elastic tissue
elastic varnish
elastic veiling
elastic wave
elastic-seeming
elastic-sided
elbow bender
elbow board
elbow catch
elbow cop
elbow crooker
elbow grease
elbow in
elbow in the ribs
elbow length
elbow rail
elbow telescope
elbow-shaped
elder bark
elder blossom
elder blow
elder fungus
elder hand
elder statesman
elder wine
elder-born
elder-brother
elder-leaved
elder-sister
elderberry wine
eldest hand
eldest of things
eldest-born
elec cement
elected by acclamation
election board
election district
election fraud
election returns
elective operation
electoral college
electoral district
electoral vote
electr-
electra complex
electric arc
electric attraction
electric beaver
electric blanket
electric blue
electric brougham
electric cable
electric candle
electric capacitance
electric car
electric chair
electric charge
electric circuit
electric clock
electric column
electric conduction
electric constant
electric cooker
electric cord
electric current
electric detonator
electric dipole moment
electric discharge
electric drill
electric driller
electric eel
electric exploder
electric eye
electric fan
electric field
electric field intensity
electric field strength
electric fish
electric flow
electric frying pan
electric furnace
electric fuse
electric gain
electric glow
electric guitar
electric hammer
electric hare
electric heat
electric heater
electric heating
electric horsepower
electric intensity
electric iron
electric lamp
electric light
electric light bulb
electric lighting
electric meter
electric meters
electric mole
electric motor
electric needle
electric organ
electric pad
electric polarity
electric potential
electric power
electric railway
electric range
electric ray
electric razor
electric reactor
electric refrigeration
electric refrigerator
electric repulsion
electric resistance
electric riveter
electric roaster
electric sander
electric saw
electric seal
electric shaver
electric shock
electric soldering iron
electric spark
electric storm
electric stove
electric stream
electric switch
electric telegraph
electric thermometer
electric toaster
electric torch
electric train
electric typewriter
electric unit
electric units
electric wave
electric welder
electric wind
electric wire
electric-arc furnace
electric-arc lamp
electric-discharge lamp
electric-discharge tube
electric-drive
electric-heat
electric-heated
electric-lighted
electric-powered
electrical capacity altimeter
electrical communication
electrical degree
electrical device
electrical engineer
electrical engineering
electrical governor
electrical part
electrical parts
electrical parts and devices
electrical scanning
electrical science
electrical storm
electrical transcription
electricity meter
electro-
electro-biology
electro-discharge machining
electro-magnet
electro-optical effect
electro-organic chemistry
electro-osmosis
electro-osmotic
electro-osmotically
electro-pneumatic organ
electro-ultrafiltration
electrocaloric effect
electrochemical series
electroconvulsive therapy
electrode conductance
electrode potential
electrode resistance
electrodeless discharge
electrodynamic speaker
electrohydraulic steering gear
electroless plating
electrolizer switch
electrolytic capacitor
electrolytic cell
electrolytic conductor
electrolytic dissociation
electrolytic gas
electrolytic interrupter
electrolytic machining
electrolytic protection
electromagnetic field
electromagnetic induction
electromagnetic interaction
electromagnetic lifting magnet
electromagnetic moment
electromagnetic pump
electromagnetic radiation
electromagnetic speaker
electromagnetic spectrum
electromagnetic tape
electromagnetic unit
electromagnetic wave
electromechanical controller
electromotive force
electromotive series
electron accelerator
electron affinity
electron beam
electron camera
electron capture
electron cloud
electron diffraction
electron dynamics
electron emission
electron flow
electron gas
electron gun
electron layers
electron lens
electron magnetic spectroscope
electron micrograph
electron microscope
electron microscopy
electron movement
electron multiplier
electron optics
electron pair
electron physics
electron probe microanalysis
electron ray
electron shells
electron shower
electron spin
electron spin resonance
electron state
electron stream
electron telescope
electron theory
electron theory of atoms
electron theory of electricity
electron theory of solids
electron transfer
electron transport
electron tube
electron tubes
electron volt
electron-beam tube
electron-diffraction camera
electron-image projector
electron-image tube
electron-positron pair
electron-ray tube
electron-volt
electron-wave tube
electronic Bohr magneton
electronic air conditioner
electronic air filter
electronic altimeter
electronic battery
electronic brain
electronic carillon
electronic chronometer
electronic circuit
electronic clock
electronic communication
electronic communications
electronic comparator
electronic computer
electronic computers
electronic control
electronic cop
electronic counter
electronic data processing
electronic detector
electronic device
electronic devices
electronic drum
electronic effect
electronic emission
electronic engineering
electronic fix
electronic flash
electronic fuel gauge
electronic hearing aid
electronic heater
electronic heating
electronic limit gauge
electronic meter
electronic meters
electronic music
electronic navigation
electronic nutcracker
electronic organ
electronic oscillator
electronic pilot
electronic potentiometer
electronic precipitator
electronic recorder
electronic refrigeration
electronic refrigerator
electronic revolution
electronic scanning
electronic servo
electronic stenciling machine
electronic stethoscope
electronic surveillance
electronic switch
electronic switching
electronic testing
electronic testing equipment
electronic timer
electronic tube
electronic typewriter
electronic voltmeter
electronic-flash unit
electronic-mechanical control
electronics dictionary
electronics engineer
electronics king
electronics physicist
electropneumatic transducer
electroshock therapy
electrostatic field
electrostatic generator
electrostatic inductio
electrostatic induction
electrostatic lens
electrostatic machine
electrostatic precipitation
electrostatic precipitator
electrostatic printing
electrostatic speaker
electrostatic spraying system
electrostatic storage unit
electrostatic tube of force
electrostatic unit
electrotherapeutic treatment
electrotype press
electrovalent bond
elegant penmanship
elegant variation
elegant writer
elegiac couplet
elegiac distich
elegiac pentameter
elegiac poetry
elegiac stanza
elegiac verse
eleme figs
elemental area
elemental spirit
elementary algebra
elementary arithmetic
elementary dictionary
elementary education
elementary instruction
elementary mathematics
elementary metal
elementary metals
elementary particle
elementary process
elementary quantum of action
elementary school
elementary unit
elemi figs
eleolite syenite
elephant apple
elephant beetle
elephant bird
elephant driver
elephant fish
elephant grass
elephant gun
elephant seal
elephant shrew
elephant's trunk
elephant's trunk snake
elephant's-ear
elephant's-foot
elephant's-feet
elephant-ear fern
elephant-hide pahoehoe
eleuthera bark
eleuthero-
elevate your mood
elevated railroad
elevated railway
elevating rudder
elevation Astronomy
elevator angle
elevator boy
elevator car
elevator conductor
elevator conveyer
elevator dredge
elevator girl
elevator man
elevator operator
elevator shaft
elevator shaft
elevator signal
elevator starter
eleven o'clock
eleven-o'clock-lady
eleven-plus
eleven-year period
eleventh chord
eleventh hour
eleventh-hour
elf arrow
elf child
elf dance
elf kind
elf kindred
elf knight
elf owl
elf queen
elf-god
elf-lock
elf-shoot
elf-shot
elf-stricken
elf-struck
elf-taken
elfin-tree
eligible paper
elimination contest
elisor jury
elite corps
elite group
elite or long primer
elite troops
elixir of life
elixir vitae
elk bark
elk clover
elk nut
elk-grass
ell-broad
ell-long
ell-wand
ell-wide
ellipsoidal basalt
ellipsoidal lava
elliptic function
elliptic geometry
elliptic integral
elliptic spring
elliptic velocity
elliptic-lanceolate
elliptic-leaved
elliptical function
elliptical galaxy
elliptical light
elliptical polarization
elliptically polarized
elm balsam
elm bark
elm bark beetle
elm blight
elm calligrapha
elm leaf beetle
elm phloem necrosis
elm-leaved
elongato-conical
elongato-ovate
eloquent tongue
elude one
elusion process
elytr-
em dash
em pica
em quad
em space
em-
emanate a smell
emanate from
embalm in the memory
embalmed corpse
embalming fluid
embark in
embark on
embark upon
embarkation deck
embarras de choix
embarras de richeses
embarrassed circumstances
embarrassing position
embarrassing situation
embattled grady
embed itself in the mind
ember day
ember goose
emblem book
emblem of authority
embodied in
embody in words
embol-
embossing plate
embrace a belief
embrace reality
embroidery floss
embroidery frame
embroidery needle
embr-
embryo bearer
embryo sac
embryon-
embryonic disk
embryonic layer
embryonic membrane
emerald copper
eemerald cut
eemerald green
eemerald toucanet
eemerald-green
eemerge from
eemergency barrage
eemergency boat
eemergency brake
eemergency control
eemergency exit
eemergency landing field
eemergency landing gear
eemergency light
eemergency man
eemergency money
eemergency operation
eemergency rations
emergent evolution
emeritus status
emery belt
emery board
emery cloth
emery file
emery paper
emery powder
emery rock
emery surferacer
emery wheel
emeto-cathartic
eminence grise
eminent domain
emission current
emission spectrum
emission theory
emit a smell
emit a sound
emitter current
emitter junction capacitance
emitter resistance
emitter signal current
emitter signal voltage
emotional appeal
emotional capacity
emotional charge
emotional deadness
emotional disorder
emotional dissociation
emotional health
emotional instability
emotional instability reaction
emotional insulation
emotional life
emotional nuance
emotional numbness
emotional outburst
emotional paralysis
emotional release
emotional response
emotional shade
emotional shock
emotional support
emotional symptom
emotionally dead
emotionally numb
emotionally paralyzed
emotionally respond
emotionally unstable
emotionally unstable personality
emotive meaning
empathize with
emperor boa
emperor butterfly
emperor moth
emperor penguin
empire builder
empire building
empire cloth
empire day
empire-builder
empiric treatment
empirical existence
empirical fact
empirical formula
empirical politics
employ the time
employ time
employ your time in
employ yourself in
employ yourself upon
employer-owned
employment agency
employment agent
employment bureau
employment contract
employment exchange
empress cloth
empress of silence
empress tree
emptiness of mind
empty ceremony
empty claim
empty formality
empty gesture
empty hands
empty morph
empty name
empty of
empty out
empty pocket
empty purse
empty sound
empty space
empty stomach
empty threat
empty title
empty view
empty word
empty words
empty-armed
empty-barreled
empty-bellied
empty-cell process
empty-fisted
empty-handed
empty-handedness
empty-headed
empty-headedness
empty-looking
empty-minded
empty-mindedness
empty-mouthed
empty-noddled
empty-paneled
empty-pated
empty-skulled
empty-stomached
empty-vaulted
empty-voiced
emu apple
emu bush
emu grass
emu-wren
emulsion colloid
emulsion paint
en attendant
en avant
en bloc
en brochette
en brosse
en cabochon
en casserole
en clair
en dash
en deshabille
en echelon
en effet
en f
en face
en famille
en garde
en grand seigneur
en grande tenue
en grande toilette
en loge
en masse
en papillote
en passant
en pension
en plein
en plein air
en plein jour
en plus
en prise
en quad
en rapport
en regle
en revanche
en route
en route to
en soleil
en space
en suite
en tapinois
enabling act
exact laws
enacting clause
enamel bud
enamel cell
enamel kiln
enamored of
enb-
encased heart
encaustic cerography
encaustic painting
encephal-
encephalitis lethargica
encephalo-
enchanter's nightshade
encircling movement
enclosed order
enclosed space
enclosure act
enclosure wall
encompass with shadow
encounter danger
encounter group
encounter therapy
encroach upon
encyclical letter
encyclopedic knowledge
end around
end artery
end bell
end bulb
end burner
end for end
end game
end in smoke
end in view
end line
end man
end matter
end mill
end of burning
end of debate
end of life
end of steel
end of the earth
end of the line
end of your rope
end of your tether
end off
end on
end organ
end paper
end pin
end plate
end play
end point
end product
end result
end rhyme
end run
end sheet
end stop
end stopping
end stress
end table
end the life of
end to end
end up
end up in smoke
end use
end wrench
end your days
end your life
end zone
end-all
end-blown
end-grain
end-lap joint
end-match
end-measure
end-of-day glass
end-point control
end-rack
end-shrink
end-stopped
end-to-end
end-ways
endeavor to
endeca-
endemic disease
ender-on
energy level
energy metabolism
energy meter
energy state
energy surface density
energy voltage
energy-consuming
energy-producing
enfant perdu
enfant terrible
enfants perdus
enfants terribles
enforce economies
enforce upon
enforce your claim
enforced respite
engage attention
engage in
engage in a conversation
engage in battle
engage in hostilities
engage in marriage
engage in personalities
engage the attention
engage the mind
engage the thoughts
engage with
engage yourself
engage yourself with
engaged column
engaged in thought
engaged tone
engagement book
engagement ring
engine builder
engine cleaner
engine company
engine control
engine controls
engine cultivator
engine department
engine driver
engine fitter
engine gauge
engine house
engine lathe
engine maker
engine making
engine parts
engine pilot
engine rod
engine room
engine shop
engine size
engine smith
engine space
engine tender
engine turning
engine work
engine worker
engine yard
engine-driven
engine-room officer
engine-room telegraph
engine-sized
engine-sizer
engine-turned
engine-turner
engine-type generator
engineer corps
engineer's chain
engineer's hammer
engineering chemistry
engineering school
engines of war
english breakfast tea
english foxhound
english horn
english muffin
english rabbit
english setter
english shepherd
english sonnet
english springer
english toy spaniel
english walnut
engorgement colic
engrave on
engraved invitation
engraver beetle
engraver's proof
engraver's trick
engraving process
engraving tool
engross the mind
engross the thoughts
engrossed in
engrossed in thought
enharmonic chord
enharmonic diesis
enharmonic interval
enharmonic modulation
enharmonic note
enharmonic scale
enharmonic tetrachord
enharmonic tie
enigma canon
enigmatic canon
enigmatic question
enigmato-
  enjoy a certain position
enjoy friendly relations with
enjoy good health
enjoy good relations with
enjoy prosperity
enjoy single blessedness
enjoy the use of
enjoy your own company
enjoy yourself
enjoying health
enjoyment of property
enlarge the mind
enlarge upon
enlist into service
enlist under the banner of
enlisted man
enlisted woman
enmeshed in
ennea-eteric
enol form
enol-keto isomerism
enough and then some
enough and to spare
enough in all conscience
enough said
enough to drive you mad
enough to get by on
enough to make a preacher swear
enough to provoke a saint
enough to wake the dead
enp-
enroll a jury
ens realissimum
ensemble music
ensemble singing
enshrine in the memory
ensign armorial
ensign fly
ensign staff
ensign-bearer
ensue from
ent-
entangled in
entente cordiale
enter a protest
enter into
enter into competition with
enter into detail
enter into possession
enter into the feelings of
enter into the ideas of
enter into the spirit of
enter into your view
enter into your views
enter on
enter the arena
enter the arena with
enter the lists
enter the ring with
enter upon
enter with a will
enter your mind
enter-
entered hound
entered through another gate
enteric fever
entering wedge
entero-
entertain a belief
entertain a dislike to
entertain a feeling
entertain a theory
entertain an opinion
entertain doubts
entertain guests
entertain ideas
entertain respect for
entertain suspicions
entertain the hope
entertain the idea of
entertain the inner man
entertain thoughts of
entertainment industry
enthrone your own will
enthusiastic about
entire function
entire horse
entire performance
entire satisfaction
entire-leaved
entire-wheat
entitled to
ento-
ento-ectad
entom-
entomo-
entrail pahoehoe
entrance certificate
entrance cone
entrance examination
entrance fee
entrance hall
entrance money
entrance pallet
entrance pupil
entrance-denying
entre deux ages
entre nous
entrenching tool
entrust with information
entry card
enula campana
envelope addresser
envelope bander
envelope case
envelope clasp
envelope designer
envelope die
envelope folder
envelope gummer
envelope holder
envelope maker
envelope moistener
envelope opener
envelope printer
envelope sealer
envelope table
envelope top
envelope weigher
environing circumstances
environing phenomena
environmental conservation
environmental disease
environmental diseases
environmental pollution
environmental resistance
envoy extraordinary
enwrap the thoughts
enwrapped in mystery
enzootic ataxia
e o nomine
eo-
eol-
colian deposit
eolithic man
ep-
epacris family
epana-
epater le bourgeois
epaulet bat
epaulet sleeve
epaulette tree
epenthetic vowel
eph-
ephemeris second
ephemeris time
epi-
epic machinery
epic poet
epic poetry
epic simile
epic theater
epic verse
epicantic fold
epicyclic train
epicycloidal gear
epicycloidal wheel
epidemic cholera
epidemic disease
epidemic encephalitis
epidemic meningitis
epidemic parotitis
epidemic pleurodynia
epiderm-
epididymo-orchitis
epidote group
epidural anaesthesia
epiglotto-hyoidean
epilepsia gravior
epilepsia major
epilepsia minor
epilepsia mitior
epilepsia nutans
epilepsia tarda
epilept-
epiphysis cerebri
episcopal ring
episcopal sandal
episcopal vestments
epistemological idealism
epistemological logic
epistemological realism
epistemological realist
epistle side
epistolary communication
epistolary intercourse
epistolary novel
epitaxial transistor
epitheli-
epithelial pearl
epizootic aphtha
epoch-forming
epoch-making
epoch-marking
epoxy resin
epsilon-delta
epsilon-neighborhood
epsom salt
epsom salts
equal opportunity employer
equal share
equal sign
equal temperament
equal to
equal-angled
equal-aqual
equal-area
equal-area projection
equal-armed
equal-balanced
equal-blooded
equal-eyed
equal-glumed millet
equal-handed
equal-headed
equal-limbed
equal-poised
equal-sided
equal-souled
equal-weighted
equaling file
equalization fee
equalization fund
equalization period
equalizer brake
equalizer set
equalizing bar
equalizing dynamo
equalizing file
equalizing gear
equalizing pipe
equalizing pulse
equally pinnate
equals sign
equation clock
equation division
equation movement
equation of state
equation of time
equation price
equation solver
equator coordinates
equatorial telescope
equatorial tide
equatorial trough
equestrian director
equi-
equi-gram-molar
equiangular hyperbola
equilateral hyperbola
equilateral triangle
equilibrium isomerism
equilibrium pressure
equilibrium sense
equilibrium valve
equine distemper
equine encephalomyelitis
equine infectious anaemia
equine infectious anemia
equinoctial circle
equinoctial colure
equinoctial hour
equinoctial line
equinoctial point
equinoctial rains
equinoctial storm
equinoctial year
equipartition of energy
equipment bond
equipment note
equipment trust
equipment trust bond
equipment trust certificate
equivoise rudder
equitable estate
equitable interest
equitable jurisdiction
equitime point
equity capital
equity court
equity of redemption
equity security
equity side
equivalence class
equivalence reaction
equivalence relation
equivalent algebras
equivalent circuit
equivalent focal length
equivalent monoplane
equivalent odds
equivalent weight
era of prosperity
erase all doubt
erase from the memory
erasing shield
erce-
erd shrew
ere long
ere then
erecting prism
erection mark
erector spinae
erg-
ergo proper hoc
ergo propter hoc
ergo sum
ergo-
erestic school
erl-king
erlenmeyer flask
ermine moth
ern-bleater
ern-fern
erosion cycle
erosion surface
eros-
erotic art
erotic literature
erotic novel
erotic poetry
eroto-
erand boy
errand girl
errare humanum est
erring sister
error corrector
error detector
error in judgment
error in speech
error of closure
error signals
error-blasted
error-darkened
error-prone
error-proof
error-stricken
error-tainted
error-teaching
eruptive fever
erythema induratum
erythema nodosum
erythr-
erothyredema polyneuropathy
erythro-
erythroblastosis fetalis
erythroblastosis neonatorum
erythrol tetranitrate
es-
escalator clause
escalator plan
escalier derobe
escallop-shell
escape artist
escape attention
escape by the skin of your teeth
escape clause
escape cock
escape earth
escape hatch
escape into fantasy
escape mechanism
escape notice
escape one
escape pipe
escape prison
escape road
escape route
escape shaft
escape the memory
escape valve
escape velocity
escape wheel
escape with a whole skin
escape without penalty
escape your lips
escapement error
escaping tendency
escort carrier
escort fighter
escort vessel
escort wagon
escutcheon of pretence
escutcheon plate
esemplastic imagination
esemplastic power
eskimo dog
eso-
esophageal ulcer
esophageal speech
esophageo-cutaneous
esophageo-enterostomy
esoteric meaning
esoteric reality
esparto grass
espionage agent
espouse a belief
espouse a theory
espouse nonviolence
espouse the cause of
esprit d'escalier
esprit de corps
esprit fort
esquire based
esquisse-esquisse
essay-writing
esse est percipi
esse quam videri
essence d'orient
essence of bergamot
essence of life
essence of mirbane
essence of myrbane
essential amino acid
essential epilepsy
essential facts
essential hypertension
essential matter
essential nature
essential oil
essoin day
essoin roll
est modus in rebus
establish connection
establish residence
established church
established fact
established way
establishing shot
estate agent
estate and effects
estate at sufferance
estate at will
estate car
estate duty
estate for life
estate for years
estate in expectancy
estate in fee
estate in possession
estate in tail
estate manager
estate of freehold
estate of the realm
estate pour autre vie
estate rubber
estate tail
estate tax
estate waggon
estate wagon
ester gum
ester value
esthesio-
estivo-autumnal
esto perpetua
estragon oil
estral cycle
estrangeo alphabet
estrous cycle
estuarine area
et al
et alii
et cetera
et hoc genus omne
et id genus omne
et seq
et seqq
et sequens
et sic de similibus
et sqq
et tu
etain blue
etalon post
etaoin shrdlu
etch indelibly in the mind
etched glass
etching ball
etching ground
etching needle
etching point
etching silk
etching stitch
etching varnish
eternal damnation
eternal home
eternal life
eternal object
eternal re-creation
eternal recurrence
eternal rest
eternal return
eternal sleep
eternal triangle
eternal universal
eternal verities
eternal youth
eternally the same
eternity ring
eth-
ethane dinitrile
ethanedioic acid
ether drift
ether extract
ether space
ether value
etheric body
etheric double
etheric self
etherin theory
ethical code
ethical drug
ethical formalism
ethical hedonism
ethical nihilism
ethical nihilist
ethical philosophy
ethical relativism
ethical relativist
ethical self
ethical system
ethico-
ethiops martial
ethiops mineral
ethmo-
ethmoid bone
ethnic community
ethnic group
ethnic joke
ethnic music
ethnic vote
ethno-
ethyl acetate
ethyl acetoacetate
ethyl acetone
ethyl alcohol
ethyl aminobenzoate
ethyl butanoate
ethyl butyrate
ethyl caproate
ethyl capronate
ethyl carbamate
ethyl cellulose
ethyl chloride
ethyl ester
ethyl ether
ethyl gas
ethyl group
ethyl hexanoate
ethyl hexoate
ethyl hydride
ethyl malonate
ethyl mercaptan
ethyl methyl ketone
ethyl nitrate
ethyl nitrite
ethyl nitrite spirit
ethyl oenanthate
ethyl oxide
ethyl radical
ethyl sulfide
ethyl urethan
ethyl urethane
ethylene alcohol
ethylene bromide
ethylene chloride
ethylene dibromide
ethylene dichloride
ethylene glycol
ethylene group
ethylene oxide
ethylene radical
ethylene series
ethyldiene diethyl ether
ethynyl group
ethynyl radical
eton collar
eton jacket
etymological dictionary
eu-
eu-form
eu-type
eucalyptene hydrochloride
eucalyptus green
eucalyptus gum
eucalyptus oil
eucaryotic cell
eudemis moth
eugenic acid
euglenoid movement
eunuch flute
euonymus scale
eupatorium purple
eupeptic mien
euphoric mien
eur-
eureka red
euro-boreal
europaeo-
european plan
european red mite
eury-
eustachian tube
evacuation ambulance
evacuation hospital
evacuation plane
evacuation station
evade responsibility
evade the issue
evaluative criticism
evans-root
evaporated milk
evaporation gauge
evaporation pan
evaporation tank
evasion of responsibility
evasive action
evasive reasoning
evasive reply
eve-churr
eve-jar
eve-star
even break
even chance
even lot
even money
even now
even number
even odds
even off
even out
even pace
even permutation
even so
even stephen
even temper
even tenor
even the score
even trade
even up
even with
even-
even-bell system
even-christian
even-edged
even-handed
even-handedly
even-handedness
even-minded
even-mindedness
even-money
even-numbered
even-old
even-paged
even-pleached
even-set
even-spun
even-star
even-steven
even-tempered
even-tenored
even-toed
even-toothed
even-up
even-wayed
evener-up
evenging bag
evenging campion
evenging class
evenging damp
evenging devotions
evenging dress
evenging dun
evenging emerald
evenging flower
evenging gown
evenging grosbeak
evenging lychnis
evenging market
evenging mist
evenging of the score
evenging of your days
evenging prayer
evenging prayers
evenging primrose
evenging rose
evenging school
evenging services
evenging shirt
evenging star
evenging stock
evenging trumpet flower
evenging up
evenging watch
evenging's calm and holy hour
evenging's close
evenging-dressed
evening-glory
evening-primrose family
evening-snow
event horizon
events-per-unit-time meter
ever and again
ever and always
ever and anon
ever less
ever more
ever since
ever so
ever so little
ever so many
ever so much
ever the same
ever-abiding
ever-active
ever-admiring
ever-angry
ever-bearing
ever-being
never-beloved
never-blazing
never-blessed
never-blooming
never-burning
never-celebrated
never-changeful
never-changing
never-circling
never-conquering
never-constant
never-craying
never-dear
never-deepening
never-dripping
never-drizzling
never-dropping
never-durable
never-during
never-during dark
never-duringness
never-dying
never-echoing
never-endingly
never-esteemed
never-expanding
ever-faithful
ever-fast
ever-fertile
ever-fresh
ever-friendly
ever-glooming
ever-goading
ever-going
ever-growing
ever-happy
ever-honored
ever-increasing
ever-living
ever-loving
ever-mingling
ever-moving
ever-new
ever-noble
ever-normal granary
ever-present
ever-prompt
ever-ready
ever-recurrent
ever-recurring
ever-renewing
ever-smiling
ever-strong
ever-thrilling
ever-varying
ever-victorious
ever-wearing
ever-white
ever-widening
ever-willing
ever-wise
ever-young
everglade kite
everglade palm
evergreen beech
evergreen bittersweet
evergreen blackberry
evergreen blueberry
evergreen cherry
evergreen clematis
evergreen elm
evergreen grape
evergreen grass
evergreen magnolia
evergreen millet
evergreen oak
evergreen privet
evergreen snakeroot
evergreen thorn
evergreen trumpet flower
evergreen winterberry
evergreen wood fern
everlasting fire
everlasting flower
everlasting moment
everlasting pea
everlasting thorn
everlasting torment
every bit
every bit a
every day
every hour
every inch
every inch a king
every man Jack
every man jack
every moment
every mother's son
every now and then
every once in a while
every one
every one in his turn
every other
every so often
every which way
every whit
every-way
everybody and his uncle
everybody's fool
everything being equal
everything but the kitchen sink
everything that is
everywhere-dense
ev e
eviction clause
evidence in chief
evidence-proof
evil child
evil courses
evil day
evil dispensation
evil disposition
evil eye
evil fortune
evil genius
evil hour
evil humor
evil intent
evil man
evil nature
evil person
evil reputation
evil repute
evil speaking
evil spirit
evil spirits
evil star
evil woman
evil-affected
evil-affectedness
evil-boding
evil-complexioned
evil-disposed
evil-doing
evil-eyed
evil-faced
evil-fashioned
evil-favored
evil-favouredly
evil-favoredness
evil-favoured
evil-featured
evil-fortuned
evil-gotten
evil-headed
evil-hued
evil-humored
evil-impregnated
evil-looking
evil-loved
evil-mannered
evil-minded
evil-mindedly
evil-mindedness
evil-mouthed
evil-ordered
evil-pieced
evil-qualitied
evil-savored
evil-shaped
evil-shapen
evil-smelling
evil-sounding
evil-sown
evil-spun
evil-starred
evil-taught
evil-tempered
evil-theewed
evil-thoughted
evil-tongued
evil-weaponed
evil-willed
evil-won
evoke a response
evoke from the dead
evoked potential
evolutionary change
evolve into
ewe bramble
ewe lamb
ewe teg
ewe-daisy
ewe-gowan
ewe-neck
ewe-necked
ex adverso
ex aequo et bono
ex animo
ex ante
ex cathedra
ex coupon
ex div
ex div<
ex dividend
ex facie
ex facto
ex gratia
ex hypothesi
ex int
ex lege
ex lib
ex libris
ex maleficio
ex more
ex natura rei
ex new
ex nihilo nihil fit
ex off
ex officio
ex opere operato
ex parte
ex parte evidence
ex pede Herculem
ex post
ex post facto
ex post facto examination
ex post facto law
ex pro brate
ex professo
ex promission
ex propriate
ex rights
ex ship tackles
ex silentio
ex store
ex voto
ex voto offering
ex warrants
ex works
ex-
ex-army
ex-cathedra
ex-consult
ex-convict
ex-czar
ex-directory
ex-emperor
ex-employee
ex-enemy
ex-governor
ex-holder
ex-invalid
ex-judge
ex-kaiser
ex-king
ex-libres
ex-librism
ex-librist
ex-mayor
ex-minister
ex-official
ex-officio
ex-pier
ex-praetor
ex-president
ex-quay
ex-rights
ex-service
ex-serviceman
ex-servicemen
ex-ship
ex-voto
exa-
exact counterpart
exact description
exact differential
exact from
exact likeness
exact mates
exact measure
exact science
exactly alike
exaggerate your own merits
exaggerated lengths
exaggerated respect
exalt to the skies
examination by ear
examination of conscience
examination school
examine by ear
examine cursorily
examine point by point
examine side by side
examine the books
examine thoroughly
examine your conscience
examine-in-chief
examining post
examining room
examining side by side
excel at
excel in
excellent accommodations
excellent citizen
excellent companion
excellent manners
excelsior knife
except for
except that
exception taken of
excess demand
excess fare
excess insurance
excess profits tax
excess reinsurance
excess sound pressure
excess sound pressure
excess supply
excess-loss
excess-profits tax
excessive in your praise
excessive interest
excessive irritability
excessive praise
exchange blows
exchange broker
exchange cap
exchange colors
exchange editor
exchange equalization fund
exchange fisticuffs
exchange floor
exchange force
exchange greetings
exchange letters
exchange observations
exchange of blows
exchange of views
exchange opinions
exchange professor
exchange rate
exchange reaction
exchange shots
exchange stabilization fund
exchange student
exchange ticket
exchange transfusion
exchange views
exchangeable base
exchequer bill
exchequer bond
exchequer-chamber
excise tax
excite easily
excite interest
excite notice
excite pity
excite your interest
excited atom
excited imagination
excited state
excited-field speaker
exciter lamp
exciting current
excito-motory
exclaim against
exclamation mark
exclamation point
exclamatory adjective
exclamatory noun
exclude from
exclusion clause
exclusion principle
exclusive disjunction
exclusive jurisdiction
exclusive of
exclusive or
exclusive possession
exclusive representation
excruciating pain
excursion steamer
excursion ticket
excuse-me
excused absence
excusing the liberty
exdebito justitiae
exdebito natural
execute a
execute a maneuver
execute a will
execute by firing squad
executive agreement
executive arm
executive branch
executive committee
executive council
executive director
executive editor
executive function
executive hierarchy
executive office
executive officer
executive order
executive plane
executive privilege
executive role
executive secretary
executive session
executive veto
executor dative
exegi monumentum aere perennius
exemplary citizen
exemplary damages
exempli causa
exempli gratia
exempt carrier
exempt from
exemption from hostilities
exercise bone
exercise book
exercise care
exercise device
exercise discrimination
exercise influence
exercise judgment
exercise of memory
exercise of the intellect
exercise self-control
exercise self-restraint
exercise skill
exercise tact
exercise the duties of
exercise the elbow
exercise the functions of
exercise the judgment
exercise the mind
exercise the office of
exercise the right of angary
exercise your option
exert influence
exert pressure
exert strength
exert yourself
exeunt omnes
exh-
exhaust box
exhaust cowl
exhaust draft
exhaust every move
exhaust fan
exhaust gas
exhaust head
exhaust horn
exhaust jacket
exhaust lap
exhaust pipe
exhaust port
exhaust price
exhaust pump
exhaust silencer
exhaust steam
exhaust valve
exhaust velocity
exhaust-suction stroke
exhaustive study
exhibit the form of
exhibit your wares
exhibition game fowl
exhibition hall
exhibition room
exigio facias
exile tree
exist in
existential operator
existential philosopher
existential philosophy
existential psychology
existential quantifier
existential theology
existential vacuum
existential woe
existing conditions
existing situation
exit card
exit pallet
exit pupil
exo-
exo-condensation
exocentric compound
exocrine gland
exophthalmic goiter
exophthalmic goitre
exorbitant demand
exorbitant interest
exorbitant price
exotic dancer
expand your consciousness
expanded metal
expanding bullet
expanding economy
expanding universe
expanding universe theory
expansion ammeter
expansion attic
expansion bend
expansion bit
expansion bolt
expansion cam
expansion chamber
expansion coupling
expansion curve
expansion engine
expansion fit
expansion gear
expansion joint
expansion pipe
expansion plate
expansion pulley
expansion ring
expansion sleeve
expansion slide
expansion trunk
expansion valve
expansion wave
expansion wheel
expansive bit
expansive classification
expect it of
expect to
expectant treatment
expectant waiting
expectation neurosis
expectation of life
expected of
expected value
expedite your affair
expend your anger on
expense account
experience imaginatively
experience meeting
experience rate
experience religion
experience table
experience vicariously
experienced hand
experiential philosophy
experiment station
experiment upon
experimental animal
experimental design
experimental engineer
experimental engineering
experimental film
experimental logic
experimental medicine
experimental method
experimental proof
experimental psychology
experimental sample
experimental science
experimental scientist
experimental theater
experimental verification
experimenter effect
expert at
expert consultant
expert in
expert in decor
expert rifleman
expert witness
experto credite
expiatory offering
expiatory sacrifice
explain away
explain yourself
explanato-
explanatory remark
explanatory remark
explanatory angle
explication de texte
explications de texte
explicit function
exploded view
exploding star
exploit your position
exploratory examination
exploratory operation
exploratory ship
explorer tent
exploring element
explosion bomb
explosion engine
explosion insurance
explosion shot
explosion wave
explosion-proof
explosive D
explosive bullet
explosive charge
explosive d
explosive noise
explosive rivet
exponent proposition
exponential distribution
exponential horn
export bar
export credit
export declaration
export point
export reject
export tax
expose itself
expose to infamy
expose to view
expose yourself
expose yourself to
exposed nerve
exposed to
exposed to view
exposed-tube boiler
expository prose
expository scene
expository writing
exposure hazard
exposure index
exposure meter
express a wish for
express an opinion
express belief
express boiler
express buggy
express by words
express car
express delivery
express general agreement
express in words
express intention
express letter
express prejudice
express regret
express rifle
express sympathy for
express the belief
express train
express wagon
express your appreciation
expressed almond oil
expressed desire
expression mark
expression of ideas
expressionistic abstraction
expressionistic abstractionist
expulsion fuse
expunge all doubt
exquisite manners
exsanguination transfusion
exsanguino transfusion
extend an invitation
extend credit
extend out
extend over
extend the right of fellowship
extend the right of friendship
extend throughout
extend to
extend to the side
extend to the sides
extended bond
extended complex plane
extended coverage
extended family
extended order
extended play
extended real number system
extended term insurance
extended-play
extending everywhere
extension bit
extension bolt
extension courses
extension field
extension ladder
extension lathe
extension of time
extension phone
extension rule
extension spring
extension table
extension-gap lathe
extensive knowledge
extensive study
extensor thrust
extenuating circumstances
exter-marriage
exterior angle
exterior ballistics
exterior paint
exteriorized protoplasm
exterminate with
external account
external acoustic meatus
external affairs
external angle
external appearance
external auditory meatus
external brake
external capsule
external carotid
external ear
external evidence
external frustration
external hemorrhoid
external iliac artery
external jugular vein
external loan
external relation
external respiration
external secretion
external-combustion
external-combustion engine
externally-quenched counter
extinction coefficient
extinction meter
extortionate demand
extortionate price
extra added attraction
extra cover
extra cover point
extra current
extra dash
extra dividend
extra edition
extra pay
extra point
extra sec
extra time
extra-
extra-acinous
extra-alimentary
extra-ammotic
extra-analogical
extra-anthropic
extra-articular
extra-artistic
extra-atmospheric
extra-axillar
extra-axillary
extraordinary worth
extrapolation ionization chamber
extrasensory perception
extraterrestrial visitor
extratropical cyclone
extrauterine pregnancy
extreme clipper
extreme cold
extreme heat
extreme height
extreme innerness
extreme left
extreme left wing
extreme left-wing
extreme left-winger
extreme limit
extreme right
extreme right wing
extreme right-winger
extreme rightism
extreme temperatures
extreme tension
extreme unction
extremely high frequency
extrinsic evidence
extrinsic factor
extruded plastic
extruding press
extrusive rock
exudation pressure
exudative inflammation
exude cheerfulness
exult in
ey st
ey agate
eye appeal
eye askance
eye bank
eye bath
eye bone
eye cap
eye catcher
eye color
eye defect
eye dialect
eye disease
eye doctor
eye dotter
eye draft
eye drops
eye fold
eye for an eye, an
eye for eye
eye ground
eye hungrily
eye lens
eye liner
eye memory
eye nut
eye of a needle
eye of day
eye of the mind
eye opener
eye patch
eye point
eye rhyme
eye shadow
eye socket
eye speculum
eye splice
eye stub
eye to
eye tube
eye wattle
eye worm
eye-appealing
eye-ball
eye-beam
eye-bedewing
eye-beguiling
eye-bewildering
eye-bewitching
eye-blinking
eye-blurred
eye-bold
eye-bolt
eye-bree
eye-brightening
eye-casting
eye-catcher
eye-catching
eye-charmed
eye-checked
eye-conscious
eye-dazzling
eye-delighting
eye-devouring
eye-distracting
eye-draught
eye-ear plane
eye-ear-nose-throat specialist
eye-earnestly
eye-filling
eye-glass
eye-glutting
eye-lash
eye-lotion
eye-minded
eye-mindedness
eye-offending
eye-opener
eye-opening
eye-overflowing
eye-peep
eye-pit
eye-pleasing
eye-popper
eye-popping
eye-rejoicing
eye-rolling
eye-searing
eye-seen
eye-servant
eye-server
eye-service
eye-shot
eye-sick
eye-splice
eye-spotted
eye-starting
eye-string
eye-tooth
eye-trying
eye-watering
eye-weariness
eye-wink
eye-winking
eye-witness
eye-ball inspection
eye-ball to eye-ball
eye-ball-to-eye-ball
eye-ball-to-eye-ball encounter
eye-brow pencil
eyeglass cloth
eyelet hole
eyelet punch
eyelet-hole
eyepiece micrometer
eyes bigger than the stomach
eyes front
eyes left
eyes only
eyes right
eyes upon
f clef
f layer
f number
f region
f value
f-hole
f-number
f-stop
f1 layer
f2 layer
fa la
fa-la
fable book
fable forger
fable play
fable teller
fable-framing
fabric spring
fabric tire
fabrication tax
fabulous formless darkness
face about
face ague
face angle
face bath
face bone
face bow
face brick
face card
face cards
face chuck
face cleat
face cloth
face cog
face cord
face cover
face cream
face down
face dresser
face dressing
face enamel
face gear
face guard
face hammer
face joint
face lathe
face lifting
face mask
face massage
face milling
face mite
face mold
face molder
face of brass
face out
face pack
face paint
face painter
face painting
face par
face pit
face powder
face presentation
face rouge
face side
face spanner
face specialist
face sponge
face stone
face string
face that would stop a clock
face the music
face to face
face to face with
face to the right-about
face toward
face towel
face up
face up to
face upon
face urn
face validity
face value
face wall
face wheel
face with
face-about
face-ache
face-arbor
face-bedded
face-centered
face-centred
face-harden
face-lift
face-lifting
face-off
face-on
face-saving
face-to-face
faced-lined
faceplate coupling
faceplate jaw
facia board
facial angle
facial appearance
facial expression
facial index
facial massage
facial nerve
facial neuralgia
facial tissue
facies Hippocratica
facies-suite
facile princeps
facilis descensus Averno
facility in writing
facility of speech
facing death
facing distance
facing hammer
facing head
facing lathe
facing sand
facing slip
facing tool
facing-point lock
facing-point switch
facsimile broadcasting
facsimile telegraph
fact distribution
fact of experience
fact of life
fact-finding
factor analysis
factor cost
factor group
factor of adhesion
factor of production
factor of safety
factor theorem
factorial stop system
factory belt
factory burden
factory committee
factory cost
factory district
factory farm
factory ledger
factory lumber
factory manager
factory ship
factory system
factory tar
factory town
factory worker
factory-new
facts and figures
facts of life
factual base
factual information
facultative referendum
faculty adviser
faculty members
faculty psychology
faculty theory
fad word
fade away
fade away from the memory
fade in
fade into the distance
fade like a dream
fade like a shadow
fade out
fade-in
fade-out
fade-proof
faded rose
faery-fair
faery-frail
fag end
fag out
faint-spoken
faint-voiced
faint-warbled
fainting fit
faintly like
faintness of sound
fair and pleasant
fair and square
fair as is the rose in May
fair ball
fair catch
fair copy
fair coquette of Heaven
fair day
fair employment
fair expectation
fair field
fair game
fair green
fair hand
fair housing
fair isle
fair lead
fair list
fair maid
fair name
fair or foul
fair play
fair prospect
fair sex
fair shake
fair stitching
fair to middling
fair trade
fair trader
fair weather
fair whites
fair wind
fair words
fair-born
fair-breasted
fair-browed
fair-cheeked
fair-colored
fair-complexioned
fair-conditioned
fair-copy
fair-days
fair-eyed
fair-faced
fair-favored
fair-featured
fair-fortunated
fair-fronted
fair-haired
fair-haired boy
fair-horned
fair-hued
fair-lead
fair-leader
fair-leading
fair-maid
fair-maned
fair-minded
fair-mindedness
fair-natured
fair-reputed
fair-sized
fair-skinned
fair-sounding
fair-spoken
fair-spokenness
fair-stitch
fair-stitcher
fair-tongued
fair-trade
fair-trade agreement
fair-trade law
fair-trade price
fair-traded
fair-trader
fair-trading
fair-tressed
fair-visaged
fair-water cap
fair-weather
fair-weather cumulus
fair-weather friend
fair-weather sailor
fairbody draft
faire les yeux doux
fairing box
fairly well
fairness doctrine
fairwater cap
fairwater cone
fairy tale
fairy tern
fairy tree
fairy wallflower
fairy wand
fairy water lily
fairy woman
fairy-born
fairy-ring
fairy-ring mushroom
fairy-ring spot
fairy-tale
fait accompli
faits vos jeux
faith cure
faith curer
faith healer
faith healing
faith of our fathers
faith-breaking
faith-confirming
faith-curist
faith-infringing
faith-keeping
faithful copy
faithful friend
faithful love
faithful servant
faithful translation
faits accomplis
fake book
fake buyer
fake out
fake up
faker-out
faking box
fal la
fal-lal
fal-lalary
fal-lalish
fal-lalishly
falcon-beaked
falcon-eyed
falcon-gentle
fald silver
fall a cropper
fall a victim to
fall aboard
fall about
fall across
fall afoul of
fall again into
fall all over
fall all over yourself
fall among
fall army worm
fall asleep
fall aster
fall astern
fall at the feet of
fall at your feet
fall away
fall back
fall back on
fall back to
fall back to prepared positions
fall back upon
fall behind
fall behindhand
fall between two stools
fall block
fall by the wayside
fall chronometer
fall dandelion
fall dead
fall down
fall down before
fall down dead
fall down on the job
fall down on your knees
fall duck
fall due
fall flat
fall flat as a pancake
fall flat on your ass
fall flat on your face
fall flower
fall for
fall foul
fall foul of
fall from grace
fall from the lips
fall from the mouth
fall from your high estate
fall front
fall grape
fall guy
fall head and ears in love
fall head over heels in love
fall headlong
fall herring
fall in
fall in a faint
fall in line
fall in love
fall in price
fall in the way of
fall in together
fall in with
fall into
fall into a brown study
fall into a habit
fall into decay
fall into despair
fall into disrepute
fall into disuse
fall into error
fall into line
fall into oblivion
fall into order
fall into place
fall into rank
fall into raptures
fall into series
fall into your hands
fall lettuce
fall line
fall meadow rue
fall of Adam
fall of day
fall of man
fall of the cards
fall of the curtain
fall of the dice
fall of the leaf
fall of the year
fall off
fall on
fall on deaf ears
fall on evil days
fall on the ear
fall on your ass
fall on your face
fall on your feet
fall on your knees
fall on your knees before
fall on your knees to
fall out
fall over
fall phonometer
fall poison
fall prostrate
fall rope
fall rose
fall senseless
fall short
fall shy
fall silent
fall snipe
fall star grass
fall stillborn
fall through
fall to
fall to a low ebb
fall to dust
fall to loggerheads
fall to one
fall to pieces
fall to the ground
fall to work
fall to your lot
fall to your share
fall under
fall under your notice
fall upon
fall webworm
fall wheat
fall wind
fall’n into the sere
fall-board
fall-down
fall-in
fall-off
fall-out
fall-plow
fall-sow
fall-trap
fallen angel
fallen arch
fallen countenance
fallen from grace
fallen humanity
fallen nature
fallen state
fallen woman
falling action
falling back
falling band
falling barometer
falling diphthong
falling door
falling down and worshiping
falling glass
falling home
falling leaf
falling loosely
falling off
falling rhythm
falling short
falling shy
falling sickness
falling star
falling terminal
falling-away
falling-ball clock
falling-off
falling-out
falling-outs
fallings-out
fallopian tube
fallout shelter
fallow chat
fallow deer
fallow finch
fallow mind
fallow-deer
false Jerusalem cherry
false Solomon’s-seal
false acacia
false air
false alarm
false aloe
false appearance
false arrest
false bedding
false beechdrops
false belief
false bottom
false bread-fruit
false breadfruit
false brome grass  
false buckthorn  
false buffalo grass  
false cadence  
false card  
false cast  
false cheek  
false cirrus  
false claim  
false color  
false coloring  
false colors  
false colours  
false dawn  
false dew  
false dice  
false doctrine  
false echoes  
false economy  
false face  
false foxglove  
false friend  
false front  
false fruit  
false god  
false goldenrod  
false grass  
false guinea grass  
false hair  
false hellebore  
false horizon  
false image  
false imprisonment  
false ipecac  
false keel  
false labor  
false light  
false lily of the valley  
false loosestrife  
false map turtle  
false memory  
false mildew  
false modesty  
false money  
false move  
false music  
false name  
false nettle
false oat
false pains
false piety
false pile
false position
false pretences
false pretence
false pretenses
false pretension
false proscenium
false rafter
false reasoning
false redtop
false relation
false representation
false rib
false ribs
false rice
false ridgepole
false saffron
false shade line
false show
false step
false sunflower
false swearing
false teacher
false teeth
false title
false topaz
false vampire
false vocal cord
false vocal cords
false wheat
false witness
false-bedded
false-boding
false-bottomed
false-card
false-dealing
false-derived
false-eyed
false-face
false-face society
false-faced
false-fingered
false-fronted
false-gotten
false-heart
false-hearted
false-heartedly
false-heartedness
false-mermaid family
false-nerved
false-packed
false-plighted
false-principled
false-purchased
false-spoken
false-sworn
false-tongued
false-visored
false-written
falsehood-free
falsify accounts
famble-crop
fame-achieving
fame-blazed
fame-crowned
fame-ennobled
fame-giving
fame-loving
fame-preserving
fame-seeking
fame-sung
fame-thirsting
fame-thirsty
fame-worthy
familia rustica
familial immunity
familiar as household words
familiar friend
familiar friendship
familiar spirit
familiar tune
familiar with
family Bible
family allowance
family altar
family bible
family circle
family compact
family connection
family contract
family counselor
family court
family doctor
family expense
family fare
family favor
family grouping
family homestead
family income policy
family jewels
family likeness
family living
family maintenance policy
family man
family meeting
family name
family of curves
family party
family physician
family plan
family planning
family relationship
family reunion
family romance
family room
family size
family skeleton
family style
family tie
family training
family tree
family wage
family way
family-conscious
family-fare plan
famine bread
famine fever
famine price
famous person
famous persons
fan Fink truss
fan belt
fan blade
fan blower
fan brake
fan club
fan consonant
fan coral
fan cricket
fan dance
fan dancer
fan-tailed darter
fan-tan
fan-veined
fan-wing fly
fancied up
fancy Dan
fancy ball
fancy clouds where no clouds be
fancy dive
fancy diver
fancy diving
fancy dog
fancy dress
fancy dress ball
fancy geranium
fancy goods
fancy house
fancy lady
fancy man
fancy price
fancy talk
fancy that
fancy trimmer
fancy up
fancy woman
fancy work
fancy-baffled
fancy-blest
fancy-born
fancy-borne
fancy-bred
fancy-built
fancy-caught
fancy-dress ball
fancy-driven
fancy-fed
fancy-feeding
fancy-formed
fancy-framed
fancy-free
fancy-guided
fancy-led
fancy-loose
fancy-raised
fancy-shaped
fancy-stirring
fancy-struck
fancy-stung
fancy-weaving
fancy-woven
fancy-wrought
fandango bird
fang bolt
fanleaf palm
fanning machine
fanning mill
fanning out
fanny adams
fantail joint
fantail stern
fantasize about
fantastic notion
far afield
far ahead
far and away
far and near
far and wide
far away
far be it from me
far cry
far from it
far goer
far gone
far gone on
far horizon
far off
far on
far other
far out
far past
far piece
far point
far seer
far traveler
far-about
far-advanced
far-aloft
far-away
far-back
far-between
far-borne
far-branching
far-called
far-come
far-cost
far-darting
far-discovered
far-distant
far-down
far-downer
far-driven
far-eastern
far-embracing
far-extended
far-extending
far-famed
far-fet
far-fetch
far-fetched
far-flashing
far-flown
far-flung
far-flying
far-foamed
far-forth
far-gleaming
far-going
far-gone
far-heard
far-horizoned
far-looking
far-looming
far-northern
far-off
far-offness
far-out
far-parted
far-passing
far-point
far-projecting
far-ranging
far-reaching
far-reachingness
far-removed
far-resounding
far-seeing
far-seen
far-shooting
far-sight
far-sighted
far-sought
far-sounding
far-southern
far-spread
far-spreading
far-stretched
far-stretching
far-traveled
far-western
faradic electricity
farce comedy
fancy bud
fancy button
fancy pipe
fardel-bound
fare forth
fare well
fare-free
fare-thee-well
fare-yo-well
fare-you-well
farewell performance
farewell-summer
farewell-to-spring
farfetched story
farinaceous plant
farm belt
farm bloc
farm bureau
farm club
farm country
farm economics
farm economy
farm elevator
farm hand
farm interests
farm laborer
farm level
farm loan association
farm loan bank
farm loan bond
farm machine
farm machinery
farm management
farm manager
farm out
farm pond
farm team
farm tractor
farm-bred
farm-engro
farm-house
farm-stead
farm-yard
farmer cheese
farmer drill
farmer in the dell
farmer's lung
farmer-general
farmer-generalship
farmers cooperative
farmers-general
farmhouse loaf
faro bank
faro banker
fart around
farthest bound
farthest off
farthest out
farthest outpost
farthing dip
farthingale chair
farting around
fascia board
fascinated attention
fascine choker
fashion book
fashion designer
fashion gray
fashion house
fashion piece
fashion plate
fashion plate stem
fashion show
fashion writer
fashion-fancying
fashion-fettered
fashion-following
fashion-led
fashion-monger
fashion-setting
fashionable society
fashioning needle
fast and loose
fast asleep
fast boat
fast break
fast by
fast day
fast deal
fast dye
fast food
fast freight line
fast friend
fast friendship
fast groove
fast motion
fast neutron
fast one
fast pace
fast pile
fast rate
fast reactor
fast spiral
fast talk
fast telegram
fast time
fast worker
fast-anchored
fast-bound
fast-breaking
fast-breeder reactor
fast-cleaving
fast-darkening
fast-dye
fast-dyed
fast-fading
fast-falling
fast-feeding
fast-fettered
fast-fleeting
fast-flowing
fast-food chain
fast-footed
fast-gathering
fast-grounded
fast-growing
fast-handed
fast-joint hinge
fast-knit
fast-mass
fast-moving
fast-plighted
fast-rooted
fast-rootedness
fast-running
fast-sailing
fast-settled
fast-stepping
fast-talk
fast-tied
fasten a quarrel on
fasten down
fasten itself on the mind
fasten on
fasten onto
fasten the eyes upon
fasten up
fasten upon
fasten yourself upon
fastening-penny
fastens-een
faster than sound
fastidious person
fat acid
fat as a fool
fat as a hog
fat as a pig
fat as a pork hog
fat as a porpoise
fat as a quail
fat as bacon
fat as brawn
fat as butter
fat back
fat box
fat cat
fat cell
fat chance
fat corpuscle
fat depot
fat gland
fat granule
fat heart
fat hen
fat liquor
fat man
fat mouse
fat of the land
fat oil
fat part
fat pork
fat purse
fat series
fat stock
fat-assed
fat-backed
fat-barked
fat-bellied
fat-bodied
fat-cheeked
fat-choy
fat-edged
fat-engendering
fat-faced
fat-faced type
fat-fed
fat-fleshed
fat-free
fat-head
fat-hen
fat-hipped
fat-legged
fat-necrosis
fat-paunched
fat-reducing
fat-rumped sheep
fat-shunning
fat-soluble
fat-tailed
fat-tailed sheep
fat-witted
fata morgana
fatal accident
fatal blow
fatal hour
fatal-boding
fatal-looking
fatal-plotted
fatal-seeming
fate line
fate worse than death
fate-bowed
fate-denouncing
fate-dogged
fate-environed
fate-foretelling
fate-furrowed
fate-menaced
fate-scomning
fate-stricken
fateful moment
fathead minnow
father abbot
father christmas
father complex
father confessor
father family
father figure
father fixation
father image
father in Christ
father jesuit
father lasher
father longlegs
father love
father of the chapel
father right
father rule
father sib
father superior
father surrogate
father symbol
father upon
father's day
father-confessor
father-in-law
father-lasher
father-long-legs
fathers-in-law
fathom-deep
fatigue call
fatigue cap
fatigue clothes
fatigue curve
fatigue disease
fatigue dress
fatigue duty
fatigue life
fatigue limit
fatigue party
fatigue ratio
fatten on
fatten up
fatten upon
fattening grass
fatti maschii
fatty acid
fatty degeneration
fatty heart
fatty oil
fatty tumor
faucet joint
fault bar
fault block
fault breccia
fault conglomerate
fault current
fault lamp
fault line
fault localizer
fault plane
fault rock
fault rubble
fault scarp
fault surface
fault terrace
fault vent
fault-find
fault-finding
fault-line scarp
fault-slip
faulty comparison
faulty coordination
faulty eyesight
faulty grammar
faulty punctuation
faulty reference
faulty subordination
faulty syntax
faun-colored
faunus butterfly
fause-house
faute de mieux
faux jour
faux pas
faux rondelette
faux-bourdon
faux-na
fava bean
favor with
favorable attention
favorable disposition
favorable opportunity
favorable prospect
favorable regard
favorable vote
favorable wind
favorably disposed
favorably impressed with
favorably inclined
favoring wind
favorite of the gods
favorite son
favors of office
fawn brown
fawn lily
fawn upon
fawn-color
fawn-colored
fawn-colour
faying surface
fear God
fear and trembling
fear holding on a minute longer
fear into the heart of
fear of God
fear that has said its prayers
fear-babe
fear-broken
fear-created
fear-depressed
fear-free
fear-froze
fear-inspiring
fear-palsied
fear-pursued
fear-shaken
fear-stricken
fear-struck
fear-tangled
fear-taught
fearsome-looking
feast and famine
feast day
feast of the soul
feast on
feast upon
feast-or-famine
feather alum
feather an oar
feather ball
feather banding
feather beater
feather bed
feather bleacher
feather boa
feather boarding
feather bolster
feather bonnet
feather brush
feather cleanser
feather cloth
feather columbine
feather crotch
feather curler
feather dresser
feather drier
feather driver
feather duster
feather dyer
feather fan
feather fern
feather finisher
feather geranium
feather grass
feather hyacinth
feather in your cap
feather joint
feather key
feather mail
feather maker
feather making
feather mattress
feather merchant
feather mosaic
feather moss
feather ore
feather out
feather palm
feather part
feather picker
feather pillow
feather pink
feather plume
feather poke
feather renovator
feather scrape
feather sewer
feather shot
feather spring
feather staccato
feather star
feather steamer
feather tick
feather tip
feather tract
feather tree
feather trimmer
feather type
feather valve
feather worm
feather your nest
feather'd rain
feather-bed
feather-covered
feather-duster worm
feather-edge
feather-fleece
feather-footed
feather-head
feather-heeled
feather-leaved
feather-legged
feather-stitch
feather-tail glider
feather-tongue
feather-veined
feather-weight
feather-weighted
feather-work
featherbed rule
feathered songster
featheredge file
feathering float
feathering paddle wheel
feathering screw
featherleaf cedar
feathertail glider
feathertop grass
feature attraction
feature editor
feature story
feature-length
feature-writing
febri-
febrifuge plant
fed to the gills
fed to the teeth
fed up
fed-up
fed-upedness
fed-upness
federal agent
federal assembly
federal district
federal government
federal home loan bank
federal intermediate credit bank
federal land bank
federal medicine
federal prison
federal reserve bank
federal tax
federated church
fee farm
fee farmer
fee fief
fee grief
fee position
fee simple
fee simple absolute
fee simple conditional
fee simple defeasible
fee simple determinable
fee splitting
fee tail
fee-farm
fee-faw-fum
fee-simple
fee-splitter
fee-splitting
fee-tail
feeble person
feeble-bodied
feeble-eyed
feeble-lunged
feeble-minded
feeble-mindedly
feeble-mindedness
feeble-voiced
feeble-winged
feeble-wit
feed bag
feed boiler
feed case
feed cooker
feed crusher
feed cutter
feed gear
feed grinder
feed guide
feed hand
feed heater
feed heating
feed hopper
feed line
feed lot
feed mill
feed mixer
feed motion
feed on
feed packer
feed pipe
feed plate
feed pump
feed rack
feed reel
feed rod
feed roll
feed screw
feed stable
feed store
feed tank
feed the fire
feed the fish
feed trough
feed truck
feed tube
feed upon
feed valve
feed water
feed wheat
feed wheel
feed wire
feed-and-reflector unit
feed-back coil
feed-water heater
feedback amplifier
feedback circuit
feedback conductance
feedback control
feedback inhibition
feedback loop
feedback pulses
feedback signals
feedback system engineer
feedback system engineering
feeder airline
feeder cable
feeder ear
feeder line
feeder plant
feeder reactor
feeder road
feeder-in
feeder-up
feeding bottle
feeding cup
feeding head
feeding point
feeding rod
feeding root
feeding standard
feeding market
feel about it
feel acutely
feel anxious
feel around
feel ashamed of yourself
feel at home
feel at liberty
feel awful
feel better about it
feel cheap
feel confident
feel contempt for
feel creepy
feel deeply
feel disgust
feel easy
feel emotion
feel fine
feel for
feel free
feel funny
feel good
feel happy
feel hungry
feel hurt
feel ill
feel in your bones
feel in your breast
feel in your guts
feel in your viscera
feel intuitively
feel like
feel like a million
feel like the walking dead
feel like yourself
feel no obligation
feel of
feel out
feel pain
feel relief
feel resentment
feel small
feel something terrible
feel sore
feel sorrow for
feel sorry for
feel superior to
feel sure
feel the pangs
feel the pulse
feel the want of
feel under an obligation
feel under the weather
feel unsure
feel up
feel up to
feel with
feel with the fingertips
feel your ground
feel your oats
feel your way
feel yourself
feel yourself again
feeler gauge
feeling awful
feeling cold
feeling evil
feeling faint
feeling for
feeling for language
feeling for words
feeling in your bones
feeling low
feeling of identity
feeling of kinship
feeling of relief
feeling out
feeling something terrible
feeling the pinch
feeling tone
feeling your oats
feery-fary
feet first
feet foremost
feet of clay
feg Dialect
feigned belief
feline agranulocytosis
feline distemper
feline enteritis
fell-fare
fell-field
fell-land
felling wedge
fellow actor
fellow american
fellow apprentice
fellow being
fellow boarder
fellow captive
fellow caucasian
fellow christian
fellow citizen
fellow collegian
fellow commoner
fellow communicant
fellow companion
fellow conspirator
fellow convict
fellow countryman
fellow craftsman
fellow creature
fellow criminal
fellow delegate
fellow disciple
fellow emigrant
fellow employee
fellow exile
fellow explorer
fellow feeling
fellow feeling in suffering
fellow guest
fellow heir
fellow helper
fellow idler
fellow immigrant
fellow laborer
fellow listener
fellow lodger
fellow man
fellow member
fellow mortal
fellow passenger
fellow patriot
fellow pedestrian
fellow plotter
fellow prisoner
fellow pupil
fellow servant
fellow sinner
fellow soldier
fellow student
fellow sufferer
fellow townsman
fellow traveler
fellow traveller
fellow tribesman
fellow victim
fellow villager
fellow worker
fellow workman
fellow worshiper
fellow-commoner
fellow-creature
fellow-feel
fellow-feeling
fellow-heir
fellow-man
fellow-men
fellow-servant rule
fellow-soldier
fellowship porter
felo de se
felo-de-se
felon grass
felon herb
felones-de-se
felony murder
felos-de-se
felsite-porphyry
felt conditioner
felt cutter
felt dauber
felt drier
felt fern
felt former
felt fuller
felt grain
felt hat
felt knife
felt maker
felt oiler
felt packer
felt roller
felt roofer
felt roofing
felt rust
felt sewer
felt side
felt washer
felt weaver
felt worker
felt-jacketed
felt-lined
felt-shod
felt-tip pen
female animal
female being
female gamete
female impersonator
female line
female organ
female organs
female rhyme
female sex
female suffrage
feme covert
feme sole
feme-sole merchant
feme-sole trader
femes covert
femes sole
feminine cadence
feminine caesura
feminine ending
feminine rhyme
feminist therapy
femme de chambre
femme fatale
femmes de chambre
femmes fatales
femoral artery
femto-
fen cress
fen duck
fender bar
fender beam
fender bolt
fender boom
fender pile
fender post
fender skid
fender spar
fender stool
fender wall
fenestration operation
fennel giant
fennel oil
fennel seed
fennel water
fennel-leaved
fer-de-lance
fer-de-moline
ferae naturae
feriae jova
ferling-noble
fermentation alcohol
fermentation gum
fermentation lock
fermentation tube
fern ally
fern asparagus
fern ball
fern bracken
fern bush
fern clubmoss
fern covert
fern cycad
fern green
fern hook
fern meadowbur
fern moss
fern owl
fern palm
fern preserver
fern scale
fern scrub
fern seed
fern tree
fern weevil
fern-clad
fern-crowned
fern-fringed
fern-leaved
fern-owl
fern-seed
fern-thatched
ferret badger
ferret out
ferret-badger
ferret-eyed
ferretto zone
ferri-
ferric ammonium oxalate
ferric chloride
ferric dimethyldithiocarbamate
ferric oxide
ferric sodium oxalate
ferricyanic acid
ferris wheel
ferrite-rod aerial
ferro-
ferro-carbon-titanium
ferro-concrete
ferro-uranium
ferrocyanic acid
ferroso-
ferrotype tin
ferrous oxide
ferrous sulfate
ferrous sulphate
ferruginous duck
ferry bell
ferry bridge
ferry captain
ferry car
ferry craft
ferry incline
ferry master
ferry pole
ferry rack
ferry rocket
ferry slip
ferry steamer
ferry ticket
ferry warden
ferry-boat
fertile imagination
fertile material
fertile mind
fertile-flowered
fertile-fresh
fertile-headed
fertility cult
fertility god
fertility goddess
fertility spirit
fertility symbol
fertilization cone
fertilization tube
fertilizer ammonia
fertilizer chemical
fertilizer crusher
fertilizer distributor
fertilizer divider
fertilizer drill
fertilizer hand
fertilizer maker
fertilizer making
fertilizer meal
fertilizer mill
fertilizer mixer
fertilizer phosphate
fertilizer plant
fertilizer press
fertilizer sampler
fertilizer spreader
fertilizer tank
fertilizer-crushing
fervent hope
fervent imagination
fescue grass
fess point
fess up
fesse point
festal board
festina lente
festival day
festival of lights
festive occasion
festoon cloud
festoon lighting
festoon pine
festooned pahoehoe
fetal diagnosis
fetal position
fetch a blow
fetch about
fetch and carry
fetch away
fetch breath
fetch candle
fetch down
fetch headway
fetch rod
fetch sternway
fetch up
fetch up all standing
fetch up at
fetch-
fetch-candle
fetch-light
fetched-on
fetching-up
fete champetre
fete day
fete-champetre
feti-
fetid air
fetlock joint
fetlock-deep
fetter bone
feu annual
feu charter
feu d'artifice
feu de joie
feu duty
feu farm
feu farmer
feu-farm
feudal estate
feudal investiture
feudal system
feuille-morte
feux d'artifice
feux de joie
fever bark
fever bird
fever blister
fever chart
fever curve
fever flash
fever fly
fever heat
fever of excitement
fever pill
fever pitch
fever plant
fever reducer
fever sore
fever therapy
fever thermometer
fever treatment
fever tree
fever twig
fever ward
fever-cooling
fever-destroying
fever-haunted
fever-lurden
fever-maddened
fever-reducer
fever-ridden
fever-shaken
fever-sick
fever-smitten
fever-stricken
fever-troubled
fever-warm
fever-weakened
few and far between
glass, a
glass-accred
glass-celled
glass-flowered
glass-flowered oat grass
glass-fruited
glass-seeded
glass-toothed
fiat justitia ruat caelum
fiat lux
fiat money
fibble-fable
fiber boilerman
fiber bundle
fiber carder
fiber comber
fiber crimper
fiber drafter
fiber dresser
fiber filler
fiber glass
fiber graphite
fiber hackler
fiber mixer
fiber optics
fiber plant
fiber plaster
fiber saturation point
fiber sorter
fiber stitch
fiber turner
fiber wax
fiber-faced
fiber-glass boat
fiber-shaped
fible-fable
fibr-
fibre optics
fibrin ferment
fibrino-
fibrinous pneumonia
fibro-
fibro-osteoma
fibroid heart
fibroid inflammation
fibroid phthisis
fibrous grass
fibrous-coated
fibrous-rooted
fickle Chance
fickle finger of fate
fickle-fancied
fickle-headed
fickle-minded
fickle-mindedly
fickle-mindedness
fiction of the mind
fictional form
fictitious name
fictitious person
fid hole
fiddle away
fiddle back
fiddle beetle
fiddle block
fiddle bow
fiddle brace back
fiddle case
fiddle dock
fiddle flower
fiddle head
fiddle maker
fiddle making
fiddle pattern
fiddle with
fiddle-back
fiddle-brained
fiddle-de-dee
fiddle-faced
fiddle-faddle
fiddle-faddled
fiddle-faddler
fiddle-faddling
fiddle-flanked
fiddle-head
fiddle-lipped
fiddle-neck
fiddle-scraping
fiddle-shaped
fiddle-string
fiddle-waist
fiddleback chasuble
fiddler crab
fiddler duck
fiddley house
fiddley opening
fidei-commissum
fideicommissary heir
fidelity bond
fidelity insurance
fidget with
fiduciary bond
fiduciary heir
fiduciary issue
fidus Achates
fie-fie
field armor
field army
field arrow
field artillery
field ash
field bag
field balm
field balsam
field basil
field battery
field bean
field bed
field bee
field beet
field ice
field intensity
field ion microscope
field jacket
field judge
field kale
field kitchen
field lark
field larkspur
field lens
field lily
field line
field madder
field magnet
field maneuver
field marigold
field mark
field marshal
field martin
field master
field meeting
field milkwort
field mint
field mouse
field mushroom
field music
field nigelweed
field night
field oak
field of battle
field of blood
field of bloodshed
field of force
field of fractions
field of honor
field of honour
field of inquiry
field of quotients
field of slaughter
field of study
field of view
field of vision
field officer
field order
field park
field pea
field penny-cress
field pine
field woundwort
field yam-root
field-bed
field-book
field-control converter
field-controlled
field-conventicle
field-conventicler
field-cornet
field-cornetcy
field-day
field-discharge switch
field-effect transistor
field-emission X-ray tube
field-glass
field-holler
field-marsh
field-meeting
field-strength meter
field-strip
field-stripped
field-stripping
field-stript
field-transfer switch
field-work
fielded panel
fielder's choice
fielding average
fields of Aalu
fiend from hell
fierce temper
fierce-eyed
fierce-faced
fierce-looking
fierce-minded
fierce-natured
fieri facias
fiery cross
fiery furnace
fiery imagination
fiery ordeal
fiery temper
fiery-bright
fiery-cross
fiery-crowned
fiery-eyed
fiery-faced
fiery-fierce
fiery-flaming
fiery-footed
fiery-helmed
fiery-hoofed
fiery-hot
fiery-kindled
fiery-liquid
fiery-mouthed
fiery-pointed
fiery-rash
fiery-seeming
fiery-shining
fiery-spangled
fiery-sparkling
fiery-spirited
fiery-sworded
fiery-tempered
fiery-tressed
fiery-twinkling
fiery-veined
fiery-visaged
fiery-wheeled
fiery-winged
fiesta de toros
fiesta flower
fiesta taurina
fiestas de toros
fiestas taurinas
fife rail
fife-rail
fifteen-pounder
fifth column
fifth columnist
fifth monarchy
fifth position
fifth venereal disease
fifth wheel
fifth-column
fifth-column activity
fifty cents
fifty percent
fifty-acre
fifty-dollar bill
fifty-eight
fifty-eighth
fifty-fifth
fifty-fifty
fifty-first
fifty-five
fifty-four
fifty-fourth
fifty-mile
fifty-nine
fifty-ninth
fifty-one
fifty-second
fifty-seven
fifty-seventh
fifty-six
fifty-sixth
fifty-third
fifty-three
fifty-two
fifty-year
fifty-fifty
fig banana
fig bar
fig bean
fig dust
fig faun
fig finch
fig insect
fig leaf
fig marigold
fig moth
fig out
fig parrot
fig paste
fig soap
fig up
fig wart
fig wasp
fig wax
fig-bird
fig-leaf
fig-shaped
fig-tree
fig-tree wax
fig-wort
figaro sauce
fige de froid
fight a delaying action
fight a duel
fight a holding action
fight against
fight fire with fire
fight for
fight hand-to-hand
fight it out
fight like devils
fight off
fight over
fight shy
fight shy of
fight the good fight
fight the good fight for
fight to the death
fight to the last ditch
fight tooth and nail
fight with
fight with windmills
fight your battles over again
fight your way
fight-off
fighter pilot
fighter-bomber
fighter-interceptor
fighting chair
fighting chance
fighting cock
fighting fish
fighting force
fighting machine
fighting mad
fighting man
fighting ship
fighting top
fighting weight
fights, the
figment of the imagination
figurate number
figurative language
figuratively speaking
figure caster
figure dance
figure dancer
figure eight
figure in
figure of comparison
figure of eight
figure of fun
figure of speech
figure on
figure out
figure skate
figure skater
figure skates
figure skating
figure stone
figure to yourself
figure up
figure work
figure-caster
figure-flinger
figure-four trap
figure-ground
figure-head
figure-of-eight knot
figured bass
figured glass
figured style
figures of
figures of speech
figuring in the mind
figwort family
filament battery
filament lamp
filamentary transistor
filbert brown
filbert mouse
file a claim
file and forget
file away
file band
file bottom
file card
file cleaner
file clerk
file closer
file cutter
file dresser
file dust
file finishing
file fire
file firing
file folder
file for
file forger
file grinder
file leader
file maker
file off
file setter
file sharpener
file signal
file snake
file suit for divorce
file tempering
file-fish
file-hard
file-soft
filet lace
filet mignon
filets mignons
fili-
filial generation
filial love
filiate to
filing box
filing card
filing case
filing clerk
filing system
filius nullius
filius populi
filix-mas
fill an office
fill and stand on
fill away
fill cap
fill horse
fill in
fill in for
fill out
fill the air
fill the bill
fill the measure of
fill the mind
fill time
fill to overflowing
fill to the brim
fill up
fill with doubt
fill you in
fill your pockets
fill your shoes
fill-belly
fill-dike
fill-in
fill-paunch
fill-space
fill-up
fille d'honneur
fille de chambre
fille de joie
filled gold
filled milk
filled out
filled to overflowing
filled-system thermometer
filler cap
filler vase
filler wall
filler-in
filler-out
filler-up
filles d'honneur
filles de chambre
filles de joie
fillet cross
fillet head
fillet steak
fillet weld
filletster plane
filli-
filling knitting
filling station
fillister head
fillister plane
fillister screwhead
filly tail
filly-folly
film base
film camera
film caption
film case
film clip
film color
film cutter
film data
film developer
film editor
film evaporator
film exposure
film fern
film gate
film gatefilm gauge
film joiner
film library
film maker
film pack
film paper
film pickup
film play
film printer
film production
film rating
film recorder
film repairer
film sizing
film speed
film star
film strip
film studio
film window
film-eyed
film-free
film-struck
filmy fern
filmy-eyed
filo-
filter bed
filter candle
filter center
filter factor
filter flask
filter in
filter leaf
filter out
filter paper
filter passer
filter plate
filter press
filter pump
filter tip
filter-passing
filter-tipped
filterable virus
filtering flask
filth disease
filth ferment
filth receptacle
filth-borne
filth-created
filth-fed
filth-sodden
filthy humor
filthy language
filthy lucre
filthy person
filthy place
filthy rich
filthy weed
filthy-handed
filum aquae
fin boom
fin colter
fin cutter
fin de siecle
fin fold
fin keel
fin ray
fin whale
fin-backed
fin-fold theory
fin-footed
fin-shaped
fin-spined
fin-stabilized rocket
fin-tailed
fin-toed
fin-winged
final cause
final draft
final examination
final extremity
final hour
final instructions
final lot
final notice
final offer
final proposal
final result
final solution
final stroke
final summons
final touch
final twitch
final warning
final whistle
final words
finance bill
finance capitalism
finance capitalist
finance company
finance corporation
financial assistance
financial backing
financial commitment
financial condition
financial credit
financial crisis
financial district
financial expert
financial interests
financial officer
financial remuneration
financial support
financial year
finback whale
finch falcon
finch-backed
find a clue to
find a husband for
find a loophole
find a mate for
find a phrase for
find a way
find a wife for
find against
find an indictment against
find an opening
find credence
find fault
find favor
find favor with
find for
find guilty
find hard to believe
find herself
find it hard going
find means
find out
find out about
find refuge
find sanctuary
find the answer
find the key of
find the key to
find the solution
find time
find vent
find words to express
find your
find your account in
find your advantage in
find your heart
find your position
find your tongue
find your way into
find yourself
find yourself at
finder switch
finder telescope
finder-point punch
finding list
finding out
finding store
finding-out
fine Italian hand
fine and dandy
fine art
fine art of living
fine arts
fine chemicals
fine distinction
fine feather
fine fettle
fine flavor
fine gentleman
fine hand
fine how-do-you-do
fine kettle of fish
fine lady
fine linen
fine nail
fine palate
fine point
fine print
fine print at the bottom
fine sewer
fine shape
fine structure
fine talk
fine texture
fine whack
fine writer
fine writing
fine-appearing
fine-ax
fine-bore
fine-bred
fine-count
fine-cut
fine-dividing
fine-draw
fine-drawer
fine-drawing
fine-drawn
fine-dressed
fine-drew
fine-eyed
fine-feathered
fine-featured
fine-feeling
fine-fleeced
fine-furred
fine-graded
fine-grain
fine-grained
fine-grainedness
fine-haired
fine-headed
fine-leaved
fine-leaved heath
fine-looking
fine-mouthed
fine-nosed
fine-set
fine-sifted
fine-skinned
fine-spirited
fine-spoken
fine-spun
fine-still
fine-tapering
fine-threaded
fine-timbered
fine-toned
fine-tongued
fine-tooth
fine-tooth comb
fine-tooth-comb
fine-toothcomb
fine-toothed
fine-toothed comb
fine-tricked
fine-wrought
fineness of grain
fineness ratio
finer feelings
finery furnace
finery hearth
fines herbes
finger alphabet
finger bar
finger board
finger bowl
finger brush
finger clamp
finger coral
finger cutting
finger cymbals
finger exercise
finger fern
finger food
finger fracture
finger gate
finger gauge
finger grass
finger grip
finger guard
finger herb
finger hole
finger joint
finger lake
finger lime
finger man
finger mark
finger nut
finger of death
finger or two
finger paint
finger painter
finger painting
finger patch
finger pillory
finger plate
finger post
finger reading
finger ring
finger shell
finger sponge
finger steel
finger tight
finger wave
finger with
finger's breadth
finger's width
finger-ache
finger-and-toe
finger-comb
finger-comb grass
finger-cone
finger-cone pine
finger-cut
finger-end
finger-foxed
finger-marked
finger-paint
finger-pointing
finger-post
finger-shaped
finger-stall
finger-stone
fingers all thumbs
fingertip caress
fingertip coat
fingle-fangle
finis coronat opus
finish in front
finish off
finish up
finish-bore
finish-cut
finish-form
finish-grind
finish-machine
finish-mill
finish-plane
finish-ream
finish-shape
finish-stock
finish-stock change
finish-turn
finished up
finished version
finisher card
finishing change
finishing chisel
finishing nail
finishing school
finishing stove
finishing stroke
finishing tap
finishing touch
finite intersection property
finite number
finite verb
finite-dimensional
finitely additive function
fink out
finnan haddie
finnan haddock
finno-ugric
fippenny bit
fippenny piece
fipple flute
fipple pipe
fir apple
fir ball
fir balsam
fir club moss
fir cone
fir green
fir moss
fir needle
fir parrot
fir pine
fir rape
fir rope
fir wood
fir wool
fir-bordered
fir-built
fir-crested
fir-scented
fir-topped
fir-tree
fire a salute
fire a shot at
fire a volley
fire adjuster
fire alarm
fire altar
fire and brimstone
fire and fury
fire ant
fire apparatus
fire appliance
fire area
fire arrow
fire assay
fire at
fire away
fire balloon
fire bar
fire barrel
fire barrier
fire basket
fire bay
fire bean
fire beater
fire bed
fire beetle
fire bell
fire belt
fire bill
fire blast
fire blight
fire block
fire blower
fire bomb
fire boss
fire break
fire breather
fire bridge
fire brigade
fire bucket
fire buff
fire builder
fire bush
fire cage
fire chamber
fire cherry
fire chief
fire churn
fire clay
fire cock
fire command
fire commander
fire company
fire control
fire cross
fire curtain
fire cut
fire cutoff
fire dance
fire department
fire direction
fire division wall
fire door
fire drill
fire drilling
fire effect
fire engine
fire escape
fire exit
fire extinguisher
fire fan
fire festival
fire fiend
fire fight
fire fighter
fire fighting
fire finch
fire finder
fire flag
fire fungus
fire gilding
fire gilt
fire gilting
fire glass
fire gong
fire grass
fire grate
fire hangbird
fire hat
fire hazard
fire hearth
fire hook
fire hose
fire hydrant
fire inspector
fire insurance
fire iron
fire irons
fire kiln
fire ladder
fire lane
fire lily
fire line
fire loss
fire main
fire maker
fire making
fire mark
fire marshal
fire mist
fire net
fire of demolition
fire of genius
fire off
fire office
fire opal
fire pail
fire patrol
fire patrolman
fire pike
fire pink
fire pit
fire plant
fire point
fire police
fire polishing
fire pot
fire power
fire prevention
fire quencher
fire raft
fire raid
fire raiser
fire red
fire red toner
fire reel
fire resistance
fire retardant
fire retarder
fire risk
fire room
fire root
fire salamander
fire sale
fire salvage
fire sand
fire saw
fire scarlet
fire screen
fire set
fire setting
fire ship
fire shovel
fire shutter
fire slash
fire spirit
fire station
fire step
fire stick
fire stink
fire stop
fire storm
fire support
fire swab
fire tactics
fire temple
fire test
fire the blood
fire thorn
fire tongs
fire tower
fire tree
fire trench
fire tube
fire underwriter
fire up
fire upon
fire walk
fire walking
fire wall
fire warden
fire watcher
fire weather
fire window
fire worker
fire worship
fire worshiper
fire your imagination
fire-
fire-and-brimstone
fire-angry
fire-arm
fire-backed pheasant
fire-ball
fire-baptized
fire-bearing
fire-bellied
fire-bird
fire-boot
fire-born
fire-box
fire-brand
fire-breathing
fire-breeding
fire-burning
fire-burnt
fire-chaser
fire-clad
fire-cracked
fire-crested
fire-cross
fire-crowned
fire-cure
fire-cured
fire-curing
fire-damp
fire-darting
fire-detecting
fire-drake
fire-eater
fire-eating
fire-endurance
fire-endurance test
fire-engine
fire-exit bolt
fire-extinguisher
fire-extinguishing
fire-eyed
fire-fang
fire-flaught
fire-float
fire-flowing
fire-fly
fire-foaming
fire-footed
fire-free
fire-gilded
fire-god
fire-hardened
fire-hoofed
fire-hook
fire-hot
fire-hunt
fire-hunting
fire-iron
fire-leaves
fire-light
fire-lighted
fire-lilies
fire-lily
fire-lipped
fire-marked
fire-master
fire-mouthed
fire-new
fire-pan
fire-pitted
fire-place
fire-plow
fire-polish
fire-pot
fire-proof
fire-protection engineer
fire-quenching
fire-raiser
fire-raising
fire-red
fire-resistant
fire-resistant material
fire-resisting
fire-resisting material
fire-resistive
fire-resistive material
fire-retardant
fire-retardant material
fire-retarded
fire-ring
fire-robbed
fire-safeness
fire-scarred
fire-scathed
fire-screen
fire-seamed
fire-ship
fire-souled
fire-spirited
fire-spitting
fire-sprinkling
fire-stone
fire-strong
fire-swart
fire-swift
fire-tailed
fire-tight
fire-tube boiler
fire-warmed
fire-wheeled
fire-winged
fire-work
fire-worker
fireburn bush
firecracker flower
fireless cooker
fireless heater
fireplace fitter
fireproof material
fireworks rocket
firing area
firing battery
firing charge
firing data
firing glass
firing iron
firing line
firing order
firing party
firing pin
firing ring
firing squad
firing step
firing table
firing test
firing tread
firing tube
firm as Gibraltar
firm belief
firm friendship
firm ground
firm hand
firm hold
firm price
firm resolve
firm up
firm-based
firm-braced
firm-chinned
firm-compacted
firm-footed
firm-framed
firm-jawed
firm-joint
firm-minded
firm-nerved
firm-paced
firm-planted
firm-rooted
firm-set
firm-sinewed
firm-textured
firm-written
firmament blue
firmer chisel
firmer gouge
firmly established
firmness of mind
firmness of spirit
firred plywood
first aid
first among equals
first and foremost
first and last
first appearance
first approach
first arrival
first axiom of countability
first base
first baseman
first blush
first blush of the morning
first brightening
first category
first cause
first choice
first class
first comer
first cousin
first crack
first crack out of the box
first derivative
first derived curve
first division
first draft
first edition
first estate
first family
first floor
first flush of the morning
first fruits
first glance
first hand
first harmonic
first impression
first inning
first intention
first lady
first lap
first law of motion
first law of thermodynamics
first lieutenant
first light
first line
first line of battle
first line of defense
first main track
first mate
first mortgage
first mortgage bond
first motion
first move
first name
first night
first of all
first off
first offender
first officer
first option
first or last
first order
first paper
first papers
first person
first philosophy
first place
first position
first post
first principle
first principles
first prize
first quarter
first rate
first reader
first reading
first refusal
first round
first school
first sergeant
first sight
first speed
first stage
first step
first steps
first stomach
first stone
first story
first string
first team
first thing
first tragedian
first violinist
first water
first-aid
first-aider
first-begot
first-begotten
first-born
first-bred
first-built
first-cause argument
first-chop
first-class
first-class mail
first-conceived
first-created
first-day
first-day cover
first-degree burn
first-done
first-endeavoring
first-expressed
first-famed
first-floor
first-foot
first-footer
first-formed
first-found
first-framed
first-fruit
first-gendered
first-generation
first-gotten
first-grown
first-hand
first-in
first-in first-out
first-invented
first-known
first-line
first-loved
first-made
first-mentioned
first-mining
first-mortgage
first-mortgage bond
fish eggs
fish essence
fish eye
fish factory
fish flake
fish flour
fish fly
fish for
fish for compliments
fish fork
fish fry
fish fungus
fish geranium
fish globe
fish glue
fish grass
fish guano
fish hatcher
fish hatchery
fish hawk
fish in troubled waters
fish inspector
fish joint
fish kettle
fish killer
fish knife
fish ladder
fish lead
fish louse
fish manure
fish maw
fish meal
fish mint
fish mold
fish moth
fish net
fish oil
fish or cut bait
fish out
fish out of water
fish owl
fish pearl
fish pendant
fish plank
fish poison
fish pole
fish pomace
fish salt
fish scale
fish scrap
fish slice
fish soup
fish splice
fish stick
fish story
fish tackle
fish tail
fish tape
fish tapeworm
fish to fry
fish tongue
fish torpedo
fish up
fish warden
fish wheel
fish wire
fish young
fish-and-chip shop
fish-and-chips
fish-backed
fish-bellied
fish-belly rail
fish-blooded
fish-canning
fish-cultural
fish-culturist
fish-day
fish-eating
fish-eating bird
fish-eye lens
fish-eyed
fish-fag
fish-fed
fish-feeding
fish-flaking
fish-gig
fish-god
fish-goddess
fish-hatching
fish-hook
fish-producing
fish-scale
fish-scaling
fish-selling
fish-shaped
fish-skin
fish-slitting  
fish-tail  
fishbone thistle  
fishbone tree  
fisher-cat  
fisherman's bend  
fisherman's reef  
fisherman's ring  
fisherman's staysail  
fisherman's sweater  
fishery salt  
fisheye lens  
fishhook cactus  
fishhook money  
fishing banks  
fishing boat  
fishing breeze  
fishing cat  
fishing club  
fishing craft  
fishing dory  
fishing duck  
fishing expedition  
fishing fleet  
fishing float  
fishing gear  
fishing ground  
fishing hook  
fishing license  
fishing line  
fishing net  
fishing pole  
fishing question  
fishing reel  
fishing rod  
fishing schooner  
fishing smack  
fishing spear  
fishing tackle  
fishing vessel  
fishing worm  
fishskin disease  
fishtail bit  
fishtail burner  
fishtail cutter  
fishtail down  
fishtail drapery  
fishtail landing
fishtail palm
fishtail wind
fishtail-shaped
fishy transaction
fissi-
fission alga
fission bomb
fission fungus
fission particles
fission products
fission reaction
fission reactor
fission-fusion bomb
fissionable material
fissure of Rolando
fissure of Sylvius
fissure vein
fist hatchet
fist law
fist mate
fistulous withers
fit and fine
fit as a fiddle
fit for
fit for a gourmet
fit for a king
fit for sea
fit for society
fit for the dust hole
fit for the junk yard
fit for the wastepaper basket
fit in
fit of abstraction
fit of anger
fit of crying
fit of laughter
fit of temper
fit out
fit plant
fit strip
fit the pattern
fit to be tied
fit to bust
fit to kill
fit to live in
fit together
fit up
fitchy at the foot
fitful sleep
fitness for society
fits and starts
fitted coat
fitted for
fitted out
fitted sheet
fittie-lan
fitting change
fitting out
fitting room
fitting strip
five C's
five W's
five all
five and twenty
five back
five bucks
five cents
five centuries
five dollars
five hundred
five hundred dollars
five hundred rummy
five percenter
five rayed
five senses
five spice powder
five stones
five-acre
five-act
five-and-dime
five-and-ten
five-and-ten-cent store
five-barred
five-barred gate
five-beaded
five-branched
five-by-five
five-card
five-chambered
five-corn
five-cornered
five-corners
five-cut
five-day
five-day fever
five-day week
five-dollar bill
five-dollar gold piece
five-eighth
five-em space
five-faced bishop
five-figure
five-finger
five-fingered
five-fingers
five-flowered
five-foiled
five-foot
five-gaited
five-guinea
five-horned
five-hour
five-hundred-dollar bill
five-inch
five-leaf
five-leafed
five-leaved
five-legged
five-line
five-lined
five-lobed
five-master
five-mile
five-minute
five-minute gun
five-nerved
five-nine
five-o'clock shadow
five-o'clock tea
five-page
five-part
five-part time
five-parted
five-percenter
five-ply
five-pointed
five-pointed star
five-pound
five-quart
five-rater
five-reel
five-reeler
five-ribbed
five-room
five-shooter
five-sisters
five-spot
five-spotted
five-star
five-star general
five-story
five-stringed
five-toed
five-toothed
five-twenty
five-valved
five-volume
five-week
five-year
five-year plan
fivepenny morris
fix a limit
fix in the memory
fix in the mind
fix on
fix the blame for
fix the burden of
fix the date
fix the eyes upon
fix the mind on
fix the mind upon
fix the paternity of
fix the price of
fix the responsibility for
fix the thoughts on
fix the thoughts upon
fix the time
fix to
fix together
fix up
fix upon
fix your attention
fix your gaze
fix your position
fix your thoughts
fix-it shop
fixation abscess
fixation neurosis
fixation pause
fixation point
fixative varnish
fixed and flashing light
fixed arch
fixed asset
fixed assets
fixed belief
fixed capital
fixed charge
fixed charges
fixed cost
fixed costs
fixed feast
fixed idea
fixed in the mind
fixed investment trust
fixed liability
fixed light
fixed mind
fixed oil
fixed opinion
fixed point
fixed price
fixed purpose
fixed regard
fixed resolve
fixed satellite
fixed star
fixed stars
fixed station
fixed trust
fixed upon
fixed-bar
fixed-do
fixed-do system
fixed-focus camera
fixed-head coup
fixed-head coupe
fixed-hub
fixed-hub axle
fixed-income
fixed-point representation
fixed-temperature
fixed-wing aircraft
fixing bath
fixity of purpose
fizz out
fizzle out
fl dr
fl oz
flabby-cheeked
flake manna
flake off
flake out
flake stand
flake tragacanth
flake white
flaked-out
flaky pastry
flambor flamb
flame azalea
flame blue
flame bridge
flame cell
flame color
flame cultivator
flame gun
flame holder
flame ignition
flame lamp
flame lily
flame lousewort
flame manometer
flame microphone
flame nettle
flame out
flame projector
flame reaction
flame red
flame scarlet
flame spectrum
flame standard
flame stitch
flame test
flame tetra
flame thrower
flame trap
flame tree
flame up
flame vine
flame-breasted
flame-breathing
flame-colored
flame-colour
flame-cut
flame-darting
flame-devoted
flame-eyed
flame-faced
flame-feathered
flame-fusion process
flame-haired
flame-of-the-forest
flame-of-the-woods
flame-out
flame-red
flame-robed
flame-shaped
flame-snorting
flame-sparkling
flame-thrower
flame-tight
flame-tipped
flame-tree
flame-uplifted
flame-winged
flames-of-the-woods
flaming torch
flamingo flower
flamingo-flower
flammable material
flan ring
flange bushing
flange coupling
flange joint
flange nut
flange plate
flange pulley
flange rail
flange steel
flange tile
flange union
flank attack
flank company
flank defense
flank file
flank fire
flank guard
flank march
flank movement
flank patrol
flank speed
flank steak
flanker back
flanking angle
flannel cake
flannel flower
flannel moth
flannel plant
flannelmouth catfish
flannelmouth sucker
flap door
flap hinge
flap the memory
flap tile
flap valve
flap-dragon
flap-ear'd knave
flap-eared
flapper dock
flapper skate
flapper-bag
flapping angle
flare light
flare out
flare path
flare rocket
flare star
flare up
flare-out
flare-up
flare-up light
flash across one's mind
flash across the mind
flash back
flash boiler
flash bulb
flash burn
flash butt welding
flash camera
flash card
flash color
flash fire
flash flood
flash gear
flash generator
flash gun
flash in the pan
flash lamp
flash method
flash of light
flash of lightning
flash of wit
flash on the mind
flash pasteurization
flash photography
flash photolysis
flash picture
flash pipe
flash point
flash powder
flash price
flash set
flash spectrum
flash synchronizer
flash test
flash tube
flash up
flash upon one
flash valve
flash welding
flash wheel
flash-board
flash-house
flash-lock
flash-man
flash-pasteurize
flashed brick
flashed glass
flashing block
flashing light
flashing point
flashover voltage
flask-shaped
flask-shaped heart
flat aft
flat and unprofitable
flat arch
flat as a billiard table
flat as a board
flat as a bowling green
flat as a cake
flat as a flounder
flat as a pancake
flat as a tennis court
flat back
flat broke
flat bug
flat calm
flat cap
flat coat
flat contradiction
flat country
flat drill
flat failure
flat fish
flat foot
flat glass
flat in
flat key
flat knit
flat knitting
flat knot
flat market
flat on your back
flat on your belly
flat on your nose
flat out
flat palm
flat pass
flat point lace
flat press
flat race
flat racing
flat rate
flat refusal
flat roof
flat sage
flat sennit
flat silver
flat sour
flat spin
flat tire
flat wash
flat-armed
flat-backed
flat-beaked
flat-bed
flat-bed cylinder press
flat-bed press
flat-billed
flat-boat
flat-bosomed
flat-bottom
flat-bottomed
flat-breasted
flat-browed
flat-cap
flat-cheeked
flat-chested
flat-coated retriever
flat-compound
flat-crowned
flat-decked
flat-ended
flat-faced
flat-floored
flat-fold
flat-foot
flat-footed
flat-footedly
flat-footedness
flat-fronted
flat-grained
flat-handled
flat-hat
flat-hatted
flat-hatter
flat-hatting
flat-head
flat-headed
flat-heeled
flat-hoofed
flat-horned
flat-iron
flat-joint pointing
flat-knit
flat-minded
flat-mouthed
flat-nose
flat-nosed
flat-out
flat-out speed
flat-packed
flat-plate keel
flat-plate printing
flat-ribbed
flat-ring
flat-ring armature
flat-roofed
flat-saw
flat-sawed
flat-sawing
flat-sawn
flat-shouldered
flat-sided
flat-slab construction
flat-soled
flat-sour
flat-toothed
flat-top
flat-topped
flat-turret lathe
flat-visaged
flat-waisted
flat-ways
flat-woven
flatbed cylinder press
flatbed press
flathead cat
flathead catfish
flatheaded apple tree borer
flatheaded borer
flattail mullet
flatten in
flatten out
flatten yourself
flattened-strand rope
flattening oven
flattening stone
flatter the palate
flatter yourself
flatter-blind
flattering remark
flattering tongue
flattening furnace
flattening mill
flattening stone
flattop antenna
flavous melancholia
flatwork ironer
flavo-
flavor control
flavoring extract
flaw in an argument
flax bellflower
flax blue
flax brake
flax buncher
flax bundler
flax canker
flax comb
flax dodder
flax dresser
flax family
flax hackler
flax lily
flax olive
flax plant
flax retter
flax ripple
flax rust
flax snapdragon
flax spinner
flax star
flax straw
flax vine
flax wheel
flax wilt
flax winder
flax-colored
flax-flower blue
flax-leaved
flax-pollled
flax-seed
flax-sick
flaxen-colored
flaxen-haired
flaxen-headed
flaxen-wigged
flaxseed cake
flaxseed coal
flaxseed oil
flea beetle
flea bug
flea collar
flea fair
flea hopper
flea in the ear
flea in your ear
flea in your nose
flea louse
flea market
flea mint
flea weevil
flea-bane
flea-bite
flea-bitten
flea-lugged
fleabane mullet
fleam tooth
fleche de lard
flector tuning
fleece vine
fleece wool
fleece-lined
fleece-vine
fleece-white
fleecy cloud
fleecy-looking
fleecy-white
fleecy-winged
fleer at
fleet admiral
fleet engineer
fleet insurance
fleet milk
fleet street
fleet submarine
fleet-foot
fleet-footed
fleet-footed
fleeting impulse
french-gut
flesh and blood
flesh color
flesh crow
flesh eater
flesh flea
flesh fly
flesh fork
flesh glove
flesh hoop
flesh ocher
flesh out
flesh pink
flesh red
flesh show
flesh side
flesh tint
flesh tone
flesh worm
flesh wound
flesh-bearing
flesh-color
flesh-colored
flesh-colour
flesh-consuming
flesh-devouring
flesh-eater
flesh-eating
flesh-fallen
flesh-fly
flesh-pink
flight nurse
flight of fancy
flight of ideas
flight of steps
flight of time
flight of wit
flight officer
flight operation
flight path
flight path angle
flight pay
flight plan
flight reaction
flight recorder
flight shooter
flight shooting
flight simulator
flight song
flight status
flight strip
flight surgeon
flight test
flight tester
flight training
flight-shooting
flight-shot
flight-test
flightless bird
flim-flam
flimflam man
flincher-mouse
flinders grass
fling at
fling down
fling down the gage
fling down the gauntlet
fling down the glove
fling off
fling out
flinging-tree
flint age
flint and steel
flint clay
flint corn
flint glass
flint gray
flint mill
flint miller
flint milling
flint paper
flint paring
flint skinning
flint sponge
flint wheat
flint-dried
flint-glass
flint-lock
flip a coin
flip chart
flip glass
flip of a coin
flip of the coin
flip out
flip side
flip side, the
flip through
flip through the pages
flip your lid
flip your wig
flip-flap
flip-flop
flip-flop circuit
flip-flopped
flip-flopping
flip-flops
flip-up
flipper turns
flipperty-flopperty
flippity-flop
flirt with
flirt with death
flirt with the idea
flirt-gill
flirtation-proof
flirting with death
flitch beam
flitch girder
flitch plate
flitter-mouse
float a bond issue
float a loan
float bowl
float bridge
float builder
float carburetor
float chamber
float copper
float fescue
float fishing
float foxtail
float glass
float grass
float high
float in a sea of doubt
float in space
float in the air
float key
float net
float on your back
float ore
float plane
float pump
float road
float seaplane
float stick
float switch
float tank
float trap
float up
float valve
float whey
float with the current
float with the stream
float work
float-boat
float-cut
float-cut file
float-feed
float-feed carburetor
float-iron
float-stone
floating anchor
floating assets
floating battery
floating bridge
floating capital
floating charge
floating debt
floating dock
floating dry dock
floating drydock
floating fescue
floating foundation
floating foxtail
floating gang
floating grass
floating heart
floating hotel
floating inspector
floating island
floating light
floating manna grass
floating mine
floating palace
floating partition
floating point
floating policy
floating rib
floating screed
floating soap
floating stage
floating stock
floating supply
floating vote
floating-point representation
flocculent precipitate
flock book
flock dot
flock duck
flock mating
flock paper
flock pigeon
flock to
flock together
flock-meal
floe rat
flog a dead horse
flog yourself
flogging chisel
flogging hammer
flood anchor
flood control
flood dam
flood fallowing
flood insurance
flood lamp
flood main ballast
flood negative
flood of light
flood of tears
flood plain
flood pounds in after trim
flood the market
flood the market with
flood the tank
flood the tanks
flood tide
flood with light
flood-gate
flood-hatch
flood-tide
floodable length
flooded with light
floodlight projector
floor arch
floor beam
floor board
floor boarding
floor broker
floor chisel
floor clamp
floor cleaner
floor cleaning
floor covering
floor dresser
floor dressing
floor enamel
floor finish
floor furnace
floor hanger
floor joist
floor knob
floor lamp
floor leader
floor line
floor manager
floor mat
floor model
floor mop
floor oil
floor oiler
floor paint
floor pit
floor plan
floor plate
floor play
floor plug
floor pocket
floor polish
floor polisher
floor price
floor push
floor sample
floor sander
floor scraper
floor show
floor slab
floor stain
floor switch
floor system
floor tile
floor timber
floor trader
floor wax
floor waxing
floor-cloth
floor-length
floor-load
floor-walker
flooring beam
flooring block
flooring board
flooring brad
flooring clamp
flooring grating
flooring hatchet
flooring joist
flooring lumber
flooring nail
flooring plank
flooring plaster
flooring saw
flooring stone
flooring timber
flop down
flop forging
flop-eared
flop-top
flora and fauna
floral clock
floral decoration
floral decorator
floral emblem
floral envelope
floral leaf
flores sulphuris
flori-
florid passage
florid phrase
florid style
flory counter-flory
flos ferri
flos-ferri
floss silk
floss hole
floss silk
floss thread
floss-silk
floss-silk tree
flossflower blue
flotation blanket
flotation cell
flotation gear
flotsam and jetsam
flounce off
flounce out
flounder-man
flour bag
flour barrel
flour beetle
flour bin
flour blend
flour blender
flour blending
flour bolt
flour bolter
flour bolting
flour copper
flour corn
flour grinder
flour hopper
flour maker
flour mill
flour miller
flour milling
flour mite
flour mixer
flour moth
flour packer
flour paste
flour sack
flour sifter
flour sifting
flour slick
flour weevil
flour weigher
flour worm
flourish of rhetoric
flourish of trumpets
flourishing condition
flourishing thread
flow back
flow bean
flow breccia
flow calorimeter
flow chart
flow cleavage
flow control
flow diagram
flow from
flow gate
flow in
flow moss
flow nipple
flow of air
flow of blood
flow of ideas
flow of thought
flow of time
flow of words
flow on
flow out
flow over
flow sheet
flow texture
flow together
flow valve
flow-blue
flow-control system
flow-on
flowage texture
flower arrangement
flower basket
flower bed
flower beetle
flower boat
flower bowl
flower box
flower bud
flower bug
flower child
flower concrete
flower cup
flower fence
flower fly
flower garden
flower gardening
flower girl
flower grower
flower head
flower maker
flower making
flower nymph
flower of age
flower of life
flower outbloom
flower painter
flower painting
flower paintress
flower part
flower piece
flower power
flower pride
flower scissors
flower seller
flower shop
flower show
flower spike
flower stalk
flower time
flower tree
flower-bearing
flower-bespangled
flower-besprinkled
flower-breeding
flower-crowned
flower-cup fern
flower-de-luce
flower-decked
flower-embroidered
flower-enameled
flower-enwoven
flower-faced
flower-gentle
flower-growing
flower-hung
flower-infolding
flower-inwoven
flower-kirtled
flower-of-Jove
flower-of-an-hour
flower-pecker
flower-pot
flower-scented
flower-shaped
flower-sprinkled
flower-strewn
flower-sucking
flower-sweet
flower-teeming
flowering currant
flowering dogwood
flowering flax
flowering maple
flowering moss
flowering plant
flowering quince
flowering raspberry
flowering rush
flowering spurge
flowering time
flowering tobacco
flowering wintergreen
flowering-rush family
flowers of rhetoric
flowers of speech
flowers of sulfur
flowers of zinc
flowers-of-Jove
flowery language
flowery style
flowery-kirtled
flowery-mantled
flowing locks
flowing periods
flowing stream
flowing tongue
flowing toward
flowing tresses
flowing-robed
fluctuation-proof
flue bridge
flue cleaner
flue pipe
flue plate
flue stop
flue stopper
flue surface
flue-cure
flue-cured
flue-curing
fluent tongue
fluff your lines
fluff-gib
fluffy-haired
fluffy-minded
fluid assets
fluid clutch
fluid compression
fluid coupling
fluid die
fluid drachm
fluid dram
fluid drive
fluid dynamics
fluid extract
fluid flywheel
fluid friction
fluid mechanics
fluid motion
fluid movement
fluid operations
fluid ounce
fluid pressure
fluid-compressed
flump down
flunk out
fluo-
fluoboric acid
fluophosphoric acid
fluor spar
fluor-
fluor-spar
fluorescence microscope
fluorescent lamp
fluorescent light
fluorescent lighting
fluorescent paint
fluorescent tube
fluoric acid
fluorine dating
fluorite green
fluorite violet
fluoro-
fluorocarbon plastic
fluorophosphoric acid
fluosilicic acid
flush box
flush coat
flush deck
flush girt
flush of money
flush out
flush rim
flush tank
flush with money
flush-bound
flush-cut
flush-deck vessel
flush-decked
flush-decked vessel
flush-decker
flush-head rivet
flush-headed
flush-jointed
flush-plate filter
flush-plated
flushed with anger
flushed with joy
flushed with pride
flushed with success
flushed with victory
flushing out
flushing rim
flute glass
flute shrike
flute stop
flute-douce
flute-shaped
fluting iron
flutter kick
flutter the dovecotes
flutter tonguing
flutter valve
flutter wheel
flutter-headed
fluttering the eyelids
fluvio-aeolian
flux and reflux
flux de bouche
flux de mots
flux de paroles
flux density
flux function
flux gate
flux linkage  
flux of time  
flux of words  
flux turn  
flux valve  
fluxing lime  
fly a kite  
fly about  
fly agaric  
fly aloft  
fly anchor  
fly apart  
fly ash  
fly at  
fly back  
fly ball  
fly bar  
fly blind  
fly blister  
fly block  
fly book  
fly by the seat of your pants  
fly cap  
fly casting  
fly cop  
fly dope  
fly down  
fly drill  
fly finisher  
fly finishing  
fly fishing  
fly floor  
fly frame  
fly front  
fly fungus  
fly gallery  
fly governor  
fly half  
fly high  
fly honeysuckle  
fly in formation  
fly in the face of  
fly in the face of facts  
fly in the face of reason  
fly in the face of the law  
fly in the ointment  
fly in the teeth of  
fly into a passion
fly into a rage
fly into a temper
fly into the face of danger
fly left seat
fly line
fly loft
fly low
fly mold
fly mushroom
fly net
fly nut
fly oat
fly off
fly off at a tangent
fly off the handle
fly on instruments
fly open
fly orchid
fly out
fly page
fly phalanger
fly poison
fly powder
fly press
fly rail
fly right seat
fly rod
fly rollway
fly rope
fly sheet
fly snapper
fly spray
fly spring
fly stone
fly storm warnings
fly swatter
fly tent
fly the beam
fly the coop
fly tick
fly tip
fly title
fly to
fly to the assistance of
fly to the sword
fly up
fly wagon
fly water
fly way
fly weevil
fly whisk
fly-away
fly-bane
fly-bitten
fly-blow
fly-blown
fly-boat
fly-boy
fly-by-night
fly-catcher
fly-catching
fly-catching warbler
fly-dung
fly-fish
fly-fisher
fly-fisherman
fly-fishing
fly-flap
fly-free
fly-killing
fly-leaf
fly-net
fly-past
fly-rail
fly-sheet
fly-specked
fly-spleckled
fly-strike
fly-stuck
fly-swarmed
fly-up
fly-wheel
fly-yrap
flyaway grass
flying banana
flying bathtub
flying bedspring
flying bedstead
flying boat
flying bomb
flying bond
flying boxcar
flying bridge
flying buttress
flying cadet
flying circus
flying classroom
flying colors
flying colours
flying column
flying crow's nest
flying deck
flying doctor
flying dragon
flying dutchman
flying field
flying fish
flying flame
flying fortress
flying fox
flying frog
flying gangway
flying gurnard
flying horses
flying jib
flying jib boom
flying jib guy
flying jib martingale
flying jib stay
flying jump
flying kite
flying kites
flying lemur
flying lessons
flying lizard
flying machine
flying mare
flying marmot
flying moor
flying motorcycle
flying mouse
flying nightingale
flying officer
flying phalanger
flying platform
flying range
flying ring
flying robin
flying rumor
flying sap
flying saucer
flying shear
flying skysail
flying speed
flying spot
flying squad
flying squadron
flying squirrel
flying start
flying tackle
flying tank
flying tanker
flying torpedo
flying wing
flywheel effect
flywheel efficiency
flywheel-explosion
foam at the mouth
foam extinguisher
foam glass
foam rubber
foam-beat
foam-born
foam-crested
foam-flanked
foam-flecked
foam-girt
foam-lit
foam-painted
foam-rubber mattress
foam-white
foaming at the mouth
fob chain
fob off
fob on
focal distance
focal epilepsy
focal infection
focal inflammation
focal length
focal plane
focal point
focal ratio
focal-plane shutter
focus lamp
focus of attention
focus of interest
focus on
focus the attention
focus the mind on
focus the thoughts on
focus tube
focus upon
focus your thoughts
focusing cloth
focusing glass
foe-encompassed
foe-reaped
foe-subduing
foeti-
fog alarm
fog bank
fog bell
fog belt
fog buoy
fog circle
fog drip
fog forest
fog gong
fog grass
fog gun
fog lamp
fog level
fog light
fog screen
fog signal
fog up
fog whistle
fog-bank
fog-beset
fog-blue
fog-born
fog-bred
fog-hidden
fog-logged
fog-ridden
fog-signal
foie de veau
foie gras
foist in
foist on
foist yourself upon
fold dike
fold in
fold over
fold soke
fold to the heart
fold up
fold your arms
fold-away bed
folded dipole
folded sleep
folder-up
folding bed
folding bicycle
folding camera
folding chair
folding door
folding fin
folding ladder
folding machine
folding money
folding press
folding table
folding wing
foliage brown
foliage carver
foliage green
foliage leaf
foliage plant
foliate Architect
foliated joint
foliato-
folic acid
folie a deux
folie de grandeur
folie du doute
folinic acid
folio letterheads
folio noteheads
folio post
folio verso
folk air
folk art
folk ballad
folk ballads
folk belief
folk carol
folk custom
folk dance
folk dancing
folk dialect
folk drama
folk ethics
folk etymology
folk guitarist
folk hero
folk lay
folk literature
folk medicine
folk melody
folk memory
folk mind
folk motif
folk music
folk myth
folk nation
folk play
folk poetry
folk psychologist
folk psychology
folk rock
folk school
folk singer
folk singing
folk society
folk song
folk songs
folk speech
folk state
folk story
folk tale
folk theater
folk tune
folk weave
folk-dancer
folk-etymological
folk-lore
folk-music festival
folk-rock
folk-rock singer
folk-sing
follicle mite
follicle-stimulating hormone
follow a clew
follow a clue
follow a course
follow a trade
follow advice
follow after
follow as a matter of course
follow as an occupation
follow at heel
follow block
follow board
follow close upon
follow dies
follow from
follow implicitly
follow in a series
follow in the footprints of
follow in the footsteps of
follow in the steps of
follow in the trail of
follow in the wake of
follow in your footsteps
follow like sheep
follow on
follow on the heels of
follow out
follow peace with all men
follow protocol
follow rest
follow shot
follow strong drink
follow suit
follow the
follow the beam
follow the beaten path
follow the book
follow the crowd
follow the example of
follow the fashion
follow the hounds
follow the lead of
follow the leader
follow the party line
follow the rule
follow the rules
follow the scent of
follow the sea
follow the spoor of
follow the straight and narrow
follow the trail of
follow the trail to
follow through
follow to a conclusion
follow up
follow up an inquiry
follow up the attack
follow your nose
follow-focus shot
follow-my-leader
follow-on
follow-through
follow-up
follower plate
follower rest
follower-up
followers of Christ
following the letter
following wind
folly-bent
folly-blind
folly-drenched
folly-fallen
folly-fed
folly-maddened
folly-painting
folly-snared
folly-stricken
fond hope
fond illusion
fond of
fond of society
fond plow
fond-blind
fond-conceited
fond-hardy
fond-sparkling
fondness for society
fondue Bourguignonne
fons et origo
font name
foo yong
foo yoong
foo-foo
food allowance
food analyst
food and drink
food ball
food cabinet
food canal
food card
food cart
food chain
food chemist
food color
food container
food cycle
food faddist
food fish
food for powder
food for thought
food for worms
food freezing
food grain
food grower
food inspector
food items
food of the gods
food package
food packer
food plant
food poisoning
food preservative
food reserve
food shop
food store
food supply
food tax
food tube
food value
food waste
food web
food yolk
food-gathering
food-processing
food-producing
food-providing
food-sick
food-size
fool around
fool around with
fool away
fool away time
fool duck
fool hay
fool hen
fool mistake
fool notion
fool plow
fool trick
fool with
fool's cap
fool's coat
fool's errand
fool's gold
fool's paradise
fool's parsley
fool's trick
fool's-cap
fool's-parsley
fool-bold
fool-born
fool-frequented
fool-frighting
fool-happy
fool-hasty
fool-headed
fool-heady
fool-large
fool-proof
fooling around
foolish act
foolish guillemot
foolish thing
foolish-bold
foolish-looking
foolish-wise
foolish-witty
foolscape octavo
foolscape quarto
foot accelerator
foot at
foot base
foot bath
foot bellows
foot bone
foot brake
foot by foot
foot candle
foot carpet
foot correctionist
foot cushion
foot dangle
foot dirt
foot doctor
foot drop
foot fault
foot for foot
foot front
foot guard
foot iron
foot it
foot jaw
foot level
foot lever
foot lift
foot line
foot mange
foot mantle
foot match
foot measure
foot page
foot pan
foot passenger
foot pavement
foot post
foot pump
foot race
foot racer
foot racing
foot rail
foot road
foot rot
foot rule
foot scab
foot score
foot scraper
foot screw
foot soldier
foot specialist
foot stove
foot the bill
foot tour
foot track
foot trail
foot traveler
foot tubercle
foot up
foot valve
foot waling
foot walker
foot warmer
foot washing
foot-acted
foot-and-mouth disease
foot-binding
foot-breadth
foot-candle
foot-candle meter
foot-cloth
foot-dragger
foot-dragging
foot-faring
foot-firm
foot-free
foot-grain
foot-grain per second
foot-guard
foot-hook
foot-hot
foot-lambert
foot-lame
foot-length
foot-licking
foot-loose
foot-mantle
foot-mark
foot-note
foot-pale
foot-payh
foot-pound
foot-pound-second
foot-poundal
foot-power
foot-running
foot-second
foot-slog
foot-sore
foot-tiring
foot-ton
foot-up
foot-wall
foot-weary
football field
football pools
football season
footed arrow
foothill death camas
foothill pine
foothill yellow pine
footing ale
footing beam
footing it
footing piece
footing stone
footloose and fancy-free
footman moth
footmen's gallery
footplate man
footstep bearing
footwear merchant
for FC
for God's sake
for a certainty
for a consideration
for a coon's age
for a dog's age
for a fact
for a lifetime
for a little while
for a long time
for a mere song
for a moment
for a month of Sundays
for a rainy day
for a season
for a short time
for a song
for a time
for a wonder
for ages
for ages of ages
for all me
for all practical purposes
for all that
for all the world
for all the world like
for all time
for all to see
for all you are worth
for all you know
for all your natural life
for always
for amusement
for an age
for and
for anything you knows
for aught one cares
for aught one knows
for aye
for better or for worse
for certain
for crying out loud
for dear life
for donkey's years
for each
for effect
for ever
for ever and ever
for ever so long
for evermore
for example
for fear of
for fear that
for fete
for foehn
for form's sake
for free
for fun
for good
for good and all
for good measure
for goodness sake
for heaven's sake
for hire
for instance
for it
for keeps
for kicks
for lack of something better
for lagniappe
for laughs
for life
for long
for love
for many a long day
for mercy's sake
for money
for my part
for nickels and dimes
for no other ears
for nothing
for others
for pennies
for practical purposes
for professional services
for public consumption
for real
for rent
for sale
for services rendered
for short
for show
for some reason
for sport
for sure
for that
for that cause
for that reason
for the asking
for the best
for the better
for the birds
for the cause that
for the devil of it
for the duration
for the fun of it
for the heck of it
for the hell of it
for the life of you
for the love of
for the meantime
for the moment
for the most part
for the nonce
for the people
for the period of
for the purpose of
for the reason that
for the record
for the sake of
for the term of your days
for the time
for the time being
for this cause
for this occasion
for this reason
for two
for want of
for what reason
for whatever reason
for which
for which reason
for why
for years on end
for your benefit
for your ears only
for your health
for your life
for your money
for your part
for yourself
for-
forage acre
forage cap
forage grass
forage poisoning
forage press
foraging ant
foramen magnum
foramen ovale
forasmuch as
forbid it Heaven
forbidden fruit
forbidden love
forbidding countenance
force attack
force bed
force by
force feed
force feeding
force fit
force from
force function
force in
force into a mold
force main
force majeure
force of arms
force of friction
force of gravity
force of habit
force of inertia
force of life
force of viscosity
force on
force open
force out
force out of place
force play
force polygon
force pump
force to the wall
force upon
force your hand
force your thoughts from
force your way
force-closed
force-fed
force-feed
force-feeding
force-meat
fore-alleged
fore-and-aft
fore-and-aft axis
fore-and-aft rig
fore-and-aft rigged
fore-and-aft sail
fore-and-aft schooner
fore-and-aft tackle
fore-and-aft-rigged
fore-and-after
fore-appoint
fore-axle
fore-being
fore-cabin
fore-check
fore-cited
fore-court
fore-dated
fore-deck
fore-edge
fore-edge painting
fore-elder
fore-elders
fore-end
fore-exercise
fore-foot
fore-game
fore-glide
fore-gut
fore-hammer
fore-handed
fore-hearth
fore-judge
fore-lie
fore-mean
fore-mention
fore-notice
fore-oath
fore-part
fore-piece
fore-possess
fore-purpose
fore-quote
fore-rank
fore-reach
fore-read
fore-recited
fore-rider
fore-run
fore-sail
fore-say
fore-set beds
fore-sheet
fore-skysail
fore-skysail backstay
fore-skysail brace
fore-skysail lift
fore-skysail mast
fore-skysail shroud
fore-skysail stay
fore-skysail yard
fore-staff
fore-stage
fore-stay
fore-stick
fore-tack
fore-tooth
fore-topgallant
fore-topgallant backstay
fore-topgallant brace
fore-topgallant lift
fore-topgallant mast
fore-topgallant shroud
fore-topgallant stay
fore-topgallant studding sail
fore-topgallant yard
fore-topmast
fore-topmast backstay
fore-topmast stay
fore-topmast staysail
fore-topmast staysail stay
fore-topmast studding sail
fore-topmast-studding-sail boom
fore-topsail
fore-topsail lift
fore-topsail yard
fore-trysail gaff
fore-trysail peak halyard
fore-trysail vang
fore-uard
fore-vouched
fore-wind
fore-wit
fore-arm smash
forecastle deck
forecastle hand
foreign-speaking
forelock hook
foreman of the jury
forenoon watch
forensic address
forensic chemistry
forensic jurisprudence
forensic medicine
forensic psychiatry
foreroyal backstay
foreroyal brace
foreroyal lift
foreroyal mast
foreroyal shroud
foreroyal stay
foreroyal studding sail
foreroyal yard
foreroyal-studding-sail boom
forest conservation
forest court
forest cover
forest dweller
forest fire
forest fire fighter
forest floor
forest fly
forest god
forest gods
forest green
forest gum
forest horse
forest keeper
forest land
forest mahogany
forest management
forest oak
forest officer
forest peat
forest pig
forest preserve
forest pygmy
forest ranger
forest red gum
forest reserve
forest school
forest sheriff
forest spirit
forest tent caterpillar
forest tupelo
forest type
forest warden
forest white
forest-belted
forest-born
forest-bosomed
forest-bound
forest-bred
forest-clad
forest-covered
forest-crowned
forest-dwelling
forest-felling
forest-frowning
forest-grown
forest-rustling
forever and a day
forever and aye
forfeit your good opinion
forge ahead
forge blower
forge furnace
forge furnaceman
forge hammerman
forge pressman
forge roller
forge shearer
forge slinger
forge smith
forge water
forge welding
forgery bond
forgery-proof
forget about it
forget it
forget nothing
forget the odds
forget to remember
forget your own name
forget your place
forget yourself
forget-me-not
forget-me-not blue
forgetful of self
forgetting nothing
forging press
forgive and forget
<table>
<thead>
<tr>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>fork beam</td>
</tr>
<tr>
<td>fork cross</td>
</tr>
<tr>
<td>fork cutler</td>
</tr>
<tr>
<td>fork forger</td>
</tr>
<tr>
<td>fork grinder</td>
</tr>
<tr>
<td>fork hafter</td>
</tr>
<tr>
<td>fork lightning</td>
</tr>
<tr>
<td>fork luncheon</td>
</tr>
<tr>
<td>fork maker</td>
</tr>
<tr>
<td>fork molder</td>
</tr>
<tr>
<td>fork out</td>
</tr>
<tr>
<td>fork over</td>
</tr>
<tr>
<td>fork splitter</td>
</tr>
<tr>
<td>fork truck</td>
</tr>
<tr>
<td>fork-carving</td>
</tr>
<tr>
<td>fork-end</td>
</tr>
<tr>
<td>fork-filled</td>
</tr>
<tr>
<td>fork-head</td>
</tr>
<tr>
<td>fork-lift truck</td>
</tr>
<tr>
<td>fork-pronged</td>
</tr>
<tr>
<td>fork-ribbed</td>
</tr>
<tr>
<td>fork-shaped</td>
</tr>
<tr>
<td>fork-tail</td>
</tr>
<tr>
<td>fork-tailed</td>
</tr>
<tr>
<td>fork-tined</td>
</tr>
<tr>
<td>fork-tongued</td>
</tr>
<tr>
<td>forked chain</td>
</tr>
<tr>
<td>forked lightning</td>
</tr>
<tr>
<td>forked tongue</td>
</tr>
<tr>
<td>forked-headed</td>
</tr>
<tr>
<td>forked-tailed</td>
</tr>
<tr>
<td>forklift truck</td>
</tr>
<tr>
<td>forlorn hope</td>
</tr>
<tr>
<td>forlorn of</td>
</tr>
<tr>
<td>form a conviction</td>
</tr>
<tr>
<td>form a line</td>
</tr>
<tr>
<td>form a mental picture</td>
</tr>
<tr>
<td>form a part of</td>
</tr>
<tr>
<td>form a series</td>
</tr>
<tr>
<td>form a unity</td>
</tr>
<tr>
<td>form a whole</td>
</tr>
<tr>
<td>form an estimate</td>
</tr>
<tr>
<td>form an opinion</td>
</tr>
<tr>
<td>form board</td>
</tr>
<tr>
<td>form class</td>
</tr>
<tr>
<td>form drag</td>
</tr>
<tr>
<td>form factor</td>
</tr>
<tr>
<td>form four</td>
</tr>
</tbody>
</table>
form fours
form genus
form ideas
form letter
form master
form of address
form of government
form of service
form of speech
form of worship
form quotient
form species
form squares
form stop
form the foundation of
form word
form-
form-establishing
form-fitting
form-function unit
form-giving
form-giving cause
form-relieve
form-revealing
formal agreement
formal cause
formal clothes
formal contract
formal contrast
formal dress
formal fallacy
formal language
formal logic
formal observance
formal speech
formal visit
formal written language
formatio reticularis
formation flying
formative element
formed of
former times
formic acid
formic aldehyde
formidable defenses
forming a part of
forming die
forming press
forming punch
formless darkness
formo-
formolite number
formolite reaction
forms of
forms of divination
formulated belief
formyl group
formyl radical
forsake the world
forsaking of the world
forswear speaking
forswear speech
forswear violence
forswear yourself
fort royal
forte-piano
fortes fortuna juvat
forth of
forth putting
fortification agate
fortified flour
fortified milk
fortified tunnel
fortified wine
fortunate outcome
fortune cookie
fortune hunter
fortune's child
fortune's favor
fortune's favorite
fortune's fool
fortune-hunter
fortune-hunting
fortune-tell
fortune-teller
fortune-telling
forty hours
forty machine
forty ways from Sunday
forty winks
forty-acre
forty-eight
forty-eighth
forty-eightmo
forty-eightmos
forty-fifth
forty-first
forty-five
forty-foot
forty-four
forty-fourth
forty-knot
forty-legged
forty-mile
forty-nine
forty-niner
forty-ninth
forty-one
forty-pound
forty-second
forty-seven
forty-seventh
forty-six
forty-sixth
forty-skewer
forty-spot
forty-third
forty-three
forty-ton
forty-two
forty-year
forward bias
forward bridge
forward deck
forward delivery
forward echelon
forward exchange
forward look
forward motion
forward observer
forward pass
forward quotation
forward roll
forward transfer resistance
forward-bearing
forward-creeping
forward-flowing
forward-looking
forward-pressing
forward-turned
forwarding agent
fossil copal
fossil footprint
fossil fuel
fossil gum
fossil ivory
fossil man
fossil mud crack
fossil oil
fossil ore
fossil print
fossil resin
fossil resins
fossil sea water
fossil turquoise
fossil wax
fossil word
foster a belief
foster an idea
foster babe
foster brother
foster care
foster child
foster dam
foster daughter
foster father
foster home
foster in the mind
foster land
foster milk
foster mother
foster nurse
foster parent
foster sire
foster sister
foster son
foster the hope
foster-brother
foster-child
foster-father
foster-mother
foster-nurse
foster-sister
foster-son
foul anchor
foul ball
foul breath
foul invective
foul language
foul line
foul matter
foul odor
foul out
foul play
foul pole
foul shot
foul the anchor
foul tip
foul up
foul weather
foul wind
foul your own nest
foul-breathed
foul-browed
foul-faced
foul-handed
foul-looking
foul-minded
foul-mindedness
foul-mouthed
foul-reeking
foul-smelling
foul-spoken
foul-tasting
foul-tongued
foul-up
foul-weather suit
fouled anchor
fouled up
fouled-up
found object
found on
found wanting
foundation course
foundation cream
foundation garment
foundation plate
foundation stone
foundation stop
founded on
founded upon a rock
founder's type
founders' shares
founders' type
founding father
foundling hospital
foundry facing
foundry iron
foundry press
foundry proof
foundry scrap
foundry type
fountain grass
fountain moss
fountain of youth
fountain pen
fountain plant
fountain runner
fountain shell
fountain syringe
fountain tree
four and twenty
four bits
four corners of the earth
four flush
four freedoms
four horsemen
four hundred
four o’ clock
four o’cat
four o’clock
four of a kind
four old cat
four questions
four-a-cat
four-acre
four-bagger
four-ball
four-ball match
four-bit
four-bottom plow
four-cant
four-cent
four-centered
four-centered arch
four-channel stereo system
four-color
four-color press
four-color problem
four-color process
four-colored
four-colour
four-cornered
four-coupled
four-cutter
four-cycle
four-cylinder
four-cylindred
four-day
four-deal bridge
four-deck
four-decked
four-decker
four-dimensional
four-dimensional geometry
four-dimensional space
four-dimensioned
four-dollar
four-edged
four-em space
four-eyed
four-eyed fish
four-eyed opossum
four-eyes
four-faced
four-figured
four-fingered
four-flowered
four-flush
four-flusher
four-flushing
four-foot
four-foot octave
four-foot stop
four-footed
four-footed butterfly
four-footer
four-four time
four-gallon
four-grain
four-gram
four-gun
four-hand
four-handed
four-hander
four-headed
four-horned
four-horse
four-horsed
four-hour
four-hours
four-hundred-day clock
four-in-hand
four-in-hand coach
four-in-hand etc
four-in-hand tie
four-inch
four-leaf
two-leaf clover
two-leafed
two-leaved
two-leaved grass
two-legged
two-letter
two-lettered
two-letter word
two-lettered
two-line
two-line octave
two-lined
two-lobed
two-masted
two-masted bark
two-masted brig
two-master
two-minute
two-minute man
two-month
two-o’clock
two-oar
two-oared
two-oared
two-o’clock family
two-ounce
two-part
two-part diaphony
two-part flask
two-part harmony
two-part time
two-percenter
two-phase
two-place
two-ply
two-post
two-posted
two-poster
two-poster bed
two-pound
two-quarter
two-rayed
two-rayed
two-roomed
two-rowed
two-rowed barley
two-second
four-shilling
four-sided
four-spined
four-spot
four-spotted
four-square
four-star general
four-storied
four-story
four-stranded
four-stringed
four-striped
four-striper
four-stroke
four-stroke cycle engine
four-stroke-cycle
four-tailed bandage
four-three-two-one rule
four-time
four-times-accented
four-tined
four-toed
four-toes
four-ton
four-tooth
four-up etc
four-way
four-way cock
four-way switch
four-week
four-wheel
four-wheel drive
four-wheeled
four-wheeler
four-winged
four-yard
four-year
four-year college
four-year-old
four-year-older
fourfold block
fourfold purchase
fourfold tackle
fourier series
fourpence hapenny
fourscore and ten
fourth class
fourth dimension
fourth estate
fourth of july
fourth part
fourth person
fourth position
fourth stomach
fourth wall
fourth-born
fourth-class
fourth-class mail
fourth-dimensional
fourth-form
fourth-hand
fourth-rate
fourth-rateness
fourth-rater
fourth-year
fovea centralis
fowl cherry
fowl cholera
fowl grass
fowl leukemia
fowl leukosis
fowl meadow grass
fowl mite
fowl paralysis
fowl part
fowl pest
fowl pox
fowl spirochaetosis
fowl spirochetosis
fowl tick
fowl typhoid
fowling piece
fowling-piece
fowls of the air
fox and geese
fox bat
fox bolt
fox brush
fox docken
fox dog
fox fire
fox geranium
fox goose
fox grape
fox grass
fox hair
fractional note
fractional-pitch
fractocumulus cloud
fracture one
fragile health
fragmentation bomb
fragmentation grenade
fragrance control
fragrant as new-mown hay
fragrant sumac
fragrant weed
fraid-cat
fraidy-cat
frail health
frail humanity
frail sister
frail-bodied
frame aerial
frame assembler
frame bar
frame bend
frame boat
frame brazer
frame breaker
frame breaking
frame bridge
frame builder
frame building
frame cleaner
frame construction
frame cottage
frame dam
frame door
frame doubler
frame dresser
frame driller
frame dwelling
frame finisher
frame fitter
frame gate
frame house
frame line
frame lumber
frame maker
frame making
frame molding
frame of mind
frame of reference
fraternal feeling
fraternal insurance
fraternal order
fraternal society
fraternal twin
fraternal twins
fraternity house
fraternity man
fraternize with
fraud order
fraudulent voter
fraught with danger
fraught with doom
fraught with significance
frayed nerves
frazzled nerves
freak accident
freak of nature
freak out
freak out on
freak show
freak-out
freaked out
freaked-out
freakish inspiration
freckle-faced
freckled-faced
fred-stole
free abstraction
free abstractionist
free admission
free agent
free air
free alongside ship
free alongside vessel
free alternating current
free and clear
free and common socage
free and easy
free as a bird
free as air
free as the wind
free ascent
free association
free association test
free atmosphere
free balloon
free ballooning
free bench
free bid
free capital
free choice
free church
free churchman
free citizen
free city
free coinage
free companion
free company
free competition
free cost
free course
free decision
free delivery
free diver
free diving
free economy
free electron
free electron theory of metals
free energy
free enterprise
free enthalpy
free expansion
free expressionism
free expressionist
free fall
free flight
free for nothing
free for the asking
free form
free from
free gift
free giver
free gold
free goods
free gratis
free gratis for nothing
free hand
free house
free kick
free labour
free lance
free list
free liver
free living
free love
free lover
free lunch
free milling
free morpheme
free nation
free of
free of charge
free of cost
free of expense
free on board
free on rail
free pass
free person
free perspective
free play
free port
free press
free radical
free reach
free reaching
free ride
free rider
free school
free scope
free silver
free silverism
free silverite
free socage
free soi
free soil
free speech
free spirit
free state
free thought
free throw
free throw line
free ticket
free time
free trade
free trade area
free trader
free translation
free up
free variable
free variation
free verse
free vote
free will
free with your money
free world
free yourself
free yourself from
free zone
free-acting
free-air ionization chamber
free-armed
free-associate
free-associated
free-associating
free-banking
free-bestowed
free-blown
free-board
free-boot
free-bored
free-born
free-bred
free-burning
free-denizen
free-enterprise
free-enterprise economy
free-enterprise system
free-falling
free-floating
free-floating anxiety
free-flowering
free-flowing
free-footed
free-for-all
free-form
free-going
free-grown
free-hand
free-handed
free-handedly
free-handedness
free-hearted
free-lance
free-lance worker
free-lance writer
free-lancer
free-liver
free-living
free-lovism
free-machining
free-minded
free-mindedly
free-mindedness
free-mouthed
free-moving
free-quarter
free-quarterer
free-range
free-reed
free-rider
free-select
free-silver
free-soil
free-soiler
free-soilism
free-space aerial
free-speaking
free-spending
free-spirited
free-spoken
free-spokenly
free-spokenness
free-standing
free-stone
free-swimmer
free-swimming
free-tailed
free-thinker
free-throw
free-tongued
free-trade
free-trader
free-trading
free-tradist
free-versifier
free-willed
free-willer
free-working
freeboard deck
freeboard length
freedom abused
freedom fighter
freedom from fear
freedom from illusion
freedom from want
freedom from war
freedom of speech
freedom of speech and expression
freedom of the city
freedom of the press
freedom of the seas
freedom of worship
freedom ride
freedom rider
freehand drawing
freeing port
freewill baptist
freewill offering
freeze on
freeze out
freeze over
freeze solid
freeze the blood
freeze to
freeze to death
freeze your balls off
freeze-dried
freeze-dry
freeze-drying
freeze-out
freeze-up
freezer burn
freezer locker
freezer ship
freezing cold
freezing drizzle
freezing machine
freezing mixture
freezing point
freezing process
freezing rain
freezing weather
freezing wind
freezing works
freight agent
freight bill
freight boat
freight broker
freight canvasser
freight car
freight clerk
freight conductor
freight density
freight elevator
freight engine
freight forwarder
freight handler
freight house
freight insurance
freight locomotive
freight mileage
freight note
freight rate
freight receipt
freight room
freight shed
freight steamer
freight tariff
freight ton
freight traffic
freight train
freight transport
freight truck
freight vessel
freight wagon
freight with
freight-mile
freighted with doom
freighted with significance
french bulldog
french chalk
french chop
french crown
french door
french dressing
french endive
french fry
french heel
french horn
french leave
french pastry
french polish
french telephone
french toast
french window
french-like
frenzy of desire
frenzy of lust
frequency band
frequency changer
frequency control
frequency converter
frequency curve
frequency distribution
frequency divider
frequency doubler
frequency histogram
frequency indicator
frequency meter
frequency modulation
frequency multiplier
frequency polygon
frequency recorder
frequency relay
frequency spectrum
frequency swing
frequency width
frequency-modulated
frequent as a customer
fresco painting
fresco secco
fresh air
fresh as April
fresh as a daisy
fresh as a rose
fresh as the morning dew
fresh breeze
fresh foods
fresh gale
fresh start
fresh up
fresh water
fresh wind
fresh-baked
fresh-boiled
fresh-caught
fresh-cleaned
fresh-coined
fresh-colored
fresh-complexioned
fresh-cooked
fresh-cropped
fresh-cut
fresh-drawn
fresh-faced
fresh-fallen
fresh-killed
fresh-laid
fresh-leaved
fresh-looking
fresh-made
fresh-painted
fresh-picked
fresh-run
fresh-slaughtered
fresh-washed
fresh-water
fresh-water drum
fresh-water nymph
fresh-water sailor
fresh-watered
freshen the air
freshen up
freshman week
freshman year
freshwater drum
freshwater lake
freshwater stay
fresno scraper
fret and fume
fret at
fret saw
fret-sawing
friar rush
friar skate
friar's balsam
friar's chair
friar's lantern
fribble away
friction ball
friction band
friction belt
friction block
friction board
friction brake
friction breccia
friction clamp
friction clutch
friction composition
friction cone
friction disk
friction drill
friction drive
friction electricity
friction factor
friction fremitus
friction fuse
friction gear
friction gearing
friction glazing
friction head
friction horsepower
friction layer
friction loss
friction machine
friction match
friction pile
friction powder
friction primer
friction pulley
friction ring
friction roller
friction rub
friction saw
friction slip
friction socket
friction sound
friction tape
friction test
friction top
friction tube
friction washer
friction wheel
friction-head
friction-saw
friction-sawed
friction-sawing
friction-sawn
friction-tight
frictional electricity
frictional resistance
frictional rustling
fried eggs
fried rice
friend at court
friend in court
friend in need
friend indeed
friend of the court
friend of your bosom
friendly chat
friendly relations
friendly society
friendly talk
friendly with
friends with
frieze board
frieze coat
frieze rail
frieze-coated
frigate bird
frigate mackerel
frigate pelican
frigate-built
fright disease
fright neurosis
frighten from your propriety
frighten off
frighten out of your senses
frighten out of your wits
frightened out of your wits
frightening off
frightful bore
frightfully rich
frigid purgatorial fires
frigid zone
frill shark
frill-bark
frill-barking
frill-like
frilled lizard
frills and furbelows
fringe area
fringe benefit
fringe benefits
fringe bush
fringe cup
fringe moss
fringe tree
fringe-bell
fringe-toed lizard
fringe-tree bark
fringed brome
fringed galax
fringed gentian
fringed orchis
fringing forest
fringing reef
frise aileron
frit fly
frit-fly
frith-guild
frith-stool
fritter away
fritter away time
fritto misto
frivol away
frivolity-proof
frizzle disease
frizzle fowl
frock coat
frock-coat
frog boot
frog cheese
frog clock
frog crab
frog fly
frog grass
frog hair
frog kick
frog legs
frog lily
frog number
frog pad
frog plant
frog shell
frog spawn
frog spit
frog spittle
frog's-bit
frog-belly
frog-bit
frog-eyed
frog-fish
frog-march
frog-mouth
frog-spawn
frogbit family
from A to Z
from A to izzard
from Dan to Beersheba
from Missouri
from afar
from age to age
from all points of the compass
from all quarters
from away back
from bad to worse
from beginning to end
from better to worse
from clew to earing
from cover to cover
from day to day
from door to door
from egg to apples
from end to end
from everlasting to everlasting
from every quarter
from everywhere
from first to last
from force of habit
from habit
from hand to hand
from hand to mouth
from head to foot
from hell to breakfast
from here in
from here on
from here out
from here to eternity
from here to the back of beyond
from his own mouth
from home
from hour to hour
from information received
from interested motives
from me to you
from memory
from necessity
from notice given
from now on
from now on in
from now till doomsday
from on high
from out in left field
from pillar to post
from pole to pole
from rags to riches
from scratch
from selfish motives
from side to side
from soup to nuts
from stem to stern
from that cause
from that time
from the beginning
from the bottom of your heart
from the cradle to the grave
from the first
from the foundations
from the four winds
from the ground up
from the heart
from the horse's mouth
from the housetops
from the lips of
from the rolls
from the sticks
from the womb to the tomb
from the word 'go'
from then on
from this moment on
from this point
from this time
from this time forward
from time immemorial
from time out of mind
from time to time
from top to bottom
from top to toe
from what cause
from what you can gather
from your angle
from your book
from your heart
from your standpoint
from your viewpoint
fromage a la pie
fromage blanc
front a front
front bench
front court
front crawl
front door
front elevation
front foot
front for
front line
front man
front matter
front money
front of house
front office
front ofice
front on
front page
front position
front rank
front room
front runner
front scene
front view
front window
front-connected
front-fanged
front-focus
front-focused
front-foot
front-page
front-paged
front-paging
front-porch campaign
front-rank
front-ranker
front-runner
front-wheel
frontal assault
frontal attack
frontal bone
frontal convolution
frontal cyclone
frontal gyrus
frontal lobe
frontier post
frontiers of knowledge
fronto-
frost bearer
frost blow
frost feathers
frost flowers
frost grape
frost gray
frost heave
frost heaving
frost insurance
frost lamp
frost line
frost mist
frost over
frost plant
frost point
frost ring
frost signal
frost smoke
frost snipe
frost snow
frost valve
frost-beaded
frost-bit
frost-bite
frost-bitten
frost-blite
frost-bound
frost-burnt
frost-chequered
frost-concocted
frost-congealed
frost-covered
frost-crack
frost-fettered
frost-firmed
frost-free
frost-hardy
frost-hoar
frost-kibed
frost-nip
frost-nipped
frost-pure
frost-rent
frost-ridge
frost-riven
frost-tempered
frost-work
frosted glass
frosted heart
frosted lens
frosted shake
frostweed aster
frosty green
frosty mildew
frosty-face
frosty-faced
frosty-mannered
frosty-natured
frosty-spirited
frosty-whiskered
froth at the mouth
froth flotation
froth fly
froth hopper
froth insect
froth spit
froth worm
froth-becurled
froth-born
froth-clad
froth-faced
froth-foamy
frothing at the mouth
frou-frou
frown at
frown down
frown upon
frowned-upon behavior
frowns of fortune
frowzy-headed
frozen assets
frozen custard
frozen daiquiri
frozen dessert
frozen fog
frozen food
frozen foods
frozen in
frozen music
frozen out
frozen pudding
frozen solid
frozen to death
frozen water
frozen-food locker
fructose intolerance
frugal to excess
fruit acid
fruit bar
fruit bark beetle
fruit barrel
fruit basket
fruit bat
fruit bearing
fruit belt
fruit blight
fruit blossom
fruit body
fruit bowl
fruit bud
fruit bug
fruit bush
fruit buyer
fruit cake
fruit can
fruit cane
fruit canner
fruit canning
fruit chafer
fruit cocktail
fruit compote
fruit crate
fruit crow
fruit culture
fruit cup
fruit dealer
fruit dish
fruit dot
fruit eater
fruit envelope
fruit ether
fruit evaporator
fruit farm
fruit farmer
fruit farming
fruit flavor
fruit fly
fruit garden
fruit grader
fruit jar
fruit jelly
fruit juice
fruit knife
fruit loft
fruit machine
fruit package
fruit packer
fruit packing
fruit peddler
fruit peel
fruit picker
fruit picking
fruit pigeon
fruit pit
fruit pitter
fruit preservative
fruit preserver
fruit pudding
fruit raiser
fruit raising
fruit ranch
fruit rot
fruit salad
fruit seller
fruit set
fruit shipper
fruit shop
fruit show
fruit sirup
fruit slicer
fruit sorter
fruit soup
fruit spot
fruit sprayer
fruit spur
fruit stall
fruit stand
fruit strainer
fruit sugar
fruit tart
fruit tree
fruit vendor
fruit vinegar
fruit wood
fruit-bringing
fruit-candying
fruit-drying
fruit-eating
fruit-eating bird
fruit-evaporating
fruit-grower
fruit-growing
fruit-paring
fruit-producing
fruit-tree bark beetle
fruit-tree leaf roller
fructing body
fruits and vegetables
frustum of a pyramid
fry cook
fry-cooker
fry-pan
frying pan
frying-pan
ft-lb
ft-pdl
fu-yang
fuchsia purple
fuchsia red
fuchsia tree
fuchsia-flowered
fuck about
fuck up
fuddle-brained
fuddling cup
fuddling glass
fuddy-duddies
fuddy-duddiness
fuddy-duddy
fudge edge
fudge in
fudge together
fudge up
fudge wheel
fuel additive
fuel cell
fuel dope
fuel element
fuel engineer
fuel engineering
fuel filter
fuel injection
fuel injector
fuel oil
fuel quantity indicator
fuel ship
fuel up
fuel-flow meter
fugae warrant
fugie warrant
fugue form
fugue state
fulfill a short sale
fulfill your duty
fulfill your military obligation
fulfill your role
fulgurant pain
full age
full and by
full authority
full beard
full binding
full blast
full blood
full bloom
full board
full bottom
full bridle
full circle
full color
full consent
full cousin
full denture
full development
full dress
full feather
full fig
full flavor
full force
full frame
full gainer
full gallop
full growth
full hand
full house
full length
full linear group
full load
full lot
full many
full many a time
full many a time and oft
full meal
full measure
full moon
full mouthed
full name
full nelson
full of
full of Dutch courage
full of beans
full of business
full of enthusiasm
full of fight
full of go
full of hate
full of hatred
full of holes
full of hope
full of incident
full of integrity
full of life
full of life and vigor
full of meaning
full of mischief
full of pep
full of piss and vinegar
full of point
full of promise
full of remorse
full of risk
full of sound and fury
full of substance
full of sweet days and roses
full of yourself
full particulars
full permission
full pitch
full power
full powered
full pratique
full professor
full purse
full radiator
full rhyme
full sail
full scope
full score
full sentence
full shot
full size
full skirt
full speed
full speed ahead
full speed astern
full stop
full sun
full swing
full term
full tide
full tilt
full time
full to bursting
full toss
full trailer
full twist
full vowel
full wine
full word
full-accomplished
full-acorned
full-adjusted
full-annealing
full-armed
full-assembled
full-assured
full-attended
full-banked
full-beaming
full-bearded
full-bearing
full-bellied
full-blood
full-blooded
full-bloodedness
full-bloomed
full-blossomed
full-blown
full-bodied
full-bodied flavor
full-boled
full-bore
full-born
full-bosomed
full-bottom
full-bottomed
full-bound
full-bowed
full-brained
full-breasted
full-brimmed
full-buckramed
full-built
full-busted
full-buttocked
full-cell
full-celled
full-centered
full-charge
full-charged
full-cheeked
full-chested
full-chilled
full-clustered
full-colored
full-crammed
full-cream
full-crew
full-crown
full-cut
full-depth
full-diamond
full-diesel
full-digested
full-distended
full-draught
full-drawn
full-dress
full-dress suit
full-dress uniform
full-dressed
full-dug
full-eared
full-edged
full-exerted
full-extended
full-eyed
full-faced
full-fashioned
full-fashioned stockings
full-fatted
full-feathered
full-fed
full-feed
full-feeding
full-felled
full-fidelity speaker
full-figured
full-finished
full-fired
full-flanked
full-flavored
full-fledged
full-fleshed
full-floating
full-flocked
full-flowering
full-flowing
full-foliaged
full-form
full-formed
full-fortuned
full-fraught
full-freight
full-freighted
full-frontal
full-fronted
full-fruited
full-glowing
full-gorged
full-grown
full-haired
full-hand
full-handed
full-hapinessed
full-hard
full-haunched
full-headed
full-hearted
full-hipped
full-hot
full-jeweled
full-jointed
full-known
full-laden
full-leather
full-leaved
full-length
full-leveled
full-licensed
full-limbed
full-lined
full-lipped
full-load
full-made
full-manned
full-measured
full-minded
full-moon
full-moon maple
full-mouthed
full-mouthedly
full-natured
full-necked
full-nerved
full-opening
full-orbed
full-out
full-page
full-paid
full-panoplied
full-paunched
full-personed
full-pitch
full-pitch winding
full-plumed
full-power
full-powered
full-proportioned
full-pulsing
full-rayed
full-resounding
full-rigged
full-rigged ship
full-rigger
full-ripe
full-ripened
full-roed
full-run
full-sailed
full-scale
full-scantling vessel
full-sensed
full-sharer
full-shouldered
full-shroud
full-size
full-sized
full-skirted
full-souled
full-speed
full-sphered
full-spread
full-stage
full-statured
full-stomached
full-strained
full-streamed
full-strength
full-stuffed
full-summed
full-swelling
full-term
full-throated
full-tide
full-time
full-time worker
full-timed
full-timer
full-to-full
full-toned
full-top
full-trimmed
full-tuned
full-turn stair
full-tushed
full-uddered
full-value
full-voiced
full-volumed
full-wave
full-wave rectification
full-wave rectifier
full-wave rectifier tube
full-way
full-weight
full-weighted
full-whiskered
full-winged
full-witted
fuller's earth
fuller's teasel
fullering tool
fulling mill
fulling stock
fullness of time
fully developed
fully fashioned
fully fledged
fully realized
fulminate against
fulminating compound
fulminating mercury
fulminating powder
fulminic acid
fulvous tree duck
fumic acid
fumble-fist
fume chamber
fume cupboard
fumed oak
fumes of fancy
fuming nitric acid
fuming sulfuric acid
fuming sulphuric acid
fumitory family
fun and games
fun fair
fun house
fun-fair
fun-filled
fun-loving
fun-seeking
function as
function class
function shift
function space
function word
functional analysis
functional calculus
functional design
functional disease
functional furniture
functional group
functional housing
functional illiteracy
functional illiterate
functional load
functional nervous disorder
functional psychology
functional psychosis
functional representation
functional shift
functional yield
functionally illiterate
functions of
fund-raising dinner
fundamental bass
fundamental colors
fundamental frequency
fundamental idea
fundamental law
fundamental note
fundamental particle
fundamental sequence
fundamental theorem of algebra
fundamental theorem of calculus
fundamental tone
fundamental unit
funded debt
funding system
funeral car
funeral chapel
funeral church
funeral coach
funeral customs
funeral director
funeral establishment
funeral home
funeral march
funeral oration
funeral parlor
funeral parlour
funeral pile
funeral procession
funeral pyre
funeral ring
funeral rites
funeral sermon
funeral service
funeral song
funeral urn
funeral vessel
funerary customs
funerary urn
funerary vessel
fungi-
fungiform papillae
fungo bat
fungus body
fungus bug
fungus disease
fungus gall
fungus gnat
fungus stone
fungus tinder
fungus-covered
fungus-digesting
fungus-proof
funicular railway
funk hole
funk out
funky chicken
funnel breast
funnel chest
funnel cloud
funnel maker
funnel setter
funnel tube
funnel twister
funnel-breasted
funnel-chested
funnel-fashioned
funnel-formed
funnel-necked
funnel-shaped
funnel-web
funny bone
funny business
funny car
funny farm
funny feeling
funny paper
funny story
funny thing
fur bearer
fur beater
fur blocker
fur blower
fur breeder
fur brigade
fur brusher
fur buyer
fur coat
fur farm
fur farmer
fur farming
fur lining
fur salon
fur seal
fur tanner
fur trader
fur trapper
fur trapping
fur trimming
fur-bearing
fur-capped
fur-clad
fur-coated
fur-collared
fur-cuffed
fur-gowned
fur-lined
fur-lined coat
fur-touched
fur-trimmed
fur-trimmed coat
furbish up
furious rabies
furious rage
furious-faced
furl in a body
furl in the bunt
furnace bricklayer
furnace builder
furnace cadmium
furnace calciner
furnace charger
furnace charging
furnace engineer
furnace erector
furnace feeder
furnace fireman
furnace heating
furnace keeper
furnace liner
furnace lining
furnace maker
furnace mounter
furnace oil
furnace regulator
furnace repairer
furnace stoker
furnace tender
furnace tenter
furnace watcher
furnish accommodations
furnish evidence
furnish support
furniture arrangement
furniture broker
furniture carving
furniture designer
furniture enameler
furniture finisher
furniture fitter
furniture japanner
furniture maker
furniture mover
furniture packer
furniture painter
furniture polish
furniture polisher
furniture porter
furniture repairer
furniture store
furniture turning
furniture van
furor epilepticus
furor loquendi
furor uterinus
furr-ahin
furring brick
furring strip
furrow drain
furrow drainage
furrow draining
furrow irrigation
furrow pan
furrow weed
furrow-cloven
furrow-faced
furrow-fronted
furry creatures
further education
further look
further yourself
fury of desire
fury of lust
fury-driven
fury-haunted
fury-moving
furze lark
furze wren
furze-clad
fusarium wilt
fusco-
fusco-ferruginous
fusco-piceous
fusco-testaceus
fuse block
fuse box
fuse gauge
fuse link
fuse metal
fused quartz
fused silica
fusel oil
fusi-
fusible alloy
fusible metal
fusing disk
fusion bomb
fusion point
fusion reaction
fusion reactor
fusion welding
fuss and feathers
fuss at
fuss up
fuss-budget
fuss-budgety
fusty-framed
fusty-looking
fusty-rusty
futtock band
futtock chain
futtock hoop
futtock plate
gad so
gad-bee
gad-fly
gadget bag
gaff sail
gaff topsail
gaff-headed sail
gaff-rigged
gaff-topsail
gaff-topsail catfish
gaff-topsail pompano
gag law
gag on
gag order
gag press
gag rein
gag resolution
gag rule
gag runner
gag swivel
gag writer
gag-bit
gag-check
gag-reined
gag-tooth
gaga over
gage green
gage of battle
gain a footing
gain a good knowledge of
gain a hearing
gain a hold upon
gain a thorough knowledge of
gain admittance
gain altitude
gain by
gain command of
gain entree
gain ground
gain influence
gain knowledge
gain knowledge of
gain on
gain over
gain recognition
gain sharing
gain strength
gain the ascendancy
gain the confidence of
gain the day
gain the friendship of
gain the upper hand
gain the whip hand
gain time
gain to windward of
gain understanding of
gain upon
gain weight
gain your end
gain your ends
gain your liberty
gain-
gain-giving
gaining altitude
gaining head
gaining machine
gaining twist
gaited horse
gaiter tree
gaiter-in
gal Friday
gala affair
gala day
galact-
galactic circle
galactic cluster
galactic coordinates
galactic distance
galactic equator
galactic latitude
galactic longitude
galactic nebula
galactic noise
galactic plane
galactic pole
galactic poles
galactic space
galacto-
galam butter
galanga root
galanty show
gale day
gale warning
gale-driven
galena glaze
gales of laughter
galimeta wood
gall and wormwood
gall bag
gall bladder
gall cyst
gall duct
gall fig
gall gnat
gall midge
gall mite
gall oak
gall passage
gall pipe
gall sickness
gall sickness bush
gall wasp
gall wind
gall-fly
gall-less
gall-like
gall-nut
gall-stone
galla ox
gallant soldier
gallantry under fire
gallery forest
gallery gods
gallery organ
gallery road
galleta grass
galley chase
galley foist
galley halfpenny
galley press
galley proof
galley punt
galley slave
galley slice
galley slug
galley stove
galley worm
galley-fashion
galley-man
galley-slave
galley-tile
galley-west
gallic acid
gallo-
gallo-tannate
gallo-tannic
gallop rhythm
galoper gun
galloping dandruff
galloping dominoes
gallow pulley
gallow tree
gallows balk
gallows bird
gallows bitts
gallows frame
gallows humor
gallows humour
gallows tree
gallows-bird
gallows-grass
gallows-tree
gally tile
galois theory
galvanic battery
galvanic cell
galvanic circle
galvanic circuit
galvanic couple
galvanic current
galvanic electricity
galvanic pile
galvanic shock
galvanic skin response
galvanized iron
galvano-
gam-
gama grass
gamba bass
gamba goose
gamba stop
gamben bass
gamble away
gamble on
gamble with
gambling chance
gambling debt
gambling den
gambling device
gambling hall
gambling hell
gambling house
gambling odds
gambling table
gambling wheel
gambo goose
gambo hemp
gamboge yellow
gambrel roof
gambrel stick
gambrel-roofed
game act
game bag
game beast
game bird
game cart
game chips
game debt
game dog
game farmer
game fish
game fowl
game hawk
game hunter
game hunting
game law
game laws
game loser
game of chance
game of skill
game pie
game plan
game point
game preserve
game refuge
game reserve
game room
game sanctuary
game season
game shooting
game theory
game to the backbone
game to the end
game to the last
game warden
game-cock
game-destroying
game-fowl
game-law
gamelan orchestra
games all
games master
games mistress
games of chance
games theory
games-player
gamet-
gameto-
gaming contract
gaming house
gaming room
gaming table
gaming-proof
gamma acid
gamma decay
gamma distribution
gamma function
gamma globulin
gamma infinity
gamma iron
gamma moth
gamma nasal
gamma radiation
gamma radiator
gamma ray
gamma ray counter
gamma rays
gammon iron
gammon-faced
gammon-visaged
gamo-
gander month
gander pull
gandy dancer
gang along
gang around
gang cask
gang center
gang cultivator
gang drill
gang edger
gang hook
gang mill
gang plough
gang plow
gang press
gang punch
gang saw
gang sawyer
gang switch
gang tool
gang tooth
gang up
gang up on
gang up with
gang war
gang warfare
gang week
gang-board
gang-cask
gang-days
gang-flower
gang-plank
gang-week
ganging plea
gangle-shanked
gangli-
ganglion cell
ganglion crest
gangliionic blocking agent
gangway board
gangway ladder
gannet paper
gantry crane
gantry scaffold
gaol delivery
gap lathe
gap-frame press
gap-toothed
gape for
gape-gaze
gape-seed
gaping chasm
gaping depths
gapped scale
gar pike
gar-pike
garab tree
garage sale
garam masala
garand rifle
garb willow
garbage barrel
garbage burner
garbage can
garbage cart
garbage collector
garbage conveyer
garbage destructor
garbage digestor
garbage drier
garbage dump
garbage grease
garbage incinerator
garbage man
garbage pail
garbage plant
garbage reducer
garbage tank
garbage tankage
garbage truck
garbage wagon
garble accounts
garboard plank
garboard strake
garbutt rod
garde du corps
garde-collet
garde-du-corps
garde-feu
garde-feux
garde-manger
garde-reins
garden apartment
garden balm
garden balsam
garden bond
garden bugloss
garden burnet
garden buttercup
garden camomile
garden cart
garden catchfly
garden celandine
garden centre
garden chafer
garden chair
garden cicely
garden city
garden columbine
garden cress
garden culture
garden cypress
garden egg
garden flea
flower flea
flower fly honeysuckle
flower frame
flower garth
flower geranium
flower ginger
flower glass
flower heliotrope
flower hoe
flower hose
flower house
flower huckleberry
flower hyssop
flower lemon
flower mint
flower mold
flower nasturtium
flower nightshade
flower of the Gods
flower of the Hesperides
flower orach
flower orpine
flower party
flower path
flower patience
flower pepper
flower pepper cress
flower peppergrass
flower persicary
flower phlox
flower pink
flower plague
flower plow
flower poppy
flower portulaca
flower purslane
flower rocket
flower roller
flower sage
flower sauce
flower sculpture
flower seat
flower snail
flower sorrel
flower spade
flower speedwell
flower spider
garden spot
garden spurge
garden suburb
garden syringa
garden tickseed
garden trowel
garden truck
garden valerian
garden variety
garden verbena
garden violet
garden wall
garden warbler
garden webworm
garden white
garden-gate
garden-house
garden-seated
garden-variety
garden-wall bond
gardener bird
gardenwall bond
gardes du corps
gardez la foi
gare-fowl
garget plant
garget root
garland chrysanthemum
garland crab
garland crab apple
garland flower
garland larkspur
garlic bread
garlic butter
garlic germander
garlic mustard
garlic oil
garlic pear
garlic powder
garlic sage
garlic salt
garlic shrub
garlic tree
garment center
garment maker
garment making
garment parts
garment presser
garner of facts and fancies
garner up
garnet brown
garnet hinge
garnet jade
garnet lac
garnet paper
garnet-breasted
garnet-colored
garnet-red
garnish bolt
garnishee order
garrison cap
garrison finish
garrison flag
garrison house
garrison prisoner
garrison rations
garrison school
garrison state
garter belt
garter blue
garter snake
garter stitch
garter stockings
garter-blue
garth cress
gas analyzer
gas attack
gas bacillus
gas balloon
gas battery
gas bender
gas black
gas bladder
gas bomb
gas buoy
gas burner
gas cap
gas carbon
gas cell
gas chamber
gas chromatography
gas coal
gas coke
gas company
gas concrete
gas conduction
gas constant
gas counter
gas cutting
gas detector
gas disease
gas electrode
gas engine
gas engineer
gas engineering
gas explosion
gas field
gas filler
gas fitter
gas fitting
gas fittings
gas fixture
gas focusing
gas furnace
gas gangrene
gas generator
gas grenade
gas harmonicon
gas heat
gas heater
gas heating
gas helmet
gas jet
gas lamp
gas law
gas laws
gas lighter
gas lime
gas liquor
gas log
gas machine
gas main
gas mantle
gas mask
gas meter
gas motor
gas oil
gas oven
gas phlegmon
gas phototube
gas pipe
gas plant
gas plate
gas pliers
gas poker
gas polarization
gas producer
gas propulsion
gas range
gas refrigeration
gas refrigerator
gas ring
gas sand
gas separator
gas shaft
gas shell
gas spectrum
gas spurs
gas station
gas stove
gas tank
gas tap
gas tar
gas thermometer
gas thread
gas trap
gas tube
gas turbine
gas turbine engine
gas turbine jet engine
gas up
gas vent
gas warfare
gas washer
gas water
gas welder
gas welding
gas well
gas zone
gas-absorbing
gas-bag
gas-burning
gas-charged
gas-check
gas-cooled reactor
gas-delivering
gas-discharge lamp
gas-driven
gas-electric
gas-filled
gas-filled tube
gas-fired
gas-fitter
gas-fitting
gas-heat
gas-heated
gas-laden
gas-lampy
gas-light
gas-liquid chromatography
gas-operated
gas-oxygen
gas-plant
gas-producing
gas-propelled
gas-resisting
gas-retort
gas-shaft hood
gas-testing
gaseous envelope
gaseous environment
gaseous medium
gaseous nebula
gaseous state
gash vein
gash-gabbit
gaslight paper
gasoline engine
gasoline gas
gasoline lantern
gasoline locomotive
gasoline propulsion
gasoline shovel
gasoline stove
gasoline tax
gasoline truck
gasoline-electric
gasoline-propelled
gaster-
gastr-
gastraea theory
gastric antacid
gastric digestion
gastric glands
gastric juice
gastric lavage
gastric ulcer
gastro-
gastro-omental
gastrocolic omentum
gastrohepatic omentum
gastrointestinal disease
gastrointestinal tract
gat-toothed
gate bill
gate channel
gate hinge
gate leg
gate money
gate net
gate pin
gate receipts
gate road
gate shear
gate shears
gate table
gate tower
gate valve
gate wheel
gate, the
gate-crash
gate-crasher
gate-keeper
gate-leg
gate-leg table
gate-legged
gate-legged table
gate-netting
gate-post
gateleg table
gatelegged table
gather around
gather courage
gather flesh
gather head
gather in
gather into barns
gather knowledge
gather learning
gather materials
gather to yourself
gather together
gather up
gather way
gather your thoughts
gathered to his fathers
gathering clouds
gathering coal
gathering evidence
gathering hoop
gathering iron
gathering locomotive
gathering machine
gathering of the clouds
gathering pallet
gathering peat
gathering place
gathering reel
gathering ring
gathering rod
gathering shot
gathering table
gatling gun
gaub line
gaude lake
gaudy-day
gaudy-green
gaufre iron
gauge block
gauge board
gauge cock
gauge concussion
gauge die
gauge door
gauge glass
gauge increment
gauge knife
gauge lath
gauge lathe
gauge line
gauge notch
gauge pile
gauge pin
gauge plate
gauge point
gauge saw
gauge stick
gauge stuff
gauge tolerance
gauge weir
gauge wheel
gauged pile
gauging plaster
gaultheria oil
gaunt-bellied
gauze ring
gauze tree
gauze weave
gauze-winged
gavel bread
gavel corn
gavel earth
gavel swine
gay as a lark
gay dance
gay deceiver
gay dog
gay liberation
gay-beseen
gay-chirping
gay-colored
gay-feather
gay-flowered
gay-glancing
gay-green
gay-hued
gay-humored
gay-looking
gay-motleyed
gay-painted
gay-seeming
gay-smiling
gay-spent
gay-spotted
gay-tailed
gay-throned
gaze at
gaze open-mouthed
gaze upon
gaze-hound
gazelle brown
gazelle hound
gazelle-boy
gazelle-eyed
gazer-on
gazetted officer
gazing ball
gazing-stock
ge-
gear box
gear brusher
gear case
gear cutter
gear down
gear fitter
gear forger
gear hobber
gear lever
gear maker
gear miller
gear oiler
gear pump
gear ratio
gear roller
gear shaper
gear shifter
gear to
gear train
gear up
gear wheel
gear-cutting
gear-driven
gear-operated
gear-wheel pump
g pared-head lathe
gearing chain
gearless traction
gee ho
gee pole
gee string
gee up
gee up!
gee whillikins
gee whiz
gee whizz
g ee-gee
g ee-haw
g ee-throw
g ee-up
gefilte fish
gefilte fish
gefullte fish
gefulte fish
gegen-ion
gehockte leber
g eingen principal
g eiger counter
g eiger tree
g eiger-muller tube
g ei l fine
g eisha girl
gel filtration
gel mineral
gelada baboon
gelatin dynamite
gelatin emulsion
gelatin filter
gelatin maker
gelatin molder
gelatin process
gelatin slide
gelatin-coated
gelatino silver bromide
gelatino-
gem carver
gem cutter
gem cutting
gem designer
gem engraver
gem fancier
gem grinder
gem jade
gem list
gem of the first water
gem peg
gem setter
gem stick
gem stone
gem stones
gem-bearing
gem-bedewed
gem-bedizened
gem-bespangled
gem-bright
gem-cutting
gem-decked
gem-engraving
gem-faced
gem-fruit
gem-grinding
gem-set
gem-spangled
gemel bar
gemel bottle
gemel hinge
gemel ring
gemel window
gemma cup
gen up
gen-
genappe yarn
gendarme blue
gene complex
gene flow
gene frequency
gene mutation
gene pool
gene-string
genealogical tree
general acclamation
general adaptation syndrome
general agent
general agreement
general anaesthetic
general anesthetic
general assembly
general aviation
general belief
general confession
general consent
general court
general court-martial
general delivery
general demurrer
general dentistry
general dictionary
general discharge
general education
general election
general expenses
general headquarters
general hospital
general idea
general information
general knowledge
general lien
general linguistics
general medicine
general mortgage bond
general obligation bond
general of the air force
general of the armies
general of the army
genral officer
genral order
genral orders
genral paralysis
general paralysis of the insane
general paresis
general partner
general partnership
general post office
general practice
general practitioner
general precession
general principle
general prior
general public
general reconnaissance
general reference map
general rule
general run
general semantics
general servant
general sessions
general solution
general staff
general store
general strike
general studies
general surgery
general theory of relativity
general truth
general uprising
general voice
general war
general will
general-duty nurse
general-purpose
generalized coordinates
generalized other
generalized proposition
generally accepted
generally admitted
generally capable
generally speaking
generate electricity
generating station
generating tone
generation gap
generation of man
generative cell
generative grammar
generative semantics
generator gas
generator unit
generic name
generic resemblance
generous-hearted
genethliac astrology
genetic code
genetic disease
genetic drift
genetic engineering
genetic fallacy
genetic individual
genetic method
genetic psychology
genetically related
geneva bands
geneva convention
geneva cross
geneva gown
genio-
genitive absolute
genito-
genius domus
genius familae
genius for
genius loci
genius tutelae
gen-
genoa foresail
genoa jib
genre painter
genre painting
gens d'armerie
genteel comedian
genteel comedy
genteel poverty
gentian blue
gentian family
gentian root
gentian violet
gentianic acid
gentile-falcon
gentility manners
gentilis-
genitisic acid
gentle art
gentle as a lamb
gentle breeze
gentle contact
gentle craft
gentle hint
gentle melancholy
gentle sex
gentle sleep
gentle slope
gentle wind
gentle-born
gentle-bred
gentle-browed
gentle-eyed
gentle-handed
gentle-handedly
gentle-handedness
gentle-looking
gentle-mannered
gentle-manneredly
gentle-manneredness
gentle-minded
gentle-mindedly
gentle-mindedness
gentle-natured
gentle-naturedly
gentle-naturedness
gentle-spoken
gentle-spokenly
gentle-spokenness
gentle-voiced
gentle-voicedly
gentle-voicedness
gentleman farmer
gentleman friend
gentleman of fortune
gentleman of leisure
gentleman of the press
gentleman of the road
gentleman's agreement
gentleman's gentleman
gentleman's lounge
gentleman's roo
gentleman-adventurer
gentleman-agent
gentleman-at-arms
gentleman-beggar
gentleman-cadet
gentleman-commoner
gentleman-covenanter
gentleman-dependent
gentleman-digger
gentleman-farmer
gentleman-jailer
gentleman-jockey
gentleman-lackey
gentleman-lodger
gentleman-murderer
gentleman-pensioner
gentleman-porter
gentleman-priest
gentleman-ranker
gentleman-recusant
gentleman-rider
gentleman-scholar
gentleman-sewer
gentleman-tradesman
gentleman-usher
gentleman-vagabond
gentleman-volunteer
gentleman-waiter
gentlemen's agreement
gentlemen-at-arms
gentlemen-commoners
gentlemen-farmers
gentlemen-pensioners
gentoo penguin
genu valgum
genuine object
genus Homo
geo probe
dgeo-navigation
dgeocentric longitude
dgeocentric parallax
dgeodesic dome
dgeodesic geometry
dgeodesic line
dgeodetic engineer
dgeodetic engineering
dgeodetic longitude
dgeodetic satellite
dgeodetic survey
dgeodetic surveying
dgeographic determinism
dgeographic environment
dgeographic longitude
dgeographic range
dgeographical determinism
geographical dictionary
geographical mile
geographically limited
good-spheroid
geoid-spheroid balance
gologic time
gologoical chemistry
gologoical dictionary
gologoical engineer
gologoical engineering
gologoical time periods
gometric figure
gometric isomerism
gometric mean
gometric pace
gometric progression
gometric proportion
gometric ratio
gometric series
geometrical horizon
geometrical lathe
geometrical optics
geometrical pace
geometrical pitch
gometrical progression
gometrical stair
gophysical satellite
gorgia pine
gostrophic wind
gotectonic geology
geranium creeper
geranium family
geranium lake
geranium oil
geranium pink
geriatric disease
ger breeder
ger cell
ger destroyer
ger disease
ger disk
ger gland
ger layer
ger nucleus
ger pathology
ger peg
ger plasm
ger plasma
germ pore
germspot
germ stock
germ theory
germ track
germtube
germ warfare
germ-forming
german breast brothers
german cotillion
german measles
german shepherd
german silver
germander chickweed
germander sage
germander speedwell
germinium crystal triode
germinium oxide
germinium triode
germano-
germincidal lamp
germinal area
germinal disc
germinal disk
germinal imagination
germineral vesicle
germinate from
geront-
geronto-
gerrymandered district
gerund grinder
gerund grindery
gerund grinding
gerund phrase
ges-warp
gestalt psychology
gestalt therapy
gestatorial chair
gesture calligraphist
gesture calligraphy
gesture language
gesture painting
get a bang out of
get a bead on
get a boot out of
get a break
get a bun on
get a charge out of
get a corner on
get a cropper
get a fix
get a foothold
get a footing
get a glimpse of
get a good pennyworth
get a head start
get a hold on
get a hustle on
get a kick out of
get a leg up on
get a lift out of
get a load of
get a loan
get a move on
get a navigational fix
get a noseful of
get a purchase
get a reaction
get a reading
get a response
get a rise out of
get a sense
get a sounding
get a stranglehold on
get a whiff of
get a wiggle on
get a wrong impression
get about
get abroad
get acquainted
get acquire
get across
get afloat
get ahead
get ahead of
get all balled up
get all bollixed up
get all in a lather
get all snarled up
get all tangled up
get all wound up
get along
get along in years
get along on
get along with
get along with you
get along without
get an agent
get an earful
get an eyeful of
get an impression
get an income
get anywhere
get around
get at
get at the ear of
get away
get away from
get away with
get away with it
get away with murder
get back
get back at
get back in shape
get back to earth
get before
get behind
get better
get bogged down
get busy
get by
get by heart
get by hook or by crook
get by on
get by osmosis
get by rote
get chummy with
get clear of
get cold feet
get cozy with
get cracking
get cutting
get done
get down
get down cold
get down from your high horse
get down on your hunkers
get down on your knees
get down on your marrowbones
get down pat
get down to brass tacks
get down to business
get down to cases
get down to nuts and bolts
get drunk
get even
get even with
get excited
get excited about
get exposure
get for free
get for your pains
get free
get free of
get fresh
get from
get funny
get going
get heads together
get hep to
get hers
get high
get high on
get his
get hitched
get hold of
get hold of an idea
get hold of yourself
get home free
get hot under the collar
get huffy
get hung up
get in
get in a bind
get in a box
get in a hole
get in a jam
get in a mess
get in a pincers
get in a rut
get in a word edgewise
get in back of
get in behind
get in connection with
get in contact with
get in formation
get in front of
get in good with
get in hot water
get in line
get in on the ground floor
get in the act
get in the family way
get in the good graces of
get in the harvest
get in the soup
get in the swim
get in there
get in touch with
get in with
get in wrong
get in your hair
get in your own way
get income
going in
get into
get into a dither
get into a pucker
get into a scrape
get into a stew
get into a swivet
get into a tizzy
get into debt
get into favor
get into harness
get into line
get into mischief
get into the way of
get into trouble
get into your clutches
get into your grasp
get into your head
get into your hold
get into your possession
get into your thick head
get it
going it coming and going
get it in the neck
get it into your head
get it off your chest
get it off your mind
get it out of your system
get it out on
get it over
get it over with
get justice
get killed
get knowledge
get left
get letter-perfect
get leverage
get loose
get lost
get mad
get married
get miffed
get mired
get mired down
get moving
get next to
get next to someone
get no better fast
get no place fast
get nowhere
get off
get off a joke
get off cheap
get off on the right
get off scot-free
get off the ground
get off the subject
get off the track
get off to a good start
get off your back
get on
get on credit
get on film
get on good terms with
get on in the world
get on in years
get on out
get on swimmingly
get on the ball
get on the bandwagon
get on the cuff
get on the good side of
get on the in with
get on the job
get on the right side of
get on the wagon
get on the water wagon
get on tick
get on to
get on top
get on trust
get on well
get on well with
get on with
get on your high horse
get on your nerves
get one wrong
get onto
get organized
get out
get out a sheet-anchor
get out of
get out of bed
get out of commission
get out of gear
get out of here
get out of joint
get out of kelter
get out of kilter
get out of line
get out of order
get out of the way of
get out of whack
get out of your depth
get over
get over the ground
get over with
get pickled
get plastered
get quit of
get quits with
get ready
get ready to
get red in the face
get religion
get rich
get rid of
get right
get round
get satisfaction
get scent of
get sea room
get set
get set for
get shet of
get shut of
get sidetracked
get smart
get some air
get some sack time
get some shut-eye
get something out of your system
get sore
get square with
get squared away
get taped
get the advantage
get the air
get the ax
get the best of
get the better of
get the breaks
get the control of
get the drift
get the drop on
get the ear of
get the edge on
get the facts
get the floor
get the gate
get the hang of
get the hell out
get the idea
get the impression
get the jump on
get the knack of
get the lay of the land
get the lead out
get the lead out of your ass
get the lie of the land
get the mastery of
get the meaning of
get the picture
get the power into your hands
get the show on the road
get the start
get the upper hand
get the works
get the worst of it
get there
get things into proportion
get through
get through to
get through with
get through your head
get through your thick head
get tired
get to
get to be
get to do
get to first base
get to know one another
get to the bottom of
get to the core
get to the essence
get to the nub
get to your feet
get together
get together with
get too big for your breeches
get top billing
get under way
get under your skin
get up
get up and go
get up early
get up in
get up late
get up nerve
get up on
get up steam
get used to
get warm
get well
get well out of
get what is coming to one
get wind of
get wind up
get wise to
get with child
get with it
get with young
get worse
get wrong
get you down
get you gone
get your Irish up
get your ass in a bind
get your ass in gear
get your back up
get your bearings
get your blood up
get your comeuppance
get your credentials
get your dander up
get your deserts
get your dues
get your feet on the ground
get your feet wet
get your fingers on
get your goat
get your gorge up
get your hands on
get your hopes up
get your mad up
get your money's worth
get your monkey up
get yourself a deal
get yourself in a sulk
get-at-ability
get-at-able
get-at-ableness
get-away
get-away speed
get-off
get-out
get-together
get-tough
get-up
get-up-and-get
get-up-and-go
getah wax
getet out
getting along
getting along in years
getting around
getting even
getting hold of
getting on
getting on in years
getting rid of
getting round
getting the hell out
getting with child
geyser basin
geyser cone
gharry-wallah
ghatti gum
ghetto-dwellers
ghost candle
ghost crab
ghost daemon
ghost dance
ghost edition
ghost food
ghost god
ghost gum
ghost hole
ghost line
ghost lodge
ghost lore
ghost moth
ghost name
ghost of a great name
ghost plant
ghost shrimp
ghost soul
ghost story
ghost town
ghost word
ghost world
ghost writer
ghost-fearing
ghost-filled
ghost-haunted
ghost-ridden
ghost-weed
ghost-writer
giallo antico
giant arrowhead
giant bamboo
giant bass
giant cane
giant chinquapin
giant crab
giant daisy
giant fennel
giant fescue
giant fulmar
giant garlic
giant granadilla
giant ground sloth
giant holly fern
giant hornet
giant killer
giant lily
giant lizard
giant of learning
giant order
giant panda
giant parsnip
giant petrel
giant planet
giant powder
giant ragweed
giant reed
giant rye grass
giant schnauzer
giant sea bass
giant sequoia
giant silkworm moth
giant size
giant slalom
giant sloth
giant snowdrop
giant star
giant step
giant steps
giant stride
giant sunflower
giant tortoise
giant water bug
giant-like
giant-sized
gib fish
gib plate
gib-cat
gib-head
gib-head key
gibbed cat
gibber bird
gibberelic acid
gibberellic acid
gibbet law
gibbet tree
gibble-gabble
gibble-gablber
gibboso-
gibbous moon
gibby stick
gibe at
gibing retort
giblet-check
giblet-checked
giblet-cheek
gibus hat
giddy as a goose
giddy-brained
giddy-drunk
giddy-go-round
giddy-headed
giddy-paced
giddy-pated
giddy-witted
gier-eagle
giff-gaff
gift balsam
gift certificate
gift for
gift of expression
gift of gab
gift of the gab
gift of tongues
gift rope
gift shop
gift tax
gift with
gift wrap
gift wrapping
gift-robe
gift-wrap
gift-wrapped
gift-wrapping
gift-wrapt
gifted child
gifted person
gig lamp
gig machine
gig mill
gig-lamp
gig-mill
giga-
gigaelectron volt
gigant-
giggle house
gigot sleeve
Gila monster
gild the lily
gild the pill
gilding metal
gilding wax
gilgai soil
gill arch
gill bailer
gill bar
gill basket
gill book
gill box
gill cavity
gill chamber
gill cleft
gill comb
gill cover
gill filament
gill frame
gill fungus
gill helix
gill net
gill plume
gill pouch
gill rake
gill raker
gill rod
gill scoop
gill slit
gill-ale
gill-book
gill-cup
gill-flirt
gill-less
gill-like
gill-netter
gill-over-the-ground
gill-run
gill-shaped
gillie-wetfoot
gillie-whitefoot
gilling machine
gilling thread
gilt-edge
gilt-edged
gilt-edged securities
gilt-handled
gilt-head
gilt-headed
gilt-knobbed
gilt-robed
gilt-tail
gim peg
gimbal joint
gimbal ring
gimlet bit
gimlet eye
gimlet-eyed
gimmer hog
gimmer lamb
gimp lapper
gimp nail
gin and tonic
gin block
gin drinker's liver
gin fizz
gin mill
gin palace
gin pole
gin race
gin rickey
gin ring
gin rummy
gin sling
gin wagon
gin wheel
gin yard
gin-mill
gin-palace
gin-run
gin-saw
gin-saw file
gin-shop
gin-sling
gingelly oil
ginger ale
ginger beer
ginger bleacher
ginger bread
ginger buyer
ginger extract
ginger family
ginger grass
ginger group
ginger jar
ginger lily
ginger nut
ginger oil
ginger pine
ginger plant
ginger pop
ginger punch
ginger quill
ginger root
ginger snap
ginger spice
ginger tea
ginger up
ginger wine
ginger-beer
ginger-beery
ginger-color
ginger-colored
ginger-faced
ginger-grass oil
ginger-hackled
ginger-haired
ginger-pop
ginger-red
gingerbread man
gingerbread nut
gingerbread palm
gingerbread plum
gingerbread tree
gingili oil
gingiv-
ginkgo nut
ginny carriage
ginny-carriage
ginseng family
gipsy capstan
gipsy moth
gipsy winch
giraffe camel
girandole clock
girasol thorn
gird up your loins
gird your loins
girder bridge
girder erector
girder rail
girder riveter
girder stay
girder tool
girdle band
girdle bone
girdle pain
girdle sensation
girdle the globe
girdle wheel
girdle-tailed lizard
girl Friday
girl Fridays
girl friday
girl friend
girl guide
girl next door
girl scout
girl show
girl-o
girl-os
girl-shy
girl-watcher
girls' room
girly show
girt-line
girth web
girth-web
give 'em hell
give a
give a Roland for an Oliver
give a bad name
give a bad time to
give a bawling out
give a beating
give a big hand
give a bit of your mind
give a black eye
give a black mark
give a blank check
give a boost
give a boost to
give a bouquet
give a briefing
give a bum steer
give a buzz
give a cheer
give a color to
give a cursory look
give a damn
give a darn
give a dekko
give a direct order
give a dirty look
give a dog a bad name
give a dose of birch oil
give a dose of hazel oil
give a dose of hickory oil
give a dose of strap oil
give a dressing-down
give a fair shake
give a false alarm
give a false coloring
give a false idea
give a false impression
give a figure to
give a fillip to
give a fling
give a for-instance
give a free course to
give a free hand
give a free translation
give a go
give a going-over
give a good
give a good account of yourself
give a guess
give a hand
give a hearing to
give a helping hand
give a hint
give a job to
give a knockdown
give a leg up
give a lesson
give a lesson to
give a lick and a promise
give a lift
give a loose translation
give a miss to
give a nod of assent
give a party
give a performance
give a piece of advice
give a piece of your mind
give a pointer to
give a posy
give a promise
give a quick look
give a quid pro quo
give a rap on the knuckles
give a raw deal
give a report
give a reprieve
give a ring
give a shout of laughter
give a show
give a shriek of laughter
give a sidelong look
give a signal
give a square deal
give a start
give a suggestion
give a surprise party
give a talk
give a thrashing
give a thrill
give a tone to society
give a transfusion
give a trial to
give a try
give a tryout
give a turn to
give a twist to
give a warm reception to
give a whammy
give a whipping
give a whirl
give a wide berth
give a wide berth to
give a willing ear
give a workout
give a write-up
give a wrong idea
give absolution
give acknowledgment
give admittance to
give advance notice
give air to
give an account of
give an alarm
give an appreciation
give an assignment
give an assist
give an ear
give an encore
give an entree
give an examination
give an exclamation
give an idea of
give an impetus
give an impression of
give an impulse to
give an inch and take an ell
give an inkling of
give an introduction
give an obolus to Charon
give an open mandate
give an opinion
give an order
give and take
give answer
give as a gift
give as an excuse
give as good as was sent
give as good as you get
give as much as you take
give assent
give attention
give audience to
give away
give back
give battle
give being to
give benediction
give birth
give birth to
give bridle to
give by way of information
give care to
give carte blanche
give chase
give cheerfully
give comfort
give concern
give confidential information
give consent
give credence to
give credit
give credit to
give danger a wide berth
give directions
give directions to
give dispensation from
give ear
give ear to
give emphasis to
give encouragement
give entrance to
give evidence
give expression
give expression to
give fair warning
give faith to
give for free
give forgiveness
give forth
give forth a sound
give free course to
give free play to the emotions
give free rein to
give freely
give full authority
give full particulars
give full play
give full power
give good reasons for
give good returns
give greater draft fore and aft
give ground
give ground for expecting
give hail Columbia
give heed
give heed to
give hell
give help
give her beans
give her less rudder
give her more rudder
give homework
give honor to
give hope
give importance to
give in
give in charge
give in exchange
give in kind
give in marriage
give in return
give in trust
give indication of
give instruction
give instructions
give it a go
give it a second thought
give it all your got
give it no more thought
give it the gas
give it the gun
give it to
give it your all
give leave
give lessons in
give life to
give light
give line
give lip service
give little weight to
give measure for measure
give mind to
give momentum
give moral support to
give more matter and less art
give more than your share
give mouth honor
give new life to
give no cheer
give no comfort
give no credence to
give no credit to
give no heed
give no joy
give no pleasure
give no quarter
give no trouble
give notice
give notification
give occasion to
give of
give of your substance
give of yourself
give off
give off waves of heat
give offense
give offense to
give official sanction
give official warrant
give one a scare
give one a turn
give one line
give onto
give or take a little
give origin to
give out
give out a smell
give out with
give over
give over to
give pain
give pause
give permission
give place
give place to
give pleasure
give power
give prominence
give prospect of
give publicity
give quarter
give reason for
give recognition
give refuge to
give rein to
give release
give relief
give respite
give rise to
give rope enough to
give salvation
give sanctuary to
give satisfaction
give security
give shelter to
give sign
give someone a dose
give someone enough rope
give someone his due
give someone the eye
give someone the slip
give someone your hand on
give something the gun
give sorrow words
give special attention to
give support
give surcease
give texture
give thanks
give the
give the Bronx cheer
give the Devil his due
give the air
give the asking price
give the ax
give the ax to
give the battle cry
give the benefit of the doubt
give the bird
give the bum's rush
give the business
give the chuck to
give the coat off your back
give the cold shoulder
give the cold shoulder to
give the come-on
give the cue
give the deuce
give the devil
give the evil eye
give the eye
give the facts
give the feeling of
give the finishing strokes
give the finishing touches
give the freedom of
give the gate
give the glad eye
give the glad hand
give the go-ahead
give the go-by
give the good word
give the green light
give the guy to
give the high sign
give the hook
give the imprimatur
give the kiss of death to
give the lie to
give the meaning
give the mind to
give the nod
give the old heave-ho
give the once-over
give the pink slip
give the quietus
give the quietus to
give the raspberry
give the reins to
give the run of
give the runaround
give the sack to
give the shirt off your back
give the shoulder
give the show away
give the silent treatment
give the slip
give the stick
give the word
give the word of command
give the works
give thought to
give thumbs up
give tick
give tidings of
give tit for tat
give title to
give to
give to the world
give token
give tongue
give top billing to
give umbrage
give until it hurts
give up
give up all expectation
give up all hope
give up hope
give up the crown
give up the ghost
give up your post
give upon
give utterance
give vent to
give voice
give warning
give way
give way to
give way to tears
give what-for
give with an open hand
give with both hands
give witness
give word
give word for word
give words to
give you
give you a bad time
give you a bang
give you a bellyful
give you a blank check
give you a boot
give you a charge
give you a fright
give you a hard time
give you a kick
give you a lift
give you a pain
give you a revelation
give you a scare
give you a send-off
give you a swift pain in the ass
give you a tip
give you a turn
give you a whammy
give you another chance
give you carte blanche
give you gooseflesh
give you his gruel
give you his head
give you his walking papers
give you leeway
give you room
give you rope
give you scope
give you short shrift
give you space
give you the evil eye
give you the glad eye
give you the lie
give you the lie direct
give you the lie in your throat
give you the lip
give you the run-around
give you the slip
give you the works
give you tit for tat
give you to understand
give you trouble
give you what is coming to you
give you your comeuppance
give you your deserts
give your best
give your best regards
give your blessing
give your blessing to
give your compliments
give your countenance to
give your eyeteeth
give your eyeteeth for
give your fair share
give your hand to
give your kingdom in hell for
give your life for your country
give your love
give your mind to
give your parole
give your regards
give your share
give your support to
give your thanks
give your undivided attention
give your voice for
give your word
give your word of honor
give yourself airs
give yourself for
give yourself over to
give yourself over to pleasure
give yourself up
give yourself up to
give yourself up to reverie
give-and-take
give-up
giveaway show
given a jar
given a jolt
given a turn
given birth
given fact
given name
given to
given to drink
given up
given up for dead
giver-out
giving back
giving birth
giving in
giving out
giving over
giving up
giving way
gizzard shad
gizzard trout
glacial acetic acid
glacial boulder
glacial deposit
glacial epoch
glacial lake
glacial meal
glacial milk
glacial movement
glacial period
glacier bear
glacier cataract
glacier lily
glacier milk
glacier table
glacier theory
glacis plate
glad eye
glad hand
glad hand, the
glad rags
glad tidings
glad to see you
glad-cheered
glad-flowing
glad-hand
glad-handed
glad-hander
glad-sad
glad-surviving
glade lily
glade mallow
glamour girl
glamour issue
glamour puss
glance at
glance coal
glance cobalt
glance copper
glance of the eye
glance off
glance over
glance pitch
glance through
glance upon
glancing angle
glancing boom
glancing light
gland disease
glandular fever
glandular plague
glandular therapy
glans clitoridis
glans penis
glare ice
glare-eyed
glaring light
glaring look
glass bead
glass block
glass blower
glass blowing
glass brick
glass burner
glass cement
glass coach
glass curtain
glass cutter
glass cutting
glass decorator
glass eye
glass gall
glass harmonica
glass house
glass jaw
glass lizard
glass of time
glass painting
glass pot
glass pox
glass printing
glass sculpture
glass snail
glass snake
glass soap
glass string
glass tank
glass wool
glass-blower
glass-blowing
glass-bottomed
glass-bottomed boat
glass-built
glass-cabin launch
glass-cloth
glass-coach
glass-coated
glass-colored
glass-covered
glass-cutter
glass-cutting
glass-eater
glass-eyed
glass-faced
glass-fronted
glass-glazed
glass-green
glass-hard
glass-house
glass-lined
glass-maker
glass-man
glass-paneled
glass-paper
glass-topped
glass-work
glassed-in
glasses case
glassy-eyed
glauber's salt
glaucous blue
glaucous gray
glaucous green
glaucous gull
glaucous-green
glaucous-winged
glaze frost
glaze ice
glaze kiln
glaze wheel
glazed doughnut
glazed frost
glazed ware
glazier's point
glazing bar
glazing bead
glazing brad
glazing-bar
gleam of hope
gleam of light
gleaming smile
glean knowledge
glean learning
glebe house
glebe land
glee club
glee-eyed
glen nymph
glengarry bonnet
gleno-
glial cells
glib tongue
glib-gabet
glib-tongued
glide bomb
glide consonant
glide into
glide landing
glide path
glide plane
glide vowel
glide-bomb
glide-bombing
glider bomb
glider train
gliding angle
gliding boat
gliding joint
gliding machine
glimmer gowk
glimmer of hope
glimmering goal
glitter ice
glittering generality
gloat on
gloat over
gloating pleasure
global rule
global war
globe amaranth
globe animalcule
globe artichoke
globe crowfoot
globe daisy
globe dollar
globe hyacinth
globe joint
globe lightning
globe lily
globe mallow
globe ranunculus
globe sight
globe thistle
globe tulip
globe valve
globe-girdler
globe-girdling
globe-shaped
globe-trot
globe-trotter
globe-trotting
globigerina ooze
globo-cumulus
globular cluster
globular lightning
globus hystericus
globus pallidus
glam on to
gloomy Gus
gloomy outlook
gloomy-browed
gloomy-faced
glor-fat
glorify the Lord
glory be
glory be to
glory be to God
glory be to God in the highest
glory bower
glory box
glory flower
glory hole
glory in
glory lily
glory pea
glory to God
glory tree
glory vine
glory-hole
glory-of-the-snow
glory-of-the-snows
glory-of-the-sun
glory-of-the-suns
glory-pea
glasse of novelty
gloss oil
gloss over
gloss-
glumbo-
glossopalatine arch
glossopalatine nerve
glossopharyngeal nerve
glossopharyngeal neuralgia
glossy snake
glossy-black
glossy-leaved
glossy-white
glost fire
glost fireman
glost firing
glost oven
glost placer
glost-fired
glott-
glottal stop
glotto-
glove box
glove compartment
glove contest
glove grain
glove maker
glove money
glove puppet
glove silk
glove silver
glove sponge
glove stitch
glover's stitch
glow beetle
glow discharge
glow discharge tube
glow lamp
glow light
glow lighting
glow meter
glow plug
glow tube
glow-discharge microphone
glow-worm
glowering look
glowing health
glowing smile
glaze over
glucaric acid
gluck-gluck
gluckliche Reise
gluconic acid
glucose sirup
glucose vinegar
glucuronic acid
glue boiler
glue bottle
glue brush
glue cell
glue maker
glue on
glue plant
glue sniffer
glue stock
glue the mind to
glue water
glue-pot
glued-up
gluing-off
glut herring
glut on the market
glut-
 glutamic acid
 glutaminic acid
 gluteal region
 glutei maximi
 gluten bread
 gluten feed
 gluten flour
 gluten meal
 gluteus maximus
 gluteus medius
 gluteus minimus
 glutton bird
 glyc-
 glycer-
 glyceria wax
 glyceric acid
 glyceric aldehyde
 glycerin jelly
 glycerin lye
 glycerin soap
 glycerol nitrate
 glyceryl ester
 glyceryl esters
 glyceryl group
 glyceryl monoacetate
 glyceryl nitrate
 glyceryl radical
 glyceryl trinitrate
 glyceryl trioleate
 glyceryl tripalmitate
 glyco-
 glycogen disease
 glycogenic acid
 glycolic acid
 glycollic acid
 glyconic acid
 glycuronic acid
 glycyrrhizae composita
 glyoxyl urea
 glyptic artist
 glyptographic artist
 gnamma hole
gnash your teeth
gnashing of teeth
gnat hawk
gnath-
gnathic index
gnaw at the root of
gnaw away
gnawing of the bowels
gnawing pain
gneissoid-granite
gnome owl
gnomonic projection
gnothi seauton
gnu goat
go AWOL
go Dutch
go a journey
go aboard
go about
go about your business
go abroad
go across
go adrift
go after
go against
go against the grain
go aground
go ahead
go ahead of
go all colors
go all lengths
go all out
go all the way
go aloft
go along
go along with
go along with the crowd
go alongside
go amiss
go and
go and do
go and get
go and hang yourself
go ape
go ape over
go around
go around and around
go around in circles
go as
go as the crow flies
go as you please
go ashore
go ass over elbows
go astern
go astray
go astray from
go at
go at a snail's pace
go at flank speed
go at full blast
go at full steam
go at full tilt
go at it ass-backwards
go at large
go at liberty
go at the double
go away
go awol
go awry
go back
go back on
go back on your word
go back over
go back to
go backwards
go bad
go bail
go bail for
go bananas
go bankrupt
go beddy-bye
go before
go begging
go behind
go below
go berserk
go beside
go between
go beyond
go beyond reason
go beyond the bounds of reason
go blind
go broke
go bush
go by
go by air
go by airline
go by fits and starts
go by plane
go by rail
go by ship
go by the board
go by the name of
go bye-bye
go cahoots
go cahoots with
go camping
go cap in hand to
go chase yourself
go contrary to
go counter to
go crabwise
go crackers
go crazy
go dead
go dead slow
go deaf
go deep
go deep into
go directly
go down
go down in the world
go down like a stone
go down on your knees to
go down the drain
go down to the sea in ships
go down with flying colors
go downhill
go easily
go easy
go easy on
go even stephen
go even stephen with
go far
go far afield
go fast
go fetch
go fifty-fifty
go fifty-fifty with
go fish
go fishing
go flat out
go fly a kite
go for
go for a Sunday drive
go for a burton
go for a drive
go for a ride
go for a spin
go for a walk
go for an airing
go for an outing
go for broke
go for the deck
go foreign
go forth
go forward
go free
go from bad to worse
go from home
go from push to shove
go full speed ahead
go full speed astern
go full steam ahead
go full tilt at
go gauge
go get
go great guns
go gunning for
go halvers
go halvers with
go halves
go hand in hand
go hand in hand with
go hard with
go haywire
go head over heels
go hell-bent for election
ngo home
ngo home feet first
ngo hungry
ngo hunting
ngo ill with
ngo in
ngo in advance
ngo in bathing
ngo in business for yourself
ngo in cahoot with
ngo in cahoots
ngo in debt
ngo in for
ngo in harm's way
go in hock
go in hock for
go in one ear and out the other
go in opposition to
go in partners
go in partnership
go in peace
go in pursuit of
go in search of
go in swimming
go in the face of
go in the lead
go in the rear of
go in wading
go in with
go into
go into a funk
go into a huddle
go into a tail spin
go into a tailspin
go into a tantrum
go into convulsions
go into decay
go into detail
go into heart and soul
go into hiding
go into hysterics
go into litigation
go into mourning
go into orbit
go into outer space
go into partnership with
go into raptures
go into receivership
go into retirement
go into reverse
go into seclusion
go into shock
go into the money market
go into training
go into your pocket
go it alone
go jump in the lake
go kaput
go lame
go light
go like
go like a bat out of hell
go like a flash
go like a shot
go like a streak of lightning
golang
go like clockwork
go like greased lightning
go like hot cakes
go like lightning
go like the wind
go long
go mad
go maku
go marketing
go native
go near
go night-night
go off
go off at a tangent
go off at half cock
go off half-cocked
go off in all directions at once
go off on a tangent
go off soundings
go off the air
go off the deep end
go off the track
go off the trolley
go off to sleep
go off your head
go off your nut
go off your rocker
go on
go on a bat
go on a bender
go on a binge
go on a bust
go on a crusade
go on a crusade against
go on a diet
go on a drunk
go on a honeymoon
go on a journey
go on a pilgrimage
go on a rampage
go on a rip
go on a sight-seeing trip
go on a spending spree
go on a spree
go on a tear
go on a toot
go on a trip
go on a voyage
go on a wartime footing
go on a wild-goose chase
go on a wrong tack
go on about
go on all fours
go on all fours with
go on an ego trip
go on an expedition
go on and on
go on bended knee to
go on board
go on forever
go on furlough
go on hands and knees
go on horseback
go on in the old jog-trot way
go on leave
go on over
go on parade
go on record
go on safari
go on shipboard
go on strike
go on the air
go on the blink
go on the bum
go on the defensive
go on the fritz
go on the heel and toe
go on the merry-go-round
go on the road
go on the rocks
go on the shoals
go on the stump
go on the town
go on the warpath
go on tick
go on tiptoe
go on welfare
go on with
go on with the show
go on your beat
go once over lightly
go one better
go onto
go onwards and upwards
go out
go out for
go out like a lamb
go out like a light
go out of bounds
go out of business
go out of line
go out of style
go out of the way
go out of use
go out of your depth
go out of your skull
go out of your way
go out on a limb
go out on strike
go out the window
go out with
go out with the ebb
go out with the tide
go over
go over again and again
go over and over
go over big
go over like a lead balloon
go over step by step
go over the board
go over the ground
go over the hill
go over the same ground
go over the side
go over the top
go over the wall
go over to the enemy
go over to the great majority
go over to the majority
go over your head
go overboard
go overseas
go partners
go peddle your fish
go phut
go pitapat
go pitter-patter
go places
go places and do things
go public
go right through
go roll your hoop
go round
go round Robin Hood's barn
go round about
go round like a horse in a mill
go scot free
go separate ways
go shares
go shopping
go short
go sideways
go sit on a tack
go slow
go slowly
go slumming
go snack
go soak your head
go soft
go soft at the edges
go steady
go step by step
go straight
go straight on
go straight to the point
go the dizzy rounds
go the limit
go the long way around
go the other way
go the round
go the rounds
go the route
go the same round
go the vole
go the way of all earth
go the way of all flesh
go the whole hog
go the whole length
go the whole way
go through
go through a change
go through channels
go through fire and water
go through hell and high water
go through one
go through one's head
go through phases
go through the motions
go through with
go through with it
go through your paces
go through your part
go to
go to Abraham's bosom
go to Canossa
go to Davy Jones's locker
go to a better land
go to a better life
go to a better place
go to a better world
go to a watery grave
go to all lengths
go to an extreme
go to and fro
go to any length
go to any lengths
go to bat for
go to bed
go to bed with
go to do
go to extremes
go to foreign places
go to foreign shores
go to get
go to glory
go to grass
go to great lengths
go to great pains
go to ground
go to hell
go to it
go to kingdom come
go to law
go to loggerheads
go to perdition
go to pieces
go to pot
go to press
go to rack and manger
go to rack and ruin
go to rest
go to ruin
go to school
go to sea
go to sea in a sieve
go to seed
go to shivers
go to show
go to sleep
go to smash
go to smitherens
go to the bad
go to the bathroom
go to the bitter end
go to the bottom
go to the country
go to the deuce
go to the devil
go to the dogs
go to the electorate
go to the front for
go to the happy hunting grounds
go to the mat with
go to the trouble
go to the voters
go to the wall
go to town
go to town on
go to war
go to waste
go to windward
go to wrack and ruin
go to your glory
go to your head
go to your heart
go to your last home
go to your long account
go to your rest
go to your reward
go together
go too far
go treat
go under
go under a false name
go under an alias
go under an assumed name
go under false colors
go under false pretenses
go under the knife
go under the name of
go underground
go unrestrained
go up
go up and up
go up blind alleys
go up in smoke
go up in your lines
go up on your lines
go up the nose
go up the spout
go up the wall
go up to with hat in hand
go uphill
go upon
go well
go west
go whole hog
go with
go with the current
go with the party
go with the stream
go with the tide
go without
go without saying
go wonder
go woolgathering
go wrong
go your own way
go your rounds
go your way
go-about
go-ahead
go-as-you-please
go-ashore
go-away bird
go-back
go-between
go-by
go-cart
go-devil
go-down
go-getter
go-getterism
go-getting
go-go
go-go dancer
go-kart
go-moku
go-off
go-quick
go-slow policy
go-to-itiveness
go-to-meeting
goa powder
goad on
goal area
goal crease
goal judge
goal kick
goal line
goal minder
goal net
goal post
goal posts
goal stick
goal tender
goal tending
goal-post mast
goat antelope
goat chaffer
goat cheese
goat fig
goat god
goat grass
goat hair
goat marjoram
goat milker
goat moth
goat nut
goat owl
goat pepper
goat pox
goat rue
goat's hair
goat's-beard
goat's-rue
goat-bearded
goat-drunk
goat-eyed
goat-footed
goat-headed
goat-herd
goat-hoofed
goat-horned
goat-keeping
goat-kneed
goat-pox
goat-toothed
goatsfoot convolvulus
gob line
gob rope
gob-line
gobar numerals
gobble down
gobble up
gobe-mouches
goblet cell
goblin fish
goblin scarlet
goblin shark
god head
god of evil
god of justice
god of lightning
god of trade
god's acre
god's penny
god's-penny
god-a-mercy
god-almighty
god-child
god-damn
god-daughter
god-fearing
god-horse
god-king
god-mamma
god-man
god-papa
god-parent
god-sphere
god-speed
goddam it
goddess of evil
goddess of justice
goddess-like
goddesses of discord
godforsaken place
godly-learned
godly-minded
godly-mindedness
gods of
gods of commerce
gods of evil
gods of marriage
gods of the nether world
goer-by
gofferor gauffer
goggle eyes
goggle-eye
goggle-eye scad
goggle-eyed
goggle-eyes
goggle-nose
going about
going afoot
going against the current
going ahead
going along with
going around
going around in circles
going ashore
going away
going barrel
going behind
going between
going down of the sun
going for broke
going forth
going fusee
going light
going off
going on
going on all fours
going on foot
going out
going over
going price
going strong
going through
going to Jerusalem
going to happen
going to pieces
going to the polls
going train
going wheel
going-concern
going-concern value
going-out-of-business sale
going-over
going ons
going-on
going-overs
goiter stick
gold apple
gold assayer
gold bank
gold bar
gold basis
gold bass
gold beating
gold beetle
gold beryl
gold blocker
gold blocking
gold bond
gold book
gold brick
gold bronze
gold brown
gold bullion standard
gold carp
gold certificate
gold chloride
gold clause
gold democrat
gold depository
gold digger
gold digging
gold diggings
gold driver
gold dust
gold fever
gold field
gold foil
gold lace
gold leaf
gold maker
gold making
gold medal
gold melter
gold mine
gold miner
gold mining
gold monochloride
gold note
gold nugget
gold of pleasure
gold orange
gold pan
gold panner
gold piece
gold plate
gold point
gold refiner
gold reserve
gold rush
gold seeker
gold solder
gold spinner
gold standard
gold star
gold stick
gold therapy
gold tooth
gold topaz
gold trichloride
gold warden
gold washer
gold washing
gold working
gold-and-silver plant
gold-ball
gold-banded
gold-basket
gold-bearing
gold-beater
gold-beating
gold-bloom
gold-bound
gold-braided
gold-breasted
gold-brick
gold-bright
gold-broidered
gold-bug
gold-bullion standard
gold-ceiled
gold-chain
gold-clasped
gold-colored
gold-containing
gold-crested
gold-daubed
gold-decked
gold-dig
gold-digger
gold-dust
gold-dust tree
gold-edged
gold-embossed
gold-embroidered
gold-enwoven
gold-exchange
gold-exchange standard
gold-field
gold-fields
gold-filled
gold-finder
gold-fish
gold-foil
gold-framed
gold-fringed
gold-graved
gold-green
gold-haired
gold-headed
gold-hilted
gold-inlaid
gold-laced
gold-laden
gold-leaf
gold-lit
gold-mine
gold-mounted
gold-of-pleasure
gold-plate
gold-plated
gold-plating
gold-red
gold-ribbed
gold-rimmed
gold-robed
gold-rolling
gold-rush
gold-seeking
gold-star
gold-striped
gold-strung
gold-studded
gold-tail moth
gold-testing
gold-washer
gold-weight
gold-winged
gold-work
gold-wrought
gold-yellow
goldbeater's skin
golden age
golden aster
golden bamboo
golden bantam corn
golden beryl
golden boy
golden buck
golden calf
golden calla lily
golden chain
golden clematis
golden coreopsis
golden crest
golden crown
golden crownbeard
golden currant
golden disc
golden dream
golden eagle
golden eardrop
golden era
golden exhalations of the dawn
golden feather
golden fizz
golden flax
golden fleece
golden glow
golden goose
golden gram
golden handshake
golden horde
golden jubilee
golden loosestrife
golden marguerite
golden mean
golden millet
golden mole
golden nematode
golden number
golden oat
golden opportunity
golden oriole
golden pheasant
golden plover
golden polypody
golden potto
golden queen
golden ragwort
golden rain
golden retriever
golden rose
golden rule
golden sable
golden saying
golden season of life
golden section
golden shower
golden silence
golden slumbers
golden spider lily
golden star
golden stars
golden syrup
golden thistle
golden time
golden touch, the
golden trout
golden tuft
golden vision
golden warbler
golden wattle
golden wedding
golden wedding anniversary
golden years, the
golden yellow
golden-ager
golden-banded
golden-banded lily
golden-bearded
golden-breasted
golden-brown
golden-cheeked
golden-chestnut
golden-colored
golden-crested
golden-crowned
golden-crowned kinglet
golden-cup
golden-cup oak
golden-eared
golden-eye
golden-eyed
golden-eyed fly
golden-eyed grass
golden-feather yellow
golden-fettered
golden-fingered
golden-footed
golden-fruited
golden-gleaming
golden-glowing
golden-green
golden-haired
golden-headed
golden-hilted
golden-hued
golden-leaved
golden-locked
golden-mouthed
golden-rain tree
golden-rayed
golden-rod
golden-spotted
golden-throned
golden-tipped
golden-toned
golden-tongued
golden-tressed
golden-voiced
golden-winged
golden-yellow
goldenrain tree
goldenrod tree
goldfish bowl
goldsmith beetle
golf bag
golf ball
golf cart
golf club
golf course
golf green
golf hose
golf links
golf red
golf shoe
golf widow
golgi apparatus
golgi body
goliath beetle
goliath crane
goliath frog
goliath heron
golo-shoe
gom-paauw
gombeen-man
gombeen-men
gombroon ware
gomoku-zogan
gomuti palm
gon-
gondang wax
gondola back
gondola car
gone arrow
gone away
gone bad
gone begging
gone by
gone feeling
gone for a burton
gone glimmering
gone goose
gone off
gone on
gone out
gone out of your head
gone out of your recollection
gone the way of all flesh
gone to a better land
gone to a better place
gone to a better world
gone to dust
gone to glory
gone to kingdom come
gone to pot
gone to rack and ruin
gone to seed
gone to the bad
gone to the dogs
gone to waste
gone to wrack and ruin
gone west
gone-by
gong bell
gong buoy
gong drum
gong-gong
goni-
gono-
gonococcal arthritis
gonorrheal arthritis
gonorrheal rheumatism
goo-goo
goarc eyes
goober pea
good Christian
good English
good Joe
good Samaritan
good afternoon
good and
good and mad
good and ready
good and tired
good angel
good appearance
good arvo
good as gold
good at
good at the price
good auspices
good behavior
good book
good boy good girl
good boy good girl
good break
good breeding
good buy
good case
good chance
good character
good cheap
good cheer
good child
good citizen
good citizenship
good clothes
good company
good condition
good constitution
good cry
good day
good deal
good deed
good deportment
good digestion
good disposition
good effect
good egg
good enough
good estate of body
good even
good memory
good mixer
good morning
good morrow
good name
good nature
good neighbor
good news
good night
good night's sleep
good now
good odor
good offices
good oil
good old days
good old summertime
good old times
good omen
good one
good opportunity
good palate
good pennyworth
good people
good person
good points
good possibility
good price
good prognosis
good proportions
good prospect
good quality or effect
good question
good reason
good reasoning
good report
good reputation
good repute
good riddance
good sense
good shape
good shot
good show
good side of, the
good society
good soldier
good sooth
good sort
good speed
good spirits
good sport
good sportsmanship
good state of health
good stewardship
good story
good sum
good supply
good sword
good taste
good temper
good templar
good terms
good thing
good things of life
good time
good times
good to eat
good trim
good turn
good understanding
good usage
good use
good vibes
good vibrations
good ways
good weather
good will
good will to man
good will toward man
good wishes
good woman
good word
good works
good writing
good-by
good-bye
good-bye-summer
good-daughter
good-den
good-doer
good-faith
good-father
good-fellow
good-fellowhood
good-fellowish
good-fellowship
good-for
goods yard
goods, the
goody good-good
goody gumdrops
goody-good
goody-goodies
goody-goodiness
goody-goodness
goody-goody
goody-goodyism
goody-goodynness
goof around
goof off
goof up
goof-off
goof-off time
goof-up
goofing off
googly-eyed
goon squad
gooney bird
goose barnacle
goose bumps
goose call
goose chase
goose club
goose corn
goose egg
goose file
goose flesh
goose grass
goose gray
goose grease
goose gull
goose pen
goose pimples
goose plant
goose plum
goose quill
goose rump
goose skin
goose step
goose tansy
goose teal
goose tree
goose walk
goose-beak whale
goose-bill
goose-cackle
goose-egg
goose-flesh
goose-fleshy
goose-foot
goose-footed
goose-grass
goose-grease
goose-headed
goose-neck
goose-pimple
goose-pimply
goose-quill
goose-shaped
goose-skin
goose-step
goose-stepped
goose-stepper
goose-stepping
goose-wing
gooseberry bush
gooseberry family
gooseberry fool
gooseberry fruitworm
gooseberry gourd
gooseberry mildew
gooseberry moth
gooseberry picker
gooseberry pie
gooseberry rust
gooseberry sawfly
gooseberry spanworm
gooseberry stone
gooseberry tomato
gooseberry tree
gooseberry wine
gooseberry-eyed
goosefoot family
goosefoot maple
gooseneck lamp
gooseneck slicker
goosewing jibe
gopher apple
gopher ball
gopher drift
gopher frog
gopher hole
gopher plant
gopher plum
gopher snake
gopher tortoise
gopher turtle
gopher wood
gopher-hole blast
gora log
gordian knot
gordon setter
gordura grass
gore strake
gore-fish
goreng pisang
gorge circle
gorge hook
gorge on
gorge wind
gorge yourself
gorgon plant
gorgon-headed
goring cloth
gorse duck
gorse hatcher
gos-lettuce
gosh-awful
gosh-darn
gosling color
gosling grass
gosling green
gospel music
gospel oath
gospel side
gospel truth
gospel-true
gosport tube
gossamer fern
gossamer spider
gossip column
gossip columnist
gossip made tedious by morality
got to
gothic arch
gothic section
gouden reaal
gouge carving
gouge out
gouge shell
gourd cup
gourd family  
gourd melon  
gourd towel  
gourd tree  
gourd-shaped  
gourdhead buffalo  
gourdseed buffalo  
gourmet quality  
gout fly  
gout ivy  
gout of rain  
gout tree  
gouty arthritis  
gouty stool  
gouv-  
governess-ship  
governing board  
governing body  
government archives  
government bar  
government bond  
government building  
government control  
government depository  
government hospital  
government insurance  
government issue  
government man  
government mark  
government note  
government of the people  
government paper  
government papers  
government securities  
government stamp  
government-general  
government-in-exile  
government-owned  
governmental leadership  
governor general  
governor generals  
governor's council  
governor's mansion  
governor-elect  
governor-general  
governor-generalship  
governors general  
gowk storm
gown boy
gown-fashion
gr wt
gr-s
graffian follicle
grab at
grab bag
grab bar
grab barrel
grab box
grab bucket
grab dredge
grab hold of
grab line
grab link
grab machine
grab off
grab one
grab rope
grab skipper
grab the thoughts
grab-all
grabbot gin
grace cup
grace drink
grace hoop
grace note
grace of expression
grace period
grace with
grace-and-favor
grace-and-favour
grace-cup
graceful gesture
gracious life
gracious living
grade bar
grade by grade
grade cricket
grade crossing
grade insignia
grade line
grade peg
grade school
grade schooler
grade separation
grade stake
graded post
graded school
gradient microphone
gradient post
gradient wind
gradual change
graduate assistant
graduate education
graduate nurse
graduate school
graduate student
graduate-professional
graduate-professional education
graduated scale
graduated student
graduated tape
graduated taxation
graduating engine
graduation exercises
graeeco-
graft hybrid
graft-hybridism
graft-hybridization
grafting wax
graham bread
graham cracker
graham flour
graham wafer
grain alcohol
grain aphid
grain beetle
grain bill
grain bin
grain binder
grain borer
grain broker
grain carrier
grain cleaner
grain cradle
grain crusher
grain drill
grain elevator
grain farm
grain farmer
grain farming
grain founder
grain glove
grain gold
grain grower
grain growth
grain harvester
grain huller
grain lac
grain leather
grain louse
grain mark
grain mash
grain merchant
grain miller
grain moth
grain musk
grain of salt
grain of sand
grain oil
grain pan
grain refiner
grain rust
grain sack
grain sacker
grain sampler
grain screen
grain screener
grain shipper
grain side
grain smut
grain soap
grain sorghum
grain thresher
grain tin
grain traveler
grain weevil
grain weigher
grain-burnt
grain-carrying
grain-cleaning
grain-cut
grain-eater
grain-eating
grain-fed
grain-growing
grain-laden
grain-wagon hitch
grains d'orge
grains of paradise
gram atom
gram calorie
gram degree
gram equivalent
gram equivalent weight
gram ion
gram molecule
gram's method
gram-atomic weight
gram-centimeter
gram-meter
gram-molar
gram-molecular
gram-molecular weight
gram-negative
gram-negative bacteria
gram-positive
gram-positive bacteria
gram-variable
grama grass
gramicidin D
graminaceous plant
gramineous plant
grammar college
grammar school
grammatical accent
grammatical analysis
grammatical error
grammatical form
grammatical gender
grammatical meaning
grammatical point
grammatical theory
grammatico-allegorical
gramophone record
gran cassa
gran torismo
grana cheese
granadilla tree
granary weevil
grand air
grand ballroom
grand chain
grand chop
grand climacteric
grand cordon
grand council fire
grand coup
grand dame
grand dragon
grand drapery
grand duchess
grand duchy
grand duke
grand feu
grand final
grand finale
grand fir
grand guignol
grand inquisitor
grand jete
grand juror
grand jury
grand juryman
grand lama
grand larceny
grand mal
grand march
grand master
grand monde
grand old man
grand opera
grand passion
grand pian
grand piano
grand prior
grand quarter
grand seigneur
grand seignior
grand serjeanty
grand sicle
grand signior
grand slam
grand sonnerie
grand tactics
grand theft
grand total
grand tour
grand vicar
grand vizier
grand-
grand-aunt
grand-dad
grand-daughter
grand-ducal
grand-juror
grand-juryman
grand-nephew
grand-niece
grand-scale
grand-slammer
grand-uncle
grande dame
grande passion
grandes damas
grandes passions
grandfather chair
grandfather clause
grandfather clock
grandfather graybeard
grandfather longlegs
grandfather's chair
grandfather's clock
grandmother clock
grandmother's clock
grandstand play
grandstand player
granger laws
grani-
granite blue
granite gray
granite paper
granite porphyry
granite quarryer
granite-dispersing
granite-gneiss
granite-gruss
granite-sprinkled
granny flat
granny glasses
granny knot
granny's bend
granny's knot
granny-thread
grano-
grant a decree of nullity
grant a divorce
grant a final decree
grant a reprieve
grant amnesty to
grant an annulment
grant bail to
grant citizenship
grant exemption
grant forgiveness
grant immunity
grant of probate
grant remission
grant-in-aid
grants-in-aid
granul-
granular snow
granular texture
granulated soap
granulated sugar
granulation tissue
granule cell
granule gravel
granulo-
granuloma inguinale
granuloma venereum
grape cane borer
grape cherry
grape curculio
grape cure
grape disease
grape family
grape fern
grape green
grape grower
grape growing
grape hoe
grape hopper
grape hyacinth
grape juice
grape leaf folder
grape leaf hopper
grape louse
grape mildew
grape moth
grape pear
grape phylloxera
grape picker
grape picking
grape ranch
grape rootworm
grape rot
grape rust
grape scale
grape seed
grape sugar
grape tomato
grape tree
grape weevil
grape wine
grape worm
grape-bearing
grape-berry moth
grape-eater
grape-hued
grape-leaved
grape-seed oil
grape-shaped
grape-shot
grape-sized
grape-stone
grape-vine
grapefruit juice
grapefruit league
grapefruit spoon
grapes of wrath
grapevine fidia
grapevine flea beetle
grapevine leaf hopper
grapevine phylloxera
grapevine telegraph
grapevine thrips
graph paper
graphic accent
graphic account
graphic algebra
graphic art
graphic artist
graphic arts
graphic granite
graphic panel
graphic scale
graphic-texture
graphite steel
grapho-
grapier cement
grapnel plant
grappler cement
grapple bucket
grapple dredge
gapple fork
grapple ground
grapple iron
grapple plant
grapple shot
grapple with
grappling hook
grappling iron
grasp at a straw
grasp the meaning
grasping organ
grasping organs
grass bass
grass box
grass bur
grass carp
grass cattle
grass character
grass cloth
grass cold
grass comber
grass court
grass drake
grass earth
grass family
grass fern
grass finch
grass frog
grass green
grass guard
grass gum
grass hand
grass hockey
grass ill
grass lamb
grass land
grass lawn
grass lily
grass linen
grass mildew
grass moor
grass moth
grass owl
grass paper
grass parakeet
grass pea
grass pickerel
grass pink
grass plover
grass poly
grass pondweed
grass porgy
grass rockfish
grass roots
grass rug
grass sandwort
glass savanna
glass shears
glass skirt
glass snake
glass snipe
glass sorghum
glass spider
glass sponge
glass staggers
glass steppe
glass style
glass swine
glass table
glass tetany
glass tree
glass veld
glass vetch
glass warbler
glass webworm
glass widow
glass widower
glass wrack
glass-blade
glass-carpeted
glass-clad
glass-cloth
glass-cloth plant
glass-covered
glass-cushioned
glass-cutting
glass-eater
glass-eating
glass-embroidered
glass-fed
glass-green
glass-growing
glass-grown
glass-hook
glass-killing
glass-leaved
glass-mowing
glass-of-Parnassus
glass-plat
glass-roofed
glass-roots
glass-roots campaign
glass-roots movement
grass-tree
glass-tree gum
glass-woven
glass-wren
glasshopper engine
glasshopper escapement
glasshopper gauge
grasshopper lark
grate coal
grate cattle
grate cyclists
grate room
grate surface
grate upon the ear
grated cheese
grateful dead
gratia dei
gratify yourself
gratuitous contract
gravamen of a charge
grave accent
grave as an undertaker
grave clothes
grave harmonic
grave injustice
grave marker
grave mixture
grave plant
grave robber
grave robbing
grave sin
grow wax
grave-born
grave-bound
grave-browed
grave-clothes
grave-colored
grave-digger
grave-digging
grave-faced
grave-looking
grave-riven
grave-robbing
grave-toned
grave-visaged
grave-wax
gravel chickweed
gravel plant
gravel road
gravel shooter
gravel train
gravel-bind
gravel-blind
gravel-blindness
gravel-grass
gravel-pit
gravel-stone
gravel-walk
graven image
graves' disease
graves's disease
graveside oration
gravestone cutter
graveyard shift
graveyard vote
graveyard watch
graveyard weed
gravi-
gravimetric analysis
graving dock
graving piece
graving tool
gravitate toward
gravitation battery
gravitation constant
gravitational astronomy
gravitational collapse
gravitational constant
gravitational field
gravitational interaction
gravitational mass
gravitational wave
gravity battery
gravity cell
gravity clock
gravity conveyer
gravity dam
gravity escapement
gravity fault
gray scale
gray sea eagle
gray skate
gray snapper
gray sour
gray squirrel
gray trout
gray whale
gray with age
gray with fear
gray wolf
gray-barked
gray-bearded
gray-bellied
gray-black
gray-blue
gray-bordered
gray-boughed
gray-breasted
gray-brindled
gray-brown
gray-cheeked
gray-cheeked thrush
gray-clad
gray-colored
gray-crowned
gray-drab
gray-eyed
gray-faced
gray-gowned
gray-green
gray-grown
gray-haired
gray-haired person
gray-headed
gray-headed person
gray-headed woodpecker
gray-hooded
gray-hued
gray-leaf
gray-leaf pine
gray-leaved
gray-lit
gray-mantled
gray-moldering
gray-mustached
gray-necked
gray-speckled
gray-spotted
gray-tailed
gray-tailed cardinal
gray-tinted
gray-toned
gray-twiggled
gray-veined
gray-white
gray-winged
grayback beetle
grayback herring
graybeard tree
graying temples
grayish-brown
graylag goose
graze by
graze the surface
grazing country
grazing region
grease bucket
grease cup
grease extractor
grease gun
grease job
grease joint
grease mold
grease monkey
grease moth
grease nipple
grease paint
grease pit
grease rack
grease ring
grease the hand
grease the palm
grease the ways
grease the wheels
grease trap
grease wool
grease your palm
grease-heel
grease-heels
grease-nut
greased lightning
greasing of the wheels
greasy grind
greasy spoon
greasy-headed
great Neptune's ocean
great abundance
great ado
great age
great anteater
great ape
great auk
great barracuda
great basinet
great bear
great beauty
great big
great black-backed gull
great blue heron
great blue shark
great bunch grass
great bustard
great calorie
great cause
great circle
great compass
great cost
great council
great crested grebe
great dane
great deal
great distance
great divide
great doings
great doxology
great effort
great expectations
great foot
great friend
great fun
great go
great grandfather
great gray owl
great gross
great gun
great guns
great heart
great helm
great honor
great horned owl
great hundred
great lady
great laurel
great lobelia
great man
great mullein
great nettle
great northern diver
great octave
great of heart
great of soul
great one for
great organ
great pace
great pastern bone
great plenty
great point
great power
great pox
great price
great primer
great pyrenees
great ragweed
great reach
great reed
great respect
great rhododendron
great rosebay
great russian
great sallow
great satisfaction
great scale
great scope
great sea
great seal
great skua
great soil group
great soul
great success
great talker
great tit
great toe
great tuna
great unwashed, the
great value
great wheel
great white heron
great white shark
great white trillium
great wind
great with child
great with young
great work
great wrong
great year
great, the
great-
great-armed
great-aunt
great-bellied
great-boned
great-children
great-circle
great-circle chart
great-circle course
great-circle sailing
great-circle track
great-coat
great-crested
great-eared
great-eyed
great-footed
great-footed hawk
great-grand daughter
great-grandaunt
great-grandchild
great-grandchildren
great-granddaughter
great-grandfather
great-grandmother
great-grandnephew
great-grandniece
great-grandparent
great-grandson
great-granduncle
great-great-
great-grown
great-head
great-headed
great-hearted
great-hipped
great-leaved
great-lipped
great-minded
great-mindedly
great-mindedness
great-nephew
great-niece
great-nosed
great-sized
great-souled
great-sounding
great-spirited
great-stemmed
great-tailed
great-tailed grackle
great-uncle
great-witted
greater Bairam
greater Ionic
greater and greater
greater celandine
greater city
greater doxology
greater litany
greater multangular bone
greater omentum
greater prairie chicken
greater shearwater
greater weever
greater yellowlegs
greatest common divisor
greatest lower bound
greatest-integer function
greatly daring
greatness of heart
greatness of soul
grebe cloth
greco-
greedy as a hog
greedy eater
greedy guts
greedy-gut
greek catholic
greek cross
greek fire
greek orthodox
green Chartreuse
green June beetle
green alga
green algae
green apple
green as grass
green bag
green ball
green bass
green bean
green belt
green blindness
green book
green card
green cheese
green cloth
green color
green coppersas
green corn
green crab
green dragon
green earth
green fee
green fingers
green flash
green foxtail
green frog
green gland
green glass
green gold
green goods
green goose
green gram
green grass
green head
green heron
green in the eye
green lead ore
green leek
green light
green light
green man
green manure
green mint
green mold
green monkey
green mould
green mountain boy
green ocher
green oil
green old age
green onion
green osier
green paper
green pea
green pepper
green pigeon grass
green plover
green pound
green revolution
green rot
green salad
green salt
green sauce
green sea
green segment
green sickness
green snake
green soap
green strength
green stuff
green tea
green thumb
green turtle
green valley-grass
green vegetable
green vegetables
green verditer
green vitriol
green wattle
green way
green with envy
green with jealousy
green woodpecker
green-back herring
green-back trout
green-backed
green-backed goldfinch
green-bag
green-banded
green-barked
green-barked acacia
green-belt
green-black
green-blind
green-blue
green-bodied
green-boled
green-bordered
green-bottle fly
green-boughed
green-breasted
green-breasted pheasant
green-clad
green-crested
green-cross gas
green-cross shell
green- curtained
green- decked
green- ear disease
green- edged
green- embroidered
green- eyed
green- eyed jealousy
green- eyed monster
green- faced
green- feathered
green- fish
green- flowered
green- fly
green- fringed
green- garbed
green- gilled
green- glazed
green- gold
green- gray
green- grown
green- haired
green- headed
green- headed widgeon
green- house
green- hued
green- leaved
green- legged
green- mantled
green- peak
green- recessed
green- ribbed
green- room
green- rotted
green- salted
green- sand
green- seeded
green- shaving
green- sheathed
green- shining
green- skinned
green- sleeves
green- stained
green- stone
green- striped
green- suited
green- tail
green- tail fly
green- tailed
green-throated
green-tinted
green-tip spray
green-tipped
green-twined
green-veined
green-winged
green-winged teal
green-yard
green-yellow
greenbottle fly
greenhouse effect
greenhouse stone cricket
greenhouse thrips
greening weed
greenish-blue
greenish-flowered
greenish-yellow
greens fee
greensand process
greenstick fracture
greenwich time
greet the day
greet with a kiss
greet with skepticism
greeting card
gregorian calendar
gregorian chant
gregory-powder
grenade launcher
grenadine pink
grenadine red
grenz ray
gresham's law
gretna green
grey area
grey eminence
grey fox
grey friar
grey goose
grey heron
grey lag
grey market
grey matter
grey mullet
grey plover
grey squirrel
grey whale
grey wolf
grey-back
grey-cheeked
grey-coat
grey-eyed morn
grey-headed
grey-hen
grey-state
greyhound racing
greylag goose
grid battery
grid bias
grid capacitor
grid circuit
grid condenser
grid conductance
grid current
grid declination
grid emission
grid leak
grid line
grid metal
grid modulation
grid road
grid variation
grid voltage
grid-bias battery
grid-dip meter
grid-dip oscillator
grid-glow tube
grid-seal tube
griddle cake
griddle valve
gridiron drainage
gridiron pendulum
gridiron valve
gridiron-tailed lizard
grief dulled
grief oppressed
grief-bowed
grief-distraught
grief-exhausted
grief-inspired
grief-scored
grief-shot
grief-stricken
grief-worn
grievance committee
grieve for
grieve over
grieve with
grievous bodily harm
griffin-beaked
griffin-guarded
griffin-winged
griffon vulture
griffon-vulture
grigri man
grilled cheese sandwich
grim reality
grim reaper
grim-cheeked
grim-eyed
grim-faced
grim-featured
grim-frowning
grim-grinning
grim-looking
grim-set
grim-visaged
grimace at
grimm's law
grimy-handed
grin and abide
grin and bear it
grin at
grin like a Cheshire cat
grin like a chessy-cat
grind down
grind on
grind organ
grind to dust
grind to powder
grind whale
grind your teeth
grindery warehouse
grinding halt
grinding mill
grinding organ
grinding pain
grinding poverty
grinding stone
grinding wheel
grindle stone
grinning skull
grip block
grip car
grip of steel
grip sheave
grip tape
grip wheel
gripe piece
gripe water
gripe's egg
gripping instrument
gripping instruments
gripple-handed
gris-amber
gris-de-lin
gris-gris
grist to the mill
grist to your mill
grit cell
grit your teeth
grizzly bear
grizzly-bear cactus
groaning board
groaning cake
groaning chair
groans of roaring wind and rain
grocery store
grog blossom
grog lifter
groin point
groin rib
groin vault
grommet nut
groo-groo
groom's cake
groom-porter
groove board
groove on
groove-billed
grooving plane
grooving saw
grope for
grope in the dark
gros de Londres
gros de Tours
gros de naples
gros grain
gros point
gros points
gros tournois
gross amount
gross behavior
gross body
gross credulity
gross domestic product
gross falsehood
gross ignorance
gross income
gross injustice
gross interest
gross lift
gross national product
gross out
gross profit
gross receipts
gross register ton
gross register tonnage
gross ton
gross tonnage
gross up
gross weight
gross-beak
gross-bodied
gross-brained
gross-featured
gross-fed
gross-headed
gross-jawed
gross-lived
gross-mannered
gross-minded
gross-money
gross-money pool
gross-natured
gross-pated
gross-witted
grossly overpriced
grotto blue
ground alert
ground almond
ground angling
ground annual
ground annualer
ground ash
ground bait
ground ball
ground bass
ground beam
ground beef
ground beetle
ground birch
ground box
ground bridge
ground bundle
ground burnut
ground cable
ground cedar
ground centaury
ground chain
ground cherry
ground chestnut
ground chuck
ground circuit
ground cistus
ground clamp
ground cloth
ground clutter
ground coat
ground cock
ground color
ground combat
ground connection
ground control
ground control of aircraft
ground cover
ground crew
ground cricket
ground cuckoo
ground current
ground cypress
ground detector
ground dove
ground down
ground effect machine
ground elder
ground elevation
ground fern
ground finch
ground fir
ground fire
ground flax
ground flea
ground floor
ground fog
ground forces
ground form
ground game
ground gas
ground glass
ground gold-flower
ground goldenrod
ground goldflower
ground grue
ground hard and fast
ground hemlock
ground hog
ground holly
ground honeysuckle
ground ice
ground itch
ground ivory flower
ground ivy
ground jasmine
ground joist
ground juniper
ground lag
ground landlord
ground lark
ground laurel
ground layer
ground lead
ground lease
ground lemon
ground level
ground lily
ground line
ground liverwort
ground lizard
ground log
ground loop
ground mahogany
ground mail
ground mallow
ground maple
ground meristem
ground mine
ground mold
ground moss
ground net
ground noise
ground note
ground oak
ground observer
ground on
ground out
ground owl
ground parakeet
ground parrot
ground pea
ground pearl
ground pig
ground pigeon
ground pike
ground pine
ground pink
ground pistachio
ground plan
ground plane
ground plate
ground plum
ground provisions
ground puppy
ground radar
ground raspberry
ground rat
ground rattan
ground rattler
ground rent
ground rent insurance
ground robin
ground roller
ground rope
ground round
ground row
ground rule
ground rules
ground saligot
ground school
ground sea
ground seal
ground shark
ground shield
ground skidder
ground sloth
ground sluice
ground snake
ground sparrow
ground speed
ground squirrel
ground staff
ground starling
ground state
ground strake
ground stroke
ground substance
ground sweet
ground swell
ground table
ground tackle
ground test
ground tester
ground thistle
ground thrush
ground tier
ground timbers
ground tissue
ground tit
ground tone
ground tow
ground track
ground troops
ground vine
ground warbler
ground water
ground wave
ground ways
ground willow
ground wire
ground worm
ground wren
ground yew
ground your arms
ground zero
ground-ash
ground-attack fighter
ground-bait
ground-bird
ground-cherry
ground-control approach
ground-controlled approach
ground-down
ground-effect machine
ground-fast
ground-floor
ground-hog
ground-hog day
ground-ice
ground-ivy
ground-line
ground-man
ground-nut
ground-pea
ground-pine
ground-plan
ground-plate
ground-plot
ground-rent
ground-sea
ground-sheet
ground-sluicer
ground-squirrel
ground-squirrel pea
ground-support aircraft
ground-swell
ground-tackle
ground-to-air
ground-to-ground
ground-water level
grounded on
groundhog day
grounding connection
groundless rumor
groundnut oil
grounds for belief
grounds for war
grounds keeper
groundsel bush
groundsel tree
group agglutination
group analysis
group annuity
group ascendancy
group breaker
group captain
group drive
group dynamics
group flashing light
group insurance
group life insurance
group marriage
group medicine
group method
group mind
group mixture
group occulting light
group of advisers
group payment
group policy
group practice
group pressure
group psychology
group psychotherapy
group rate
group relations training
group representation
group sensitivity training
group shot
group test
group theory
group therapy
group velocity
group will
group with operators
group work
group-connect
group-conscious
grouper pea
groups of languages
grouse disease
grouse locust
grount box
grount-head
grountlock brick
grove mast
grove palm
grove spar
grove tree
grow better
grow bright
grow cold
grow dark
grow dim
grow fat
grow from
grow hair
grow into
grow larger
grow light
grow like a weed
grow lush
grow old
grow on
grow on one
grow out of
grow over
grow pale
grow rank
grow red
grow rich
grow thick
grow to
grow together
grow up
grow weaker
grow weary
grow worse
growing degree-day
growing like a mushroom
growing lush
growing old
growing pains
growing point
growing rank
growing season
growing up
growl at
grown man
grown old
grown up
grown woman
grown-up
grown-upness
growth factor
growth force
growth form
growth fund
growth hormone
growth regulator
growth ring
growth shares
growth stock
grozing iron
grozing-iron
gru-gru
grub ax
grub beam
grub hoe
grub hook
grub out
grub plank
grub saw
grub screw
grub street
grub up
guest right
guest room
guest rope
guest ticket
guest-chamber
guest-rope
guest-warp
guest-apens
guide block
guide card
guide center
guide dog
guide flag
guide fossil
guide left
guide meridian
guide mill
guide one's ear
guide pennant
guide pulley
guide rail
guide right
guide rope
guide word
guide yourself
guide-book
guide-post
guided control
guided missile
guided missile cruiser
guided wave
guider-in
guiding light
guiding principle
guiding principles
guiding star
guiding telescope
guild merchant
guild socialism
guild socialist
guild tree
guild-brother
guild-hall
guild-socialistic
guillotine amputation
guillotine shears
guilt offering
guilt-feelings
guilty act
guilty conscience
guilty verdict
guilty-cup
guinea cock
guinea flower
guinea fowl
guinea gold
guinea goose
guinea grains
guinea grass
guinea hen
guinea pepper
guinea pig
guinea rush
guinea sorrel
guinea trade
guinea worm
guinea-cock
guinea-fowl
guinea-hen
guinea-hen flower
guinea-hen weed
guinea-man
guinea-pea
guinea-pig
guipure lace
guise dancer
ghit-guit
guitar fiddle
guitar mandolin
guitar plant
guitar wood
guitar-picker
guitar-shaped
gulf rupee
gulf stream
gulf-weed
gull chaser
gull grass
gull gray
gull teaser
gull wing
gull-billed
gull-like
gull-wing
gullet plate
gullet worm
gum labdanum
gum mastic
gum mogador
gum myrrh
gum nut
gum olibanum
gum opoponax
gum plant
gum pocket
gum rash
gum resin
gum resins
gum rosin
gum sagapenum
gum sandarac
gum savakin
gum shellac
gum shiraz
gum silk
gum soap
gum spirit
gum spirits
gum spot
gum stick
gum storax
gum succory
gum sugar
gum thus
gum tragacanth
gum tree
gum turpentine
gum up
gum up the works
gum water
gum-bichromate
gum-dichromate
gum-gum
gum-lac
gum-lac insect
gum-myrtle
gum-resinous
gum-saline
gum-shrub
gum-top
gum-top tree
gum-tree
gumbo grass
gumbo lily
gumbo limbo
gumbo soil
gumbo-limbo
gumbo-limbos
gumby bird
gummed up
gumming disease
gumming spade
gummy-legged
gumshoe man
gun assembler
gun barrel
gun bearer
gun boat
gun bore
gun breech
gun brig
gun captain
gun carriage
gun chamber
gun crew
gun deck
gun director
gun dog
gun down
gun emplacement
gun fight
gun fighter
gun fighting
gun firing
gun for
gun forger
gun forging
gun glaze
gun iron
gun lathe
gun loader
gun locksmith
gun makes
gun metal
gun moll
gun money
gun mount
gun park
gun parts
gun pendulum
gun pit
gun platform
gun power
gun room
gun sight
gun slide
gun tackle
gun-barrel lathe
gun-boat
gun-carrying
gun-cleaning
gun-cotten
gun-deck
gun-directing radar
gun-equipped
gun-man
gun-metal
gun-metal gray
gun-mounted
gun-rivet
gun-room
gun-shot
gun-shy
gun-shyness
gun-stock
gun-testing
gun-toting
gunboat diplomacy
gunboat system
gunebo lily
gung ho
gung-ho
gunk hole
gunnery mission
gunnery oficer
gunnery sergeant
gunny bag
gunny cloth
gunny sack
gunny-bag
gunong api
gunpowder hammer
gunpowder tea
guns and launchers
gunstock stile
gunter iron
gunter lug
gunter rig
gunter's chain
gurgeon stopper
gurgina balsam
guri bori
gurjun balsam
guru nut
gush out
gush over
gushing rain
gusset plate
gusset stay
gussied up
gussy up
gustatory cell
gustatory delightfulness
gut course
gut reaction
gut response
gut spinner
gut with fire
gut-ache
gute Nacht
guten Abend
guten Morgen
guten Tag
gutless wonder
gutta balata
gutta dujan
gutta gamba
gutta gerip
gutta hangkang
gutta jangkar
gutta jelutong
gutta ketapang
gutta percha
gutta puan
gutta rosacea
gutta rosea
gutta sangei
gutta semarum
gutta serena
gutta siak
gutta singarip
gutta soh
gutta sundek
gutta sundik
gutta susu
gutta taban puteh
gutta-gum
gutta-gum tree
gyro mechanism
gyro pelorus
gyro repeater
gyro-
gyromagnetic ratio
gyroscopic compass
gyroscopic pilot
gyroscopic stabilizer
gyrostatic compass
h and c
h-bar
h-bomb
ha ha
ha-Nasi
ha-ha
hab-nab
habeas corpora
habeas corpus
habeas corpus ad prosequendum
habeas corpus ad subjiciendum
habeas corpus ad testificandum
habeas corpus cum causa
habere facias possessionem
habere facias seisinam
habit pattern
habit shirt
habit spasm
habit-forming
habitat form
habitat group
habitual criminal
habitual drunkenness
habitual liar
habitual offender
habitual smoking
hack board
hack file
hack hammer
hack house
hack it
hack out a deal
hack saw
hack watch
hack writer
hack-
hack-me-tack
hack-work
hacking coat
hair bramble
hair brown
hair cap moss
hair carder
hair cell
hair clipper
hair color
hair compass
hair crimper
hair curler
hair drawer
hair dye
hair dyeing
hair dyer
hair eel
hair fern
hair follicle
hair glove
hair grass
hair grip
hair hygrometer
hair kiln
hair lacquer
hair mattress
hair moss
hair moth
hair net
hair of the dog
hair of the dog that bit one
hair of the dog that bit you
hair oil
hair orchid
hair palm
hair pencil
hair powder
hair pyrites
hair remover
hair restorer
hair ribbon
hair salt
hair seal
hair sheep
hair shirt
hair sieve
hair slide
hair snake
hair sofa
hair sorter
hair space
cuticular space
hair straightener
hair stroke
hair stylist
hair tonic
cuticular trigger
hair trunk
hair wash
hair washer
hair waver
hair's-breadth
hair-branch tree
hair-check
hair-checking
hair-drawn
hair-drier
hair-fibered
hair-grass
hair-lace
hair-line
hair-lip
hair-powder
hair-raiser
hair-raising
hair-shirt
hair-sieve
hair-splitter
hair-splitting
hair-stemmed
hair-streak
hair-stroke
hair-trigger
hair-waving
hair-worm
hairbreadth escape
hairbrush cactus
haircap moss
hairpin bend
hairpin megaron
hairpin turn
hairs-breadth
hairy frog
hairy heart
hairy vetch
hairy wattle
hairy willowherb
hairy woodpecker
hairy-armed
hairy-chested
hairy-clad
hairy-dog story
hairy-eared
hairy-faced
hairy-foot
hairy-footed
hairy-fruited
hairy-handed
hairy-headed
hairy-legged
hairy-looking
hairy-skinned
hairy-tailed mole
hairytail mole
hal-
halade mystai
halberd fern
halberd-headed
halberd-leaved
halberd-shaped
halcyon bird
halcyon days
hale and hearty
hale bind
hale into court
hale old age
hale water
hale-nut
half G
half Wellington
half a C
half a chance
half a dozen
half a gale
half a hundred
half a jiffy
half a mo
half a second
half a shake
half after
half an eye
half an idea
half anatropous
half angel
half armor
half asleep
half aunt
half ball
half believe
half binding
half bird
half bishop
half block
half blood
half board
half boot
half boots
half brau
half broad
half brother
half bull
half butt
half cadence
half cent
half chronometer
half circle
half close
half cloth
half cock
half column
half cone
half court
half cousin
half cross stitch
half crown
half curlew
half cushion
half davit
half deck
half dime
half diphthong
half dollar
half eagle
half facet
half frame
half gainer
half galley
half gerund
half grand
half header
half hitch
half holiday
half hose
half hour
half hunter
half island
half joe
half landing
half large
half leather
half life
half line
half mask
half measure
half measures
half mile
half model
half mourning
half nelson
half nephew
half niece
half noble
half note
half nut
half past
half pay
half pint
half plane
half points
half port
half principal
half rations
half ray
half relief
half rest
half rhyme
half ring
half ripsaw
half royal
half rupee
half scholar
half seal
half seas over
half sheave
half shell
half shirt
half shoe
half sir
half sister
half size
half small
half snipe
half sol
half sole
half sovereign
half space
half speed
half step
half stitch
half stock
half story
half stuff
half term
half tide
half timber
half time
half tint
half title
half tone
half trap
half twist
half uncial
half uncle
half volley
half vowel
half year
half-
half-American
half-Americanized
half-Anglicized
half-Aristotelian
half-Asian
half-Asiatic
half-Beaufort scale
half-Christian
half-Confederate
half-Creole
half-Dacron
half-Elizabethan
half-English
half-French
half-German
half-Greek
half-Hessian
half-Irish
half-Italian
half-Latinized
half-Mexican
half-Mohammedan
half-Moslem
half-Muhammadan
half-Muslim
half-Russian
half-Scottish
half-Semitic
half-Shakespearean
half-Spanish
half-a-crown
half-a-dollar
half-abandoned
half-acquainted
half-acquiescent
half-acquiescently
half-acre
half-addressed
half-admiring
half-admiringly
half-admitted
half-admittedly
half-adream
half-affianced
half-afloat
half-afraid
half-agreed
half-alike
half-alive
half-altered
half-and-half
half-and-half measures
half-angrily
half-angry
half-annoyed
half-annoying
half-annoyingly
half-ape
half-armed
half-armor
half-ashamed
half-ashamedly
half-asleep
half-assed
half-awake
half-backed
half-baked
half-bald
half-banked
half-baptize
half-barbarian
half-bare
half-barrel
half-beak
half-beam
half-begging
half-begun
half-belief
half-believed
half-believing
half-bent
half-binding
half-bleached
half-blind
half-blind joint
half-blindly
half-blood
half-blooded
half-blown
half-blue
half-board
half-boiled
half-boiling
half-boot
half-bound
half-bowl
half-breadth plan
half-bred
half-breed
half-brilliant cut
half-broken
half-brother
half-buried
half-burned
half-burning
half-bushel
half-butt
half-calf
half-cap
half-carried
half-caste
half-cell
half-cent
half-centuries
half-century
half-chanted
half-cheek
half-civil
half-civilized
half-civilly
half-clad
half-cleaned
half-clear
half-clearly
half-climbing
half-closed
half-closing
half-clothed
half-coaxing
half-coaxingly
half-cock
half-cocked
half-colored
half-completed
half-concealed
half-concealing
half-confessed
half-congealed
half-conquered
half-conscious
half-consciously
half-conservative
half-conservatively
half-consonant
half-consumed
half-consummated
half-contemptuous
half-contemptuously
half-contented
half-contentedly
half-convicted
half-convinced
half-convincing
half-convincingly
half-cooked
half-cordate
half-corrected
half-cotton
half-counted
half-courtline
half-cousin
half-covered
half-cracked
half-crazed
half-crazy
half-critical
half-critically
half-crown
half-crumbled
half-crumbling
half-cured
half-cut
half-dark
half-day
half-dazed
half-dead
half-dead escapement
half-deaf
half-deafened
half-deafening
half-decade
half-deck
half-decked
half-decker
half-defiant
half-defiantly
half-deified
half-demented
half-democratic
half-demolished
half-denuded
half-deprecating
half-deprecatingly
half-deserved
half-deservedly
half-destroyed
half-developed
half-digested
half-dime
half-discriminated
half-discriminating
half-disposed
half-divine
half-divinely
half-dollar
half-done
half-door
half-dozen
half-dram
half-dressed
half-dressedness
half-dried
half-drowned
half-drowning
half-drunken
half-drunk
half-dug
half-dying
half-eagle
half-earnest
half-earnestly
half-eaten
half-ebb
half-educated
half-embraced
half-embracing
half-embracingly
half-enamored
half-enforced
half-erased
half-evaporated
half-evaporating
half-evergreen
half-expectant
half-expectantly
half-exploited
half-exposed
half-face
half-face view
half-faced
half-false
half-famished
half-farthing
half-fascinated
half-fascinating
half-fascinatingly
half-fed
half-feminine
half-fertile
half-fertilely
half-fictitious
half-fictitiously
half-filled
half-finished
half-firkin
half-fish
half-flattered
half-flattering
half-flatteringly
half-flood
half-florin
half-folded
half-foot
half-forgiven
half-forgotten
half-formed
half-forward
half-frowning
half-frowningly
half-frozen
half-fulfilled
half-fulfilling
half-full
half-furnished
half-gallon
half-gill
half-god
half-great
half-grown
half-guinea
half-hard
half-hardy
half-harvested
half-headed
half-healed
half-heard
half-hearted
half-heathen
half-hidden
half-hitch
half-holiday
half-hollow
half-horse
half-hour
half-hour glass
half-hourly
half-human
half-hungered
half-hunter
half-hypnotized
half-imperial
half-important
half-importantly
half-inch
half-inclined
half-indignant
half-indignantly
half-inferior
half-informed
half-informing
half-informingly
half-ingenious
half-ingeniously
half-ingenuous
half-ingenuously
half-inherited
half-insinuated
half-insinuating
half-insinuatingly
half-instinctive
half-instinctively
half-intellectual
half-intellectually
half-intelligible
half-intelligibly
half-intoned
half-intoxicated
half-invalid
half-invalidly
half-iron
half-island
half-jack
half-jelled
half-joking
half-jokingly
half-justified
half-knot
half-know
half-languaged
half-languishing
half-lap joint
half-lapped
half-lattice girder
half-latticed
half-learned
half-learnedly
half-learning
half-leather
half-left
half-length
half-liberal
half-liberally
half-life
half-life period
half-light
half-lined
half-linen
half-liter
half-lived
half-lives
half-long
half-looper
half-lop
half-lunatic
half-lunged
half-mad
half-made
half-madly
half-madness
half-marked
half-marrow
half-mast
half-masticated
half-matured
half-meant
half-measure
half-melted
half-mental
half-mentally
half-merited
half-miler
half-minded
half-minute
half-minute glass
half-miseducated
half-misunderstood
half-mitten
half-monitor
half-monthly
half-moon
half-moral
half-mourning
half-mumbled
half-mummified
half-naked
half-nelson
half-nephew
half-niece
half-noble
half-normal
half-normally
half-note
half-numb
half-nylon
half-obiterated
half-offended
half-on
half-one
half-open
half-opened
half-oriental
half-orphan
half-oval
half-oxidized
half-pace
half-pay
half-peck
half-petrified
half-pike
half-pint
half-pipe
half-pitch
half-plane
half-plate
half-playful
half-playfully
half-pleased
half-pleasing
half-plucked
half-port
half-pound
half-pounder
half-praised
half-praising
half-present
half-price
half-profane
half-professed
half-profile
half-proletarian
half-protested
half-protesting
half-proved
half-proven
half-provocative
half-quarter
half-quinquennial
half-quarterpace
half-questioning
half-questioningly
half-quire
half-quixotic
half-quixotically
half-radical
half-radically
half-rater
half-raw
half-rayon
half-reactionary
half-read
half-reasonable
half-reasonably
half-reasoning
half-rebellious
half-rebelliously
half-reclaimed
half-reclined
half-reclining
half-refined
half-regained
half-reluctant
half-reluctantly
half-remonstrant
half-repentant
half-republican
half-retinal
half-revealed
half-reversed
half-rhyme
half-right
half-ripe
half-ripened
half-roasted
half-rod
half-romantic
half-romantically
half-rotted
half-rotten
half-round
half-round file
half-rueful
half-ruefully
half-ruined
half-run
half-russia
half-sagittate
half-savage
half-savagely
half-saved
half-seal
half-seas over
half-seas-over
half-second
half-section
half-seen
half-sensed
half-serious
half-seriously
half-severed
half-shade
half-shamed
half-share
half-shared
half-sheathed
half-sheathed
half-shoddy
half-shot
half-shouted
half-shroud
half-shrub
half-shrubby
half-shut
half-shy
half-shyly
half-sib
half-sibling
half-sighted
half-sightedly
half-sightedness
half-silk
half-sinking
half-sister
half-size
half-sleeve
half-sleeved
half-slip
half-smile
half-smiling
half-smilingly
half-smothered
half-snipe
half-sole
half-soled
half-solid
half-soling
half-souled
half-sovereign
half-spoonful
half-spun
half-squadron
half-staff
half-starved
half-starving
half-step
half-sterile
half-stock
half-stocking
half-stopped
half-strain
half-strained
half-stroke
half-strong
half-stuff
half-subdued
half-submerged
half-successful
half-successfully
half-succulent
half-suit
half-sung
half-sunk
half-sunken
half-swing
half-sword
half-syllabled
half-taught
half-tearful
half-tearfully
half-teaspoonful
half-tented
half-terete
half-term
half-theatrical
half-thickness
half-thought
half-tide
half-tide dock
half-timber
half-timbered
half-time
half-time intermission
half-timer
half-title
half-title page
half-tone
half-tongue
half-track
half-tracked
half-trained
half-training
half-translated
half-true
half-truth
half-truths
half-turn
half-turn stair
half-turned
half-turning
half-understood
half-undone
half-used
half-utilized
half-value layer
half-veiled
half-vellum
half-verified
half-vexed
half-visibility
half-visible
half-volley
half-volleyed
half-volleyer
half-volleying
half-vowelish
half-waking
half-wave rectification
half-wave rectifier
half-way
half-whispered
half-whisperingly
half-white
half-wicket
half-wild
half-wildly
half-willful
half-willfully
half-winged
half-wit
half-witted
half-wittedly
half-wittedness
half-womanly
half-won
half-woolen
half-word
half-world
half-worsted
half-woven
half-written
half-year
half-yearly
halfhead bedstead
halfhearted thanks
halfpenny post
halftone engraving
halfway covenant
halfway file
halfway house
halfway in the middle
halfway mark
halfway measures
halfway place
halfway point
halfway station
halibut-liver oil
haling hands
hall bedroom
hall of residence
hall stand
hall tree
hall-door
hall-mark
hall-of-famer
hallelujah meter
hallow-e'en
hallow-tide
hallowed be Thy Name
hallucinatory painting
hallux valgus
halo blight
halo spot
halo-
halo-bright
halo-crowned
halo-girt
halogen gas
halter-sack
halter-wise
halting meters
halve together
ham actor
ham and eggs
ham it up
ham operator
ham rig
ham sandwich
ham shack
ham station
ham steak
ham transmitter
ham-fisted
ham-handed
ham-handedness
hamadryas baboon
hamber line
hamber-line
hamburg steak
hamburger stand
hame tug
hamitic languages
hamito-semitic
hamito-semitic languages
hammer and sickle
hammer and tongs
hammer at
hammer away
hammer away at
hammer ax
hammer beam
hammer blow
hammer break
hammer butt
hammer cap
hammer crane
hammer drill
hammer dulcimer
hammer gun
hammer into your head
hammer lock
hammer maker
hammer mill
hammer molding
hammer out
hammer out a deal
hammer oyster
hammer pick
hammer pike
hammer pond
hammer price
hammer rail
hammer scale
hammer sedge
hammer shank
hammer shell
hammer slag
hammer spring
hammer tail
hammer throw
hammer thrower
hammer throwing
hammer tongs
hammer welding
hammer-beam
hammer-cloth
hammer-hard
hammer-harden
hammer-head
hammer-proof
hammer-refined
hammer-shaped
hammer-strong
hammer-weld
hammer-welded
hammer-wrought
hammered work
hammerhead shark
hammerheaded shark
hammering glass
hammering out a deal
hamming up
hammock batten
hammock berthing
hammock clew
hammock cloth
hammock netting
hammy acting
hance arch
hancing piece
hand a sail
hand alphabet
hand and foot
hand and glove
hand ax
hand baggage
hand bell
hand blocker
hand brake
hand brush
hand camera
hand cannon
hand cheese
hand clapping
hand cleaner
hand composition
hand cream
hand director
hand down
hand drill
hand driller
hand dynamometer
hand embroidery
hand feeder
hand firer
hand fishing
hand flail
hand for hand
hand forward
hand gallop
hand gear
hand glass
hand goniometer
hand graver
hand grenade
hand guard
hand gun
hand hoe
hand boer
hand hook
hand horn
hand in
hand in glove
hand in hand
hand in your checks
hand in your chips
hand in your resignation
hand infection
hand iron
hand ironer
hand it to
hand job
hand knitter
hand labor
hand laborer
hand language
hand laundry
hand lead
hand lens
hand letter
hand level
hand line
hand list
hand log
hand loom
hand lotion
hand luggage
hand mast
hand mill
hand miller
hand milling machine
hand miner
hand mirror
hand mixer
hand molder
hand money
hand mule
hand of death
hand of friendship
hand of glory
hand of writ
hand off
hand on
hand orchis
hand organ
hand out
hand over
hand over fist
hand over hand
hand over head
hand over your sword
hand paper
hand pitching
hand planer
hand plant
hand plate
hand play
hand plow
hand polisher
hand press
hand print
hand promise
hand pump
hand pumper
hand punch
hand riveter
hand roller
hand rope
hand running
hand screw
hand scroll
hand set
hand sewer
hand signal
hand spar
hand spinning
hand splicer
hand stitcher
hand sweep
hand tap
hand tight
hand tissue
hand to hand
hand to mouth
hand tool
hand tooling
hand towel
hand tree
hand trimmer
hand truck
hand turner
hand up an indictment
hand vote
hand weaver
hand weeder
hand worker
hand your name down to posterity
hand's turn
hand's-breadth
hand-ax
hand-ball
hand-barrow
hand-beaten
hand-blocked
hand-blown
hand-bound
hand-broad
hand-broken
hand-built
hand-canter
hand-carry
hand-cart
hand-carve
hand-chase
hand-churn drill
hand-clasp
hand-clean
hand-closed
hand-colored
hand-comb
hand-crushed
hand-culverin
hand-cut
hand-dress
hand-drill
hand-drop
hand-dug
hand-embroidered
hand-fed
hand-feed
hand-feeding
hand-fill
hand-filled
hand-fire
hand-fives
hand-fold
hand-footed
hand-glass
hand-grenade
hand-habend
hand-held
hand-hewn
hand-hidden
hand-high
hand-in
hand-in-glove
hand-in-hand
hand-knit
hand-knitted
hand-knitting
hand-knotted
hand-labour
hand-lettered
hand-line
hand-liner
hand-list
hand-loom
hand-topped
hand-made
hand-me-down
hand-me-downs
hand-mill
hand-minded
hand-mindedness
hand-mix
hand-mold
hand-off
hand-operated
hand-organist
hand-out
hand-packed
hand-pick
hand-picked
hand-pitched
hand-play
hand-pollinate
hand-pollination
hand-power
hand-presser
hand-pressman
hand-printing
hand-pump
hand-rail
hand-rear
hand-reared
hand-rinse
hand-rivet
hand-roll
hand-rub
hand-rubbed
hand-sent
hand-sew
hand-sewn
hand-shackled
hand-sort
hand-splice
hand-split
hand-spun
hand-staff
hand-stamp
hand-stamped
hand-stitch
hand-stuff
hand-tailor
hand-tailored
hand-taut
hand-thrown
hand-tied
hand-tight
hand-to-hand
hand-to-hand combat
hand-to-hand fight
hand-to-mouth
hand-to-mouth existence
hand-tooled
hand-treat
hand-trim
hand-turn
hand-vice
hand-wash
hand-weave
hand-weed
hand-worked
hand-woven
hand-wrist
hand-wrought
handed down
handflower tree
handful of thumbs
handicap race
handicapped person
handicapped, the
handicraft economy
handie-talkie
handing over
handkerchief table
handle bar
handle bars
handle blank
handle it just right
handle to your name
handle with gloves
handle with kid gloves
handle with velvet gloves
handle yourself
handle yourself well
handle-bar mustache
handlebar moustache
handmaid moth
handrail bolt
hands down
hands of
hands-down
hands-off
hands-off policy
handsome fortune
handsome-featured
handwriting expert
handwriting on the wall
handy at
handy man
handy-andies
handy-andy
handy-billy
handy-dandy
handy-pandy
handy-spandy
hang about
hang about at
hang around
hang around at
hang around with
hang back
hang behind
hang by a thread
hang by the eyelids
hang by the neck
hang crepe
hang down
hang fire
hang glider
hang heavy on your hands
hang in
hang in doubt
hang in effigy
hang in space
hang in suspense
hang in the balance
hang in there
hang it
hang like a millstone
hang net
hang off
hang on
hang on for dear life
hang on like a bulldog
hang on like a leech
hang on the lips
hang on the lips of
hang on the skirts of
hang on the sleeve of
hang on to
hang on your words
hang one on
hang open
hang out
hang out at
hang out with
hang out your shingle
hang over
hang over your head
hang something on
hang the expense
hang the jury
hang together
hang tough
hang up
hang up your hat
hang up your shingle
hang up your spurs
hang upon
hang upon the skirts of
hang your head
hang your lip
hang-
hang-back
hang-by
hang-choice
hang-dog
hang-down
hang-fair
hang-glider
hang-head
hang-nail
hang-over
hang-up
hangdog look
hanger board
hanger bolt
hanger-back
hanger-on
hanger-up
hangers-on
hanging buttress
hanging by a thread
hanging compass
hanging fixture
hanging gardens
hanging indention
hanging lie
hanging on
hanging out
hanging over your head
hanging post
hanging rail
hanging scroll
hanging step
hanging stile
hanging valley
hanging wall
hanging-drop culture
hangman's hands
hangman's knot
hangman's rope
hank-type antenna
hanker after
hankey-pankey
hanky-panky
hanse house
hansen's disease
hansom cab
hapax legomena
hapax legomenon
hapl-
haplo-
haploid number
happen along
happen as expected
happen by
happen by chance
happen on
happen over and over
happen to be
happen together
happen upon
happen what may
happy as a baby boy
happy as a clam at high water
happy as a king
happy as a lark
happy as the day is long
happy chance
happy expectation
happy family
happy fortune
happy hour
happy hunting ground
happy landing
happy medium
happy thought
happy warrior
happy-go-luckiness
happy-go-lucky
happy-go-luckyism
hara-kin
hara-kiri
harbinger-of-spring
harbingers-of-spring
harbor a design
harbor a feeling
harbor an idea
harbor deck
harbor doubts
harbor due
harbor furl
harbor gasket
harbor log
harbor master
harbor of refuge
harbor pilot
harbor porpoise
harbor resentment
harbor revenge
harbor seal
harbor stow
harbor suspicions
harbor the hope
harbor watch
harbour master
harbour seal
hard alee
hard and fast
hard and fast rule
hard aport
hard as a rock
hard as nails
hard astarboard
hard at it
hard at work
hard aweather
hard bargain
hard binding
hard blow
hard book
hard bop
hard by
hard candy
hard cash
hard chancre
hard cheese
hard cider
hard clam
hard coal
hard copy
hard core
hard court
hard currency
hard dinkum
hard drink
hard drinker
hard drug
hard fact
hard feelings
hard fern
hard fescue
hard frost
hard goods
hard grass
hard grind
hard ground
hard hat
hard head
hard heart
hard image
hard information
hard job
hard knocks
hard labor
hard labour
hard landing
hard lay
hard lead
hard life
hard line
hard lines
hard liquor
hard look
hard lot
hard luck
hard man with a buck
hard maple
hard market
hard mass
hard masse
hard master
hard money
hard news
hard nut to crack
hard oat grass
hard of belief
hard of hearing
hard of heart
hard on
hard on the eyes
hard over
hard palate
hard paste
hard pinch
hard pressed
hard pull
hard put
hard put to it
hard resin
hard resins
hard road to travel
hard rock
hard roe
hard roll
hard row of stumps
hard row to hoe
hard rubber
hard sauce
hard sell
hard shadow
hard shell
hard shoulder
hard sign
hard solder
hard stuff
hard tick
hard times
hard to believe
hard to please
hard to understand
hard tube
hard up
hard upon
hard usage
hard use
hard water
hard weather
hard wheat
hard winter
hard word
hard words
hard work
hard-acquired
hard-and-fast
hard-and-fastness
hard-bake
hard-baked
hard-barked
hard-beating
hard-bill
hard-billed
hard-biting
hard-bitted
hard-bitten
hard-bittenness
hard-boil
hard-boiled
hard-boiledness
hard-boned
hard-bought
hard-bred
hard-coated
hard-contested
hard-cooked
hard-core
hard-core pornography
hard-cover book
hard-cured
hard-drawn
hard-dried
hard-drinking
hard-driven
hard-driving
hard-drying
hard-earned
hard-edge
hard-edged
hard-eyed
hard-faced
hard-fated
hard-favored
hard-favoredness
hard-favoured
hard-favouredness
hard-feathered
hard-featured
hard-featuredness
hard-fed
hard-fighting
hard-finished
hard-fired
hard-fisted
hard-fistedness
hard-fleshed
hard-fought
hard-gained
hard-got
hard-grained
hard-haired
hard-handed
hard-handled
hard-hat
hard-headed
hard-heart
hard-hearted
hard-hit
hard-hitting
hard-hitting campaign
hard-iron
hard-laid
hard-learned
hard-line
hard-living
hard-looking
hard-luck guy
hard-minded
hard-mouthed
hard-natured
hard-nosed
hard-nosedness
hard-of-hearing
hard-of-hearing aid
hard-pan
hard-paste porcelain
hard-plucked
hard-pressed
hard-pushed
hard-ridden
hard-riding
hard-rock geology
hard-run
hard-set
hard-shell
hard-shell clam
hard-shell crab
hard-shelled
hard-skinned
hard-spirited
hard-spun
hard-surface
hard-surfaced
hard-swearing
hard-tack
hard-timbered
hard-trotting
hard-tube pulser
hard-upness
hard-uppishness
hard-used
hard-visaged
hard-wearing
hard-witted
hard-won
hard-wooded
hard-worked
hard-working
hard-wrought
hard-wrung
harden off
harden up
harden your heart
hardening of the arteries
hardhead sponge
hardly a chance
hardly any
hardly anything
hardly ever
hardly expect
hardly like
hardly possible
hardly the thing
hardly touch
hardly wait
hardness of hearing
hardness of heart
hardness scale
hardtop convertible
hardware cloth
hardware store
hardwood tree
hardy ageratum
hardy amaryllis
hare and hounds
hare family
hare's-ear
hare's-foot
hare's-foot clover
hare's-foot fern
hare-brain
hare-brained
hare-eyed
hare-finder
hare-lip
hare-mad
harebrained idea
harem girl
hari-kari
hariali grass
haricot vert
hark back
hark back to
hark ye
harken to
harlequin bug
harlequin ca
harlequin cabbage bug
harlequin duck
harlequin glasses
harlequin opal
harlequin snake
harlequin table
harmless teasing
harmonic analysis
harmonic close
harmonic conjugates
harmonic flute
harmonic interval
harmonic mean
harmonic minor
harmonic minor scale
harmonic motion
harmonic progression
harmonic proportion
harmonic series
harmonic tone
harmonious relationship
harmonize with
harmony of the spheres
harness bull
harness cask
harness eye
harness hitch
harness horse
harness leather
harness maker
harness making
harness plate
harness race
harness racer
harness racing
harness tub
harness up
harness-bearer
harness-cask
harnessed antelope
harp groat
harp guitar
harp on
harp seal
harp shell
harp shilling
harp upon
harp upon one string
harp upon the same string
harp-shaped
harping-iron
harpoon fork
harpoon gun
harpoon log
harpoon rocket
harpy bat
harpy eagle
harpy-bat
harpy-eagle
harpy-footed
harrier eagle
harrier hawk
harrow the ear
harry out
harry to destruction
harsh and shrill sounds
harsh sound
harsh-blustering
harsh-featured
harsh-grating
harsh-looking
harsh-mannered
harsh-sounding
harsh-syllabled
harsh-tongued
harsh-voiced
hart beest
hart clover
hart thorn
hart's tongue
hart's-tongue
harts-tongue
hartshorn bush
hartshorn plant
hartshorn plantain
harum-scarum
harum-scarumness
harvest bell
harvest bug
harvest dinner
harvest doll
harvest festival
harvest fish
harvest fly
harvest home
harvest lady
harvest lily
harvest lord
harvest louse
harvest mite
harvest month
harvest moon
harvest mother
harvest mouse
harvest queen
harvest spider
harvest supper
harvest tick
harvest time
harvest work
harvest worker
harvest yarn
harvest-bug
harvest-field
harvest-lice
harvester ant
harvester-thresher
harvesting ant
has-been
hash house
hash mark
hash over
hash up
hash-slinger
hashab tree
hashed up
hasp lock
hassock grass
hasta la vista
hasta luego
hasta manana
hastato-
hasten off
hasten on
hasty conviction
hasty pudding
hasty retreat
hat blocker
hat carder
hat check
hat cleaner
hat dance
hat dyer
hat homage
hat hook
hat in hand
hat leather
hat lining
hat maker
hat money
hat palm
hat piece
hat pin
hat plant
hat rack
hat roller
hat shop
hat stand
hat tree
hat trick
hat trimming
hat-in-hand
hat-money
hat-shag
hat-shaped
hatch a plot
hatch boat
hatch box
hatch coamings
hatch deck
hatch mast
hatch money
hatch tackle
hatch up
hatch-boat
hatchet cactus
hatchet door
hatchet face
hatchet job
hatchet man
hatchet planimeter
hatchet stake
hatchet vetch
hatchet-shaped
hatching spine
hatching station
hate sheet
hate yourself for your actions
hated thing
hatha-yoga
hatted kit
haughty airs
haul around
haul down
haul down your colors
haul down your flag
haul in with
haul into court
haul off
haul over the coals
haul round
haul the wind
haul to
haul up
haul your wind
haulage incline
hauling down
haunch bone
haunch-bone
haunt the memory
haunt your thoughts
haunted with fear
hausse-col
hait couture
haute monde
haut-gout
haut-pas
haut-relief
haut-ton
hautbois strawberry
haute cole
haute couture
haute cuisine
haute ecole
haute mal
hau-te vulgarisation
haute-feuillite
haute-piece
have a BM
have a baby
have a bad time
have a bad time of it
have a ball
have a bee in your bonnet
have a bellyful
have a bellyful of
have a bent for
have a bias
have a big bazoo
have a big mouth
have a big nose
have a blind side
have a blind spot
have a bone in your neck
have a bone in your throat
have a bone to pick
have a bone to pick with
have a bone to pick with someone
have a bowel movement
have a brush with
have a bump for
have a cake in the oven
have a canary
have a care
have a case
have a case on
have a cat fit
have a catch
have a certain sameness
have a certain state
have a chance
have a chance at
have a change of heart
have a charmed life
have a chill
have a chip on your shoulder
have a clean bill of health
have a clear conscience
have a comedown
have a conniption
have a conniption fit
have a cozy chat
have a crow to pick
have a crow to pick with
have a crow to pluck
have a crow to pluck with
have a crow to pull with
have a crush on
have a demon
have a devil
have a devil in one
have a devil in you
have a disaffinity for
have a dram
have a drink
have a drop too much
have a dry run
have a duck fit
have a faculty for
have a falling-out
have a fancy for
have a feeling
have a fine time of it
have a finger in
have a finger in the pie
have a flair for
have a fling at
have a fondness for
have a free hand
have a free mind
have a friendly chat
have a funny feeling
have a gargle
have a gift for
have a go
have a go at
have a gold mine
have a good appetite
have a good chance
have a good head for
have a good knowledge of
have a good mind to
have a good time
have a good time of it
have a good word for
have a great mind to
have a guzzle
have a hand in
have a handful of thumbs
have a hard time of it
have a head on your shoulders
have a healthy lead
have a heart
have a heart of stone
have a heart-to-heart talk
have a hemorrhage
have a high opinion of
have a hold over
have a hunch
have a jag on
have a job
have a joker
have a joker in the deck
have a kicker
have a lech for
have a leg to stand on
have a little learning
have a little talk
have a long nose
have a look at
have a looksee
have a lot to do with
have a lot to say about
have a mash on
have a memory like a sieve
have a mind like a sieve
have a mind of your own
have a mind to
have a mint
have a misery
have a mishap
have a monkey on your back
have a mortgage-burning party
have a mote in the eye
have a near miss
have a nerve
have a nervous breakdown
have a nest egg
have a nice trip
have a nip
have a part in
have a partiality
have a percentage of
have a picture of
have a piece of
have a premonition
have a presentiment
have a rehearsal
have a relapse
have a relish of
have a right to
have a rightful claim to
have a rightful claim upon
have a run
have a run of luck
have a screw loose
have a sensation
have a short attention span
have a short fuse
have a short memory
have a short memory span
have a shot at
have a show of hands
have a skinful
have a slight chance
have a small chance
have a snootful
have a soft place in your heart
have a soft spot in your heart
have a stake in
have a storm in a teacup
have a storm in a teapot
have a string attached
have a stroke of luck
have a strong effect
have a swelled head
have a talent for
have a talk with
have a tantrum
have a tapeworm
have a taste for
have a temper
have a temper tantrum
have a tempest in a teacup
have a tempest in a teapot
have a tendency
have a tender heart
have a test run
have a theory
have a thick skin
have a thing about
have a thorough knowledge of
have a tiger by the tail
have a title to
have a tongue in your head
have a turn for
have a very red face
have a voice in
have a way with one
have a way with you
have a weakness for
have a will of your own
have a willing heart
have a wolf in your stomach
have a word with
have a yellow streak
have a yen for
have about enough of
have accounts to settle
have all the earmarks of
have all the features of
have all the luck
have all the money in the world
have all the signs of
have all to yourself
have all you can stand
have all you can take
have all your eyes about one
have all your eyes about you
have all your marbles
have all your wits about one
have all your wits about you
have a look at
have an account with
have an ague
have an alias
have an anchor to windward
have an attraction
have an ax to grind
have an ear for
have an ear to the ground
have an edge
have an edge on
have an entree
have an eye for
have an eye to
have an idea
have an idea of
have an impression
have an in
have an in with
have an income of
have an inkling
have an intimation
have an opportunity
have an overdose of
have an understanding
have an upright carriage
have and hold
have another crack
have another go
have another shot
have another think coming
have another try
have ants in your pants
have as a fulcrum
have as a guest
have as a lodger
have as many phases as the moon
have as your master
have at
have at a disadvantage
have at heart
have at it
have at your command
have at your disposal
have at your disposition
have at your elbow
have at your fingers' ends
have at your fingers' tips
have at your pleasure
have bats in the belfry
have bats in your belfry
have been around
have been through the mill
have being
have better things to do
have birth
have blood in your eyes
have by heart
have by rote
have charisma
have chilblains
have childlike faith in
have clean hands
have clout
have cold feet
have coming
have coming in
have confidence
have confidence in
have connection with
have consideration for
have constantly in your thoughts
have control of
have conversations
have courage
have currency
have cut your eyeteeth
have cut your wisdom teeth
have dead to rights
have dealings with
have deep feelings
have designs on
have difficulty
have done
have done with
have doubts
have down cold
have down pat
have drag
have duck bumps
have eating out of your hand
have effect
have energy
have enough
have every appearance of
have every indication of
have every intention
have every intention of
have every sign of
have everything going your way
have everything to learn
have evidence
have exclusive possession of
have exclusive rights to
have eyes for
have eyes only for
have faith
have faith in
have favorable odds
have for your own
have for your very own
have foreboding
have free play
have free scope
have full play
have fun
have good prospects
have goose bumps
have goose pimples
have goosebumps
have gooseflesh
have got
have got to
have green in the eye
have had it
have had its day
have had your day
have half a mind to
have hallucinations
have high visibility
have hot pants for
have in
have in contemplation
have in hand
have in mind
have in prospect
have in reserve
have in sight
have in store
have in store for
have in view
have in your eye
have in your grasp
have in your grip
have in your head
have in your mind
have in your possession
have in your power
have independent means
have influence
have influence over
have information about
have intercourse
have it
have it all over
have it all your own way
have it all your way
have it bad
have it both ways at once
have it break good for one
have it coming
have it easy
have it in for
have it made
have it out
have it out of
have it reported
have it soft
have it taped
have it up to here
have its place
have its seat in
have its slot
have its time
have knowledge
have knowledge of
have leverage
have life
have little in common
have little recall
have little to say
have little weight
have lots of laughs
have magnetism
have many irons in the fire
have means
have mercy upon
have money
have money to burn
have more than you can hold
have much ado with
have need to
have nine lives like a cat
have no alternative
have no association with
have no attention span
have no bounds
have no business
have no chance
have no choice
have no claim upon
have no conception
have no desire for
have no diffidence
have no doubt
have no ears
have no end
have no expectation
have no false modesty
have no fight left
have no hand in
have no idea
have no kick coming
have no liking for
have no limit
have no limits
have no lower to go
have no measures with
have no misgivings
have no more
have no notion
have no objection
have no opportunity
have no option but
have no patience with
have no plan
have no qualms
have no recollection of
have no regrets
have no relish for
have no remembrance of
have no reservations
have no right to
have no scruple of
have no second thoughts
have no secrets
have no self-doubt
have no shame
have no taste for
have no term
have no thought of
have no time for
have no time to lose
have no time to spare
have no title to
have no truck with
have no turning
have no use for
have no words for
have not a hope
have not a prayer
have nothing but time
have nothing in common
have nothing on
have nothing to do
have nothing to do with
have occasion for
have on
have on the brain
have on the edge of your memory
have on the hip
have on the tip of the tongue
have on the tip of your tongue
have on your hands
have on your mind
have on your shoulders
have one foot in the grave
have one for the road
have one to know
have origin
have other fish to fry
have other things to do
have out
have patience and endure
have peace one with another
have permission
have personality
have pity
have place
have play
have plenty of time
have plenty on the ball
have power
have power over
have preference
have prestige
have priority
have proof
have pull
have qualms
have quite enough
have rather
have recourse to
have regard for
have repercussions
have reservations
have run its course
have run out
have savvy
have scruples
have second thoughts
have seen better days
have seen your best days
have seen your day
have sex
have sexual relations
have simple faith in
have smarts
have someone on
have something
have something laid by
have something on
have something on the ball
have something on the brain
have something to draw on
have sown your wild oats
have sternway on
have subject
have suction
have suffrage
have suspicions
have tenure
have tenure of
have tenure of appointment
have that or nothing
have the advantage of
have the appearance of
have the ascendancy
have the audacity
have the bar sinister
have the best of
have the chances against one
have the chances against you
have the cheek
have the cold creeps
have the cold shivers
have the conn
have the creeps
have the deed for
have the drop on
have the ear of
have the facts
have the fidgets
have the flavor of
have the floor
have the force of
have the friendship of
have the function of
have the gall
have the game in your hands
have the game in your own hands
have the gift of gab
have the golden touch
have the goodness
have the goods on
have the grace to
have the guts
have the hang of it
have the idea
have the impression
have the inside track
have the jitters
have the job of
have the jump on
have the knack
have the last laugh on
have the last word
have the latchstring out
have the law of
have the law on
have the look of
have the makings of
have the mastery of
have the mission of
have the nerve
have the odds against one
have the odds against you
have the opinion
have the power
have the prerequisites
have the qualifications
have the right
have the role of
have the run of
have the say
have the say-so
have the sense of
have the shakes
have the start
have the sway
have the top place
have the top spot
have the touch
have the upper hand
have the use of
have the wherewithal
have the whip hand
have the wind of
have the world at your feet
have the worst of it
have thoughts about
have tied to your apron strings
have time
have time enough
have time to spare
have title to
have to
have to answer for
have to do with
have to fall back upon
have to hand it to
have to run for it
have to your name
have too many irons in the fire
have too much
have too much of a good thing
have trouble
have truck with
have two minds
have two strings to your bow
have under control
have undertaken
have up
have up your sleeve
have way upon
have weight
have well in hand
have what it takes
have what you say go
have words
have words with
have you on the ropes
have young
have your back to the wall
have your blood on your head
have your blood up
have your cake and eat it too
have your credit good for
have your doubts
have your ear
have your eye on
have your fill
have your fling
have your hand in the till
have your hands full
have your hands in
have your hands tied
have your head screwed on right
have your heart bleed for
have your heart in your mouth
have your heart set against
have your heart set on
have your innings
have your measure
have your moments
have your monkey up
have your name in lights
have your nerve
have your nose out of joint
have your number
have your options eliminated
have your options reduced
have your own way
have your period
have your place in the sun
have your revenge
have your say
have your time
have your way
have your will
have your wits about you
have-been
have-not
have-nots
have-nots, the
have cap
haver-corn
haves, the
havey-cavey
havildar major
having a baby
having a block for a head
having a part
having a share
having a voice
having and holding
having cotton between the ears
having life
having title to
haw tree
haw-haw
hawai time
hawaiian guitar
hawe-bake
hawk bell
hawk call
hawk cuckoo
hawk eagle
hawk fly
hawk moth
hawk nose
hawk owl
hawk parrot
hawk swallow
hawk's nest model
hawk's-beard
hawk's-bell
hawk's-bill
hawk's-eye
hawk-beaked
hawk-billed
hawk-eyed
hawk-faced
hawk-headed
hawk-moth
hawk-nose
hawk-nosed
hawk-owl
hawk-tailed
hawking voice
hawksbill turtle
hawse bag
hawse bolster
hawse hook
hawse timber
hawse-fallen
hawse-full
hawser bend
hawser clamp
hawser fastening
hawser-laid
hawsing iron
hawthorn china
hawthorn pattern
hawthorn tingis
hawthorn wine
hay asthma
hay bacillus
hay baler
hay barrack
hay binder
hay conditioner
hay cutter
hay fern
hay fever
hay hook
hay jack
hay knife
hay loader
hay plant
hay press
hay rig
hay road
hay saffron
hay sweep
hay tedder
hay tit
hay wagon
hay worm
hay-asthma
hay-bird
hay-bote
hay-cock
hay-color
hay-colored
hay-de-guy
hay-fed
hay-fever
hay-field
hay-fork
hay-mow
hay-rack
hay-rake
hay-rick
hay-scented
hay-seed
hay-tallat
haystack thorn
hazard a conjecture
hazard of the die
hazard side
hazard warning device
hazel alder
hazel brown
hazel crottles
hazel grouse
hazel hen
hazel mouse
hazel oil
hazel pine
hazel tree
hazel worm
hazel-eyed
hazel-gray
hazel-grouse
hazel-hen
hazel-hooped
hazel-leaved
hazel-nut
hazel-wood
hazelnut oil
hazy idea
hazy recollection
he-all
he-balsam
he-broom
he-cabbage-tree
he-goat
he-he!
he-heather
he-holly
he-huckleberries
he-huckleberry
he-man
he-mannish
he-men
he-oak
head and front of your offending
head and head
head and shoulders
head arrangement
head away from
head betony
head blight
head block
head butt
head cold
head collar
head count
head covering
head deformation
head earing
head fast
head flume
head fold
head for
head for blue water
head for the bottom
head form
head gate
head harness
head house
head index
head into
head joint
head kidney
head knee
head lamp
head lettuce
head log
head louse
head maggot
head matter
head metal
head mistress
head mold
head molding
head money
head motion
head netting
head of hair
head of household
head of state
head of the river
head off
head office
head on
head over heels
head over heels in
head over heels in debt
head over heels in love
head pin
head register
head resistance
head sample
head scab
head sea
head shaping
head shrinker
head smut
head space
head spar
head spin
head start
head stool
head straight for
head strapper
head swell
head table
head tax
head the board
head the line
head the table
head to leeward
head to wind
head to windward
head tone
head toward
head tree
head up
head veil
head voice
head waiter
head water
head wind
head windward
head word
head yard
head-aching
head-and-tail light
head-and-tail-light fish
head-block
head-board
head-cloth
head-court
head-dress
head-flattening
head-foremost
head-gear
head-hanging
head-high
head-hunt
head-hunter
head-hunting
head-line
head-load
head-man
head-money
head-note
head-on
head-on attack
head-over-heels
head-pan
head-penny
head-piece
head-plate
head-race
head-rail
head-rope
head-sail
head-shaking
head-splitting
head-stall
head-tire
head-tossing
head-turned
head-voice
headache plant
headache powder
headache tree
headache wafer
headache weed
headed for
headed group
header bond
header tank
header-up
heading bond
heading course
heading joint
heading machine
heading stone
heading sword
heading tool
heading toward
heading-machine
headline attraction
headlong plunge
headlong rush
headmistress-ship
heads or tails
heads up
heads-up
headwater erosion
heal itself
heal over
heal the breach
heal-all
heal-bite
heal-dog
heald knitter
healing agent
healing art
healing arts
healing blade
healing by first intention
healing by second intention
healing herb
healing leaf
healing ointment
healing quality
healing virtue
health centre
health examination
health food
health food store
health foods
health hazard
health insurance
health officer
health physicist
health physics
health resort
health salts
health spa
health visitor
health-enhancing
health-preserving
healthy body
healthy constitution
healthy economy
healthy glow
healthy hue
healthy meal
healthy mind
healthy-minded
healthy-mindedly
healthy-mindedness
heap coals of fire on your head
heap dirt upon
heap leaching
heap roasting
heap up
heap upon
heaped-up
heaps of gold
hear a different drummer
hear confession
hear it for
hear nothing
hear of
hear out
hear say
hear shots fired in anger
hear tell of
hear to
hear ye
hearing aid
hearing impairment
hearing loss
hearing-aid battery
hearken to
hearsay evidence
hearsay rule
heart action
heart amulet
heart and soul
heart attack
heart back
heart block
heart bond
heart cam
heart cherry
heart clam
heart clot
heart clover
heart cockle
heart complaint
heart condition
heart cup
heart disease
heart failure
heart flower
heart line
heart liver
heart liverleaf
heart medic
heart murmur
heart of gold
heart of grace
heart of hearts
heart of oak
heart of stone
heart out
heart pine
heart point
heart rot
heart sac
heart shell
heart shock
heart snakeroot
heart starter
heart stimulant
heart strain
heart surgery
heart tamponade
heart transplant
heart trefoil
heart trouble
heart urchin
heart wall
heart yarn
heart's blood
heart's core
heart's desire
heart's-ease
heart-ache
heart-affecting
heart-angry
heart-back
heart-blood
heart-bond
heart-bound
heart-break
heart-bred
heart-broken
heart-burdened
heart-burning
heart-cheering
heart-chilled
heart-chilling
heart-corroding
heart-deadened
heart-dulling
heart-eating
heart-expanding
heart-fallen
heart-fashioned
heart-felt
heart-flowered
heart-flowered orchid
heart-free
heart-freezing
heart-fretting
heart-gnawing
heart-gripping
heart-happy
heart-hardened
heart-hardening
heart-heaviness
heart-heavy
heart-hungry
heart-ill
heart-leaved
heart-leaved aster
heart-leaved willow
heart-lung machine
heart-melting
heart-moving
heart-piercing
heart-purifying
heart-quake
heart-ravishing
heart-rendering
heart-rendingly
heart-robbing
heart-searching
heart-shaking
heart-shaped
heart-shed
heart-sick
heart-sore
heart-sorrowing
heart-spoon
heart-stirring
heart-stricken
heart-strickenly
heart-strike
heart-strings
heart-struck
heart-swelling
heart-swollen
heart-tearing
heart-thrilling
heart-throb
heart-throbbing
heart-tickling
heart-to-heart
heart-to-heart talk
heart-warm
heart-warming
heart-weariness
heart-weary
heart-whole
heart-wholeness
heart-wise
heart-wood
heart-wounded
heart-wounding
heart-wrangling
heart-wrung
heartfelt apology
heat of solidification
heat of sublimation
heat of vaporization
heat potential
heat prostration
heat pump
heat rash
heat ray
heat regulator
heat reservoir
heat rigor
heat science
heat seeker
heat shield
heat sink
heat spectrum
heat spot
heat sum
heat the economy
heat therapy
heat treating
heat treatment
heat unit
heat up
heat up the economy
heat wave
heat weight
heat-absorbing
heat-conducting
heat-cracked
heat-drop
heat-engine cycle
heat-forming
heat-full fire
heat-giving
heat-island
heat-killed
heat-laden
heat-loving
heat-oppressed
heat-power engineer
heat-power engineering
heat-producing
heat-radiating
heat-reducing
heat-regulating
heat-resistant
heat-resisting
heaven-assailing
heaven-begot
heaven-bent
heaven-born
heaven-bred
heaven-built
heaven-clear
heaven-controlled
heaven-daring
heaven-dear
heaven-defying
heaven-descended
heaven-devoted
heaven-directed
heaven-erected
heaven-fallen
heaven-forsaken
heaven-gate
heaven-gifted
heaven-given
heaven-guided
heaven-high
heaven-inspired
heaven-instructed
heaven-kissing
heaven-lighted
heaven-lit
heaven-made
heaven-prompted
heaven-protected
heaven-reaching
heaven-rending
heaven-sent
heaven-sprung
heaven-sweet
heaven-taught
heaven-threatening
heaven-touched
heaven-warring
heaven-wide
heavenly bamboo
heavenly being
heavenly body
heavenly fruit
heavenly hierarchy
heavenly host
heavenly kingdom
heavenly-minded
heavenly-mindedness
heavens and earth
heavenward tree
heaver-off
heaver-out
heaver-over
heavier-than-air
heavier-than-air craft
heaviness of heart
heaving aloft
heaving pile
heaving up
heaving-line bend
heaviside layer
heavy artillery
heavy as lead
heavy blow
heavy bomber
heavy chemicals
heavy cream
heavy cruiser
heavy demand
heavy dew
heavy dragoon
heavy drinker
heavy drinking
heavy earth
heavy eyelids
heavy field artillery
heavy force fit
heavy hand
heavy harmony
heavy heart
heavy hydrogen
heavy lead
heavy meal
heavy metal
heavy mineral oil
heavy nitrogen
heavy object
heavy oil
heavy on
heavy oxygen
heavy particle
heavy particle counter
heavy pine
heavy platinum group
heavy purse
heavy rain
heavy right foot
heavy sea
heavy sin
heavy sky
heavy sledding
heavy sleep
heavy smoker
heavy solution
heavy spar
heavy swell
heavy thinking
heavy transport
heavy water
heavy weather
heavy wet
heavy wine
heavy with child
heavy with meaning
heavy with significance
heavy with sleep
heavy with young
heavy-armed
heavy-bearded
heavy-blossomed
heavy-bodied
heavy-boned
heavy-booted
heavy-boughed
heavy-drinking
heavy-duty
heavy-eared
heavy-eyed
heavy-faced
heavy-featured
heavy-fisted
heavy-fleeced
heavy-footed
heavy-footedness
heavy-fruited
heavy-gaited
heavy-handed
heavy-handedly
heavy-handedness
heavy-head
heavy-headed
heavy-hearted
heavy-heartedly
heavy-heartedness
heavy-heeled
heavy-jawed
heavy-laden
heavy-leaved
heavy-lidded
heavy-limbed
heavy-lipped
heavy-looking
heavy-mettled
heavy-mouthed
heavy-paced
heavy-scented
heavy-seeming
heavy-set
heavy-shotted
heavy-shouldered
heavy-shuttered
heavy-smelling
heavy-soled
heavy-tailed
heavy-timbered
heavy-weight
heavy-winged
heavy-witted
heavy-wooded
heb-sed
hebe-
hebephrenic schizophrenia
heck-how
hect-
hectic fever
hectic flush
hecto-
hecto-ampere
hectograph copy
heddle brusher
heddle knitter
hedge about
hedge accentor
hedge apple
hedge bedstraw
hedge bells
hedge bird
hedge cactus
hedge carpenter
hedge chanter
hedge crocus
hedge fumitory
hedge garlic
hedge grape
hedge hyssop
hedge in
hedge laurel
hedge layer
hedge marriage
hedge priest
hedge rose
hedge sparrow
hedge stake
hedge trimmer
hedge your bets
hedge-bird
hedge-bound
hedge-creeper
hedge-hyssop
hedge-pig
hedge-priest
hedge-school
hedge-sparrow
hedged about
hedged about by
hedged by
hedged in
hedged-in
hedgehog aloe
hedgehog cactus
hedgehog caterpillar
hedgehog coneflower
hedgehog gourd
hedgehog grass
hedgehog transformer
hedging your bets
hedging-in
hedonic calculus
hedonistic calculus
hee-haw
hee-hee
hee-hee!
heebie jeebies
heebie-jeebies
heedless hap
heel bar
heel block
heel blocker
heel bone
heel breast
heel builder
heel chain
heel clamp
heel cutter
heel fly
heel in
heel jigger
heel nailer
heel of Achilles
heel pad
heel padder
heel ring
heel rope
heel seat
heel seater
heel splitter
heel spur
heel stay
heel tapper
heel tool
heel trimmer
heel wedge
heel-and-toe
heel-and-toe dancer
heel-attaching
heel-ball
heel-bone
heel-breast
heel-breaster
heel-fast
heel-piece
heel-plate
heel-post
heel-roe
heel-tap
heel-way
heeling tank
heels over head
hefty eater
heh deity
heidelberg man
heigh ho
heigh-ho
height block
height board
height district
height finder
height gauge
height measure
height measurement
height of fashion
height of land
height pressure
height to paper
height to surface
height-to-paper
heir apparency
heir apparent
heir at law
heir by destination
heir expectant
heir general
heir in tail
heir of entail
heir of inventory
heir of line
heir of provision
heir of the body
heir portioner
heir presumptive
heir whatsoever
heir-at-law
heiress-ship
heirs apparent
heirs at law
heirs presumptive
held back
held dear
held in awe
held in consideration
held in esteem
held in favor
held in pledge
held in regard
held in reserve
held in respect
held in trust
held out
held up
helen of troy
heli-
heliacal rising
helianthine B
helic-
helical gear
hell-gate
hell-hard
hell-hatched
hell-haunted
hell-hound
hell-like
hell-raiser
hell-raker
hell-red
hell-vine
hellebore green
hellebore red
hellish host
hello girl
hello there
helm alee
helm aport
helm astraboard
helm aweather
helm port
helm wind
helm-wind
helmet liner
helmet of hair
helmet quail
helmet shell
helmet-crest
helmet-shaped
helmet-wearing
helmeted guinea fowl
helminth-
help a lame dog over a stile
help along
help bear your grief
help decide
help in time of need
help on its way
help out
help to
help up
help yourself to
helped by
helping along
helping hand
helter-skelter
helter-skelteriness
helve hammer
hem and haw
hem in
hem-
hem-stitch
hema-
hemat-
hematin crystals
hematin paste
hematite red
hemato-
hematocrit value
hematogenic shock
hemi-
hemi-elytrum
hemi-type
hemispherico-conical
hemispherico-conoid
hemlock fir
hemlock parsley
hemlock pitch
hemlock spruce
hemlock-leaved
hemmed in
hemmed-in
hemming-in
hemo-
hemolymph gland
hemolytic anemia
hemophilia A
hemophilia B
hemophilia C
hemophilic arthritis
hemorrhagic measles
hemorrhagic plague
hemorrhagic septicemia
hemp agrimony
hemp nettle
hemp oil
hemp palm
hemp tree
hemp-agrimony
hemp-nettle
hempen bridle
hempen collar
hempen necktie
hempen tippet
hempseed oil
hen and chickens
hen clam
hen coop
hen curlew
hen flea
hen frigate
hen gorse
hen harrier
hen hawk
hen louse
hen mold
hen party
hen pepper
hen plant
hen run
hen scratches
hen track
hen tracks
hen turkey
hen's-foot
hen-and-chickens
hen-coop
hen-driver
hen-egg
hen-fat
hen-feathered
hen-feathering
hen-harrier
hen-hawk
hen-hearted
hen-house
hen-peck
hen-pecked
hen-roost
hen-tailed
hench-boy
hendeca-
hens-and-chickens
hep to
hepar calcis
hepat-
épato-
épato-pancreas
hepped up
hepped up over
hepta-
éptadecanoic acid
her infinite variety
her native ornament of hair
herabol myrrh
herald abroad
herald angel
herald's college
herald's trick
herald's trumpet
heraldic device
heraldic heiress
heraldic insignia
heraldic knot
heraldic official
heraldic officials
heralds' college
herb Christopher
herb Gerard
herb Paris
herb Robert
herb bennet
herb doctor
herb john
herb of grace
herb paris
herb patience
herb robert
herb-grace
herb-woman
herbaceous border
herbs Paris
herbs Robert
herbs patience
hercules beetle
hercules' club
hercules'-club
herd instinct
herd together
herd's grass
herd's-grass
herd-book
herd-boy
herd-grass
herd-groom
here and now
here and there
here and there in
here and there on
here below
here lies
here today and gone tomorrow
here's good luck
here's how
here's looking at you
here's mud in your eye
here's to absent friends
here's to you
here-hence
hereafter, the
hereditary character
hereditary disease
heriot service
herky-jerky
hermaphrodite brig
hermaphrodite caliper
hermaphrodite duct
hermaphrodite schooner
hermes trismegistus
hermetically sealed
hermit crab
hermit crow
hermit order
hermit thrush
hermit warbler
hermo-
hermosa pink
hernio-
hero sandwich
hero worship
hero-shiped
hero-shiping
hero-shipped
hero-shipping
hero-worship
hero-worshiper
hero-worshiping
heroi-comic
heroic act
heroic age
heroic couplet
heroic deed
heroic legend
heroic myth
heroic poetry
heroic stanza
heroic tenor
heroic verse
heron's-bill
herpes facialis
herpes labialis
herpes simplex
herpes zoster
herpes
herring buss
herring gull
herring hog
herring king
herring oil
herring pond
herring salad
herring work
herring-bone
herring-kale
herring-pond
herring-shaped
herringbone bond
herringbone bridging
herringbone gear
herringbone stitch
herringbone strutting
hertzian wave
hesitant approach
hesitate over
hesitation waltz
hesper-
hesperid-
hessian boot
hessian fly
het up
heter-
hetero-
heterogeneous reactor
heterogeneous system
heterogenous vaccine
heterolytic fission
heterotrophic organism
hew down
hew-hole
hex doctor
hex mark
hex sign
hex-
hexa-
hexacosanoic acid
hexadecanoic acid
hexadecimal notation
hexadecimal system
hexaethyl tetraphosphate
hexagon-drill
hexakis-
hexanedioic acid
hexanoic acid
hexoic acid
hexose sugar
hexyl group
hexyl radical
hey rube
hey-day
hey-day guise
hey-ho
heyday of the blood
heyday of youth
hi ya
hi-fi
hi-fi fan
hiatal hernia
hiatus hernia
hiatus of learning
hiberno-
hic et nunc
hic et ubique
hic jacet
hic-cough
hiccius doccius
hiccup-nut
hick joint
hick town
hick-joint pointing
hickory acacia
hickory aphid
hickory borer
hickory cloth
hickory elm
hickory girdler
hickory moth
hickory nut
hickory oak
hickory oil
hickory phylloxera
hickory pine
hickory poplar
hickory shad
hickory shirt
hickory stripe
hickory twig girdler
hickory wattle
hidden danger
hidden hand
hidden meaning
hidden out
hidden-fruited
hidden-veined
hide away
hide beetle
hide nor hair
hide or hair
hide out
hide rope
hide splitter
hide under
hide your face
hide your hand
hide your head
hide your head in the sand
hide your light under a bushel
hide your trail
hide yourself
hide-and-go-seek
hide-and-seek
hide-out
hidebound disease
hidey hole
hidey-hole
hiding place
hiding power
hidro-
hidy-hole
hie on
hie to
hie yourself to
hielaman tree
hier-
hiera picra
hieratic symbol
hiero-
hig taper
higgledy-piggledy
high aim
high altar
high analysis
high and dry
high and low
high and mighty
high as a kite
high as a steeple
high bar
high beam
high birth
high blood pressure
high blower
high brass
high bunt
high by-pass ratio engine
high camp
high celebration
high chair
high chief
high church
high collar
high color
high comedy
high command
high commissioner
high cost
high court
high cranberry
high day
high descent
high diver
high diving
high dudgeon
high energy physics
high explosive
high fashion
high feather
high fidelity
high finance
high flavor
high fog
high frequency
high fulham
high german
high glee
high goal
high grade
high growth rate
high hand
high hat
high heaven
high holiday
high hopes
high horse
high hurdles
high ideals
high income
high iron
high jinks
high jump
high jumper
high king
high life
high light
high liver
high living
high lope
high mass
high mightiness
high milling
high muck-a-muck
high noon
high old time
high on the hog
high order
high pitch
high place
high places
high point
high polymer
high pressure
high price
high price tag
high prices
high priest
high priesthood
high principles
high proof
high purpose
high rank
high regard
high relief
high renaissance
high repute
high road
high rod
high roller
high school
high schooler
high sea
high seas
high season
high seat
high sign
high society
high specific activity
high spirits
high spot
high standard of living
high steel
high street
high summer
high table
high tax bracket
high tea
high tech
high tide
high time
high treason
high up
high value
high visibility
high voice
high water
high wind
high wine
high wines
high wire
high wire artist
high words
high yellow
high-aimed
high-aiming
high-altitude bombing
high-altitude flying
high-altitude research aircraft
high-altitude research rocket
high-altitude rocket
high-and-mightiness
high-and-mighty
high-angle fire
high-angle gun
high-angled
high-arched
high-aspiring
high-backed
high-binder
high-blazing
high-blessed
high-blooded
high-blower
high-blown
high-bodiced
high-boiling
high-boned
high-born
high-breasted
high-bred
high-brow
high-browed
high-browish
high-browishly
high-browism
high-built
high-button shoes
high-caliber
high-calorie diet
high-camp
high-case
high-caste
high-ceiled
high-ceilinged
high-churchman
high-class
high-climber
high-climbing
high-collared
high-colored
high-coloured
high-complexioned
high-compression
high-count
high-crested
high-crowned
high-cut
high-density
high-duty
high-elbowed
high-embowed
high-energy particle
high-explosive
high-explosive charge
high-explosive shell
high-falutin
high-faluting
high-fated
high-feathered
high-fed
high-fidelity
high-fidelity speaker
high-fidelity system
high-flavored
high-flier
high-flowing
high-flown
high-flown diction
high-flushed
high-flyer
high-flying
high-flying tippler
high-foreheaded
high-frequency
high-frequency amplification
high-frequency cable
high-frequency current
high-frequency direction finder
high-frequency heater
high-frequency pulse
high-frequency speaker
high-frequency telephony
high-frequency treatment
high-frequency wave
high-gazing
high-gereaded
high-grade
high-grade bond
high-grade ore
high-grade stock
high-grown
high-handed
high-handedly
high-handedness
high-hat
high-hat cymbals
high-hatted
high-hattedness
high-hatter
high-hattiness
high-hatting
high-hatty
high-headed
high-heaped
high-heated
high-heeled
high-hoe
high-holder
high-hole
high-horned
high-hung
high-intensity lamp
high-judging
high-key
high-keyed
high-level
high-level language
high-level talk
high-lineaged
high-lived
high-living
high-lone
high-low
high-low-jack
high-lows
high-lying
high-mettled
high-minded
high-mindedly
high-mindedness
high-motived
high-mounted
high-mounting
high-mu tube
high-muck-a
high-muck-a-muck
high-muckety-muck
high-necked
high-nosed
high-notioned
high-octane
high-octane gas
high-pass
high-pass filter
high-peaked
high-pitch
high-pitched
high-placed
high-pointing
high-pooped
high-potency
high-potential
high-power
high-powered
high-pressure
high-pressure area
high-pressure cylinder
high-pressure methods
high-pressure salesmanship
high-pressured
high-pressuring
high-priced
high-principled
high-priority
high-prized
high-proof
high-protein diet
high-quality
high-raised
high-ranking
high-reaching
high-reared
high-resolved
high-rigger
high-rise
high-rise apartment building
high-riser
high-roofed
high-runner
high-school
high-sea
high-seasoned
high-seated
high-set
high-shoe
high-shouldered
high-sided
high-sighted
high-soaring
high-society
high-soled
high-souled
high-sounding
high-sounding words
high-speed
high-speed data handling
high-speed digit computer
high-speed embosser
high-speed memory
high-speed steel
high-speed turn
high-spirited
high-spiritedly
high-spiritedness
high-stepper
high-stepping
high-stomached
high-strung
high-sulphur
high-swelling
high-swollen
high-swung
high-tail
high-tasted
high-temperature cement
high-tempered
high-tension
high-test
high-thoughted
high-throned
high-thundering
high-tide
high-tone
high-toned
high-topped
high-topped shoes
high-tory
high-towered
high-tuned
high-up
high-ups
high-vacuum phototube
high-vaulted
high-velocity
high-vitamin diet
high-voltage
high-voltage probe
high-waisted
high-walled
high-warp
high-water
high-water mark
high-water pants
high-water shrub
high-wing monoplane
high-wire artist
high-wrought
highball glass
highbush blueberry
highbush huckleberry
higher algebra
higher apsis
higher arithmetic
higher criticism
higher echelons
higher education
higher fungus
higher mathematics
higher-up
higher-ups
highest category
highest common factor
highest degree
highest pitch
highest point
highest type
highest-ranking
highfalutin ways
highfaluting ways
highland cranberry
highland cudweed
highland fling
highlight halftone
highly colored imagination
highly considered
highly emotional
highly esteemed
highly regarded
highly reputed
highly respectable
highly satisfied
highly strung
highly touted
highly-wrought
highs sounding
hightail it
highly-tighty
highwall tent
highway engineer
highway engineering
highway marker
highway patrol
highway robber
highway robbery
highway trailer
highways and byways
hike out
hike up
hiking trail
hilaro-tragedy
hill clematis
hill climb
hill climber
hill country
hill folk
hill fox
hill grub
hill heaped upon hill
hill myna
hill oat
hill of beans
hill palm
hill partridge
hill planter
hill station
hill tit
hill-altar
hill-dwelling
hill-fort
hill-girdled
hill-girt
hill-man
hill-side
hill-surrounded
hill-top
hillbilly music
hillock tree
hillside plow
hilly-billy
hinc illae lacrimae
hind end
hind kidney
hind leg
hind legs
hind part
hind shank
hind wing
hind-calf
hind-foremost
hind-gut
hind-head
hind-sight
hinder part
hinge fault
hinge joint
hinge line
hinge on
hinge plate
hinge strap
hinge tooth
hinge upon
hinge-pole
hinged joint
hinging on
hinging post
hinoki cypress
hint at
hip and thigh
hip bath
hip boot
hip boots
hip brier
hip disease
hip flask
hip girdle
hip joint
hip knob
hip lock
hip molding
hip pocket
hip rafter
hip roll
hip roof
hip rose
hip straps
hip tile
hip vertical
hip-and-valley roof
hip-bone
hip-girdle
hip-gout
hip-huggers
hip-joint
hip-roof
hip-roofed
hip-shot
hipo-
hip-
hipped on
hipped roof
hippety-hop
hippety-hoppety
hippo-
hippocampal convolution
hippocampal gyrus
hippocras bag
hippocratic oath
hirdie-girdie
hirdum-dirdum
hire on
hire out
hire purchase
hire purchase plan
hire-purchase
hire-purchase system
hired applauder
hired car
hired girl
hired gun
hired hand
hired help
hired killer
hired limousine
hired man
hiri Motu
hiring hall
hirse grass
hirsuto-rufous
his heels
his honor
his lordship
his nibs
his phoenix down
his self
his worship
hispano-
hissing sounds
hist-
histamine shock
histo-
historic episcopate
historical documents
historical error
historical geology
historical linguistics
historical materialism
historical materialist
historical method
historical novel
historical painter
historical painting
historical present
historical present tense
historical records
historical school
historical truth
historico-
historico-ethical
history is bunk
history is merely gossip
history of ideas
history of printing
histrionic art
hit a clinker
hit a clip
hit a nerve
hit a slump
hit a sour note
hit a streak of luck
hit against
hit and miss
hit and run
hit at
hit back at
hit batsman
hit below the belt
hit bottom
hit for
hit home
hit it
hit it big
hit it off
hit it off with
hit it on the nose
hit like lightning
hit man
hit off
hit off on
hit on
hit one for
hit or miss
hit out
hit pay dirt
hit rock bottom
hit show
hit the ball
hit the booze
hit the bottle
hit the brake pedal
hit the campaign trail
hit the ceiling
hit the deck
hit the eye
hit the hay
hit the high spots
hit the jackpot
hit the mark
hit the nail on the head
hit the road
hit the sack
hit the sauce
hit the silk
hit the skids
hit the spot
hit the trail
hit town
hit tune
hit up
hit upon
hit upon a solution
hit you in the eye
hit you where you live
hit-and-miss
hit-and-miss window
hit-and-run
hit-and-run attack
hit-and-run driver
hit-in
hit-off
hit-or-miss
hit-or-missness
hit-run
hit-skip
hitch a ride
hitch angle
hitch kick
hitch on
hitch pin
hitch rides
hitch up
hitch your wagon to a star
hitch-hiker
hitching post
hitching your wagon to a star
hither and thither
hither and yon
hitting the booze
hitting the bottle
hitting the sauce
hitting-up
hitty-missy
hive bee
hive body
hive dross
hive of industry
hive off
hive sirup
hive vine
ho, hum
ho-bird
ho-ho
ho-hum
hoar-frost
hoar-frosted
hoar-stone
hoard up
hoary age
hoary cress
hoary eld
hoary hair
hoary-eyed
hoary-feathered
hoary-haired
hoary-headed
hoary-headed joke
hoary-leaved
hoary-white
hob ferret
hob tap
hob-and-nob
hob-nob
hob-thrush
hobble skirt
hobble-bush
hobbling pilot
hobby shop
hobby-horse
hobnail glass
hobnailed shoes
hobnob with
hobo camp
hobo jungle
hobson’s choice
hobson-jobson
hoc anno
hoc est
hock a tchainik
hock cockle
hock leg
hock shop
hock-cart
hock-day
hockey cart
hockey gloves
hockey skate
hockey skates
hockey stick
hocking ale
hocus-pocus
hocus-pocused
hocus-pocusing
hocus-pocussed
hocus-pocussing
hod carrier
hoddy-doddy
hodge-podge
hodge-pudding
hodgkin's disease
hoe culture
hoe drill
hoe in
hoe into
hoe-cake
hoe-plough
hog ape
hog apple
hog badger
hog brake
hog call
hog caterpillar
hog chain
hog cholera
hog deer
hog flu
hog for, a
hog frame
hog gum
hog hair
hog hook
hog in armour
hog jowl
hog lard
hog louse
hog mane
hog millet
hog money
hog peanut
hog piece
hog plum
hog pox
hog score
hog sheer
hog stave
hog sucker
hog truss
hog turn
hog wallow
hog wire
hog's back
hog's bean
hog's fennel
hog's pudding
hog's-back
hog- wash
hog-backed
hog-brace
hog-cote
hog-deer
hog-faced
hog-fat
hog-fish
hog-frame
hog-louse
hog-maned
hog-mouthed
hog-necked
hog-nose
hog-nose snake
hog-nosed
hog-nut
hog-plum
hog-raising
hog-reeve
hog-score
hog-skin
hog-tie
hog-tied
hog-tight
hog-trough
hog-wash
hog-wild
hogen mogen
hogger pump
hogging-frame
hognose snake
hognosed skunk
hohl-flute
hoi polloi
hoisin sauce
hoist a banner
hoist by
hoist by your own petard
hoist loader
hoist sail
hoist the blue Peter
hoist the white flag
hoist with
hoist-
hoisting gaff
hoisting machine
hoisting yard
hoity-toitiness
hoity-toity
hoity-toityism
hoity-toityness
hoke act
hoke comic
hoke up
hoker moker
hokey cokey
hokey-pokey
hokum act
hokum comic
hol-
hold a brief for
hold a candle to
hold a card
hold a close wind
hold a conversation
hold a course
hold a funeral
hold a heading
hold a high opinion of
hold a loose rein
hold a low opinion of
hold a meeting
hold a middle course
hold a post
hold a press conference
hold a seance
hold a session
hold a sitting
hold a tight hand upon
hold aces
hold against
hold aloof
hold aloof from
hold an idea
hold as
hold at bay
hold at your beck and call
hold away from
hold back
hold beam
hold beneath contempt
hold beneath one
hold by
hold captive
hold cheap
hold communication
hold conference
hold control
hold court
hold dear
hold down
hold down a job
hold everything
hold fast
hold for
hold for ransom
hold forth
hold forth without interruption
hold good
hold hands
hold in
hold in abomination
hold in bondage
hold in captivity
hold in check
hold in consideration
hold in contempt
hold in custody
hold in derision
hold in esteem
hold in fee simple
hold in hand
hold in leading strings
hold in leash
hold in low esteem
hold in mind
hold in restraint
hold in reverence
hold in solution
hold in subjection
hold in swaddling clothes
hold in the thoughts
hold in thrall
hold in view
hold it
hold it against
hold jubilee
hold membership
hold no brief for
hold off
hold office
hold on
hold on a course
hold on like a bulldog
hold on the course
hold on to
hold opposite views
hold out
hold out a helping hand
hold out against
hold out an expectation
hold out hope
hold out on
hold out promise
hold out the hand
hold out the olive branch
hold out the right of fellowship
hold out the right of friendship
hold over
hold over your head
hold prisoner
hold spellbound
hold steady
hold steady for
hold the attention
hold the bag
hold the belief
hold the course
hold the field
hold the fort
hold the helm
hold the interest
hold the line
hold the market
hold the memory of
hold the mirror up to nature
hold the phone
hold the prerogative
hold the promptbook
hold the proxy of
hold the purse strings
hold the reins
hold the ring of truth
hold the sack
hold the scales
hold the stage
hold the thought
hold the wire
hold tight
hold to
hold together
hold true
hold under close arrest
hold under house arrest
hold up
hold up in the wash
hold up the hand
hold up the mirror to
hold up to public ridicule
hold up to public scorn
hold up to public shame
hold up to reprobation
hold up to shame
hold up to view
hold up your hand
hold up your head
hold water
hold with
hold yard
hold your breath
hold your course
hold your end up
hold your eye
hold your gaze
hold your ground
hold your hand
hold your head above water
hold your head high
hold your horses
hold your jaw
hold your lip
hold your nose in the air
hold your own
hold your path
hold your peace
hold your sides
hold your tongue
hold your way
hold yourself aloof
hold yourself apart
hold yourself erect
hold yourself in readiness
hold yourself stiff
hold yourself straight
hold-all
hold-back
hold-clear
hold-down
hold-off
hold-up
hold-up bill
holder of the legal estate
holder-forth
holder-on
holder-up
holding back
holding company
holding furnace
holding ground
holding in
holding in remembrance
holding paddock
holding pattern
holding together
holding-out partner
holdup job
holdup man
hole card
hole in one
hole in the heart
hole in the wall
hole out
hole to creep out of
hole up
hole-and-comer
hole-and-corner
hole-high
hole-in-corner
holes in
holey dollar
holiday camp
holiday-maker
holiday-making
holier than the Pope
holier-than-thou
holistic approach
holistic medicine
hollandaise sauce
holler out
hollo after
hollow back
hollow heart
hollow horn
hollow hunger
hollow man
hollow mockery
hollow newel
hollow organ
hollow out
hollow pretense
hollow sea
hollow shell
hollow threat
hollow truce
hollow ware
hollow-back
hollow-backed
hollow-billed
hollow-cheeked
hollow-chested
hollow-eyed
hollow-footed
hollow-forged
hollow-forging
hollow-fronted
hollow-ground
hollow-hearted
hollow-horned
hollow-jawed
hollow-pointed
hollow-root
hollow-toned
hollow-toothed
hollow-vaulted
hollow-voiced
hollow-ware
holly fern
holly green
holly oak
holly-green
holly-leaved
hollyhock anthracnose
hollyhock fungus
hollyhock rust
hollywood bed
holm cock
holm oak
holm thrush
holm tree
holm-oak
holm-tree
holo-
holocrine gland
holographic will
holstein-friesian
holster pipe
holus-bolus
holy Christ
holy Christmas
holy Moses
holy bread
holy cats
holy city
holy clover
holy communion
holy cow
holy cross
holy day
holy day of obligation
holy days
holy dollar
holy father
holy fire
holy ghost
holy grail
holy grass
holy hour
holy innocents’ day
holy joe
holy land
holy mackerel
holy man
holy matrimony
holy mess
holy of holies
holy office
holy oil
holy order
holy orders
holy place
holy rite
holy roller
holy roman empire
holy rood
holy saturday
holy see
holy shit
holy smoke
holy spirit
holy stone
holy synod
holy table
holy terror
holy thistle
holy thursday
holy tide
holy war
holy water
holy water sprinkle
holy water sprinkler
holy wedlock
holy week
holy well
holy writ
holy year
holy-day
holy-minded
holy-mindedness
holy-water basin
holy-water font
holy-water sprinkler
holy-water stoup
hom-
hom- 
home address
home appliance
home base
home brew
home builder
home circle
home defense army
home dweller
home economics
home economist
home free
home fried potatoes
home fries
home front
home furnishings
home guard
home in on
home is where you start
home life
home mission
home missionary
home office
home on
home permanent
home place
home plate
home range
home reserve
home reserves
home roof
home room
home rule
home ruler
home run
home sheltered
home signal
home station
home stretch
home study
home sweet home
home teacher
home thrust
home tie
home town
home towner
home truth
home-
home-abiding
home-along
home-baked
home-born
home-bred
home-brew
home-brewed
home-bringing
home-building
home-built
home-come
home-coming
home-driven
home-dwelling
home-faring
home-fed
home-felt
home-going
home-growing
home-grown
home-keeping
home-killed
home-loving
home-made
home-owning
home-raised
home-reared
home-sailing
home-sent
home-sick
home-sickness
home-staying
home-thrust
home-woven
homeless waif
homely as a mud fence
homely enough to sour milk
homely enough to stop a clock
homeo-
homeopathic dose
homeopathic magic
homestead law
homeward bound
homeward-bound
homeward-bounder
homicidal maniac
homing device
homing guidance
homing pigeon
homing rocket
homing torpedo
hominy grits
homme de cour
homme moyen sensuel
homo faber
homo sapiens
homo signorum
homo-
homo-hetero-analysis
homo-organ
homoeo-
homogeneous coordinates
homogeneous reactor
homogenized milk
homogentisic acid
homi-
homoio-
homologous chromosomes
homologous vaccine
homolographic projection
homolosine projection
homolytic fission
homonymous construction
homosexual marriage
homosexual neurosis
homothetic transformation
hone for
honest as the day is long
honest injun
honest man
honest person
honest sweat
honest woman
honest-to-God
honey ant
honey badger
honey bag
honey ball
honey balm
honey bear
honey beige
honey bell
honey bird
honey blond
honey bottle
honey bread
honey bunch
honey buzzard
honey cake
honey cherry
honey child
honey clover
honey creeper
honey crisp
honey eater
honey extractor
honey fly
honey fungus
honey garlic
honey gilding
honey gland
honey grass
honey guide
honey jack
honey kite
honey locust
honey lotus
honey maker
honey making
honey mesquite
honey moth
honey mouse
honey mushroom
honey palm
honey plant
honey ratel
honey sac
honey stomach
honey tree
honey tube
honey up
honey vine
honey weasel
honey whip
honey yellow
honey-bear
honey-bearing
honey-bee
honey-bird
honey-blond
honey-bloom
honey-buzzard
honey-color
honey-colored
honey-dew
honey-drop
honey-dropping
honey-eater
honey-eating
honey-flower
honey-flowing
honey-gathering
honey-guide
honey-heavy
honey-laden
honey-loaded
honey-month
honey-mouthed
honey-pot
honey-secretting
honey-stalks
honey-steeped
honey-stone
honey-stored
honey-storing
honey-sweet
honey-tasting
honey-tongued
honey-voiced
honey-yielding
honeycomb coral
honeycomb isinglass
honeycomb moth
honeycomb radiator
honeycomb ringworm
honeycomb sponge
honeycomb stitch
honeycomb stomach
honeycomb tripe
honeycomb work
honeydew melon
honeyed phrases
honeyed tongue
honeyed words
honeymoon bridge
honesuckle apple
honesuckle clover
honesuckle family
honesuckle grass
honesuckle ornament
honesuckle tree
honi soit qui mal y pense
honk the horn
honky-tonk
honor a bill
honor be to
honor before
honor bright
honor card
honor guard
honor man
honor medal
honor point
honor price
honor roll
honor society
honor system
honor trick
honor-bound
honor-fired
honor-giving
honor-owing
honor-thirsty
honorable descent
honorable discharge
honorable mention
honorable ordinary
honorary canon
honorary member
honoris causa
honors course
honors of war
honour school
honourable discharge
honours list
honours of war
hoo-ha
hooch hound
hood cap
hood clock
hood end
hood molding
hood mould
hood-crowned
hood-mould
hood-shaped
hooded barley
hooded crow
hooded grass
hooded matweed
hooded seal
hooded top
hooded warbler
hoodie crow
hoodman-blind
hoof foot
hoof it
hoof-and-mouth disease
hoof-bound
hoof-cast
hoof-cut
hoof-plowed
hoof-printed
hoof-shaped
hoofed animal
hook a ride
hook and butt
hook and eye
hook and ladder
hook bolt
hook check
hook climber
hook gauge
hook in
hook into
hook it
hook ladder
hook maker
hook money
hook pin
hook rug
hook scarf
hook screw
hook shot
hook slide
hook spanner
hook squid
hook up
hook up with
hook wrench
hook, line, and sinker
hook-and-ladder
hook-and-ladder company
hook-and-ladder truck
hook-armed
hook-backed
hook-beaked
hook-bill
hook-billed
hook-collector transistor
hook-handed
hook-headed
hook-nose
hook-nosed
hook-shaped
hook-shouldered
hook-snouted
hook-tipped
hook-up
hooked into
hooked on
hooked rug
hookem-snivey
hooker-off
hooker-on
hooker-out
hooker-over
hooker-up
hookup wire
hookworm disease
hooky-crooky
hoop ash
hoop back
hoop bundler
hoop iron
hoop petticoat
hoop pine
hoop shell
hoop skirt
hoop snake
hoop tension
hoop tree
hoop willow
hoop withe
hoop-back
hoop-coop plant
hoop-la
hoop-petticoat
hoop-petticoat narcissus
hoop-shaped
hoop-stick
hooping-cough
hoopla campaign
hoosier town
hoot owl
hoot toot
hootchie-kootchie
hootchy-kootch
hootchy-kootchies
hootchy-kootchy
hootchy-kootchy show
hoover apron
hop along
hop aphid
hop back
hop borer
hop clover
hop dog
hop flea beetle
hop flour
hop fly
hop froth fly
hop gland
hop grub
hop hornbeam
hop in
hop into
hop jack
hop kiln
hop looper
hop louse
hop meal
hop merchant
hop mildew
hop mold
hop moth
hop off
hop oil
hop plant
hop plant borer
hop sack
hop sacking
hop step and jump
hop to it
hop tree
hop trefoil
hop up
hop-about
hop-garden
hop-o'-my-thumb
hop-o-my-thumb
hop-picker
hop-sack
hop-sacking
hop-shaped
hop-yard
hope against hope
hope and pray
hope chest
hope deferred
hope for
hope for the best
hope in
hope to God
hope to die
hoped-for
hopeful prognosis
hopeless case
hoping against hope
hoplo-
hopped up
hopped-up
hopper barge
hopper car
hopper casement
hopper closet
hopper dredge
hopper frame
hopper light
hopper salt
hopper vent
hopper window
hopper-bottom car
hopper-shaped
hopping John
hopping mad
hopvine moth
hopvine thecla
horehound motherwort
horizon blue
horizon distance
horizon glass
horizontal axis
horizontal bar
horizontal deflector
horizontal engine
horizontal fault
horizontal fire
horizontal line
horizontal mobility
horizontal parallax
horizontal plane
horizontal projection
horizontal stabilizer
horizontal synchronizer
horizontal synchronizing pulse
horizontal union
hormic psychology
hormic theory
horn alligator
horn arrester
horn balance
horn bar
horn bowsprit
horn bug
horn chestnut
horn die
horn fly
horn gap
horn gate
horn in
horn knot
horn lead
horn of Amalthea
horn of plenty
horn ore
horn player
horn poppy
horn pout
horn pox
horn reflector
horn silver
horn timber
horn-book
horn-eyed
horn-fish
horn-footed
horn-mad
horn-madness
horn-owl
horn-plate
horn-rimmed
horn-rimmed glasses
horn-rims
horn-shaped
horn-silver
horn-wood
hornbill cuckoo
hornblende schist
hornblende-gabbro
horned dinosaur
horned lark
horned lizard
horned owl
horned poppy
horned pout
horned rattlesnake
horned screamer
horned snake
dernod toad
dernod viper
dernod whiff
hornet comb
hornet fly
hornet's nest
hornless cow
horns of a dilemma
horny coral
horny-fingered
horny-fisted
horny-hoofed
horny-knuckled
horney-nibbed
horney-toad
horror picture
horror vacui
horror-crowned
horror-fraught
horror-inspiring
horror-loving
horror-stricken
horror-struck
hors concours
hors d'oeuvre
hors d'oeuvres
hors de combat
horse aloes
horse ant
horse around
horse artillery
horse bean
horse blanket
horse block
horse boat
horse boot
horse bot
horse bow
horse box
horse brass
horse brier
horse chanter
horse chestnut
horse clipper
horse conch
horse coper
horse courser
horse dam
horse dealer
horse devil
horse doctor
horse drench
horse driver
horse duck
horse elder
horse emmet
horse fiddle
horse fly
horse gentian
horse gentler
horse ginseng
horse godmother
horse gowan
horse guard
horse hoe
horse iron
horse latitudes
horse laugh
horse litter
horse louse
horse mackerel
horse marine
horse master
horse mint
horse mushroom
horse nettle
horse nop
horse of a different color
horse of another color
horse opera
horse parlor
horse pick
horse pistol
horse plum
horse post
horse race
horse racer
horse racing
horse railroad
horse railway
horse rake
horse rasp
horse rough
horse savin
horse scraper
horse sense
horse show
horse sickness
horse soldier
horse sugar
horse tail
horse thistle
horse tick
horse timber
horse towel
horse trade
horse trader
horse trading
horse trainer
horse training
horse wrangler
horse's ass
horse's neck
horse-and-buggy
horse-back
horse-bitten
horse-block
horse-boat
horse-box
horse-boy
horse-bread
horse-breaker
horse-car
horse-chestnut
horse-collar
horse-coper
horse-corser
horse-course
horse-dealing
horse-drawn
horse-eye
horse-faced
horse-fair
horse-fish
horse-flesh
horse-fly
horse-foot
horse-godmother
horse-guard
horse-head
horse-hoe
horse-hoof
horse-hour
horsing around
hortatory address
hortus clusus
hortus siccus
hose cart
hose cock
hose company
hose down
hose duck
hose grass
hose hook
hose jacket
hose reel
hose truck
hose-in-hose
hose-net
hosing down
hospital administrator
hospital bed
hospital cleanliness
hospital corner
hospital fever
hospital gangrene
hospital light
hospital lock
hospital room
hospital service contract
hospital ship
hospital staff
hospital station
hospital steward
hospital train
hospital window
hospitalization insurance
host of heaven
host of hell
host plant
hostages to fortune
hostel school
hostess gown
hostess house
hostess-ship
hostile criticism
hostile expedition
hostile personality
hostile reaction
hostile witness
hot about
hot air
hot as blazes
hot as fire
hot as hell
hot as pepper
hot as the hinges of hell
hot atom
hot bath
hot bed
hot blast
hot blood
hot box
hot buttered rum
hot cake
hot cereal
hot chisel
hot chocolate
hot circuit
hot cockles
hot cold-working
hot corner
hot cross bun
hot day
hot diggety
hot dog
hot economy
hot enough to roast an ox
hot flash
hot for
hot galvanizing
hot goods
hot head
hot iron
hot issue
hot items
hot jazz
hot lead
hot lick
hot light
hot line
hot luncheon
hot metal
hot money
hot number
hot off the fire
hot off the griddle
hot off the press
hot off the spit
hot on
hot pack
hot pack method
hot pants
hot pepper
hot place
hot plate
hot pot
hot potato
hot press
hot pursuit
hot roast beef sandwich
hot rod
hot rodder
hot sauces
hot seat
hot shot
hot shower
hot spot
hot spring
hot stuff
hot switch
hot tear
hot temper
hot tip
hot toddy
hot trimmer
hot type
hot under the collar
hot up
hot war
hot water
hot wave
hot weather
hot well
hot wind
hot ziggety
hot-air
hot-air artist
hot-air balloon
hot-air engine
hot-air heat
hot-air heating
hot-air treatment
hot-air-heat
hot-air-heated
hot-blast
hot-blast system
hot-blooded
hot-bloodedness
hot-brain
hot-breathed
hot-bright
hot-broached
hot-bulb engine
hot-cathode tube
hot-cold
hot-deck
hot-dip coating
hot-dipped
hot-dog
hot-dog stand
hot-draw
hot-drawing
hot-drawn
hot-drew
hot-dry
hot-eyed
hot-foot
hot-forged
hot-galvanize
hot-gospeller
hot-headed
hot-hoof
hot-house
hot-house plant
hot-humid
hot-livered
hot-metal typesetting
hot-mettled
hot-mix
hot-moist
hot-pot
hot-press
hot-presser
hot-punched
hot-roll
hot-rolled
hot-short
hot-shortness
hot-shot
hot-spirited
hot-spot
hot-spotted
hot-spotting
hot-stomached
hot-stove league
hot-swage
hot-tempered
hot-vulcanized
hot-water bag
hot-water bottle
hot-water cylinder
hot-water fit
hot-water heater
hot-water heating
hot-water pipe
hot-water-heat
hot-water-heated
hot-windy
hot-wire
hot-wire meter
hot-wire microphone
hot-work
hot-work steel
hotbed sash
hotel broker
hotel detective
hotel lock
hotel manager
hotel rack
hothouse lamb
hotsy-totsy
hotted up
hough-sinew
hound dog
hound on
hound to destruction
hound's tooth
hound's-tongue
hound's-tooth
hound's-tooth check
hound-dog
hound-fish
hound-marked
hounds-berry
houndstooth check
hour after hour
hour angle
hour bell
hour book
hour by hour
hour circle
hour hand
hour line
hour plate
hour stroke
hour watch
hour wheel
hour-circle
hour-glass
hour-long
hourglass figure
hourglass of time
hourglass screw
hourglass spider
hourglass spring
hourglass stomach
hourglass worm
hourglass-shaped
house agent
house and grounds
house and lot
house ant
house arrest
house barge
house built on sand
house car
house cat
house centipede
house chambermaid
house cleaner
house counsel
house crow
house curtain
house decorator
house detective
house dick
house divided against itself
house doctor
house dog
house dove
house drain
house dress
house duty
house factor
house farmer
house finch
house flag
house furnisher
house furnishing
house furnishings
house god
house guest
house holly fern
house in
house jobber
house knacker
house lights
house manager
house martin
house mosquito
house mouse
house mover
house moving
house of God
house of assembly
house of assignation
house of burgesses
house of cards
house of commons
house of correction
house of death
house of delegates
house of detention
house of ill fame
house of ill repute
house of joy
house of life
house of lords
house of prayer
house of prostitution
house of representatives
house of worship
house organ
house painter
house party
house physician
house plan
house place
house plan
house plant
house servant
house slipper
house snake
house sparrow
house staff
house steward
house surgeon
house tax
house track
house trailer
house trap
house trim
house wagon
house wrecker
house wren
house-boat
house-broken
house-builder
house-cap
house-craft
house-dog
house-dove
house-father
house-headship
house-mother
house-place
house-proud
house-raising
house-room
house-search
house-to-house
house-to-house combat
house-top
house-train
house-warming
housed string
household ammonia
household art
household cavalry
household effects
household franchise
household goddess
household gods
household goods
household name
household suffrage
household troop
household troops
household word
household words
household-stuff
housemaid's knee
housey-housey
housing bill
housing development
housing estate
housing problem
housing project
housing scheme
howe to
hover fly
hover hawk
hover over
hovering accent
hovering act
how about that
how are you
how come
how do
how do you do
how does she head
how far
how goes it
how is it that
how is your rudder
how it goes
how it is
how now
how should I know
how the land lies
how the wind blows
how they fall
how things are
how things stack up
how things stand
how you doin'
how's every little thing
how's the world treating you
how's things
how's tricks
how-dye-do
how-de-do
how-do-ye
how-do-ye-do
how-do-you-do
how-to
how-to book
howdy-do
however that may be
howgozit curve
howl down
howl like all the devils of hell
howler monkey
howling monkey
howling success
howling wilderness  
howling wind  
hoyle shooting  
hf factor  
hub a dub  
hub borer  
hub brake  
hub braking  
hub driller  
hub dynamometer  
hub maker  
hub odometer  
hub of industry  
hub turner  
hub-band  
hub-bander  
hub-banding  
hub-boring  
hub-deep  
hub-turning  
hubba hubba  
hubble-bubble  
huckle-bone  
hudder-mudder  
huddle on  
hudson seal  
hue and cry  
hue cycle  
huff and puff  
huff-cap  
huff-duff  
huff-shouldered  
huff-snuff  
hug the coast  
hug the earth  
hug the land  
hug the shore  
hug yourself  
hug-me-tight  
huge-armed  
huge-bellied  
huge-bodied  
huge-boned  
huge-built  
huge-grown  
huge-horned  
huge-jawed
huge-limbed
huge-looking
huge-proportioned
huge-tongued
hugger-mugger
hugger-muggeries
hugger-muggery
hula girl
hula hoop
hula skirt
hula-hula
hull balance
hull down
hull efficiency
hull girder
hull insurance
hull up
hull-less
hull-less oat
hulling line
hully gully
hum and haw
hum note
hum tone
hum-bird
human being
human dynamo
human ecology
human engineering
human equation
human error
human factor
human family
human form
human frailty
human geography
human interest
human mountain
human nature
human paleontology
human race
human rights
human sacrifice
human species
human weakness
human wreck
human-headed
human-interest story
humane letters
humane society
humanistic scholarship
humanistic therapy
humanized vaccine
humanly possible
humanum est errare
humble apology
humble pie
humble plant
humble yourself
humble yourself before
humble-bee
humble-looking
humble-mannered
humble-minded
humble-mindedly
humble-mindedness
humble-spirited
humble-visaged
humbled pride
humbug-proof
humeral veil
humeral
humero-
humero-olecranal
humic acid
humid weather
humidity control
humidity indicator
humidity instrument
humidity wind rose
humidity-proof
humiliate yourself
humite group
hummel corn
humming top
humming-bird
hummingbird moth
hump it
hump speed
hump yard
hump yourself
hump-backed
hump-shaped
hump-shoulder
hump-shouldered
humpback bridge
humpback whale
humpbacked salmon
humped cattle
humpty dumpty
humpty-dumpty
hunch down
hundred days
hundred per cent
hundred’s place
hundred-dollar
hundred-dollar bill
hundred-eyed
hundred-feathered
hundred-footed
hundred-handed
hundred-headed
hundred-leaf
hundred-leaved
hundred-legged
hundred-legs
hundred-mile
hundred-percent
hundred-percent American
hundred-percentcenter
hundred-pound
hundred-pounder
hundred-to-one shot
hundred-yard dash
hundred-year
hundreds and thousands
hundredth’s place
hung jury
hung over
hung up
hung up on
hung-up
hunger after
hunger belt
hunger for
hunger grass
hunger march
hunger marcher
hunger strike
hunger striker
hunger-bit
hunger-bitten
hunger-driven
hunger-mad
hunger-pressed
hunger-starve
hunger-stricken
hunger-stung
hunger-worn
hungry as a bear
hungry mouth
hungry rice
hunk of a man
hunker down
hunky-dory
hunt and peck
hunt board
hunt box
hunt button
hunt down
hunt for
hunt in couples
hunt out
hunt table
hunt the slipper
hunt through
hunt up
hunt's-up
hunter green
hunter trials
hunter's green
hunter's moon
hunter's pink
hunter's robe
hunter-killer submarine
hunting box
hunting cap
hunting case
hunting cat
hunting chair
hunting cry
hunting dog
hunting expedition
hunting ground
hunting horn
hunting knife
hunting leopard
hunting license
hunting lodge
hunting miter
hunting shirt
hunting spider
hunting sword
hunting trip
hunting watch
hunting-ground
huntsman's-cup
hurdle race
hurdle racer
hurdle work
hurdles, the
hurdy-gurdies
hurdy-gurdist
hurdy-gurdy
hurdy-gurdy man
hurdy-gurdyist
hurl a brickbat
hurl against
hurl at
hurl at the head of
hurl defiance
hurl forth
hurl-bone
hurley stick
hurley-hacket
hurly burly
hurly-burlies
hurly-burly
hurr-bur
hurrah campaign
hurricane bird
hurricane deck
hurricane globe
hurricane house
hurricane hunter
hurricane lamp
hurricane lantern
hurricane signal
hurricane tracking
hurricane warning
hurricane-decked
hurricane-force wind
hurricane-hunter aircraft
hurricane-proof
hurry about
hurry along
hurry away
hurry call
hurry off
hurry on
hurry through
hurry up
hurry-burry
hurry-scurried
hurry-scurry
hurry-scurrying
hurry-skurried
hurry-skurry
hurry-skurrying
hurry-up
hurst beech
hurt the feelings
husband and wife
husband your resources
husband-to-be
hush as death
hush money
hush my mouth
hush of night
hush puppy
hush ship
hush shop
hush tube
hush up
hush your mouth
hush-boat
hush-hush
hush-money
hush-up
hushed attention
hushed-up
husk corn
husk tomato
husk-tomato
husking bee
husking glove
husking peg
husky eater
hustings court
hustle out
hustle up
hustle-cap
hut circle
hut-keep
hut-shaped
hutch table
hutia carabali
hutia conga
hw-
hydraulic power
hydraulic press
hydraulic radius
hydraulic ram
hydraulic servo
hydraulic suspension
hydraulic tailgate
hydraulic torque converter
hydraulic-fill dam
hydraulico-
ydrazo group
hydrazo radical
hydrazoic acid
hydriodic acid
hydro-
hydro-aeroplane
hydro-airplane
hydro-electric
hydro-jet
hydro-pneumatic
hydro-ski
hydro-ureter
hydrobromic acid
hydrocarbon cement
hydrochloric acid
hydrocinnamic aldehyde
hydrocinnamoyl group
hydrocinnamoyl radical
hydrocinnamyl group
hydrocinnamyl radical
hydrocyanic acid
hydroelectric plant
hydroelectric power
hydrofluorric acid
hydrogen arsenide
hydrogen blast
hydrogen bomb
hydrogen bond
hydrogen bromide
hydrogen carbonate
hydrogen chloride
hydrogen cyanide
hydrogen dioxide
hydrogen electrode
hydrogen fluoride
hydrogen iodide
hydrogen ion
hydrogen oxide
hydrogen peroxide
hydrogen selenide
hydrogen silicide
hydrogen sulfide
hydrogen sulphate
hydrogen sulphide
hydrogen sulphite
hydrogen tartrate
hydrogen telluride
hydrogen-bomb
hydrogenated fat
hydrographic chart
hydrographic oceanographic
hydrologic cycle
hydromellitic acid
hydrometric pendulum
hydronium ion
hydrophobia cat
hydrostatic balance
hydrostatic head
hydrosulfurous acid
hydrosulphurous acid
hydrotelluric acid
hydrothermal water
hydroxide ion
hydroxonium ion
hydroxy aldehyde
hydroxy ketone
hydroxy-
hydroxyacetic acid
hydroxybenzoic acid
hydroxybutyric acid
hydroxyl group
hydroxyl radical
hydroxy succinic acid
hyena poison
hyena-dog
hyet-
hyetal wind rose
hyeto-
hygr-
hygro-
hyl-
hylo-
hymeneal rites
hymenoe-
hymn book
hymn maker
hymn making
hymn of praise
hymn singer
hymn singing
hymn tune
hymn writer
hymn writing
hymn-loving
hymn-tune
hymnal stanza
hyo-
hyodeoxycholic acid
hyodesoxycholic acid
hyoid bone
hyp-
hypabyssal rock
hyped up
hyper-
hyper-Dorian
hyperbaric therapy
hyperbolic function
hyperbolic geometry
hyperboreal blast
hyperboreal blast
hyperchromic anemia
hypercomplex number
hyperemesis gravidarum
hyperesthesia theory
hyperfine structure
hyperfocal distance
hypergeometric distribution
hypergeometric equation
hypergeometric function
hyperplastic inflammation
hypersonic speed
hypertensive heart disease
hypertrophic arthritis
hypertrophic inflammation
hyphenated American
hypn-
hypnagogic image
hypno-
hypnotic sleep
hypnotic somnolence
hypnotic suggestion
hypnotic trance
hypo ionian mode
hypo-
hypo-alum
hypo-ovarianism
hypoaeolian mode
hypoantimonic acid
hypochlorous acid
hypochromic anemia
hypocotyl arch
hypocrite plant
hypodermic injection
hypodermic needle
hypodermic syringe
hypodermic tablet
hypodorian mode
hypodynamia cordis
hypogastric artery
hypoglossal nerve
hypoglycemic shock
hypoglycemic shock therapy
hypoid gear
hypoionian mode
hypolocrian mode
hypolydian mode
hypomixolydian mode
hyponitrous acid
hypophosphoric acid
hypophosphorous acid
hypophrygian mode
hypophysis cerebri
hypoplastic anemia
hypospray injection
hyposulfurous acid
hyposulphurous acid
hypothecated stock
hypothesis ad hoc
hypothesis and verification
hypothetical imperative
hypothetico-disjunctive
hyp-
hypsi-
hypo-
hyraci-
hyson skin
hyssop loosestrife
hyssop oil
hyssop skullcap
hyssop spurge
hyssop violet
hyssop-leaved
hyst-
hyster-
hysteresis coefficient
hysteresis curve
hysteresis loop
hysteresis loss
hysteresis meter
hysteria libidinosa
hysteria-proof
hysterical aphonia
hysterical epilepsy
hysterical fever
hysterical mutism
hystero-
hystero-epilepsy
hystero-epileptic
hystero-epileptogenic
hystero-oophorectomy
hystero-salpingostomy
hysteron proteron
hysteron-proteron
i beam
i-
i-come
i-cried
i-fere
i-type semiconductor
ia-
iambic pentameter
iatro-
iatrogenic disease
ibn-Batuta
ibn-Rushd
ibn-Saud
ibn-Sina
ice age
ice anchor
ice apron
ice ax
ice axe
ice bag
ice banner
ice barrier
ice beam
ice bear
ice belt
ice bird
ice bridge
ice bucket
ice bulletin
ice calorimeter
ice canoe
ice cap
ice cave
ice chest
ice chipper
ice chopper
ice claw
ice code
ice collar
ice color
ice concrete
ice cream
ice creeper
ice crusher
ice crystal
ice crystals
ice cube
ice cuber
ice cubes
ice cutter
ice dealer
ice dike
ice dock
ice drag
ice duck
ice feathers
ice fern
ice field
ice fish
ice fishing
ice floe
ice flower
ice flowers
ice fog
ice foot
ice fork
ice fox
ice front
ice glass
ice gorge
ice gull
ice gush
ice hockey
ice hook
ice house
ice island
ice jam
ice lance
ice lead
ice line
ice lolly
ice machine
ice maker
ice making
ice master
ice milk
ice nail
ice needle
ice over
ice pack
ice pail
ice paper
ice partridge
ice pellets
ice period
ice petrel
ice pick
ice pillar
ice pilot
ice pink
ice pinnacle
ice plant
ice plow
ice point
ice raft
ice rain
ice rampart
ice rink
ice river
ice run
ice scraper
ice shaver
ice shed
ice sheet
ice shelf
ice ship
ice show
ice skate
ice skates
ice skating
ice sky
ice spar
ice spur
ice stick
ice storm
ice stream
ice ton
ice tongs
ice tongue
ice up
ice water
ice whale
ice yacht
ice yachting
ice yachtsman
ice-bird
ice-blind
ice-boat
ice-bolt
ice-bound
ice-breaker
ice-breaking
ice-brook
ice-built
ice-cap
ice-capped
ice-chipping
ice-clad
ice-cold
ice-cool
ice-cooled
ice-covered
ice-cream
ice-cream cone
ice-cream fork
ice-cream freezer
ice-cream soda
ice-cream sundae
ice-crushing
ice-crusted
ice-cube
ice-cube machine
ice-cubing
ice-cutting
ice-encrusted
ice-enveloped
ice-fall
ice-field
ice-floe
ice-foot
ice-free
ice-green
ice-hill
ice-hook
ice-house
ice-imprisoned
ice-island
ice-laid
ice-locked
ice-master
ice-mountain
ice-plant
ice-plough
ice-scoured
ice-sheet
ice-skate
ice-skated
ice-skating
ice-stream
ice-work
iceberg lettuce
icebox cake
iced coffee
iced tea
iced-tea spoon
iceland moss
iceland poppy
iceland spar
ich dien
ichn-
icheonemon fly
ichneuron-
ichthy-
icthyo-
icthyophthisirius disease
icing sugar
icon-
iconic memory
icono-
icono-
icterus index
icy blasts
icy calm
icy clutch of dread
icy fingers of dread
icy nerves
icy pole
icy wind
icy-cold
id est
idea afloat
idea man
idea of pure reason
idea of reference
idea, the
ideal element
ideal gas
ideal gas equation or law
ideal gas law
ideal of pure reason
ideal point
ideal specific impulse
ideal type
idee fixe
idee-force
idee-maitresse
identical equation
identical proposition
identical rhyme
identical same
identical twin
identical twins
identification badge
identification bracelet
identification light
identification mark
identification parade
identification space
identification tag
identification thread
identified as
identify with
identify yourself with
identity card
identity crisis
identity matrix
identity theory of mind
ideo-
ideo-unit
ideogrammatic character
ideogrammatic symbol
ideogrammic character
ideogrammic symbol
ideographic character
ideographic symbol
ideopathic epilepsy
ides of March
idio-
idiom dictionary
idiomorphic-granular
idiot board
idiot box
idiot card
idiot savant
idiot savants
idiot sheet
idiot stitch
idiot work
idiot's delight
idiotic grin
idiots savants
idle away
idle away time
idle chat
idle chatter
idle chatterer
idle current
idle fancy
idle gear
idle gossip
idle hands
idle hours
idle pulley
idle rich
idle talk
idle threat
idle wheel
idle-brained
idle-handed
idle-headed
idle-looking
idle-minded
idle-pated
idle-witted
idler gear
idler pulley
idler wheel
idol breaker
idol worship
idol worshiper
idol worshiping
idolo-
idols of the cave
idols of the forum
idols of the market place
idols of the theater
idols of the tribe
idonic acid
ie-
ier-oe
if and only if
if and when
if at all
if ever
if humanly possible
if it be so
if it be true that
if it should happen that
if it so happens
if it turns out
if necessary
if need be
if not
if only
if possible
if worst comes to worst
if you please
if you wish
if-clause
ife hemp
ignatius' bean
igneous rock
ignes fatui
igni-
ignis fatuous
ignis fatuus
ignition cable
ignition cap
ignition charge
ignition key
ignition point
ignition temperature
ignition tube
ignobile vulgus
ignominious defeat
ignoratio elenchi
ignore grammar
ignore it
ignore opportunity's knock
ignotum per ignotius
ikrar-namah
il Duce
il-
ilang-ilang
ile-
ileo-
ileo-ileostomy
iliac artery
ilio-
ilio-inguinal
iliotibial band
ill at ease
ill blood
ill breeding
ill disposition
ill done-by
ill fame
ill feeling
ill fortune
ill hap
ill health
ill house
ill humor
ill humored
ill humour
ill luck
ill manners
ill nature
ill off
ill repute
ill service
ill success
ill temper
ill turn
ill usage
ill use
ill will
ill wind
ill-
il-according
ill-accoutered
ill-accustomed
ill-achieved
ill-acquired
ill-acted
ill-adapted
ill-adventured
ill-advised
ill-advisedly
ill-affected
ill-affectedly
ill-affectedness
ill-agreeable
ill-agreeing
ill-annexed
ill-armed
ill-arranged
ill-assimilated
ill-assorted
ill-assorted marriage
ill-at-ease
ill-balanced
ill-balanced sentences
ill-befitting
ill-begotten
ill-behaved
ill-being
ill-beseeming
ill-bested
ill-boding
ill-born
ill-borne
ill-breathed
ill-bred
ill-bred fellow
ill-built
ill-calculating
ill-cared
ill-celebrated
ill-cemented
ill-chosen
ill-clad
ill-cleckit
ill-coined
ill-colored
ill-come
ill-comer
ill-composed
ill-concealed
ill-conceived
ill-concerted
ill-conditioned
ill-conditionedness
ill-conducted
ill-considered
ill-consisting
ill-contented
ill-contenting
ill-contrived
ill-cured
ill-customed
ill-deedy
ill-defined
ill-definedness
ill-devised
ill-digested
ill-directed
ill-disciplined
ill-disposed
ill-disposedness
ill-dissembled
ill-doing
ill-done
ill-drawn
ill-dressed
ill-educated
ill-effaceable
ill-equipped
ill-erected
ill-executed
ill-famed
ill-farshaled
ill-faring
ill-fariously
ill-fashioned
ill-fated
ill-fated life
ill-fatedness
ill-favor
ill-favored
ill-favoredly
ill-favoredness
ill-favoured
ill-favouredly
ill-favouredness
ill-featured
ill-fed
ill-fitted
ill-fitting
ill-flavored
ill-foreseen
ill-formed
ill-found
ill-founded
ill-friend
ill-furnished
ill-gauged
ill-gendered
ill-given
ill-got
ill-gotten
ill-gotten gains
ill-governed
ill-greeting
ill-grounded
ill-hap
ill-headed
ill-health
ill-housed
ill-humor
ill-humored
ill-humored person
ill-humored woman
ill-humoredly
ill-humoredness
ill-humoured
ill-humouredly
ill-humouredness
ill-imagined
ill-informed
ill-intentioned
ill-invented
ill-joined
ill-judge
ill-judged
ill-judging
ill-kempt
ill-kept
ill-knotted
ill-less
ill-lighted
ill-limbed
ill-lit
ill-lived
ill-looked
ill-looking
ill-lookingness
ill-made
ill-manageable
ill-managed
ill-mannered
ill-manneredly
ill-manneredness
ill-mannerly
ill-marked
ill-matched
ill-mated
ill-meant
ill-met
ill-minded
ill-mindedly
ill-mindedness
ill-natured
ill-naturedly
ill-naturedness
ill-neighboring
ill-noised
ill-nurtured
ill-observant
ill-occupied
ill-omened
ill-omenedness
ill-paid
ill-perfuming
ill-persuaded
ill-placed
ill-pleased
ill-proportioned
ill-provided
ill-qualified
ill-regulated
ill-requite
ill-requited
ill-resounding
ill-rewarded
ill-roasted
ill-rulled
ill-satisfied
ill-savored
ill-scented
ill-seasoned
ill-seen
ill-served
ill-set
ill-shaped
ill-smelling
ill-sorted
ill-sounding
ill-spent
ill-spun
ill-starred
ill-strung
ill-succeeding
ill-suited
ill-suiting
ill-supported
ill-tasted
ill-taught
ill-tempered
ill-temperedly
ill-temperedness
ill-time
ill-timed
ill-tongued
ill-treat
ill-treated
ill-treater
ill-treatment
ill-tuned
ill-turned
ill-understood
ill-usage
ill-use
ill-used
ill-using
ill-ventilated
ill-weaved
ill-wedded
ill-willed
ill-willer
ill-willie
ill-willing
ill-willy
ill-wish
ill-wisher
ill-won
ill-worded
ill-written
ill-wrought
ill-yoked
illegal commerce
illegal operations
illegal traffic
illegible handwriting
illegitimate business
illegitimate child
illicit business
illicit businessman
illicit love
illipe butter
illiterate speech
ills the flesh is heir to
illuminating engineer
illuminating engineering
illuminating gas
illuminating oil
illuminating projectile
illupi oil
illusion-proof
im-
image breaker
image breaking
image converter
image dissector
image iconoscope
image intensifier
image orthicon
image space
image tube
image worship
image-breaker
image-breaking
image-maker
image-matched input resistance
image-matched output resistance
image-worship
imageless thought
imagery study
imaginal bud
imaginal disk
imaginal type
imaginary axis
imaginary invalid
imaginary number
imaginary part
imaginary unit
imagination-proof
imaginative exercise
imagist verse
imagistic poetry
imb-
imbibition process
imbricato-
imbue with life
imbued with
imbued with life
imide chloride
imido group
imperium in imperio
impersonal verb
impervious to
impervious to light
impervious to persuasion
imperviousness to light
impinge on the eye
impinge on your consciousness
impingement attack
impious person
implant in
implantation cone
implicate yourself
implicated in
implicit belief
implicit consent
implicit differentiation
implicit function
implicit function theorem
implied contract
implied meaning
implied threat
implore counsel
implore mercy
import credit
import tax
important person
important persons
important point
important thing
imported currantworm
imported wine
impose a penalty on
impose on
impose on you for
impose upon
impose your will
imposing an onus
imposing stone
imposing table
imposition of hands
impost block
impress forcibly
impress on the mind
impress upon
impress upon the memory
impressed by
impressed with
impressed with yourself
improper fraction
improper integral
improper suggestion
improve each shining hour
improve on
improve the mind
improve the occasion
improve the shining hour
improve upon
improve your mind
improvement lease
improvement purchase
improving the mind
improvisational drama
imprudent step
impudent person
impulse buying
impulse duct engine
impulse excitation
impulse face
impulse movement
impulse of life
impulse recorder
impulse roller
impulse transformer
impulse turbine
impurity atom
impute shame to
impute to
in Abraham's bosom
in Argolis
in Davy Jones's locker
in Dutch
in God's good time
in Indian file
in NW Africa
in Queer Street
in Sunday best
in Technicolor
in a backwater
in a bad humor
in a bad way
in a beeline
in a big way
in a bind
in a bit
in a blaze
in a blue funk
in a body
in a bondman's key
in a bother
in a botheration
in a box
in a capsule
in a chain
in a chorus
in a circle
in a class by itself
in a cloud
in a corner
in a crescendo
in a dark corner
in a daze
in a dead calm
in a delicate condition
in a different manner
in a dilemma
in a direct line
in a dither
in a fair manner
in a fair way
in a fair way to
in a fashion
in a ferment
in a fever
in a few words
in a fix
in a flash
in a flurry
in a fluster
in a flutter
in a fog
in a foofaraw
in a frenzy of desire
in a fright
in a fume
in a funk
in a fury
in a fury of desire
in a glow
in a good
in a good mood
in a good state of preservation
in a groove
in a haze
in a hole
in a hole-and-corner way
in a huddle
in a huff
in a hurry
in a jam
in a jiff
in a jiffy
in a jumble
in a lather
in a lather of haste
in a line
in a line for
in a little bit
in a little while
in a manner
in a manner of speaking
in a maze
in a measure
in a mess
in a minute
in a mist
in a moment
in a muck of a sweat
in a muddle
in a nice pickle
in a nutshell
in a panic
in a passion
in a pet
in a pickle
in a pig's eye
in a position to
in a pother
in a predicament
in a pretty pass
in a pretty pickle
in a pucker
in a quandary
in a quiver
in a rage
in a reverie
in a roundabout way
in a row
in a rush
in a rut
in a scrape
in a second
in a sense
in a series
in a shake
in a shocking humor
in a short time
in a short while
in a small compass
in a small way
in a smart-alecky way
in a smart-ass fashion
in a sorry plight
in a sound sleep
in a spin
in a spot
in a squirrel cage
in a stable state
in a state
in a state of nature
in a state of suspense
in a stew
in a straight line
in a stupor
in a sweat
in a sweat of haste
in a swivet
in a temper
in a tight spot
in a tizzy
in a trance
in a transport
in a transport of delight
in a trice
in a tumble
in a turmoil
in a twink
in a twinkling
in a twitter
in a watery bier
in a watery grave
in a wax
in a way
in a while
in a whirl
in a whisper
in a wink
in a word
in abeyance
in absentia
in abstracto
in abundance
in accord
in accordance
in accordance with
in action
in actuality
in addition
in addition to
in adjustment
in admiration
in advance
in advance of
in advance of your age
in adverse circumstances
in aeternum
in aftertime
in agreement
in agreement with
in aid of
in alarm
in all
in all ages
in all conscience
in all creation
in all directions
in all directions at once
in all fairness
in all haste
in all its intensity and color
in all likelihood
in all manner of ways
in all places
in all probability
in all quarters
in all reason
in all respects
in all seriousness
in all soberness
in all your born days
in alt
in altissimo
in amazement
in ambuscade
in ambush
in amends
in an aside
in an evil hour
in an instant
in an uncertain state
in an undertone
in an unguarded moment
in an uproar
in ancient times
in and in
in and out
in anger
in another way
in answer
in anticipation
in anticipation of
in antis
in any case
in any event
in any possible way
in any way
in apple-pie order
in apposition
in armor
in arms
in arrear
in arrears
in articulo mortis
in ascendancy
in association
in association with
in astonishment
in at the death
in atonement
in authority
in awe
in awe of
in back of
in bad
in bad humor
in bad odor
in bad odor with
in bad repute
in bad spirits
in bad taste
in bad with
in balance
in balk
in ballast
in banc
in banco
in base
in battle array
in bed
in bedrock
in behalf of
in being
in bend
in between
in bewilderment
in bits
in bits and pieces
in black and white
in bloom
in blossom
in blue water
in board
in bold relief
in bondage
in bonds
in brief
in brief compass
in broad daylight
in broad terms
in brodo
in buckram
in bud
in bulk
in cahoot
in cahoots
in camera
in captivity
in case
in case of
in case that
in cash
in chains
in chambers
in chancery
in character
in charge
in charge of
in check
in chevron
in chief
in childbed
in chorus
in circles
in circulation
in closed meeting
in clover
in cold blood
in collaboration
in collision
in collusion
in color
in column
in combat
in comfort
in command
in commemoration
in commemoration of
in commendam
in commission
in common
in company
in company with
in comparison with
in compensation
in competition
in complete steel
in compliance with
in complicity
in concert
in concert with
in conclave
in conclusion
in concord
in condition
in conference
in confidence
in confinement
in confirmation
in conflict with
in conformity with
in conformity with the evidence
in conformity with the facts
in confrontation
in confusion
in conjunction
in conjunction with
in connection with
in conscience
in consequence
in consequence of
in consideration
in consideration of
in consternation
in consultation
in contact
in contact with
in contemplation of
in contempt
in contempt of
in contradiction
in contrast with
in control
in cooperation
in cooperation with
in corpore
in correspondence to
in corroboration of
in costume
in council
in course of preparation
in court
in crowds
in curve
in custody
in danger
in danger imminent
in danger of
in darkness
in days of yore
in debate
in debt
in deep
in deep water
in default
in default of
in defense
in deference to
in defiance of
in demand
in denial
in depth
in despair
in desperate case
in desperate straits
in despite of
in detail
in detention
in diapers
in difficulties
in difficulty
in disagreement
in disagreement with
in disarray
in discredit
in disdain
in disfavor
in disgrace
in disguise
in dishabille
in disorder
in dispute
in disrepair
in disrepute
in distress
in double harness
in double time
in double-quick time
in doubt
in driblets
in dribs and drabs
in dubio
in due course
in due form
in due season
in due time
in dumb show
in duplicate
in durance vile
in duty bound
in earnest
in ease
in eclipse
in ecstasies
in ecstasy
in effect
in either case
in embarrassed circumstances
in embryo
in epitome
in equal shares
in equilibrio
in equilibrium
in equipoise
in equity
in error
in escrow
in esse
in essence
in every clime
in every direction
in every hole and corner
in every instance
in every nook and cranny
in every place
in every quarter
in every region
in every respect
in every your mouth
in everyone's mouth
in evidence
in excess
in excess of
in exchange
in executive session
in exercise
in existence
in expectation
in explanation
in extenso
in extremis
in extremities
in fact
in faith
in fashion
in fault
in favor
in favor of
in fear
in fear and trembling
in fear of your life
in fee
in fee simple
in fess
in file
in fine
in fine feather
in fine fettle
in fine shape
in fine whack
in fits and starts
in flagrante delicto
in flames
in flat opposition
in flight
in flood
in flower
in focus
in for it
in force
in foreign parts
in forma pauperis
in frame
in front
in front of
in full
in full bloom
in full cry
in full dress
in full feather
in full force
in full measure
in full sail
in full swing
in full view
in fun
in funds
in furtherance of
in future
in futuro
in gear
in general
in general terms
in glory
in glowing terms
in good case
in good condition
in good earnest
in good faith
in good form
in good health
in good heart
in good odor
in good part
in good season
in good set terms
in good shape
in good spirits
in good supply
in good taste
in good time
in good trim
in good truth
in good with
in great measure
in grief
in half
in half a jiffy
in half a mo
in half a shake
in half measures
in halves
in hand
in harbor
in harmony
in harmony with
in harness
in haste
in haste like a snail
in health
in heaps
in heat
in heaven
in hell
in hellfire
in hiding
in hidlings
in high
in high dudgeon
in high esteem
in high estimation
in high favor
in high feather
in high gear
in high relief
in high spirits
in historic times
in hoc
in hoc signo vinces
in hock
in hold
in holes and corners
in holy orders
in honor of
in hopes
in hospital
in hostile array
in hot blood
in hot haste
in hot pursuit
in hot water
in hysterics
in idea
in ignorance of
in imitation of
in infinitum
in installments
in irons
in its entirety
in its infancy
in its own way
in its place
in its stead
in itself
in jeopardy
in jest
in joke
in justice
in juxtaposition
in keeping
in keeping with
in kelter
in kilter
in kind
in large
in layers
in leading strings
in leaf
in league
in leash
in length
in less than no time
in letters of fire
in lieu
in lieu of
in like manner
in limine
in line
in line of duty
in line with
in liquor
in litigation
in little
in loco
in lock-step with
in loco
in loco parentis
in longhand
in lots
in love
in love with
in low gear
in low relief
in low spirits
in luck
in lure
in luxury
in majority
in many instances
in march time
in measure
in medias res
in medium
in mem
in memoriam
in memory of
in mesh
in mid
in mid-progression
in miniature
in mint condition
in moderation
in mortal fear
in mothballs
in motion
in mourning
in must
in naked beauty more adorned
in name only
in nappies
in narrow circumstances
in native buff
in nature's garb
in need
in need of rest
in negligee
in no case
in no long time
in no place
in no respect
in no time
in no uncertain terms
in no way
in no wise
in nomine
in nothing flat
in numbers
in obedience to
in olden times
in omnia paratus
in one way or another
in one word
in open court
in operation
in opposition
in opposition to
in order
in order that
in order to
in orders
in ordinary
in orle
in other respects
in other ways
in other words
in our time
in outline
in ovo
in pain
in pais
in pale
in pantomime
in paradise
in parallel
in pari delicto
in part
in partibus
in particular
in partnership
in passage to
in passing
in pawn
in pectore
in pendentive
in penury
in peril
in perpetual remembrance
in perpetuity
in perpetuum
in person
in personam
in petto
in phase
in pieces
in place
in place of
in places
in plain English
in plain sight
in plain style
in plain terms
in plain view
in plain words
in play
in plenty
in point
in point of
in point of fact
in poor health
in poor taste
in port
in position
in posse
in possession of
in possession of your faculties
in possession of your senses
in posthaste
in power
in practice
in praesenti
in preference
in preference to
in prehistoric times
in preparation
in preparation for
in pretense
in principle
in print
in prison
in privacy
in private
in private conference
in privy
in process
in production
in profusion
in progress
in proper season
in proper time
in proportion
in propria persona
in prose
in prospect
in public
in public view
in purdah
in puris naturalibus
in pursuance of
in pursuit
in pursuit of
in quantities
in quantity
in quest of
in question
in quick succession
in rags
in range
in rapid succession
in rapport
in raptures
in re
in readiness
in ready state
in reality
in reason
in rebuttal
in receivership
in reciprocation
in recompense
in red letters
in reduced circumstances
in reference to
in regard to
in relation to
in relation with
in relief
in rem
in remembrance
in remembrance of
in remission
in repair
in reparation
in reply
in reprisal
in requital
in rerum natura
in reserve
in residence
in respect of
in respect that
in respect to
in response
in restitution
in retaliation
in retirement
in retreat
in retribution
in retrospect
in return
in revenge
in reverse
in reward
in rhythm
in rivalry
in rotation
in round numbers
in round terms
in ruins
in russet mantle clad
in rut
in sackcloth and ashes
in saecula saeculorum
in safety
in sail
in scorn
in search of
in season
in season and out of season
in seclusion
in secrecy
in secret
in secret meeting
in seed
in seeming
in seisin
in self-defense
in sequence
in series
in service
in session
in set form
in set phrases
in set terms
in seven-league boots
in seventh heaven
in shape
in shards
in shelter
in shore
in short
in short order
in short supply
in shorthand
in shreds
in sickness and in health
in sight
in silence
in single file
in sinu Abraham
in situ
in slavery
in slow motion
in slow tempo
in small doses
in smitereens
in snatches
in so far
in so far as
in so many words
in society
in solido
in solidum
in solitude
in solution
in some measure
in some place
in some such way
in some way
in some way or other
in sooth
in soundings
in spades
in spate
in specie
in spite
in spite of
in spite of yourself
in spitting distance
in sport
in spots
in statu quo
in step
in step with
in stir
in stock
in store
in straitened circumstances
in strict confidence
in strong relief
in stud
in style
in subjection
in substance
in succession
in such wise
in sum
in summary
in supply
in support of
in suspense
in suspension
in swaddling clothes
in swarms
in sync
in synchronization
in tails
in tatters
in tears
in tempo
in terror
in terrorem
in terrorem clause
in that
in that case
in that event
in that instance
in that neighborhood
in that place
in that vicinity
in that way
in the Christian Era
in the Common Era
in the absence of
in the abstract
in the act
in the act of
in the affirmative
in the aftermath
in the age of
in the aggregate
in the air
in the aisle
in the altogether
in the arms of Morpheus
in the ascendant
in the background
in the bag
in the balance
in the beginning
in the best taste
in the black
in the blood
in the bloom of youth
in the bosom of the lodge
in the bosom of your family
in the bud
in the buff
in the can
in the cannon's mouth
in the cards
in the care of
in the center of
in the chains
in the charge of
in the chips
in the circumstances
in the clear
in the clouds
in the clover
in the clutches
in the cold
in the contingency that
in the course of
in the course of business
in the course of things
in the course of time
in the cradle
in the crib
in the dark
in the dark of night
in the dead of night
in the depths
in the direction of
in the distance
in the doghouse
in the doldrums
in the doleful dumps
in the driver's seat
in the dumps
in the dust
in the era of
in the event of
in the event that
in the extreme
in the eye of the wind
in the eyes of
in the eyes of the law
in the face of
in the face of day
in the face of death
in the face of heaven
in the family way
in the field
in the fire
in the first place
in the flesh
in the flower of youth
in the forefront
in the foreground
in the fourth place
in the front
in the fullness of time
in the future
in the gaseous state
in the glare of publicity
in the good old days
in the grand style
in the grave
in the grave six feet under
in the groove
in the gross
in the gutter
in the habit of
in the hands of
in the heart
in the heat of passion
in the highest degree
in the hole
in the hopper
in the humor
in the immediate future
in the interest
in the interim
in the intervening time
in the jaws of death
in the know
in the land of Nod
in the land of the living
in the lap of Morpheus
in the large
in the latest mode
in the latest style
in the lead
in the light of
in the limelight
in the limits of
in the line of duty
in the long run
in the lump
in the main
in the majority
in the making
in the market
in the market for
in the marketplace
in the marts of trade
in the mass
in the matter of
in the mean
in the meantime
in the meanwhile
in the melting mood
in the memory of man
in the middle
in the middle of
in the middle of the road
in the midst of
in the midst of battle
in the mind
in the mode
in the money
in the mood
in the morning
in the name of
in the natural way of things
in the near future
in the negative
in the neighborhood
in the neighborhood of
in the news
in the nick of time
in the night
in the nursery
in the offing
in the old days
in the olden time
in the open
in the open air
in the opinion of
in the oven
in the past
in the pink
in the pink of condition
in the pipeline
in the place of
in the plenitude of power
in the presence of
in the process of
in the process of time
in the public eye
in the raw
in the rear
in the red
in the remote distance
in the right
in the rough
in the saddle
in the same boat
in the same breath
in the same category
in the same manner
in the same way as
in the same words
in the second instance
in the second place
in the secret
in the semblance of
in the sequel
in the service of
in the shade
in the shadow of a rock
in the singular
in the small
in the soup
in the spotlight
in the state of nature
in the stead of
in the sweet by-and-by
in the swim
in the teeth of
in the teeth of the wind
in the thick of
in the thick of combat
in the thick of the fray
in the third place
in the thoughts
in the time of
in the train of
in the twinkling of an eye
in the usual course
in the van
in the vein
in the very act
in the very grain
in the vicinity
in the vicinity of
in the wake of
in the way
in the white
in the whole wide world
in the wide world
in the wind
in the wind's eye
in the wings
in the womb of time
in the works
in the world
in the worst way
in the wrong
in the wrong box
in the wrong pew
in the wrong place
in the year of our Lord
in theory
in there with
in these days
in this day and age
in this place
in this vicinity
in this way
in those parts
in throngs
in time
in times gone by
in times past
in torment
in toto
in tow
in trans
in transit
in transit to
in transitu
in trim
in triplicate
in triumph
in trouble
in trust
in truth
in tune
in turn
in turns
in twain
in two
in two shakes
in two shakes of a lamb's tail
in two words
in uniformity with
in unison
in unison with
in use
in utero
in vacuo
in vain
in various places
in velvet
in very sooth
in very truth
in view
in view of
in view of the fact that
in vino veritas
in violation of law
in virtue of
in vitro
in vivo
in vogue
in want
in want of
in way of
in what condition
in what manner
in what period
in what place
in what way
in which place
in which time
in white tie and tails
in with
in wonder
in words of one syllable
in words to that effect
in working order
in writing
in years
in your armor
in your bad books
in your behalf
in your best bib and tucker
in your birthday suit
in your black books
in your book
in your books
in your charge
in your chest
in your clutches
in your control
in your cups
in your element
in your employ
in your estimation
in your eye
in your favor
in your good
in your good books
in your good graces
in your grasp
in your grip
in your hands
in your heart of hearts
in your inmost thoughts
in your opinion
in your own hand
in your own interest
in your own person
in your own right
in your own sweet way
in your own way
in your pay
in your place
in your pocket
in your possession
in your power
in your prime
in your right mind
in your second childhood
in your shell
in your shirt sleeves
in your shirt-sleeves
in your shoes
in your sleeve
in your sober senses
in your stead
in your stocking feet
in your teens
in your thinking
in your tracks
in-
in-and-in
in-and-out
in-and-out bond
in-and-outer
in-beaming
in-being
in-between
in-bond shop
in-book
in-breeding
in-built
in-calf
in-car
in-clearer
in-clearing
in-clerk
in-co-ordinate
in-co-ordinated
in-co-ordination
in-crowd
in-dimension
in-fighting
in-flight
in-flight refueling
in-flight refueling tanker
in-flight training
in-goal
in-going
in-group
in-house
in-knee
in-kneed
in-law
in-laws
in-lb
in-lean
in-line
in-line engine
in-lot
in-marriage
in-migrant
in-migrate
in-migration
in-off
in-patient
in-phase
in-plant
in-quarto
in-sail
in-service
in-service training
in-the-wool
in-to-out
in-toed
in-tray
inability to believe
inactive market
inactive stock
inactive war
inadequate personality
inalienable right
inanimate matter
inasmuch as
inaugural address
inauguration day
inboard profile
inboard-outboard motor
inboard-rigged
inborn aptitude
inborn capacity
inborn predisposition
inborn proclivity
inborn susceptibility
inborn tendency
incandescent body
incandescent electric lamp
incandescent lamp
incandescent light
incandescent lighting
incandescent mantle
incandescent point
incapable of
incapable of life
incarnations of
incasement theory
incendiary antiaircraft rocket
incendiary bomb
incendiary grenade
incendiary rocket
incense boat
incense burner
incense cedar
incense juniper
incense resin
incense shrub
incense tree
incense wood
incense-breathing
incense-breathing morn
incentive pay
incentive wage
inch along
inch by inch
inch forward
inch mast
inch of mercury
inch plant
inch rule
inch your way up
inch-deep
inch-high
inch-long
inch-pound
inch-thick
inch-ton
inch-wide
incidence wire
incident light
incident light meter
incident to
incidental information
incidental music
incidental note
incidental power
incidental remark
incidental to
inciso-
incisor foramen
incito-motor
inclination compass
inclination of the balance
inclination of the head
inclination to believe
inclinatory needle
incline an ear to
incline plane
incline the head
incline toward
incline towards
incline your ear
inclined engine
inclined plane
inclined railway
inclined to
inclined to believe
inclined to forget
inclined toward
inclined-plane clock
inclining toward
include in
include me out
include out
inclusion body
inclusion map
inclusion-exclusion
inclusive disjunction
inclusive of
inclusive or
inco-ordinate
inco-ordination
income account
income after deductions
income after taxes
income basis
income bond
income fund
income group
income sheet
income stock
income tax
income-tax
incoming population
incomplete antibody
incomplete fracture
incontestable clause
incontrovertible evidence
incorporated bar
incorporeal being
incorporeal entity
incorporeal hereditament
increase in size
increase of temperature
increase the chances
increase the temperature
increase twist
increment borer
incremental plotter
incremental recorder
incremental repetition
increscent moon
incriminate yourself
incriminating evidence
incubation patch
incubation period
incubator baby
incubator bird
incumbent on
incumbent upon
incur a debt
incur a responsibility
incur costs
incur danger
incur discredit
incur disesteem
incur disgrace
incur dishonor
incur expenses
incur loss
ind-
indanthrene blue
inde blue
indebted to
indecent assault
indecent exposure
indecent proposal
indefinite article
indefinite integral
indefinite number
indefinite pronoun
indefinite quantities
indefinite space
indelibly impressed
indelibly impressed on the mind
indelicate language
indemnity bond
indentured servant
independence day
independence of path
independent assortment
independent clause
independent of
independent of your will
independent school
independent variable
independent-seconds watch
independently rich
independently wealthy
indeterminacy principle
indeterminate sentence
index bar
index card
index center
index correction
index crank
index error
index expurgatorius
index finger
index forest
index fossil
index glass
index hand
index head
index mark
index notation
index number
index of refraction
index per cent
index pin
index plane
index plate
index sector
index set
index-linked
indi-
india ink
india paper
india rubber
india-rubber
indian club
indian corn
indian fig
indian file
indian giver
indian hemp
indian ink
indian licorice
indian meal
indian paintbrush
indian pipe
indian pudding
indian red
indian sign
indian summer
indian tobacco
indian turnip
indicated horsepower
indicating control switch
indicator card
indicator diagram
indicator plant
indicator telegraph
indicator tube
indices Librorum Prohibitorum
indicial equation
indignant displeasure
indignation meeting
indignation-proof
indigo auxiliary
indigo bird
indigo blue
indigo broom
indigo brown
indigo bunting
indigo bush
indigo carmine
indigo copper
indigo dyer
indigo extract
indigo finch
indigo grinder
indigo maker
indigo plant
indigo printing
indigo snake
indigo thorn
indigo weed
indigo white
indigo-bearing
indigo-bird
indigo-blue
indigo-dyed
indigo-grinding
indigo-plant
indigo-producing
indigo-white
indigo-yielding
indirect authority
indirect costs
indirect course
indirect discourse
indirect evidence
indirect infection
indirect initiative
indirect labor
indirect lighting
indirect object
indirect power
indirect primary
indirect proof
indirect question
indirect speech
indirect tax
indisposed to believe
indisposed to communicate
indisposed to talk
indisposition to speak
indisputable evidence
indisputable fact
indistinct speech
individual essence
individual identity
individual liberty
individual medley
individual psychology
individual responsibility
individual retirement account
individual speech competence
individual speech habits
individual speech performance
indo-
indo-aryan
indo-chinese
indo-european
indo-european languages
indo-german
indo-germanic
indo-hittite
indo-iranian
indoleacetic acid
indolebutyric acid
indomitable sea
indoor baseball
indoor-outdoor carpeting
indorse, indorsement
induced current
induced drag
induced radioactivity
induced topology
inductance coil
inductance factor
induction accelerator
induction balance
induction bridge
induction coil
induction compass
induction current
induction furnace
induction generator
induction hardening
induction heat
induction heater
induction heating
induction heating machine
induction instrument
induction machine
induction meter
induction motor
induction regulator
induction top
inductive capacity
inductive method
inductive reactance
inductive reasoning
inducto-
inductor alternator
inductor compass
inductor generator
indulge in
indulge in easy vices
indulge in wish-fulfillment
indulge with
indulge your appetite
indulge your appetites
indulge yourself
indurated clay
industrial action
industrial archaeology
industrial art
industrial arts
industrial chemistry
industrial design
industrial designer
industrial disease
industrial economy
industrial engineer
industrial engineering
industrial estate
industrial instrumentation
industrial insurance
industrial life insurance
industrial medicine
industrial park
industrial psychologist
industrial psychology
industrial relations
industrial revolution
industrial school
industrial store
industrial union
industrial worker
industrial zone
inequitable
inert gas
inertia ellipsoid
inertia governor
inertia selling
inertia transmission
inertia-reel seat-belt
inertial guidance
inertial guidance system
inertial mass
inertial navigation
inertial navigation system
inertial reference frame
inertial space
inertial system
inescapable fact
inevitable accident
inevitably narrative
inexpiable sin
inextensive deformation
infant prodigy
infant school
infant-school
infantile amnesia
infantile fixation
infantile paralysis
infantile sexuality
infantry combat
infantry tactics
infants' school
infants' wear
infatuated with
infection hypha
infection period
infection thread
infectional arthritis
infectious disease
infectious ectromelia
infectious granuloma
infectious hepatitis
infectious keratitis
infectious laryngotracheitis
infectious mononucleosis
infectious myxomatosis
inferior article
inferior court
inferior goods
inferior horse
inferior maxillary
inferior personality
inferior planet
inferiority complex
infernal machine
infernal pit
infernal regions
infero-
infield fly
infiltration gallery
infiltration vein
infinite baffle
infinite duration
infinite goodness
infinite integral
infinite justice
infinite love
infinite mercy
infinite power
infinite product
infinite regress
infinite series
infinite space
infinite spirit
infinite truth
infinite wisdom
infinitely continuous
infinitely extended
infinitesimal calculus
infinitive clause
infinitive marker
infinitive phrase
infinito-
infinito-absolute
infinito-infinitesimal
infinity plug
infirm of purpose
infirm of will
infirm old age
infirmity of age
infirmity of purpose
infirmity of will
inflame with love
inflammable material
inflammatory rheumatism
inflatable slide
inflate prices
inflationary gap
inflationary pressure
inflationary prices
inflationary spiral
inflationary trend
inflationist period
inflection of voice
inflection point
inflexible will
inflict a penalty on
inflict capital punishment
inflict on
inflict pain
inflict upon
influence machine
influence peddler
influence peddling
influence user
influential person
influential persons
inform against
inform on
informa pauperis
informal English
informal agreement
informal language
informal school
informal speech
informal standard speech
informal vote
information against
information center
information explosion
information machine
information media
information medium
information retrieval
information science
information storage
information theory
informatory double
informed in
informed of
informing gun
infra dig
infra dignitatem
infra indignitatem
infra praesidia
infra-
infra-anal
infra-angelic
infra-auricular
infra-axillary
infra-esophageal
infra-red
infra-umbilical
infrared beam projector
infrared broiler
infrared cooker
infrared gas and liquid analyzer
infrared heater
infrared lamp
infrared photography
infrared ray
infrared spectroscopy
infrared telescope
infrared therapy
infrarontgen ray
infringe a copyright
infringement of copyright
infuse life into
infusion process
infusorial earth
ingle cheek
ingle nook
ingle-bred
inglorious defeat
ingot chipper
ingot cutter
ingot forger
ingot heater
ingot iron
ingot lathe
ingot maker
ingot weigher
ingrained carpet
ingratiate yourself
ingratiate yourself with
inguino-
habitants of Pandemonium
inhalation tuberculosis
inhale snuff
inhale spasmodically
inharmonguous harmony
inhire in
inherent authority
inherent immunity
inherent power
inherent stability
inherent vice
inheritance factor
inheritance tax
inherited immunity
inhibit your desires
inhibiting antibody
initial rhyme
initial stability
initiation fee
inject in
inject yourself into
injection grid
injection method
injection-gneiss
injure your reputation
injury benefit
injury of your reputation
injury time
injury to your reputation
injury-proof
ink bag
ink ball
ink bell
ink black
ink bottle
ink bottleter
ink cap
ink cartridge
ink disease
ink eradicator
ink eraser
ink fountain
ink gall
ink grinder
ink in
ink knife
ink maker
ink malady
ink marble
ink mixer
ink mushroom
ink nut
ink pad
ink plant
ink printer
ink roller
ink sac
ink spiller
ink spilling
ink up
ink-berry
ink-black
ink-blurred
ink-cap
ink-carrying
ink-colored
ink-distributing
ink-dropping
ink-slab
ink-spotted
ink-stained
ink-wasting
ink-writing
ink-written
inkblot test
inkhorn term
inking bell
inking roller
inky cap
inky-black
inland bill
inland marine insurance
inland sea
inland waters
inlay graft
inlying picket
inmost heart
inmost mind
inmost recesses of the memory
inmost soul
inmost thoughts
inn of court
innate aptitude
innate idea
innate immunity
innate proclivity
innato-
inner arbiter
inner automorphism
inner bar
inner barrister
inner circle
inner city
inner ear
inner essence
inner form
inner jib
inner landscape
inner life
inner light
inner man
inner mechanism
inner mission
inner nature
inner planet
inner product
inner reality
inner recess
inner recesses of the heart
inner recesses of the mind
inner self
inner space
inner station
inner tube
inner workings
inner-city
inner-directed
inner-directed person
inner-directedness
inner-direction
innermost being
innermost recesses
innermost recesses of the heart
innerspring mattress
innocent as a lamb
innocent person
innocent tumor
innocent within
innominate artery
innominate bone
innominate vein
innovation-proof
ino-
inofficious testament
inofficious will
inordinate desire
inorganic chemical
inorganic chemistry
inorganic fertilizer
inorganic matter
inorganic substance
inorganized matter
inositol-hexaphosphoric
inositolhexaphosphoric acid
inp-
inpatient clinic
input conductance
input current
input data
input oscillation
input quantity
input resistance
input voltage
input-output analysis
input-output device
inquire after
inquire for
inquire into
inquire of
inquire onto
inquiring mind
inquiry agent
inquiry into
inquiry into first causes
ins and outs
insane asylum
insanity curing
insanity-proof
insatiable desire
inscribe in the memory
inscribe yourself
insculp'd upon
insect bed
insect flower
insect lime
insect orchis
inspire confidence
inspire hope
inspire respect
inspired leader
inspiriting force
inspiriting power
inspiriting principle
instability line
installment bond
installment buying
installment credit
installment loan
installment mortgage
installment plan
installment selling
instance court
instance side
instant replay
instantaneous sound pressure
instead of
instinct for
instinct with life
institute an inquiry
institute of technology
institution of higher learning
instruction card
instruction-proof
instrument board
instrument carrier
instrument flight
instrument flight rules
instrument flying
instrument in proof
instrument instrumentality
instrument lamp
instrument landing
instrument landing system
instrument light
instrument of execution
instrument of punishment
instrument of torture
instrument panel
instrument rocket
instrument servo
instrument transformer
instrumental conditioning
instrumental logic
instrumental music
instrumental score
instruments of
instruments of destruction
insubstantial image
insufficiency of the valves
insufficient funds
insulating tape
insulation resistance
insulin reaction
insulin shock
insulin shock therapy
insurance adjuster
insurance agent
insurance auditor
insurance broker
insurance canvasser
insurance clerk
insurance collector
insurance company
insurance examiner
insurance man
insurance messenger
insurance patrol
insurance policy
insurance reserve
insurance salesman
insurance solicitor
insurance tester
insurance traveler
insurance underwriter
insuring clause
insusceptible of change
intaglio printing
intaglio rilevato
intaglio rilievo
intake manifold
intake valve
intangible assets
integer vitae
integrable group
integral calculus
integral cover
integral curvature
integral curve
integral cylinder head
integral domain
integral equation
integral function
integral humanism
integral photography
integral test
integral unit
integral whole
integrated bar
integrated circuit
integrated data processor
integrated data processing
integrated personality
integrated system
integrating factor
integrating flowmeter
integrating ionization chamber
integration by parts
integration of personality
integrative power
intellectual acquirement
intellectual acquisition
intellectual attainment
intellectual childishness
intellectual climate
intellectual curiosity
intellectual elite
intellectual exercise
intellectual faculty
intellectual genius
intellectual gifts
intellectual grasp
intellectual immaturity
intellectual inertia
intellectual object
intellectual pleasure
intellectual power
intellectual prodigy
intellectual talents
intellectual weakness
intellectually childish
intellectually immature
intelligence agency
intelligence agent
intelligence bureau
intelligence department
intelligence office
intelligence officer
intelligence quotient
intelligence service
intelligence test
intelligence testing
intelligence work
intelligent being
intemperate person
intend to
intense cold
intense darkness
intense heat
intensity of illumination
intensity-modulated display
intensive care
intensive farming
intent on
intent upon
inter alia
inter alios
inter nos
inter se
inter vivos
inter-
inter-'varsity
inter-Allied
inter-American
inter-Andean
inter-European
inter-agent
inter-brain
inter-plane
inter-varsity
intercalary meristem
intercardinal point
interception radar
interchange of speech
interchange of views
interchangeable bond
intercommunication system
intercosmic space
interdict list
interdiction bombing
interdiction fire
interdisciplinary knowledge
interesse termini
interest group
interest in
interest inventory
interest lottery
interest payment
interest rate
interests of
interfacial tension
interfaith marriage
interfere with
interference color
interference drag
interference figure
interference fit
interference microscope
interference microscopy
interference pattern
interference phenomenon
interference spectrum
interference-proof
intergalactic distance
intergalactic matter
intergalactic space
interim bond
interim certificate
interim dividend
interior angle
interior ballistics
interior decorating
interior decoration
interior decorator
interior design
interior designer
interior drainage
interior man
interior mapping
interior monologue
interior paint
interior planet
interior point
interior polygon
interior side
interior slope
interior-sprung
interjection point
interlaced scanning
interlacing arcade
interlibrary loan
interline rate
interlinear translation
interlocking directorate
interlocking directorates
interlocutory decree
intermediate agent
internal-combustion engine
international Morse code
international agreement
international air mile
international alphabet flag
international angstrom
international bank
international banking
international candle
international carat
international date line
international fixed calendar
international law
international nautical mile
international numeral pennant
international organization
international pitch
international radio silence
international relations
international securities
international temperature scale
international unit
international-minded
internment camp
interno-
internuncial neuron
interpersonal theory
interplanetary explorer
interplanetary rocket
interplanetary space
interplanetary travel
interpretation clause
interpretation of dreams
interpretative dance
interpretive semantics
interquartile range
interracial marriage
interrogation mark
interrogation point
interrogator-respon sor
interrupted cadence
interrupted fern
interrupted screw
interrupted sequence
intersecting arcade
intersection locus
intersection of minds
interstate highway
interstellar distance
interstellar space
interstitial irradiation therapy
intertidal zone
interval of convergence
interval operation
interval training
intervening space
intervertebral disc
intervertebral disk
intervertebral substance
intestinal digestion
intestinal flora
intestinal fortitude
intestinal juice
intimate acquaintance
intimate borrowing
intimate friend
intimate friendship
intimate with
intimately related
into arrears
into commission
into high gear
into irons
into it
into question
into the background
into the bargain
into the dust
into the ground
into the past
into the shoes of
into the wind
into the wind's eye
into thin air
into with both feet
into your hands
intolerant person
intonation contour
intonation of voice
intonation pattern
intoxicating liquor
intra muros
intra vires
intra vitam
intra-abdominal
intra-abdominally
intra-acinous
intra-alveolar
intra-appendicular
intra-arachnoid
intra-arterial
intra-articular
intra-atomic
intra-atrial
intra-aural
intra-auricular
intra-mercurial
intra-urban
intra-urethral
intra-uterine
intra-vitam
intracranial cast
intracutaneous test
intransitive relation
intransitive verb
intrauterine device
intravenous drip
intravenous therapy
intrazonal soil
intrenching tool
intrinsic evidence
intrinsic factor
intrinsic semiconductor
intro-
introduce in
introduce new blood
introductory phrase
introductory study
intrusive rock
intuitional geometry
intuitive impression
intuitive knowledge
intuitive reason
invalid claim
invalid linking
invalid title
invalidity benefit
invariant subalgebra
inveigh against
inventory-clearance sale
inverse cosecant
inverse cosine
inverse cotangent
inverse feedback
inverse function
inverse geometry
inverse image
inverse peak voltage
inverse proportion
inverse ratio
inverse relationship
inverse secant
inverse sine
inverse square law
inverse tangent
inverse casting
inverse center
inverse point
inverse temperature
inverse transconductance
invert soap
invert sugar
inverted comma
inverted cross
inverted engine
inverted flight
inverted king post truss
inverted mordent
inverted normal loop
inverted pleat
inverted snob
inverted spin
inverted turn
invertible counterpoint
inverting telescope
invest in
invest with power
investigation into first causes
investigative agency
investigative bureau
investment bank
investment banker
investment banking
investment banking house
investment bill
investment broker
investment casting
investment company
investment credit
investment mold
investment reserve
investment securities
investment trust
investors on the sidelines
invisible balance
invisible glass
invisible hand
invisible helper
invisible ink
invisible painting
invisible radiation
invisible shadow
invitation to combat
invitational race
invite attention
invite ridicule
invocation of saints
invocatory plea
invocatory prayer
invoke benefits upon
involuntary cooperation
involuntary impulse
involuntary muscle
involuntary presence
involuntary servitude
involute teeth
involute-leaved
involutional melancholia
involutional psychosis
involve in
involve the interest
involve with
involve yourself
involved in
involved in debt
inward light
inward monitor
inward-bound
inward-flow turbine
io moth
io-
iod-
iodic acid
iodine absorption
iodine bush
iodine pentoxide
iodine scarlet
iodine value
iodine weed
iodo-
iodobehenic acid
ion chamber
ion counter
ion engine
ion exchange
ion propulsion
ion propulsior
ion rocket
ionic bond
ionic conduction
ionization chamber
ionization constant
ionization current
ionization gauge
ionization potential
ionizing event
ionizing radiation
ionospheric wave
iota subscript
ippecac spurge
ippi-appa
ipse dixit
ipsissima verba
ipsissimis verbis
ipso facto
ipso jure
ir-
irid-
iridescent seaweed
iridium black
irido-
iris blue
iris diaphragm
iris family
iris green
iris mauve
iris shutter
iris stop
iris-in
iris-out
irish bull
irish coffee
irish moss
irish setter
irish terrier
irish water spaniel
irish wolfhound
irish-gaelic
iron age
iron alum
iron ammonium oxalate
iron bacteria
iron blue
iron boot
iron brick
iron brown
iron buff
iron bullet
iron calker
iron carbide
iron carbonate
iron caster
iron cement
iron chloride
iron citrate
iron clay
iron coating
iron concrete
iron corer
iron crow
iron curtain
iron deficiency anemia
iron discharger
iron dog
iron family
iron filing
iron fitter
iron forger
iron founder
iron foundry
iron gang
iron glance
iron grass
iron gray
iron grey
iron grip
iron gum
iron hand
iron hat
iron heater
iron heel
iron horse
iron hydroxide
iron law of wages
iron liquor
iron loss
iron lung
iron maiden
iron maker
iron man
iron manufacturer
iron miner
iron mining
iron minium
iron mold
iron molder
iron nerves
iron oak
iron ore
iron out
iron oxide
iron perchloride
iron planer
iron plate
iron plater
iron prospector
iron protosulphate
iron puddler
iron putty
iron pyrites
iron ration
iron rations
iron red
iron roller
iron roofer
iron rust
iron sand
iron scale
iron scrap
iron shearer
iron sickness
iron sodium oxalate
iron spinel
iron sponge
iron stand
iron stretcher
iron sulfate
iron sulphate
iron sulphide
iron tree
iron trichloride
iron trimmer
iron vit
iron vitriol
iron will
iron yellow
iron-banded
iron-bark
iron-barred
iron-black
iron-blue dun
iron-blue spinner
iron-bound
iron-boweled
iron-braced
iron-branded
iron-burnt
iron-calked
iron-capped
iron-cased
iron-clenched
iron-coated
iron-colored
iron-core transformer
iron-cored
iron-curtain country
iron-enameled
iron-faced
iron-fastened
iron-forged
iron-founder
iron-free
iron-gloved
iron-grated
iron-gray
iron-grey
iron-guarded
iron-handed
iron-hard
iron-hearted
iron-heartedly
iron-heartedness
iron-heeled
iron-hooped
iron-jawed
iron-jointed
iron-knotted
iron-lined
iron-man
iron-marked
iron-mine
irradiation therapy
irrational number
irreducible and stubborn facts
irreducible content
irrefutable logic
irregular motion
irregular warfare
irrepressible optimist
irresistible force
irresistible impulse
irresolute person
irrespective of
irrigating shovel
irrigation ditch
irrigation engineer
irrigation engineering
irritable bowel syndrome
irritable heart
irritable man
irritable temper
irritation fever
irritation-proof
is-
is-it
isamine blue
isat-
ischemic heart disease
ischio-
ising-star
island arc
island base
island chain
island continent
island group
island myrtle
island of Langerhans
island of Reil
island universe
island-belted
island-born
island-contained
island-dotted
island-dweller
island-hop
island-strewn
island-studded
islet of Langerhans
islet of langerhans
islets of Langerhans
iso-
iso-octane
iso-osmotic
iso-urea
iso-uretine
iso-uric
isoamyl acetate
isoamyl benzoate
isoamyl benzyl ether
isoamyl group
isoamyl nitrite
isoamyl radical
isoamyl salicylate
isobaric line
isobutyl propionate
isoclinal line
isoclinic line
isocyanic acid
isocynano group
isocynano radical
isoelectric point
isoganal line
isogonal line
isogonic line
isoionic point
isolate yourself
isolating language
isolation booth
isolation hospital
isolation ward
isomagnetic line
isometric drawing
isometric exercises
isometric line
isometric projection
isonicotinic acid hydrazide
isophthalic acid
isopiestic line
isoplastic graft
isoporic line
isopropyl alcohol
isopropyl ether
isopropyl group
isopropyl meprobamate
isopropyl radical
isosceles triangle
isothermal line
isothermal process
isothermal region
isothiocyanate group
isothiocyanate radical
isotope therapy
isotopic isobar
isoxyllic acid
issue a blank check
issue a caveat
issue a command
issue a manifesto
issue a position paper
issue a prohibitory injunction
issue a statement
issue a white paper
issue a writ
issue an injunction
issue an injunction against
issue an invitation
issue an ultimatum
issue forth
issue from
issue par
issue price
issue securities
issue stock
issued capital stock
issuing company
isthmus of the fauces
it beats me
it beats the Dutch
it being provided
it can be supposed
it cannot be helped
it does not matter
it does not signify
it follows that
it has me guessing
it is all the same
it is certain
it is fated
it is for a fact
it is necessary
it is of no consequence
it is of no importance
it is proven
it is said
it is that
it is written
it makes no difference
it matters not
it may be
it might be thought
it must be
it must follow
it must have its way
it must needs be
it needs must be
it stands to reason
it will all come out in the wash
it will be
it would appear
it's God's will
it's Greek to me
it's all one to me
it's all the same to me
it's beyond me
it's in the cards
it's no go
it's too deep for me
ita-palm
itaconic acid
italian sonnet
italo-
itch for
itch for knowledge
itch louse
itch mite
itch to
itch tree
itching for
itching palm
itching to
itchwood tree
item by item
item of evidence
item on the agenda
item veto
itemized bill
iterated integral
its last legs
its way
itsy-bitsy
itsy-witsy
itty-bitty
iu-
ivied halls
ivory black
ivory bleacher
ivory board
ivory brown
ivory carver
ivory carving
ivory cutter
ivory engraver
ivory fluter
ivory gull
ivory hunter
ivory hunting
ivory nut
ivory palm
ivory paper
ivory plant
ivory plum
ivory polisher
ivory porcelain
ivory rounder
ivory slabber
ivory sorter
ivory thumper
ivory tickler
ivory tower
ivory tree
ivory yellow
ivory-backed
ivory-beaked
ivory-billed
ivory-billed woodpecker
ivory-black
ivory-bound
ivory-carving
ivory-faced
ivory-finished
ivory-hafted
ivory-handled
ivory-headed
ivory-hilted
ivory-studded
ivory-tinted
ivory-toned
ivory-tower
ivory-towered
ivory-towerish
ivory-towerishness
ivory-towerism
ivory-towerist
ivory-towerite
ivory-type
ivory-white
ivory-wristed
ivy League
ivy bush
ivy geranium
ivy green
ivy gum
ivy league
ivy tree
ivy vine
ivy-bush
ivy-green
j' y suis j' y reste
jaal goat
jaal-goat
jab at
jacaranda brown
jacitara palm
jack Mormon
jack afloat
jack arch
jack baker
jack bean
jack block
jack boot
jack bowl
jack chain
jack cheese
jack crosstree
jack crosstrees
jack crow
jack curlew
jack dog
jack field
jack frost
jack fruit
jack head
jack hern
jack in
jack johnson
jack ketch
jack ladder
jack lagging
jack lamp
jack lantern
jack light
jack line
jack mackerel
jack nicker
jack oak
jack of all trades
jack pigeon
jack pin
jack pine
jack pit
jack plane
jack plum
jack post
jack pot
jack press
jack rabbit
jack rafter
jack rib
jack rod
jack roll
jack rope
jack saddle
jack salmon
jack shave
jack spinner
jack spring
jack staff
jack stop
jack stretcher
jack stringer
jack timber
jack towel
jack tree
jack truss
jack up
jack worm
jack yard
jack-a-dandies
jack-a-dandy
jack-a-dandyism
jack-a-lent
jack-at-a-pinch
jack-boot
jack-booted
jack-boy
jack-by-the-hedge
jack-chain
jack-frame
jack-fruit
jack-in-a-box
jack-in-a-boxes
jack-in-office
jack-in-the-box
jack-in-the-boxes
jack-in-the-green
jack-in-the-pulpit
jack-in-the-pulpits
jack-knife
jack-line
jack-o’-lantern
jack-o-lantern
jack-of-all-trades
jack-plane
jack-pudding
jack-rabbit
jack-screw
jack-snipe
jack-spaniard
jack-staff
jack-stone
jack-straw
jack-tar
jack-yarder
jackal buzzard
jackass bark
jackass brig
jackass clover
jackass copal
jackass deer
jackass fish
jackass gunter
jackass hare
jackass kingfisher
jackass penguin
jackass rig
jackass-rigged
jackdaw in peacock's feathers
jacket crown
jackhead pit
jacking engine
jacking-up
jackknife clam
jackknife-fish
jackknife-fishes
jackleg lawyer
jackleg politician
jacko bush
jacks-of-all-trades
jackson day
jacky winter
jacob's ladder
jacob's membrane
jacob's staff
jacobean lily
jade green
jade plant
jade-green
jade-stone
jag bolt
jag spear
jag spike
jagged-toothed
jagger spring
jaggery palm
jagging iron
jaguar-man
jai alai
jail delivery
jail fever
jail-bird
jail-delivery
jail-fever
jake leg
jalee work
jam in
jam nut
jam riveter
jam session
jam through
jam up
jam weld
jam-full
jam-pack
jam-packed
jam-up
jamaica ginger
jamaica rum
jamais de la vie
jamb shaft
jambe de mouton
jamestown-weed
janca tree
jane doe
jane-of-apes
jangada fiber
jangada tree
jangle the nerves
jangled nerves
januis clausis
janus geminus
japan allspice
japan clover
japan drier
japan wax
japanese beetle
japanese iris
japanese millet
japanese mink
japanese persimmon
japanese plum
japanese quince
japanese spurge
japanic acid
jar on
jar upon the ear
jar with
jar-bird
jar-burial
jar-owl
jara-assu
jardin anglais
jardin chinois
jardin des plantes
jardins anglais
jardins chinois
jargon aphasia
jargon word
jarring of sounds
jasmine oil
jasmine tea
jasper gray
jasper green
jasper opal
jasper pink
jasper red
jasper ware
jato unit
jaundice berry
jaundice tree
jaundice-eyed
jaundiced eye
jaundiced yellow
jaunting car
jaunting-car
jaunty car
java man
java sparrow
javelin bat
javelin man
javelin throw
javelin thrower
javelin-man
javelle water
jaw bit
jaw clutch
jaw coupling
jaw crusher
jaw jerk
jaw lizard
jaw rope
jaw slide
jaw wrench
jaw’s-harp
jaw-bone
jaw-cracking
jaw-fall
jaw-fallen
jaw-locked
jaw-tied
jaw-twister
jaws of death
jay bird
jay blue
jay teal
jay-bird
jay-hawker
jay-tee
jazz band
jazz festival
jazz musician
jazz singer
jazz stick
jazz up
jazzed up
je ne sais quoi
je vous en prie
je vous remercie beaucoup
je-te
jealous-hood
jealous-pated
jealousy-proof
jecoric acid
jedding ax
jeep carrier
jeepers creepers
jeer at
jeer capstan
jefferson davis's birthday
jefferson day
jeffrey pine
jehovah's witnesses
jejun-
jejuno-colostomy
jejuno-ileostomy
jejuno-jejunostomy
jekyll and hyde
jell-o
jellied gasoline
jelly baby
jelly bag
jelly bean
jelly boiler
jelly doughnut
jelly egg
jelly lichen
jelly nut
jelly plant
jelly poke
jelly powder
jelly roll
jelly-fish
jennie harp
jenny ass
jenny cutthroat
jenny howlet
jenny scaffold
jenny winch
jenny wren
jenny yard
jeopardy assessment
jejurity bean
jejurity beans
jerboa kangaroo
jerboa mouse
jerboa rat
jerk back
jerk line
jerk off
jerk pump
jerk up
jerk-off
jerkin-head
jerking off
jerkinhead roof
jerkwater town
jerm-
jerry can
jerry hat
jerry shop
jerry-build
jerry-builder
jerry-building
jerry-built
jersey giant
jerusalem artichoke
jerusalem cherry
jerusalem cricket
jerusalem thorn
jest-book
jet airplane
jet black
jet blast
jet bomber
jet break
jet coal
jet condenser
jet d'eau
jet engine
jet engineer
jet engineering
jet exhaust
jet fighter
jet flight
jet fuel
jet injection
jet interrupter
jet jockey
jet lag
jet motor
jet pilot
jet pipe
jet plane
jet pod
jet power
jet propeller
jet propulsion
jet pump
jet rock
jet set
jet setter
jet stream
jet tanker
jet thrust
jet transport
jet wash
jet-assisted takeoff
jet-black
jet-enamelled ware
jet-pile
jet-propelled
jet-propulsion
jet-set
jet-setter
jeu d'esprit
jeu de mots
jeu de theatre
jeune fille
jeune premier
jeune premiere
jeunes filles
jeunes premiers
jeunesse dor
jeunesse doree
jeux d'esprit
jeux de mots
jew crows
jew down
jew nail
jew's harp
jew's-ear
jew's-harp
jew-fish
jewel block
jewel box
jewel case
jewel smuggling
jewel thief
jewel-block
jewel-bright
jewel-colored
jewel-enshrined
jewel-gleaming
jewel-headed
jewel-house
jewel-loving
jewel-proof
jewel-studded
jeweler's putty
jeweler's rouge
jewelers' putty
jewelers' rouge
jeweller's rouge
jewelry store
jewelweed family
jewish calendar
jews' harp
jews' stone
jews' trump
jib boom
jib cat
jib crane
jib door
jib guy
jib iron
jib martingale
jib netting
jib pole
jib sheet
jib stay
jib topsail
jib traveler
jib-boom
jib-door
jib-headed
jib-header
jib-o-jib
jibber jib
jibber the kibber
jibe all standing
jibe at
jig borer
jig brow
jig bushing
jig button
jig indicator
jig saw
jig-back
jig-drill
jig-file
jig-jig
jig-jog
jig-joggy
jig-saw
jigger boom
jigger flea
jigger mast
jigger pump
jigger saw
jigger weed
jiggery-pokery
jigog ring
jigsaw puzzle
jill-flirt
jim crow
jim crowism
jim dash
jim-crow
jim-dandy
jim-dandy peach
jim-jam
jimson weed
jimson-weed
jin ricksha
jingle bell
jingle shell
jingle stick
jingle-jangle
jingling John
jingling Johnny
jinny road
jitney driver
jiu-jitsu
jive talk
jnana-marga
jo-darter
job action
job analysis
job card
job case
job classification
job costing
job description
job font
job lot
job of work
job order
job press
job printer
job printing
job ticket
job type
job watch
job work
job's comforter
job's tears
job-order costing
jobbing printer
jock strap
jockey backstay
jockey bar
jockey boot
jockey box
jockey cap
jockey club
jockey coat
jockey gear
jockey pulley
jockey saddle
jockey weight
jockey wheel
jodhpur boot
jodhpur boots
jodhpur shoe
joe rocker
joe-pye weed
joey glass
jog along
jog on
jog the memory
jog trot
jog-jog
jog-trot
joggle beam
joggle piece
joggle plating
joggle post
joggling plank
john barleycorn
john bull
john doe
john dory
john hancock
john henry
john-a-nokes
john-a-stiles
john-apple
johnny cake
johnny house
johnny reb
johnny-cake
johnny-jump-up
johnny-on-the-spot
johnson grass
joie de vivre
join Maths
join battle
join battle with
join forces
join fortunes with
join hands
join hands with
join in
join in a conversation
join in fellowship
join in holy wedlock
join in marriage
join in the chorus
join issue
join issue upon
join the angels
join the choir invisible
join the great majority
join the majority
join the opposition
join the parade
join together
join up
join up with
join with
join your ancestors
join your fortunes with
join yourself to
join yourself with
join-
joiner bulkhead
joiner door
joiner hardware
joiner work
joining of forces
joining-hand
joint account
joint and last survivor annuity
joint bar
joint bond
joint box
joint chair
joint chairmanship
joint clay
joint committee
joint control
joint density function
joint discussion
joint effort
joint filler
joint fir
joint gap
joint grass
joint heir
joint hinge
joint ill
joint life annuity
joint life insurance
joint making
joint operation
joint operations
joint ownership
joint pin
joint rate
joint resolution
joint return
joint runner
joint rust
joint sensation
joint sense
joint session
joint snake
joint stock
joint stool
joint tenancy
joint wire
joint-bedded
joint-ring
joint-stock association
joint-stock company
joint-stockism
joint-stool
joint-tenant
joint-worm
jointer plane
jointing plane
joke with whiskers
joke writer
joking-relative
jolly bean
jolly boat
jolly fellow
jolly jumper
jolly roger
jolly-boat
jolt head
jolt-wagon
jolter-head
jonah crab
jonquil yellow
jook joint
jordan almond
joseph's coat
joshua tree
joss flower
joss house
joss paper
joss pidgin
joss stick
jostling of sounds
jot down
jour maigre
journal bearing
journal box
journal bronze
journal intime
journal turbine
journal voucher
journal-book
journalism school
journaux intimes
journey weight
journey's end
journey-work
journeyman work
jouvence blue
joy girl
joy powder
joy ride
joy rider
joy riding
joy stick
joy-bereft
joy-bright
joy-bringing
joy-deserted
joy-dispelling
joy-encompassed
joy-inspiring
joy-juice
joy-killer
joy-mixed
joy-rapt
joy-resounding
joy-ridden
joy-ride
joy-riding
joy-rode
joy-wrung
ju-jitsu
ju-ju
jubilant display
jubilee indulgence
judaeo-
judas hole
judas tree
judas window
judas-tree
judeo-spanish
judex ordinarius
judex pedaneus
judge advocate
judge advocate general
judge advocate general corps
judge advocate generals
judge advocates
judge advocates general
judge amiss
judge before the evidence is in
judge beforehand
judge delegate
judge not
judge of assize
judge ordinary
judge prematurely
judge's gown
judge's robe
judge-made
judged beforehand
judged prematurely
judges' rules
judgment book
judgment cap
judgment creditor
judgment day
jump a claim
jump a mile
jump aboard
jump about
jump all over
jump all over someone
jump area
jump at
jump at the bidding of
jump bail
jump ball
jump bid
jump dial
jump discontinuity
jump down your throat
jump frog
jump head
jump in
jump into
jump jet
jump joint
jump leads
jump line
jump off
jump on
jump on the bandwagon
jump out
jump out of your skin
jump over
jump pass
jump ring
jump rope
jump saw
jump scrape
jump seat
jump ship
jump shot
jump spark
jump stroke
jump suit
jump the gun
jump to a conclusion
jump to it
jump turn
jump up
jump weld
jump wire
jump-
jump-hop
jump-off
jump-shift
jump-spark coil
jump-start
jump-up
jumped-up
jumper cable
jumper lead
jumper sled
jumper stay
jumper wire
jumping bean
jumping disease
jumping jack
jumping mouse
jumping pain
jumping plant louse
jumping spider
jumping-off place
jumping-off-place
jumpy as a cat on a hot tin roof
junction box
junction transistor
juncture of events
june beetle
jungle ballot
jungle bear
jungle bendy
jungle bunny
jungle cat
jungle cock
jungle fever
jungle fowl
jungle geranium
jungle green
jungle gym
jungle hen
jungle juice
jungle ox
jungle rice
jungle rot
jungle sheep
jungle warfare
jungle-clad
jungle-covered
jungle-traveling
jungle-walking
jungle-worn
junior barister
junior chamber of commerce
junior college
junior common room
junior counsel
junior high
junior high school
junior leaguer
junior lightweight
junior middleweight
junior miss
junior officer
junior school
junior securities
junior varsity
junior welterweight
juniper bay
juniper berries
juniper berry
juniper cedar
juniper gum tree
juniper oil
juniper tree
juniper webworm
juniper-berry oil
juniper-tar oil
juniperic acid
junk bottle
junk collector
junk dealer
junk food
junk heap
junk jewelry
junk mail
junk peddler
junk ring
junk room
junk shop
junk yard
junk-bottle
jupiter's beard
jure divino
jure humano
juridical days
juristic act
juristic person
jury box
jury chancellor
jury fixing
jury list
jury mast
jury of inquest
jury of matrons
jury of the vicinage
jury of women
jury of your peers
jury panel
jury process
jury room
jury selection
jury skid
jury trial
jury wheel
jury-
jury-fixer
jury-mast
jury-packing
jury-rig
jury-rigged
jury-rigged expedient
jury-rigging
jury-shy
jury-squaring
jus canonicum
jus civile
jus commune
jus divinum
jus ecclesiasticum
jus gentium
jus inter gentes
jus naturae
jus naturale
jus postliminii
jus primae noctis
jus publicum
jus sanguinis
jus scriptum
jus soli
just a bit
just about
just across the street
just alike
just around the corner
just as predicted
just as you thought
just be
just being
just dandy
just deserts
just do
just enough
just expectation
just folks
just here
just imagine
just in case
just in time
just intonation
just know
just like one
just like that
just next door
just noticeable difference
just now
just once
just opposite
just out
just plain nuts
just right
just see
just so
just the opposite
just the other way
just the other way around
just the reverse
just the same
just then
just this once
just to be doing
just under the wire
just what the doctor ordered
juste-milieu
juste-milieux
justice box
justice court
justice in eyre
justice of assize
justice of the peace
justice seat
justice's warrant
justice-dealing
justice-loving
justice-proof
justice-slighting
justices in eyre
justifiable abortion
justifiable expectation
justifiable homicide
justification by faith
justification by works
justification space
justify hope
justify one in supposing
justifying space
justitia omnibus
jut out
jut over
jute board
jute butts
jute crusher
jute opener
jute tier
juvenal plumage
juvenile book
juvenile court
juvenile delinquency
juvenile delinquent
juvenile dictionary
juvenile editor
juvenile hormone
juvenile lead
juvenile officer
juxta-ampullar
juxta-articular
juxtapose in opposition
k ration
k'ai shu
k-meson
kA
kCi
kG
kHz
kJ
kMc
kOe
kV
kVA
kVAH
kVAr
kW
kWh
kangaroo rat
kangaroo thorn
kangaroo vine
kangaroo-rat
kans grass
kanya butter
kanya tree
kapok oil
kapok tree
kappa meson
karate expert
karma-marga
karri-tree
karroo bush
kary-
karyo-
kashgar tamarisk
kashmir goat
kat-
kata-
katabatic wind
katsura tree
kauri copal
kauri gum
kauri pine
kauri resin
kava gum
kaw-
kayo punch
keV
kedani fever
kedani mite
kedge anchor
kedge off
kedge-anchor
keekwilee-house
keel and keelson
keel arch
keel batten
keel line
keel over
keel petal
keel rail
keel rope
keel up
keel vessel
keel-boat
keel-bully
keep abreast of the times
keep account of
keep accounts
keep afloat
keep alert
keep alive
keep alive in your thoughts
keep aloof
keep aloof from
keep an account with
keep an ace up your sleeve
keep an ear to the ground
keep an eye on
keep an eye out for
keep an eye upon
keep an idea
keep an open house
keep an open mind
keep apart
keep as a nest egg
keep aside
keep at
keep at a distance
keep at a respectful distance
keep at arm's length
keep at bay
keep at it
keep at your beck and call
keep awake
keep away
keep away from
keep bachelor quarters
keep back
keep banker's hours
keep between us
keep body and soul together
keep books
keep both feet on the ground
keep busy
keep buttoned up
keep by one
keep calm
keep clear of
keep close
keep close to
keep coming
keep company
keep company with
keep cool
keep count of
keep dark
keep doggedly at
keep down
keep driving
keep everyone waiting
keep faith
keep faith with
keep fit
keep fresh
keep from
keep from harm
keep from laughing
keep from spreading
keep going
keep guard
keep hands off
keep her so
keep her steady
keep hidden
keep hold of
keep hold of the land
keep hope alive
keep hoping
keep house
keep in
keep in bounds
keep in check
keep in contact with
keep in countenance
keep in custody
keep in detention
keep in formation
keep in hand
keep in ignorance
keep in line
keep in memory
keep in mind
keep in order
keep in practice
keep in reserve
keep in sight
keep in step
keep in store
keep in suspense
keep in the background
keep in the dark
keep in the middle of the road
keep in the right path
keep in touch
keep in touch with
keep in view
keep in with
keep informed
keep intact
keep inviolate
keep it a deep
keep it under your hat
keep kosher
keep late hours
keep moving
keep mum
keep off
keep off and on
keep on
keep on good terms
keep on hand
keep on the go
keep on the safe side
keep open house
keep out
keep out of harm's way
keep out of mischief
keep out of sight
keep out of the way
keep out of the way of
keep pace with
keep pointed
keep posted
keep quiet
keep remote from
keep safe
keep score
keep secret
keep shady
keep silence
keep silent
keep snug
keep something for a rainy day
keep station
keep step
keep step with
keep still
keep subject
keep tab
keep tab on
keep tabs
keep tabs on
keep tally
keep the ball rolling
keep the change
keep the course
keep the door open
keep the ears on the ground
keep the ears to the ground
keep the even tenor of your way
keep the eyes upon
keep the faith
keep the field
keep the golden mean
keep the heading
keep the lid on
keep the memory alive
keep the peace
keep the pot boiling
keep the wolf from the door
keep the wound open
keep time
keep to
keep to the middle
keep to the middle path
keep to the middle way
keep to yourself
keep together
keep track of
keep troth
keep trying
keep under
keep under control
keep under cover
keep under lock and key
keep under observation
keep under wraps
keep under your thumb
keep up
keep up a correspondence
keep up a fast pace
keep up a killing pace
keep up appearances
keep up on
keep up the good work
keep up the memory of
keep up to date
keep up to standard
keep up with
keep up with the Joneses
keep up your courage
keep uppermost in your thought
keep vigil
keep watch
keep watch and ward
keep watch over
keep within
keep within bounds
keep within compass
keep within limits
keep within these walls
keep within your budget
keep within your means
keep you guessing
keep you on edge
keep you on pins and needles
keep you on tenterhooks
keep you posted
keep your chin up
keep your cool
keep your course
keep your distance
keep your ear to the ground
keep your ears open
keep your esthetic distance
keep your eye on the ball
keep your eye peeled
keep your eyes on the stars
keep your eyes open
keep your eyes peeled
keep your eyes skinned
keep your fingers crossed
keep your footing
keep your freedom
keep your hand in
keep your head
keep your head above water
keep your mouth shut
keep your nose out of this
keep your nose to the grindstone
keep your own counsel
keep your pecker up
keep your place
keep your powder dry
keep your promise
keep your shirt on
keep your spirits up
keep your sword in its sheath
keep your temper
keep your trap shut
keep your weather eye open
keep your word
keep your yap shut
keep yourself to yourself
keep yourself under control
keeper hook
keeper ring
keeping apart
keeping flocks and herds
keeping in
keeping in mind
keeping room
keeping secret
keeping-room
keg fig
keg spring
kei-apple
kekuna oil
kelp ash
kelp crab
kelp goose
kelp greenling
kelp gull
kelp hen
kelp pigeon
kelp plover
kelp raft
kemiri nut
kemp-haired
kendal green
kennel club
kennelly-heaviside layer
kenny method
keno goose
kent cap
kente cloth
kentucky coffee tree
kephalo-
kept down
kept in
kept in remembrance
kept in reserve
kept mistress
kept under
kept woman
ker-
kerat kamel
kerat-
kerato-
kerb drill
kerb market
kerb weight
kerb-stone
kerbstone market
kermes mineral
kermes oak
kern counter
kernel sentence
kernel smut
kernel spot
kerosene heater
kerosene stove
kerry blue terrier
kestner plant
ket-
ketch-rigged
keto form
keto-
keto-enol isomerism
keto-enol tautomerism
ketone alcohol
ketone body
ketone group
ketone radical
kettle base
kettle hat
kettle hole
kettle maker
kettle moraine
kettle net
kettle of fish
kettle stitch
kettle-bottom
kettle-bottomed
kettle-stitch
kew tree
kewpie doll
key bed
key bit
key block
key bolt
key bugle
key case
key chord
key club
key desk
key drift
key file
key flier
key frame
key fruit
key harp
key holder
key horizon
key industry
key line
key man
key money
key move
key of the Nile
key pad
key pattern
key pin
key pipe
key plate
key plug
key punch
key ring
key rocker
key scarf
key seat
key sentence
key signature
key size
key station
key stop
key to
key to the city
key tone
key trait
key trumpet
key up
key word
key-bugle
key-cold
key-drawing
key-note
key-seat rule
keyed up
keyed-up
keyhole limpet
keyhole saw
keyhole urchin
keyman insurance
keynote address
keynote speech
keystone joist
keystone sack
keyway caliper
keyway drill
kg-m
khaki bush
khaki campbell
khaki weed
khaki-clad
khaki-clothed
khaki-colored
khaki-hued
kheu tree
khus-khus
ki-yi
kiabooca wood
kick about
kick against
kick against the pricks
kick around
kick back
kick down the ladder
kick downstairs
kick in
kick in the teeth
kick off
kick off an attack
kick out
kick over
kick over the traces
kick plait
kick plate
kick pleat
kick start
kick starter
kick the air
kick the beam
kick the bucket
kick the clouds
kick the habit
kick the wind
kick turn
kick up
kick up a dust
kick up a hullabaloo
kick up a racket
kick up a row
kick up a shindy
kick up dust
kick up your heels
kick upstairs
kick wheel
kick you in the teeth
kick your habit
kick your heels
kick yourself
kick-about
kick-off
kick-sled
kick-start
kick-up
kickie-wickie
kicking coil
kicking downstairs
kicking out
kicking strap
kicking tackle
kicking upstairs
kicking-colt
kicking-horses
kicksey-winsey
kicksie-wicksie
kicksy-wicksy
kid along
kid around
kid brother
kid glove
kid gloves
kid out of
kid point
kid sister
kid stuff
kid yourself
kid-glove
kid-glove orange
kid-glove politics
kid-gloved
kid-skin
kiddie car
kidding around
kiddy car
kidney basin
kidney bean
kidney beans
kidney corpuscle
kidney cotton
kidney disease
kidney liverleaf
kidney machine
kidney oil
kidney ore
kidney pie
kidney stone
kidney transplant
kidney vetch
kidney worm
kidney-bean tree
kidney-leaved
kidney-shaped
kids' stuff
kikuyu grass
kill by inches
kill en masse
kill off
kill the fatted calf
kill the slain
kill time
kill two birds with one stone
kill with kindness
kill yourself
kill-
kill-courtesy
kill-cow
kill-crazy
kill-crazy animal
kill-devil
kill-joy
kill-kid
kill-time
kill-wart
killdeer plover
killed bowl
killed spirits
killed-virus vaccine
killer boat
killer whale
killer-diller
killing bottle
killing frost
killing ground
killing pace
killing site
killing time
killy hawk
kiln evaporator
kiln foreman
kiln run brick
kiln scum
kiln-burnt
kiln-dried
kiln-dry
kiln-drying
kilo-
kilo-oersted
kiloelectron volt
kilogram calorie
kilogram-calorie
kilogram-force
kilogram-meter
kilogramme-metre
kilovar-hour
kilovolt-ampere
kilovolt-ampere-hour
kilowatt-hour
kilt pleat
kim-kam
kimono sleeve
kind Nature's signal of retreat
kind deed
kind of
kind offices
kind regards
kind remembrances
kind words and comfortable
kind-hearted
kind-mannered
kindest regards
kindle down
kindling wood
kindly act
kindly disposition
kindly-disposed
kindred soul
kindred spirit
kinds of
kinematic pair
kinematic viscosity
kinesi-
kinesiologic
kinesiologic memory
kinetic art
kinetic energy
kinetic potential
kinetic theory
kinetic theory of gases
kinetic theory of heat
kinetic theory of matter
kineto-
king at arms
king auk
king ball
king bee
king bridge
king card
king carp
king closer
king closure
king clover
king cobra
king conch
king crab
king crow
king devil
king eagle
king eider
king fern
king james version
king leg
king lory
king mackerel
king monkey
king mullet
king nut
king of arms
king of beasts
king of the castle
king of the forest
king of the herrings
king of the hill
king of the mountain
king ortolan
king parakeet
king penguin
king plank
king plant
king post
king prawn
king quail
king rail
king rod
king row
king salmon
king size
king snake
king sora
king spoke
king tody
king truss
king vulture
king's English
king's bench
king's birthday
king's blue
king's colour
king's colours
king's counsel
king's english
king's evidence
king's evil
king's highway
king's man
king's pattern
king's peace
king's purple
king's ransom
king's scout
king's shilling
king's weather
king's yellow
king's-pawn openings
king-bird
king-bolt
king-crab
king-craft
king-cup
king-emperor
king-fish
king-hit
king-killer
king-maker
king-of-arms
king-of-the-herrings
king-of-the-salmon
king-piece
king-pin
king-post
king-post truss
king-ridden
king-size
king-size bed
king-sized
king-whiting
king-whitings
kingdom come
kingdom of God
kingdom of ends
kingdom of glory
kingdom of heaven
kingfisher daisy
kings-of-arms
kink in one's horn
kino gum
kinship group
kip down
kip-ft
kipper-nut
kippered herring
kippered salmon
kirby hook
kirk master
kirk session
kirk skail
kirk-shot
kim baby
kim cut
kislar aga
kiss and make up
kiss cheeks
kiss curl
kiss good-bye
kiss hands
kiss of death
kiss of life
kiss of peace
kiss off
kiss one's feet
kiss the book
kiss the hem of your garment
kiss the rod
kiss your ass
kite falcon
kite fighting
kite sausage
kite track
kite winder
kite-tailed
kite-wind
kited check
kith and kin
kitten moth
kitten-breeches
kitty-needy
kitty witch
kitty wren
kitty-cat
kitty-corner
kitty-cornered
kl-
kleig light
klept-
klieg eyes
klieg light
klook-klook
kn-
knap-bottle
knapsack sprayer
knave-child
kneaded butter
kneading-trough
knee action
knee bend
knee bone
knee brace
knee breeches
knee colter
knee cop
knee drill
knee drop
knee grass
knee guard
knee halter
knee holly
knee holm
knee jerk
knee joint
knee pants
knee pine
knee plate
knee puff
knee punch
knee rafter
knee roof
knee socks
knee strap
knee swell
knee timber
knee tool
knee viol
knee-bent
knee-bowed
knee-braced
knee-breeched
knee-cap
knee-crooking
knee-deep
knee-high
knee-high to a grasshopper
knee-hole
knee-joint
knee-jointed
knee-length
knee-pan
knee-shaking
knee-shaped
knee-sprung
knee-tied
knee-timber
knee-worn
kneed grass
kneel to
kneeling rafter
kneeling stool
knell-like
knick-knack
knife acacia
knife and fork
knife bar
knife bayonet
knife box
knife colter
knife edge
knife file
knife grass
knife grinder
knife key
knife lanyard
knife money
knife plait
knife plaiting
knife pleat
knife poised at your throat
knife rest
knife stone
knife switch
knife tool
knife-backed
knife-bladed
knife-board
knife-edge
knife-edged
knife-featured
knife-grinder
knife-handle
knife-jawed
knife-plaited
knife-point
knife-shaped
knife-stripped
knifing tool
knight adventure
knight bachelor
knight bachelors
knight banneret
knight baronet
knight commander
knight cross
knight errant
knight errantry
knight grand commander
knight grand cross
knight marshal
knight of columbus
knight of the pen
knight of the plume
knight of the post
knight of the quill
knight of the road
knight service
knight templar
knight's fee
knight's-spur
knight-adventurer
knight-errant
knight-errantries
knight-errantry
knight-errants
knight-head
knight-service
knighthood-errant
knightly skill
knights adventurers
knights bachelors
knights bannerets
knights baronets
knights commanders
knights grand commanders
knights grand cross
knights marshals
knights-errant
knit goods
knit the brow
knitting case
knitting machine
knitting needle
knitting pin
knitting sheath
knitting stick
knitting wire
knob celery
knob latch
knob lock
knob-billed
knob-nosed
knobbling fire
knobbling roll
knobcone pine
knock about
knock against
knock around
knock back
knock cold
knock dead
knock down
knock for a loop
knock galley-west
knock in
knock in the head
knock into a cocked hat
knock into your head
knock it off
knock off
knock on the head
knock on wood
knock out
knock out of the box
knock over
knock rummy
knock senseless
knock stiff
knock the bottom out of
knock the chip off your shoulder
knock the chocks
knock the chocks out from under
knock the props out from under
knock together
knock unconscious
knock under
knock up
knock you off your perch
knock your brains out
knock your eyes out
knock your head against
knock yourself out
knock-
knock-about
knock-down
knock-down-and-drag
knock-down-and-drag-out
knock-down-and-drag-out fight
knock-down-and-drag-out quarrel
knock-down-drag-out
knock-knee
knock-kneed
knock-knees
knock-me-down
knock-on
knock-out
knockeddown argument
knocked flat
knocked out
knocked silly
knocked up
knocked-down
knocker-off
knocker-up
knocking-shop
knockout blow
knockout drop
knockout drops
knol-khol
knop yarn
knot bindweed
knot clipper
knot gall
knot garden
knot porter
knot stitch
knot tier
knot-grass
knot-jointed
knot-jointed rice grass
knot-portering
knotgrass spurge
knotroot grass
knotted score
knotter bill
knotter hook
knotting bill
knotty pine
knotty point
knotty question
knotty rhatany
knotty-leaved
knotty-pated
knotweed spurge
know a hawk from a handsaw
know a little
know a thing or two
know a trick worth two of that
know again
know all the answers
know all the ins and outs
know all the moves of the game
know all the tricks
know all the tricks of the trade
know backwards
know backwards and forwards
know beforehand
know by heart
know by rote
know by sight
know damn well
know darn well
know down to the ground
know for certain
know from A to Z
know from alpha to omega
know from nothing
know from the ground up
know full well
know inside out
know instinctively
know it all
know it-all
know like a book
know like the back of your hand
know no bounds
know no end
know no wrong
know not
know not what
know nothing
know nothing of
know the
know the ropes
know the score
know the ways of the world
know well
know what it's all about
know what's what
know when you have had enough
know which is which
know your ass from your elbow
know your onions
know your own mind
know your stuff
know your way about
know-all
know-how
know-it-all
know-little
know-nothing
know-nothingism
know-nothingness
knowledge of the world
knowledge without reason
knowledge without thought
knowledge-gap
known as
known by every schoolboy
known by measurement
known by the name of
known quantity
knuckle ball
knuckle bow
knuckle down
knuckle down to
knuckle gear
knuckle gearing
knuckle guard
knuckle joint
knuckle line
knuckle molding
knuckle pin
knuckle post
knuckle timber
knuckle tip
knuckle to
knuckle tooth
knuckle under
knuckle under to
knuckle-bone
knuckle-deep
knuckle-duster
knuckle-dusters
knuckle-joint
knuckle-joint press
knuckle-kneed
knurl toe
ko-katana
koa finch
koda millet
koh-i-noor
koi-kopal
kok-saghyz
kokra wood
kokum butter
kokum oil
kol nidre
kola nut
kola tree
koloa mapu
koloa moha
komma-ichi-da
kona cyclone
kona storm
konker tree
koppel flute
kosam seeds
kosher soap
kosher wine
kottabos katakaos
kouso flower
kow-tow
kraft paper
kraft process
kraut grass
krebs cycle
krems lead
krenging hook
kriss kringle
kriya-sakti
kriya-shakti
krym-saghyz
kryo-
ku klux klan
ku kluxer
ku-klux
kudzu vine
kugel granite
kujira shaku
kung chih
kung chin
kung ching
kung fen
kung fu
kung-fu
kungu cake
kuo-yu
kuping tael
kurchee bark
kuroshio extension
kuroshio system
kurrof's salt
kuteera gum
kutira gum
kwe-bird
kyano-
kyrie eleison
l'istesso tempo
l'union fait la force
l-
l-arterenol
l-glucose
l-noradrenaline
l-norepinephrine
la carte
la grippe
la guerre
la mode
la patrie
la recherche du temps perdu
la ronde
la tene
la-de-da
la-di-da
la-la
laap insect
laap insects
label stop
labeled atom
labeled element
labia majora
labia minora
labial pipe
labio-
labium majus
labium minus
labium minus pudendi
labor against
labor and bring forth
labor bank
labor camp
labor caucus
labor contract
labor costs
labor day
labor exchange
labor force
labor in behalf of
labor in darkness
labor in vain
labor in your vocation
labor interests
labor lost
labor market
labor movement
labor of Sisyphus
labor of love
labor omnia vincit
labor organizer
labor pains
labor relations
labor room
labor spy
labor strike
labor the obvious
labor turnover
labor under
labor under a disadvantage
labor under a false impression
labor under difficulties
labor union
labor unionist
labor value theory
labor-saving
labor-saving device
laborare est orare
laboratory animal
laboratory apparatus
laboratory assistant
laboratory camera
laboratory chemist
laboratory course
laboratory diagnosis
laboratory equipment
laboratory experiment
laboratory method
laboratory microscope
laboratory school
laboratory table
laboratory technician
laboratory technique
laboratory test
laboratory work
laboratory worker
labored breathing
laboring man
laboring oar
labors of Hercules
labour camp
labour exchange
labour-saving
labrador retriever
labyrinth fish
labyrinth packing
lac dye
lac insect
lac lake
lac resin
lac resins
lac sulphuris
lac sumac
lac tree
lac virginis
lac wax
lace bug
lace coral
lace curtain
lace edging
lace fern
lace finisher
lace fly
lace glass
lace grass
lace into
lace lizard
lace maker
lace paper
lace piece
lace pigeon
lace pillow
lace plant
lace shoes
lace stitch
lace tree
lace trimming
lace up
lace vine
lace-bordered
lace-covered
lace-curtain
lace- curtained
lace-edged
lace-fern
lace-finishing
lace-fronted
lace-leaf
lace-leaves
lace-piece
lace- trimmed
lace- vine
lace-winged
lacerate the ear
lacerate the heart
lacertus fibrosus
lacewing fly
lachryma Christi
lachryma chris ti
lachrymal bone
lachrymatory gas
lacing course
lack force
lack in
lack of affect
lack of agreement
lack of appetite
lack of bite
lack of charisma
lack of charm
lack of claim
lack of color
lack of concord
lack of contact
lack of depth
lack of eagerness
lack of enthusiasm
lack of feeling
lack of feeling tone
lack of feelings
lack of finish
lack of food
lack of force
lack of foresight
lack of forethought
lack of hindrance
lack of incisiveness
lack of influence
lack of information
lack of integrity
lack of interest
lack of magnetism
lack of meaning
lack of message
lack of parallelism
lack of personality
lack of pleasure
lack of polish
lack of power
lack of preparation
lack of refinement
lack of respect
lack of self-confidence
lack of self-reliance
lack of sentimentality
lack of sheen
lack of sparkle
lack of title
lack of touch
lack of vision
lack of weight
lack of zeal
lack regularity
lack-all
lack-beard
lack-brain
lack-fettle
lack-latin
lack-learning
lack-linen
lack-love
lack-lustre
lack-pity
lacquer red
lacquer tree
lacquer ware
lacrim-
lacrimo- bone
duct
gland
lacrimal sac
lacrosse stick
lact-
lactate dehydrogenase
lacteal gland
lactic acid
lacto-
lactogenic hormone
lactose intolerance
lacunar amnesia
lacustrine dweller
dwelling
inhabitant
lad's love
ladder back
ladder beetle
ladder braid
ladder chain
company
jack
pipe
road
shell
stitch
tournament
track
truck
-back
chair
-backed
laden with doom
laden with significance
laden with sorrow
ladies’ fingers
ladies’ gallery
ladies’ man
ladies’ room
ladies’ wear
ladies’-tobacco
ladies’-tobaccoes
ladies’-tobaccos
ladies’-wear shop
ladies-in-waiting
ladies-of-the-night
ladies-tresses
ladle board
ladle out
lady apple
lady beetle
lady bountiful
lady bracken
lady brake
lady chair
lady chapel
lady court
lady crab
lady cracker
lady day
lady fair
lady fern
lady friend
lady grass
lady hair grass
lady killer
lady love
lady mayoress
lady of pleasure
lady of the bedchamber
lady of the evening
lady of the house
lady pea
lady superior
lady whin
lady woman
lady wrack
lady's bedstraw
lady's cushion
lady's finger
lady's glove
lady's laces
lady's maid
lady's man
lady's mantle
lady's slipper
lady's thumb
lady's traces
lady's-eardrop
lady's-mantle
lady's-slipper
lady's-smock
lady's-thistle
lady's-thumb
lady's-tresses
lady-bird
lady-cow
lady-fish
lady-help
lady-in-waiting
lady-killer
lady-killing
lady-love
lady-of-the-night
lady-slipper
lady-smock
ladybird beetle
laetare sunday
laevo-
lag b'omer
lag behind
lag bolt
lag fault
lag line
lag screw
lag-bed tractor
lager beer
laggen-gird
lagging load
lah-di-dah
laid aside
laid bare
laid batomne
laid deck
laid embroidery
laid low
laid off
laid on the shelf
laid paper
laid up
laid wool
laisser aller
laisser faire
laisser passer
laisser-aller
laisser-faire
laissez aller
laissez faire
laissez passer
laissez-aller
laissez-faire
laissez-faireism
laissez-passer
lait d'amandes
lake basin
lake bass
lake breeze
lake carp
lake chub
lake cress
lake duck
lake dweller
lake dwelling
lake fever
lake fly
lake front
lake herring
lake lawyer
lake minnow
lake of fire and brimstone
lake perch
lake perches
lake pitch
lake plover
lake salmon
lake shad
lake sheepshead
lake shore
lake sturgeon
lake trout
lake water cress
lake whitefish
lake-bound
lake-colored
lake-girt
lake-land
lake-moated
lake-reflected
lake-resounding
lake-surrounded
lakeland terrier
lamb down
lamb lily
lamb mint
lamb pie
lamb plant
lamb tail
lamb's ears
lamb's lettuce
lamb's tails
lamb's tongue
lamb's wool
lamb's-quarters
lamb's-wool
lamb-like
lambda particle
lambdoidal suture
lambent flame
lame and impotent conclusion
lame brains
lame duck
lame excuse
lame verses
lame-born
lame-brain
lame-footed
lame-horsed
lame-legged
lamell-
lamella roof
lamellar vector
lamelli-
lament for
lamin-
laminar flow
laminar-flow system
laminar-flow-control plane
laminated glass
laminated safety glass
laminated wood
lamini-
lamp bearer
lamp cage
lamp chimney
lamp fitter
lamp holder
lamp house
lamp jack
lamp maker
lamp oil
lamp oiler
lamp shade
lamp shell
lamp socket
lamp standart
lamp trimmer
lamp-bearing
lamp-bedecked
lamp-black
lamp-blown
lamp-decked
lamp-foot
lamp-heated
lamp-hour
lamp-iron
lamp-lined
lamp-oil
lamp-post
lamp-warmed
lamper eel
lamper-eel
lamprey eel
lampro-
lana dye
lance bucket
lance corporal
lance head
lance of courtesy
lance rest
lance sergeant
lance snake
lance tooth
lance-acuminated
lance-breaking
lance-fashion
lance-headed snake
lance-jack
lance-knight
lance-leaved
lance-linear
lance-oblong
lance-oval
lance-ovate
lance-pierced
lance-shaped
lance-worn
lancet arch
lancet architecture
lancet clock
lancet fish
lancet window
lancinating pain
land agency
land agent
land bank
land battleship
land board
land breeze
land bridge
land broker
land caltrop
land certificate
land chain
land cod
land crab
land crake
land cress
land crocodile
land drake
land dreadnought
land dredge
land end
land fast
land flowing with milk and honey
land force
land forces
land girl
land grant
land hunger
land lane
land law
land lead
land league
land leech
land line
land mail
land measure
land mile
land mine
land of Nod
land of Prester John
land of dreams
land of enchantment
land of faerie
land of heart's desire
land of milk and honey
land of plenty
land of promise
land of the gods
land office
land on
land on like a ton of bricks
land on your feet
land otter
land patent
land pike
land pirate
land pitch
land plaster
land power
land rail
land rat
land reform
land rock
land scale
land scrip
land scurvy
land seal
land service
land settlement
land shark
land side
land snail
land sole
land spring
land station
land steward
land surveyor
land tax
land tenure
land tie
land tortoise
land trash
land trust
land up
land urchin
land warfare
land warrant
land wheel
land wind
land with
land yard
land-bank
land-born
land-bred
land-breeze
land-cast
land-crab
land-damn
land-devouring
land-eating
land-flood
land-gavel
land-girt
land-grabber
land-grabbing
land-grant bond
land-grant college
land-grant road
land-holder
land-horse
land-hungry
land-law
land-leaper
land-line
land-loper
land-lubber
land-measure
land-mere
land-meter
land-metster
land-obsessed
land-office business
land-poor
land-rat
land-rover
land-service
land-sheltered
land-side
land-slater
land-spring
land-surrounded
land-surveying
land-tag
land-tax
land-taxer
land-tie
land-value
land-visiting
land-water
land-wind
landed estate
landed gentry
landed interests
landed person
landed property
landfall light
landfall mark
landing angle
landing beach
landing beam
landing card
landing chair
landing clerk
landing craft
landing crew
landing deck
landing edge
landing field
landing flap
landing force
landing gear
landing light
landing lights
landing line
landing net
landing pad
landing party
landing pattern
landing place
landing run
landing ship
landing signalman
landing skis
landing speed
landing stage
landing strake
landing strip
landing surveyor
landing tee
landing waiter
landing wire
landing-direction light
landing-place
landing-waiter
landlocked salmon
landlocked water
landmark beacon
landmark decision
landscape architect
landscape architecture
landscape gardener
landscape gardening
landscape marble
landscape mirror
landscape painting
landslide victory
lane route
lane snapper
lang lay
lang syne
lang-kail
langrage shot
langrel shot
language arts
language laboratory
language study
language style
langue d'o
langue d'oc
langue d'oil
langue de boeuf
langue de chat
langues de boeuf
languish for
lank-bellied
lank-blown
lank-cheeked
lank-eared
lank-haired
lank-jawed
lank-lean
lank-sided
lank-winged
lantern bellows
lantern carrier
lantern clock
lantern fish
lantern flounder
lantern fly
lantern gear
lantern gurnard
lantern jack
lantern jaw
lantern jaws
lantern keg
lantern light
lantern lily
lantern pinion
lantern ring
lantern shell
lantern slide
lantern sprat
lantern tree
lantern wheel
lantern-jawed
lanthanide series
lanyard knot
lap box coupling
lap dissolve
lap dog
lap dovetail
lap dovetail joint
lap dovetailing
lap game
lap joint
lap link
lap microphone
lap of honour
lap of luxury
lap over
lap pack
lap plate
lap ring
lap riveting
lap robe
lap shaver
lap siding
lap table
lap up
lap weld
lap winding
lap-butted
lap-chart
lap-dog
lap-jointed
lap-lap
lap-love
lap-rivet
lap-streak
laparo-
laparo-uterotomy
laparotomy pack
lapel button
lapel microphone
lapel mike
lapel pin
lapidary bee
lapidary mill
lapis lazuli
lapis lazuli blue
lapis lazuli ware
lapp owl
lapped joint
lapped-butt joint
lappet caterpillar
lappet loom
lappet moth
lappet weaving
lappet wheel
lapse back
lapse from grace
lapse into
lapse into disorder
lapse of memory
lapse of time
lapse rate
lapsed from grace
lapsed nature
lapsed state
lapsus calami
lapsus linguae
lapsus memoriae
lapwing gull
larboard watch
larch agaric
larch canker
larch pine
larch sawfly
larch turpentine
lard compound
lard insect
lard oil
lard pig
lard refiner
lard stearin
lard stone
lard type
lard-assed
lardaceous degeneration
larder beetle
lardy cake
lardy-dardy
lares and penates
lares compitales
lares familiaris
lares permarini
lares praestites
lares viales
large amount
large animal
large as life
large black
large calorie
large cane
large cranberry
large heart
large intestine
large meal
large number
large order
large periwinkle
large person
large size
large sum
large thing
large white
large-acred
large-ankled
large-bayed
large-billed
large-bodied
large-boned
large-bore
large-bracted
large-browed
large-built
large-caliber
large-celled
large-crowned
large-diameter
large-drawn
large-eared
large-eyed
large-finned
large-flowered
large-footed
large-framed
large-fronded
large-fruit ed
large-grained
large-grown
large-handed
large-handedness
large-headed
large-heart ed
large-hearted
large-heartedness
large-hipped
large-horned
large-leaved
large-leaved cucumber tree
large-lettered
large-limbed
large-looking
large-lunged
large-minded
large-mind edly
large-mindedness
large-molded
large-natured
large-necked
large-nostrilled
large-petaled
large-rayed
large-scale
large-scaled
large-size
large-sized
large-souled
large-spaced
large-stomached
large-tailed
large-thoughted
large-throated
large-toothed
large-trunked
large-type
large-utteranced
large-viewed
large-wheeled
large-wristed
largemouth bass
larger than life
lariat loop
larixinic acid
lark bunting
lark finch
lark plover
lark sparrow
lark-colored
lark-heel
lark-heeled
larspur violet
larum-bell
larval epilepsy
larval plague
larvi-
laryng-
laryngeal epilepsy
laryngis stridulus
laryngo-
laser photography
laser surgery
lash and carry
lash and tie
lash back
lash comb
lash into
lash into a frenzy
lash into a fury
lash into fury
lash line
lash out
lash out at
lash rail
lash the waves
lash up
lash-up
lasso cell
lasso harness
last act
last agony
last breath
last dab
last days
last debt
last ditch
last duty
last expedient
last extremity
last forever
last gasp
last home
last honors
last inning
last lap
last lick
last long
last maker
last making
last marin
last mile
last minute
last muster
last name
last off the mark
last offices
last out
last post
last quarter
last resort
last resource
last rest
last rites
last round
last roundup
last service
last shift
last sleep
last stage
last stop
last straw
last stroke
last supper
last survivor annuity
last thing
last things
last touch
last trumpet
last will and testament
last word
last word, the
last words
last-born
last-cited
last-cyclic
last-ditch
last-ditch fight
last-ditcher
last-erected
last-in
last-in first-out
last-made
last-mentioned
last-minute
last-minute lie
last-named
last-stage-free
lasting fame
lasting friendship
latch bolt
latch circuit
latch locking
latch needle
latch on
latch onto
latch-key
latch-string
latchkey child
late arrival
late blight
late bloomer
late developer
late greek
late hour
late in the day
late lamented
late latin
late off the mark
late riser
late wood
late-begun
late-betrayed
late-blooming
late-born
late-built
late-coined
late-come
late-comer
late-cruising
late-disturbed
late-embarked
late-filled
late-flowering
late-found
late-imprisoned
late-kissed
late-lamented
late-lingering
late-lost
late-met
late-model
late-protracted
late-ripening
late-sacked
late-taken
late-transformed
late-type star
late-wake
late-won
lateen sail
lateen-rigged
latency period
latent content
latent epilepsy
latent heat
latent image
latent learning
latent meaning
latent meaningfulness
latent period
latent strabismus
latent syphilis
latent violence
later than
later time
latera recta
lateral axis
lateral canal
lateral chain
lateral circuit
lateral drift
lateral fissure
lateral line
lateral line system
lateral lisp
lateral magnification
lateral meristem
lateral moraine
lateral pass
lateral plane
lateral resistance
lateral stability
lateral system
lateral tangent arc
lateral thinking
lateri-
latero-
latest fad
latest fashion
latest thing
latest thing, the
latest wrinkle
latest-born
latex paint
latex paper
lath and plaster
lath brick
lath cutter
lath maker
lath making
lath nail
lath nailer
lath puncher
lath splitter
lath tier
lath trimmer
lath-backed
lath-legged
lathe chuck
lathe-bore
lather up
lathered up
lathering up
lathing hammer
lathing hatchet
lati-
latin cross
latin quarter
latin square
latissimi dorsi
latissimus dorsi
latitude and longitude
latitude sailing
latrine lawyer
latrine rumor
latter end
latter-day
latter-day saint
lattice bar
lattice beam
lattice bridge
lattice girder
lattice moss
lattice plant
lattice stitch
lattice strut
lattice truss
lattice-leaf
lattice-leaves
lattice-plant family
lattice-window
lattice-work
latus rectum
lau lau
laudator temporis acti
laugh at
laugh away
laugh down
laugh fit to burst
laugh fit to bust
laugh in
laugh in your beard
laugh in your face
laugh in your sleeve
laugh it up
laugh off
laugh on the other
laugh out of court
laugh outright
laugh to scorn
laugh up
laugh up your sleeve
laugh yourself limp
laugh yourself sick
laugh yourself silly
laughing academy
laughing gas
laughing gull
laughing hyena
laughing jackass
laughing muscle
laughing stock
laughing-stock
laughter holding both his sides
laughter-dimpled
laughter-lighted
laughter-lit
laughter-loving
laughter-provoking
laughter-stirring
launch a holy war on
launch a vendetta
launch an attack
launch forth
launch into
launch into eternity
launch out against
launch pad
launch upon
launch vehicle
launch window
launch-ways
launched into eternity
launching base
launching gear
launching mortar
launching pad
launching platform
launching rack
launching ramp
launching shoe
launching tower
launching tube
launching vehicle
launching way
launching ways
laundry cart
laundry room
laundry soap
laurel bay
laurel butter
laurel camphor
laurel cherry
laurel family
laurel green
laurel hawthorn
laurel oak
laurel oil
laurel pink
laurel sumac
laurel thyme
laurel-bearing
laurel-browed
laurel-crowned
laurel-decked
laurel-leaf
laurel-leaf oil
laurel-leaved
laurel-locked
laurel-worthy
law of Dulong and Petit
law of Malus
law of action and reaction
law of additivity
law of additive pressures
law of averages
law of conservation of charge
law of conservation of energy
law of conservation of mass
law of contradiction
law of cosines
law of definite composition
law of definite proportions
law of equivalent retaliation
law of excluded middle
law of exponents
law of general application
law of gravitation
law of identity
law of large numbers
law of mass action
law of moses
law of motion
law of multiple proportion
law of multiple proportions
law of nations
law of nature
law of parity
law of parsimony
law of partial pressures
law of reflection
law of refraction
law of retaliation
law of sines
law of succession
law of the domicile
law of the forum
law of the jungle
law of the land
law of the mean
law of the place
law of thermodynamics
law of thought
law of trichotomy
law of universal gravitation
law office
law officer
law sakes
law school
law stationer
law term
law, the
law-abiding
law-abidingness
law-beaten
law-book
law-borrow
law-breaker
law-bred
law-condemned
law-day
law-fettered
law-hand
law-honest
law-learned
law-learnedness
law-loving
law-magnifying
law-maker
law-merchant
law-reckoning
law-revering
law-ridden
law-stationer
law-worthy
lawful authority
lawful possession
lawless person
lawn billiards
lawn bowling
lawn cart
lawn chair
lawn grass
lawn green
lawn meet
lawn mower
lawn party
lawn pennywort
lawn sleeves
lawn tennis
lawn-roller
lawn-sleeved
lawn-tennis
lawn-tractor
lawyer bush
lawyer cane
lawyer palm
lawyer reference
lawyer vine
lax stewardship
lax-flowered
lay a course
lay a course for
lay a duty on
lay a false scent
lay a fart
lay a hand on
lay a heavy hand on
lay a plot
lay a trap for
lay a wager
lay a wet blanket on
lay abbot
lay aboard
lay about
lay about one
lay aloft
lay an egg
lay an embargo on
lay analyst
lay anchor
lay aside
lay at
lay at the door of
lay at your door
lay at your feet
lay away
lay away from
lay baptism
lay bare
lay before
lay before the public
lay blame upon
lay board
lay boat
lay brother
lay by
lay by the heels
lay chalice
lay charges
lay claim to
lay clerk
lay close
lay close
lay day
lay days
lay down
lay down a plan
lay down the law
lay down your arms
lay down your tools
lay eggs
lay elder
lay emphasis upon
lay eyes on
lay fee
lay figure
lay flat
lay for
lay forward etc
lay ghosts
lay hands on
lay heads together
lay hold of
lay in
lay in a stock
lay in a store
lay in a supply
lay in provisions
lay in ruins
lay in store
lay in the earth
lay in the grave
lay in the lap of the gods
lay in the scales
lay intermediary
lay into
lay it on
lay it on the line
lay it on thick
lay it on with a trowel
lay judge
lay level
lay level with the ground
lay lord
lay low
lay me down to sleep
lay money on
lay of the land
lay of the land, the
lay off
lay off from
lay on
lay on a color
lay on color
lay on one
lay on the line
lay on the rack
lay on the table
lay one's hand on
lay open
lay out
lay out a course
lay out money
lay out on
lay over
lay plans
lay reader
lay shaft
lay siege to
lay sister
lay stress upon
lay the ax to the root of
lay the blame on
lay the dust
lay the first stone
lay the foundation
lay the groundwork
lay the land
lay to
lay to heart
lay to rest
lay to the oars
lay to your charge
lay to your door
lay together
lay under an interdict
lay under an interdiction
lay under restraint
lay under the sod
lay up
lay up a store
lay up for
lay upon
lay vicar
lay violent hands on
lay wait
lay wait for
lay waste
lay your cards on the table
lay your course for
lay your finger on
lay your fingers on
lay your hands on
lay your money down
lay your shoulder to the wheel
lay yourself open
lay yourself open to
lay yourself out
lay-by
lay-day
lay-down
lay-fee
lay-land
lay-man
lay-minded
lay-off
lay-on
lay-out
lay-over
lay-shaft
lay-up
layaway plan
layer board
layer cake
layer tint
layer-on
layer-out
layer-over
layer-up
layers-out
laying bare
laying duck
laying of charges
laying on
laying on of hands
laying open
laying over
laying press
laying top
laying waste
layout chart
lazar house
lazar-house
lazuli bunting
lazy Susan
lazy bar
lazy crab
lazy daisy stitch
lazy eight
lazy eye
lazy guy
lazy halyard
lazy jack
lazy painter
lazy person
lazy stream
lazy susan
lazy tack
lazy tongs
lb ap
lb av
lb t
le dernier cri
le drapeau tricolore
le genre humain
le pas
le premier pas
le roi est mort vive le roi
le roi le veut
le sport
le style c'est l'homme
le tout ensemble
lea oak
lea rig
lea-land
lea-rig
lead a charmed life
lead a cloistered life
lead a dog's life
lead a retired life
lead acetate
lead acid cell
lead an easy life
lead arming
lead arsenate
lead ash
lead astray
lead azide
lead back
lead block
lead bullion
lead by the nose
lead captive
lead carbonate
lead chloride
lead chromate
lead colic
lead color
lead curve
lead dioxide
lead foil
lead glass
lead glaze
lead gray
lead into captivity
lead item
lead line
lead mill
lead mining
lead monoxide
lead nitrate
lead ocher
lead off
lead on
lead one a dance
lead one a merry chase
lead out
lead oxide
lead oxychloride
lead palsy
lead pencil
lead peroxide
lead pilot
lead pipe cinch
lead poisoning
lead rammer
lead role
lead runner
lead screw
lead sheet
lead singer
lead soap
lead someone a chase
lead spar
lead sulphate
lead sulphide
lead tetraethyl
lead the dance
lead the mind astray
lead the way
lead time
lead to
lead to believe
lead to the altar
lead tolerance
lead track
lead tree
lead up
lead up the garden path
lead up to
lead vinegar
lead vitriol
lead weed
lead white
lead you a chase
lead you a pretty dance
lead you to
lead you to expect
lead you to gather
lead you up the garden path
lead-acid battery
lead-blue
lead-burn
lead-burned
lead-burner
lead-burning
lead-chamber process
lead-clad
lead-coated
lead-colored
lead-covered
lead-encased
lead-filled
lead-free gas
lead-gray
lead-hardening
lead-headed
lead-in
lead-in wire
lead-lapped
lead-lead
lead-lined
lead-melting
lead-off
lead-pipe cinch
lead-pulverizing
lead-ruled
lead-sheathed
lead-smelting
lead-tempering
lead-up
leaded bronze
leaded glass
leaden flycatcher
leaden-blue
leaden-colored
leaden-eyed
leaden-footed
leaden-headed
leaden-heeled
leaden-hued
leaden-natured
leaden-paced
leaden-skulled
leaden-soled
leaden-souled
leaden-spirited
leaden-thoughted
leaden-weighted
leaden-willed
leaden-winged
leaden-witted
leader block
leader cable
leader head
leader of fashion
leader of men
leader of the opposition
leader pipe
leader writer
leading aircraftman
leading article
leading bar
leading block
leading card
leading coefficient
leading edge
leading her mother
leading idea
leading lady
leading light
leading man
leading mark
leading note
leading question
leading reins
leading strings
leading to
leading tone
leading wheel
leading wind
leading wire
leading woman
leadpipe cinch
leaf beet
leaf beetle
leaf bite
leaf blade
leaf blender
leaf blight
leaf blotch
leaf bud
leaf bug
leaf coral
leaf curl
leaf cutting
leaf fall
leaf fat
leaf gold
leaf green
leaf insect
leaf lard
leaf lettuce
leaf metal
leaf metals
leaf miner
leaf mold
leaf monkey
leaf mould
leaf mustard
leaf out
leaf picker
leaf roll
leaf roller
leaf rust
leaf scald
leaf sight
leaf sorter
leaf spot
leaf spring
leaf stripper
leaf through
leaf warbler
leaf-bearing
leaf-clad
leaf-climber
leaf-climbing
leaf-curl fungus
leaf-cutter
leaf-cutting ant
leaf-cutting bee
leaf-eared
leaf-eating
leaf-footed
leaf-forming
leaf-fringed
leaf-gold
leaf-hopper
leaf-laden
leaf-lard
leaf-nose
leaf-nosed
leaf-nosed bat
leaf-shaded
leaf-shaped
leaf-sheltered
leaf-strewn
leafcutter ant
leafcutter bee
leafy-stemmed
league together
league with
leaguer lass
leak away
leak in
leak out
leakage coefficient
leakage conductance
leakage conductor
leakage flux
leaking purse
leaky wave-guide antenna
lean and hungry look
lean as a rake
lean limbed
lean on
lean on a broken reed
lean on it
lean over
lean over backward
lean over backwards
lean toward
lean towards
lean upon
lean-cheeked
lean-eared
lean-face
lean-faced
lean-fleshed
lean-headed
lean-horned
lean-jawed
lean-limbed
lean-looking
lean-minded
lean-necked
lean-ribbed
lean-souled
lean-to
lean-to roof
lean-to tent
lean-tos
lean-witted
leaning thread
leaning toward
leaning tower
leap before you look
leap day
leap in the dark
leap into the breach
leap like a startled gazelle
leap over
leap over the wall
leap to the eye
leap up
leap year
leap-frog
leaping head
leaping spider
leaping weir
lear board
learn a lesson
learn about
learn all about
learn by doing
learn by experience
learn by heart
learn by rote
learn from
learn the ins and outs
learn the ropes
learn to live in your own skin
learn verbatim
learn word for word
learned clerk
learned man
learned profession
learner's permit
learning by heart
lease and release
lease out
lease rod
lease system
lease-back
lease-lend
lease-pardle
lease-purchase
leasehold insurance
leasehold mortgage
least bittern
least common denominator
least common multiple
least flycatcher
least killifish
least of all
least sandpiper
least shrew
least significant digit
least squares
least upper bound
least weasel
leather beetle
leather brown
leather carp
leather cloth
leather dresser
leather enameler
leather fern
leather goods
leather goods store
leather jack
leather maker
leather paper
leather star
leather-backed
leather-bound
leather-colored
leather-covered
leather-cushioned
leather-cutting
leather-faced
leather-hard
leather-headed
leather-jacket
leather-lined
leather-lunged
leather-necked
leather-winged
leatherback turtle
leathery turtle
leave a loose thread
leave alone
leave an aching void
leave be
leave behind
leave flat
leave flatfooted
leave go
leave half-done
leave holding the bag
leave home
leave in
leave in the dark
leave in the lurch
leave it to one
leave it to you
leave looking
leave loose ends
leave no avenue unexplored
leave no chance
leave no escape
leave no loose ends
leave no option
leave no room for error
leave no stone unturned
leave no trace
leave no void
leave not a rack behind
leave nothing hanging
leave nothing to chance
leave nothing to say
leave nothing undone
leave of absence
leave off
leave out
leave out in the cold
leave out nothing
leave out of account
leave out of your calculation
leave over
leave remaining
leave standing
leave taking
leave the atmosphere
leave the beaten path
leave the country
leave the door open
leave the earth behind
leave the ground
leave the nest
leave the scene
leave the stage
leave the straight and narrow
leave the way open
leave things as they are
leave to chance
leave to luck
leave to your own devices
leave to yourself
leave unavenged
leave undone
leave unsatisfied
leave well enough alone
leave word
leave you cold
leave you to gather
leave your card
leave your mark
leave yourself wide open
leave-taking
leaving aside
leaving life
leaving much to chance
leaving no room for error
leaving no stone unturned
leaving out
leaving out nothing
leaving the earth behind
leaving the ground
lebbek tree
lechosos opal
lecture hall
lecture room
lecture-demonstration
led astray
led by the nose
led captain
led farm
ledge stone
ledged door
ledgement table
ledger bait
ledger bark
ledger beam
ledger blade
ledger board
ledger line
ledger paper
ledger plate
ledger strip
ledger tackle
ledger-book
ledum camphor
lee anchor
lee gauge
lee helm
lee sheet
lee shore
lee side
lee tack
lee tide
lee wave
lee wheel
lee wheelsman
lee's birthday
lee-board
lee-bow
lee-way
leech line
leech rope
leech worm
leech-book
leek green
leek-green
leer at
leering look
leeward tide
left a mile behind
left bank
left bower
left field
left fielder
left five degrees rudder
left full rudder
left half rudder
left hand
left handsomely
left heart
left of center
left out
left out in the cold
left pedro
left rudder
left side
left stage
left standard rudder
left ten degrees rudder
left undone
left wing
left winger
left-bank
left-brained
left-eyed
left-eyed flounder
left-eyedness
left-foot
left-footed
left-footedness
left-footer
left-hand
left-hand buoy
left-hand dagger
left-hand engine
left-hand side
left-handed
left-handed compliment
left-handed marriage
left-handedly
left-handedness
left-hander
left-handiness
left-laid
left-lay
left-legged
left-leggedness
left-luggage office
left-off
left-over
left-sided
left-wing
left-wing extremism
left-wing extremist
left-winger
left-wingish
left-wingism
left-eye flounder
leg armor
leg art
leg bail
leg band
leg before
leg before wicket
leg boot
leg break
leg bye
leg drop
leg hit
leg iron
leg it
leg man
leg of lamb
leg of mutton
leg show
leg stump
leg to stand on
leg trap
leg up
leg viol
leg-bail
leg-break
leg-breaker
leg-harness
leg-iron
leg-o'-mutton
leg-of-mutton
leg-of-mutton sail
leg-of-mutton spanker
leg-pull
leg-puller
leg-weary
legacy duty
legal action
legal adviser
legal age
legal agreement
legal aid
legal aid association
legal aid society
legal argument
legal assessor
legal authority
legal bucketing
legal cap
legal case
legal chemistry
legal claim
legal contract
legal counsellor
legal counselor
legal decision
legal document
legal estate
legal ethics
legal evidence
legal expert
legal fiction
legal flaw
legal form
legal geology
legal heir
legal holiday
legal inability
legal incapacity
legal instrument
legal irregularity
legal jointure
legal medicine
legal murder
legal order
legal paper
legal plea
legal possession
legal power
legal practitioner
legal proceedings
legal process
legal profession
legal remedy
legal reserve
legal restraint
legal right
legal right of use
legal rights
legal science
legal securities
legal separation
legal statement
legal summons
legal system
legal tender
legal tribunal
legal weight
legal-size paper
legal-tender note
legalis homo
legally separated
leger line
lehorn straw
legion of honor
legion of merit
legionary ant
legislative assembly
legislative bill
legislative body
legislative caucus
legislative chamber
legislative clause
legislative council
legislative immunity
legislative investigation
legislative lobby
legislative motion
legislative procedure
legislative veto
legitimate drama
legitimate portion
legitimate stage
legitimate succession
legitimate theater
le-geo-literary
lei day
leio-
leip-
leisure class
leisure suit
leisurely gait
leikai salmon
lem-
lemming mouse
lemon balm
lemon cheese
lemon chrome
lemon cucumber
lemon day lily
lemon drop
lemon geranium
lemon grass
lemon kali
lemon lily
lemon mint
lemon oil
lemon scurvy grass
lemon sole
lemon squash
lemon squeezer
lemon verbena
lemon vine
lemon yellow
lemon-color
lemon-colored
lemon-faced
lemon-flavored
lemon-grass oil
lemon-green
lemon-scented
lemon-scented gum
lemon-tinted
lemon-yellow
lemonade sumac
lend a color to
lend a hand
lend a helping hand
lend a willing ear
lend an ear
lend an ear to
lend one aid
lend substance to
lend support
lend wings to
lend your backing to
lend your countenance to
lend your favor to
lend your name to
lend your offices
lend your support to
lend yourself to
lend-lease
lend-leased
lend-leasing
lending at interest
lending institution
lending library
length and breadth
length between perpendiculars
length of time
length over all
lengthen out
leni-lenape
leno brocade
leno weave
lens cell
lens cover
lens hood
lens maker
lens making
lens opening
lens screen
lens turret
lens-mount
lens-shaped
lent lily
lenticular cloud
lenticular nucleus
lenticular process
lenticular truss
lenticulo-optic
lentil cut
lentil tare
lentil weevil
leonine partnership
leonine rhyme
leontiasis ossea
leopard cat
leopard flower
leopard frog
leopard lily
leopard lionne
leopard lizard
leopard moth
leopard seal
leopard's bane
leopard's spots
leopard's-bane
leopard-man
leper house
lepid-
lepidi-
lepra arabum
lepto-
lepto-form
lepto-type
lepton number
lerp insects
lese majesty
lese-majesty
less advanced
less and less
less semitone
less than
less than no time
lesser Bairam
lesser Ionic
lesser anteater
lesser bear
lesser celandine
lesser dog
lesser doxology
lesser litany
lesser multangular bone
lesser nobility
lesser omentum
lesser panda
lesser star grass
lesser weever
lesser wintergreen
lesser yellowlegs
let 'em have it
let a fart
let alone
let be
let blood
let bygones be bygones
let dangle
let daylight in
let down
let down easy
let down your defenses
let down your guard
let down your side
let drive
let drive at
let drop
let fall
let fall into desuetude
let fall into disuse
let fall the shadow of mine eyes
let flow through your fingers
let fly
let fly at
let get around
let get by
let get past
let go
let go by
let go by default
let go free
let go the anchor
let go with
let go your own way
let have
let have it
let her out
let in
let in on
let in on the know
let in to
let into
let into the secret
let it all hang out
let it be understood
let it go
let it have its way
let it pass
let it stand
let it take its course
let know
let loose
let loose of
let money be no object
let next to
let off
let off a shot at
let off steam
let on
let on like
let or hindrance
let out
let out on bail
let pass
let ride
let rip
let sleeping dogs lie
let slide
let slip
let slip the dogs of war
let slip through your fingers
let someone have it
let take its course
let the air out of
let the cat out of the bag
let the devil take the hindmost
let the matter stand
let the mind lie fallow
let the portcullis down
let the wound heal
let things take their course
let tomorrow take care of itself
let up
let up on
let well enough alone
let wind
let you go at will
let you have his head
let you have your own way
let you off easy
let you off this time
let your angry passions rise
let your attention wander
let your breath out
let your hair down
let your imagination riot
let your imagination run riot
let your imagination run wild
let your light shine
let your mind wander
let your thoughts wander
let your voice be heard
let your wits go bird's nesting
let yourself go
let yourself in for
let-alone
let-alone doctrine
let-alone policy
let-alone principle
let-off
let-out
let-pass
let-up
lethal blow
lethal chamber
lethal dose
lethal factor
lethal gene
lethargic encephalitis
lethargic hypnosis
letter avocatory
letter bag
letter board
letter bomb
letter book
letter box
letter card
letter carrier
letter carver
letter caster
letter cutter
letter drop
letter engraver
letter file
letter founding
letter foundry
letter from Uncle Sam
letter hand
letter learning
letter lichen
letter messenger
letter missive
letter name
letter of advice
letter of credence
letter of credit
letter of delegation
letter of introduction
letter of marque
letter of marque and reprisal
letter paper
letter plant
letter porter
letter post
letter press
letter scales
letter sheet
letter sorter
letter stamper
letter stock
letter telegram
letter weigher
letter writer
letter writing
letter-bound
letter-card
letter-copying
letter-duplicating
letter-erasing
letter-fed
letter-folding
levi facias
levée en masse
level as a plain
level at
level crossing
level curve
level curves
level head
level instrument
level land
level landing
level line
level of stress
level off
level pegging
level plane
level premium
level staff
level surfaces
level with
level-coil
level-headed
level-headedness
level-jawed
level-off
level-wind
leveling head
leveling instrument
leveling rod
leveling screw
leveling stand
leveling support
levelling screw
levels of meaning
lever action
lever engine
lever escapement
lever pilot
lever safety valve
lever scales
lever shears
lever tumbler
lever watch
lever-action
lever-action rifle
levin bolt
levin brand
levo camphor
liberal-mindedness
liberty abused
liberty boat
liberty bodice
liberty cap
liberty green
liberty hall
liberty horse
liberty in tranquillity
liberty of speech
liberty of the press
liberty pole
liberty ship
liberty tea
liberty tree
libidinal energy
libido arrest
libido fixation
libra mayor
library binding
library card
library case
library catalog
library director
library edition
library paste
library school
library science
library steps
library table
libration in latitude
libration in longitude
libration of the moon
libretto-writing
license bond
license fee
license plate
license tax
licensed pilot
licensed practical nurse
licensed victualer
lich bird
lich fowl
lich gate
lich owl
lich path
lich stone
lich-gate
lich-house
lich-owl
lichen fungus
lichen green
lichen islandicus
lichen primus
lichen tropicus
lichen-clad
lichen-crusted
lichen-grown
lichen-laden
lichenic acid
lick into shape
lick of work
lick one's shoes
lick the dust
lick the feet of
lick the plate
lick the platter
lick to a frazzle
lick your ass
lick your boots
lick your chops
lick your shoes
lick your wounds
lick-dish
lick-finger
lick-foot
lick-ladle
lick-platter
lick-spigot
lick-spittle
licker-in
lickety-brindle
lickety-cut
lickety-split
licking disease
licking stone
licorice fern
licorice powder
licorice root
licorice stick
licorice sugar
licorice vetch
licorice vine
licorice weed
lid cell
lid slit
lidless eye
lidless vigil
lie a course
lie across
lie ahead
lie ahull
lie along
lie along the shore
lie around
lie at the heart
lie at the root of
lie at your door
lie athwart
lie back on your record
lie beam on to the seas
lie beneath
lie by
lie close
lie close to the wind
lie detector
lie doggo
lie dormant
lie down
lie down and roll over for
lie down on the job
lie fallow
lie flat
lie flatly
lie hard upon
lie heavy
lie heavy upon
lie hid
lie hidden
lie idle
lie in
lie in Abraham's bosom
lie in ambush
lie in state
lie in the grave
lie in wait
lie in wait for
lie in your course
lie in your power
lie in your throat
lie like a trooper
lie limply
lie low
lie near the wind
lie of the land
lie off
lie off the land
lie on
lie on a level
lie on a level with
lie on the shelf
lie on the surface
lie on your back
lie on your face
lie on your head
lie opposite
lie out of
lie over
lie prone
lie prostrate
lie snug
lie still
lie supine
lie through your teeth
lie to
lie under
lie under a necessity
lie under an obligation
lie under the surface
lie up
lie upon
lie upon your oars
lie with
lie-abed
lie-by
lie-bys
lie-down
lied form
lieder singer
liege lord
liege man
liege pustie
liege subject
liege woman
liege-manship
lieno-
lieu commun
lieue marine
lieutenant colonel
lieutenant commander
lieutenant general
lieutenant governor
lieutenant junior grade
lieutenant-colonelcy
lieutenant-general
lieutenant-governorship
life after death
life and letters
life annuity
life arrow
life assurance
life belt
life beyond the grave
life breath
life buoy
life car
life cast
life cycle
life essence
life estate
life expectancy
life float
life force
life guard
life hangs by a thread
life history
life instinct
life insurance
life interest
life jacket
life line
life mask
life member
life net
life of Riley
life of Riley, the
life of ease
life of riley
life of the party
life peer
life plant
life preserver
life principle
life process
life raft
life records
life ring
life rocket
life savings
life science
life seen through a temperament
life sentence
life size
life space
life span
life story
life style
life table
life to come
life upon the larger scale
life vest
life zone
life's duration
life's guide
life's work
life-abhorring
life-and-death
life-and-death struggle
life-bearing
life-beaten
life-begetting
life-bereft
life-blood
life-breathing
life-bringing
life-consuming
life-creating
life-crowded
life-deserted
life-destroying
life-devouring
life-diffusing
life-ending
life-enriching
life-force
life-giver
life-giving
life-guard
life-guardsman
life-hugging
life-infatuate
life-infusing
life-invigorating
life-lengthened
life-like
life-lorn
life-lost
life-maintaining
lift pump
lift ram
lift ratio
lift span
lift temporarily
lift tenter
lift the curtain on
lift the hat
lift the veil
lift truck
lift up
lift up the eyes
lift up the heart
lift up the voice
lift valve
lift van
lift wall
lift wire
lift your hand against
lift your voice
lift-drag ratio
lift-off
lift-off hinge
lift-slab
lifter rod
lifting body
lifting bolt
lifting bridge
lifting day
lifting eye
lifting foot
lifting head
lifting irons
lifting jack
lifting plan
lifting plate
lifting pump
lifting sail
lig-by
ligamentum nuchae
light adaptation
light air
light and shade
light and shade surface
light artillery
light as a feather
light as air
light as any wind that blows
light as day
light as gossamer
light baffle
light battery
light beer
light bob
light bomber
light box
light bread
light breeze
light bridge
light bulb
light colonel
light comedian
light comedy
light cream
light cruiser
light curve
light displacement
light draft
light dragoon
light engine
light equation
light face
light filter
light fingers
light fixture
light flyweight
light globe
light gunmetal
light harmony
light harness
light headed
light heart
light heavyweight
light holder
light holders
light horse
light horseman
light housekeeping
light infantryman
light into
light line
light load line
light lock
light lunch
light machine gun
light magnesia
light meal
light measure
light meat
light metals
light meter
light middleweight
light mineral
light mineral oil
light music
light of day
light of heel
light of love
light of your eye
light of your life
light oil
light on
light opera
light out
light pen
light plot
light purse
light quantum
light railroad
light reaction
light red
light repast
light shield
light show
light sleep
light socket
light source
light texture
light the fuse
light the way
light touch
light tower
light transport
light trap
light treatment
light unit
light up
light upon
light valve
light verse
light weight
light welterweight
light whiskey
light wind
light wine
light year
light-adapted
light-armed
light-beam telephone
light-bearded
light-bellied
light-blue
light-bluish
light-bob
light-bodied
light-borne
light-bounding
light-brained
light-built
light-causing
light-century
light-charged
light-cheap
light-clad
light-colored
light-complexioned
light-creating
light-diffusing
light-disposed
light-drab
light-draft
light-embroidered
light-faced
light-fast
light-fingered
light-fingered gentry
light-fingeredness
light-foot
light-footed
light-footedly
light-footedness
light-gilded
light-giving
light-grasp
light-grasping
light-gray
light-green
light-haired
light-handed
light-handedly
light-handedness
light-harnessed
light-hating
light-headed
light-headedly
light-headedness
light-hearted
light-heartedly
light-heartedness
light-heeled
light-horseman
light-horsemen
light-hued
light-intensity control
light-intensity indicator
light-leaved
light-legged
light-limbed
light-loaded
light-locked
light-marching
light-minded
light-mindedly
light-mindedness
light-o’-love
light-o’love
light-of-love
light-pervious
light-poised
light-producing
light-proof
light-reactive
light-refracting
light-refractive
light-robed
light-rooted
light-rootedness
light-scattering
light-sensitive
light-skinned
light-skirts
light-spirited
light-spreading
light-struck
light-thoughted
light-timbered
light-tongued
light-tongued
light-treaded
light-veined
light-waved
light-weight
light-winged
light-witted
light-year
light-years
light-yellow
lighten one of
lightening hole
lighter discharger
lighter staff
lighter than air
lighter than vanity
lighter-than-air
lighter-than-air aviation
lighter-than-air craft
lighthouse clock
lighthouse coffeepot
lighthouse keeper
lighthouse tube
lighting off
lighting up
lighting-up time
lightish-blue
lightly touching
lightning arrester
lightning attack
lightning beetle
lightning bug
lightning conductor
lightning discharge
lightning express
lightning file
lightning gods
lightning pains
lightning protector
lightning rod
lightning saw
lightning speed
lightning stone
lightning switch
lightning tooth
lightning tube
lightning war
lightning-like
lights out
lights-out
lign-
lign-aloes
lignaloe oil
ligni-
ligninsulphonic acid
lignite wax
ligno-
lignosulphonic acid
lignum aloes
lignum vitae
ligulate-flowered
liguli-
like Niobe
like Swiss cheese
like a bat out of hell
like a blue streak
like a bolt from the blue
like a book
like a bulldog
like a coward
like a drowned rat
like a fish out of water
like a flash
like a furnace
like a horse in a mill
like a house afire
like a lamb
like a leech
like a lord
like a man
like a prune
like a scared rabbit
like a shot
like a shot out of hell
like a soldier
like a streak
like a streak of lightning
like a thief in the night
like a thunderbolt
like a thunderclap
like a trooper
like all creation
like all forty
like all get-out
like an oven
like anything
like as not
like best
like better
like blazes
like buckets in a well
like cats and dogs
like clockwork
like crazy
like dough
like enough
like figures
like for like
like fun
like fury
like grains of sand
like greased lightning
like hell I will
like it is
like lightning
like mad
like new
like no other
like nothing
like one possessed
like parchment
like putty
like putty in your hands
like sardines in a can
like shooting fish in a barrel
like sin
like sixty
like so
like sweet bells jangled
like taking candy from a baby
like that
like the rock of Gibraltar
like this
like to
like two drops of water
like water
like wax
like wildfire
like---but oh how different
like-eyed
like-fashioned
like-featured
like-looking
like-made
like-minded
like-mindedly
like-mindedness
like-natured
like-persuaded
like-sex
like-shaped
like-sized
liked to
likely lad
likely story
likely to
liken to
likes of
lilac gray
lilac mildew
lilac-banded
lilac-blue
lilac-colored
lilac-flowered
lilac-headed
lilac-mauve
lilac-pink
lilac-purple
lilac-tinted
lilac-violet
lilies of the valley
lilly-low
lilly-pilly
lily bell
lily bellflower
lily bind
lily family
lily flower
lily grass
lily green
lily iron
lily leek
lily liver
lily of the valley
lily pad
lily palm
lily pink
lily thorn
lily-cheeked
lily-clear
lily-cradled
lily-crowned
lily-fingered
lily-flower
lily-liver
lily-livered
lily-liveredness
lily-paved
lily-pot
lily-robed
lily-shaped
lily-shining
lily-tongued
lily-trotter
lily-white
lily-whiteness
lily-wristed
lima bean
limb-meal
limber as a dishrag
limber board
limber chest
limber hole
limber pine
limber rope
limber up
limber-neck
limber-twig pine
limbic lobe
limbic system
limbo patrum
limbs of Satan
lime anthracnose
lime boi
lime buffer
lime burner
lime epidote
lime feldspar
lime glass
lime grass
lime green
lime harmotome
lime hydrate
lime juice
lime liniment
lime mesotype
lime nitrogen
lime pit
lime plant
lime soap
lime sulfur
lime tree
lime twig
lime uranite
lime-ash
lime-boiled
lime-burner
lime-juicer
lime-kiln
lime-pit
lime-rod
lime-soda mesotype
lime-sulphur
lime-twig
lime-water
lime-white
limette oil
limit condition
limit control
limit gauge
limit man
limit of patience
limit of proportionality
limit of resolution
limit of vision
limit point
limit switch
limit system
limit yourself
limit, the
limit-setting
limited company
limited divorce
limited edition
limited fee simple
limited liability
limited monarchy
limited negative
limited nuclear weapons
limited number
limited owner
limited partner
limited partnership
limited payment insurance
limited policy
limited veto
limited war
limited-liability company
limiting adjective
limiting condition
limiting factor
limiting point
line of business
line of circmvallation
line of credit
line of defense
line of demarcation
line of departure
line of descent
line of direction
line of duty
line of endeavor
line of fire
line of flight
line of force
line of goods
line of induction
line of march
line of position
line of scrimmage
line of sight
line of sighting
line of site
line of succession
line of thrust
line of type
line of vision
line of work
line officer
line out
line printer
line radio
line relay
line riding
line space
line spectrum
line squall
line storm
line switch
line symmetry
line test
line up
line up with
line vector
line voltage
line your pockets
line-bred
line-breed
line-bucker
line-casting
line-engraving
line-firing
line-haul
line-hunting
line-of-battle ship
line-out
line-roll conveyer
line-sequential
line-sequential color television
line-throwing rocket
line-up
lineal measure
lineal promotion
lineal rank
lineal relation
linear accelerator
linear algebra
linear calibrations
linear chromatism
linear chromatist
linear coefficient
linear combination
linear complex
linear content
linear dependence
linear differential equation
linear differential form
linear equation
linear fractional transformation
linear function
linear functional
linear graph
linear independence
linear lead
linear manifold
linear measure
linear measures
linear micrometer
linear motor
linear operation
linear operator
linear perspective
linear polarization
linear problem
linear programming
linear projection
linear segment
linear set
linear space
linear substitution
linear system
linear tactics
linear transformation
linear-acute
linear-attenuate
linear-awled
linear-elliptical
linear-elongate
linear-ensate
linear-filiform
linear-lanceolate
linear-leaved
linear-ligulate
linear-oblong
linear-obovate
linear-setaceous
linear-shaped
linear-subulate
linearly ordered set
lined blade
lined gold
lined up
linen closet
linen draper
linen draperess
linen drapery
linen floss
linen fold
linen machine
linen panel
linen paper
linen pattern
linen wedding
linen-armourer
lines drawing
lines plan
ling cod
ling pink
linga sharira
linger behind
linger on
lingoa wood
lingu-
lingua crioula
lingua franca
lingua francas
lingua geral
lingua rustica
lingua vulgaris
linguae francae
lingual artery
lingual bone
lingual delirium
lingual gyrus
lingual hemorrhoid
lingual nerve
lingual protrusion lisp
lingual ribbon
lingual titubation
linguistic act
linguistic ambience
linguistic analysis
linguistic area
linguistic atlas
linguistic behavior
linguistic borrowing
linguistic community
linguistic finesse
linguistic form
linguistic geographer
linguistic geography
linguistic intercourse
linguistic island
linguistic scholar
linguistic science
linguistic scientist
linguistic stock
linguistic structure
linguistic tact
linguo-
lining cloth
lining sight
lining stitcher
lining-out
lining-up
link block
link motion
link polygon
link up
link verb
link with
link-boy
link-up
linkage formula
linkage group
linkage groups
linked rhyme
linked to
linked verse
linking r
linking verb
linnet hole
lino tile
lino-typist
linoleic acid
linolenic acid
linoleum block
linoleum knife
linoleum-block print
linoleum-block printing
linolic acid
linotype operator
linseed cake
linseed meal
linseed oil
linseed tea
linsey-woolsey
linsey-woolseys
lint bells
lint bow
lint index
lint-white
lion ant
lion dollar
lion dragon
lion leopard
lion lizard
lion monkey
lion poisson
lion tamer
lion's share
lion-bold
lion-color
lion-drunk
lion-footed
lion-guarded
lion-headed
lion-hearted
lion-hided
lion-hued
lion-like
lion-maned
lion-mettled
lion-tailed
lion-tailed macaque
lion-tailed monkey
lion-tawny
lion-thoughted
lion-toothed
lip bit
lip comfort
lip comforter
lip devotion
lip fern
lip homage
lip labor
lip loyalty
lip microphone
lip molding
lip plug
lip praise
lip reader
lip reading
lip reverence
lip rouge
lip server
lip service
lip stop
lip strike
lip wisdom
lip worship
lip worshiper
lip-
lip-back
lip-bearded
lip-blushing
lip-born
lip-deep
lip-good
lip-labour
lip-learned
lip-licking
lip-open
lip-read
lip-reading
lip-red
lip-round
lip-rounding
lip-smacking
lip-spreading
lip-teeth
lipid histiocytosis
lipo-
lipoid pneumonia
liquefied petroleum gas
liqueur glass
liquid absolute
liquid air
liquid apiol
liquid assets
liquid assets ratio
liquid coal
liquid compass
liquid conduction
liquid crystal
liquid crystal display
liquid extract
liquid fire
liquid fuel
liquid glass
liquid gold
liquid helium
liquid measure
liquid nitrogen
liquid oxygen
liquid paraffin
liquid petrolatum
liquid pint
liquid quart
liquid soap
liquid storax
liquid-fuel rocket
liquid-level control
liquid-level indicator
liquid-level sensor
liquidating dividend
liquidity preference
liquidity ratio
liquidus curve
liquor dealer
liquor maker
liquor merchant
liquor store
liquor store owner
liquor tax
liquor up
liquor-drinking
liquor-loving
liquorice allsorts
lira da braccio
liras da braccio
lires da braccio
lis pendens
lisle hose
lisle thread
lisp in numbers
list of
list of agenda
list pot
list price
list system
listed building
listed securities
listen at
listen in
listen to
listen to reason
listen with both ears
listener-in
listening cam
listening in
listening post
lister cultivator
lister drill
lister planter
lister plough
lister plow
listing machine
lit de justice
lit to the gills
lit up
litany stool
litchi nut
literacy test
literae humaniores
literae scriptae
literal error
literal meaning
literal translation
literal-minded
literalists of the imagination
literary agent
literary artefact
literary artifact
literary artisan
literary artist
literary artistry
literary composition
literary craftsman
literary critic
literary criticism
literary elegance
literary flair
literary hack
literary inelegance
literary journeyman
literary language
literary man
literary piracy
literary pirate
literary power
literary production
literary remains
literary style
literary talent
literature of the field
lith-
lithia emerald
lithia mica
lithia water
lithic acid
lithium aluminum hydride
lithium chloride
lithium fluoride
lithium oxide
lithium stearate
litho purple
litho-
lithographic stone
litis contestatio
litmus milk
litmus paper
litmus test
litter lout
litter-bearer
litterae humaniores
little Joe
little Mary
little Miss Fixit
little angel
little auk
little bear
little bit
little bite
little black ant
little blue heron
little bluestem
little boys' room
little brain
little brother
little brown jug
little bugger
little businessman
little by little
little casino
little chance
little cherub
little darling
little devil
little doll
little egret
little end
little expectation
little fellow
little finger
little game
little girls' room
little good
little grebe
little green man
little gull
little guy
little guys
little hours
little house
little innocent
little kids
little known
little leaf
little magazine
little man
little master
little millet
little missy
little monkey
little office
little one
little ones
little opportunity
little owl
little people
little people, the
little person
little pitcher with big ears
little problem
little quaking grass
little rascal
little recall
little red schoolhouse
little retentivity
little shaver
little slam
little smack
little spotted cat
little squirt
little summer of St
little tad
little talk
little terror
little theater
little theatre
little thing
little toe
little tot
little voice
little ways
little while
little white lie
little woman
little, a
little-able
little-bitsy
little-bitty
little-boukit
little-branched
little-by-little
little-ease
little-footed
little-girlish
little-girlishness
little-go
little-haired
little-headed
little-known
little-loved
little-minded
little-mindedness
little-prized
little-read
little-regarded
little-statured
little-trained
little-traveled
little-used
little-worth
littleneck clam
littoral zone
liturgical east
liturgical garments
liturgical music
liturgical north
liturgical south
liturgical west
litz wire
live a cat-and-dog life
live a life of ease
live again
live alone
live and breathe
live and learn
live and let live
live apart
live as man and wife
live at
live beyond your means
live by your wits
live center
live centre
live circuit
live coal
live down
live fast
live for the day
live forever
live from hand to mouth
live frugally
live hard
live high
live high off the hog
live high on the hog
live in
live in a glass house
live in clover
live in hopes
live in peace
live in retirement
live in your memory
live it up
live like a pig
live like cat and dog
live like the grasshopper
live load
live matter
live oak
live off of
live off the fat of the land
live on
live on the fat of the land
live on velvet
live one
live or die
live outside the law
live parking
live peaceably with all men
live plainly
live show
live simply
live spindle
live steam
live stock
live temperately
live the life of Riley
live through
live through it
live to a ripe old age
live to eat
live to fight another day
live together
live trap
live up
live up to
live upon
live upon nothing
live well
live wire
live with
live with it
live within your income
live-bearer
live-bearing
live-box
live-ever
live-forever
live-front switchboard
live-in maid
live-in-idleness
live-oak
live-out maid
live-sawed
live-virus vaccine
lived-in
lively imagination
lively interest
lively market
lively pace
liven vivificate
liver and lights
liver and onions
liver balsam
liver brown
liver chestnut
liver death
liver disease
liver extract
liver fluke
liver fluke disease
liver fungus
liver lily
liver maroon
liver of sulfur
liver of sulphur
liver rot
liver salts
liver sausage
liver sausage tree
liver shark
liver spots
liver-brown
liver-colored
liver-hued
liver-moss
liver-rot
liver-white
liveried servant
liverwort lettuce
livery colors
livery company
livery cupboard
livery servant
livery stable
livery-man
livery-stable
livestock insurance
livid brown
livid pink
livid purple
livid violet
livid with rage
livid-brown
living being
living death
living force
living fossil
living hall
living image
living in
living issue
living language
living machine
living matter
living nature
living picture
living pledge
living quarters
living rock
living room
living sapphires
living soul
living space
living thing
living trust
living wage
livre jaune
livre parisien
livre tournois
lizard bronze
lizard fish
lizard flower
lizard green
lizard seeker
lizard's-tail
lizards-tail
lizardtail grass
llama hair
lm-hr
lm/W
lo and behold
loa loa
load chart
load control
load displacement
load draft
load factor
load fund
load indicator
load line
load line mark
load of money
load resistance
load shedding
load the dice
load the mind
load the mind with
load water line
load water plane
load waterline
load with care
load with ornament
load with reproaches
load-indicating resistor
load-line disk
load-line mark
load-water-line
loaded cane
loaded dice
loaded for
loaded for bear
loaded moment
loaded with doom
loaded with shame
loaded with significance
loading coil
loading donkey
loading down
loading inductance
loaf of bread
loaf sugar
loaf-sugar
loam board
loan agent
loan collection
loan farm
loan form
loan god
loan office
loan officer
loan shark
loan translation
lobsters-claw
lobular pneumonia
lobular pump
loc cit
local anaesthetic
local anesthetic
local authority
local call
local case
local color
local colour
local dialect
local economy
local examinations
local express
local government
local horizon
local law
local maximum
local minimum
local office
local option
local optioner
local optionism
local optionist
local oscillator
local oscillator signal
local road
local stamp
local tax
local time
local union
local wind
local yokel
local-option law
local-oscillator tube
locally Euclidean space
locally compact space
locally finite set
loci classici
loci sigilli
lock bay
lock forward
lock gate
lock horns
lock hospital
lock in
lock nut
lock off
lock on
lock on to
lock out
lock plate
lock rail
lock saw
lock seam
lock seat
lock step
lock stitch
lock the door
lock turtle
lock up
lock washer
lock, stock, and barrel
lock-a-daisy
lock-grained
lock-hair fern
lock-jaw
lock-out
lock-up
locked in
locked jaw
locked up
locked-up page
locked-wire rope
locker box
locker paper
locker plant
locker room
locking face
locking gauntlet
locking in
locking on
locking pallet
locking piece
locking plate
locking ring
locking signals
locking up
locking wheel
lockup safety valve
loco citato
loco disease
loco parentis
loco supra citato
loco vetch
loco-descriptive
loco-foco
locomotive boiler
locomotive engine
locomotor ataxia
locoprimo citato
loctal base
locum tenens
locum tenentes
locum-tenency
locus classicus
locus communis
locus in quo
locus sigilli
locus standi
locust bean
locust beetle
locust bird
locust eater
locust lobster
locust mite
locust moth
locust plant
locust pod
locust sawfly
locust shrimp
locust tree
locust-kernel gum
locust-tree
lode claim
loden coat
loden green
lodge a complaint
lodge a plaint
lodge in the mind
lodged in your mind
lodgepole pine
lodger bee
lodger franchise
lodging house
lodging knee
lodging place
lodging turn
lodh bark
loft-dried
lofting iron
lofty affectations
lofty airs
lofty ambition
lofty mountains
lofty peak
lofty-browed
lofty-headed
lofty-humored
lofty-looking
lofty-minded
lofty-notioned
lofty-peaked
lofty-plumed
lofty-roofed
lofty-sounding
log bunk
log cabin
log canoe
log carriage
log chip
log deck
log dog
log drive
log driver
log driving
log fixer
log frame
log glass
log jack
log jam
log kicker
log line
log loader
log measure
log peeler
log perch
log reel
log rule
log run
log runner
log scale
log scaler
log ship
log slate
log tooth
log turner
log-
log-book
log-log
log-roll
log-roller
log-rolling
logan apple
logan stone
logan-stone
loganberry wine
logarithmic curve
logarithmic function
loggan stone
loggerhead shrike
loggerhead sponge
loggerhead turtle
logging car
logging locomotive
logging sled
logging stone
logging wheels
logic circuit
logic-chopper
logic-chopping
logical analysis
logical circle
logical construction
logical discussion
logical empiricism
logical empiricist
logical fallacy
logical impossibility
logical operation
logical order
logical outcome
logical positivism
logical positivist
logical presumption
logical sequence
logical sum
logical syntax
logical thought
logically impossible
logico-metaphysical
logistic curve
logistic line
logo-
logographic character
logographic symbol
logos Christology
logos theology
logothete-
open source used in CSPC Collector 2.9.1 20670

logwood black
logwood blue
logwood paper
loin end
loiter about
loiter around
loiter away the time
loiter behind
loiter out the time
loll around
loll shraub
loll-shraub
lollipop around
lolly water
lombard street
lombard-street
lomi-lomi
london pride
lone hand
lone pair
lone wolf
lone woman
lonely end
lonely heart
lonesome end
long accent
long account
long ago
long arm
long ballot
long bill
long bob
long bone
long card
long chair
long chalk
long clam
long cloth
long coat
long cross
long distance
long division
long dozen
long drink of water
long duration
long ess
long face
long fake
long for
long gallery
long game
long green
long haul
long home
long hop
long horn
long horse
long house
long hundred
long hundredweight
long in the tooth
long interest
long iron
long jenny
long johns
long jump
long life
long life to
long mane
long mark
long market
long measure
long metre
long mordent
long moss
long odds
long on looks
long pants
long pennant
long pig
long play
long pooper
long primer
long pull
long purse
long range
long range aid to navigation
long rifle
long road
long robe
long rod
long rope
long run
long shanks
long shot
long side
long sight
long since
long splice
long standing
long step
long stock
long sufferance
long suit
long sweetening
long sword
long tether
long time
long tin
long to
long tom
long ton
long tongue
long topgallant mast
long trail
long trousers
long underwear
long vacation
long view
long vowel
long wave
long way
long while
long word
long-
long-accustomed
long-acre
long-agitated
long-ago
long-and-short work
long-arm
long-arm balance
long-armed
long-awaited
long-awned
long-axed
long-backed
long-barreled
long-beaked
long-bearded
long-bellied
long-berried
long-billed
long-boat
long-bodied
long-borne
long-bow
long-bracted
long-branched
long-breathed
long-buried
long-celled
long-chained
long-clawed
long-coated
long-coats
long-contended
long-continued
long-continuing
long-coupled
long-crested
long-cycle
long-cycled
long-dated
long-day
long-dead
long-delayed
long-descending
long-deserted
long-desired
long-destroying
long-distance
long-distance call
long-docked
long-drawn
long-drawn-out
long-eared
long-eared owl
long-enduring
long-established
long-exerted
long-expected
long-experienced
long-extended
long-eyed sharp
long-faced
long-faded
long-favored
long-fed
long-fiber
long-fibered
long-fin tunny
long-fingered
long-finned
long-flaked coil
long-fleeced
long-flowered
long-footed
long-forgotten
long-fronted
long-fruited
long-gown
long-gowned
long-grassed
long-hair
long-haired
long-haired griffon
long-hand
long-handed
long-handled
long-head
long-headed
long-headedness
long-heeled
long-hid
long-horned
long-horned beetle
long-horned grasshopper
long-jawed
long-jointed
long-journey
long-kept
long-lacked
long-lasting
long-lastingness
long-leaved
long-leaved bent
long-leaved pine
long-leg
long-legged
long-limbed
long-line
long-lined
long-liner
long-lining
long-lived
long-livedness
long-living
long-locked
long-lost
long-lunged
long-memoried
long-nebbed
long-neck clam
long-necked
long-nosed
long-off
long-on
long-parted
long-past
long-pasterned
long-pending
long-period variable
long-planned
long-playing
long-plumed
long-pod
long-podded
long-possessed
long-projected
long-protracted
long-quartered
long-range
long-range attack aircraft
long-range bomber
long-range forecasting
long-range heavy bomber
long-range medium bomber
long-range patrol bomber
long-range plan
long-range planning
long-range radar
long-range rocket
long-reaching
long-resounding
long-ribbed
long-ridged
long-robed
long-roofed
long-rooted
long-saved
long-settled
long-shadowed
long-shafted
long-shanked
long-shaped
long-shore
long-shut
long-sighted
long-sightedness
long-skulled
long-sleeved
long-snouted
long-sought
long-span
long-spine
long-spined
long-spun
long-spurred
long-staffed
long-stalked
long-standing
long-staple
long-staple isinglass
long-stapled
long-stemmed
long-stocked
long-streaming
long-stretched
long-stroke
long-styled
long-succeeding
long-sufferance
long-suffered
long-suffering
long-sufferingly
long-sundered
long-tail
long-tailed
long-tailed chat
long-tailed tit
long-term
long-term bond
long-term loan
long-term memory
long-termer
long-thinking
long-threatened
long-time
long-timed
long-toed
long-toed stint
long-tongue
long-tongued
long-toothed
long-traveled
long-visaged
long-waisted
long-wandered
long-wandering
long-wave
long-wedded
long-winded
long-windedly
long-windedness
long-winged
long-wire aerial
long-wished
long-withdrawing
long-withheld
long-wooled
long-worded
longcase clock
longed-for
longhair music
longi-
longicorn beetle
longing eye
longing for the past
longitude by account
longitude in arc
longitude in time
longitudinal axis
longitudinal coefficient
longitudinal framing
longitudinal magnification
longitudinal section
longitudinal stability
longitudinal wave
longleaf pine
longleaf yellow pine
longschat pine
longshore drift
longways dance
loot mask
look a fright
look a gift horse in the mouth
look a mess
look a sight
look about for
look about one
look after
look after your fences
look after your own interests
look aghast
look agog
look ahead
look alive
look all over
look all over hell
look another way
look around
look around for
look as if you had seen a ghost
look aside
look askance
look askance at
look askant
look asquint
look at
look at in the light of
look at it
look away
look back
look back on
look back upon things past
look bad
look beautiful
look before you leap
look beyond
look big
look black
look black as thunder
look black upon
look bleak
look blue
look closely at
look coldly upon
look cool upon
look daggers
look daggers at
look dark
look down
look down on
look down over
look down upon
look down your nose
look down your nose at
look everywhere
look fit to kill
look foolish
look for
look for a needle in a haystack
look for time
look for trouble
look forth
look forward to
look full in the face
look good
look green about the gills
look guilty
look here
look high and low
look in
look in on
look in the face
look in your eyes
look into
look into every hole and corner
look into the future
look kindly upon
look like
look like a million
look like hell
look like the devil
look lively
look on
look on the bright side
look on the dark side
look on with the evil eye
look out
look out for
look out for number one
look out upon
look over
look right through
look round
look serious
look sharp
look silly
look slippy
look something terrible
look straight in the eye
look straight in the eyes
look sullen
look sweet upon
look the other way
look threatening
look through
look to
look to be
look to your laurels
look toward
look up
look up and down
look up to
look upon
look upon as
look upstairs and downstairs
look with scorn upon
look with your own eyes
look you
look you in the eye
look you in the face
look you up
look-alike
look-alikes
look-down
look-in
look-over
look-see
look-through
look-up
looked-for
looker-on
lookers-on
looking ahead
looking back
looking fit to kill
looking for
looking forward to
looking glass
looking out the window
looking up
looking-glass
looking-glass bush
lookout man
loom joiner
loom large
loom of the land
loom oiler
loom tenter
loom turner
loom weaver
loom-state
looming in the distance
looming in the future
loony bin
loop aerial
loop antenna
loop back
loop in
loop knot
loop line
loop of Henle
loop stitch
loop the loop
loop winding
loop window
loop-hole
loop-the-loop
loophole frame
looping mill
looping the loop
loose bowels
loose change
loose construction
loose cover
loose end
loose ends
loose for sea
loose formation
loose memory
loose morals
loose order
loose purse strings
loose sentence
loose smut
loose thread
loose tongue
loose translation
loose woman
loose-barbed
loose-bodied
loose-coupled
loose-curled
loose-driving
loose-enrobbed
loose-fibered
loose-fitting
loose-fleshed
loose-floating
loose-flowered
loose-flowing
loose-footed
loose-footed sail
loose-girdled
loose-gowned
loose-handed
loose-hanging
loose-hipped
loose-hung
loose-joint hinge
loose-jointed
loose-kneed
loose-leaf
loose-leaf notebook
loose-limbed
loose-lipped
loose-lived
loose-living
loose-locked
loose-lying
loose-mannered
loose-moraled
loose-necked
loose-packed
loose-panicled
loose-principled
loose-robed
loose-skinned
loose-spiked
loose-thinking
loose-tongued
loose-topped
loose-wadded
loose-wived
loose-woven
loose-writ
loosen the purse strings
loosen up
looseness of the bowels
lop-ear
lop-eared
lop-sided
lopho-
loppered milk
lord and master
lord bird
lord chancellor
lord it over
lord lieutenant
lord mayor
lord of creation
lord of misrule
lord of the bedchamber
lord of the manor
lord paramount
lord spiritual
lord temporal
lord trier
 lord's day
lord's prayer
lord's supper
lord's table
lord-in-waiting
lord-lieutenancy
lord-lieutenant
lords and ladies
lords of creation
lords temporal and spiritual
lords-and-ladies
lords-in-waiting
lorraine cross
lose altitude
lose blood
lose caste
lose color
lose countenance
lose courage
lose credit
lose currency
lose distinctness
lose face
lose flesh
lose ground
lose heart
lose heat
lose hope
lose momentum
lose no time
lose novelty
lose one
lose one's cookies
lose out
lose patience
lose power
lose resolution
lose self-control
lose sharpness
lose sight of
lose speed
lose strength
lose the chance
lose the day
lose the opportunity
lose the will to live
lose time
lose track of
lose weight
lose your good name
lose your grip
lose your head
lose your hearing
lose your heart
lose your heart to
lose your life
lose your nerve
lose your reason
lose your senses
lose your shirt
lose your sight
lose your temper
lose your tongue
lose your vision
lose your way
lose your wits
lose yourself in
lose-out
losh hide
losh leather
losing game
losing hazard
losing streak
losing your touch
loss leader
loss of contact with reality
loss of ground
loss of hearing
loss of honor
loss of innocence
loss of life
loss of memory
loss of mind
loss of name
loss of reason
loss of repute
loss of speech
loss of tone
loss of touch with reality
loss of voice
loss of your illusions
loss ratio
lost cause
lost in
lost in amazement
lost in thought
lost in wonder
lost lamb
lost language
lost motion
lost river
lost sheep
lost soul
lost souls
lost to
lost to all sense of honor
lost to shame
lost to sight
lost to view
lost tribes
lost-wax process
lot on
lot out
lot, a
lot, the
lote bush
lots of laughs
lotus grass
lotus land
lotus position
lotus-eater
lotus-eating
loud and clear
loud color
loud noise
loud pedal
loud sound
loud-acclaiming
loud-applauding
loud-bellowing
loud-blustering
loud-calling
loud-clamoring
loud-cursing
loud-hailer
loud-laughing
loud-mouth
loud-mouthed
loud-mouths
loud-ringing
loud-roared
loud-roaring
loud-screaming
loud-singing
loud-sounding
loud-speaker
loud-speaking
loud-spoken
loud-squeaking
loud-thundering
loud-ticking
loud-voiced
loudspeaker van
louder-da
lough diver
louis d'or
louis quatorze
louis quinze
louis seize
louis treize
lounge around
lounge bar
lounge car
lounge chair
lounge lizard
lounge suit
lounging jacket
lounging pajamas
lounging robe
loup cervier
loup-cervier
loup-garou
louping ill
loups-garous
louse herb
louse up
louse-up
loused up
lousy knave
lousy rich
lousy with
louver board
louver boards
louver window
love God
love affair
love apple
love arrows
love charm
love chest
love child
love deities
love ditty
love feast
love game
love god
love goddess
love grass
love interest
love knot
love letter
love match
love nest
love of God
love of country
love of mankind
love potion
love seat
love set
love song
love story
love the sound of your own voice
love to
love to distraction
love vine
love-anguished
love-apple
love-begot
love-begotten
love-bird
love-bitten
love-born
love-breathing
love-crossed
love-darting
love-delighted
love-devouring
love-drury
love-entangle
love-entangled
love-enthralled
love-feast
love-illumined
love-in-a-mist
love-in-idleness
love-inspired
love-inspiring
love-knot
love-lacking
love-laden
love-learned
love-lies-bleeding
love-lilt
love-lorn
love-mad
love-madness
love-maker
love-making
love-mourning
love-performing
love-sick
love-smitten
love-spent
love-starved
love-stricken
love-touched
love-whispering
love-worthiness
love-worthy
love-wounded
loved one
lovely as the day
lovely build
lovely time
lovely to behold
lover of beauty
lover of learning
lover of wisdom
lover's knot
lover's leap
lover-boy
lovers' lane
lovey-dovey
loving care
loving couple
loving cup
loving kindness
loving-kindness
low IQ
low area
low beam
low blood pressure
low brass
low bunt
low camp
low charge
low church
low class
low comedian
low comedy
low cunning
low down
low estimation
low explosive
low fellow
low frequency
low fulham
low german
low grade
low green tent
low ground
low grounds
low growth rate
low house
low hurdles
low in the pecking order
low latin
low man on the totem pole
low mass
low milling
low opinion
low order of importance
low order of probability
low pitch
low price
low price tag
low prices
low priority
low profile
low quality
low relief
low rumbling
low sodium diet
low spear grass
low spirits
low sunday
low tariff
low taste
low temperature
low tide
low visibility
low voice
low water
low wine
low wines
low-altitude bombing
low-arched
low-backed
low-bellowing
low-bended
low-blast
low-blooded
low-bodied
low-boiling
low-born
low-boughed
low-bowed
low-breasted
low-bred
low-brow
low-browed
low-built
low-calorie diet
low-camp
low-capacitance probe
low-carbohydrate diet
low-caste
low-ceiled
low-ceilinged
low-charge
low-churchman
low-class
low-conceited
low-conditioned
low-consumption
low-cost
low-country
low-crested
low-crowned
low-current
low-cut
low-deep
low-down
low-down dirty shame
low-downer
low-downness
low-ebbed
low-energy fission
low-filleted
low-flighted
low-fortuned
low-frequency
low-frequency current
low-frequency speaker
low-frequency wave
low-gauge
low-geared
low-grade
low-heeled
low-hung
low-intensity
low-key
low-keyed
low-lead gas
low-level
low-level language
low-leveled
low-lipped
low-lived
low-living
low-low
low-lying
low-masted
low-melting
low-minded
low-mindedly
low-mindedness
low-murmuring
low-muttered
low-necked
low-paneled
low-pass filter
low-pitched
low-power
low-pressure
low-pressure area
low-pressure cylinder
low-pressure salesmanship
low-priced
low-principled
low-priority
low-profile
low-purposed
low-quality
low-quartered
low-rate
low-rented
low-resistance
low-rimmed
low-rise
low-roofed
low-salt diet
low-set
low-sized
low-sounding
low-spirited
low-spiritedly
low-spiritedness
low-spoken
low-statured
low-temperature
low-tension
low-test
low-thoughted
low-toned
low-tongued
low-tread
low-uttered
low-voiced
low-voltage
low-voltage protection
low-voltage release
low-waisted
low-water
low-water mark
low-wattage
low-wheeled
low-wing monoplane
low-withered
low-witted
low-yield nuclear weapons
lowbush blueberry
lowdown, the
lower apsis
lower atmosphere
lower berth
lower bo
lower boom
lower bound
lower case
lower chamber
lower class
lower classes
lower criticism
lower deck
lower frequencies
lower fungus
lower hold
lower house
lower limit
lower mast
lower middle class
lower mizzen-topsail yard
lower mordent
lower oneself
lower orders
lower ranks
lower regions
lower sail
lower school
lower semi-continuous function
lower semicontinuous function
lower side
lower status
lower strata
lower studding sail
lower the boom
lower the spirits
lower world
lower your colors
lower your flag
lower your guard
lower your note
lower your tone
lower yourself
lower-boom topping lift
lower-case
lower-case alphabet
lower-cased
lower-casing
lower-income housing
lowering yourself
lowest common denominator
lowest common multiple
lowest layer
lowest level
lowest point
lowest stratum
lowest terms
lowland fir
lowland plover
lowland white fir
lowness of spirit
lowside window
loxaz bark
loyal friendship
loyal opposition
loyalty oath
lozenge perforation
lozenge-shaped
lpW
lt-yr
lubber fend
lubber fiend
lubber grasshopper
lubber line
lubber's hole
lubber's knot
lubber's line
lubber's mark
lubber's point
lubber-hole
lube oil
lubricating agent
lubricating oil
lucid interval
lucid stillness
lucifer match
luck of the draw
luck penny
lucken gowan
lucky bean
lucky break
lucky dip
lucky dog
lucky person
lucky piece
lucky shot
lucky strike
lucky-bag
lucrative interest
lucus a non lucendo
ludicro-
lufbery circle
luff on luff
luff tackle
luff up
luff upon luff
lug foresail
lug hook
lug in
lug in by the heels
lug nut
lug pad
lug screw
lug sill
lug topsail
lug wrench
lug-rigged
lug-worm
luggage shop
luggage tan
luggage train
luggage van
lugger topsail
lukewarm piety
lukewarm support
lull before the storm
lull to sleep
lullaby vt
lumb-
lumbar puncture
lumbar region
lumbar rheumatism
lumber jacket
lumber kiln
lumber room
lumber-pie
lumbering pace
lumberman's saw
lumbo-
lumbo-abdominal
lumbo-aortic
lumbo-iliac
lumbo-inguinal
lumbo-ovarian
lumen meter
lumen-hour
lumin-
luminosity curve
luminous efficacy
luminous efficiency
luminous emittance
luminous energy
luminous exitance
luminous flux
luminous flux density
luminous intensity
luminous paint
luminous power
luminous range
lump coal
lump it
lump of sugar
lump sucker
lump sum
lump together
lump-fish
lumpen proletariat
lumpy jaw
luna cornea
luna moth
lunar base
lunar caustic
lunar city
lunar colony
lunar corona
lunar cycle
lunar day
lunar distance
lunar eclipse
lunar excursion module
lunar halo
lunar insertion
lunar landscape
lunar mare
lunar module
lunar month
lunar orbit
lunar rainbow
lunar rill
lunar rille
lunar tide
lunar waste
lunar year
lunar-diurnal
lunatic asylum
lunatic fringe
lunch break
lunch counter
lunch hour
lunch time
lunch wagon
luncheon bar
luncheon meat
luncheon voucher
lung book
lung cancer
lung fever
lung fish
lung fluke
lung plague
lung sickness
lunge at
lungworm disease
lunisolar precession
lunitidal interval
lupus erythematosus
lupus vulgaris
lurid imagination
lurking hole
lurking place
lush up
lust after
lust for
lust for knowledge
lust for learning
lust-born
lust-burned
lust-burning
lust-engendered
lust-stained
lust-tempting
luster pottery
luster wool
lustful leer
lustrs of the flesh
lusus naturae
lute maker
lute player
lute stern
lute tablature
lute-
lute-backed
lute-fashion
lute-playing
lute-string
lute-voiced
luteinizing hormone
luteo-
lutine bell
lymphogenous leukemia
lymphogranuloma inguinale
lymphogranuloma venereum
lymphoid cell
lymphoid leukemia
lynn law
lynx cat
lynx flower
lynx-eyed
ly-
lyra viol
lyrate-lobed
lyre back
lyre bat
lyre pheasant
lyre snake
lyre tree
lyre turtle
lyre-form sofa
lyre-guitar
lyre-leaved
lyre-shaped
lyre-tailed
lyre-tailed nightjar
lyric bass
lyric cantata
lyric drama
lyric poet
lyric poetry
lyric soprano
lyric stage
lyric tenor
lyric theater
lyric-writing
lyrical abstraction
lyrical abstractionist
lyrico-dramatic
lyrico-epic
lys-
lysergic acid
lysergic acid diethylamide
lyso-
m b
m d
m-l
m-RNA
m-day
m-hum
m-ple point
mA
mAN
mC
mCi
mF
mGal
mH
mL
mM
mR
mRNA
mV
mW
ma chere
ma-jong
mabi bark
macaco worm
macadamia nut
macaranga gum
macaroni and cheese
macaroni cheese
macaroni salad
macaroni wheat
macaronic verse
macaw fat
macaw palm
mace butter
mace oil
mace-bearer
mach number
machina versatilis
machinations of the devil
machine binder
machine bolt
machine composition
machine computation
machine cutter
machine dresser
machine drill
machine feeder
machine gun
machine gunner
machine knife
machine knitter
machine language
machine lapper
machine nailer
machine pistol
machine politician
machine politics
machine readable
machine rifle
machine ruler
machine screw
machine shop
machine stamper
machine steel
machine stitch
machine stitcher
machine stitching
machine tool
machine word
machine-breaking
machine-broken
machine-cut
machine-drilled
machine-driven
machine-finished
machine-forged
machine-gun
machine-gun fire
machine-gunned
machine-gunning
machine-hour
machine-knitted
machine-made
machine-mixed
machine-sewed
machine-stitch
machine-stitched
machine-switching office
machine-tooled
machine-woven
machine-wrought
machinery steel
machinist's hammer
machinist's mate
mackay bean
mackerel bait
mackerel bird
mackerel breeze
mackerel gull
mackerel shark
mackerel sky
mackinaw coat
macnab cypress
macr-
macrame cord
macrame knot
macro-
macro-axis
macrobiotic diet
macrocytic anemia
macula lutea
mad about
mad apple
mad as a March hare
mad as a hatter
mad as a hornet
mad as a wet hen
mad dog
mad for
mad itch
mad money
mad on
mad round
mad staggers
mad with lust
mad-apple
mad-brained
mad-bred
mad-doctor
mad-dog skullcap
mad-headed
madder bleach
madder bloom
madder blue
madder brown
madder carmine
madder crimson
madder extract
madder lake
madder orange
madder pink
madder purple
madder red
madder rose
madder scarlet
madder violet
madder yellow
made dish
made eye
made flesh
made for
made mast
made of
made of iron
made of money
made out of
made out of whole cloth
made public
made rug
made sure
made to grovel
made to order
made up
made up of
made-beaver
made-over
made-to-measure
made-to-order
made-up
madia oil
madonna lily
madre-perl
madrepore glass
madrepore marble
madreporic body
madreporic plate
madreporic tubercle
mae west
maestro di cappella
mafura tallow
mag tape
magazine camera
magazine clothing
magazine publishing
magazine section
magazine writer
magellanic cloud
magen david
maggot in one's brain
maggot in the brain
maggot snipe
maggot therapy
maggot-pie
magic act
magic belt
magic bullets
magic carpet
magic circle
magic eye
magic formula
magic lantern
magic lily
magic number
magic realism
magic realist
magic ring
magic show
magic spectacles
magic spell
magic square
magic wand
magic words
magico-religious
magico-sympathetic
maginot line
magistral line
magistrates' court
magma basalt
magnatic stoping
magna charta
magna cum laude
magne-
magnesia magma
magnesium carbonate
magnesium chloride
magnesium citrate
magnesium dioxide
magnesium flare
magnesium hydroxide
magnesium light
magnesium oxide
magnesium peroxide
magnesium sulfate
magnesium trisilicate
magnet forger
magnet keeper
magnet school
magnet-
magnetic amplifier
magnetic attraction
magnetic axis
magnetic battery
magnetic bearing
magnetic bottle
magnetic bubble
magnetic cartridge
magnetic pulley
magnetic quantum number
magnetic recorder
magnetic recording
magnetic relay
magnetic reluctance
magnetic remanence
magnetic repulsion
magnetic resistance
magnetic retardation
magnetic retentiveness
magnetic rotation
magnetic scalar potential
magnetic storm
magnetic tape
magnetic tape recorder
magnetic tape unit
magnetic tube of force
magnetic variation
magnetic viscosity
magnetic wire
magnetic wire recorder
magnetico-
magnetite arc
magnetite arc lamp
magnetite-basalt
magnetite-olivinite
magnetite-spinellite
magnetizing current
magnetizing force
magneto assembler
magneto-
magneto-electric
magneto-electricity
magneto-optical effect
magnetocaloric effect
magnetoelectric generator
magnetolectric machine
magnetomotive force
magnetostriction microphone
magnificent rifle bird
magnifying glass
magnifying power
magnolia warbler
magnum bonum
magnum opus
magnus hitch
magpie diver
magpie finch
magpie goose
mah jong
mah-jongg
mahala mat
mahaleb cherry
mahali disease
maharao raja
mahogany birch
mahogany brown
mahogany family
mahogany-brown
mahua butter
maid marian
maid of all work
maid of honor
maid of honour
maid-in-waiting
maiden cane
maiden lady
maiden name
maiden over
maiden pink
maiden speech
maiden state
maiden voyage
maiden's blush
maiden's-tears
maiden's-wreath
maiden's-wreaths
maidenhair fern
maidenhair spleenwort
maidenhair tree
maidenhair-tree
maidenhair-vine
maids-hair
maids-in-waiting
mail boat
mail car
mail carrier
mail catcher
mail coach
mail drop
mail flag
mail order
mail orderly
mail packet
mail phaeton
mail pouch
mail steamer
mail train
mail truck
mail van
mail-cheeked
mail-coach
mail-order buying
mail-order goods
mail-order house
mail-order selling
mailed fist
mailed fist, the
mailed-cheeked
mailing list
mailing machine
mailing tube
main body
main brace
main chance
main clause
main course
main current
main deck
main diagonal
main dish
main drag
main feature
main features
main force
main gaff-topsail
main gauche
main idea
main interest
main lift
main line
main office
main plane
main plant
main point
main road
main rocket
main royal
main sea
main sequence
main sequence star
main skysail
main staysail
main stem
main store
main street
main strength
main thing
main yard
main-brace
main-brace bumpkin
main-course
main-de-fer
main-deck
main-frame computer
main-guard
main-royal brace
main-royal lift
main-royal mast
main-royal stay
main-royal staysail
main-royal studding sail
main-royal yard
main-royal-studding-sail boom
main-sheet
main-skysail brace
main-skysail lift
main-skysail mast
main-skysail stay
main-skysail yard
main-top
main-topgallant
main-topgallant brace
main-topgallant lift
main-topgallant mast
main-topgallant sail
main-topgallant stay
main-topgallant studding sail
main-topgallant yard
main-topgallantmast
main-topmast
main-topmast stay
main-topmast staysail
main-topmast studding sail
main-topmast-studding-sail boom
main-topsail
main-topsail lift
main-topsail schooner
main-topsail yard
main-trysail gaff
main-trysail peak halyard
main-trysail rig
main-trysail vang
main-yard
main-yardman
mainstream jazz
maintain a household
maintain clearance
maintain connection
maintain continuity
maintain distance
maintain position
maintain the heading
maintain the highest standards
maintain with your last breath
maintain your perspective
maintained school
maintaining power
maintenance and cure
maintenance bond
maintenance man
maintenance of membership
maintenance of your good name
mais oui
maison de sante
maison-dieu
maître d'
maître d'hotel
maître de ballet
maître dhotel
maize mildew
maize oil
maize smut
maize yellow
maize-eater
majo bitters
majolica dipper
majolica painter
major agglutinins
major axis
major basilica
major chord
major element
major form class
major general
major in
major interval
major key
major league
major medical insurance
major mode
major operation
major operations
major order
major orders
major part
major party
major penalty
major piece
major planet
major poet
major premise
major premiss
major scale
major second
major seminary
major seventh chord
major suit
major surgery
major tenace
major term
major third
major triad
major-domo
major-domos
major-domoship
major-general
major-generalcy
major-generalship
major-league
major-leaguer
majority carrier
majority leader
majority rule
majuscule script
make a North River jibe
make a U-turn
make a bargain
make a bed
make a beeline
make a beginning
make a bequest
make a bet
make a bid
make a bid for
make a blind bargain
make a blooper
make a blunder
make a board
make a boast of
make a bold push
make a boner
make a boo-boo
make a break for
make a break for it
make a breakthrough
make a brolly-hop
make a burst of speed
make a buy
make a call
make a cash payment
make a cat's-paw of
make a cautious move
make a chattel of
make a circuit
make a clamor
make a clean breast
make a clean breast of
make a clean sweep
make a close study of
make a comeback
make a commotion
make a comparison
make a compromise
make a critical revision
make a cross-reference
make a dash
make a dash at
make a dash for
make a date
make a dead set against
make a dead set at
make a dead-stick landing
make a deal
make a deal for
make a decision
make a demand
make a dent in
make a determined resistance
make a detour
make a dicker
make a distinction
make a doormat of oneself
make a doormat of yourself
make a face
make a fair copy
make a false step
make a faux pas
make a federal case
make a federal case of
make a figure
make a fine distinction
make a flight
make a fool of
make a fool of yourself
make a fortune
make a fresh start
make a funny
make a fuss
make a fuss about
make a fuss over
make a generalization
make a getaway
make a go of it
make a good board
make a good end
make a good thing of
make a grab for
make a half board
make a hash of
make a hit
make a hit with
make a hog of yourself
make a hole in
make a household word of
make a journey
make a killing
make a landfall
make a laughingstock of
make a leg
make a light
make a lip
make a liquid sound
make a living
make a long face
make a long story short
make a low bow
make a lucky strike
make a man of
make a mark
make a match
make a memorandum
make a mess of
make a miscue
make a misstep
make a mistake
make a mockery of
make a monkey of
make a monkey of yourself
make a monkey out of
make a motion
make a moue
make a mouth
make a move
make a mow
make a new beginning
make a new man of
make a nice distinction
make a noise
make a noise in the world
make a nose dive
make a note
make a parachute jump
make a party to
make a pass
make a pass at
make a passage
make a patsy of
make a pawn of
make a peace offering
make a personal appearance
make a pig of yourself
make a pilgrimage
make a pinch
make a pitch for
make a play for
make a plaything of
make a plea
make a point of
make a practice of
make a precipitate departure
make a prediction
make a present of
make a pretense
make a pretense of
make a pretext of
make a production of
make a prognosis
make a projection
make a promise
make a proof
make a prophecy
make a puppet of
make a purchase
make a quick exit
make a racket
make a radical change
make a raid
make a rebuttal
make a recension
make a reconnaissance
make a regulation
make a report
make a request
make a requisition
make a resolute stand
make a resolution
make a reverence
make a round trip
make a row
make a run
make a run for
make a rush at
make a sacrifice
make a sale
make a scene
make a scoop
make a selection
make a set at
make a short sale
make a show
make a show of
make a sign
make a signal
make a slow start
make a sound
make a sounding
make a space
make a special effort
make a spectacle of yourself
make a speech
make a spinnaker run
make a splash
make a splurge
make a sport of
make a spurt
make a stab at
make a stand
make a stand against
make a statement
make a stir about
make a strategic withdrawal
make a strong bid for
make a study of
make a subtle distinction
make a success
make a sucker of
make a survey
make a syllabus
make a tentative move
make a thrust at
make a tilt at
make a to-do
make a to-do over
make a touch
make a train
make a trial of
make a trip
make a try
make a virtue of necessity
make a visit
make a whole
make a will
make a wrong step
make a wry face
make a wry face at
make a wry mouth
make accounts square
make acknowledgment
make acknowledgments of
make acquaintance with
make acquainted
make acute
make advances
make after
make agree
make all clear for
make all square
make allocations
make allowance
make allowance for
make allowances for
make amends
make an adaptation
make an adjustment
make an ado
make an ado about
make an allusion to
make an announcement
make an appearance
make an approximation
make an arrangement
make an arrest
make an ass of
make an ass of yourself
make an assignment
make an attempt
make an auspicious beginning
make an edition
make an effort
make an end of
make an entrance
make an entry
make an estimation
make an example of
make an exit
make an expedition
make an experiment
make an idol of
make an impact upon
make an impression
make an improvement
make an incursion
make an inroad
make an intrusion
make an investment
make an irruption into
make an obeisance
make an offer
make an opening
make an outcry
make an overture
make an uproar
make and break
make angry
make answer
make anxious
make apology for
make application
make arrangements
make arrangements for
make as if
make as though
make assignments
make assurance double sure
make at
make attentive
make available
make available to all
make away
make away with
make bad weather
make believe
make better
make bite the dust
make black
make blind
make blood flow freely
make blue
make bold
make bold to
make bold to ask
make bold with
make bones about
make bones of
make book
make both ends meet
make bricks without straw
make businesslike
make capital of
make capital out of
make ceramics
make certain
make choice of
make clear
make cold
make comfortable
make common cause
make common cause with
make compensation
make complex
make concave
make concessions
make conditional
make confession
make conform
make connection
make contact with
make contingent
make conversation
make court to
make delivery
make dependent
make dispositions for
make dissimilar
make distinctions
make do
make do with
make doubt
make drunk
make ducks and drakes of
make due provision for
make dutiable
make economies
make elastic
make electric
make ends meet
make every effort
make expiation
make explosive noise
make eyes at
make fair promise
make fair weather
make false pretenses
make fast
make for
make for health
make foul water
make four
make free
make free of
make free with
make friends with
make fun
make fun of
make game of
make go
make goo-goo eyes at
make good
make good time
make good use of
make good weather
make good your escape
make good your promise
make good your word
make grandiloquent
make graphics
make grieve
make grow
make happy
make haste
make haste slowly
make hay
make hay of
make hay while the sun shines
make head
make head against
make headway
make heavy weather
make heavy weather of it
make her number
make holiday
make hopeless
make hot
make hot under the collar
make human
make ill-humored
make immortal verse
make imperative
make impossible
make incumbent
make innovations
make inquiry
make inquisition
make it
make it a condition
make it clear
make it felt
make it hot for
make it quick
make it snappy
make it so
make it tough for
make it up
make it up to
make it with
make it your business
make its appearance
make justice prevail
make knots
make known
make land
make larger
make late
make laws
make leeway
make legal
make legal and binding
make legendary
make lie down and roll over
make lie down and turn over
make light
make light of
make lighter
make like
make likely
make liquor
make little of
make love
make mad
make magnetic
make mandatory
make matters up
make mention of
make merry
make merry with
make mincemeat of
make money
make money by
make more acute
make more likely
make more than one
make more than you
make mountains out of molehills
make much ado about
make much ado about nothing
make much of
make music
make nervous
make no bones about
make no bones about it
make no doubt
make no mistake
make no provision
make no scruple of
make no sign
make nothing of
make obeisance
make obligatory
make of
make off
make off with
make one
make one easy
make one tremble
make one's blood run cold
make one's flesh creep
make one's hair stand on end
make one's teeth chatter
make oneself heard
make out
make out a case
make out a report
make out like
make out with
make over
make overtures
make parallel
make parts
make pay through the nose
make peace
make perfect
make place
make plain
make plates
make pleasant
make pliant
make plumb
make port
make possible
make precise
make preparations
make prints
make probable
make profit
make progress
make progress against
make propitiation
make proud
make provision for
make public
make purple
make putty of
make quits
make rapid strides
make ready
make red
make redundant
make reference to
make reparation
make reprisal
make requisition
make requital
make reservations
make restitution
make retribution
make right
make right prevail
make room
make round
make sacrifice to
make sad
make sad work of
make safe
make sail
make sea room
make secure
make semitransparent
make sense
make sensitive
make shift
make short work of
make sit up and beg
make small
make smell like roses
make so bold as to
make soft
make someone see stars
make sore
make space
make special
make staccato sounds
make sternway
make strides
make suit to
make supplication
make sure
make sure against
make sure of
make talk
make terms
make the air blue
make the best of
make the best of a bad bargain
make the best of it
make the best of your time
make the best of your way
make the butt of your humor
make the chips fly
make the dust fly
make the eagle scream
make the eyes water
make the flesh crawl
make the flesh creep
make the fur fly
make the grade
make the mind a blank
make the most of
make the most of it
make the most of your time
make the mouth water
make the round of
make the rules
make the scene
make the sign of the cross
make the sign of the cross over
make the sign of the cross upon
make the sparks fly
make the supreme sacrifice
make the welkin ring
make the worst of
make things hum
make threads
make time
make time stand still
make tired
make too much of
make tough
make toward
make toxic
make tracks
make tributary
make trouble
make uncertain
make unfeeling
make uniform
make unintelligible
make unique
make up
make up accounts
make up for
make up for lost time
make up leeway
make up to
make up your mind
make use of
make vertical
make viscid
make void
make war
make war on
make water
make waves
make way
make way for
make way into
make welcome
make whoopee
make with
make worse
make you a
make you a compliment
make you fed-up
make you feel at home
make you feel welcome
make you jump out of his skin
make you puke
make you retch
make you say 'uncle'
make you see
make you see double
make you shit your pants
make you shudder
make you sick
make you sick in the stomach
make you sick to the stomach
make you sing small
make you sit up and take notice
make you stare
make you tiddly
make you tired
make you tremble
make you vomit
make young
make your adieus
make your appearance
make your bed
make your bed and lie on it
make your blood boil
make your blood run
make your blood run cold
make your bow
make your business
make your case
make your cause your own
make your choice
make your compliments to
make your debut
make your escape
make your exit
make your field
make your flesh creep
make your fortune
make your hair stand on end
make your head reel
make your head revolve
make your head spin
make your head swim
make your head whirl
make your heart bleed
make your home
make your keep
make your mark
make your mouth water
make your move
make your nerves tingle
make your oath
make your own
make your own way
make your peace
make your pile
make your point
make your rounds
make your salutations
make your skin crawl
make your teeth chatter
make your voice heard
make your way
make your way to
make yourself acquainted with
make yourself at home
make yourself comfortable
make yourself conspicuous
make yourself easy about
make yourself easy on that score
make yourself felt
make yourself heard
make yourself master of
make yourself part of
make yourself scarce
make yourself understood
make-
make-ado
make-belief
make-believe
make-do
make-faith
make-falcon
make-fire
make-fray
make-game
make-hawk
make-king
make-law
make-mirth
make-or-break
make-out artist
make-peace
make-ready
make-shame
make-sport
make-talk
make-up
make-way
make-weight
make-work
maker's mark
maker-off
maker-up
makes of
makes you shiver
makeup artist
makeup man
making a clean breast
making a leg
making a part of
making again
making amends
making an end
making blind
making certain
making distinctions
making do
making foolish
making good
making iron
making it with
making light
making no bones about it
making once more
making over
making ready
making right
making scenes
making soft
making up
making way
making yourself scarce
making-up
taking-up
taking-up day
taking-up price
mako shark
mal a propos
mal de mer
mal de pinto
mal du pays
mal-
mal-entendu
mal-observation
mala fide
mala fides
malac-
malacca cane
malachite green
malaco-
malade imaginaire
maladie du pays
maladjusted personality
malar bone
malarial fever
malayo-
male alto
male animal
male bamboo
male being
male cat
male chauvinism
male chauvinist
male chauvinist pig
male fern
male gamete
male line
male organs
male person
male rhyme
male servant
male sex
male turkey
male-
male-sterile
maleic acid
maleic hydrazide
malevolent influence
malgre soi
malic acid
malice aforethought
malice prepense
malicious defamation
malicious gossip
malicious mischief
malignant catarrh
malignant catarrhal fever
malignant granuloma
malignant growth
malignant hypertension
malignant lymphoma
malignant pustule
malignant tumor
malleable cast iron
malleable iron
mallee bird
mallee fowl
mallee root
malleh bug
mallow family
mallow pink
mallow rose
mallow rust
mallow tree
malm rock
malonic acid
malonic ester
malonyl group
malonyl radical
maloo climber
malpighian layer
malpighian tube
malpractice insurance
malt extract
malt house
malt liquor
malt sugar
malt vinegar
malt whiskey
malt whisky
malt-dust
malt-horse
malt-house
malt-worm
malta fever
malted milk
maltese cat
maltese cross
malum in se
mama's boy
mamma's boy
mammary gland
mammato-cumulus
mammee apple
mammee colorado
mammee sapota
mammoth tree
mammy coot
mammy wagon
mamori katana
man Friday
man about town
man after your own heart
man alive
man and boy
man and wife
man and woman
man ape
man engine
man fish
man friday
man from Mars
man fungus
man higher up
man hunt
man hunter
man in the moon
man in the street
man jack
man lock
man midwife
man mountain
man of God
man of action
man of all work
man of commerce
man of courage
man of deeds
man of experience
man of few words
man of genius
man of good will
man of his word
man of honor
man of influence
man of intellect
man of iron
man of learning
man of letters
man of mark
man of means
man of men
man of mettle
man of note
man of old
man of parts
man of property
man of science
man of straw
man of substance
man of taste
man of the cloth
man of the house
man of the people
man of the world
man of wealth
man of wisdom
man on the flying trapeze
man on the make
man overboard
man power
man the garrison
man tiger
man with hair on his chest
man without a country
man's best friend
man's estate
man-aborring
man-about-town
man-at-arms
man-back
man-bearing
man-begot
man-bodied
man-born
man-brute
man-carrying
man-catch
man-centered
man-changed
man-child
man-compelling
man-created
man-day
man-days
man-degrading
man-destroying
man-devised
man-devouring
man-eater
man-eating
man-eating shark
man-enchanted
man-fashion
man-fearing
man-for-man defense
man-forked
man-god
man-grown
man-handle
man-hater
man-hating
man-headed
man-high
man-hole
man-hour
man-hunter
man-keen
man-killer
man-killing
man-made
man-maiming
man-making
man-midwife
man-midwifery
man-milliner
man-mimicking
man-minded
man-minute
man-o'-war
man-o'-war bird
man-of-the-earths
man-of-war
man-of-war bird
man-of-war fish
man-of-war's man
man-orchis
man-pleasing
man-record chart
man-ridden
man-servant
man-shaped
man-size
man-sized
man-sized job
man-sized meal
man-stalking
man-subduing
man-supporting
man-tailored
man-taught
man-to-man
man-to-man defense
man-trap
man-woman
man-worshiping
man-worthiness
man-worthy
man-year
manage somehow
manage the price of
manage to
manage with
manage yourself
manageable price
managed currency
managed price
managed prices
management accounting
management consultant
management consulting
management engineering
management information system
management share
management theory
management trust
managing director
managing editor
mancona bark
mandarin duck
mandarin orange
mandated territory
mandatory injunction
mandatory primary
mandatory referendum
mandelic acid
mandibulo-
mandibulo-auricularis
mando-bass
mando-cello
mandrel lathe
mandrel press
maned wolf
manettia vine
maneuver tactics
maneuvering room
maneuvering space
mangabeira rubber
mangan-
manganese bronze
manganese brown
manganese dioxide
manganese epidote
manganese heptoxide
manganese oxide
manganese sesquioxide
manganese spar
manganese steel
manganese sulfate
manganese tetroxide
manganese velvet brown
manganese violet
manganic acid
manganeseous sulfate
mange mite
mange-mange
mangel-wurzel
manger board
manger son ble en herbe
mangle operator
mangle rack
mangle wheel
mango anthracnose
mango bird
mango fish
mango ginger
mango melon
mango-squash
mangold fly
mangold-wurzel
mangrove catechu
mangrove cuckoo
mangrove family
mangrove mullet
mangrove skipper
mangrove snapper
mangum terrace
manhood suffrage
mania a potu
maniaccal excitement
manic condition
manic state
manic-depressive
manic-depressive psychosis
manicoba rubber
maniere criblee
manifest content
manifest destiny
manifest itself
manifest yourself
manifold paper
manifold pressure gauge
manila grass
manila hemp
manila paper
manipulate the market
manipulated market
manipulated variable
manipulative surgery
manlike types
manly art of self-defense
manly vigor
mann tree
mann-
manna ash
manna from heaven
manna grass
manna gum
manna in the wilderness
manna insect
manna lichen
manna sugar
manna-croup
manned rocket
manned station
manner of articulation
manner of being composed
manner of speaking
manner of working
manners of cooking
mannish bob
mannish female
mannish wavy shingle
mannitol hexanitrate
manometer pressure
manor farm
manor house
manor manege
manor-house
manrope knot
mansard roof
mansion house
mansion-house
mansions in the sky
manstopping bullet
manta ray
mantel shelf
mantel-tree
mantis crab
mantis shrimp
mantle cavity
mantle of snow
mantle rock
mantle yourself with
mantle-rock
mantled in darkness
mantoux test
manual alphabet
manual art
manual arts school
manual control
manual labor
manual of instruction
manual training
manubial column
manufactured gas
manufacturer's agent
manufacturing center
manufacturing lathe
manufacturing plant
manufacturing quarter
manufacturing town
manure pile
manx cat
many a time
many a time and oft
many and various
many irons in the fire
many thanks
many times
many times over
many-
many-acred
many-angled
many-armed
many-banded
many-beaming
many-belled
many-bleating
many-blossomed
many-blossoming
many-branched
many-breasted
many-celled
many-chambered
many-cobwebbed
many-colored
many-coltered
many-cornered
many-eared
many-eyed
many-faced
many-facedness
many-faceteted
many-flowered
many-folded
many-formed
many-fountained
many-gifted
many-handed
many-headed
many-headed multitude
many-headedness
many-horned
many-hued
many-jointed
many-knotted
many-languaged
many-lay
many-leaved
many-legged
many-lived
many-lobed
many-meaning
many-millioned
many-minded
many-mingled
many-mingling
many-mouthed
many-named
many-nationed
many-nerved
many-one
many-parted
many-peopled
many-petaled
many-pigeonholed
many-pillared
many-pointed
many-ranked
many-rayed
many-ribbed
many-rooted
many-rowed
many-seated
many-seatedness
many-seeded
many-sided
many-sidedness
many-sounding
many-spangled
many-spotted
many-steepled
many-stemmed
many-storied
many-stringed
many-syllabled
many-tailed
many-tinted
many-toned
many-tongued
many-towered
many-tribed
many-tubed
many-twinkling
many-valued
many-valued logic
many-valved
many-veined
many-voiced
many-wandering
many-weathered
many-winding
many-windowed
many-wintered
many-yeared
map lichen
map maker
map making
map out
map projection
map reader
map reading
map turtle
maple ash
maple borer
maple eye
maple family
maple scale
maple sirup
maple sugar
maple syrup
maple syrup urine disease
maple worm
maple-faced
maple-leaved
mar-
mar-hawk
marabou stork
maraging steel
marang nut
maraschino cherries
maraschino cherry
marathon race
marble cake
marble cork
marble flower
marble thrush
marble-arched
marble-breasted
marble-calm
marble-checkered
marble-colored
marble-constant
marble-covered
marble-faced
marble-grinding
marble-hard
marble-imaged
marble-looking
marble-minded
marble-mindedness
marble-pale
marble-paved
marble-piled
marble-pillared
marble-polishing
marble-quarrying
marble-ribbed
marble-sculptured
marble-topped
marble-white
marbled paper
marc de Burgogne
marcel wave
march against
march away
march in double-quick time
march in quick time
march of events
march of time
march off
march on
march out
march out of step
march past
march stone
march tempo
march under the banner of
march up to the cannon's mouth
march upon
march with
march-land
march-man
march-past
marche aux puces
marching orders
marchioness-ship
marconi rig
mardi gras
mare clausum
mare liberum
mare nostrum
mare's nest
mare's tail
mare's-nest
mare's-tail
mare-rod
marechal niel
mares of Diomedes
margaric acid
margate fish
margin draft
margin line
margin of lift
margin of power
margin purchaser
margin up
marginal affair
marginal land
marginal man
marginal matter
marginal note
marginal sea
marginal utility
margined securities
maria theresa dollar
mariage de convenance
marigold finch
marigold window
marigold yellow
marijuana cigarette
marijuana smoker
marine animal
marine animals
marine barometer
marine belt
marine biology
marine blue
marine chronometer
marine corps
marine engine
marine engineer
marine engineering
marine glue
marine green
marine insurance
marine ivy
marine league
marine painter
marine painting
marine railway
marine shell
marine soap
marine store
marine superintendent
marine travel
marine-finish
mariner's chart
mariner's compass
market gardening
market hunter
market index
market keeper
market letter
market mammy
market order
market overt
market penny
market place
market pot
market price
market research
market town
market value
market, the
market-ripe
marketable securities
marketing research
marking caliper
marking cotton
marking gage
marking gauge
marking hammer
marking hatchet
marking ink
marking iron
marking knife
marking nut
marking stitch
marking the occasion
marl grass
marl-pit
marlin swordfish
marline-spike
marlinespike fish
marlinespike hitch
marlinespike seamanship
marling hitch
marmalade box
marmalade plum
marmalade tree
marmoreal repose
marmot squirrel
marnean epoch
maroon red
marquise rose
marquoise scale
marram grass
marriage act
marriage bed
marriage brokage
marriage broker
marriage ceremony
marriage chest
marriage connection
marriage contract
marriage counselor
marriage deities
marriage encounter
marriage flight
marriage god
marriage goddess
marriage guidance
marriage license
marriage of convenience
marriage portion
marriage proposal
marriage relationship
marriage sacrament
marriage settlement
marriage song
marriage vow
marriage-bed
married couple
married love
married man
married name
married print
married state
married status
married woman
marron glace
marrons glac
marrow bean
marrow cabbage
marrow pea
marrow squash
marry into
marry off
marsh andromeda
marsh bent
marsh blackbird
marsh bluebill
marsh buck
marsh cress
marsh crocodile
marsh deer
marsh elder
marsh fern
marsh fever
marsh five-finger
marsh foxtail
marsh gas
marsh grass
marsh harrier
marsh hawk
marsh hen
marsh mallow
marsh marigold
marsh parsley
marsh pea
marsh peep
marsh pennywort
marsh pine
marsh pink
marsh plover
marsh purslane
marsh quail
marsh rabbit
marsh robin
marsh rosemary
marsh samphire
marsh shield fern
marsh speedwell
marsh spike grass
marsh spot
marsh stitchwort
marsh tea
marsh tern
marsh tit
marsh titmouse
marsh treader
marsh trefoil
marsh turnip
marsh vetchling
marsh violet
marsh warbler
marsh watercress
marsh wren
marsh-mallow
marshal your ideas
marshal your thoughts
marshal’s baton
marshalling yard
marsupial mole
marsupial mouse
martello tower
martial arts
martial law
martial music
martial spirit
martin snipe
martingale backrope
martingale boom
marumi kumquat
marvel-of-Peru
mary jane
mary magdalene
mascarene grass
mascot blue
masculine caesura
masculine ending
masculine rhyme
masculo-
mash machine
mash note
mash tun
mash up
mash weld
mashie iron
mashie niblick
mask microphone
mask of death
mask stop
masked ball
masking piece
masking tape
mason bee
mason jar
mason moth
mason spider
mason wasp
mason's line
mason's lung
mason-dixon line
masquerade as
masquerade ball
masquerade party
mass action
mass attack
mass card
mass defect
mass destruction
mass energy
mass in
mass leave
mass man
mass market
mass media
mass meeting
mass movement
mass murder
mass noun
mass number
mass observation
mass observer
mass of the presanctified
mass production
mass ratio
mass reflex
mass spectrograph
mass spectrography
mass spectrometer
mass spectrometry
mass spectroscope
mass spectroscopy
mass spectrum
mass suicide
mass unit
mass-book
mass-energy
mass-energy equation
mass-fiber
mass-house
mass-luminosity law
mass-minded
mass-mindedness
mass-monger
mass-penny
mass-priest
mass-produce
mass-produced
mass-word
masses of
massor mass
massy-proof
mast ball
mast band
mast brown
mast cell
mast clamp
mast cloth
mast cover
mast funnel
mast hasp
mast hoop
mast house
mast lining
mast partner
mast ring
mast track
mast tree
mast-
mast-fed
mast-head
master alloy
master bedroom
master builder
master carpenter
master chief petty officer
master chord
master clock
master compass
master control desk
master controller
master craftsman
master cylinder
master film
master gauge
master gunner
master hand
master key
master leaf
master map
master mariner
master mason
master matrix
master mechanic
master of
master of ceremonies
master of foxhounds
master of style
master of the house
master of the revels
master of the rolls
master of the situation
master plan
master race
master rod
master screw
master sergeant
master shifter
master spirit
master spirit of the age
master spring
master stroke
master switch
master tap
master touch
master wheel
master workman
master your feelings
master yourself
master's degree
master's degree candidate
master's gown
master's oral
master-at-arms
master-builder
master-hand
master-key
master-mason
master-singer
master-slave manipulator
master-stroke
master-vein
master-work
masters-at-arms
mastery of skills
masthead angle
masthead compass
mastic tree
mastiff bat
masting house
masto-
mastodon locomotive
mastoid cell
mastoid process
mat bean
mat burn
mat cane
mat finish
mat of hair
mat rush
mat-covered
mat-forming
mat-ridden
mat-roofed
mata-mata
matc-maker
match coins
match cord
match data
match findings
match frame
match game
match hook
match in the powder barrel
match joint
match lining
match pipe
match plane
match plate
match play
match point
match race
match rifling
match rope
match stamp
match tub
match up with
match wheel
match yourself against
match-board
match-lined
matchbox bean
matched order
matching machine
matching pair
matching plane
matching set
matchless discordant
mate gourd
mateo-
mater dolorosa
mater lectionis
mater of fact
materia medica
material assets
material basis
material body
material cause
material costs
material culture
material fallacy
material grounds
material logic
material means
material part
material point
material resources
material thing
material things
material wealth
material world
materials handling
maternal ancestor
maternal love
maternity benefit
maternity hospital
maternity insurance
maternity ward
mathematical elements
mathematical expectation
mathematical induction
mathematical linguistics
mathematical logic
mathematical notation
mathematical physicist
mathematical physics
mathematical point
mathematical precision
mathematical probability
mathematically exact
mathematically probable
mathematico-
mathematico-logical
mathematico-physical
matilija poppy
matin song
matinee idol
matinee race
matinee racing
mating call
mating cry
mator mate
matr-
matre d'hôtel
matre d'hôtel butter
matri-
matricaria camphor
matrimonial agency
matrimonial agent
matrimonial bureau
matrimonial union
matrimony vine
matrix algebra
matrix mechanics
matrix paper
matrix sentence
matron of honor
matron of honour
matron-like
matt weave
matte shot
matted hair
matter in deed
matter in hand
matter informalism
matter informalist
matter little
matter of chance
matter of concern
matter of course
matter of fact
matter of ignorance
matter of importance
matter of indifference
matter of interest
matter of law
matter of life and death
matter of life or death
matter of necessity
matter of no consequence
matter of no importance
matter of record
matter painting
matter waves
matter-of
matter-of-course
matter-of-fact
matter-of-factly
matter-of-factness
matters in hand
matters of importance
mattress type
matura diamond
mature age
mature belief
mature judgment
mature man
mature thought
mature woman
matutinal epilepsy
matzo ball soup
matzo balls
matzo meal
matzoth baker
maundy thursday
mauvais quart d'heure
mauvais sujet
mauvaise honte
mauve blush
mauve decade
maxillo-
 maximal ideal
maximum dissemination
maximum likelihood
maximum modulus principle
maximum speed
maximum thermometer
maximum-security prison
may I
may day
may duke
may it please you
may queen
may tree
may-apple
may-bug
may-bush
may-butter
may-day
may-dew
may-flowering tulip
may-fly
may-game
may-lady
may-lord
may-woon
mayfair tan
mayor-elect
mazal tov
maze-gane
mazel tov
mazer tree
mcm1io n9p8y9r lilglhut
me-too
me-tooism
me-ward
mea culpa
meadow anemone
meadow barley
meadow beauty
meadow bell
meadow bird
meadow brook
meadow brown
meadow cabbage
meadow campion
meadow chicken
meadow chickweed
meadow clover
meadow crake
meadow cress
meadow crocus
meadow crowfoot
meadow cup
meadow death camass
meadow fern
meadow fescue
meadow foxtail
meadow gowan
meadow grass
meadow grasshopper
meadow green
meadow hen
meadow land
meadow lark
meadow lily
meadow moor
meadow mouse
meadow mushroom
meadow mussel
meadow nematode
meadow nuts
meadow nymph
meadow orchis
meadow ore
meadow parsnip
meadow pea
meadow peat
meadow pine
meadow pink
meadow pipit
meadow queen
meadow reed grass
meadow rice grass
meadow rue
meadow saffron
meadow sage
meadow salsify
meadow saxifrage
meadow scabish
meadow snipe
meadow soft grass
meadow sorrel
meadow spear grass
meadow titling
meadow vetchling
meadow vole
meadow-beauty family
meadow-brown
meadow-sweet
meadows and pastures
meager diet
meaking iron
meal beetle
meal moth
meal offering
meal pennant
meal plum
meal snout moth
meal ticket
meal worm
mealie meal
mealy bellwort
mealy bug
mealy-back
mealy-mouthed
mealy-mouthedness
mean anomaly
mean business
mean calorie
mean deviation
mean deviation from the mean
mean distance
mean free path
mean latitude
mean life
mean line
mean mind
mean much
mean noon
mean nothing
mean planet
mean sea level
mean semitone
mean solar day
mean solar time
mean square
mean square deviation
mean sun
mean time
mean to
mean to imply
mean to say
mean to suggest
mean value
mean value theorem
mean well
mean what you say
mean while
mean wretch
mean-acting
mean-conditioned
mean-dressed
mean-looking
mean-minded
mean-souled
mean-spirited
mean-spiritedly
mean-spiritedness
mean-square error
mean-time clock
mean-tone tuning
mean-witted
meander belt
meander line
meandering stream
means of access
means of carrying
means of conveyance
means of dealing
means of production
means of transporting
means test
means to an end
meantone system
measles vaccine
measure against
measure depth
measure for measure
measure line
measure of my days
measure off
measure out
measure signature
measure swords
measure swords with
measure time
measure up
measure up to
measure your length
measure zero
measurement cargo
measurement of variables
measurement ton
measuring cup
measuring device
measuring glass
measuring machine
measuring rod
measuring stick
measuring wheel
measuring worm
meat ax
meat block
meat breakfast
meat by-product
meat chopper
meat cleaner
meat eater
meat fly
meat grinder
meat loaf
meat market
meat offering
meat packer
meat pie
meat preserver
meat saw
meat slicer
meat stew
meat tea
meat thermometer
meat-eater
meat-eating
meat-fed
meat-hungry
meat-packing
meat-o-
mechanic’s lien
mechanical advantage
mechanical aid
mechanical aptitude
mechanical arts
mechanical binding
mechanical bird
mechanical device
mechanical drawing
mechanical engineer
mechanical engineering
mechanical equivalent of heat
mechanical heart
mechanical impedance
mechanical instrument
mechanical man
mechanical means
mechanical metallurgy
mechanical piano
mechanical refrigeration
mechanical suspension
mechanical telephone
mechanical tissue
mechanical twin
mechanical vector
mechanical wave
mechanically precise
mechanico-
mechanized warfare
medaddy-bush
medal bronze
medal chief
medal for merit
medal of freedom
medal of honor
medal play
medal winner
meddle with
meden agan
medi-
media campaign
medial condyle
medial strip
median strip
mediastino-pericardial
mediastino-pericarditis
mediastinum testis
mediated generalization
medical Greek
medical aid
medical and surgical instruments
medical attendant
medical attention
medical care
medical center
medical certificate
medical corps
medical diagnosis
medical diathermy
medical dressing
medical ethics
medical examination
medical examiner
medical history
medical instrument
medical jurisprudence
medical jury
medical man
medical practice
medical practitioner
medical prognosis
medical school
medical treatment
medicinal herbs
medicinal leech
medicinal oil
medicine animal
medicine bag
medicine ball
medicine case
medicine chest
medicine dance
medicine dropper
medicine glass
medicine lodge
medicine man
medicine monger
medicine shop
medicine show
medicine tree
medicine wolf
medico-
medico-legal medicine
medieval latin
medieval literature
medieval mode
medio-
medio-passive
meditate over
meditate upon
mediterranean flour moth
mediterranean fruit fly
medium artillery
medium bomber
medium frequency
medium of exchange
medium of transportation
medium quarto
medium shot
medium wave
medium-dated
medium-rare
medium-sized
medley cloth
medley of colors
medley race
medley relay
medulla oblongata
medulla oblongatas
medullae oblongatae
medullary ray
medullary sheath
medusa bud
medusa's head
meed of praise
meek soul
meek-browed
meek-eyed
meek-eyed Morn
meek-minded
meek-spirited
meerschaum enameler
meet a bet
meet adversity
meet an obligation
meet and right
meet around the conference table
meet boldly
meet eyeball to eyeball
meet face to face
meet halfway
meet hand-to-hand
meet head-on
meet her
meet one’s end
meet requirements
meet squarely
meet the expense of
meet the eye
meet the gaze
meet up with
meet with
meet with a loss
meet with approval
meet with attention
meet with foul play
meet with success
meet you at every turn
meet your Maker
meet your Waterloo
meet your commitments
meet your death
meet your fate
meet your obligations
meet your wishes
meeting house
meeting of minds
meeting place
meeting rail
meeting-house
meeting-place
meetone’s end
meetyour end
mega-
megal-
megalithic tomb
megal-
megaloblastic anaemia
megavolt-ampere
megawatt-hour
mein Herr
meiwa kumquat
melamine resin
melan-
melancholia attonita
melancholia hypochondriaca
melancholia religiosa
melano-
melanocyte-stimulating hormone
melba toast
melegueta pepper
melic grass
melic poetry
melilite-basalt
mell-doll
mell-supper
mellow wisdom
mellow-breathing
mellow-colored
mellow-deep
mellow-eyed
mellow-flavored
mellow-lighted
mellow-looking
mellow-mouthed
mellow-ripe
mellow-tasted
mellow-tempered
mellow-toned
melodic interval
melodic line
melodic minor
melodic minor scale
melody part
melon aphid
melon apple
melon beetle
melon cactus
melon caterpillar
melon fly
melon foot
melon loco
melon louse
melon moth
melon pear
melon seed
melon shell
melon shrub
melon thistle
melon tree
melon worm
melon-bulb
melon-faced
melon-formed
melon-laden
melon-leaved
melon-shaped
melon-yellow
melt away
melt down
melt in tears
melt in the air
melt into
melt into one
melt like snow
melt the heart
melting mood
melting point
melting pot
melton cloth
mem-sahib
member bank
member in good standing
member of the bar
member of the human race
member of the intelligentsia
members in Christ
members of the bar
membrana propria
membrana serosa
membrana tympana
membrane bone
membranous labyrinth
membranous labyrinth
memento mori
memo book
memorandum book
memorandum head
memoria in aeterna
memoria technica
memorial arch
memorial column
memorial day
memorial park
memorial record
memorial rose
memorial statue
memorial stone
memorial tablet
memory bank
memory book
memory circuit
memory gap
memory like a sieve
memory obstruction
memory root
memory span
memory trace
memory training
memory tubes
memory verse
memory-trace
men's chorus
men's clothing
men's lounge
men's magazine
men's room
men's wear
men's-wear shop
men-
men-at-arms
men-children
men-folk
men-of-the-earth
men-of-war
menace to health
menage a trois
menage man
mend sail
mend the furl
mend your fences
mend your manners
mend your ways
mendel's law
mendicant friar
mendicant order
mendoza beaver
menhaden boat
menhaden oil
mening-
meningo-
meningo-osteophlebitis
meno mosso
meno-
menopausal arthritis
mens rea
mens sana in corpore sano
menstrual discharge
menstrual epact
menstrual epilepsy
menstrual equation
menstrual flow
mental image
mental impression
mental instability
mental institution
mental labor
mental linking
mental object
mental outlook
mental philosophy
mental picture
mental poise
mental presentation
mental process
mental prominence
mental ratio
mental representation
mental reservation
mental retardation
mental set
mental shock
mental sickness
mental strain
mental subnormality
mental symptom
mental telepathist
mental telepathy
mental test
mental topography
mental void
mental weakness
mentally blind
mentally defective
mentally defective personality
mentally deficient
mentally handicapped
mentally ill
mentally retarded
mentally sick
mentally sound
menteur a triple etage
menthane group
mention confidentially
mention in passing
mention privately
mention to
mentioned in dispatches
mento-
menue viande
meperidine hydrochloride
mercantile agency
mercantile business
mercantile economy
mercantile law
mercantile marine
mercantile paper
mercantile system
mercapto group
mercapto radical
mercaptoprojective
merchant adventurer
merchant bank
merchant banker
merchant flag
merchant fleet
merchant guild
merchant marine
merchant navy
merchant prince
merchant ship
merchant venturer
merchant-adventurer
merchant-tailor
merchant-venturer
merci beaucoup
mercurial barometer
mercurial mind
mercurial ointment
mercurial telescope
mercuric chloride
mercuric oxide
mercuric subsulfate
mercuric sulfide
mercuric sulphide
mercurious chloride
mercury arc
mercury barometer
mercury bath
mercury bichloride
mercury boiler
mercury cell
mercury chloride
mercury cyanide
mercury dichloride
mercury fulminate
mercury iodide
mercury lamp
mercury mass
mercury oxide
mercury perchloride
mercury poisoning
mercury subchloride
mercury sulfide
mercury sulphide
mercury switch
mercury thiocyanate
mercury weed
mercury-arc lamp
mercury-arc rectifier
mercury-discharge lamp
mercury-vapor detector
mercury-vapor lamp
mercury-vapor tube
mercury-vapor turbine
mercury-vapour lamp
mercy flight
mercy killer
mercy killing
mercy seat
mercy stroke
mercy-seat
mere caricature
mere chance
mere child
mere child's play
mere counterfeit
mere existence
mere externals
mere facade
mere farce
mere few
mere hint
mere noise
mere nothing
mere notion
mere rhetoric
mere scratch
mere shadow
mere show
mere skin and bones
mere subsistence
mere talk
mere theory
mere things
mere tropism
mere wreck
merely exist
merely glimpsed
merely nominal
merely surface
merge in
merge into
meridian angle
meridian circle
meridian of life
meridian section
merit badge
merit rate
merit system
merit-monger
mermaid weed
mermaid’s purse
mero cabrilla
mero-
merocrine gland
meromorphic function
merry as a cricket
merry as a grig
merry chase
merry dancers
merry man
merry men
merry-andrew
merry-andrewism
merry-andrewize
merry-eyed
merry-faced
merry-go-round
merry-hearted
merry-make
merry-making
merry-meeting
merry-minded
merry-singing
merry-smiling
merry-totter
mes-
mescal bean
mescal button
mescal buttons
mescal maguey
mesh bag
mesh connection
mesh knot
meshing-spur gear
mesityl oxide
mesmeric sleep
mesne lord
meso-
mesoxalyl-urea
mesquite grass
mesquite gum
mess about
mess about with
mess around
mess around with
mess beef
mess call
mess gear
mess hall
mess in
mess jacket
mess kit
mess pork
mess sergeant
mess steward
mess up
mess with
mess-john
mess-up
message carrier
message stick
message-bearer
messed up
messed-up
messenger RNA
messenger bird
messenger cable
messenger of God
messenger wire
messiah religion
messing around
meta-
meta-toluidine
metabolic disease
metabolic diseases
metabolic heat
metabolic pathway
metabolic psychosis
metacentric stability
metacresol purple
metagalactic space
metal age
metal breaker
metal carbonyl
metal casting
metal cloth
metal coloring
metal cut
metal detector
metal foil
metal fouling
metal lath
metal lather
metal leaf
metal paste-up
metal sculpture
metal spraying
metal wood
metal-bearing
metal-bending
metal-boring
metal-bound
metal-broaching
metal-bushed
metal-clad
metal-clasped
metal-cleaning
metal-coated
metal-covered
metal-cutting
metal-decorated
metal-drilling
metal-drying
metal-edged
metal-embossed
metal-forged
metal-framed
metal-free phthalocyanine
metal-grinding
metal-jacketed
metal-lined
metal-lithography
metal-melting
metal-perforating
metal-piercing
metal-shaping
metal-sheathed
metal-slitting
metal-slotting
metal-studded
metal-testing
metal-tipped
metal-trimming
metallic bond
metallic conduction
metallic luster
metallic soap
metallic thermometer
metallic wood-boring beetle
metallo-
metallo-organic
metallurgical chemistry
metallurgical engineer
metallurgical engineering
metallurgical microscope
metamict substance
metamorphic cycle
metamorphic rock
metanil yellow
metaphorical meaning
metaphorical sense
metaphosphoric acid
metaphysical idealism
metaphysical poetry
metaphysico-
metastable state
metastatic inflammation
metastatic tumor
mete out
mete out to
meteor crater
meteor dust
meteor dust impacts
meteor shower
meteor swarm
meteor trail
meteor train
meteoric particles
meteoric shower
meteoric success
meteorological instrument
meteorological reconnaissance
meteorological tower
meter angle
meter fixer
meter maid
meter rate
meter relay
meter-ampere
meter-candle
meter-candle-second
meter-kilogram
meter-kilogram-second
meter-millimeter
meter-reading
metered mail
metes and bounds
meth-
methacrylate resin
methacrylic acid
methamphetamine hydrochloride
methane series
methanol alcohol
methodical signs
methoxy DDT
methoxy group
methoxy radical
methyl acetate
methyl alcohol
methyl aldehyde
methyl benzene
methyl blue
methyl bromide
methyl cellulose
methyl chloride
methyl chlorocarbonate
methyl chloroformate
methyl cyanide
methyl ester
methyl ether
methyl ethyl ketone
methyl green
methyl group
methyl isobutyl ketone
methyl methacrylate
methyl methane
methyl oleate
methyl orange
methyl phenol
methyl phenyl ether
methyl propyl ketone
methyl radical
methyl red
methyl rubber
methyl salicylate
methyl styryl ketone
methyl sulfate
methyl violet
methyl yellow
methyacetic acid
methylated spirit
methylated spirits
methylene azure
methyene blue
methyene chloride
methyene dichloride
methyene group
methyene iodide
methyene radical
methyidyne group
methyidyne radical
methyisobutenyl ketone
methylyphenylcarbinyl acetate
methyrosaniline chloride
methythionine chloride
methylirri-nitro
meticulous attention
meting out
metopon hydrochloride
met-metre-candle
met-kilogram-second
met-carat
met-centner
met-grain
met-hundredweight
met-space
met-system
met-ton
met-topology
metrical accent
metrical foot
metrical form
metrical group
metrical pattern
metrical psalm
metrical unit
metro-metronome mark
metronomic mark
metropolitan area
metropolitan county
metropolitan district
meum et tuum
mew gull
mew up
mewling infant
mexican hairless
mexican spanish
mezankorrie moth
mezereon family
mezza voce
mezzanine floor
mezzanine floor
mezzanine story
mezzo forte
mezzo piano
mezzo staccato
mezzo-mezzo
mezzo-relievo
mezzo-relieves
mezzo-rilievi
mezzo-soprano
mezzo-soprano clef
mica condenser
mica diorite
mica schist
mice pea
mice pink
michaelmas daisy
miching malicho
mickey finn
mickey mouse
mickle-mouthed
mic1n o9p8y9r ii11lutm
micro biology
micro-
micro-aerophile
micro-aerophilic
micro-audiphone
micro-form
micro-instrumentation
micro-movie
mid-carpal
mid-central
mid-century
mid-channel
mid-chest
mid-continent
mid-course
mid-court
mid-crowd
mid-current
mid-diastolic
mid-dish
mid-distance
mid-earth
mid-eighth
mid-feather
mid-field
mid-flight
mid-forty
mid-front
mid-gray
mid-gut
mid-heaven
mid-hour
mid-ice
mid-incisor
mid-kidney
mid-lake
mid-length
mid-lent
mid-life
mid-line
mid-link
mid-lobe
mid-mixed
mid-mouth
mid-movement
mid-nineteenth
mid-ocean
mid-oestral
mid-off
mid-on
mid-orbital
mid-part
mid-period
mid-periphery
mid-pillar
mid-point
mid-position
mid-refrain
mid-region
mid-river
mid-road
mid-sea
mid-season
mid-side
mid-sky
mid-slope
mid-sole
mid-span
mid-stride
mid-styled
mid-sun
mid-swing
mid-tarsal
mid-term
mid-thigh
mid-thoracic
mid-tide
mid-time
mid-totality
mid-tow
mid-town
mid-travel
mid-value
mid-ventral
mid-volley
mid-walk
mid-wall
mid-wall column
mid-water
mid-week
mid-wicket
mid-workings
mid-world
mid-zone
midair collision
midas fly
midday flower
midday sun
midden mavis
middle C
middle Paleolithic
middle age
middle ages
middle body
middle-agedness
middle-burst
middle-class
middle-class type
middle-classdom
middle-classism
middle-classness
middle-colored
middle-cut file
middle-distance
middle-earth
middle-growthed
middle-horned
middle-of-the-road
middle-of-the-roader
middle-rate
middle-road
middle-shot wheel
middle-sized
middle-sizedness
middle-statured
middle-temperature error
middle-tone
middle-witted
middle-wooled
middling meat
middling well
middy blouse
midget golf
midget racer
midnight blue
midnight line
midnight sun
midrange speaker
midship oar
midshipman's hitch
midst of
midsummer daisy
midsummer day
midsummer madness
midsummer-men
midwall column
midwall shaft
midwife frog
midwife toad
midwing monoplane
might and main
might be
might of arms
might-be
might-have-been
mighty effort
mighty in battle
mighty like
mighty-brained
mighty-handed
mighty-minded
mighty-mouthed
mighty-spirited
mignonette family
mignonette green
mignonette lace
mignonette-vine
migrant laborer
migrant shrike
migrant worker
migration of ions
migration velocity
migratory bird
migratory laborer
migratory locust
migratory worker
mikado brown
mikado locomotive
mikado orange
mikado yellow
mike fright
mil-foot
mila a landi
milch cow
milch glass
milch-cow
mild alkali
mild as milk
mild as milk and water
mild as mother's milk
mild blushing goddess
mild mercurous chloride
mild mosaic
mild process
mild radical
mild silver protein
mild steel
mild-aired
mild-aspected
mild-blowing
mild-brewed
mild-cured
mild-eyed
mild-faced
mild-flavored
mild-looking
mild-mannered
mild-mooned
mild-savored
mild-scented
mild-seeming
mild-spirited
mild-spoken
mild-tempered
mild-tongued
mild-worded
mildew-proof
mildly radical
mile-ohm
mile-pound
mile-ton
mileage book
mileage ticket
miles glorious
miles per hour
miliary fever
miliary tuberculosis
military academy
military aircraft
military attache
military band
military camp
military campaign
military chaplain
military cloak
military court
military dictatorship
military engineer
military engineering
military establishment
military flight
military government
military governor
military honours
military insignia
military intelligence
military judge
military law
military man
military march
military mast
military medal
military medicine
military music
military obligation
military officer
military operation
military operations
military orchid
military pace
military pilot
military police
military police corps
military policeman
military reserves
military rocket
military school
military science
military service
military spirit
military step
military subdivision
military tactics
military top
military training
military transport
military unit
military-intelligence man
military-minded
militate against
milk a he-goat into a sieve
milk a scene
milk and honey
milk and water
milk bar
milk bench
milk brother
milk can
milk cart
milk checker
milk chocolate
milk cow
milk fever
milk float
milk glass
milk leg
milk of almonds
milk of bismuth
milk of human kindness
milk of magnesia
milk pail
milk powder
milk products
milk pudding
milk punch
milk purslane
milk route
milk run
milk shake
milk sherry
milk sickness
milk snake
milk stout
milk sugar
milk tester
milk the ram
milk thistle
milk toast
milk tooth
milk train
milk vetch
milk willow-herb
milk-and-water
milk-and-wateriness
milk-and-waterish
milk-and-waterism
milk-and-watery
milk-bearing
milk-blended
milk-borne
milk-breeding
milk-condensing
milk-cooling
milk-curdling
milk-drying
milk-faced
milk-fed
milk-giving
milk-hued
milk-livered
milk-punch
milk-tested
milk-testing
milk-toast
milk-tooth
milk-warm
milk-washed
milk-white
milk-yielding
milking machine
milking stool
milkweed butterfly
milkweed family
milkweed tortoise beetle
milkwort family
milky disease
milky way
milky way galaxy
mill agent
mill around
mill beetle
mill bill
mill cake
mill chisel
mill cinder
mill construction
mill end
mill engineer
mill engineering
mill fever
mill hole
mill outlet
mill run
mill saw
mill store
mill town
mill wheel
mill work
mill-dam
mill-headed
mill-ink
mill-lead
mill-leaf
mill-pond
mill-post
mill-race
mill-rind
mill-round
mill-run
mill-sixpence
mill-type motor
mill-wheel
mille marin
milled soap
miller's thumb
miller's-thumb
millet disease
millet grass
millet seed
millet-seed rash
milli-
milligram-hour
milline rate
milling cutter
milling machine
millionth comparator
millstone around your neck
millstone bridge
millwright chisel
milo disease
milo maize
milo root rot
milori blue
milori green
milpa system
mime artist
mimeograph copy
mimic thrush
miminy-piminy
mimosa bark
mimosa family
mimosa-leaved
min min
mince it
mince pie
mince the truth
mince words
mince-pie
minced meat
minced pie
minced-pie
mincing horse
mincing steps
mind blindness
mind body
mind cure
mind deafness
mind like a blotter
mind like a sieve
mind of your own
mind out
mind overthrown
mind reader
mind reading
mind the store
mind unhinged
mind what you are about
mind what you are doing
mind your P's and Q's
mind your business
mind your manners
mind your own business
mind's core
mind's eye
mind-altering drug
mind-blind
mind-blindness
mind-blowing
mind-blowing drug
mind-body
mind-body problem
mind-boggler
mind-boggling
mind-changer
mind-changing
mind-curist
mind-expanding
mind-expanding drug
mind-expansion
mind-healer
mind-healing
mind-infected
mind-matter theory
mind-perplexing
mind-ravishing
mind-reader
mind-set
mind-sick
mind-stricken
mind-stuff theory
mind-torturing
mind-wrecking
mind-your-own-business
minded to
mindful of
mindful of others
mindless of
mine detector
mine examiner
mine host
mine layer
mine of information
mine of wealth
mine pig
mine ship
mine sweeper
mine thrower
mine work
mine-run
miner's anemia
miner's asthma
miner's consumption
miner's dial
miner's inch
miner's lamp
miner's lettuce
miner's lung
miner's phthisis
mineral acid
mineral black
mineral blue
mineral brown
mineral charcoal
mineral coal
mineral deposit
mineral dressing
mineral jelly
mineral kingdom
mineral oil
mineral pigment
mineral pitch
mineral processing
mineral resources
mineral salt
mineral science
mineral seal oil
mineral sperm oil
mineral spirits
mineral spring
mineral tallow
mineral tar
mineral water
mineral waters
mineral wax
mineral wool
mineral world
mineral-bearing material
mineralogical chemistry
ming tree
mingle with
mingle-mangle
mingle-mangleness
mingle-mangler
mini-
mini-specs
miniature camera
miniature golf
miniature painting
miniature photography
miniature pinscher
miniature poodle
miniature schnauzer
minie ball
minimal art
minimal pair
minimax theorem
minimum access programming
minimum flying speed
minimum free form
minimum lending rate
minimum thermometer
minimum wage
minimum-security prison
minimum-wage law
mining claim
mining engineer
mining engineering
mining geology
minion of the law
minister of music
minister of state
minister of the Gospel
minister plenipotentiary
minister resident
minister to
minister without portfolio
minister-general
ministering angel
ministering spirits
ministers resident
ministers without portfolios
mink frog
mink-ranching
minny bass
mino bird
minole-mangle
minor axis
minor basilica
minor canon
minor chord
minor coin
minor criticism
minor detail
minor details
minor element
minor in
minor interval
minor key
minor league
minor matter
minor mode
minor operation
minor operations
minor order
minor orders
minor party
minor penalty
minor piece
minor planet
minor poet
minor premise
minor premiss
minor role
minor scale
minor second
minor seminary
minor seventh chord
minor suit
minor surgery
minor tenace
minor term
minor triad
minor wrong
minor-league
minor-leaguer
minority carrier
minority group
minority interests
minority leader
minority opinion
minority position
minority prejudice
minority voice
minstrel show
minstrel song
mint bush
mint camphor
mint condition
mint family
mint geranium
mint julep
mint leaves
mint of money
mint sauce
mint stamp
minus acceleration
minus sight
minus sign
minus some buttons
minuscule script
minute attention
minute bell
minute book
minute drops
minute glass
minute gun
minute hand
minute man
minute mark
minute of arc
minute quantity
minute steak
minute thing
minute things
minuteness of detail
mio-
mirabile dictu
miracle drug
miracle drugs
miracle man
miracle play
miracle player
miracle wheat
miracle-breeding
miracle-proof
miracle-worker
miracle-working
mire down
mire dromble
mire duck
miriti palm
mirror carp
mirror image
mirror image, the
mirror of the mind
mirror symmetry
mirror writer
mirror writing
mirror-faced
mirror-writing
mirth-inspiring
mirth-loving
mirth-making
mirth-marring
mirth-moving
mirth-provoking
mis-
mis-aver
mis-censure
mis-center
mis-citation
mis-cite
mis-con
mis-copy
mis-cue
mis-eat
mis-enter
mis-entry
mis-event
mis-hallowed
mis-hear
mis-hearer
mis-heed
mis-hit
mis-hold
mis-humility
mis-lie
mis-mark
mis-meet
mis-pen
mis-rely
mis-say
mis-season
mis-seat
mis-see
mis-seek
mis-seem
mis-send
mis-sense
mis-serve
mis-set
mis-shape
mis-shapen
mis-sheathed
mis-ship
mis-shod
mis-sing
mis-solution
mis-sort
mis-sound
mis-space
mis-speak
mis-spell
mis-spend
mis-start
mis-state
mis-steer
mis-step
mis-stitch
mis-stop
mis-strike
mis-stroke
mis-style
mis-succeeding
mis-sue
mis-suit
mis-sway
mis-swear
mis-sworn
mis-tilled
mis-tune
mis-union
mis-word
misbehave yourself
miscarriage of justice
miscellaneous drugs
misch metal
mischief-loving
mischief-maker
mischief-making
mischief-working
mischio marble
misconduct yourself
misdemean yourself
mise en sc
mise-en-scene
mise-enscene
miserable lot
misery in the head
misfortune- difficulty
misfortune-proof
mish-mash
miso soup
miso-
misoshiru soup
misplaced modifier
misprision of felony
misprision of treason
misread the case
misread the situation
miss a cue
miss an opportunity
miss by a mile
miss fire
miss nothing
miss on the low side
miss out
miss stays
miss the boat
miss the bus
miss the chance
miss the mark
miss the market
miss the truth
miss your aim
miss your footing
miss your mooring
miss-fire
missa cantata
missal letter
missal stand
missel bird
missel thrush
missel tree
missel-bird
missel-thrush
missile engineer
missile engineering
missile guidance
missile man
missile program
missile project
missile research
missile science
missile technology
missile testing
missile warfare
missing link
mission accomplished
mission furniture
mission grass
missionaries apostolic
missionary alphabet
missionary apostolic
missionary position
missionary rector
missionary salesman
missionary weed
misspeak yourself
mist blue
mist concentrate sprayer
mist gray
mist-blotted
mist-blurred
mist-clad
mist-covered
mist-enshrouded
mist-exhaling
mist-impelling
mist-laden
mist-shrouded
mist-wet
mist-wreathen
mistle thrush
mistletoe bird
mistletoe cactus
mistress-piece
mistress-ship
misty rain
misty-eyed
misty-moisty
misunderstand one another
misuse of words
mitch board
mitch-board
miter box
miter box saw
miter cap
miter clamp
miter gear
miter jib
miter joint
miter saw
miter square
miter-clamped
miter-jointed
mitered jib
mitered sail
mithridate mustard
mitigating circumstances
mitis casting
mitis metal
mitral incompetence
mitral insufficiency
mitral stenosis
mitral valve
mitre block
mitre box
mitre joint
mitre square
mitre-jointed
mitre-wort
mitten money
mix Up
mix it up
mix it up with
mix up
mix with
mix yourself up with
mix-hellene
mix-up
mixed acid
mixed bag
mixed blessing
mixed bud
mixed cadence
mixed chorus
mixed crystal
mixed decimal
mixed doubles
mixed drink
mixed drinks
mixed economy
mixed farming
mixed foursome
mixed grill
mixed language
mixed larceny
mixed marriage
mixed metaphor
mixed nerve
mixed number
mixed race
mixed times
mixed up
mixed-blood
mixed-up
mixer tube
mixing faucet
mixing ratio
mixing room
mixing valve
mixo-
mixolydian mode
mixture curve
mixture stop
mixy-maxy
mizen-mast
mizzen royal
mizzen sail
mizzen skysail
mizzen stay
mizzen staysail
mizzen-royal brace
mizzen-royal lift
mizzen-royal mast
mizzen-royal stay
mizzen-royal staysail
mizzen-royal yard
mizzen-skysail brace
mizzen-skysail lift
mizzen-skysail mast
mizzen-skysail stay
mizzen-skysail yard
mizzen-topgallant brace
mizzen-topgallant lift
mizzen-topgallant mast
mizzen-topgallant sail
mizzen-topgallant stay
mizzen-topgallant staysail
mizzen-topgallant yard
mizzen-topmast
mizzen-topmast stay
mizzen-topmast staysail
mizzen-topsail lift
mizzen-topsail yard
mks units
mmHg
mnemonic device
mob law
mob rule
mob tactics
mob, the
mob-cap
mob-minded
mobile antenna
mobile call
mobile camera
mobile command post
mobile home
mobile library
mobile militia
mobile radio
mobile tactics
mobile trailer unit
mobile transmitter
mobile unit
mobile vulgus
mobile warfare
moccasin flower
moccasin plant
moccasin telegraph
mocha stone
mochi wood
mock chicken
mock court
mock danger
mock epic
mock mold
mock moon
mock orange
mock pendulum
mock pennyroyal
mock sun
mock turtle
mock turtle soup
mock up
mock-beggar
mock-bird
mock-heroic
mock-heroic poetry
mock-heroical
mock-heroically
mock-up
mockernut hickory
mockery of justice
molding compounds
molding edge
molding plane
moldy nose
mole catcher
mole crab
mole cricket
mole drain
mole drainage
mole drainer
mole fraction
mole gray
mole plow
mole rat
mole trap
mole-blind
mole-blindedly
mole-catching
mole-eyed
mole-head
mole-hill
mole-sighted
molecular beam
molecular biology
molecular distillation
molecular film
molecular formula
molecular heat
molecular mass
molecular physics
molecular ray
molecular sieve
molecular volume
molecular weight
moll hern
molluscum contagiosum
molluscum epitheliate
mollweide protection
molly maguire
molly washdish
molly-coddle
molotov cocktail
molybdenum steel
molybdenum trioxide
molybdic anhydride
molybdic oxide
moment of force
moment of inertia
moment of momentum
moment of stability
moment of truth
moment-area method
momentary success
momentary triumph
momentary-contact switch
momentum pump
momentum valve
mon cher
mon semblable
mon-
mon-khmer
monad deme
monaural system
monel metal
monesia bark
monetary arithmetic
monetary unit
money belt
money box
money broker
money changer
money changing
money chest
money clip
money cowry
money dealer
money dealing
money down
money getter
money going out
money illusion
money in hand
money market
money matter
money matters
money of account
money of necessity
money order
money player
money saver
money spider
money teller
money to burn
money wages
money's worth
money's-worth
money-bag
day-bloated
money-bound
money-box
money-breeding
money-changer
money-earning
money-getting
money-grasping
money-grub
money-grubbing
money-hungry
money-lender
money-loving
money-mad
money-maker
money-making
money-raising
money-saving
money-spelled
money-spinner
money-wort
moneyed capital
moneyed corporation
moneyed man
mong corn
mongolian idiot
mongoloid idiocy
mongoloid idiot
mongoose plant
monilia disease
monistic idealism
monitor bug
monitor chuck
monitor room
monitor screen
monitoring booth
monitory letter
monk bat
monk parrot
monk saki
monk's cloth
monk's pepper tree
monk's robe
monk's-hood
monk-fish
monkey apple
monkey around
monkey bag
monkey block
monkey bread
monkey bread tree
monkey bridge
monkey business
monkey dog
monkey fist
monkey flower
monkey forecastle
monkey foresail
monkey jacket
monkey link
monkey nut
monkey paw
monkey pinscher
monkey pole
monkey poop
monkey puzzle
monkey rail
monkey suit
monkey tail
monkey tricks
monkey with
monkey wrench
monkey’s fist
monkey-ball
monkey-face
monkey-faced
monkey-faced owl
monkey-god
monkey-pot
monkey-rigged
monkey-tail valve
monkey-tailed
monkeying around
mono carpellary
mono carpic
mono carpous
mono cephalous
mono ceros
mono chord
mono clinal
mono clinic
mono clinous
mono cyclic
mono-
mono-ideic
mono-ideism
mono-ideistic
mono-iodo
mono-iodohydrin
mono-iodomethane
mono-ion
monoamine oxidase
monobasic sodium phosphate
monochloro-
monochloroacetic acid
monochromatic film
monochromatic illuminator
monoclinic system
monocytic leukemia
monoenergetic neutron
monophonic system
monopolistic competition
monopolize the conversation
monopolize the thoughts
monopolize your attention
monopoly value
monorange speaker
monosodium glutamate
monostable circuit
monoxy-
monroe doctrine
mons pubis
mons veneris
monsoon low
monster-bearing
monster-breeding
monster-eating
monster-guarded
monster-taming
monster-teeming
monstrous lie
mont-de-piete
mont-de-pit
montan wax
montani semper liberi
monte bank
monte-jus
montes veneris
month after month
month in month out
month of Sundays
month's mind
monthly epact
monthly investment plan
monthly meeting
monthly payments
monument plant
monumental mason
monumental record
monumental sculpture
mooch around
mooch off
mood music
mood phrase
mood swing
moon around
moon base
moon blindness
moon daisy
moon dog
moon goddess
moon goddesses
moon jelly
moon jellyfish
moon knife
moon letter
moon orbit
moon pillar
moon rat
moon ray
moon ship
moon station
moon-blanced
moon-blasted
moon-blasting
moon-blind
moon-born
moon-bright
moon-browed
moon-calf
moon-charmed
moon-crowned
moon-culminating
moon-dial
moon-eye
moon-eyed
moon-faced
moon-fern
moon-fish
moon-flower
moon-gathered
moon-gazing
moon-glittering
moon-god
moon-gray
moon-led
moon-loved
moon-mad
moon-made
moon-man
moon-raised
moon-shaped
moon-stricken
moon-struck
moon-taught
moon-tipped
moon-touched
moon-trodden
moon-white
moon-whitened
mooneye cisco
moonlight blue
moonlight flit
moonlight requisition
moonlight school
moonseed family
moor besom
moor blackbird
moor buzzard
moor cock
moor grass
moor hen
moor myrtle
moor-bred
moor-cock
moor-fowl
moor-hen
moor-pout
mooring buoy
mooring chock
mooring harness
mooring line
mooring mast
mooring pendant
mooring pennant
mooring rack
mooring screw
mooring shackle
mooring swivel
mooring telegraph
mooring tower
moose call
moose elm
moose fly
moose-ear
moose-misse
moot case
moot court
moot hall
moot point
moot-hill
moot-house
moot-stow
mootchie wood
mop and mow
mop bucket
mop pail
mop up
mop up the floor with
mop-up
mope-eyed
mopped up
mopper-up
moppers-up
mopping up
mopping-up
mopstick rail
mora hair
morainal drift
moral badness
moral censor
moral certainty
moral climate
moral code
moral courage
moral delinquency
moral excellence
moral faculty
moral fiber
moral flaw
moral goodness
moral hazard
moral insanity
moral lesson
moral obligation
moral of the story
moral philosophy
moral pollutedness
moral pollution
moral precept
moral principles
moral rectitude
moral rightness
moral sense
moral strength
moral support
moral theology
moral turpitude
moral victory
moral virtue
moral weakness
morality play
moralize upon
morally corrupt
morally polluted
morass ore
moray eel
morbid anatomy
morbid anxiety
morbid curiosity
morbid drive
morbid excitability
morbid growth
morbid psychology
morbid sensibility
morbidity rate
morbidly curious
morbidly sensitive
morbus Gallicus
mordant dye
mordant rouge
more and more
more dead than alive
more desirable
more dict
more distant
more frightened than hurt
more heat than light
more in sorrow than in anger
more or less
more sol
more suo
more than a match for
more than doubtful
more than enough
more than ever
more than expected
more than half
more than meets the ear
more than meets the eye
more than one
more than you bargained for
more than you can afford
more than you can tell
more truth than poetry
morgan le fay
morganatic marriage
moriche palm
morn star
morning after
morning campion
morning coat
morning devotions
morning dress
morning glory
morning glory seeds
morning loan
morning prayer
morning prayers
morning services
morning sickness
morning star
morning time
morning twilight
morning watch
morning-breathing
morning-bright
morning-colored
morning-gift
morning-glory
morning-glory family
morning-glory sphinx
morning-tide
morning-watch
morning-winged
mornings after
morocco leather
mororation in composition
morph-
morphemic analysis
morphine meconate
morpho-
morphologic construction
morphological analogy
morphological botany
morphological individual
morphophonemic analysis
morris chair
morris dance
morris tube
morris-dance
morris-pike
morro castle
morrow-mass
morrow-tide
morse code
mort d'ancestor
mort note
mortal blow
mortal fear
mortal flesh
mortal horror
mortal mind
mortal remains
mortal sin
mortal wound
mortality committee
mortality rate
mortality table
mortally ill
mortar and pestle
mortar barrage
mortar bed
mortar board
mortar boat
mortar fire
mortar ketch
mortar-board
mortgage bond
mortgage broker
mortgage company
mortgage deed
mortgage holder
mortgage points
mortgage shark
mortgage-holder
mortgaged to the hilt
mortgagee clause
mortification of the flesh
mortification root
mortify the flesh
mortify your flesh
mortify yourself
mortise and tenon joint
mortise block
mortise chisel
mortise gauge
mortise gear
mortise joint
mortise lock
mortise-and-tenon joint
mortuary roll
mortuum vadium
mosaic binding
mosaic bold
mosaic disease
mosaic dwarf
mosaic gold
mosaic work
mosaic-drawn
mosaic-floored
mosaic-paved
moschatel family
mosey along
mosey off
mosque swallow
mosquito bar
mosquito bee
mosquito boat
mosquito fleet
mosquito hawk
mosquito net
mosquito netting
mosquito-bitten
mosquito-bred
mosquito-free
moss agate
moss animal
moss campion
moss fern
moss green
moss pink
moss rose
moss stitch
moss-back
moss-backed
moss-begrown
moss-bordered
moss-bound
moss-brown
moss-clad
moss-covered
moss-crowned
moss-gray
moss-green
moss-grown
moss-hag
moss-inwoven
moss-lined
moss-trooper
moss-woven
mossy-backed
most admired disorder
most assuredly
most certainly
most distant
most frequently
most important
most likely
most often
most recent
most reverend
most significant digit
most unkindest cut of all
most, the
most-favored-nation clause
mot d'ordre
mot juste
mote nut
mote spoon
mote-hill
moth and rust
moth ball
moth bean
moth blight
moth mullein
moth-balled
moth-eat
moth-eaten
mother carey's chicken
mother cask
mother cell
mother complex
mother country
mother earth
mother figure
mother fixation
mother goose
mother hubbard
mother language
mother liquor
mother lode
mother love
mother naked
mother of coal
mother of dews
mother of pearl
mother of the Muses
mother of thyme
mother of vinegar
mother ship
mother spleenwort
mother superior
mother superiors
mother surrogate
mother symbol
mother tongue
mother wit
mother yaw
mother's boy
mother's darling
mother's day
mother's milk
mother's son
mother-church
mother-in-law
mother-in-law plant
mother-naked
mother-of-pearl
mother-of-pearl cloud
mother-of-pearl glass
mother-of-thousands
mother-of-thyme
mother-of-thymes
mother-sick
mother-spot
mothers superior
mothers-in-law
motion backwards
motion block
motion downward
motion forwards
motion from
motion in general
motion photomicrograph
motion picture
motion pictures
motion short of
motion sickness
motion study
motion to
motion to and fro
motion towards
motion upwards
motion work
motion-picture
motion-picture actor
motion-picture camera
motion-picture fan
motion-picture film
motion-picture photography
motion-picture projector
motion-picture show
motion-picture theater
motionless torrents
motivating force
motivation research
motivational research
motive column
motive force
motive power
motive-monger
motive-mongering
motley color
motley fool
motley-minded
motmot blue
motmot green
moto-
motor abreaction
motor ambulance
motor aphasia
motor assembler
motor builder
motor bus
motor car
motor caravan
motor coach
motor corps
motor court
motor drive
motor generator
motor hotel
motor impulse
motor inn
motor launch
motor lodge
motor lorry
motor neuron
motor oil
motor paralysis
motor park
motor pool
motor scooter
motor ship
motor torpedo boat
motor truck
motor unit
motor van
motor vehicle
motor vessel
motor-camper
motor-camping
motor-driven
motor-generator
motor-generator servo
motor-man
motor-minded
motor-mindedness
motor-ship
motor-speed control system
motorcycle race
motorcycle saddle
motorized vehicle
motorized warfare
mots justes
mottle-leaf
mottle-leaf mosaic
mottled enamel
mottled-top disease
motto kiss
motu proprio
motuca fly
moubata bug
moudy-warp
mould-board
moulding board
moulding-board
mouldy fig
moulin a paroles
mound bird
mound builder
mound maker
mound making
mound-builder
mound-building
mount Pegasus
mount an attack
mount an offensive
mount guard
mount the barricades
mount the ladder of success
mount the throne
mount up to
mount your high horse
mountain accentor
mountain adder
mountain artillery
mountain ash
mountain avens
mountain beaver
mountain bluebird
mountain bluet
mountain bracken
mountain bunch grass
mountain camellia
mountain cat
mountain chain
mountain climber
mountain cranberry
mountain creeper
mountain currant
mountain damso
mountain devil
mountain dew
mountain ebony
mountain fern
mountain fetterbush
mountain fever
mountain flax
mountain fleece
mountain foxtail
mountain fringe
mountain goat
mountain gorilla
mountain gun
mountain heath
mountain hollow
mountain holly fern
mountain laurel
mountain lilac
mountain lion
mountain mahogany
mountain maker
mountain making
mountain man
mountain maple
mountain nymph
mountain oyster
mountain parsley
mountain range
mountain redtop
mountain rice
mountain rose
mountain rosebay
mountain sage
mountain sandwort
mountain sheep
mountain sickness
mountain spleenwort
mountain starwort
mountain tent
mountain time
mountain timothy
mountain viscacha
mountain wave
mountain whitefish
mountain wind
mountain wine
mountain-built
mountain-dwelling
mountain-girdled
mountain-green
mountain-high
mountain-loving
mountain-sick
mountain-walled
mounted infantryman
mounted police
mounted policeman
mounting medium
mounting-block
mourners' bench
mourning band
mourning cloak
mourning cloak butterfly
mourning dove
mourning garment
mourning iris
mourning ring
mourning warbler
mouse barley
mouse bloodwort
mouse deer
mouse grass
mouse gray
mouse opossum
mouse out
mouse pox
mouse-brown
mouse-color
mouse-colored
mouse-colour
mouse-deer
mouse-dun
mouse-ear
mouse-ear chickweed
mouse-ear cress
mouse-ear hawkweed
mouse-earred
mouse-eaten
mouse-gray
mouse-hole
mouse-hunt
mouse-killing
mouse-pea
mouse-still
mousetail grass
mousetrap switch
mousing hook
mousquetaire gloves
mousseline de laine
mousseline de soie
mousseline sauce
moustache cup
mouth bow
mouth breathing
mouth footed
mouth glue
mouth harp
mouth hole
mouth honor
mouth organ
mouth piece
mouth-filling
mouth-made
mouth-organ
mouth-to-mouth
mouth-to-mouth method
mouth-to-mouth resuscitation
mouth-watering
movable feast
movable type
movable-do system
move along
move apart
move around
move aside
move away
move back
move behind
move for
move forward
move heaven and earth
move in
move in a circle
move in a groove
move in a rut
move into
move off
move on
move out
move over
move quickly
move to action
move to the side
move with the times
move you to
move your fanny
move your tail
moveable feast
movement of air
movie actor
movie camera
movie film
movie house
movie star
movie theater
movie-goer
movie-minded
movies, the
moving apart
moving average
moving cause
moving cluster
moving picture
moving road
moving spirit
moving staircase
moving stairway
moving target indicator
moving toward
moving van
moving-coil galvanometer
moving-coil meter
moving-coil microphone
moving-coil speaker
moving-conductor microphone
moving-iron meter
moving-picture show
moving-picture theater
mow down
mow-burnt
mowing grass
mowing machine
mowrah butter
mowrah fat
mowrah oil
mowrah-seed oil
moyen-age
mrs grundy
mu meson
mu-meson
muc-
much acclaimed
much ado about nothing
much as
much at one
much cry and little wool
much esteemed
much obliged
much of a muchness
much the same
much to be desired
much to be regretted
much-admired
much-advertised
much-branched
much-coiled
much-containing
much-devouring
much-discussed
much-enduring
much-engrossed
much-honored
much-hunger
much-lauded
much-loving
much-mooted
much-pondering
much-praised
much-revered
much-sought
much-suffering
much-valued
much-worshiped
mucic acid
mucilage canal
mucilage cell
mucilage duct
muck about
muck around
muck bar
muck in
muck rolls
muck soil
muck up
muck-rake
muck-up
mucked up
mucking around
muckle hammer
muco-
mucoitin-sulphuric
mucoitinsulfuric acid
mucoso-
mucous colitis
mucous membrane
mucus body
mud bath
mud berth
mud dauber
mud drum
mud flat
mud heap
mud hen
mud house
mud lump
mud map
mud pie
mud pilot
mud pot
mud puddle
mud puppy
mud turtle
mud-bespattered
mud-built
mud-color
mud-colored
mud-exhausted
mud-fish
mud-lost
mud-roofed
mud-shot
mud-slinging
mud-splashed
mud-walled
muddle along
muddle away
muddle through
muddle-headed
muddle-minded
muddy-complexioned
muddy-mettled
mudslinging campaign
muermo family
muff coupling
muff your cue
muffin cap
muffin man
muffin pan
muffin turner
muffle color
muffle furnace
muffle kiln
muffle up
muffle-jaw
muffle-shaped
muffled drum
muffled drums
muffled tone
mug shot
mug up
mug-house
mug-up
mug-wet
multichannel analyser
multiflora rose
multigrid tube
multilateral symmetry
multilateral trade
multilinear form
multipath transmission
multiphase current
multiple algebra
multiple alleles
multiple allelism
multiple allelomorph
multiple circuit
multiple connection
multiple drill
multiple factor
multiple factors
multiple fission
multiple fruit
multiple image
multiple integr
multiple integral
multiple messages
multiple myeloma
multiple neuritis
multiple party system
multiple personality
multiple projector
multiple sclerosis
multiple series
multiple shop
multiple star
multiple store
multiple telegraph
multiple thread
multiple voting
multiple warhead
multiple-beam interferometer
multiple-choice
multiple-clutch
multiple-die
multiple-disk
multiple-disk clutch
multiple-dome
multiple-drill
multiple-feed closed loop
multiple-line
multiple-missile warhead
multiple-pass
multiple-series
multiple-speed
multiple-threaded
multiple-toothed
multiple-tuned
multiple-unit car
multiple-valued
multiplex circuit
multiplex receiver
multiplex telegraphy
multiplex transmission
multiplex tube
multiplication sign
multiplication table
multiplicative axiom
multiplicative group
multiplicative identity
multiplicative inverse
multiplier channels
multiplier phototube
multiply and replenish the earth
multiply by four
multiply by three
multiply by two
multiplying-glass
multipurpose plane
multipurpose tube
multistage flight
multistage rocket
multistep hydroplane
multivalent vaccine
multum in parvo
mum's the word
mumble-the-peg
mumblety-peg
mumbly-peg
mumbo jumbo
mumbo jumbos
mumbo-jumbo
mummy apple
mummy brown
mummy case
mummy chamber
mummy wheat
mummy-brown
mummy-cloth
mumping day
mumps meningitis
mundane astrology
mundane house
mung bean
municipal bond
municipal building
municipal corporation
municipal engineer
municipal securities
munition armor
munitions of war
munitions plant
mural coronet
mural crown
mural painting
murder en masse
murder the King’s English
murder the Queen’s English
murder wholesale
murder will out
murderous frenzy
murderous insanity
murexide reaction
murexide test
muriatic acid
murillo bark
murine opossum
murmur diphthong
murphy bed
murphy button
murrhine glass
mus b
muscae volitantes
muscle beach
muscle cell
muscle column
muscle fiber
muscle fibre
muscle in
muscle maker
muscle making
muscle man
muscle plasma
muscle power
muscle sense
muscle tissue
muscle-bound
muscle-bound between the ears
muscle-building
muscle-celled
muscle-kneading
muscle-tired
muscovy duck
muscul-
muscular disease
muscular dystrophy
musculo-
musculocutaneous nerve
muse on
muse on other things
muse over
muse upon
musette bag
museum beetle
museum piece
mush rot
mush through
mush up
mush-kinu
mushroom anchor
mushroom cloud
mushroom sauce
mushroom system
mushroom-colored
mushroom-grown
mushroom-shaped
music Muses
music arrangement
music box
music buff
music centre
music critic
music director
music division
music drama
music fan
music festival
music form
music hall
music in space
music lover
music lyre
music maker
music notation
music of the spheres
music paper
music passage
music patron
music patrons
music performance
music piece
music program
music roll
music room
music school
music score
music speech
music stand
music style
music theme
music theory
music wire
music-copying
music-drawing
music-flowing
music-footed
music-like
music-loving
music-mad
music-making
music-panting
music-stirring
music-tongued
musica falsa
musica ficta
musica mensurata
musical accent
musical box
musical chairs
musical comedy
musical copy
musical ear
musical flair
musical glasses
musical instrument
musical notation
musical note
musical ornament
musical part
musical passage
musical performance
musical phrase
musical piece
musical program
musical quality
musical revue
musical saw
musical scale
musical score
musical sense
musical sentence
musical sound
musical stage
musical suite
musical talent
musical theater
musical thought
musically inclined
musico-
musicogenic epilepsy
musing on the past
musique concr
musk ambrette
musk bag
musk deer
musk duck
musk hog
musk mallow
musk melon
musk orchid
musk ox
musk parrot
musk plant
musk rose
musk turtle
musk-cat
musk-cod
musk-deer
musk-duck
musk-ox
musk-rat
musk-root
musk-tree
musk-wood
muskeg moss
musket arrow
muskroot weed
muskus grass
muslin clipper
muslin delaine
musquash root
muss up
mussaenda coffee
mussed up
mussel bill
mussel crab
mussel-shell
must item
mustache cup
mustache monkey
mustard grape
mustard and cress
mustard beetle
mustard family
mustard gas
mustard greens
mustard oil
mustard plaster
mustard sauce
mustard seed
mustard-seed coal
muster courage
muster in
muster on
muster out
muster roll
muster up
muster your resources
muster-out
mustering out
mut dash
mutamur in illis
mutated form
mutation fox
mutation mink
mutation pressure
mutation stop
mutatis mutandis
mutato nomine
mute swan
mute witness
muted ecstasy
muth-labben
muto-
mutton bird
mutton cane
mutton chop
mutton chops
mutton grass
mutton snapper
mutton spanker
mutton tallow
mutton-chop
mutton-fish
mutton-head
mutton-legger
muttonchop whiskers
mutual admiration
mutual affinity
mutual agreement
mutual aid
mutual approach
mutual assistance
mutual attraction
mutual company
mutual concession
mutual fund
mutual impedance
mutual inductance
mutual induction
mutual insurance
mutual regard
mutual replacement
mutual repulsion
mutual savings bank
mutual support
mutual supportiveness
mutual transfer
mutual understanding
mutual-defense treaty
mutually approaching
muu-muu
muzzle ring
muzzle velocity
muzzle yourself
muzzle-loader
muzzle-loading
muzzy speech
my Angel-infancy
my Father's house
my boys
my burning youth
my craft and sullen art
my goodness
my green age
my humble self
my love
my nearest and dearest enemy
my stars
my word
my-
myall wood
myasthenia gravis
myc-
myceto-
myco-
mycobacterium paratuberculosis
mydas fly
myel-
myelin sheath
myelo-
myelogenous leukemia
myeloid leukemia
myna bird
mynad-minded
myo-
myocardial infarction
myocardial insufficiency
myoclonous epilepsy
myogen fibrin
myosin fibrin
myosotis blue
myovascular insufficiency
myrcia oil
myria-
myriad-leaf
myriad-leaves
myriad-minded
myricyl alcohol
myrio-
myristic acid
myrmec-
myrmeco-
myrobalan family
myrrh-tree
myrtle berry
myrtle bird
myrtle grass
myrtle green
myrtle-berry
myrtle-leaved
mystery clock
mystery grass
mystery of mysteries
mystery play
mystery religion
mystery story
mystery tour
mystical experience
mystical intuition
mystical theology
mystico-
mystico-allegoric
mystico-religious
mythical lore
mythical monster
mythical monsters
mythico-
mythico-historical
mythico-philosophical
mythico-romantic
mytho-
myxo-
n number
n'est-ce pas
n-
n-dimensional
n-ple
n-ply
n-tuple
n-tuple linear algebra
n-tuply
n-type
nCi
nF
nW
na zdorov'e
na-dene
nacreous cloud
nag at
nag-tailed
nagaed wood
nagami kumquat
nail bed
nail bit
nail bone
nail brush
nail caster
nail down
nail enamel
nail file
nail filer
nail filing
nail fold
nail hole
nail maker
nail making
nail molder
nail polish
nail puller
nail set
nail up
nail varnish
nail violin
nail water
nail your colors to the mast
nail-bearing
nail-biting
nail-clipping
nail-cutting
nail-head
nail-headed
nail-paring
nail-pierced
nail-shaped
nail-sick
nail-studded
nail-tailed
nailed down
nailer joist
nailhead rust
nailhead spar
nailhead spot
naive realism
nake-footed
naked as a jaybird
naked as a needle
naked as a worm
naked as my nail
naked as the day one was born
naked as the day you were born
naked eye
naked fact
naked floor
naked force
naked ladies
naked oat
naked singularity
naked smut
naked steel
naked to
naked-armed
naked-bladed
naked-eared
naked-eye
naked-eyed
naked-flowered
naked-fruited
naked-seeded
naked-stalked
naked-tailed
nalidixic acid
namas kar
namby-pambical
namby-pambics
namby-pambies
namby-pambiness
namby-pamby
namby-pambyish
namby-pambyism
namby-pambyness
name and address
name day
name for office
name names
name of the game
name over
name part
name plate
name tape
name to conjure with
name-caller
name-calling
name-child
name-day
name-drop
name-dropped
name-dropper
name-dropping
names of
namma hole
nand pearl
nankeen bird
nankeen lily
nanny goat
nanny plum
nanny-goat
nano-
nap hand
napa leather
naphth-
naphtha distiller
naphtha launch
naphthene-base oil
naphthol black
naphthol blue black
naphthol yellow
naphthyl group
naphthyl methyl ketone
naphthyl radical
naphthylamine black
napier's bones
napkin pattern
napkin ring
narcissus fly
narco-
narcotic injection
narcotic shot
narcotic stupor
narcotic trance
narcotico-acrid
narcotico-irritant
narcotics addict
narcotics agent
narcotics pusher
narcotics smuggling
narcotics traffic
nark it
narkul grass
narra amarilla
narra blanca
narra encarnada
narrative poem
narrative poetry
narrow boat
narrow brush
narrow down
narrow escape
narrow gauge
narrow house
narrow margin
narrow means
narrow place
narrow seas
narrow squeak
narrow sympathies
narrow the gap
narrow views
narrow-backed
narrow-billed
narrow-bladed
narrow-brained
narrow-breasted
narrow-celled
narrow-chested
narrow-crested
narrow-ended
narrow-eyed
narrow-faced
narrow-fisted
narrow-gage
narrow-gauge
narrow-gauged
narrow-guage
narrow-guaged
narrow-headed
narrow-hearted
narrow-hipped
narrow-jointed
narrow-laced
narrow-leaved
narrow-leaved oat grass
narrow-meshed
narrow-minded
narrow-mindeedly
narrow-minedness
narrow-mouthed
narrow-mouthed toad
narrow-necked
narrow-nosed
narrow-petaled
narrow-rimmed
narrow-seeded
narrow-shouldered
narrow-shouldred
narrow-skulled
narrow-souled
narrow-spirited
narrow-spiritedness
narrow-streeted
narrow-throated
narrow-toed
narrow-visioned
narrow-waisted
narrowing gap
nary one
nas-
nasal accent
nasal bone
nasal cavity
nasal concha
nasal discharge
nasal gleet
nasal index
nasal tone
nasal twang
nascent condition
nascent state
nash-gab
naso-
nasolacrimal duct
nastic movement
nasturtium family
nasturtium red
nasturtium yellow
nasty blow
nasty crack
nasty look
natal day
natch-bone
nation hood
nation-state
national accounting
national anthem
national assembly
national assistance
national bank
national bank note
national blue
national cemetery
national chairman
national church
national code
national convention
national debt
national economy
national emergency
national flag
national forest
national guard
national holiday
national honor
national income
national insurance
natural death
natural development
natural dye
natural dyestuff
natural endowment
natural fiber
natural gas
natural gender
natural geometry
natural gift
natural growth
natural harbor
natural hierarchy
natural history
natural idiot
natural immunity
natural impulse
natural instinct
natural language
natural law
natural levee
natural logarithm
natural magic
natural man
natural mineral
natural minor
natural number
natural person
natural philosopher
natural philosophy
natural politeness
natural radioactivity
natural realism
natural realist
natural religion
natural resources
natural right
natural rights
natural rubber
natural science
natural scientist
natural selection
natural state
natural tendency
natural theology
natural to
natural varnish
natural virtue
natural virtues
natural wit
natural world
natural-born
natural-born fool
naturalis possessio
naturalistic description
naturalistic fallacy
naturalistic humanism
naturalized citizen
naturalized citizenship
nature book
nature cure
nature deity
nature in the raw
nature myth
nature philosopher
nature philosophy
nature printing
nature spirit
nature strip
nature study
nature trail
nature worship
nature worshiper
nature's nobleman
nature-print
nature-printing
naughty child
naughty pack
naughty word
nautch dance
nautch girl
nautical chain
nautical day
nautical mile
naval academy
naval air station
naval aircraft
naval architecture
naval auxiliary
naval bomber
naval brass
naval cadet
naval college
naval combat
naval crown
naval engineer
naval fighter
naval forces
naval intelligence
naval interceptor
naval medicine
naval militia
naval mine
naval officer
naval operations
naval pilot
naval pipe
naval reserve
naval school
naval stores
naval vessel
naval vessels
naval warfare
naval-intelligence man
navel ill
navel orange
navel pipe
navel point
navel-shaped
navigable airspace
navigable river
navigable semicircle
navigate in space
navigating bridge
navigating bridge deck
navigating officer
navigation act
navigation and ranging
navigation light
navigation lights
navigation of empty space
navigation radius
navigation weir
navigational satellite
navigator's bubble
navigator-bombardier trainer
navy agent
navy bean
navy bill
navy blue
navy board
navy cross
navy cut
navy green
navy league
navy leaguer
navy man
navy plug
navy unit
navy yard
nay rather
nay-say
naya paisa
naye paise
ne exeat
ne plus ultra
ne'er a
ne'er a one
ne'er-do-well
ne'er-dos
ne-
neanderthal man
neap tide
near and far
near as the bark on a tree
near at hand
near beer
near by
near death
near duplicate
near east
near enough to
near future
near go
near hand
near likeness
near miss
near point
near relation
near rhyme
near side
near squeak
near the ground
near the limen of hearing
near the mark
near the surface
near the threshold of hearing
near the wind
near thing
near to
near upon
near your end
near your heart
near-
near-acquainted
near-adjoming
near-at-hand
near-blindness
near-bordering
near-by
near-colored
near-coming
near-dwelling
near-fighting
near-following
near-growing
near-guessed
near-hand
near-legged
near-miss
near-point
near-related
near-resembling
near-sight
near-sighted
near-silk
near-smiling
near-stored
near-threatening
near-touching
near-ushering
near-white
nearly die laughing
nearly duplicate
nearly duplicated
nearly replicate
nearly replicated
nearly reproduce
nearly reproduced
nearly the same
neat as a button
neat as a pin
neat as wax
neat house
neat line
neat price
neat profit
neat soap
neat weight
neat's foot
neat's leather
neat's tongue
neat's-foot oil
neat-ankled
neat-dressed
neat-faced
neat-fingered
neat-folded
neat-footed
neat-handed
neat-handedly
neat-handedness
neat-house
neat-limbed
neat-looking
neb-neb
nebula of Lyra
nebula of Orion
nebular hypothesis
nebulous stars
necessary condition
necessary stool
necessity money
necessity's sharp pinch
neck and crop
neck and heels
neck and neck
neck canal cell
neck cell
neck cord
neck deep
neck handkerchief
neck journal
neck molding
neck of the woods
neck or nothing
neck rot
neck strap
neck sweetbread
neck verse
neck yoke
neck-and-neck race
neck-band
neck-beef
neck-bone
neck-break
neck-breaking
neck-cracking
needle chervil
needle dam
needle diatom
needle file
needle fir
needle furze
needle girder
needle gorse
needle grass
needle grinder
needle grinding
needle gun
needle holder
needle ironstone
needle juniper
needle lace
needle loom
needle maker
needle ore
needle palm
needle point
needle pointer
needle scar
needle spar
needle spike rush
needle telegraph
needle time
needle tooth
needle trade
needle valve
needle weir
needle whin
needle-and-ball indicator
needle-and-thread
needle-bar
needle-billed
needle-fish
needle-form
needle-gun
needle-leaved
needle-made
needle-nosed
needle-point
needle-pointed
needle-scared
needle-shaped
needle-sharp
needle-witted
needlenose pliers
needs must
needs-be
needy, the
neel-bhunder
neer-do-well
negation-proof
negative acceleration
negative answer
negative attitude
negative catalyst
negative electricity
negative feedback
negative flag
negative geotropism
negative glow
negative hallucination
negative income tax
negative ion
negative lens
negative misprision
negative polarity
negative pole
negative reinforcement
negative resistance
negative sign
negative tax
negative taxis
negative transfer
negative transference
negative tropism
negative valence
negative-pole
negative-raising
neglect the opportunity
neglected-looking
negotiable bond
negotiable instrument
negotiable instruments
negotiable note
negotiable paper
negotiable securities
negotiate a loan
negotiate a peace
negro corn
negro-head
negrohead beech
neiges d'antan
neighborhood house
neighborhood newspaper
neither fish
neither fish nor fowl
neither here nor there
neither hide nor hair
neither hot nor cold
neither more nor less
neither nobility nor clergy
neither one thing nor the other
nem con
nemat-
nemato-
nematode worm
nemean lion
nemine contradicente
nemine dissentiente
nemo me impune lacessit
neo-
neo-Catholic
neo-Celtic
neo-Christianity
neo-Darwinian
neo-Darwinism
neo-Darwinist
neo-Gothic
neo-Greek
neo-Hippocratic medicine
neo-Plasticism
neo-Platonician
neo-Roman
neo-Sanskrit
neo-Sanskritic
neo-Scholastic
neo-Scholasticism
neo-Sogdian
neo-Sumerian
neo-Syriac
neo-Thomism
neo-classic
neo-classicist
neo-darwinian
neo-darwinism
neo-grammarien
neo-impressionism
neo-lamarckism
neo-orthodoxy
neo-scholastic
neo-scholasticism
neocolonialist threat
neoconcrete art
neofigural postsurrealism
neofigural postsurrealist
neolithic man
neon lamp
neon light
neon tetra
neon tube
neoorthodox theology
neoprene rubber
neoa pine
nephelite-basanite
nephelite-diorite
nephelite-porphyry
nephelite-syenite
nephelite-tephrite
nephele-
nephr-
nephro-
nephro-ureterectomy
neptunium series
nero antico
neroli camphor
neroli oil
nerv-
nerve and sinew
nerve block
nerve canal
nerve cavity
nerve cell
nerve center
nerve centre
nerve cord
nerve eminence
nerve ending
nerve fiber
nerve fibre
nerve gas
nerve impulse
nerve net
nerve ring
nerve sheath
nerve stretching
nerve trunk
nerve yourself
nerve-ache
nerve-celled
nerve-cutting
nerve-deaf
nerve-deafness
nerve-destroying
nerve-irritating
nerve-jangling
nerve-racked
nerve-racking
nerve-rendering
nerve-ridden
nerve-shaken
nerve-shaking
nerve-shattering
nerve-stretching
nerve-tingling
nerve-trying
nerve-winged
nerve-wracking
nerves of steel
nerves on edge
nervo-
nervous as a cat
nervous breakdown
nervous disorder
nervous exhaustion
nervous nellie
nervous prostration
nervous stomach
nervous strain
nervous system
nervous tension
nervous wreck
nest box
nest egg
nest fungus
nest of drawers
nest-building
nest-egg
nestle-cock
net area
net assets
net blotch
net domestic product
net earnings
net fixer
net income
net interest
net line
net national product
net necrosis
net pay
net plankton
net price
net profit
net receipts
net register ton
net register tonnage
net silk
net tare
net ton
net tonnage
net tracery
net valuation
net value
net wages
net weaver
net weight
net worth
net-fashion
net-tender
net-veined
net-winged
nether cheeks
nether regions
nether side
nether vert
nether world
nether world diety
nethermost layer
nethermost level
nethermost stratum
neti neti
netted melon
netted-veined
nettie-wife
netting knot
nettle butterfly
nettle cell
nettle cloth
nettle creeper
nettle family
nettle geranium
nettle hemp
nettle potato
nettle rash
nettle tree
nettle-cloth
nettle-leaved
nettle-rough
nettle-stung
nettle-tree
nettleling cell
network affiliations
network pulser
network show
network stations
neufchatel cheese
neur-
neural arch
neural axis
neural canal
neural cavity
neural crest fold
neural gland
neural groove
neural lamina
neural plate
neural process
neural shield
neural spine
neural tube
neuraminic acid
neuro-
neurocirculatory asthenia
neurogenic shock
neurological disease
neuromotor apparatus
neuron doctrine
neurotic disorder
neurotic personality
neurotic-depressive reaction
neuter passive
neuter verb
neutral acriflavine
neutral atom
neutral axis
neutral color
neutral corner
neutral ground
neutral monist
neutral point
neutral position
neutral red
neutral spirits
neutral territory
neutral tint
neutral zone
neutral-tinted
neutralist nation
neutro-
neutron bomb
neutron factory
neutron number
neutron reaction
neutron star
never a one
never be forgotten
never cease
never die
never end
never fear
never feel better
never finish
never forget
never free from
never hear the last of
never idle
never in all your born days
never in my life
never in the world
never let go
never let on
never mind
never nod
never on earth
never on time
never otherwise
never pass
never say die
never sleep
never so
never stoop
never to be erased from the mind
never to be forgotten
never to return
never touch
never-ceasing
never-ceasingly
never-certain
never-changing
never-conquered
never-constant
never-daunted
never-dead
never-dietree
never-dying
never-ended
never-ending
never-endingly
never-endingness
never-fading
never-failing
never-lasting
never-needed
never-never
never-never country
never-never land
never-quenching
never-ready
never-resting
never-resting thing called Time
never-satisfied
never-say-die
never-setting
never-shaken
never-silent
never-sleeping
never-smiling
never-stable
never-strike
never-swerving
never-tamed
never-tiring
never-to-be-equaled
never-trodden
never-twinkling
never-vacant
never-varied
never-varying
never-waning
never-weariend
never-winking
never-withering
new arrival
new beginning
new birth
new blue
new boy
new broom  
new brutalism  
new catholic edition  
new church  
new covenant  
new critic  
new criticism  
new deal  
new departure  
new englander  
new english bible  
new ethical movement  
new generation  
new greek  
new halfpenny  
new hampshire  
new hebREW  
new high  
new humanism  
new issue  
new latin  
new lease on life  
new life  
new light  
new look  
new man  
new math  
new mathematics  
new maths  
new meaning  
new mintage  
new moon  
new moon bob  
new morality  
new pence  
new penny  
new penny Brit  
new phase  
new philharmonic pitch  
new planets  
new realism  
new sense  
new slant  
new style  
new term  
new testament  
new theology  
new thought
new to
new town
new twist
new wave
new wine
new wine in old bottles
new wool
new word
new world
new wrinkle
new year
new year's day
new yorker
new zealander
new-admitted
new-apparel
new-array
new-awaked
new-begotten
new-bladed
new-bloomed
new-blown
new-born
new-built
new-coined
new-come
new-create
new-cut
new-day
new-fallen
new-fashion
new-fashioned
new-fire method
new-fledged
new-found
new-front
new-furbish
new-furnish
new-grown
new-laid
new-light
new-looking
new-made
new-mint
new-minted
new-mintedness
new-model
new-modeler
nice-Nellyism
nice-nelly
nice-nellyism
nicene creed
niceness of distinction
niche in the hall of fame
nicht wahr
nick of time
nick-eared
nick-nack
nickel acetate
nickel bloom
nickel bronze
nickel calciner
nickel carbonyl
nickel glance
nickel gray
nickel green
nickel gymnite
nickel monoxide
nickel ocher
nickel oxide
nickel plate
nickel protoxid
nickel sesquioxide
nickel silver
nickel steel
nickel tetracarbonyl
nickel-cadmium battery
nickel-iron accumulator
nickel-plate
nickel-plated
nickelic oxide
nickelous oxide
nicker nut
nicker tree
nicker-tree
nicotine addict
nicotine addiction
nicotine sulphate
nicotinic acid
nicotinic acid amide
nictitating membrane
nid-nod
niddle-noddle
niddy-noddy
nieve penitente
nievie-nievie-nick-nack
niff-naff
niff-naffy
niffy-naffy
niger oil
niger seed
nigger bug
nigger chaser
nigger club
nigger daisy
nigger heaven
nigger pine
nigger toe
niggerhead cactus
nigh about
nigh by
nigh hand
nigh on
nigh onto
nigh side
nigh-destroyed
nigh-drowned
nigh-ebbed
nigh-hand
nigh-naked
nigh-past
nigh-spent
night adder
night and day
night ape
night bird
night blindness
night blue
night bolt
night cart
night chair
night clothes
night cloud
night club
night court
night crawler
night crow
night dancer
night dew
night dial
night editor
night effect
night emerald
night fighter
night fire
night flower
night green
night heron
night jasmine
night jessamine
night kaka
night key
night lamp
night latch
night letter
night life
night light
night line
night lizard
night monkey
night office
night operations
night owl
night palsy
night parrot
night partridge
night pennant
night piece
night prayer
night rail
night raven
night rider
night robe
night rocket
night school
night sergeant
night shift
night singer
night snake
night soil
night song
night sparrow
night spell
night spot
night steed
night stick
night sweat
night table
night terror
night vision
night warbler
night watch
night watcher
night watches
night watching
night watchman
night willow herb
night-bird
night-black
night-blind
night-blindness
night-blooming
night-blooming cereus
night-blowing
night-born
night-bringing
night-cap
night-cellar
night-cheering
night-clad
night-cloaked
night-clothes
night-club
night-clubbed
night-clubbing
night-contending
night-cradled
night-crow
night-dark
night-decking
night-dispersing
night-dress
night-enshrouded
night-eyed
night-fallen
night-faring
night-feeding
night-filled
night-flowering
night-fly
night-flying
night-folded
night-foundered
night-gaping
night-glass
night-gown
night-grown
night-hag
night-haired
night-haunted
night-hawk
night-heron
night-hid
night-light
night-long
night-mantled
night-night
night-overtaken
night-owl
night-piece
night-prowling
night-rail
night-raven
night-riding
night-robbing
night-robe
night-robed
night-rolling
night-scented
night-season
night-shift
night-shining
night-shirt
night-singing
night-spell
night-straying
night-struck
night-swaying
night-swift
night-swollen
night-tide
night-time
night-traveling
night-tripping
night-veiled
night-walker
night-wandering
night-warbling
night-watch
night-watching
night-watchman
night-work
nightclub habitue
nightshade family
nighty-night
nigrosine spirit-soluble
nigrosine water-soluble
nigrospora cob rot
nihil ad rem
nihil album
nihil debet
nihil dicit
nihil ex nihilo
nihil habet
nihil obstat
nihilistic delusion
niku-bori
nil admirari
nil desperandum
nil nisi bonum
nil sine numine
nile green
nilly-willy
nilpotent algebra
nim tree
nimble mind
nimble will
nimble wit
nimble-eyed
nimble-feathered
nimble-fingered
nimble-footed
nimble-headed
nimble-heeled
nimble-jointed
nimble-mouthed
nimble-moving
nimble-pinioned
nimble-shifting
nimble-spirited
nimble-stepping
nimble-tongued
nimble-toothed
nimble-winged
nimble-witted
nimble-wittedness
nimbus cloud
niminy-pimininess
niminy-piminy
niminy-pimininess
nimmy-pimmy
nimonic alloy
nine days' wonder
nine o'clock
nine points of the law
nine-banded
nine-banded armadillo
nine-circled
nine-cornered
nine-day
nine-eyed
nine-eyed eel
nine-eyes
nine-foot
nine-hole
nine-holes
nine-hour
nine-inch
nine-jointed
nine-killer
nine-knot
nine-lived
nine-mile
nine-part
nine-part measure
nine-part time
nine-ply
nine-point
nine-point circle
nine-pound
nine-pounder
nine-power
nine-share
nine-shilling
nine-spined
nine-spined stickleback
nine-spot
nine-spotted
nine-syllabled
nine-tailed
nine-tenths
nine-voiced
nine-word
nine-year
ninepenny morris
ninepin block
nineteenth hole
nineteenth man
ninety-acre
ninety-day
ninety-day wonder
ninety-eight
ninety-eighth
ninety-fifth
ninety-first
ninety-five
ninety-four
ninety-fourth
ninety-hour
ninety-mile
ninety-nine
ninety-ninth
ninety-one
ninety-second
ninety-seven
ninety-seventh
ninety-six
ninety-sixth
ninety-third
ninety-three
ninety-ton
ninety-two
ninety-word
ninny-hammer
ninth chord
ninth cranial nerve
ninth-born
ninth-built
ninth-class
ninth-formed
ninth-hand
ninth-known
ninth-mentioned
ninth-rate
ninth-told
niobic acid
nip and tuck
nip at the heels of
nip in the bud
nip in the head
nip off
nip through
nip up
nip-up
nipa alcohol
nipa sugar
nipped at
nipped waist
nipper crab
nipperty-tipperty
nipping wind
nipple cactus
nippy wind
nirvana principle
 nisi prius
 nisi prius court
 nisi-prius
 nissen hut
 nissuee trout
 nit grass
 nit-grass
 nit-picking
 niter cake
 niter-blue
 nit-
nitramino group
 nitramino radical
 nitric acid
 nitric bacteria
 nitric bacterium
 nitric ether
 nitric oxide
 nitride process
 nitriding steel
 nitrile base
 nitrile rubber
 nitro compound
 nitro group
 nitro powder
 nitro radical
 nitro-
nitro-cellulose
 nitro-cotton
 nitro-hydro-carbon
 nitrogen balance
 nitrogen chloride
 nitrogen cycle
 nitrogen dioxide
 nitrogen equilibrium
 nitrogen family
 nitrogen fixation
 nitrogen fixer
 nitrogen iodide
 nitrogen monoxide
 nitrogen mustard
 nitrogen narcosis
 nitrogen oxide
 nitrogen peroxide
 nitrogen tetroxide
nitrogen trioxide
nitrogen-fixing
nitrogen-free
nitrohydrochloric acid
nitro-
nitroso group
nitroso radical
nitroso-
nitrosyl chloride
nitrosylsulfuric acid
nitrous acid
nitrous bacteria
nitrous bacterium
nitrous ether
nitrous oxide
nitroso-
nitroxanthic acid
nitta tree
nitty-gritty
nitty-gritty, the
njave butter
njave oil
no alternative
no ball
no beauty
no better than she should be
no better than you should be
no buts about it
no catch
no chance
no charge
no chicken
no choice
no claim
no conjuror
no contest
no credit to
no depth
no dice
no difference
no doubt
no dumbbell
no ear
no end
no end of
no end of a fellow
no end to
no exit
no expectation
no fear
no few
no fine print
no fine print at the bottom
no flies on
no go
no great matter
no great shakes
no holds barred
no hope
no ifs
no ifs, ands, or buts
no joke
no joker
no joker in the deck
no kicker
no laughing matter
no less
no less than
no longer among us
no longer present
no longer with us
no love lost
no ma’am
no man
no man’s land
no matter
no matter how
no matter what
no matter when
no matter which
no matter who
no mean
no mo
no modest violet
no more
no more and no less
no more beyond
no nearer
no nerves
no one
no onenobody
no other
no picnic
no place higher
no prize
no room for error
no room to swing a cat
no say
no scholar
no sir
no sirree
no skin off your back
no skin off your elbow
no skin off your nose
no slouch
no small print
no soap
no sooner said than done
no stranger to
no strings
no strings attached
no such a thing
no such thing
no sweat
no time
no time at all
no time to be lost
no title
no two ways about it
no use
no water
no way
no way out
no whit
no-account
no-ball
no-being
no-bottom sounding
no-claim bonus
no-claims bonus
no-count
no-deposit
no-deposit-no-return
no-eye pea
no-fault
no-fault insurance
no-go
no-go area
no-go gauge
no-good
no-hit
no-hitter
no-hoper
no-load fund
no-man’s-land
nobody knows
nobody on earth
nobody one knows
nobody present
nobody special
nobody the wiser
nobody under the sun
nobody's fool
nobody's patsy
nobody's sucker
nocking point
noct-
nocti-
nocturnal arc
nocturnal epilepsy
nod assent
nod of assent
nod off
nod to
nod to its fall
nod to your fall
nodal point
nodding acceptance
nodding acquaintance
nodding cap
nodding lilac
nodding to its fall
nodding trillium
noddy tern
node house
node longitude
node of Ranvier
nodi-
nodical month
nodule disease
noise about
noise abroad
noise and shouting
noise factor
noise field intensity
noise figure
noise interference
noise limiter
noise pollution
noise suppressor
noise-canceling microphone
noiseless foot of Time
noisette brown
nol pros
nol-pros
nol-prossed
nol-prossing
nolens volens
noli me tangere
noli-me-tangere
noll-kholl
nelle prosequi
nolo contendere
nom de guerre
nom de plume
nom de theatre
nombril point
nomen nudum
nominal charge
nominal damages
nominal head
nominal partner
nominal price
nominal rate
nominal value
nominal wages
nominating convention
nomination borough
nomination in the race
nominative absolute
nominative of address
nomo-
noms de guerre
non avenu
non comos
non comos mentis
non est
non est inventus
non licet
non liquet
non nobis
non obst
non obstante
non placet
non plus
non plus ultra
non possumus
non pros
non prosequitur
non rep
non repetatur
non seq
non sequitur
non troppo
non ultra
non-
non-African
non-Alexandrian
non-American
non-Anglican
non-Arab
non-Arabic
non-Aryan
non-Asian
non-Asiatic
non-Attic
non-Bantu
non-Baptist
non-Biblical
non-Biblically
non-Bolshevik
non-Bolshevism
non-Bolshevist
non-Bolshevistic
non-Brahmanic
non-Brahmanical
non-Brahminic
non-Brahminical
non-British
non-Buddhist
non-Buddhistic
non-Calvinist
non-Calvinistic
non-Calvinistical
non-Catholic
non-Caucasian
non-Caucasian
non-Caucasoid
non-Celtic
non-Chaucerian
non-Chinese
non-Christian
non-Congregational
non-Congressional
non-Cymric
non-Czech
non-Czechoslovakian
non-Danish
non-Darwinian
non-Druid
non-Egyptian
non-English
non-Episcopalian
non-Euclidean
non-Euclidean geometry
non-European
non-Flemish
non-French
non-Gaelic
non-German
non-Germanic
non-Gothic
non-Gothically
non-Greek
non-Gypsies
non-Gypsy
non-Hamitic
non-Hebraic
non-Hebraically
non-Hebrew
non-Hellenic
non-Hibernian
non-Hindu
non-Homeric
non-Indian
non-Ionic
non-Irish
non-Islamic
non-Islamitic
non-Israelite
non-Israelitic
non-Israelitish
non-Italian
non-Italic
non-Japanese
non-Jew
non-Jewish
non-Kaffir
non-Latin
non-Lutheran
non-Magyar
non-Malay
non-Malayan
non-Malthusian
non-Mediterranean
non-Mendelian
non-Methodist
non-Methodistic
non-Mohammedan
non-Mongol
non-Mongolian
non-Mormon
non-Moslem
non-Moslems
non-Muhammadan
non-Muhammedan
non-Muslem
non-Muslems
non-Muslim
non-Muslims
non-Negritic
non-Negro
non-Negroes
non-Newtonian
non-Nicene
non-Nordic
non-Norman
non-Norse
non-Oscan
non-Parisian
non-Peruvian
non-Polish
non-Portuguese
non-Presbyterian
non-Protestant
non-Prussian
non-Quaker
non-Quakerish
non-Roman
non-Russian
non-Sabbatic
non-Sabbatical
non-Sabbatically
non-Sanskritic
non-Saxon
non-Scandinavian
non-Semite
non-Semitic
non-Shakespearean
non-Shakespearian
non-Slavic
non-Spanish
non-Spartan
non-Stoic
non-Swedish
non-Swiss
non-Syrian
non-Tartar
non-Teuton
non-Teutonic
non-Trinitarian
non-Turk
non-Turkic
non-Turkish
non-Tuscan
non-U
non-Ukrainian
non-Umbrian
non-Unitarian
non-Uralian
non-Vedic
non-Venetian
non-Virginian
non-Welsh
non-White
non-Zionist
non-ability
non-access
non-appearance
non-arcking
non-assumpsit
non-attendance
non-claim
non-co-operate
non-co-operation
non-co-operationist
non-co-operative
non-co-operator
non-co-ordination
non-coll
non-collegiate
non-com
non-combatant
non-commissioned
non-committal
non-communicant
non-compounder
non-con
non-condensing
non-conductor
non-contagion
non-content
non-contradiction
non-effective
non-efficient
non-ego
non-elect
non-electric
non-ens
non-essential
non-euclidean
non-existence
non-existent
non-feasance
non-gremial
non-importation
non-intercourse
non-interference
non-intervention
non-intrusion
non-iron
non-joinder
non-jurant
non-juring
non-juror
non-jury
non-literate
non-member
non-metal
non-moral
non-natty
non-natural
non-necessity
non-noble
non-obedience
non-payment
non-performance
non-placet
non-proficiency
non-profit-making
non-pros
non-prosequitur
non-prossed
non-prossing
non-recoiling
non-reduction
non-regent
non-regulation
non-residence
non-resident
non-residential
non-resistance  
non-resistant  
non-society  
non-striker  
non-subscriber  
non-substantial  
non-tenure  
non-term  
non-union  
non-user  
non-vascular  
nona-  
nonaction calligraphist  
nonaction calligraphy  
nonaggression pact  
nonalcoholic beverage  
nonaligned nation  
nonanoic acid  
nonapparent easement  
nonapparent servitude  
nonassessable mutual  
nonassessable stock  
noncallable bond  
noncallable securities  
noncanonical writings  
nonce word  
nonce, the  
nonchord tone  
nonco-operation  
nonco-operationist  
nonco-operator  
noncommissioned officer  
noncommutative algebra  
noncondensing engine  
noncontingent existence  
noncontingent free will  
noncritical mass  
nondestructive testing  
nondirectional antenna  
nondirectional microphone  
nondirective therapy  
nondischarge of debts  
nondrying oil  
none else  
none of your business  
none other  
none to spare  
none too soon
none-so-pretties
none-so-pretty
nonfat dry milk
nonfat milk
nonfiction prose
nonfiction writer
nonfilterable virus
nonforfeiture benefit
nonforfeiture law
nonforfeiture value
nonfunctional addition
nongraded school
nonharmonic tone
nonionic detergent
nonlinear calibrations
nonlinear system
nonliving matter
nonmalignant tumor
nonmaterial culture
nonmedical therapist
nonmedical therapy
nonmember bank
nonnative citizen
nonnegotiable bond
nonnegotiable demand
nonnuclear weapons
nonny-nonny
nonordained persons
nonorganic matter
nonpartisan ballot
nonpartisan election
nonpartisan primary
nonprescription drug
nonprone to disease
nonproneness to disease
nonprovided school
nonre-eligibility
nonre-eligible
nonrestrictive clause
nonreversible reaction
nonsanctioned behavior
nonscheduled airline
nonserved airline
nonsense talk
nonsense verse
nonsex-linked
nonsinusoidal circuit
nonskid tire
nonspecific immunity
nonspecific therapy
nonspore-forming
nonstandard language
nonstandard speech
nonsusceptibility to disease
nonsusceptible to disease
nontransferable vote
nontuple time
nonunion shop
nonvalue bill
nonverbal communication
nonvintage wine
nonviolent change
nonviolent protest
nonvolatile resistance
nonvolatile oil
nonvoting stock
nonyl alcohol
noodle-head
noogoora bur
nook shaft
nook-shotten
noon-light
noonday light
noonday night
noontide light
nor flesh
nor good red herring
nor nee
nor yet
nor'-west
nor'-wester
nor-
nor-noreast
norfolk howard
norfolk jacket
norm of perfection
normal atom
normal axis
normal barrage
normal curve
normal distribution
normal divisor
normal equivalent deviate
normal landing
normal load
normal loop
normal magnification
normal matrix
normal orthogonal
normal pentane
normal pitch
normal saline solution
normal school
normal series
normal spin
normal tax
normal unemployment
normalized text
norman architecture
norman-french
normative system
normed conjugate
normed space
north about
north briton
north by east
north by west
north celestial pole
north country
north germanic
north mark
north pole
north sea
north shore
north side
north star
north wind
north-countriness
north-countryman
north-east
north-easter
north-easterly
north-eastern
north-eastward
north-end
north-following
north-light
north-north-east
north-north-west
north-northeast
north-northeastward
north-northeastwardly
north-northeastwards
north-northwest
north-northwestward
north-northwestwardly
north-northwestwards
north-polar
north-preceding
north-seeking
north-sider
north-west
north-wester
north-westerly
north-western
north-westward
northeast by east
northeast by north
northeast storm
northern canoe
northern cross
northern crown
northern harvestfish
northern hemisphere
northern kingfish
northern lights
northern mammoth
northern pike
northern porgy
northern red currant
northern redtop
northern sennet
northern studfish
northwest by north
northwest by west
norwegian elkhound
nos-
nosce te ipsum
nose ape
nose around
nose around for
nose bag
nose bit
nose cone
nose count
nose dive
nose down
nose drops
nose ender
nose flute
nose glasses
nose guard
nose hitch
nose into
nose iron
nose key
nose leaf
nose out
nose over
nose peg
nose pipe
nose radiator
nose rag
nose ring
nose stiffener
nose to nose
nose to nose with
nose turret
nose up
nose wheel
nose-bag
nose-band
nose-belled
nose-bleed
nose-dive
nose-dived
nose-diving
nose-dove
nose-grown
nose-heavy
nose-high
nose-leafed
nose-led
nose-nippers
nose-piece
nose-piercing
nose-pipe
nose-pulled
nose-ring
nose-shy
nose-smart
nose-thirl
nose-thumbing
nose-tickling
nose-up
nose-wise
nosee-um
nosegay tree
nosewheel undercarriage
nosey Parker
nosh-up
noso-
nostalgia for the past
nosy Parker
nosy parker
not a Chinaman's chance
not a bad idea
not a bit
not a bit alike
not a bit of difference
not a bit of it
not a blessed one
not a blessed soul
not a breath of air
not a chance
not a dream
not a few
not a hint
not a jot
not a jot or tittle
not a leaf stirring
not a lick
not a lick or smell
not a little
not a mite
not a one
not a particle
not a patch on
not a pin to choose
not a prayer
not a scrap
not a shadow of a suspicion
not a single one
not a single person
not a smidgen
not a smitch
not a snowball's chance in hell
not a soul
not a speck
not a stitch
not a stitch to your back
not a stitch to your name
not a suspicion
not a trace
not a whit
not abide
not absolutely
not accept
not accept compromise
not accept defeat
not accomplish
not accord with
not add up
not admit
not affordable
not agree
not all there
not allow
not allow yourself to believe
not allowed
not amiss
not amount to a damn
not amount to a hill of beans
not amount to anything
not an illusion
not an iota
not another peep out of you
not another word
not answer
not anticipate
not anticipated
not any
not appreciate
not approach
not approve
not as young as you used to be
not at all
not at any price
not at issue
not attend
not back down
not bad
not bargain for
not bat an eye
not bat an eyelash
not be a bit surprised
not be able
not be able to abide
not be able to account for
not be able to bear
not be able to dispense with
not be able to do without
not be able to down
not be able to endure
not be able to say much for
not be able to sit down
not be able to stand still
not be able to swallow
not be able to abide
not be affected by
not be all there
not be at home to
not be behindhand
not be born yesterday
not be caught flatfooted
not be content with
not be entitled to
not be found
not be good for
not be in existence
not be in it
not be in pigtails
not be in your right mind
not be likely
not be met with
not be on speakers
not be on speaking terms
not be on time
not be ready
not be right in the head
not be surprised
not be taken in by
not be too visible
not be up to
not be versed
not be with it
not bear
not bear inspection
not bear with
not beat about the bush
not believe
not believe your ears
not believe your eyes
not believe your senses
not believed
not blink an eye
not boggle at anything
not born yesterday
not breathe
not breathe a word
not bright
not brook
not budge
not budge an inch
not butt in
not buy
not by a damn sight
not by a damn sight
not by a long chalk
not by a long shot
not by a long sight
not by any means
not care
not care a damn
not care a straw about
not care for
not care if you do
not care much for
not care to
not catching
not change
not charmed
not choke on
not come
not come amiss
not come near
not come off
not come to grips with
not come to the point
not come up to
not come up to expectation
not come up to par
not come up to scratch
not come up to the mark
not coming
not comparable
not comparable to
not compare
not compare with
not comply
not comprehensively
not concern
not condone
not conform
not connect with
not consent
not consider
not considerate
not considered
not convey anything
not cost anything
not count
not count the cost
not countenance
not counting
not crack a smile
not cricket
not cry over spilled milk
not cut it
not cut out for
not cut the mustard
not dare to show your face
not deep
not deep enough to float a match
not deny
not deserving belief
not destroy
not do
not do by halves
not do justice to
not done
not dry behind the ears
not easy
not eat
not either
not endanger
not endure
not enough
not enough to count
not enough to matter
not enter your head
not enter your mind
not equal to
not ever
not exhaustively
not exist
not expect
not expend
not expose yourself
not face up to
not fail
not fair
not fall for
not far
not far from
not far off
not fast
not feel like
not feel like anything
not figure
not fill the bill
not find it in your heart to
not find your way to first base
not firm
not fit for man or beast
not fit for mixed company
not fit to be seen
not fit to drink
not fit to eat
not flag
not flinch from
not following
not for attribution
not for love or money
not for publication
not for release
not for the life of me
not for the record
not for the world
not foresee
not forget
not found
not gag on
not get all choked up over
not get along
not get involved
not get involved in
not get off base
not get out of line
not get to first base
not give
not give a damn
not give a damn about
not give a dime a dozen for
not give a hoot
not give a hoot for
not give a shit
not give a shit for
not give a thought to
not give away
not give it a second thought
not give it another thought
not give two hoots for
not give up
not give up the ship
not go along with
not go for
not go off the deep end
not go on all fours with
not go out on a limb
not go too far
not good enough
not guesswork
not guilty
not hack it
not half
not half a chance
not half bad
not half of
not hard
not hard to look at
not hardly
not harken
not have
not have a Chinaman's chance
not have a chance
not have a dry thread
not have a leg to stand on
not have a moment to spare
not have a penny
not have a prayer
not have a sou
not have a word to say
not have all your buttons
not have all your marbles
not have any part of
not have anything to do with
not have idea one
not have it
not have it in one
not have the first idea
not have the foggiest
not have the heart
not have the heart to
not have the knack
not have the least idea
not have the remotest idea
not have the stomach for
not have the stomach to
not have time
not having all one's marbles
not having any
not hear a word
not hear of
not heed
not held against one
not held against you
not here
not hesitate
not hesitate to
not hold a candle to
not hold back
not hold it against one
not hold it against you
not hold together
not hold up
not hold up in the wash
not hold water
not hold with
not hold your breath
not if I can help it
not if I know it
not if you can help it
not implicate
not imply
not in donkey's years
not in error
not in it
not in keeping with
not in residence
not in the habit of
not in the least
not in the mood
not in the picture
not in the same street with
not in your right mind
not included
not infrequently
not interfere
not involve
not involve yourself
not keep
not keep faith with
not kid yourself
not know
not know any better
not know any of the answers
not know beans
not know chalk from cheese
not know from A to B
not know from Adam
not know how
not know someone from Adam
not know the first thing about
not know the half of it
not know the score
not know the time of day
not know the way home
not know up from down
not know what it is all about
not know what o'clock it is
not know what to make of
not know what you are about
not know what's what
not know when to stop
not know when you are beaten
not know where you stand
not know which way is up
not know which way to turn
not know your interest
not know your own mind
not known
not kosher
not leave a leg to stand on
not let a word escape one
not let a word escape you
not let go
not let it get you down
not let it go further
not let out a peep
not lift a finger
not lift a hand
not like
not likely
not listen
not live to eat
not live up to expectation
not long ago
not look back
not look backward
not look for
not look like
not lose a moment
not lose sight of
not lying down
not make an issue of
not make any difference
not make head or tail of
not make heads or tails of
not make it
not make out
not make sense
not make static
not make the course
not make the grade
not make waves
not many
not matter
not matter to
not mean a thing
not measure up
not measure up to expectation
not measuring up
not meddle
not meddle with
not meriting belief
not mince words
not mind
not mind if you do
not mind your business
not miss a trick
not move a foot
not moving
not much
not much for looks
not much of a bargain
not much to boast of
not much to look at
not nearly
not new
not notice
not observe
not occur
not of the earth
not of this world
not often
not on speaking terms
not on the job
not on your life
not one
not open your mouth
not opinion
not oppose
not outstanding
not overlook a bet
not pass
not pass muster
not pay
not penetrate
not perfect
not permit
not permitted
not play fair
not possible
not present
not pretend to say
not proceed with
not proved
not proven
not pull fair
not pull your punches
not pursue with
not put a foot wrong
not put it past
not put up with
not qualify
not quite
not quite right
not rare
not reach
not reach to
not real
not realize your expectations
not really
not receive
not refuse
not register
not relate to
not relax
not relax your concern
not remember
not resemble
not resist
not respect
not respectable
not rest
not right
not right in the head
not rightly know
not ring any bells
not ring true
not rock the boat
not say 'boo'
not say a word
not see
not see an inch beyond your nose
not see beyond your nose
not see the wood for the trees
not seldom
not show up
not shrink from
not shut your eyes
not signify
not singular
not slacken
not sleep a wink
not so
not so bad
not so dumb
not so many
not so much
not so you could tell it
not spare the horses
not speak well of
not square
not square with
not stand a chance
not stand for
not stand on ceremony
not stand up
not standard
not stick your neck out
not stir
not stir a step
not stomach
not stop to think
not stretch
not strike your colors
not subject to call
not submit
not suffer
not suffice
not surprised
not swallow
not sweat it
not take
not take 'no' for an answer
not take care of
not take it as a joke
not take kindly to
not take lying down
not take upon yourself to say
not tamper
not tell
not tell apart
not tell one from the other
not that sort
not that you know
not that you would know it
not the half of
not the same
not the same thing at all
not the thing
not the type
not there
not think
not think much of
not think of
not to be believed
not to be borne
not to be changed
not to be compared
not to be compared with
not to be deflected
not to be depended on
not to be depended upon
not to be despised
not to be distinguished
not to be endured
not to be expected
not to be had
not to be had at any price
not to be had for love or money
not to be handled without gloves
not to be improved
not to be minuted
not to be mistaken
not to be moved
not to be overlooked
not to be quoted
not to be recommended
not to be relied on
not to be relied upon
not to be shaken
not to be sneezed at
not to be thought of
not to be trifled with
not to be trusted
not to get a thing out of
not to lift a hand
not to mention
not to mince the matter
not to mince words
not to the purpose
not to your taste
not tolerate
not too bad
not touch
not touch with a ten-foot pole
not trouble your head about
not trouble your head with
not trouble yourself with
not true
not true to
not turn a hair
not turn the other cheek
not turning over
not understand
not unlike
not up to
not up to expectation
not up to sample
not up to scratch
not up to snuff
not up to specification
not up to standard
not up to your hopes
not use
not use up
not used
not utter a word
not vital
not wait for an invitation
not wait to be asked
not want any part of
not war
not wash
not waste
not weaken
not well-founded
not what it is cracked up to be
not what you used to be
not willing to hear of
not with it
not within the memory of man
not words but action
not work
not worth a continental
not worth a damn
not worth a rap
not worth a thought
not worth a whoop
not worth having
not worth mentioning
not worth saving
not worth speaking of
not worth the candle
not worth the pains
not worth the powder and shot
not worthwhile
not write off
not yield an inch
not your cup of tea
not your sort
not yourself
not-
not-being
not-delivery
not-ephemeral
not-good
not-living
not-out
not-self
not-soul
not-under-command lights
nota bene
notaries public
notarized statement
notary public
notch block
notch-lobed
notched-leaved
note broker
note discounting
note down
note of alarm
note of explanation
note of hand
note paper
note row
note shaver
note shaving
note value
note well
note-blind
note-blindness
note-book
note-holder
note-paper
note-perfect
notes inégales
notes of a scale
nothing at all
nothing doing
nothing else
nothing else but
nothing if not critical
nothing in excess
nothing in particular
nothing like
nothing loath
nothing more
nothing of the kind
nothing of the sort
nothing off
nothing on earth
nothing special
nothing to boast of
nothing to brag about
nothing to do with
nothing to do with the case
nothing to hide
nothing to it
nothing to say about
nothing to signify
nothing to speak of
nothing to the left
nothing to the right
nothing to think twice about
nothing to write home about
nothing under the sun
nothing whatever
nothing worth speaking of
notice board
notions counter
noto-
nought beside
noughts and crosses
noughts-and-crosses
noun clause
noun determiner
noun equivalent
noun phrase
nourish in your bosom
nouveau riche
nouveau roman
nouveau roturier
nouveau-riche
nowhere-dense
noxious stench
ns-a-vis
nt wt
nth degree
nth power
nu-value
nub yarn
nubbin disease
nubecula major
nubecula minor
nuci-
nucle-
nuclear artillery
nuclear atom
nuclear bomb
nuclear chemistry
nuclear cross section
nuclear electron
nuclear energy
nuclear engineer
nuclear envelope
nuclear explosive
nuclear family
nuclear fission
nuclear force
nuclear fuel
nuclear furnace
nuclear fusion
nuclear isomer
nuclear isomerism
nuclear magnetic resonance
nuclear magneton
nuclear particle
nuclear physicist
nuclear physics
nuclear power
nuclear power plant
nuclear radiation
nuclear rays
nuclear reaction
nuclear reactor
nuclear resonance
nuclear submarine
nuclear warhead
nuclear weapons
nuclear-powered ship
nuclear-powered submarine
numbered with the dead
numbers game
numbers pool
numbers racket
numbers runner
numdah rug
numeric data
numerical analysis
numerical aperture
numerical control
numerical forecasting
numerical weather prediction
numerous as the sands
numerous as the stars
nummulitic limestone
nun buoy
nun moth
nun's cloth
nun's fiddle
nun's veiling
nun-bird
nun-buoy
nunc dimitiss
nuncupative will
nunny bag
nuptial apartment
nuptial bond
nuptial knot
nuptial mass
nuptial plumage
nuptial song
nuptial tie
nurse an idea
nurse balloon
nurse cell
nurse child
nurse crop
nurse frog
nurse mother
nurse resentment
nurse shark
nurse tree
nurse your revenge
nurse's aide
nurse-child
nurse-father
nurse-mother
nurse-tree
nursery cannon
nursery rhyme
nursery school
nursery school child
nursery slopes
nursery stakes
nursery stock
nursery tale
nurses' station
nursing bottle
nursing father
nursing foot
nursing home
nursing mother
nursing sister
nurture a belief
nurture a feeling
nurture an idea
nurture the hope
nut bone
nut bread
nut brown
nut buoy
nut coal
nut crab
nut dash
nut grass
nut margarine
nut oil
nut palm
nut pine
nut quad
nut rush
nut sedge
nut to crack
nut weevil
nut-brown
nut-crack
nut-cracker
nut-cracking
nut-gall
nut-gathering
nut-grass
nut-hook
nut-oil
nut-shaped
nut-shelling
nut-sweet
nut-tapper
nut-toasting
nut-tree
nut-weevil
nutgall oak
nutmeg apple
nutmeg bird
nutmeg butter
nutmeg family
nutmeg flower
nutmeg geranium
nutmeg grater
nutmeg hickory
nutmeg liver
nutmeg melon
nutmeg oil
nutmeg pigeon
nutrient ratio
nutritional disease
nutritive ratio
nutritive value
nuts about
nuts and bolts
nuts on
nuts over
nutty as a fruitcake
nutty-brown
nutty-flavored
nutty-looking
nux vomica
nycti-
nycto-
nylon carpeting
nylon string
nymph pink
o gauge
o k
o-
o-o
o-o-a-a
o-os
oak apple
oak bark
oak beauty
oak blight
oak brown
oak button
oak canker
oak chestnut
oak family
oak fern
oak fly
oak fungus
oak gall
oak green
oak leaf
oak leaf cluster
oak leather
oak moss
oak nut
oak of Dodona
oak pruner
oak tag
oak thistle
oak toad
oak tree
oak veneer
oak wart
oak wilt
oak-apple
oak-beamed
oak-boarded
oak-clad
oak-cleaving thunderbolts
oak-covered
oak-crested
oak-crowned
oak-leaf brown
oak-leaf cluster
oak-leaved
oak-paneled
oak-tanned
oak-timbered
oak-tree
oak-tree money
oak-wainscoted
oar feather
oar-footed
oast house
oast-house
oast-houses
oat bread
oat cleaner
oat field
oat flour
oat grass
oat grinder
oat huller
oat kiln
oat mill
oat sheller
oat thistle
oat thresher
oat-bearing
oat-cake
oat-crushing
oat-fed
oat-growing
oat-producing
oat-shaped
oaten reed
oath breaker
oath breaking
oath helper
oath of allegiance
oath of office
oath of secrecy
oath purgatory
oath suppletory
oath-bound
oath-breaking
oath-despising
oath-detesting
oath-making
oatlike bent grass
oatlike grass
oatmeal cookie
oatseed bird
ob-
obeah doctor
obesity diet
obey the rules
obey your impulse
obispo pine
obiter dicta
obiter dictum
object ball
object case
object glass
object in mind
object language
object lens
object lesson
object libido
object matter
object of art
object of compassion
object of note
object of pity
object of your affections
object program
object space
object speculum
object staff
object teaching
object to
object-glass
object-matter
objectionable person
objective behavior
objective case
objective complement
objective correlative
objective existence
objective genitive
objective idealism
objective point
objective predicate
objective prism
objective relativism
objective relativist
objective spirit
objective truth
objectively true
objectivist objectless preposition
objet d'art
objet d-art
objet trouv
objets d'art
oblate spheroid
oblation cloth
oblige yourself
obliged to
oblique angle
oblique case
oblique circular cone
oblique circular cylinder
oblique coordinates
oblique figure
oblique line
oblique motion
oblique narration
oblique sailing
oblique section
oblique speech
oblique-angled
oblique-fire
obliquity of the ecliptic
obliterative inflammation
oblong-acuminate
oblong-cordate
oblong-cylindric
oblong-elliptic
oblong-elliptical
oblong-falcate
oblong-hastate
oblong-lanceolate
oblong-leaved
oblong-linear
oblong-ovate
oblong-ovoid
oblong-spatulate
oblong-triangular
oblong-wedgeshaped
obnoxious person
oboe d'amore
oboe da caccia
obscene language
obscene literature
obscure darkness
obscurem per obscurius
obsequent stream
observable behavior
observation balloon
observation car
observation flight
observation kite
observation mine
observation plane
observation platform
observation point
observation post
observation squadron
observation tower
observation train
observatory on the moon
observatory outlook
observe etiquette
observe protocol
observe the
observe the Golden Rule
observe the formalities
observe the proprieties
observe with a fine-toothed comb
obsess the mind
obsessed by
obsessional neurosis
obsessive compulsion
obsessive-compulsive neurosis
obsessive-compulsive reaction
obsidional coin
obsolete securities
obstacle course
obstacle race
obstacle racer
obstinate person
obstinate pride
obstruction light
obstruction to vision
obtain a divorce
obtain a return
obtain by fair means or foul
obtain under false pretenses
obtaining by deception
obtrude on
obtrude upon
obturator artery
obturator canal
obturator fascia
obturator membrane
obturator nerve
obturator vein
obtuse angle
obtuse bisectrix
obtuse triangle
obtuse-angled
obtuse-angled triangle
obtuse-angular
obtusi-
obvious clue
occasional cause
occasional chair
occasional licence
occasional poet
occasional table
occasional verse
occasioned by
occipital bone
occipital lobe
occipito-
occluded front
occult balance
occult meaning
occult phenomena
occult, the
occulting light
occulting screen
occupation bridge
occupation force
occupation franchise
occupation layer
occupation neurosis
occupation stamp
occupational disease
occupational hazard
occupational neurosis
occupational psychology
occupational school
occupational therapy
occupy a certain position
occupy a post
occupy the attention
occupy the chair
occupy the mind
occupy the mind with
occupy the thoughts
occupy the thoughts with
occupy time
occupy your time
occupy yourself
occupy yourself with
occur often
occur periodically
occur to
occur to your mind
ocean basin
ocean bed
ocean bottom
ocean breeze
ocean bug
ocean depths
ocean floor
ocean front
ocean green
ocean greyhound
ocean lane
ocean liner
ocean main
ocean marine insurance
ocean nymph
ocean of emptiness
ocean perch
ocean pout
ocean racer
ocean sea
ocean spray
ocean sunfish
ocean trade
ocean tramp
ocean travel
ocean trip
ocean zone
ocean-born
ocean-borne
ocean-carrying
ocean-compassed
ocean-flooded
ocean-girdled
ocean-going
ocean-going tug
ocean-guarded
ocean-rocked
ocean-severed
ocean-skirted
ocean-smelling
ocean-spanning
ocean-sundered
ocean-wide
oceanic island
oceanographic research ship
ocellated turkey
ocelli-
ocher brown
ocher orange
ocher red
ocher-brown
ocher-colored
ocher-red
ocher-yellow
ochr-el-guerche
ochro-
oct-
octa-
octadecanoic acid
octagon scale
octahedron group
octal base
octal notation
octal system
octane number
octane rating
octanedioic acid
octave coupler
octave flute
octave scale
octave species
octet theory
octo-
octyl alcohol
octyl phenol
ocuba wax
ocul-
ocular inspection
ocular spectroscope
ocular spectrum
ocular spot
oculo-
oculomotor nerve
odd and even
odd fellow
odd fish
odd job
odd lot
odd man
odd man out
odd moments
odd number
odd or even
odd permutation
odd person
odd thing
odd-bell system
odd-come-short
odd-come-shortly
odd-even check
odd-fangled
odd-humored
odd-jobber
odd-jobman
odd-looking
odd-lot
odd-lot dealer
odd-mannered
odd-me-dod
odd-numbered
odd-pinnate
odd-shaped
odd-sounding
odd-thinking
odd-toed
odds and ends
odds and sods
odds or evens
odds-on
odds-on chance
odium theologicum
odont-
odonto-
odontoid process
odor of sanctity
odour of sanctity
odylic force
oedipus complex
oeil-de-boeuf
oeils-de-boeuf
oenanthic ester
oenanthic ether
oeno-
oesophago-
oestrous cycle
of Nassau
of Preston
of a certain age
of a certainty
of a kind
of a low order of importance
of a mind to
of a piece
of a place
of a size
of a sort
of a sudden
of a truth
of age
of all descriptions
of all kinds
of all manner of colors
of all misery
of all shapes
of all sorts
of all the colors of the rainbow
of all things
of all types
of all work
of another sort
of any description
of any kind
of any sort
of bad faith
of behavior
of choice
of cleanly habits
of common ancestry
of common descent
of common occurrence
of common source
of common stock
of concern
of concernment
of consequence
of consummate art
of counsel
of course
of design
of different orders
of doubt
of easy virtue
of evil portent
of fatal omen
of feeling
of few words
of fiction
of full age
of general application
of general utility
of gentle blood
of good breed
of good cheer
of good comfort
of good credit
of good hope
of good omen
of good physique
of gourmet quality of great cost
of great price
of happy portent
of heart
of help
of ill omen
of importance
of interest
of itself
of kin
of language
of late
of like mind
of little brain
of little consequence
of little importance
of long duration
of long standing
of loose morals
of many words
of mark
of marriageable age
of moment
of necessity
of no account
of no avail
of no concern
of no consequence
of no earthly use
of no effect
of no force
of no great importance
of no importance
of no matter
of no purpose
of no significance
of no use
of note
of old
of one accord
of one mind
of one piece
of opposite polarity
of other times
of powerful physique
of preference
of promise
of quality
of rank
of record
of ripe age
of sentiment
of service
of set purpose
of significance
of small importance
of small number
of sorts
of soul
of sound mind
of that ilk
of that kind
of that sort
of the best
of the best sort
of the blood
of the clock
of the cloth
of the dead
of the deepest
of the deepest dye
of the earth
of the essence
of the faith
of the first magnitude
of the first rank
of the first water
of the folk
of the highest type
of the old school
of the same hue
of the same kidney
of the same mind
of the same stripe
of the true faith
of the war party
of two minds
of unsound mind
of use
of value
of vital importance
of weight
of yesterday
of yore
of your own
of your own accord
of your own choice
of your own free will
of your own volition
of-
of-door
of-fact
of-the-moment
off Broadway
off and on
off base
off chance
off colour
off cut
off day
off duty
off guard
off in the clouds
off in the upper story
off in your reckoning
off key
off limits
off line
off market
off note
off of
off on
off pat
off plumb
off season
off side
off soundings
off stage
off stump
off the air
off the beam
off the beaten track
off the course
off the cuff
off the field
off the ground
off the heading
off the hinges
off the hip
off the hook
off the old block
off the rails
off the record
off the reel
off the shelf
off the subject
off the top of the head
off the top of your head
off the track
off the trolley
off the vertical
off the wall
off the wind
off white
off with
off with you
off work
off year
off you go
off your beat
off your chump
off your feed
off your guard
off your hands
off your head
off your nut
off your rocker
off your trolley
off-
off-Broadway
off-balance
off-base
off-bear
off-bearer
off-bitten
off-board
off-break
off-cast
off-center
off-centered
off-centre
off-chance
off-color
off-colored
off-corn
off-cutting
off-drive
off-fall
off-falling
off-flavor
off-flow
off-glide
off-go
off-guard
off-hand
off-handed
off-hit
off-hitting
off-hour
off-key
off-licence
off-license
off-limits
off-line
off-load
off-loading
off-look
off-lying
off-mike
off-off-Broadway
off-peak
off-pitch
off-put
off-putting
off-reckoning
off-season
off-setting
off-shaving
off-shed
off-sider
off-sloping
off-sorts
off-stage
off-standing
off-street
off-taking
off-the-cuff
off-the-face
off-the-peg
off-the-record
off-the-wall
off-thrown
off-time
off-tone
off-turning
off-wheel
off-wheeler
off-white
off-year
off-year election
offend against the law
offend the ear
offend the eye
offend the nostrils
offense to the nostrils
offensive lineman
offensive load
offensive odor
offensive strategy
offensive to ears polite
offensive to gentle ears
offensive warfare
offer a good prospect
offer a prayer
offer a resolution
offer as a plea
offer at a bargain
offer bait to
offer excuse for
offer for sale
offer in defense
offer in exchange
offer itself
offer of marriage
offer of parley
offer price
offer resistance
offer sacrifice
offer thanks
offer the expectation
offer to buy
offer to the public
offer up
offer up an oblation
offer your compliments
offer your congratulations
offer your felicitations
offer yourself
offered price
offering no delight
offering price
offertory hymn
offertory sentence
offertory veil
offhand position
offhand shot
official residence
office bearer
office block
office boy
office building
office copy
office fixture
office force
office found
office furniture
office girl
office hours
office hunter
office lawyer
office lock
office manager
office practice
office premium
office seeker
office temporary
office worker
office-bearer
office-block ballot
office-boy
office-seeking
officer of arms
officer of the court
officer of the day
officer of the deck
officer of the guard
officer of the watch
officer plant
officer tree
officers’ country
official count
official document
official jargon
official journal
official language
official oath
official scorer
official secrecy
official spokesman
officious will
offsourings of society
offscum of society
offset line
offset lithography
offset lithography press
offset sheet
offset staff
offset-litho
offshore dock
offshore rights
offspring of Heav'n firstborn
offtrack betting
oft-named
oft-repeated
oft-time
oft-times
often enough
often offensive
ogee arch
ogee doorway
ogle at
oh boy
oh yes
ohm-ammeter
ohm-ampere system
ohm-mile
ohmic resistance
oil and vinegar
oil asphalt
oil bath
oil beetle
oil box
oil burner
oil bushing
oil cake
oil camp
oil can
oil cellar
oil circuit breaker
oil color
oil column
oil cup
oil derrick
oil distiller
oil drill
oil drum
oil engine
oil extractor
oil feeder
oil field
oil fuel
oil furnace
oil gas
oil gauge
oil gilding
oil gland
oil green
oil groove
oil gun
oil heat
oil heater
oil heating
oil lamp
oil land
oil meal
oil mill
oil milling
oil mold
oil nut
oil of almonds
oil of ben
oil of cade
oil of catechumens
oil of mirbane
oil of myrbane
oil of palms
oil of the sick
oil of turpentine
oil of vitriol
oil of wintergreen
oil omphacine
oil paint
oil painter
oil painting
oil paints
oil palm
oil pan
oil plant
oil press
oil pulp
oil refiner
oil refinery
oil rig
oil ring
oil rock
oil sand
oil shale
oil shark
oil sheet
oil silk
oil slick
oil spot
oil stove
oil switch
oil tanker
oil tanning
oil tar
oil the tongue
oil tree
oil tube
oil varnish
oil well
oil whetstone
oil yellow
oil-bag
oil-base paint
oil-bearing
oil-break switch
oil-bright
oil-burning
oil-carrying
oil-colorist
oil-colour
oil-containing
oil-cooled
oil-dispensing
oil-distributing
oil-driven
oil-electric
oil-fed
oil-filled
oil-finding
oil-finished
oil-fired
oil-forming
oil-fueled
oil-gas tar
oil-gilding
oil-harden
oil-hardened steel
oil-hardening
oil-heat
oil-heated
oil-insulated
oil-laden
oil-lit
oil-mill
oil-nut
oil-plant
oil-producing
oil-pumping
oil-refining
oil-regulating
oil-saving
oil-seal
oil-secreting
oil-seed
oil-smelling
oil-soaked
oil-temper
oil-tempered
oil-testing
oil-thickening
oil-tongued
oil-tree
oil-yielding
oilcloth knife
oiled silk
oilspot glaze
oily calm
oily-brown
oily-looking
oily-smooth
oily-tongued
oino-
oiticica oil
oka cheese
okej-dokey
okle-dokle
old Adam
old age
old age pension
old amethyst
old as Adam
old as Methuselah
old as history
old as the hills
old as time
old bach
old bachelor
old bag
old battle-ax
old believer
old bird
old blue
old boy
old boy network
old bulgarian
old campaigner
old catholic
old cedar
old chap
old chat
old man
old man's beard
old master
old moon
old nick
old nobility
old norse
old order
old paper
old party
old person
old poop
old pro
old prussian
old red
old river
old rose
old salt
old saw
old saxon
old school
old school tie
old sea dog
old sledge
old soldier
old soldiers’ home
old song
old squaw
old stager
old story
old style
old talk
old testament
old times
old trot
old turkey
old welsh
old wheeze
old wife
old witch grass
old wives' tale
old woman
old world
old-age
old-age and survivors insurance
old-age assistance
old-age insurance
old-age pension
old-age pensioner
old-aged
old-bachelorish
old-bachelorship
old-boyish
old-clothesman
old-country
old-established
old-faced
old-fangled
old-farrand
old-farrandlike
old-fashioned
old-fashionedly
old-fashionedness
old-field birch
old-field dove
old-field lark
old-field pine
old-fogeydom
old-fogeyish
old-fogy
old-fogydom
old-fogyish
old-fogyishness
old-fogeyism
old-gathered
old-gentlemanly
old-gold
old-growing
old-ivory
old-ladyhood
old-line
old-line company
old-liner
old-looking
old-maid
old-maidenish
old-maidish
old-maidishness
old-maidism
old-man cactus
old-man fern
old-man's-beard
old-new
old-rose
old-school
old-sighted
old-sightedness
old-squaw
old-standing
old-style
old-time
old-time country music
old-time religion
old-timer
old-timey
old-timey music
old-timiness
old-timy
old-wifely
old-wifish
old-womanish
old-womanishness
old-womanism
old-womanly
old-world
old-worldish
old-worldism
old-worldliness
old-worldly
old-young
olde-worlde
olden times
oldest profession
ole-
oleander fern
oleander scale
oleaster family
olefiant gas
olefin series
oleic acid
oleo gear
oleo leg
oleo oil
oleo strut
oleo-
oleoyl group
oleoyl radical
oleyl alcohol
olfactory area
olfactory bulb
olfactory cell
olfactory nerve
olfactory nerves
olfactory organ
olive-growing
olive-kernel oil
olive-oil castile soap
olive-pale
olive-shadowed
olive-shadowed
olive-sidaled
olive-sidaled flycatcher
olive-skinned
olive-tree agaric
olive-wood
olivine-andesite
olivine-basalt
olla podrida
olla-podrida
olympian games
olympic games
om mani padme hum
omander wood
ombres chinoises
ombro-
ome next
omega minus
omega particle
omni mane
omni-
omni-ignorant
omnia vincit amor
omnibus bill
omnibus box
omnibus clause
omnibus driver
omnibus train
omnibus volume
omnibus-driving
omnibus-fashion
omnibus-riding
omnidirectional antenna
omnidirectional microphone
omnidirectional range
omnipotent ruler
omnium gatherum
omnium-gatherum
omnium-gatherums
omo-hyoid
omphalo-
on Easy Street
on Queer Street
on a beam
on a beat
on a bed of roses
on a bowline
on a broad reach
on a cloud
on a declining scale
on a first-name basis
on a footing
on a good footing
on a large scale
on a leash
on a lee shore
on a level
on a line
on a minuscule scale
on a par
on a reach
on a rock
on a slant
on a small scale
on a stretch
on a string
on a sudden
on a sudden impulse
on a treadmill
on account
on account of
on account of this
on account of what
on account of which
on all accounts
on all counts
on all fours
on all fours with
on all hands
on all sides
on all tongues
on amicable terms
on an easy bowline
on an even keel
on an infinitesimal scale
on and off
on and on
on approval
on bad terms
on bail
on balance
on base
on bedrock
on behalf of
on bended knee
on board
on board ship
on budget terms
on call
on center
on chosen
on cloud nine
on condition
on condition that
on consignment
on credit
on deck
on demand
on deposit
on dit
on divers occasions
on draft
on dry land
on duty
on eagle's wings
on earth
on easy terms
on edge
on end
on equal terms
on even ground
on even terms
on every hand
on every side
on everyone's lips
on everyone's tongue
on faith
on familiar terms
on file
on fire
on foot
on footback
on friendly terms
on furlough
on good terms
on guard
on hand
on hands and knees
on her beam-ends
on her own bottom
on high
on hire
on holiday
on horseback
on ice
on impulse
on instinct
on intimate terms
on its beam-ends
on its side
on key
on land
on leash
on leave
on line
on live
on loan
on no account
on no condition
on no occasion
on occasion
on offer
on one
on one occasion
on one side
on one's beam-ends
on one's hands and knees
on one's last legs
on one's uppers
on order
on pain of
on paper
on parole
on passage
on penalty of
on pension
on pins and needles
on principle
on probation
on purpose
on reconsideration
on record
on relief
on route to
on sabbatical leave
on schedule
on second thought
on security
on shank's mare
on shank's pony
on shipboard
on ships
on short commons
on short notice
on side
on sight
on slippery ground
on solid ground
on soundings
on speaking terms
on stilts
on stream
on sufferance
on sure ground
on tap
on tenterhooks
on terms
on terms of equality
on terra firma
on that account
on that ground
on that occasion
on the
on the Book
on the agenda
on the air
on the alert
on the anvil
on the anxious bench
on the anxious seat
on the assumption that
on the attack
on the average
on the back of
on the ball
on the bare possibility
on the barricades
on the bash
on the beach
on the beam
on the beam's ends
on the beam-ends
on the beat
on the beaten track
on the bench
on the berth
on the bias
on the blink
on the block
on the boards
on the books
on the borderline
on the bounce
on the brain
on the brink
on the brink of
on the bum
on the button
on the calendar
on the cards
on the carpet
on the chance
on the cheap
on the coattails of
on the confines of
on the contrary
on the course
on the crest
on the crest of the wave
on the critical list
on the cuff
on the decline
on the defensive
on the descendant
on the docket
on the dole
on the dot
on the double
on the double-quick
on the downgrade
on the downward track
on the earth
on the edge
on the edge of
on the edge of tears
on the eve of
on the evidence
on the face of
on the face of it
on the face of the earth
on the face of the globe
on the fence
on the fire
on the flank of
on the floor
on the fly
on the fritz
on the gad
on the go
on the good side of
on the ground
on the heading
on the heel and toe
on the high road
on the high road to
on the high seas
on the high side
on the hip
on the hoof
on the hook
on the hop
on the horizon
on the horns of a dilemma
on the house
on the in with
on the increase
on the instant
on the jar
on the job
on the jump
on the knees of the gods
on the knocker
on the lam
on the lap of the gods
on the left
on the level
on the lift
on the lines of
on the lookout
on the lookout for
on the loose
on the low side
on the make
on the march
on the mark
on the market
on the mend
on the minute
on the model of
on the money
on the move
on the nail
on the nod
on the nose
on the off chance
on the offensive
on the order of
on the other hand
on the outs
on the outs with
on the outside
on the pad
on the parish
on the part of
on the peak
on the pinnacle
on the point
on the point of
on the present occasion
on the qt
on the quiet
on the rack
on the ragged edge
on the razor's edge
on the rebound
on the receiving end
on the return
on the right
on the right scent
on the right side of
on the right track
on the rise
on the road
on the road to
on the rocks
on the run
on the safe side
on the same footing
on the same level
on the same old round
on the same plane
on the scent of
on the score of
on the shady side
on the shady side of
on the shelf
on the shelves
on the shoulders of
on the sick list
on the side
on the skids
on the skirts of
on the sly
on the spot
on the spur of the moment
on the square
on the stage
on the stick
on the stocks
on the straight
on the streets
on the strength of
on the subject of
on the summit
on the supposition that
on the surface
on the table
on the take
on the tapis
on the throne
on the tip of your tongue
on the top
on the town
on the track of
on the trail of
on the tramp
on the turn
on the up-and-up
on the upbeat
on the upgrade
on the upswing
on the verge
on the verge of
on the wagon
on the wane
on the watch
on the watch for
on the water cart
on the water wagon
on the way
on the way to
on the whole
on the wind
on the wing
on the wrong
on the wrong tack
on thin ice
on this account
on this side of the grave
on tick
on time
on tippytoe
on tiptoe
on to
on top
on top of
on top of the heap
on top of the roost
on top of the world
on tour
on trial
on trust
on vacation
on velvet
on view
on visiting terms
on welfare
on what account
on what occasion
on wheels
on which
on which occasion
on your
on your back
on your beam-ends
on your belly
on your bended knees
on your coattails
on your deathbed
on your feet
on your guard
on your hands
on your head
on your high horse
on your hind legs
on your hunkers
on your knees
on your last legs
on your legs
on your mark
on your marrowbones
on your mettle
on your mind
on your nose
on your own
on your own account
on your own ground
on your own hook
on your own initiative
on your own responsibility
on your own say-so
on your own time
on your shitlist
on your toes
on your travels
on your uppers
on your way
on your word
on your word of honor
on-
on-again-off-again
on-board
on-coming
on-ding
on-dit
on-drive
on-glaze
on-glide
on-go
on-going
on-hit
on-limits
on-line
on-off switch
on-stage
on-stream
on-the-job training
once again
once and again
once and for all
once and for always
once and no more
once for all
once in a blue moon
once in a coon's age
once in a thousand years
once in a while
once more
once or twice
once over lightly
once pinnate
once removed
once upon a time
once-accented
once-born
once-over
once-run
onco-
ondes Martenot
one C
one accord
one after the other
one all over
one and all
one and indivisible
one and only
one and the same
one another
one at a time
one bone and one flesh
one by one
one can assume
one cheer more
one day
one dem'd horrid grind
one fifth
one fine day
one fine morning
one flesh
one for all
one for the book
one for the road
one fourth
one half
one hoss shay
one hundred thousand
one in a million
one in a thousand
one in a way
one in ten thousand
one leg
one man
one mind
one o'clock
one of the people
one of these days
one of us
one old cat
one or two
one small difficulty
one thing leads to another
one thing nor the other
one thing to another
one time
one touch of nature
one up
one up on
one voice
one vote
one's adieu
one's all
one's ancestors
one's best
one's best effort
one's best endeavor
one's betters
one's blind side
one's crowd
one's damndest
one's darndest
one's days are numbered
one's disposal
one's doom is sealed
one's due
one's fathers
one's heels
one's hour is come
one's level best
one's mouth
one's move
one's native ground
one's native heath
one's native place
one's number is up
one's own choice
one's own discretion
one's own initiative
one's own man
one's own sweet time
one's own will
one's race is run
one's say
one's set
one's turn
one's two cents' worth
one's utmost
one's worth
one-a-cat
one-act
one-acter
one-and-a-half
one-armed
one-armed bandit
one-base hit
one-berry
one-blade
one-bladed
one-buttoned
one-by-one
one-celled
one-chambered
one-class
one-classer
one-colored
one-crop
one-cusped
one-day
one-decker
one-dimensional
one-dimensional wave
one-dollar
one-eared
one-egg
one-eighty
one-eyed
one-eyedness
one-finned
one-flowered
one-foot
one-footed
one-fourth
one-grained
one-hand
one-handed
one-handedness
one-hearted
one-hoofed
one-horned
one-horse
one-horse town
one-humped
one-hundred-fifty
one-hundred-percenter
one-hundred-percentism
one-ideaed
one-inch
one-jointed
one-layered
one-leaf
one-leaved
one-legged
one-leggedness
one-letter
one-line
one-line octave
one-lung
one-lunged
one-lunger
one-man
one-man rule
one-many
one-minute
one-nerved
one-night
one-night stand
one-nighter
one-o'clock
one-off
one-one
one-party rule
one-party system
one-petaled
one-piece
one-piece suit
one-piecer
one-pipe
one-pipe furnace
one-point
one-point perspective
one-pope
one-pound
one-pounder
one-price
one-quarter
one-rail
one-reeler
one-ribbed
one-roomed
one-seater
one-seeded
one-sepaled
one-septate
one-shot
one-sided
one-sidedly
one-sidedness
one-spot
one-star general
one-step
one-step rocket
one-storied
one-story
one-striper
one-term
one-third
one-time
one-to-one
one-toed
one-track
one-track mind
one-two
one-two punch
one-up
one-upmanship
one-valued
one-way
one-way communication
one-way ticket
one-way trip
one-windowed
one-winged
one-word
one-year
oneiro-
one's self
onga-onga
onglette file
onion couch
onion dome
onion flute
onion fly
onion foot
onion louse
onion maggot
onion mildew
onion red
onion roll
onion salt
onion sauce
onion set
onion smudge
onion smut
onion structure
onion twitch
onion-eyed
onionskin pink
onirio-
onium compound
onization potential
only a few
only a step
only choice
only have eyes for
only human
only if
only just
only not
only now and then
only occasionally
only once
only think
only too
only when necessary
only when the spirit moves
only yesterday
only-begotten
onomato-
onomatopoeic word
onshore breeze
ont-
onto-
ontological argument
ontological proof
ontrary to expectation
onus probandi
onward and upward
onward course
onyx marble
oo-
oo-la-la
ooblastema filament
oop cit
ooze leather
ooze out
op art
op artist
op cit
op-
opal blue
opal glass
opal gray
opal matrix
opal-tinted
opaline green
opaque color
opaque context
opaque projector
open Pandora's box
open a can of worms
open a show
open a show cold
open account
open aerial
open air
open an account with
open an offensive
open and aboveboard
open arms
open as day
open book
open chain
open circuit
open city
open classroom school
open cluster
open communion
open conflict
open country
open couplet
open court
open cut
open day
open discussion
open door
open enemy
open enrollment
open field
open fire
open for discussion
open forum
open game
open hand
open hand knot
open heart
open her up
open hostilities
open house
open housing
open into
open juncture
open letter
open mandate
open market
open market operations
open mind
open one's mouth
open order
open policy
open position
open primary
open quarrel
open question
open road, the
open rupture
open secret
open sentence
open sequence
open sesame
open shop
open sight
open space
open sphere
open stock
open string
open syllable
open system
open the
open the door to
open the draft
open the eyes
open the eyes to
open the floodgates
open the light
open the lock
open the mind
open the possibility of
open the purse
open the sluices
open the throttle
open the way
open the way for
open throttle
open time
open to
open to all
open to criticism
open to doubt
open to error
open to question
open to reproach
open to solution
open to suspicion
open to the public
open to view
open trailer
open union
open up
open up on
open up the possibility of
open verdict
open waggon
open war
open warfare
open wound
open your big fat mouth
open your big mouth
open your eyes
open your eyes to
open your lips
open your mind to
open your mouth
open-air
open-air theater
open-airish
open-airishness
open-airism
open-airness
open-and-shut
open-and-shut case
open-armed
open-armedly
open-back
open-back press
open-backed
open-bill
open-bladed
open-breasted
open-caisson
open-chested
open-circuit
open-coil
open-countenanced
open-crib
open-cribbed
open-door
open-door policy
open-doored
open-eared
open-end
open-end bond
open-end fund
open-end investment company
open-end wrench
open-ended
open-endedness
open-eyed
open-eyedly
open-face
open-face sandwich
open-faced
open-field
open-fire
open-flowered
open-frame girder
open-front
open-fronted
open-frontedness
open-gaited
open-grained
open-handed
open-handedly
open-headed
open-heart surgery
open-hearted
open-heartedly
open-heartedness
open-hearth
open-hearth furnace
open-hearth process
open-hearthed
open-housed
open-housedness
open-housing
open-joint
open-jointed
open-kettle
open-kneed
open-letter
open-letter proof
open-lined
open-market
open-minded
open-mindedly
open-mindedness
open-mouthed
open-mouthedly
open-mouthedness
open-newel
open-newel stair
open-pan
open-patterned
open-phase
open-phase relay
open-pit
open-pitted
open-plan
open-pollinated
open-reel
open-roofed
open-rounded
open-sand
open-sequence system
open-shelf
open-shelter-deck vessel
open-shelved
open-shop
open-sided
open-sidedly
open-sidedness
open-sleeved
open-spaced
open-spacedly
open-spacedness
open-spoken
open-spokenly
open-spokenness
open-tank
open-tide
open-timber
open-timbered roof
open-timbered
open-timbre
open-top
open-topped
open-view
open-visaged
open-weave
open-web
open-webbed
open-webbedness
open-well
open-windowed
open-windowedness
open-work
open-worked
opencast mining
opening bit
opening die
opening gun
opening move
opening price
opening time
opening up
openness to sensation
openness to sight
openside planer
opera ballet
opera bouffe
opera box
opera buffa
opera buffas
opera cape
opera cloak
opera comique
opera dancer
opera festival
opera flannel
opera glass
opera glasses
opera hat
opera hood
opera house
opera omnia
opera pink
opera score
opera season
opera seria
opera serias
opera singer
opera-going
opera-mad
operant conditioning
operas buffa
operas seria
operate at a loss
operate on
operatic overture
operatic singing
operating budget
operating company
operating cost
operating costs
operating expense
operating expenses
operating room
operating speed
operating table
operating theatre
operational gain
operational purpose
operational research
operations research
operations room
operative dentist
operative dentistry
operative surgeon
operative surgery
operator gene
operculi-
opere buffe
opere citato
opere serie
ophio-
ophthalm-
ophthalmia neonatorum
ophthalmo-
ophthalmo-reaction
opiate addiction
opinion poll
opinion sampling
opinion survey
opinion-sampler
opistho-
opium den
opium drinker
opium eater
opium poisoning
opium poppy
opium smoker
opium taker
opium-drinking
opium-drowsed
opium-eating
opium-shattered
opium-smoking
opium-taking
opossum mouse
opossum shrimp
opossum tree
opossum wood
opponent colors theory
opportunity cost
oppose change
opposed to
opposed to change
opposed-piston engine
opposing party
opposite as black and white
opposite as day and night
opposite as fire and water
opposite as light and darkness
opposite as the poles
opposite camp
opposite number
opposite poles
opposite prompt
opposite prompt side
opposite sex
opposite side
opposite tide
opposite to
opposite-leaved
oppositi-
opposition party
opposition to change
opposition voice
oppression of spirit
opra bouffe
opra comique
opsonic immunity
opsonic index
opsonic therapy
opsonocytophagic test
opt for
opt out
opt out of society
optic axis
optic chiasm
optic disc
optic disk
optic nerve
optic neuritis
optic thalamus
optical activity
optical air mass
optical altimeter
optical bench
optical character reader
optical crown
optical density
optical double star
optical flint
optical glass
optical illusion
optical instrument
optical instruments
optical isomer
optical isomerism
optical maser
optical microscope
optical path
optical physics
optical pyrometer
optical rotation
optical scanning
optical telescope
optical tooling
optically active
optically inactive
optico-
optimum capacity
optimum programming
optional bond
optional dividend
optional primary
optional referendum
opto-
opus araneum
opus consutum
opus incertum
opus isodomum
opus pectineum
opus pseudoisodomum
opus reticulatum
or Harry
or buts
or circuit
or else
or ever
or not
or steal
or the instrument evidencing
or-
ora pro nobis
oracle of Dodona
oral cavity
oral communication
oral contraceptive
oral evidence
oral examination
oral groove
oral history
oral interpretation
oral method
oral poetry
oral society
oral surgery
oral-genital stimulation
orang-outang
orang-utan
orange III
orange aphid
orange aurora
orange basketworm
orange berry
orange blossom
orange chipper
orange chrome yellow
orange chromide
orange coneflower
orange daisy
orange flower water
orange grower
orange gum
orange hawkweed
orange juice
orange lead
orange leaf rust
orange lily
orange madder
orange maggot
orange marmalade
orange melon
orange milkweed
orange milkwort
orange mineral
orange ocher
orange orchard
orange peel
orange peel reflector
orange peeler
orange pekoe
orange quince
orange quit
orange rust
orange scab
orange scale
orange spoon
orange stick
orange sulfur
orange sulphur
orange sunflower
orange swallowwort
orange tip
orange vermillion
orange water
orange wife
orange wine
orange-blossom
orange-colored
orange-crowned
orange-eared
orange-eye butterfly bush
orange-fleshed
orange-flower
orange-flowered
orange-headed
orange-hued
orange-leaf
orange-leaf beetle
orange-peel bucket
orange-red
orange-rufous
orange-shaped
orange-sized
orange-striped
orange-tailed
orange-tawny
orange-throated
orange-tip
orange-tipped
orange-tree
orange-winged
orange-yellow
orate fratres
oratio obliqua
oratio recta
oratorio society
orb of day
orb of night
orb weaver
orbiculato-
orbit sweeper
orbit the earth
orbit the moon
orbital angular momentum
orbital electron
orbital index
orbital quantum number
orbital velocity
orbiting geophysical observatory
orbiting observatory
orbiting solar observatory
orbito-
orchard bush
orchard fruit
orchard grass
orchard heater
orchard heating
orchard house
orchard oriole
orchard valve
orchella weed
orchestra bells
orchestra circle
orchestra leader
orchestra pit
orchestral bells
orchestral horn
orchestral musician
orchestral score
orchid family
orchid fly
orchid peat
orchid pink
orchid rose
orchid tree
orchido-
orchilla weed
ordeal bark
ordeal bean
ordeal by battle
ordeal by fire
ordeal by lots
ordeal by water
ordeal root
ordeal tree
order about
order arms
order around
order bill of lading
order blank
order in council
order of battle
order of being
order of business
order of magnitude
order of nature
order of succession
order of the day
order of worship
order paper
order port
order up
order-book
ordered around
ordered field
ordered pair
orderly bin
orderly book
orderly officer
orderly room
orderly sergeant
ordinal number
ordinary Joe
ordinary algebra
ordinary differential equation
ordinary jubilee
ordinary life insurance
ordinary man
ordinary people
ordinary point
ordinary ray
ordinary run
ordinary run of things
ordinary seaman
ordinary share
ordinary shares
ordinary stock
ordinary wave
ordinary, the
ordinary-language philosophy
ordinato-punctate
ordinance corps
ordinance datum
ordnance engineer
ordnance engineering
ordnance map
ordnance officer
ordnance rocket
ordnance sergeant
ore bed
ore body
ore bridge
ore car
ore charger
ore chute
ore digger
ore dressing
ore handler
ore hearth
ore mill
ore miner
ore process
ore rotundo
ore shoot
ore smelter
ore weigher
ore-bearing
ore-buying
ore-crushing
ore-extracting
ore-forming
ore-handling
ore-hoisting
ore-milling
ore-mining
ore-roasting
ore-smelting
ore-washing
ore-weed
oregon grape
orey-eyed
organ beater
organ blower
organ builder
organ building
organ cactus
organ coral
organ desk
organ erector
organ fish
organ gallery
organ grinder
organ gun
organ harmonium
organ loft
organ maker
organ manual
organ of Corti
organ of taste
organ of thought
organ of vision
organ pipe
organ player
organ point
organ screen
organ stop
organ swell
organ transplant
organ transplantation
organ whistle
organ-blowing
organ-grinder
organ-piano
organ-pipe
organ-pipe cactus
organ-pipe coral
organic being
organic chemical
organic chemist
organic chemistry
organic chlorine
organic disease
organic electricity
organic fertilizer
organic matter
organic mechanism
organic mechanist
organic nature
organic phosphate insecticide
organic psychosis
organic remains
organic structure
organic unity
organization insignia
organization man
organized crime
organized ferment
organized labor
organized matter
organized militia
organized reserves
organo-
orgone box
orgone energy
orgone theory
orgone-energy accumulator
ori-ellipse
oriel window
orient blue
orient pink
orient red
orient the chart
orient the map
orient yellow
orient yourself
oriental beetle
oriental cockroach
oriental poppy
oriental roach
oriental rug
orientate yourself
orientation course
orifice meter
origanum oil
original condition
original jurisdiction
original sin
original title
originate from
originate in
orl fly
orlop deck
ormolu varnish
ornamental composition
ornamental garden
ornamental glass
ornamental grass
ornamental motif
ornamental style
ornamental theme
ornaments rubric
ornith-
ornitho-
oro-
orographic cloud
orographic precipitation
orphan chamber
orphans' court
orphreyed miter
orpiment orange
orpiment red
orpiment yellow
orpine family
orra man
orris oil
orth-
ortho-
ortho-cousin
ortho-orsellinic
ortho-toluidine
ortho-xylene
orthoboric acid
orthochromatic film
orthoclase-basalt
orthoclase-gabbro
orthodox Christian
orthodox judaism
orthoformic acid
orthogonal matrix
orthogonal projection
orthogonal trajectory
orthographic projection
orthomorphic projection
orthopedic surgery
orthophosphoric acid
orthophosphorous acid
orthoptic exercises
ortolan bunting
orycto-
oso magnum
osage orange
oscheo-
oscillating current
oscillating engine
oscillating universe theory
oscillation circuit
oscillation constant
oscillation engine
oscillation number
oscillation transformer
oscillation-cylinder engine
oscillator relay actuator
oscillator relay control
oscillatory behavior
otaheite apple
other continuums
other face
other fish to fry
other from
other half
other self
other side
other side of the coin
other side of the picture
other some
other than
other things being equal
other world
other-directed
other-directedness
other-direction
other-group
other-self
otic vesicle
otitis externa
otitis interna
otitis media
otium cum dignitate
oto-
ottava alta
ottava bassa
ottava rima
otter board
otter brown
otter canoe
otter gear
otter hound
otter raft
otter sheep
otter shell
otter shrew
otter trawl
ouabe oil
oufs a la coque
oufs brouilles
oufs poches
oufs sur le plat
ought to
ouija board
ounce apothecaries'
ounce avoirdupois
ounce metal
ounce troy
our account of ourselves
our father
our times
ourang-outang
ourano-
ouster le main
ouster-le-main
out ahead
out and away
out at elbows
out at heels
out at the elbows
out at the heels
out board
out cold
out for
out for bear
out from under
out front
out guide
out in front
out in left field
out in the cold
out in the open
out in your reckoning
out loud
out of
out of a clear blue sky
out of a clear sky
out of a job
out of accord
out of action
out of all bounds
out of all proportion
out of all reason
out of bounds
out of breath
out of character
out of commission
out of conceit with
out of condition
out of contact
out of control
out of countenance
out of court
out of danger
out of date
out of debt
out of doors
out of earreach
out of earshot
out of employ
out of fashion
out of favor
out of focus
out of form
out of funds
out of gear
out of hand
out of harm's reach
out of harm's way
out of harness
out of hearing
out of humor
out of it
out of its element
out of joint
out of keeping
out of kelter
out of kilter
out of line
out of line with
out of luck
out of measure
out of order
out of phase
out of pitch
out of place
out of play
out of plumb
out of pocket
out of practice
out of print
out of proportion
out of question
out of range
out of reach
out of repair
out of season
out of shape
out of sight
out of sight out of mind
out of sorts
out of soundings
out of sorts
out of spirits
out of square
out of step
out of stock
out of style
out of sympathy
out of temper
out of the battle
out of the blue
out of the common
out of the habit of
out of the meshes
out of the mind
out of the ordinary
out of the pale
out of the perpendicular
out of the picture
out of the question
out of the running
out of the sphere of
out of the toils
out of the way
out of the woods
out of the world
out of this
out of this world
out of time
out of tone
out of touch
out of training
out of trim
out of true
out of tune
out of tune and harsh
out of turn
out of use
out of whack
out of whole cloth
out of wind
out of work
out of working order
out of your bearings
out of your control
out of your depth
out of your element
out of your hands
out of your head
out of your league
out of your mind
out of your mind with fear
out of your misery
out of your power
out of your reckoning
out of your senses
out of your skull
out of your teens
out of your wits
out on a limb
out on a rail
out on strike
out sister
out the window
out to
out tray
out with
out with it
out-
out-Herod
out-and-out
out-and-out lie
out-and-outer
out-argue
out-ask
out-babble
out-boarder
out-bound
out-bowed
out-brag
out-building
out-burn
out-by
out-cargo
out-clearer
out-clearing
out-college
out-country
out-craft
out-door
out-field
out-fielder
out-group
out-guard
out-herod
out-herod Herod
out-kneed
out-migrant
out-migrate
out-migration
out-of
out-of-bounds
out-of-center
out-of-course
out-of-date
out-of-dateness
out-of-door
out-of-doors
out-of-fashion
out-of-focus
out-of-hand
out-of-humor
out-of-joint
out-of-line
out-of-office
out-of-order
out-of-place
out-of-plumb
out-of-pocket
out-of-print
out-of-reach
out-of-school
out-of-season
out-of-stater
out-of-stock
out-of-the-common
out-of-the-way
out-of-the-world
out-of-town
out-of-towner
out-of-townish
out-of-tune
out-of-tunish
out-of-turn
out-of-vogue
out-office
out-parish
out-patient
out-pension
out-pointed
out-quarter
out-relief
out-room
out-sentry
out-settlement
out-soul
out-station
out-street
out-take
out-throw
out-thrust
out-top
out-travel
out-voter
out-wall
out-worker
out-a sight
out-board cruiser
outboard motor
outboard motorboat
outboard profile
outburst of anger
outburst of laughter
outcast of society
outcrop mine
outdoor theater
outer atmosphere
outer automorphism
outer bar
outer barrister
outer ear
outer face
outer garments
outer jib
outer layer
outer planet
outer product
outer side
outer skin
outer space
outer station
outer-directed
outermost reaches of space
outfit car
outing flannel
outlaw strike
outlet box
outlet plate
outline stitch
outlook over
outlying picket
outpatient clinic
outpost of advancing day
outpost province
output conductance
output current
output data
output indicator
output lag
output measurement
output oscillation
output pulse
output quantity
output resistance
output signal
output transformer
output tube
output voltage
outrigger canoe
outrigger torpedo
outs with
outside broadcast
outside broker
outside caliper
outside chance
outside clinch
outside finish
outside form
outside home
outside hope
outside in
outside jaunting car
outside lap
outside lead
outside left
outside loop
outside market
outside of
outside pickup
outside right
outside roll
outside securities
outside the gates
outside the pale
outside work
outsmart yourself
outstanding accounts
outstanding debt
outstanding feature
outstanding securities
outstretched hand
outstrip the wind
outward appearance
outward show
outward-bound
outward-bounder
outward-facing
outward-flow turbine
ov-
oval chuck
oval compass
oval file
oval kumquat
oval window
oval-arched
oval-berried
oval-bodied
oval-bored
oval-faced
oval-figured
oval-headed
oval-lanceolate
oval-leaved
oval-shaped
oval-truncate
oval-visaged
ovals of Cassini
ovario-
ovate-acuminate
ovate-cordate
ovate-cuneate
ovate-cylindrical
ovate-cylindraceous
ovate-cuneiform
ovate-ellipsoidal
ovate-elliptic
ovate-lanceolate
ovate-leaved
ovate-oblong
ovate-orbicular
ovate-rotundate
ovate-serrate
ovate-serrate
ovate-subulate
ovate-triangular
ovato-
oven builder
oven furnace
oven thermometer
oven tit
oven wood
oven-bake
oven-baked
oven-bird
oven-dried
oven-dry
oven-ready
oven-shaped
over a barrel
over again
over against
over and above
over and over
over and over again
over head and ears
over head and ears in
over head and ears in love
over my dead body
over the board
over the counter
over the hill
over the hills and far away
over the hump
over the side
over the top
over the water
over there
over your head
over-
over-abound
over-age
over-all
over-and-over stitch
over-anxious
over-arm
over-bold
over-capitalize
over-caution
over-cautious
over-confident
over-correct
over-counter
over-credulous
over-curious
over-dear
over-deck
over-delicate
over-develop
over-discharge
over-eager
overearnest
overestimate
overexcite
overexert
overexpose
overfeed
overgear
overgreedy
overhard
overhasty
overindulge
overinform
overissue
overking
overlabor
overliberal
overlip
overlong
overmeasure
overmodest
overnice
overpeople
overpersuade
overplease
overpopulate
overprint
overproduce
overproof
overproportion
overread
overrekon
overrefine
overrent
overriding
overround
overrule
overscrupulous
oversell
overshoe
oversize
oversoul
oversubscribe
oversupply
overthe-counter
overthe-counter drug
overthe-counter market
overthe-counter securities
over-train
over-trouble
over-trust
over-under
over-value
over-weight
over-wet
over-wise
over-zeal
overall length
overbearing pride
overcast stitch
overcome your resistance
overcome yourself
overcorrection of error
overcurrent relay
overdo it
overdose of
overdraft kiln
overdraw your account
overdrawn account
overextend yourself
overflow bug
overflow pipe
overflow with
overflow with energy
overflow with gratitude
overflowing eyes
overhand knot
overhead camshaft
overhead door
overhead lighting
overhead price
overhead railway
overhead-valve engine
overheated economy
overland stage
overlap fault
overlap radar
overlay glass
overload breaker
overload circuit
overload circuit breaker
overload relay
overload starter
overload switch
overlook distinctions
overlook no possibility
overlook nothing
overlooking no possibility
overly permissive
overmonopo-lizing
overnight bag
overnight sensation
overnight telegram
overopenness to conviction
overopenness to persuasion
overplay your hand
overreach yourself
overreact to
overseas bar
overseas cap
overseas operations
overseas telegram
overshoot the field
overshoot the mark
overshot wheel
oversstay the market
overstep the bounds
overstep your bounds
overstep your prerogatives
overstep your rights
overstuffed chair
overt act
overthrow your mind
overthrow your reason
overthrust fault
overtime pay
overture and beginners
overweening pride
overwhelming defeat
ovi-
ovo-
ovo-testis
ovo-viviparous
owala oil
owala tree
owe a grudge
owe it to
owe it to yourself
owe you no thanks
owing to
owl butterfly
owl car
owl fly
owl midge
owl monkey
owl moth
owl parrot
owl swallow
owl's light
owl's-crown
owl-eyed
owl-faced
owl-glass
owl-haunted
owl-headed
owl-light
owl-sighted
owl-wide
owl-winged
owlet moth
owlet nightjar
own accord
own account
own authority
own choice
own correspondent
own discretion
own free will
own hands
own hook
own initiative
own power
own responsibility
own say-so
own sweet way
own up
own volition
own way
own yourself in the wrong
own-form
own-root
own-rooted
owning up
ox antelope
ox ball
ox balm
ox bile
ox bot
ox daisy
ox dance
ox feather
ox fence
ox heart
ox louse
ox rail
ox ray
ox sole
ox team
ox warble
ox-
ox-bird
ox-bow
ox-eye
ox-eyed
ox-eyed arch
ox-foot
ox-harrow
ox-head
ox-headed
ox-horn
ox-stall
ox-tail
ox-tongue
ox-tongue partisan
oxa-
oxal-
oxalic acid
oxalo-
oxbow chest
oxbow front
oxbow lake
oxeye bean
oxeye camomile
oxeye daisy
oxeye molding
oxford cloth
oxford down
oxford movement
oxi-
oxidation number
oxidation potential
oxidation state
oxidation-reduction
oxide blue
oxide brown
oxide purple
oxide red
oxide yellow
oxidizing agent
oxidizing flame
oxime group
oxo process
oxo reaction
oxo-
oxonium compound
oxtail soup
oxter plate
oxy acid
oxy-
oxo-acetylene
oxy-calcium
oxy-salt
oxyacetylene blowpipe
oxyacetylene cutting
oxyacetylene torch
oxyacetylene welder
oxyacetylene welding
oxycalcium light
oxychlor-
oxodiacetic acid
oxygen acid
oxygen effect
oxygen lance
oxygen mask
oxygen ratio
oxygen recorder
oxygen tank
oxygen tent
oxygen therapy
oxygen-acetylene
oxygen-acetylene cutting
oxygen-acetylene welding
oxygen-hydrogen welding
oxyhydrogen blowpipe
oxyhydrogen light
oxyhydrogen microscope
oxyquinoline sulphate
oyer and terminer
oyster agaric
oyster bank
oyster bar
oyster bay
oyster bed
oyster canoe
oyster catcher
oyster crab
oyster cracker
oyster culture
oyster dredge
oyster drill
oyster farmer
oyster fork
oyster fungus
oyster grass
oyster gray
oyster knife
oyster mine
oyster mushroom
oyster park
oyster pink
oyster plant
oyster plover
oyster rake
oyster rock
oyster scale
oyster schooner
oyster scow
oyster shell
oyster sloop
oyster stew
oyster tongs
oyster tree
oyster white
oyster-catcher
oyster-culturist
oyster-shaped
oyster-shell bark louse
oyster-shell scale
oysters in the half shell
oysters on the half shell
oystershell scale
oz ap
oz av
oz t
ozaena-
ozon-
ozone layer
ozone paper
ozonic ether
p & p
p's and q's
p-n junction
p-type
p/e ratio
pF
pH
pH meter
pW
pa system
paca-rana
pace egg
pace off
pachy-
pacific time
pack a punch
pack animal
pack away
pack bearer
pack carrier
pack drill
pack driver
pack duck
pack hoister
pack horse
pack ice
pack in
pack mule
pack needle
pack of cigarettes
pack of dogs
pack of lies
pack of nonsense
pack of troubles
pack off
pack on
pack on sail
pack puller
pack rat
pack road
pack rolling
pack sack
pack sheet
pack tent
pack the deal
pack train
pack twine
pack up
pack wall
pack-bearing
pack-horse
pack-laden
pack-needle
pack-saddle
package advertising
paille finne
pain in the ass
pain in the neck
pain killer
pain pill
pain spot
pain-afflicted
pain-assuaging
pain-bearing
pain-bought
pain-chastened
pain-dispelling
pain-distorted
pain-drawn
pain-fearing
pain-free
pain-giving
pain-inflicting
pain-killer
pain-killing
pain-producing
pain-racked
pain-stricken
pain-worn
pain-wrought
pain-wrung
pains and punishments
painstakingly match
paint a picture
paint binder
paint bridge
paint brusher
paint cleaner
paint drier
paint finish
paint frame
paint grinder
paint horse
paint hose
paint in bright colors
paint in glowing colors
paint in its true colors
paint keg
paint locker
paint mixer
paint pony
paint pot
paint pretty pictures of
paint primer
paint process
paint remover
paint roller
paint room
paint strake
paint the lily
paint the town red
paint thinner
paint work
paint yourself into a corner
paint-beplasterered
paint-filler
paint-filling
paint-mixing
paint-removing
paint-splashed
paint-spotted
paint-spraying
paint-stained
paint-washing
paint-worn
painted beauty
painted bunting
painted cup
painted grass
painted greenling
painted lady
painted pony
painted snipe
painted tongue
painted trillium
painted turtle
painted woman
painter etcher
painter etching
painter graver
painter graving
painter stainer
painter's colic
painter's cream
painter-stainer
painting with the gift of speech
pair annihilation
pair case
pair of bellows
pair of binoculars
pair of compasses
pair of glasses
pair of pincers
pair of scales
pair of scissors
pair of spectacles
pair of suspenders
pair of tongs
pair of trousers
pair of tweezers
pair of twins
pair of virginals
pair of winks
pair off
pair production
pair royal
pair-horse
pair-oar
pair-oared
pair-royal
paired with
paisley print
pajama party
pak-choi
pak-choi cabbage
pak-chois
pakpak-lauin
pal around with
pal up
pal up with
pal with
palace car
palace court
palace guard
palace revolution
palaeo-
palais de danse
palais glide
palas kino
palate bone
palatial residence
palatine tonsil
palato-
pale as a corpse
pale as a forpined ghost
pale as a ghost
pale as death
pale as his shirt
pale bark
pale blue chip
pale brandy
pale broomrape
pale catechu
pale color
pale corydalis
pale elder
pale horse
pale laurel
pale rider
pale-
pale-blooded
pale-blue
pale-bright
pale-cheeked
pale-colored
pale-complexioned
pale-dried
pale-eared
pale-eyed
pale-face
pale-faced
pale-gray
pale-green
pale-hued
pale-leaved
pale-livered
pale-looking
pale-red
pale-reddish
pale-refined
pale-souled
pale-spirited
pale-spotted
pale-striped
pale-tinted
pale-visaged
pale-yellow
paleo-
paleolithic man
paleontological geology
pales weevil
palette knife
paling board
palisade cell
palisade crown
palisade parenchyma
palisade worm
palm leaf
palm lily
palm marten
palm nut
palm off
palm off on
palm oil
palm on
palm peach
palm play
palm reader
palm squirrel
palm starch
palm stay
palm sugar
palm sunday
palm swift
palm upon
palm vaulting
palm warbler
palm wax
palm weevil
palm willow
palm wine
palm worm
palm-bearing
palm-crowned
palm-fringed
palm-kernel oil
palm-leaf fan
palm-leaf hat
palm-leaved grass
palm-oil
palm-oil chop
palm-reading
palm-shaded
palm-shaped
palm-thatched
palm-tree
palm-veined
palma christi
palma samandoca
palmarosa oil
palmati-
palmella stage
palmer fly
palmer tree
palmer trout
palmer worm
palmer-worm
palmetto barrens
palmetto flag
palmetto green
palmetto scrub
palmi-
palmitic acid
palmy days
palmyra wood
palo blanco
palolo worm
palpebral fissure
palpitation of the heart
palsy-quaking
palsy-shaken
palsy-shaking
palsy-sick
palsy-stricken
palsy-struck
palsy-walsy
paltry affair
paludal fever
paludi-
paly-bendy
pam head
pampas cat
pampas deer
pampas formation
pampas fox
pampas grass
pampas-grass
pamper yourself
pampered darling
pan amalgamation
pan american day
pan boiler
pan bolt
pan broiler
pan conveyer
pan fish
pan for gold
pan grave
pan gravy
pan head
pan ice
pan out
pan shot
pan supari
pan-
pan-Latin
pan-Saxon
pan-american
pan-americanism
pan-anglican
pan-broil
pan-broiled
pan-broiling
pan-fired
pan-fried
pan-fry
pan-frying
pan-headed
pan-leaf
pan-loaf
pan-pipe
pan-sexualism
pan-shaped
pancake bell
pancake engine
pancake ice
pancake landing
pancake plant
panchen lama
panchromatic film
pancreas ptyalin
pancreat-
pancreatic digestion
pancreatic duct
pancreatic fibrosis
pancreatic juice
pancuronium bromide
panda car
pandemic disease
pander to
pandora shell
panel beater
panel bed
panel board
panel body
panel den
panel discussion
panel heating
panel house
panel length
panel lighting
panel patch
panel photograph
panel pin
panel plane
panel point
panel saw
panel show
panel strip
panel switching
panel system
panel thief
panel truck
panel van
panel wall
panel wheel
pangs of conscience
panic bar
panic bent
panic bolt
panic fear
panic grass
panic party
panic terror
panic-driven
panic-pale
panic-prone
panic-proof
panic-stricken
panic-strike
panic-struck
panic-stunned
panne velvet
pannier pack
pannikin boss
panoramic radar
panoramic shot
panoramic sight
panoramic telescope
pansy orchid
pansy purple
pansy violet
pansy-colored
pansy-growing
pansy-purple
pansy-violet
pansy-yellow
pant after
pant for
pant suit
pant-
panta-
pantechnicon van
panther cat
panther cowrie
panther lily
panther piss
pantie girdle
pantile lath
pantile roof
panting stringer
panto-
pantograph snaffle
pantograph trolley
pantomime dame
pantothenic acid
pants suit
panty girdle
panty hose
panty-hose
panzer division
panzer warfare
papa rock
papal brief
papal cross
papal infallibility
papanicolaou test
papaw family
paper baler
paper birch
paper blockade
paper book
paper boy
paper bush
paper carrier
paper chase
paper chaser
paper chromatography
paper clip
paper cloth
paper coal
paper colorer
paper credit
paper cutter
paper doll
paper dolls
paper flower
paper-baling
paper-bound
paper-capped
paper-chasing
paper-clothed
paper-coated
paper-coating
paper-collared
paper-covered
paper-cutter
paper-cutting
paper-drilling
paper-embossing
paper-faced
paper-filled
paper-folding
paper-footed
paper-hangings
paper-lined
paper-mended
paper-palisaded
paper-paneled
paper-patched
paper-saving
paper-selling
paper-shell
paper-shelled
paper-shuttered
paper-slitting
paper-sparing
paper-stainer
paper-stamping
paper-testing
paper-thick
paper-thin
paper-using
paper-varnishing
paper-waxing
paper-white
paper-whiteness
paper-windowed
paperbark maple
papery-skinned
papier coll
papier colle
papier mache
papier-mache
papier-mch
papoose board
papoose-root
paprika sauce
papular rash
papulo-
papyro-
papyrus capital
papyrus column
par avance
par avion
par bond
par collection
par cour
par excellence
par exemple
par parenthese
par value
par-
par-three
para red
para rubber
para-
para-agglutinin
para-aminobenzoic acid
para-aminophenol
para-analgesia
para-anesthesia
para-appendicitis
para-cymene
para-nitrophenol
para-phenetidine
para-rescue
para-ski
para-toluidine
parabolic aerial
parabolic antenna
parabolic reflector
parabolic-reflector microphone
parachute approach
parachute badge
parachute brake
parachute drogue
parachute flare
parachute jump
parachute jumper
parachute light
parachute light ball
parachute rigger
parachute spinnaker
parachute troops
paracoto bark
parade armor
parade bed
parade ground
parade rest
parade your wares
paradental pyorrhea
paradigm case
paradise apple
paradise bird
paradise duck
paradise finch
paradise fish
paradise flower
paradise flycatcher
paradise gallery
paradise grackle
paradise green
paradise grosbeak
paradise nut
paradise plant
paradise seed
paradise stock
paradise tree
paradox gun
paradoxical sleep
paraffin distillate
paraffin hydrocarbon
paraffin oil
paraffin paper
paraffin scale
paraffin series
paraffin wax
paraffin xylol
paraffin-base
paraffin-base oil
paraglyph printing
paragonite schist
parainfluenza virus
paralinguistic communication
parallel axiom
parallel bar
parallel bars
parallel column
parallel cousin
parallel cousin marriage
parasitic drag
parasitic plant
parasitic suppressor
parasitic vowel
parasol ant
parasol fern
parasol mushroom
parasol pine
parasol skirt
parasol wing
parasol-shaped
parasympathetic nervous system
parathyroid extract
parathyroid gland
parathyroid hormone
parathyroid tetany
paratoid gland
paratroop tactics
paratrooper boots
paratyphoid bacillus
paratyphoid fever
parce que
parcel carrier
parcel checker
parcel delivery
parcel gilding
parcel of land
parcel out
parcel paper
parcel post
parcel-blind
parcel-carrying
parcel-deaf
parcel-divine
parcel-drunk
parcel-gilder
parcel-gilding
parcel-gilt
parcel-guilty
parcel-learned
parcel-mad
parcel-packing
parcel-plate
parcel-popish
parcel-post stamp
parcel-stupid
parcel-terrestrial
parcel-tying
parchment bark
parchment lace
parchment paper
parchment worm
parchment-colored
parchment-covered
parchment-faced
parchment-maker
parchment-skinned
parchment-spread
pardon bowl
pardon chair
pardon me
pardon screen
pardonable pride
pare down expenses
pareira brava
parent company
parent complex
parent compound
parent element
parent fixation
parent language
parent metal
parent-in-law
parental generation
parental home
parental love
parental school
parenthetical remark
parfait amour
parhelia cal ring
parhelic circle
parhelic ring
pari passu
pari-
pari-mutuel
pari-mutuel machine
pariah dog
pariah kite
parian ware
parietal bone
parietal cell
parietal eye
parietal lobe
parieto-
parieto-occipital
parimutuel machine
paring chisel
paring down
paring gouge
paring knife
paris green
parish church
parish clerk
parish council
parish house
parish meeting
parish priest
parish records
parish register
parish rolls
parish school
parish top
parish-pump
parish-rigged
parity bit
parity check
park flower
park forest
park green
park in space
park of artillery
park savanna
parkin baker
parking brake
parking disc
parking light
parking lot
parking meter
parking orbit
parking ramp
parking ticket
parkinson's disease
parl proc
parlatoria scale
parliament cake
parliament heel
parliament hinge
parliament house
parliament man
parliamentary agent
parliamentary government
parliamentary law
parliamentary private secretary
parliamentary secretary
parliamentary train
parlor Bolshevik
parlor boarder
parlor car
parlor grand
parlor house
parlor pink
parlour car
parlour game
parlous straits
parochial church council
parochial council
parochial school
parol arrest
parol contract
parole femne
parole law
paroquet auklet
paroquet bur
parotid duct
parotid gland
paroxysmal tachycardia
parquet circle
parquet floor
parrel truck
parrot bullfinch
parrot cry
parrot disease
parrot fever
parrot fish
parrot green
parrot mouth
parrot's-bill
parrot's-feather
parrot-beak
parrot-beaked
parrot-billed
parrot-coal
parrot-fashion
parrot-fish
parrot-gray
parrot-learned
parrot-mouthed
parrot-nosed
parrot-red
parrot-toed
pars intermedia
parsley bed
parsley crown
parsley fern
parsley pie
parsley piert
parsley wreath
parsley-flavored
parsley-leaved
parsnip wine
parson bird
parson's nose
parson-bird
part and parcel
part by part
part company
part exchange
part from
part gate
part music
part of speech
part of writing
part owner
part singing
part song
part time
part with
part work
part-created
part-done
part-earned
part-finished
part-heard
part-off
part-opened
part-owner
part-score
part-song
part-time
part-time worker
part-timer
part-writing
partake in
partake of
partake of the Lord's Supper
parted and fretty
parted from
parted per tierce
parterre box
parterre boxes
parti pris
parti-
parti-color
parti-colored
parti-coloured
parti-decorated
parti-mortgage
parti-named
parti-striped
partial amnesia
partial blindness
partial darkness
partial denture
partial derivative
partial differential
partial differential equation
partial eclipse
partial fraction
partial fractions
partial hold deck
partial ordering
partial pressure
partial product
partial score
partial sum
partial to
partial tone
partial vacuum
partially ordered
partially ordered set
particeps criminis
participant observation
participant observer
participate in
participating bond
participating insurance
participating mortgage
participating preferred
participating preferred stock
participatory democracy
particle accelerator
particle counter
particle of difference
particle physics
particle separation
particle velocity
particular affirmative
particular average
particular choice
particular estate
particular lien
particular negative
particular quantifier
particular solution
particulate inheritance
parties litigant
partin of wood
parting bead
parting chisel
parting cup
parting gate
parting of the ways
parting shard
parting shot
parting strip
parting tool
parting words
partisan election
partisan politics
partisan spirit
partition bulkhead
partition law
partition line
partner in crime
partner plate
partnered with
partners with
partners’ desk
partridge cane
partridge dove
partridge pea
partridge pigeon
partridge-berry
partridge-wood
parts list
parts of
parts of ships
party boss
party chairman
party chieftain
party circle
party doctrine
party dress
party emblem
party faithful
party girl
party hack
party in power
party leader
party line
party liner
party machine
party man
party member
party per fess
party per tierce
party philosophy
party platform
party politics
party pooper
party principle
party spirit
party to a suit
party wall
party wheelhorse
party whip
party wire
party-colored
party-column ballot
party-giving
party-making
party-man
party-political
party-spirited
party-wall
party-walled
party-zealous
parula blue
parula warbler
parvi-
pas d'action
pas de basque
pas de chat
pas de cheval
pas de deux
pas de trois
pas du tout
pas seul
pasch egg
pasch-egg
paschal candle
paschal controversy
paschal flower
paschal lamb
paschal letter
paso doble
pasque-flower
pass all bounds
pass along
pass an opinion
pass and repass
pass around
pass as
pass away
pass band
pass belief
pass boat
pass box
pass by
pass by in silence
pass check
pass comprehension
pass counterfeit money
pass course
pass current
pass degree
pass door
pass for
pass from mouth to mouth
pass holder
pass in review
pass in the dark
pass in the mind
pass in the thoughts
pass in your checks
pass in your chips
pass into
pass into your hands
pass judgment
pass key
pass law
pass master
pass muster
pass off
pass off on
pass on
pass out
pass out cold
pass out of sight
pass out of the picture
pass over
pass over Jordan
pass over lightly
pass point
pass sentence
pass sentence on
pass the Rubicon
pass the buck
pass the eyes over
pass the fingers over
pass the hat
pass the queer
pass the time
pass the time of day
pass through
pass through your head
pass through your mind
pass time
pass to the order of the day
pass under review
pass under the name of
pass understanding
pass up
pass upon
pass water
pass with flying colors
pass you by
pass your lips
pass your time in
pass your word
pass-
pass-book
pass-by
pass-bye
pass-guard
pass-key
pass-man
pass-out
passage at arms
passage bed
passage bird
passage board
passage boat
passage d'arms
passage grave
passage hawk
passage money
passage of arms
passage of time
passage penny
passing strange
passing the buck
passing through
passing up
passing word
passing-note
passion cross
passion flower
passion fruit
passion nail
passion play
passion sunday
passion week
passion-blazing
passion-breathing
passion-colored
passion-distracted
passion-driven
passion-feeding
passion-filled
passion-flower
passion-fraught
passion-frenzied
passion-guided
passion-kindled
passion-kindling
passion-led
passion-proud
passion-ridden
passion-shaken
passion-smitten
passion-stirred
passion-stung
passion-swayed
passion-thrilled
passion-thrilling
passion-torn
passion-tossed
passion-wasted
passion-winged
passion-worn
passive algolagnia
passive immunity
passive noun
passive obedience
passive reason
passive resistance
passive resister
passive self-annihilation
passive voice
passive-aggressive reaction
passive-dependence reaction
passive-minded
passy-measures
past and gone
past bearing
past comprehension
past danger
past dispute
past due
past expectation
past experience
past history
past hope
past master
past mistress
past one's head
past participle
past perfect
past perfect tense
past praying for
past progressive tense
past recall
past recollection
past tense
past time
past times
past use
past your prime
past-due
past-master
paste grain
paste mold
paste on
paste wash
paste water
paste-egg
paste-up
pastel blue
pastel color
pastel gray
pastel orange
pastel painting
pastel-tinted
pasteur treatment
pasteurized milk
pastor-elect
pastoral care
pastoral counseling
pastoral drama
pastoral elegy
pastoral epistle
pastoral letter
pastoral poet
pastoral poetry
pastoral prayer
pastoral staff
pastoral theology
pastrami sandwich
pastry bag
pastry chef
pastry cook
pastry cream
pastry custard
pastry flour
pastry shell
pastry tube
pasture bird
pasture grass
pasture land
pasture on
pasture rose
pasture thistle
pasty-faced
pasty-footed
pat hand
pat on the back
pat on the cheek
pat on the head
pat pend
pat yourself on the back
pat-a-cake
pat-pat
patch board
patch bolt
patch box
patch pocket
patch test
patch things up
patch together
patch up
patch up a friendship
patch up a quarrel
patch-box
patching plaster
patchouli oil
patchwork quilt
pate d'amande
pate de foie gras
patellar reflex
patent anchor
patent block
patent flour
patent hammer
patent leather
patent light
patent log
patent medicine
patent note
patent office
patent right
patent slip
patent space
patent still
patent-cut jib
pater patratus
paternal ancestor
paternal domicile
paternal love
paternal roof
paternity suit
paternoster line
path of least resistance
path-
pathetic fallacy
patho-
pathologic anatomy
pathological chemistry
pathological condition
pathological drinker
pathological drunkenness
pathological indecisiveness
pathological intoxication
pathological liar
pathological lying
pathological type
patience dock
patience of Job
patience-dock
patient as Job
patient man
patient of
patina green
patio process
patr-
patres conscripti
patri-
patria potestas
patriarchal basilica
patriarchal cross
patriarchate of Alexandria
patriarchate of Antioch
patriarchate of Constantinople
patriarchate of Jerusalem
patriots' day
patristic philosophy
patristic theology
patrol boat
patrol bomber
patrol car
patrol plane
patrol torpedo boat
patrol wagon
patron of drama
patron saint
patronal festival
patronizing attitude
patten maker
patter song
pattern after
pattern bargaining
pattern bombing
pattern box
pattern card
pattern designer
pattern maker
pattern of perfection
pattern reader
pattern wheel
pattern-bomb
pattes de mouche
patty shell
patty-cake
patty-shell
pauci-
paucis verbis
paul bunyan
paulo-post-future
paunch mat
pauper costs
pauper-born
pauper-bred
pauper-breeding
pauper-fed
pauper-feeding
pauper-making
pause for station identification
pauvre diable
pave the way
pave the way to
paved road
pavement ant
pavement artist
pavement epithelium
pavement light
paver of the way
pavilion hospital
pavilion roof
paving brick
paving material
paving roller
paving stone
paving tile
pavor nocturnus
paw print
paw-paw
paw-pawnness
pawed-over
pawl bitt
pawl head
pawl post
pawl rim
pawn ticket
pax in bello
pax tecum
pax vobiscum
pay COD
pay a compliment
pay a visit
pay addresses to
pay after deductions
pay after taxes
pay and allowances
pay as you go
pay at sight
pay attention
pay attention to
pay attentions to
pay back
pay back in full measure
pay bed
pay by installments
pay cash
pay cash down
pay cash on delivery
pay cash on the barrelhead
pay clerk
pay close attention
pay conscience money
pay court to
pay damages
pay dearly
pay dirt
pay divine honors to
pay down
pay envelope
pay exorbitantly
pay for
pay heed
pay heed to
pay homage to
pay honor to
pay in
pay in advance
pay in full
pay in kind
pay load
pay mind to
pay more than it's worth
pay no attention
pay no attention to
pay no mind
pay no regard to
pay off
pay off old scores
pay off the head
pay old debts
pay on
pay one in his own coin
pay out
pay over
pay phone
pay raise
pay regard to
pay reparation
pay reparations
pay respect to
pay roll
pay scot and lot
pay someone back in his own coin
pay spot cash
pay station
pay strict attention
pay suit to
pay the bill
pay the bills
pay the costs
pay the debt of nature
pay the debt to nature
pay the forfeit
pay the penalty
pay the piper
pay the shot
pay through the nose
pay to the tune of
pay too much
pay tribute
pay tribute to
pay up
pay you in your own coin
pay you in your own currency
pay your
pay your addresses to
pay your court to
pay your dues
pay your respects to
pay your share
pay your way
pay-
pay-TV
pay-all
pay-as-you-go
pay-day
pay-off
pay-rent
pay-roller
paying back
paying guest
paying off
paying out
paying the bills
paying up
paymaster general
paymaster-generalship
payment bill
payment in kind
pay no regard to
payroll deduction insurance
payroll padding
pe-tsai cabbage
pea bean
pea beetle
pea blight
pea coal
pea comb
pea crab
pea flower
pea green
pea grit
pea huller
pea in the shoe
pea jacket
pea measle
pea mildew
pea moth
pea ore
pea rifle
pea sheller
pea shrub
pea soup
pea souper
pea tree
pea vetchling
pea vine
pea weevil
pea-brained
pea-chick
pea-coat
pea-combed
pea-flower
pea-flowered
pea-jacket
pea-picking
pea-shoot
pea-sized
pea-soup
pea-soup fog
pea-souper
pea-soupy
pea-tree
peabody bird
peace and quiet
peace be to this house
peace be to you
peace be with you
peace be within thy walls
peace conference
peace dove
peace establishment
peace feelers
peace giver
peace guild
peace lover
peace of God
peace of heart
peace of mind
peace of soul
peace of spirit
peace offensive
peace offer
peace offering
peace officer
peace pipe
peace warrant
peace-abiding
peace-blessed
peace-breathing
peace-bringing
peace-enamored
peace-giving
peace-inspiring
peace-keeping force
peace-loving
peace-lulled
peace-offering
peace-preaching
peace-procuring
peace-restoring
peace-trained
peaceful change
peaceful coexistence
peaceful death
peaceful end
peaceful protest
peaceful sleep
peach aphid
peach bacteriosis
peach bark beetle
peach bell
peach blight
peach blister
peach bloom
peach blossom
peach borer
peach canker
peach color
peach fuzz
peach melba
peach moth
peach red
peach rosette
peach twig borer
peach wine
peach-blossom
peach-blow
peach-colored
peach-kernel oil
peach-leaved
peachblossom pink
peachblossom glass
peachtree borer
peachy-keen
peacock blue
peacock butterfly
peacock fan
peacock green
peacock heron
peacock iris
peacock moth
peacock ore
peacock pheasant
peacock poppy
peacock worm
peacock's feather
peacock's tail
peacock-blue
peacock-feathered
peacock-fish
peacock-flower
peacock-herl
peacock-hued
peacock-spotted
peacock-voiced
peak crest
peak factor
peak load
peak out
peaked cap
peaking circuit
peaky-faced
peal of applause
peal of laughter
peal of thunder
peal ringing
peanut bar
peanut brittle
peanut butter
peanut butter and jelly sandwich
peanut flour
peanut gallery
peanut oil
peanut politician
peanut politics
peanut tube
peanut worm
pear blight
pear blight beetle
pear borer
pear brandy
pear gauge
pear haw
pear midge
pear scale
pear shell
pear slug
pear squash
pear thorn
pear thrips
pear-leaved
pear-shaped
pearl ash
pearl barley
pearl blue
pearl bluish
pearl blush
pearl coating
pearl cotton
pearl danio
pearl diabase
pearl disease
pearl diver
pearl diving
pearl edge
pearl essence
pearl eye
pearl filler
pearl fisher
pearl fishing
pearl grain
pearl gray
pearl grey
pearl harbor
pearl hardening
pearl hen
pearl millet
pearl molding
pearl mussel
pearl oyster
pearl shell
pearl sheller
pearl shelling
pearl sinter
pearl spar
pearl spurry
pearl tapioca
pearl white
pearl-ash
pearl-barley
pearl-bearing
pearl-besprinkled
pearl-bordered
pearl-bush
pearl-coated
pearl-colored
pearl-crowned
pearl-encrusted
pearl-eyed
pearl-fishery
pearl-gemmed
pearl-gray
pearl-handled
pearl-headed
pearl-hued
pearl-like
pearl-lined
pearl-lipped
pearl-oyster
pearl-pale
pearl-pure
pearl-round
pearl-set
pearl-shell
pearl-studded
pearl-teethed
pearl-toothed
pearl-white
pearl-wreathed
pearl-yielding
pearly everlasting
pearly king
pearly nautilus
pearly-white
pearten up
peas in a pod
peasant blue
peasant cunning
peasant holder
peasant proprietor
peasant proprietorship
peasant revolt
peasant sleeve
peasant-born
pease brose
pease cod
pease pudding
peasecod breastplate
peat bank
peat bog
peat coal
peat digger
peat fiber
peat gas
peat hag
peat machine
peat moor
peat moss
peat reek
peat soil
peat spade
peat-roofed
peat-smoked
peau de soie
pebble cast
pebble dash
pebble gravel
pebble grinder
pebble heater
pebble leather
pebble mill
pebble powder
pebble vetch
pebble-covered
pedal pushers
pedal surface
pedal wheel
pedal-pushers
pedately cleft
pedately veined
peda-
peddler's cart
pede cloth
pede window
pedestal box
pedestal mount
pedestal pile
pedestal rock
pedestal table
pedestrian crossing
pedi-
pedigree clause
pedo-
pedunculate oak
pee your pants laughing
pee-pee
peek in
peek-bo
peel end
peel off
peel tower
peeled eye
peele-wally
peeling disease
peen hammer
peen-to
peening rammer
peep frog
peep hawk
peep into the future
peep nap
peep of day
peep out
peep plate
peep show
peep sight
peep-bo
peep-hole
peep-show
peeping tom
peer at
peer group
peer into
peer of the realm
peer out
peers of the realm
peevish person
peg along
peg at
peg away
peg down
peg drum
peg float
peg leg
peg on
peg out
peg pants
peg the market
peg to hang on
peg tooth
peg top
peg-a-lantern
peg-tooth harrow
peg-top
pegged market
pegging awl
peking man
pelagic zone
pelargonic acid
pelargonium oil
pelican crossing
pelican fish
pelican flower
pelican hook
pell mell
pell-mell
pellagra-preventive factor
pellet bow
pellet molding
pellitory bark
pelo-
pelorus card
pelt rot
pelt wool
pelti-
pelting rain
pelvi-
pelvic arch
pelvic fin
pelvic girdle
pembroke table
pen and ink
pen cancellation
pen driver
pen driving
pen feather
pen friend
pen in
pen keeping
pen machine
pen maker
pen mating
pen name
pen nib
pen pal
pen palsy
pen picture
pen point
pen portrait
pen portraiture
pen pot
pen pusher
pen pushing
pen sketch
pen up
pen yan
pen-and-ink
pen-bearing
pen-cancel
pen-clerk
pen-driver
pen-feather
pen-feathered
pen-fish
pen-pusher
pen-shaped
pen-tailed
pen-written
penal code
penal colony
penal institution
penal interest
penal law
penal retribution
penal servitude
penal settlement
penalty area
penalty bench
penalty box
penalty clause
penalty double
penalty envelope
penalty goal
penalty kick
penalty killer
penalty rates
penalty stroke
penang lawyer
penang nut
penang-lawyer
pencil beam
pencil blue
pencil box
pencil case
pencil cedar
pencil compass
pencil diamond
pencil drawing
pencil driver
pencil driving
pencil flower
pencil gate
pencil gating
pencil holder
pencil maker
pencil pusher
pencil pushing
pencil rod
pencil sharpener
pencil sharpening
pencil stone
pencil-beam antenna
pencil-case
pencil-formed
pencil-mark
pencil-shaped
pendant bow
pendant cloud
pendant post
pendant switch
pendant tackle
pendant-shaped
pendant-winding
pendent post
pendente lite
pendulum bob
pendulum clock
pendulum level
pendulum motion
pendulum press
pendulum pump
pendulum watch
pendulum wheel
penetrate into the mind
penetrated with
penetrating eye
penetrating look
penguin duck
penguin grass
peninsula pine
penis envy
penitent form
penitential Psalm
penitential act
penitential exercise
penitentiary book
pennant fish
pennant hoist
pennant-winged
pennati-
penner-up
penni-
penniless man
pennsylvania dutch
penny ante
penny arcade
penny bank
penny black
penny bridal
penny cake
penny dreadful
penny gaff
penny grass
penny hat
penny horrible
penny loaf
penny pies
penny pincher
penny post
penny rent
penny stock
penny stocks
penny tree
penny wedding
penny wheep
penny whistle
penny wisdom
penny-a-line
penny-a-liner
penny-cress
penny-dreadful
penny-farthing
penny-gaff
penny-grass
penny-pinch
penny-pincher
penny-pinching
penny-plain
penny-stone
penny-whistle
penny-wise
penny-wise and pound-foolish
pension off
pensionable age
pensioned off
pensioning off
pent road
pent roof
pent-roof
pent-up
pent-up in the memory
penta-
penta-acetate
pentaerythritol tetranitrate
pentagon dodecahedron
pentagonal dodecahedron
pentane lamp
pentanoic acid
pentatonic scale
penteconta-
penthouse roof
pentobarbitone sodium
pentose nucleic acid
pentose sugar
pentyl acetate
pentyl alcohol
pentyl group
peony dahlia
peony-flowered
people at large
people in general
people of fashion
people's democracy
people's front
people's republic
people's war
people-blinding
people-born
people-devouring
people-king
people-loving
people-pestered
people-pleasing
pep pill
pep rally
pep talk
pep up
pepped up
pepper bush
pepper caster
pepper game
pepper mill
pepper oil
pepper plant
pepper pod
pepper pot
pepper red
pepper sauce
pepper spot
pepper tree
pepper turnip
pepper vine
pepper wheat
pepper-and-salt
pepper-and-salt rope
pepper-box
pepper-castor
pepper-pot
pepper-tree
peppercorn rent
peppered moth
peppermint camphor
peppermint geranium
peppermint gum
peppermint oil
peppermint stringbark
peppermint tree
peptic digestion
peptic ulcer
peptide bond
per an
per annum
per ascensum
per bend
per capita
per caput
per cent
per centum
per chevron
per compound
per contra
per descensum
per diem
per head
per mensem
per mil
per mill
per pais
per pale
per pro
per procuration
per procurationem
per saltire
per saltum
per se
per second per second
per simpliciter
per stirpes
per-
perboric acid
perceived noise decibel
percentage composition
percentage error
percentage tare
perception deafness
perceptual defence
perch pole
perching bird
perchlor-
perchloric acid
perchromic acid
percolate in
percolate into
percussion bullet
percussion cap
percussion drilling
percussion figure
percussion fire
percussion fuse
percussion hammer
percussion instrument
percussion lock
percussion section
percussion stop
percussion table
percussion-proof
percussive welding
peregrine falcon
pereira bark
peremptory challenge
peremptory plea
peremptory refusal
perennial pea
perennial phlox
perennial ryegrass
perennial treatment
perennial-rooted
perfect binding
perfect body
perfect cadence
perfect competition
perfect contrition
perfect flower
perfect fool
perfect game
perfect gas
perfect gentleman
perfect lady
perfect likeness
perfect number
perfect participle
perfect pitch
perfect radiator
perfect ream
perfect rhyme
perfect square
perfect tense
perfect type
perfect usufruct
perfect year
perfecting press
perfecting touch
perfective aspect
perfectly sure
perfector press
perfide Albion
perforated tape
perforated tracery
perforation gauge
perform a
perform a part
perform a part in
perform a rite
perform a role
perform action
perform aerobatics
perform as
perform divine service
perform music
perform on
perform rites
perform service
perform the act of love
perform the duties of
perform the functions of
perform the marriage act
perform the office of
perform your duty
performance test
performing area
performing arts
pergelisol table
peri-
peri-insular
periarteritis nodosa
pericline twinning
peridental membrane
peridot of Ceylon
perigean tide
perigean tides
peril point
peril-laden
perilla oil
perineo-
period of duty
period of existence
period of revolution
period of rotation
period piece
period style
periodic acid
periodic function
periodic law
periodic motion
periodic sentence
periodic system
periodic table
periodic wave
periodical cicada
periodical index
periodicity factor
periodontal membrane
periodontal tissue
periost-
periosteo-edema
peripatetic exercise
peripatetic journey
peripheral device
peripheral field
peripheral nervous system
peripheral neuritis
peripheral speed
peripheral vision
periscopic lens
perish the thought
perish with cold
perishing with hunger
periton-
periwig chair
periwinkle blue
perjure yourself
perjury-proof
perk up
perle cotton
permafrost table
permanent magnet
permanent magnet speaker
permanent magnetism
permanent press
permanent tooth
permanent wave
permanent way
permanent white
permanent yellow
permanent-press fabric
permanganic acid
permeate by nature
permission to enter
permissions editor
permit all
permit anything
permit bond
permonosulfuric acid
permutation lock
pernicious anaemia
pernicious anemia
pernicious weed
perny silkworm
peroxide blond
peroxide-blond
peroxy group
peroxy radical
peroxy-
peroxymonosulfuric acid
peroxysulfuric acid
peroxysulphuric acid
perpend stone
perpend wall
perpendicular distance
perpendicular hand
perpetual adoration
perpetual bond
perpetual calendar
perpetual motion
perplexed question
persecution complex
persian cat
persian lamb
persist in
persistence of vision
persistent cruelty
persistent lactation
person in charge
person of consequence
person of fashion
person of importance
person of note
person of renown
person to be reckoned with
person-to-person
person-to-person call
persona grata
persona non grata
personae gratae
personae non gratae
personal adviser
personal aims
personal ambition
personal appearance
personal choice
personal column
personal conflict
personal correspondence
personal desires
personal effects
personal eq his essays
personal equation
personal file
personal idealism
personal identity
personal initiative
personal judgment
personal letter
personal liberty
personal matter
personal name
personal pronoun
personal property
personal property tax
personal remark
personal responsibility
personal shopper
personal sonar
personal staff
personal style
personal usage
personality bob
personality conflict
personality disintegration
personality disorder
personality disorganization
personality inventory
personality tendency
personality test
personality type
personnel director
personnel manager
persons of the drama
perspiration odor
persuade yourself
persuasion-proof
persulfuric acid
persulphuric acid
pertain to
pertaining to
pertinent to
peruvian bark
pervading attitude
pervading attitudes
perversive fool
perversive personality
perversive-notioned
perversioned image
pest pear
pest-house
pest-ridden
pestilence-proof
pestle and mortar
pestle-shaped
pet cock
pet expression
pet food
pet lamb
pet name
pet peeve
pet subject
pet-cock
petal pink
pete blower
pete man
peter boat
peter gunner
peter out
peter pan
peter's pence
peter-boat
peter-penny
petit bleu
petit bourgeois
petit dejener
petit feu
petit four
petit juror
petit jury
petit larceny
petit mal
petit point
petit serjeanty
petit souper
petit treason
petit-bourgeois
petit-juror
petit-juryman
petit-maître
petit-maitre
petit-maltrre
petit-mattre
petit-negre
petit-noir
petite bourgeoisie
petite marmite
petite noblesse
petite perception
petites perceptions
petitio principii
petition nomination
petition-proof
petits bourgeois
petits fours
petr-
petrarchan sonnet
petri dish
petrified forest
petrified wood
petro-
petro-occipital
petrol engine
petrol station
petroleum asphalt
petroleum benzine
petroleum coke
petroleum engine
petroleum engineer
petroleum engineering
petroleum ether
petroleum grease
petroleum jelly
petroleum naphtha
petroleum spirit
petticoat breeches
petticoat government
petticoat insulator
petticoat narcissus
petticoat pipe
petty bourgeois
petty bourgeoisie
petty canon
petty captain
petty cash
petty cashbook
petty criticism
petty gambler
petty grifter
petty juror
petty jury
petty king
petty larceny
petty mind
petty officer
petty officer first class
petty officer second class
petty officer third class
petty politician
petty politics
petty sessions
petty theft
petty thief
petty treason
petty tyrant
petty-bag
petty-minded
petty-mindedly
petty-mindedness
petulant person
petunia violet
peu de chose
pew chair
pew hinge
pew opener
pew rent
pew rental
pew renter
pewter mill
phaeton butterfly
phago-
phagocytic immunity
phako-
phallic stage
phallic symbol
phallic worship
phallic worshiper
phanero-
phantom acceleration
phantom circuit
phantom larva
phantom limb
phantom minnow
phantom of the mind
phantom orchid
phantom picture
phantom red
phantom tumor
phantom wire
phantom-fair
phantom-white
pharaoh ant
pharmaceutical chemist
pharmaco-
pharmaco-oryctology
pharyng-
pharyngeal cavity
pharyngeal tonsil
pharyngo-
pharyngo-oesophageal
pharyngo-oral
phase adjustment
phase advancer
phase angle
phase contrast microscope
phase control
phase converter
phase difference
phase discriminator
phase in
phase inverter
phase microscope
phase modulation
phase out
phase rule
phase space
phase splitter
phase splitting
phase transformer
phase velocity
phase-contrast
phase-discriminating amplifier
phase-rotation relay
phase-shift microphone
phase-wound
phase-wound rotor motor
phases of the moon
phatic communion
pheasant cuckoo
pheasant duck
pheasant under glass
pheasant's eye
pheasant's-eye
pheasant's-eyes
pheasant-eyed
pheasant-plumed
pheasant-shell
pheasant-tailed
phello-
phen-
phenacyl chloride
phenarsazine chloride
phenethyl alcohol
pheno-
phenobarbital sodium
phenol alcohol
phenol aldehyde
phenol coefficient
phenol red
phenol-phthalein
phenolic resin
phenolic urea
phenomenological psychology
phenomenological theology
phenyl acetate
phenyl alcohol
phenyl cyanide
phenyl ether
phenyl ethyl ether
phenyl group
phenyl iodide
phenyl isocyanate
phenyl mercaptan
phenyl methyl ketone
phenyl salicylate
phenyl valerate
phenylaminoproprionic acid
phenylene blue
phenylene group
phenylethyl alcohol
phenylethylbarbituric acid
phenylformic acid
phenylic acid
phenylmethylcarbinyl acetate
phenylpropyl acetate
phenylpyruvic oligophrenia
phi-meson
phi-phenomenon
phi-phenomenon
phil-
philenor butterfly
philharmonic pitch
philosophical pitch
philosopher king
philosopher's stone
philosopher's wool
philosophers' stone
philosophic composure
philosophic doctrine
philosophic system
philosophic theory
philosophical anthropology
philosophical existentialism
philosophical existentialism
philosophical existentialist
philosophical idealism
philosophical induction
philosophical inquiry
philosophical investigation
philosophical optimism
philosophical optimist
philosophical pitch
philosophical proposition
philosophical speculation
philosophical theology
philosophical unitarianism
philosophico-
philosophy learned from examples
philosophy of being
philosophy of organism
philosophy of signs
philosophy of the Academy
philosophy of the Garden
philosophy of the Lyceum
philosophy of the Porch
philosophy of the Stoa
phleb-
phlebo-
phloem fiber
phloem necrosis
phloem parenchyma
phloem ray
phloro-
phobic reaction
phoebe bird
phoenix fowl
phon-
phone book
phone call
phone number
phone-in
phonemic alphabet
phonetic alphabet
phonetic character
phonetic law
phonetic spelling
phonetic symbol
phono-
phonograph record
phony disease
phony dividend
phony money
phony peach
phony war
phoo-phoo
phos-
phosph-
phosphate rock
phosphine oxide
phospho-
phosphonium iodide
phosphor bronze
phosphor copper
phosphoric acid
phosphoric anhydride
phosphor-
phosphorous acid
phosphorous anhy-dride
phosphorus chloride
phosphorus disease
phosphorus necrosis
phosphorus oxide
phosphorus oxychloride
phosphorus pentachloride
phosphorus pentoxide
phosphorus sesquisulfide
phosphorus sulphide
phosphorus trichloride
phosphoryl chloride
phosphoryl group
phosphoryl radical
phossy jaw
phot-
phote finish
photo base
photo finish
photo layout
photo relief
photo spread
photo-
photo-electric
photo-engraving
photo-finish
photo-galvanography
photo-mount
photo-offset
photo-reconnaissance
photo-reconnaissance plane
photo-retouch
photo-set
photo-setting
photochemical process
photoconductor cell
photoelectric cathode
photoelectric cell
photoelectric cell meter
photoelectric cells
photoelectric colorimeter
photoelectric counter
photoelectric current
photoelectric detector
photoelectric device
photoelectric effect
photoelectric emission
photoelectric image converter
photoelectric inspection machine
photoelectric intrusion detector
photoelectric meter
photoelectric multiplier tube
photoelectric photometer
photoelectric pickup
photoelectric pinhole detector
photoelectric recorder
photoelectric sorter
photoelectric threshold
photoelectric timer
photoelectric tube
photoelectric tubes and cells
photoflash bulb
photoflash lamp
photoflash photography
photoflash synchronizer
photoflood lamp
photogelatin process
photograph album
photographer's model
photographic equipment
photographic magnitude
photographic memory
photographic paper
photographic realism
photographic reproduction
photographic telescope
photomicrographic camera
photomultiplier tube
photosensitive device
photosensitive devices
photosensitive glass
photostatic copy
phototypesetting machine
photovoltaic cell
photovoltaic effect
phrasal idiom
phrasal verb
phrase book
phrase mark
phrase marker
phrase structure
phrase-structure grammar
phrase-structure rule
phren-
phreno-
phthalic acid
phthalic anhydride
phthalocyanine blue
phthalocyanine green
phyco-
phyl-
phyll-
phylo-
phylo-
physi-
physic nut
physic-nut
physical anthropology
physical body
physical charm
physical checkup
physical chemistry
physical condition
physical culture
physical culturist
physical dependence
physical diagnosis
physical double star
physical education
physical examination
physical fitness
physical force
physical geography
physical geology
physical jerks
physical love
physical map
physical medicine
physical metallurgy
physical meteorology
physical optics
physical pendulum
physical pleasure
physical presence
physical science
physical sensibility
physical suffering
physical therapist
physical therapy
physical unfeeling
physical world
physician in ordinary
physico-
physico-theology
physio-
physiographic geology
physiologic epilepsy
physiological atmosphere
physiological botany
physiological chemistry
physiological individual
physiological phonetics
physiological psychology
physiological saline
physiological salt soluti
physiological salt solution
physiologically addictive
pho-
phyt-
phytic acid
phyto-
phytogenic infection
pi a form
pi meson
pi-jaw
pi-meson
pia mater
pia-arachnitis
pia-arachnoid
pia-matral
piacular offering
piano accordion
piano action
piano deal
piano duet
piano keys
piano lamp
piano nobile
piano organ
piano player
piano player roll
piano quartet
piano quintet
piano roll
piano score
piano stool
piano subito
piano trio
piano wire
piano-organ
piano-player roll
piano-violin
pica em
picaresque novel
picayune critic
piccolopasso red
pick a bone with
pick a hole
pick a quarrel
pick and choose
pick apart
pick at
pick clean
pick clock
pick dressing
pick eye
pick glass
pick hammer
pick holes
pick nits
pick off
pick on
pick out
pick over
pick rake
pick the bones of
pick the brains of
pick the lock
pick to pieces
pick tongs
pick up
pick up an acquaintance with
pick up information
pick up speed
pick up the check
pick up the mooring
pick up the tab
pick your brains
pick your pockets
pick your steps
pick your way
pick-
pick-a-back
pick-bearing
pick-me-up
pick-nosed
pick-off
pick-up
pick-up arm
pick-up sticks
pick-up-sticks
pickaback plane
pickax team
picke-devant
picked dogfish
picked on
picked up
picked-hatch
picker-up
pickerel frog
pickerel-weed
picket fence
picket fort
picket guard
picket line
picket patrol plane
picket pin
picket ship
picket tail
picking and choosing
picking out
picking up
picking up the check
picking up the tab
pickle grass
pickle green
pickle moth
pickle-cured
pickle-herring
pickup arm
pickup camera
pickup current
pickup service
pickup tube
pickup unit man
picnic basket
picnic ham
picnic races
picnic shoulder
pico-
picot edge
picot stitch
pier-
picramic acid
picric acid
picro-
pictographic character
pictographic symbol
picture book
picture bride
picture card
picture cards
picture carrier
picture channel
picture control
picture detector
picture frame
picture gallery
picture hat
picture hook
picture house
picture in your mind
picture layout
picture marriage
picture mirror
picture mold
picture molding
picture monitor
picture noise
picture of health
picture ore
picture palace
picture plane
picture play
picture playwright
picture post card
picture postcard
picture rail
picture sash
picture shifts
picture show
picture spread
picture to yourself
picture tube
picture tubes
picture window
picture wire
picture writing
picture, the
picture-borrowing
picture-broidered
picture-buying
picture-dealing
picture-hanging
picture-hung
picture-painting
picture-pasted
picture-seeking
picture-taking
picture-writing
pictures, the
piddling few
piddling number
pidgin English
pie baker
pie board
pie chart
pie dish
pie eater
pie filler
pie filling
pie in the sky
pie knife
pie maker
pie making
pie meat
pie piece
pie plate
pie rack
pie tin
pie vendor
pie wagon
pie wool
pie-baking
pie-eater
pie-eyed
pie-faced
pie-gow
pie-stuffed
piebald skin
piece accent
piece bien faite
piece brace
piece broker
piece by piece
piece de resistance
piece goods
piece justificative
piece mold
piece of advice
piece of ass
piece of cake
piece of eight
piece of evidence
piece of exchange
piece of gold
piece of good luck
piece of gossip
piece of guesswork
piece of land
piece of meat
piece of money
piece of news
piece of sharp practice
piece of silver
piece of virtu
piece of work
piece of writing
piece of your mind
piece out
piece price
piece price system
piece rate
piece together
piece wage
piece-dye
piece-dyed
piecing together
piecrust table
pied blackbird
pied goose
pied noir
pied wagtail
pied-
pied-a-terre
pied-billed
pied-billed grebe
pied-coated
pied-colored
pied-de-biche
pied-faced
pied-piping
pied-winged
piedmont glacier
pieds de cochon
pien check
pier arch
pier buttress
pier dam
pier glass
pier table
pier-head
pierce the ears
pierce the heart
pierce to the depths
pierced dollar
piercing eye
piercing look
piercing pain
piercing wind
pierian spring
pierre-perdu
pierrot show
piezo oscillator
piezo resonator
piezo-
piezoelectric crystal
piezoelectric effect
piezoelectric microphone
piff-paff
pig Latin
pig bed
pig boiling
pig breaker
pig cart
pig dealer
pig deer
pig hutch
pig in a poke
pig in clover
pig iron
pig lead
pig man
pig metal
pig tub
pig typhoid
pig wife
pig yoke
pig’s ear
pig’s wash
pig-back
pig-backed
pig-bed
pig-bellied
pig-breeding
pig-bribed
pig-chested
pig-dealing
pig-driving
pig-eating
pig-eyed
pig-faced
pig-farming
pig-fat
pig-footed
pig-haired
pig-haunted
pig-headed
pig-iron
pig-jaw
pig-jawed
pig-jump
pig-jumper
pig-keeping
pig-metal
pig-nut
pig-proof
pig-tailed
pig-tight
pigeon English
pigeon blood
pigeon breast
pigeon clock
pigeon flyer
pigeon grape
pigeon grass
pigeon hawk
pigeon hole
pigeon house
pigeon loft
pigeon pea
pigeon post
pigeon pox
pigeon timer
pigeon's milk
pigeon's-neck
pigeon-berry
pigeon-breast
pigeon-breasted
pigeon-breastedness
pigeon-hawk
pigeon-hearted
pigeon-hole
pigeon-house
pigeon-livered
pigeon-pea
pigeon-plum
pigeon-tailed
pigeon-toe
pigeon-toed
pigeon-wood
piggy bank
piggy-wiggy
piggyback car
piggyback control
piggyback rocket
pigment cell
pignus judiciale
pignus legale
pigs in blankets
pigs' feet
pigs' knuckles
pigsty bulwark
pigtail hook
pikaba hemp
pike hammer
pike perch
pike pole
pike sauce
pike squirrel
pike whale
pike-eyed
pike-gray
pike-snouted
pike-dogfish
pil-
pilaster mass
pilaster strip
pile Pelion on Ossa
pile bent
pile bridge
pile builder
pile building
pile cap
pile drawer
pile drive
pile driver
pile dweller
pile dwelling
pile fender
pile hammer
pile house
pile in
pile it on
pile on
pile out
pile shoe
pile up
pile weave
pile weaving
pile wire
pile-built
pile-driven
pile-driver
pile-driving
pile-woven
pileated woodpecker
pilferage hazard
pilgrim bottle
pilgrim brown
pilgrim ring
pilgrim scallop
pilgrim's bottle
pilgrim's staff
pilgrimage psalm
pili nut
piling strip
pill bug
pill pipe
pill slab
pill tile
pill wood louse
pill, the
pill-boasting
pill-box
pill-dispensing
pill-gilding
pill-rolling
pill-shaped
pill-taking
pillar block
pillar bolt
pillar box
pillar crane
pillar cult
pillar dollar
pillar file
pillar lip
pillar mount
pillar of society
pillar of the church
pillar plate
pillar post
pillar saint
pillar stone
pillar-and-breast
pillar-box
pillar-shaped
pillow block
pillow fight
pillow lace
pillow lava
pillow sham
pillow slip
pillow sword
pillow word
pillow-case
pillow-shaped
pilo-
pilose bent grass
pilot balloon
pilot bird
pilot biscuit
pilot boat
pilot bread
pilot burner
pilot cell
pilot chart
pilot chute
pilot cloth
pilot driver
pilot engine
pilot film
pilot fish
pilot flag
pilot flame
pilot house
pilot jack
pilot jacket
pilot ladder
pilot lamp
pilot light
pilot method
pilot model
pilot motor
pilot nut
pilot officer
pilot pin
pilot plan
pilot plane
pilot plant
pilot plow
pilot program
pilot raise
pilot signal
pilot skiff
pilot station
pilot trainee
pilot training
pilot tunnel
pilot valve
pilot waters
pilot whale
pilot wheel
pilot-bird
pilot-boat
pilot-fish
pilotless aircraft
pilsner glass
piltdown man
pima cotton
pimento cheese
pimento grass
pimiento cheese
pimpernel root
pimple copper
pimple metal
pin a medal on
pin basket
pin bit
pin block
pin borer
pin boy
pin bridge
pin buttock
pin cherry
pin clover
pin curl
pin down
pin fallow
pin gear
pin grass
pin horse
pin in
pin knot
pin mark
pin mill
pin money
pin oak
pin on
pin pallet
pin pallet escapement
pin point
pin pool
pin prod
pin rack
pin rail
pin rod
pin seal
pin setter
pin something on someone
pin stripe
pin the tail on the donkey
pin tooth
pin tuck
pin tumbler
pin up
pin valve
pin vise
pin wheel
pin wire
pin wrench
pin your ears back
pin your faith to
pin your hope upon
pin yourself upon
pin-brained
pin-buttocked
pin-curl
pin-eyed
pin-feather
pin-fire
pin-head
pin-hole
pin-lever escapement
pin-money
pin-pallet escapement
pin-prick
pin-spotted
pin-striped
pin-tailed
pin-tailed sand grouse
pin-toed
pin-up
pin-wheel
pin-wing
pina cloth
pinacate bug
pinacone-pinacolin
pinafore dress
pinball machine
pinbone steak
pinc-pinc
pince-nez
pincer movement
pincer-shaped
pincers movement
pincers-shaped
pinch bar
pinch effect
pinch hit
pinch hitter
pinch of snuff
pinch out
pinch pennies
pinch phenomenon
pinch point
pinch runner
pinch running
pinch-
pinch-faced
pinch-hit
pinch-hit for
pinch-hitting
pinch-run
pinch-spotted
pinched with hunger
pinched-in
pinchgut money
pincushion distortion
pincushion-flower
pindo palm
pindova palm
pine away
pine bark
pine bark aphid
pine barren
pine barrens
pine borer
pine bullfinch
pine cone
pine end
pine finch
pine for
pine grass
pine grosbeak
pine marten
pine mouse
pine needle
pine nut
pine oil
pine resins
pine sawfly
pine sawyer
pine siskin
pine snake
pine tag
pine tar
pine tree
pine warbler
pine wool
pine worm
pine-apple
pine-barren
pine-bearing
pine-bordered
pine-built
pine-capped
pine-clad
pine-cone fish
pine-covered
pine-crested
pine-crowned
pine-dotted
pine-encircled
pine-fringed
pine-leaf scale
pine-needle oil
pine-sequestered
pine-shaded
pine-shipping
pine-tar oil
pine-tip moth
pine-tree
pine-tree flag
pine-wood
pineal apparatus
pineal body
pineal eye
pineal gland
pineapple cactus
pineapple disease
pineapple fiber
pineapple fungus
pineapple juice
pineapple oil
pineapple weed
piney dammar
piney tallow
piney woods
pinfall Wrestling
ping pong
ping-pong
pinhole camera
pinhole decay
pinhole pupil
pinion focusing microscope
pink bollworm
pink calla lily
pink champagne
pink coat
pink colors and pigments
pink corydalis
pink disease
pink elephant
pink elephants
pink eye
pink gin
pink grass
pink in
pink lady
pink locust
pink of perfection
pink poplar
pink rhododendron
pink salmon
pink salt
pink slip
pink spiders
pink spray
pink squirrel
pink stern
pink tea
pink vine
pink wine
pink-blossomed
pink-bound
pink-breasted
pink-checked
pink-cheeked
pink-coated
pink-colored
pink-earred
pink-eye
pink-eyed
pink-faced
pink-fleshed
pink-flowered
pink-foot
pink-footed
pink-hi
pink-leaved
pink-lipped
pink-ribbed
pink-shaded
pink-shelled
pink-skinned
pink-sterned
pink-striped
pink-tinted
pink-veined
pink-violet
pink-white
pinking iron
pinking shears
pinkster flower
pinnate-leaved
pinnate-ribbed
pinnate-veined
pinnati-
pinnatifid-lobed
pinned down
pinni-
pinning down
pinochle rummy
pinon grass
pinon pine
pinpoint bombing
pinpoint precision
pins and needles
pint pot
pint-pot
pint-size
pint-sized
pintado petrel
pintle boss
pintle chain
pintle hook
pinto bean
pintsch gas
pinup girl
pinwheel roll
pinxter flower
pinxter flower
pioneer day
pioneer tunnel
pious fiction
pious fraud
pip card
pip emma
pip, the
pip-pip
pip-squeak
pipe amygdules
pipe batten
pipe beetle
pipe berth
pipe binder
pipe bomb
pipe box
pipe clay
die cleaner
coupling
cutter
die
down
dream
dreamer
dreaming
fitter
fitting
founder
isinglass
line
major
maker
metal
of peace
off
organ
rack
roll
stop
thimble
thread
threader
tongs
tool
up
up a song
vine
welder
wrench
your eye
bending
boring
caulking
clay
clayey
clayish
cleaning
cutting
drawn
dream
dreaming
drilling
fish
joint cement
pipe-layer
pipe-line
pipe-necked
pipe-playing
pipe-puffed
pipe-roll
pipe-shaped
pipe-smoker
pipe-stone
pipe-tapping
pipe-thawing
pipe-threading
piperonyl alcohol
piperonyl aldehyde
piperonyl butoxide
pipes of Pan
piping cord
piping hot
piping time of peace
piping times
pippin file
pippin-faced
pippin-hearted
piptostegia root
pique your interest
pique yourself
pirate bird
pirate perch
pirate stream
pis aller
pisang wax
pisci-
pish-pash
pismo clam
piss about
piss and vinegar
piss artist
piss away
piss off
piss pot
piss you off
pissed off
pissed-off
pissy-eyed
pistachia galls
pistachio green
pistachio nut
pistacia gall
pistol carbine
pistol fire
pistol grip
pistol plant
pistol shot
pistol-handle knife
pistol-shaped
pistol-whip
pistol-whipping
piston displacement
piston drill
piston engine
piston motion
piston pin
piston plane
piston power
piston pump
piston ring
piston rod
piston spring
piston valve
piston-valve engine
pit against
pit against one another
pit bank
pit boss
pit brink
pit coal
pit craneman
pit dwelling
pit grave
pit hand
pit head
pit house
pit man
pit of Acheron
pit of your stomach
pit prop
pit sample
pit saw
pit sawing
pit sawyer
pit tomb
pit viper
pit-a-pat
pit-black
pit-blackness
pit-coal
pit-eyed
pit-head frame
pit-headed
pit-hole
pit-marked
pit-pat
pit-patter
pit-rotted
pit-specked
pit-working
pita fiber
pita fibre
pita flax
pita floja
pitch accent
pitch and plunge
pitch and toss
pitch apple
pitch black
pitch board
pitch box
pitch camp
pitch chain
pitch chisel
pitch circle
pitch coal
pitch cone
pitch cylinder
pitch discharger
pitch factor
pitch in
pitch indicator
pitch into
pitch kettle
pitch line
pitch on
pitch opal
pitch pine
pitch pipe
pitch point
pitch pot
pitch ratio
pitch shot
pitch speed
pitch surface
pitch upon
pitch your tent
pitch-and-putt
pitch-and-run
pitch-and-run shot
pitch-and-toss
pitch-black
pitch-blackened
pitch-blackness
pitch-blende
pitch-brand
pitch-brown
pitch-colored
pitch-dark
pitch-darkness
pitch-diameter
pitch-faced
pitch-farthing
pitch-lined
pitch-marked
pitch-ore
pitch-pine
pitch-pipe
pitch-stained
pitched battle
pitched roof
pitcher house
pitcher mold
pitcher molding
pitcher plant
pitcher-plant
pitcher-shaped
pitchfork grass
pitching indicator
pitching niblick
pitching piece
pitching tool
pitchy darkness
pith ball
pith hat
pith helmet
pith knot
pithy saying
pitot tube
pitot-static tube
pits, the
pitter-patter
pituitary body
pituitary extract
pituitary gland
pity-bound
pity-moving
pity-worthy
pivotal point
pivot about
pivot bearing
pivot blow
pivot bridge
pivot joint
pivot man
pivot on
pivot pier
pivot span
pivot stand
pivot tooth
pix-jury
pixy ring
pixy stool
pixy-led
pizza pie
place a value on
place after
place against
place an order
place at your disposal
place before
place bill
place brick
place card
place confidence in
place emphasis on
place hitter
place holder
place hunter
place in
place in difficulty
place in office
place in the foreground
place in the sun
place in your way
place isomerism
place itself
place kick
place kicker
place mat
place name
place of arms
place of articulation
place of assignation
place of confinement
place of habitation or resort
place of torment
place of trade
place of vice
place of worship
place open
place out at interest
place parallel to
place reliance in
place reliance on
place seeker
place setting
place side by side
place the blame for
place the blame on
place the responsibility for
place to live
place to your account
place to your credit
place trust in
place under arrest
place under oath
place upon
place upon record
place where you hang your hat
place your feet carefully
place yourself
place-begging
place-brick
place-grabbing
place-holder
place-holding
place-hunter
place-hunting
place-kick
place-kicker
place-loving
place-money
place-name
place-names
place-naming
place-proud
place-seeking
placebo effect
placement examination
placement kick
placement test
placer claim
placer deposit
placer gravel
placer miner
placer mining
placery boom
placid-featured
placid-mannered
placing-out
placita coronae
placket hole
placo-
plagal cadence
plagal mode
plagio-
plagioclase-basalt
plagioclase-granite
plagioclase-porphyrite
plagioclase-porphyry
plagioclase-rhyolite
plague grasshopper
plague mark
plague one
plague spot
plague-beleagured
plague-free
plague-haunted
plague-infected
plague-infested
plague-ridden
plague-smitten
plague-spot
plague-spotted
plague-stricken
plain English
plain Jane
plain aerial
plain as a pikestaff
plain as day
plain as the nose on your face
plain bearing
plain chant
plain chocolate
plain clothes
plain dealer
plain dealing
plain folks
plain knit
plain lap
plain living
plain people
plain rail
plain sail
plain sailing
plain sense
plain sewing
plain song
plain speaking
plain speech
plain style
plain stylist
plain suit
plain text
plain to be seen
plain tripe
plain wanderer
plain weave
plain words
plain-bodied
plain-bred
plain-clothed
plain-clothes man
plain-darn
plain-dressing
plain-edged
plain-faced
plain-featured
plain-garbed
plain-headed
plain-hearted
plain-laid
plain-looking
plain-mannered
plain-pranked
plain-soled
plain-speaking
plain-spoken
plain-spokenly
plain-spokenness
plain-work
plainclothes man
plan ahead
plan expenditures
plan of action
plan on
plan out
plan position indicator
planar process
planching nail
plane angle
plane chart
plane curve
plane figure
plane geometry
plane handlers
plane iron
plane of incidence
plane polarization
plane sailing
plane surveying
plane table
plane tree
plane trigonometry
plane-faced
plane-parallel
plane-polarized
plane-shear
plane-sheer
plane-table
plane-tabler
plane-tree
planer center
planer head
planer knife
planer saw
planer tree
planet differential
planet gear
planet wheel
planet-stricken
planet-struck
planetary colony
planetary electrons
planetary house
planetary mansion
planetary nebula
planetary precession
planetary shell
planetesimal hypothesis
plani-
planing hull
planing machine
planing mill
plank buttress
plank down
plank plating
plank road
plank scraper
plank-shear
plank-sheer
planked steak
plankton net
planktonic algae
planned economy
planned parenthood
planning blight
planning board
planning function
planning hull
plano-
plano-concave
plano-convex
planographic printing
planomilling machine
plant a mine
plant anatomy
plant and animal life
plant beard
plant breeder
plant bug
plant cane
plant cell
plant cutter
plant disease
plant factor
plant families
plant feeder
plant fibrin
plant food
plant formation
plant gapeseed
plant geographer
plant geography
plant hair
plant hemp
plant hormone
plant house
plant insulin
plant kingdom
plant life
plant louse
plant part
plant pathology
plant physiology
plant root
plant seed
plant stem
plant thermal efficiency
plant worship
plant worshiper
plant yourself
plant-animal
plant-cutter
plant-eater
plant-eating
plantain lily
plantain squirrel
plantain tree
plantain-eater
plantain-leaved
plantar ligament
plantar nerves
plantar reflex
plantar veins
plantation acre
plantation rubber
planter's punch
planting stick
plantlike flagellate
plash wheel
plasm-
plasma body
plasma cell
plasma cell leukemia
plasma engine
plasma jet
plasma membrane
plasma substitute
plasma thromboplastic component
plasma torch
plasma transfusion
plasma-jet propulsion
plasmo-
plaster baker
plaster bond
plaster burner
plaster cast
plaster casting
plaster chopper
plaster down
plaster jacket
plaster of Paris
plaster of paris
plaster spreader
plastering trowel
plastic art
plastic bandage
plastic binding
plastic bomb
plastic explosive
plastic flow
plastic glass
plastic operation
plastic paint
plastic person
plastic plate
plastic plywood
plastic surgeon
plastic surgery
plastic tape
plastic wrap
plat du jour
plat-eye
plat-footed
plate armor
plate armour
plate battery
plate beam
plate bender
plate bone
plate calender
plate circuit
plate clutch
plate column
plate conductance
plate coupling
plate culture
plate current
plate cutter
plate cylinder
plate driller
plate engraving
plate fulcrum scale
plate gear
plate girder
plate glass
plate glazing
plate heater
plate horse
plate jig
plate keel
plate machine
plate maker
plate mark
plate modulation
plate money
plate oven
plate pail
plate paper
plate piece
plate press
plate printer
plate proof
plate race
plate rail
plate resistance
plate shop
plate tectonics
plate tower
plate tracery
plate-bending
plate-carrier
plate-collecting
plate-cutting
plate-dog
plate-drilling
plate-glass
plate-glazed
plate-incased
plate-layer
plate-mark
plate-mounting
plate-punching
plate-roll
plate-rolling
plate-scarfing
plate-shaped
plate-shearing
plate-tossing
plated stem
platen press
plates of meat
platform balance
platform car
platform deck
platform elevator
platform frame
platform harvester
platform orator
platform oratory
platform rocker
platform scale
platform speaker
platform speaking
platform spring
platform ticket
platform wagon
platin-
plativa yellow
platinic chloride
platino-
platinocyanic acid
platinoso-
platinum ammine
platinum black
platinum blond
platinum blonde
platinum lamp
platinum metal
platinum paper
platinum process
platinum sponge
platinum thermometer
platinum-blond
platitudeous ponderosity
platiconic love
platoon fire
platoon school
platoon sergeant
platoon system
plats du jour
platted stem
platter-faced
platy-
play God
play Russian roulette
play a bunco game
play a deep game
play a desperate game
play a double game
play a double role
play a joke on
play a lone hand
play a part
play a part in
play a practical joke
play a practical joke upon
play a role
play a role in
play a scene
play a trick on
play a waiting game
play acting
play actor
play actorism
play actress
play against
play agent
play along
play around
play around with
play at
play at cross-purposes
play at dice
play at fast and loose with
play at hide and seek
play back
play backer
play ball
play bopeep
play by ear
play by the rules
play cat and mouse with
play construction
play debt
play dirty pool
play doctor
play down
play drum
play ducks and drakes with
play dumb
play d
play fair
play fast and loose
play fast and loose with
play favorites
play first fiddle
play fixer
play footsie with
play for
play for a sucker
play for time
play games
play group
play havoc with
play hell
play hell with
play hide and seek
play hob
play hob with
play hooky
play into the hands of
play it by ear
play it just right
play it like a master
play jazz
play merry hell with
play mischief with
play music
play of color
play of colors
play of fancy
play of light
play of wit
play off
play on
play on the feelings
play on words
play one false
play opposite
play out
play peekaboo
play pipe
play politics
play possum
play pranks
play right
play safe
play script
play second fiddle
play someone false
play the badger game
play the buffoon
play the deuce
play the deuce with
play the devil
play the devil with
play the drums
play the field
play the fool
play the game
play the hell with
play the hypocrite
play the lead
play the market
play the merry hell with
play the mischief with
play the part of
play the ponies
play the pontiff
play the same broken record
play the same old record
play the same old song
play the same old tune
play the spy
play the violin
play therapy
play to the galleries
play to the gallery
play tricks
play truant
play up
play up to
play upon
play violin
play with
play with fire
play with marked cards
play with yourself
play you off against another
play your cards
play your cards well
play your part
play your proper role
play-act
play-bill
play-book
play-by-play
play-day
play-down
play-judging
play-loving
play-off
play-pretty
play-producing
play-reading
play-back machine
played out
player piano
playful as a kitten
playground ball
playing God
playing area
playing around
playing by ear
playing card
playing cards
playing engagement
playing field
playing lightly over
playing possum
playing suit
playing trick
playing with fire
playing with yourself
plaza de toros
plea bargaining
plead for
plead guilty
plead ignorance
plead with
plead your case
plead your cause
pleasant company
pleasant journey
pleasant reception
pleasant stimulation
pleasant time
pleasant-eyed
pleasant-faced
pleasant-featured
pleasant-looking
pleasant-mannered
pleasant-minded
pleasant-natured
pleasant-sounding
pleasant-spirited
pleasant-spoken
pleasant-tasted
pleasant-tasting
pleasant-tongued
pleasant-voiced
pleasant-witted
please reply
please the crowd
please the nostrils
please yourself
pleased as Punch
pleased with
pleased with a rattle
pleased with yourself
pleasing style
pleasing to the eye
pleasure dome
pleasure dome of Kubla Khan
pleasure garden
pleasure giver
pleasure ground
pleasure lover
pleasure principle
pleasure seeker
pleasure taker
pleasure trip
pleasure-bent
pleasure-bound
pleasure-giving
pleasure-greedy
pleasure-loving
pleasure-pain
pleasure-seeker
pleasure-seeking
pleasure-shunning
pleasure-tempted
pleasure-tired
pleasure-wasted
pleasure-weary
pleasures of the mind
pledge keeper
pledge of secrecy
pledge taker
pledge the health of
pledge your honor
pledge your word
pledge-bound
pledge-free
plein air
plein jeu
plein-air
plein-air school
plein-airist
pleio-
plenary council
plenary indulgence
plenary inspiration
plenipotentiary power
pleno jure
plenty as blackberries
plenty good enough
plenty of notice
plenty to do
plenum system
pleo-
pleroma violet
plesio-
pleur-
pleurisy root
pleuro-
pleuro-peritoneum
pleuro-pneumonia
pleuropneumonia-like organism
pliant-bodied
pliant-necked
plica polonica
plicato-
plight your faith
plight your honor
plight your troth
plighted bride
plighted faith
plighted love
plighted troth
plimsoll mark
plinth block
plinth course
plio-
plisse crepe
plod along
plop down
plot a course
plot line
plot lines
plot of ground
plot of land
plot out
plot survey
plottage increment
plottage value
plotting board
plotting paper
plough back
plough-boy
plough-head
plough-land
plough-monday
plough-staff
plough-tail
ploughman's spikenard
plover egg
plover page
plover quail
plover-billed
plover-page
plow alms
plow anchor
plow back
plow back into
plow drill
plow hand
plow horse
plow iron
plow out
plow paddle
plow press
plow sole
plow steel
plow team
plow the deep
plow tree
plow truck
plow under
plow up
plow-bred
plow-cloven
plow-shaped
plow-torn
plowshare bone
pluck a crow with
pluck by the beard
pluck out
pluck the beard
pluck up
pluck up by the roots
pluck up heart
pluck up your spirits
pluck with someone
pluck-buffet
plug along
plug and feathers
plug at
plug away
plug bib
plug cap
plug casing
plug cock
plug drill
plug frame
plug hat
plug in
plug rod
plug switch
plug the same theme
plug tobacco
plug up
plug-hatted
plug-ugly
plugged up
plum bladder
plum blotch
plum brandy
plum broth
plum curculio
plum duff
plum fir
plum gouger
plum granite
plum grape
plum pocket
plum pudding
plum purple
plum scab
plum thrips
plum tree
plum violet
plum weevil
plum wine
plum yew
plum-blue
plum-brown
plum-cake
plum-colored
plum-duff
plum-green
plum-pie
plum-porridge
plum-purple
plum-shaped
plum-sized
plum-tinted
plum-tree
plumb bob
plumb bond
plumb joint
plumb level
plumb line
plumb rule
plumb the depths
plumb-
plumb-bob
plumb-line
plumb-rule
plumbago blue
plumbago gray
plumbago slate
plumber block
plumber's snake
plumber-block
plumbo-
plumbous oxide
plume feather
plume grass
plume moss
plume moth
plume nutmeg
plume of smoke
plume polypody
plume poppy
plume stick
plume yourself on
plume-crowned
plume-decked
plume-dressed
plume-embroidered
plume-fronted
plume-gay
plume-like
plume-plucked
plume-plucking
plume-soft
plume-striped
plumed tussock grass
plummer block
plummer-block
plummer-block
plummets line
plump as a dumpling
plump as a partridge
plump down
plump fact
plump for
plump in the middle
plump upon
plumy coconut
plunge bath
plunge battery
plunge headlong
plunge in
plunge in water
plunge into
plunge into debt
plunge into difficulties
plunge into dissipation
plunge rod
plunge the world into war
plunge you into despair
plunge you into sorrow
plunged in debt
plunged in grief
plunger bucket
plunger elevator
plunger magnet
plunger piston
plunger pump
plunging fire
plunging neckline
plunk down
plunk down the money
plunk for
plural number
plural system
plural vote
plural voting
pluralistic idealism
pluri-
plus c'est la meme chose
plus ca change
plus fours
plus head
plus lens
plus ou moins
plus sight
plus sign
plus thread
plus-foured
plus-fours
plush copper
plush stitch
plutonic rock
plutonium bomb
plutonium reactor
ply metal
ply rolling
ply the oar
ply upon
ply yarn
ply your trade
plymouth brethren
plymouth cloak
plymouth rock
plywood saw
pn-
pneo-
pneum-
pneumat-
pneumatic clock
pneumatic hammer
pneumatic servo
pneumatic tire
pneumatic trough
pneumatic tyre
pneumatic-tired
pneumatico-
pneumatico-hydraulic
pneumato-
pneumato-hydato-genetic
pneumo-
pneumococcal pneumonia
pneumogastric nerve
pneumonic fever
pneumonic plague
pneumono-
po-faced
poached eggs
poacher tub
poalike fescue grass
pock lymph
pock nook
pock scab
pock-arred
pock-frecken
pock-fretten
pock-marked
pock-pit
pocket battleship
pocket billiards
pocket bird
pocket bladder
pocket book
pocket boom
pocket borough
pocket burner
pocket chisel
pocket chronometer
pocket edition
pocket fiddle
pocket flap
pocket flask
pocket gopher
pocket lighter
pocket money
pocket mouse
pocket notebook
pocket picking
pocket piece
pocket plum
pocket print
pocket radio
pocket rat
pocket sheriff
pocket the affront
pocket trumpet
pocket veto
pocket watch
pocket-book
pocket-eyed
pocket-handkerchief
pocket-knife
pocket-money
pocket-size
pocket-sized
poco a poco
poco-curante
pod auger
pod borer
pod corn
pod fern
pod gimlet
pod rot
pod shrimp
pod-shaped
poddy-dodger
podo-
podophyllin resin
poe-bird
poecilo-
poet laureate
poet's narcissus
poet-artist
poet-dramatist
poet-farmer
poet-historian
poet-humorist
poet-in-residence
poet-king
poet-laureateship
poet-musician
poet-novelist
poet-painter
poet-patriot
poet-pilgrim
poet-playwright
poet-plowman
poet-preacher
poet-priest
poet-princess
poet-saint
poet-satirist
poet-seer
poet-thinker
poet-warrior
poetic division
poetic genius
poetic image
poetic imagery
poetic imagination
poetic inspiration
poetic justice
poetic kineticist
poetic kinetics
poetic language
poetic licence
poetic license
poetic prose
poetic realism
poetic realist
poetic source
poetic tachism
poetic tachist
poetic works
poetico-
poetico-antiquarian
poetico-architectural
poetico-grotesque
poetico-mystical
poetico-mythological
poetico-philosophic
poetry Muses
poetry image
poetry-proof
poets laureate
pogo stick
pogo-stick
poikilo-
point a moral
point alphabet
point at
point at issue
point bar
point blanket
point boat
point champain
point charge
point chisel
point co-ordinate
point count
point d'Angleterre
point d'appui
point d'esprit
point de Hongrie
point de gaze
point defect
point draftsman
point duchesse
point duty
point fuse
point group
point handle
point hole
point in question
point indirectly to
point lace
point of a pin
point of articulation
point of convergence
point of departure
point of difference
point of etiquette
point of flight
point of honor
point of honour
point of inflection
point of interest
point of land
point of no return
point of order
point of repose
point of sailing
point of the chin
point of time
point of vantage
point of view
point off
point out
point out to
point paper
point rail
point salient
point set
point source
point space
point switch
point system
point tense
point the finger at
point the finger of scorn
point the way
point to
point to be solved
point transformation
point up
point-bearing pile
point-blank
point-blank refusal
point-by-point comparison
point-contact transistor
point-device
point-duty
point-event
point-junction transistor
point-lace
point-laced
point-on
point-particle
point-ring sight
point-set
point-set topology
point-to-point
point-to-point navigation
point-to-point race
pointed arch
pointed fox
pointed projection
pointing bone
pointing chisel
pointing doors
pointing mark
pointing out
pointing to
pointing tool
pointing trowel
points d'appui
points of the compass
poised against one another
poison bean
poison bush
poison dogwood
poison elder
poison gas
poison haw
poison hemlock
poison injector
poison ivy
poison mask
poison oak
poison parsley
poison pen
poison rye grass
poison sumac
poison sumach
poison tobacco
poison-laden
poison-pen
poison-pen letter
poison-pen writer
poison-sprinkled
poison-tainted
poison-tipped
poison-toothed
poisonous plant
poisonous plants
poitrine d'agneau
poitrine de veau
poke along
poke around
poke at
poke bonnet
poke brim
poke check
poke full of holes
poke fun at
poke in
poke into
poke out
poke the fire
poke your nose in
poke your nose into something
poke-bonnet
poke-bonneted
poke-brimmed
poke-cheeked
poke-easy
poke-pudding
poker dice
poker face
poker machine
poker work
poker-faced
poker-work
poky bonnet
polacca rig
polacca-rigged
poland china
polar axis
polar bear
polar body
polar circle
polar coordinate
polar coordinates
polar data
polar distance
polar easterlies
polar equation
polar fox
polar front
polar lights
polar opposites
polar opposition
polar ray
polar seal
polar sequence
polar star
polar valence
polari-
polarity cap
polarity of opinion
polarized-relay armature
polarizing angle
polarizing filter
polarizing microscope
pole bean
pole chain
pole changer
pole compass
pole effect
pole flounder
pole hammer
pole horse
pole jump
pole jumper
pole lathe
pole mast
pole of cold
pole piece
pole pitch
pole plate
pole screen
pole star
pole strap
pole topgallant mast
pole trawl
pole vault
pole vaulter
pole vaulting
pole-armed
pole-axe
pole-dried
pole-jump
pole-masted
pole-shaped
pole-stack
pole-trap
pole-vault
pole-vaulter
poles apart
poles asunder
polewood stage
poli-sci
police action
police alarm
police badge
police band
police baton
police blotter
police boat
police captain
police car
police chief
police club
police commissioner
police constable
police court
police detective
police dog
police force
police headquarters
police inquiry
police inspector
police interrogation
police investigation
police judge
police jury
police justice
police lantern
police lieutenant
police magistrate
police matron
police office
police officer
police power
police reporter
police sergeant
police state
police station
police up
police van
police wagon
police whistle
police-up
policeman bird
policeman's helmet
policemanice station
policy loan
policy maker
policy racket
policy science
policy shop
policy year
policy-holder
polio vaccine
polish off
polish the apple
polish the platter
polish up
polished rice
polissoir wheel
polite act
polite behavior
polite commendation
polite deportment
polite literature
polite society
political activism
political activist
political affairs
political animal
political arithmetic
political ballot
political behavior
political belief
political campaign
political canard
political candidate
political caucus
political commissar
political conservatism
political convention
political corruption
political dabbler
political doubletalk
political economist
political economy
political election
political faith
political front
political geography
political government
political hack
political henchman
political hopeful
political influence
political intrigue
political intriguer
political jargon
political leader
political leadership
political liberty
political machine
political map
political movement
political nomination
political organization
political party
political patronage
political philosophy
political platform
political police
political policy
political principle
political principles
political prisoner
political program
political question
political realist
political referendum
political science
political scientist
political theory
political worker
political-minded
politician-proof
politi-co-
politi-co-arithmetical
politi-co-commercial
politi-co-diplomatic
politi-co-ecclesiastical
politi-co-economical
politi-co-ethical
politi-co-geographical
politi-co-judicial
politi-co-military
politi-co-moral
politi-co-orthodox
politi-co-peripatetic
politi-co-religious
politi-co-sacerdotal
politi-co-scientific
politi-co-social
politi-co-theological
politics with bloodshed
polka dot
polka mazurka
polka-dot
polka-dotted
poll booth
poll degree
poll end
poll evil
poll parrot
poll pick
poll tax
poll watcher
poll-deed
poll-parrot
poll-parroty
pollen analysis
pollen basket
pollen brush
pollen catarrh
pollen chamber
pollen count
pollen mass
pollen plate
pollen sac
pollen tube
pollen-covered
pollen-dusted
pollen-sprinkled
police verso
pollin-
polling booth
polling place
polling station
polly mountain
polly-fox
polly-parrot
polo ball
polo cart
polo coat
polo ground
polo neck
polo pony
polo shirt
polt-foot
poly-
poly-mountain
polyarthritis rheumatism
polychrest salt
polyconic projection
polyethylene glycol
polyglot dictionary
polygonal number
polyhedral angle
polyhedron formula
polymeric amide
polymorpho-
polymorphonuclear leucocyte
polymorphous perversity
polymorphous-perverse
polyneuritic psychosis
polynomial ring
polyphase induction motor
polyphonic music
polyphonic prose
polyphosphoric acid
polypod brake
polypody family
polysulfide rubber
polysyllabic profundity
polytechnic school
polyunsaturated fat
polyurethane rubber
polyvalent vaccine
polyvinyl acetal
polyvinyl acetate
polyvinyl alcohol
polyvinyl butyral
polyvinyl chloride
polyvinyl resin
polyvinyl-formaldehyde
polyvinylidene chloride
polyvinylidene resin
pom girl
pom-pom
pom-pom girl
pom-pom-pullaway
pomace fly
pome-citron
pome-like
pomegranate purple
pomfret-cake
pomme blanche
pomme de terre
pomme-lion
pommel bag
pommes blanches
pomp and circumstance
pompadour green
pompano shell
pompous person
pompous prolixity
pompous word
ponceau red
pond apple
pond crow
pond cypress
pond duck
pond lily
pond pine
pond scum
pond smelt
pond-apple
pond-scum parasite
pond-skater
ponder over
ponderosa pine
pondosa pine
pondus medicinale
pone bread
pons Varolii
pons asinorum
pont l'eveque
pont-levis
pontes Varolii
pontiff purple
pontoon bridge
pontoon dock
pontoon hull
pontoon lifeboat
pony engine
pony express
pony grass
pony shaft
pony trekking
pony truck
pony truss
pony up
poodle dog
pooh bah
pooh pooh
pooh-bah
pooh-pooh
pooh-pooh theory
pooh-pooher
pool bottle
pool hall
pool hole
pool seller
pool table
pool your interests
pool your interests with
pooling of resources
poon up
poonga-oil
poop cabin
poop deck
poop out
poop royal
poop staff
pooped out
poor White
poor as Job
poor as Job's turkey
poor as a church mouse
poor behavior
poor bet
poor box
poor boy
poor boy sweater
poor clare
poor creature
poor cuckoldy knave
poor custody
poor debtor
poor devil
poor diction
poor excuse
poor farm
poor fist
poor gas
poor guardianship
poor health
poor husbandry
poor imitation
poor in spirit
poor john
poor judgment
poor law
poor lookout
poor man
poor man's gout
poor oat
poor opinion
poor outlook
poor person
poor possibility
poor prognosis
poor prospect
poor relation
poor relief
poor reputation
poor stewardship
poor taste
poor timing
poor tool
poor unfortunate
poor white
poor white trash
poor, the
poor-blooded
poor-box
poor-charactered
poor-clad
poor-debtor law
poor-do
poor-feeding
poor-folksy
poor-law
poor-minded
poor-rate
poor-sighted
poor-spirited
poor-spiritedly
poor-spiritedness
poor-will
poorly argued
poorly off
pop art
pop artist
pop ash
pop at
pop concert
pop culture
pop fly
pop foul
pop hero
pop in
pop into your head
pop literature
pop music
pop off
pop out
pop safety valve
pop the question
pop up
pop upon
pop valve
pop wine
pop your cherry
pop-
pop-corn
pop-gun
pop-off
pop-shop
pop-up
popcorn balls
popcorn flower
pope joan
pope's eye
pope's head
pope's nose
pope-holy
popeye catalufa
popinjay green
poplar birch
poplar borer
poplar box
poplar hawk
poplar worm
poplar-covered
poplar-crowned
poplar-flanked
poplar-leaved
poplar-lined
poplar-planted
popliteal space
popper cake
poppet head
poppet leg
poppet valve
poppet-head
popping crease
popping-crease
poppy anemone
poppy ash
poppy bee
poppy mallow
poppy oil
poppy seed
poppy-bordered
poppy-colored
poppy-crimson
poppy-crowned
poppy-flowered
poppy-haunted
poppy-head
poppy-pink
poppy-red
poppy-seed
poppy-sprinkled
poppyseseed oil
pops concert
poptical art
poptical artist
popular air
popular belief
popular concert
popular etymology
popular front
popular hero
popular idol
popular literature
popular music
popular prices
popular psychology
popular regard
popular singer
popular song
popular sovereignty
popular taste
popular tune
popular vote
popular-priced
population explosion
population parameter
population pressure
population pyramid
porbeagle shark
porcelain clay
porcelain enamel
porcelain glass
porcelain green
porcelain maker
porcelain making
porcelain shell
porcelain tower
porch chair
porch climber
porch hammock
porch lamp
porch railing
don't believe
porch rocker
porch screen
porch seat
porch settee
porch swing
porcupine anteater
porcupine balls
porcupine beater
porcupine boiler
porcupine crab
porcupine disease
porcupine fish
porcupine grass
porcupine man
porcupine rat
pore fungus
pore over
pork and beans
pork barrel
pork butcher
pork chop
pork eater
pork packer
pork pie
pork pig
pork store
pork tapeworm
pork-barrel legislation
pork-barrel politician
pork-barrel politics
pork-barreling
porkpie hat
porno film
pornographic art
pornographic film
pornographic literature
pornographic novel
porphyry
porphyry chamber
porphyry copper
porphyry shell
porpoise oil
porpoise whale
port anchor
port authority
port bar
port captain
port charge
port differential
port duty
port engine
port engine ahead
port engineer
port in a storm
port of call
port of embarkation
port of entry
port risk insurance
port royalist
port superintendent
port tack
port-caustic
port-crayon
port-hole
port-mouthed
port-royal
port-sale
port-vent
port-wine
port-wine mark
port-wine stain
port-winy
portable TV set
portable drill
portable engine
portable field unit
portable radio
portable saw
portable television set
portal frame
portal vein
portal-to-portal
portal-to-portal pay
portative organ
portcullis money
porte cochere
porte-
porte-cochere
porte-monnaie
porte-monnaies
porteous roll
porter aux nues
porter chair
porter's lodge
porter-house
porterhouse steak
porthole die
portia tree
portion off
portion or point of time
portion out
portioned out
portland cement
portmanteau word
portrait bust
portrait camera
portrait flask
portrait lens
portrait painter
portrait painting
portrait sculpture
portrait statue
portraying in the mind
portuguese man-of-war
portulan chart
pose a question
pose against
pose as
pose for effect
pose over against
posigrade rocket
posing against
posing over against
position artillery
position buoy
position co-ordinate
position code converter
position coder
position data transmitter
position effect
position finder
position indicator
position isomer
position isomerism
position light
position line
position paper
position target
position tracker
position warfare
positional error
positional notation
positioning mechanism
positive column
positive declaration
positive definiteness
positive direction of pitch
positive direction of roll
positive direction of yaw
positive electricity
positive electron
positive fact
positive feedback
positive geotropism
positive ion
positive law
positive lens
positive lift axis
positive misprision
positive organ
positive philosophy
positive polarity
positive pole
positive ray
positive reinforcement
positive statement
positive transference
positive valence
positive-ion accelerator
positively right
poss stick
poss tub
posse comitatus
possess authority
possess incriminating evidence
possess nine lives
possess one of the facts
possess sexually
possess your soul in patience
possess yourself
possess yourself of
possessed of
possessed with a demon
possessed with a devil
possessive adjective
possessive case
possessive pronoun
posset pot
possibility upon a possibility
possible choice
possom haw
post-Augustan
post-Augustinian
post-Aztec
post-Babylonian
post-Biblical
post-Caesarean
post-Cambrian
post-Carboniferous
post-Carolingian
post-Cartesian
post-Cesarean
post-Chaucerian
post-Christian
post-Christmas
post-Columbian
post-Confucian
post-Constantinian
post-Copernican
post-Crusade
post-Darwinian
post-Davidic
post-Devonian
post-Diocletian
post-Easter
post-Elizabethan
post-Eocene
post-Galilean
post-Gothic
post-Hittite
post-Homeric
post-Ibsen
post-Impressionist
post-Johnsonian
post-Jurassic
post-Justinian
post-Jutland
post-Kansan
post-Kantian
post-Leibnitzian
post-Leibnizian
post-Lent
post-Linnean
post-Marxian
post-Mendelian
post-Mesozoic
post-Miocene
post-Mishnaic
post-Mishnic
post-Mishnical
post-Mosaic
post-Mycenean
post-Napoleonic
post-Newtonian
post-Nicene Fathers
post-Oligocene
post-Ordovician
post-Paleozoic
post-Pauline
post-Pentecostal
post-Permian
post-Petrine
post-Phidian
post-Platonic
post-Pleistocene
post-Pliocene
post-Pythagorean
post-Reformation
post-Renaissance
post-Restoration
post-Revolutionary
post-Roman
post-Romantic
post-Shakespearean
post-Shakespearian
post-Silurian
post-Socratic
post-Talmudic
post-Talmudical
post-Tertiary
post-Transcendental
post-Triassic
post-Tridentine
post-Vedic
post-Victorian
post-Volstead
post-audit
post-bag
post-bellum
post-boat
post-boy
post-captain
post-chaise
post-classical
post-communion
post-cyclic
post-date
post-diluvial
post-diluvian
post-factum
post-fine
post-free
post-glacial
post-graduate
post-haste
post-horn
post-horse
post-house
post-impressionism
post-impressionistic
post-juvenal
post-kantian
post-mortem
post-mortem clot
post-mortem examination
post-oak grape
post-obit
post-obit bond
post-obituary
post-office address
post-office box
post-office car
post-office order
post-officer
post-ordinar
post-partum
post-pliocene
post-remogeniture
post-road
post-signer
post-tension
post-tertiary
post-town
postage currency
postage due stamp
postage envelope
postage label
postage meter
postage stamp
postage-due stamp
postal card
postal clerk
postal currency
postal delivery zone
postal meter
pot fisherman
pot furnace
pot garden
pot hat
pot kiln
pot lace
pot layering
pot lead
pot liquor
pot maker
pot marigold
pot marjoram
pot metal
pot plant
pot roast
pot shot
pot spinning
pot still
pot valve
pot wheel
pot-au-feu
pot-bellied
pot-belly
pot-boiler
pot-bound
pot-boy
pot-clay
pot-color
pot-earth
pot-gun
pot-gutted
pot-herb
pot-hole
pot-hook
pot-house
pot-hunter
pot-lead
pot-lid
pot-liquor
pot-luck
pot-metal
pot-pie
pot-pourri
pot-rustler
pot-shaped
pot-shot
pot-sick
pot-valiance
pot-valiancy
pot-valiant
pot-valiantly
pot-valiantry
pot-valiance
pot-valor
pot-valorous
pot-wabbler
pot-walloper
pot-walloping
pot-wobbler
potage a la julienne
potage a la tete de veau
potage a la tortue
potage au tomate
potage aux herbes
potage volaille a la reine
potash alum
potash feldspar
potash granite
potash hunger
potash niter
potash soap
potassio-
potassium acetate
potassium acid carbonate
potassium acid oxala
potassium acid oxalate
potassium acid sulphate
potassium acid tartrate
potassium alum
potassium amide
potassium antimonate
potassium antimonyl
potassium antimonyl tartrate
potassium argon dating
potassium biaurate
potassium bicarbonate
potassium bichromate
potassium binoxalate
potassium bisulfate
potassium bisulphate
potassium bitartrate
potassium bromide
potassium carbonate
potassium chlorate
potassium chromate
potassium chrome alum
potassium chromic sulfate
potassium cobaltinitrite
potassium cyanide
potassium dichromate
potassium ethyl xanthogenate
potassium ferricyanide
potassium ferrocyanide
potassium fluoride
potassium hydrate
potassium hydrogen tartrate
potassium hydroxide
potassium hypoantimonate
potassium hypochlorite
potassium iodide
potassium manganate
potassium myronate
potassium nitrate
potassium oxalate
potassium permanganate
potassium persulphate
potassium rhodanide
potassium sodium tartrate
potassium sulfate
potassium sulphate
potassium tetroxalate
potassium thiocyanate
potassium xanthate
potassium-argon dating
potato aphid
potato apple
potato ball
potato bean
potato beetle
potato blight
potato bug
potato cake
potato canker
potato cellar
potato chip
potato chips
potato crisp
potato fern
potato flour
potato fork
potato fungus
potato hook
potato masher
potato mosaic
potato moth
potato mottle
potato murrain
potato onion
potato peeler
potato race
potato salad
potato scab
potato set
potato soup
potato tree
potato vine
potato wart
potato weevil
potato whisky
potatoworm
potato-sick
potbellied stove
potcher engine
potcher man
potent cross
potent-counterpotent
potential cautery
potential difference
potential divider
potential energy
potential gradient
potentiometric titration
pothooks and hangers
pott octavo
pott quarto
pott's disease
potter away
potter bee
potter wasp
potter's clay
potter's earth
potter's field
potter's wheel
pattern ore
pottery tissue
pottery tree
potting shed
pottle pot
pottle-bellied
pottle-bodied
pottle-crowned
pottle-deep
potty-chair
pou de ciel
pou sto
pouch bone
pouch-shaped
pouched mole
pouched rat
poulard wheat
poulette sauce
poul-de-soie
poult's measure
poultry breeder
poultry breeding
poultry buyer
poultry buyer
poultry car
poultry car
poultry culture
poultry dealer
poultry dresser
poultry dressing
poultry fancier
poultry fancying
poultry farm
poultry farmer
poultry farming
poultry feed
poultry grower
poultry house
poultry husbandry
poultry judging
poultry keeper
poultry keeping
poultry raiser
poultry raising
poultry rearing
poultry shop
poultry show
poultry stall
poultry tick
poultry wire
poultry yard
pounce bag
pounce box
pounce on
pounce paper
pounce tree
pounce upon
pouncet box
pouncet-box
pouncing paper
pound Scots
pound apothecaries'
pound avoirdupois
pound away
pound boat
pound brush
pound cake
pound degree
pound in
pound lock
pound mile
pound net
pound of flesh
pound out
pound sovereign
pound sterling
pound the ear
pound troy
pound-cake
pound-folly
pound-foolish
pound-foolishness
pound-foot
pound-force
pound-trap
pound-weight
pounds in after trim
pounds of thrust
pour a broadside into
pour balm into
pour balm on
pour balm upon
pour down
pour down the drain
pour down the rathole
pour forth
pour in
pour it on
pour money into
pour oil on
pour oil on the blaze
pour oil on the fire
pour oil on troubled waters
pour oil upon
pour on
pour on the coal
pour out
pour out blood like water
pour out the vials of your wrath
pour out vials of wrath
pour over
pour plate
pour point
pour test
pour water into a sieve
pour water on
pour with rain
pourer-off
pourer-out
pouring basin
pouring basket
pouring box
pouring rain
pousse-caf
pousse-cafe
poverty birch
poverty grass
poverty plant
poverty subculture
poverty-proof
poverty-stricken
pow wow
powder and shot
powder barrel
powder beef
powder blue
powder box
powder boy
powder burn
powder charge
powder chest
powder compact
powder down
powder flag
powder flask
powder grain
powder gray
powder horn
powder house
powder keg
powder magazine
powder maker
powder metallurgy
powder mill
powder monkey
powder paper
powder pimperlimpimp
powder post
powder puff
powder room
powder ship
powder snow
powder train
powder-black
powder-blue
powder-charged
powder-down
powder-flask
powder-gray
powder-horn
powder-laden
powder-marked
powder-monkey
powder-post beetle
powder-posted
powder-puff
powder-scorched
powder-tinged
powdered milk
powdered soap
powdered sugar
powdery mildew
power amplifier
power base
power behind the throne
power brake
power brakes
power broker
power cab
power cable
power chain
power cruiser
power cut
power dive
power drill
power duster
power elite
power engineer
power engineering
power factor
power for good
power gas
close grab
power jack
power line
power load
power loading
power loom
power meter
power microscope
power mower
power of appointment
power of attorney
power of expression
power of mind
power of mind over matter
power of money
power of reason
power of sight
power of suggestion
power of the keys
power of thought
power off
power pack
power plant
power play
power plug
power point
power politics
power press
power pump
power punch
power rail
power reactor
power relay
power sander
power saw
power sawyer
power series
power servo
power set
power shaft
power shears
power shovel
power source
power spin
power sprayer
power station
power steering
power stroke
power structure
power struggle
power supply
power take-off
power to act
power tool
power train
power transformer
power tube
power vacuum
power vessel
power weaver
power wheel
power-assisted steering
power-breeder reactor
power-directional relay
power-dive
power-dived
power-diving
power-dove
power-driven
power-elated
power-hunger
power-hungry
power-loom
power-operate
power-operated
power-packed
power-plant engineer
power-plant engineering
power-political
power-riveting
power-saw
power-sawed
power-sawing
power-sawn
power-seeking
power-supply engineer
powered flight
powerful like
powers of darkness
powers that be
powers that be, the
pox-marked
practical ability
practical art
practical consequence
practical joke
practical joker
practical knowledge
practical mechanics
practical mind
practical nurse
practical person
practical piece
practical politics
practical prop
practical reason
practical scientist
practical skill
practical test
practical theology
practical utility
practical wisdom
practical-minded
practical-mindedness
practice a profession
practice at the bar
practice curve
practice domesticity
practice fraud upon
practice landing
practice law
practice medicine
practice nonviolence
practice of medicine
practice on your credulity
practice philosophy
practice self-control
practice self-denial
practice sorcery
practice spiritualism
practice teacher
practice teaching
practice the golden rule
practice upon
practice-teach
practiced hand
prae-
praedium dominans
praedium serviens
praemunientes clause
praemunientes writ
praetorian guard
pragmatic logic
pragmatic sanction
pragmatic theory
pragmatic theory of truth
prairie acacia
prairie artichoke
prairie aster
prairie breaker
prairie button snakeroot
prairie chicken
prairie clover
prairie coneflower
prairie crab apple
prairie dock
prairie dog
prairie falcon
prairie fire
prairie fowl
prairie fox
prairie goose
prairie grouse
prairie hen
prairie itch
prairie june grass
prairie larkspur
prairie lily
prairie mallow
prairie marmot
prairie owl
prairie oyster
prairie phlox
prairie pine
prairie pointer
prairie poppy
prairie rattlesnake
prairie rocket
prairie rose
prairie sage
prairie schooner
prairie smoke
prairie soil
prairie squirrel
prairie turnip
prairie violet
prairie wakerobin
prairie warbler
prairie wolf
praise Father
praise God
praise and glorify God
praise meeting
praise the Lord
praise to excess
praise to the skies
praise ye Him all His hosts
praise ye the Lord
praise-begging
praise-deserving
praise-fed
praise-giving
praise-spoiled
praise-winning
pram bow
prank up
praso-
pray God that
pray do
pray for quarter
pray over
prayer bead
prayer beads
prayer book
prayer carpet
prayer flag
prayer machine
prayer mat
prayer meeting
prayer mill
prayer of thanks
prayer paper
prayer rug
prayer scarf
prayer service
prayer shawl
prayer tower
prayer wheel
prayer-answering
prayer-book
prayer-clenched
prayer-granting
prayer-hearing
prayer-lisping
prayer-loving
prayer-repeating
prayerful hope
praying cylinder
praying mantis
pre-Achaean
pre-Alfredian
pre-American
pre-Ammonite
pre-Ammonitish
pre-Armistice
pre-Arthurian
pre-Aryan
pre-Assyrian
pre-Augustan
pre-Augustine
pre-Babylonian
pre-Baconian
pre-British
pre-Buddhist
pre-Byzantine
pre-Cambrian
pre-Cambridge
pre-Canaanite
pre-Canaanitic
pre-Carboniferous
pre-Carolingian
pre-Catholic
pre-Celtic
pre-Centennial
pre-Chaucerian
pre-Chellean
pre-Chinese
pre-Christan
pre-Christanite
pre-Christmas
pre-Columbian
pre-Columbian art
pre-Congregationalist
pre-Congress
pre-Conquest
pre-Copernican
pre-Copernicanism
pre-Crusade
pre-Dantian
pre-Darwinian
pre-Darwinianism
pre-Dickensian
pre-Dorian
pre-Doric
pre-Dravidian
pre-Dravidic
pre-Dutch
pre-Easter
pre-Elizabethan
pre-Empire
pre-English
pre-French
pre-Georgian
pre-German
pre-Germanic
pre-Gothic
pre-Greek
pre-Han
pre-Hebrew
pre-Hellenic
pre-Hieronymian
pre-Hinduized
pre-Hispanic
pre-Homeric
pre-Inca
pre-Incan
pre-Incarial
pre-Indian
pre-Irish
pre-Islam
pre-Islamic
pre-Islamite
pre-Islamitic
pre-Israelite
pre-Israelitish
pre-Jewish
pre-Johannine
pre-Johnsonian
pre-Justinian
pre-Kantian
pre-Koranic
pre-Latin
pre-Laurentian
pre-Linnaean
pre-Linnean
pre-Linnaean
pre-Luciferian
pre-Lutheran
pre-Malay
pre-Malayan
pre-Malaysian
pre-Marxian
pre-Mendelian
pre-Messianic
pre-Methodist
pre-Mohammedian
pre-Mongolian
pre-Mosaic
pre-Moslem
pre-Muslim
pre-Mycenaean
pre-Napoleonic
pre-Newtonian
pre-Noachian
pre-Norman
pre-Norse
pre-Osmanli
pre-Palaeozoic
pre-Paleozoic
pre-Patrician
pre-Pauline
pre-Permian
pre-Persian
pre-Petrine
pre-Pharaonic
pre-Phidian
pre-Polish
pre-Pueblo
pre-Puebloan
pre-Raphael
pre-Raphaelism
pre-Raphaelite
pre-Raphaelitic
pre-Raphaelitish
pre-Raphaelitism
pre-Reconstruction
pre-Reformation
pre-Renaissance
pre-Restoration
pre-Revolution
pre-Roman
pre-Sargonic
pre-Saxon
pre-Semitic
pre-Shakepeare
pre-Shakespeare
pre-Shakespearean
pre-Shakespearian
pre-Silurian
pre-Socratic
pre-Solomonic
pre-Solonian
pre-Spanish
pre-Sumerian
pre-Syriac
pre-Syrian
pre-Tertiary
pre-Thanksgiving
pre-Tridentine
pre-Tudor
pre-Victorian
pre-Virgilian
pre-Volstead
pre-adamite
pre-amp
pre-audit
pre-axial
pre-chellean
pre-christian
pre-conquestal
pre-contract
pre-distortion
pre-earthly
pre-earthquake
pre-eclampsia
pre-eclamptic
pre-economic
pre-economical
pre-edit
pre-edition
pre-editor
pre-editorial
pre-editorially
pre-educate
pre-education
pre-educational
pre-educationally
pre-effect
pre-effective
pre-effectively
pre-effectual
pre-efficiency
pre-efficient
pre-efficiently
pre-effort
pre-elect
pre-election
pre-elective
pre-electric
pre-electrical
pre-electrically
pre-elemental
pre-elementary
pre-eligibility
pre-eligible
pre-eliminate
pre-elimination
pre-eliminator
pre-emancipation
pre-embarrass
pre-embarrassment
pre-embodiment
pre-embody
pre-emergency
pre-eminence
pre-eminency
pre- eminent
pre-eminently
pre-eminentness
pre-emotion
pre-emotional
pre-emperor
pre-employ
pre-employee
pre-employer
pre-employment
pre-empt
pre-emptible
pre-emption
pre-emption right
pre-emptioner
pre-emptive
pre-emptively
pre-emptor
pre-emptory
pre-enable
pre-enact
pre-enaction
pre-enclose
pre-enclosure
pre-encounter
pre-encourage
pre-encouragement
pre-endeavor
pre-endorse
pre-endorsement
pre-endorser
pre-energetic
pre-energy
pre-enforce
pre-enforcement
pre-engage
pre-engagement
pre-engineering
pre-enjoy
pre-enjoyable
pre-enjoyment
pre-enlarge
pre-enlargement
pre-enlighten
pre-enlightener
pre-enlightening
pre-enlightenment
pre-enlist
pre-enlistment
pre-enroll
pre-enrollment
pre-entail
pre-entainment
pre-enter
pre-entertain
pre-entertainer
pre-entertainment
pre-enthusiasm
pre-enthusiastic
pre-entitle
pre-entrance
pre-entry
pre-enumerate
pre-enumeration
pre-envelop
pre-envelopment
pre-environmental
pre-epic
pre-epidemic
pre-epochal
pre-equalization
pre-equip
pre-equipment
pre-equity
pre-erect
pre-erection
pre-erupt
pre-eruption
pre-eruptive
pre-escape
pre-escort
pre-esophageal
pre-essay
pre-essential
pre-establish
pre-established
pre-establisher
pre-establishment
pre-esteem
pre-estimate
pre-estimation
pre-estival
pre-eter
pre-eternal
pre-evade
pre-evaporate
pre-evaporation
pre-evaporator
pre-evasion
pre-evidence
pre-evident
pre-evidently
pre-evite
pre-evolutional
pre-evolutionary
pre-evolutionist
pre-exact
pre-exaction
pre-examination
pre-examine
pre-examiner
pre-excel
pre-excellence
pre-excellency
pre-excellent
pre-except
pre-exception
pre-exceptional
pre-exceptionally
pre-exchange
pre-excitation
pre-excite
pre-excitement
pre-exclude
pre-exclusion
pre-exclusive
pre-exclusively
pre-excursion
pre-excuse
pre-execute
pre-execution
pre-executor
pre-exempt
pre-exemption
pre-exhaust
pre-exhaustion
pre-exhibit
pre-exhibition
pre-exhibitor
pre-exile
pre-exilian
pre-exilic
pre-exist
pre-existence
pre-existent
pre-existentiary
pre-existentism
pre-expand
pre-expansion
pre-expect
pre-expectant
pre-expectation
pre-expedition
pre-expeditionary
pre-expend
pre-expenditure
pre-expense
pre-experience
pre-experiment
pre-experimental
pre-expiration
pre-explain
pre-explanation
pre-explanatory
pre-explode
pre-explosion
pre-expose
pre-exposition
pre-exposure
pre-expound
pre-expounder
pre-express
pre-expression
pre-expressive
pre-extend
pre-extensive
pre-extensively
pre-extent
pre-extinction
pre-extinguish
pre-extinguishment
pre-extract
pre-extraction
pre-fabulous
pre-free-trade
pre-glacial
pre-ignition
pre-judicial
pre-judiciary
pre-man
pre-operculum
pre-option
pre-orbital
pre-ordain
pre-ordinate
pre-preference
pre-raphael
pre-raphaelite
pre-raphaelitism
pre-shrunk
pre-socratic
pre-sternum
pre-teens
preach to the winds
preacher bird
preaching brother
preaching friar
preaching-house
prealternate molt
prebasic molt
prebendal stall
precedent condition
precession of the equinoxes
precinct captain
precinct house
precinct leader
precious coral
precious heart
precious little
precious metal
precious metals
precious moonstone
precious opal
precious rascal
precious stone
precipitable water
precipitate yourself
precipitation hardening
precision balance
precision barometer
precision block
precision bomber
precision bombing
precision caliper
precision camera
precision casting
precision clock
precision focusing
precision gauge
precision gauge block
precision grinding
precision instrument
precision lathe
precision lens
precision meter
precision punch
precision scale
precision screw
precision tool
precision weight
precision-production control
preclinical medicine
precombustion engine
precordial anxiety
precordial pain
precordial region
predaceous diving beetle
predation pressure
predicate adjective
predicate calculus
predicate nominative
predicate noun
predicate objective
predicated on
predictable error
predictable response
predictable within limits
predisposed to
predominance of Aquarius
pree the mouth of
preen gland
preen yourself
prefabricated house
prefect apostolic
prefects apostolic
prefecture apostolic
prefectures apostolic
prefer a claim
prefer a petition
prefer charges
prefer to
prefer your own company
preference for the best
preference primary
preference share
preference shares
preference stock
preferential shop
preferential system
preferential treatment
preferential voting
preference bond
preference freight
preferred lie
preferred position
preferred stock
prefree-trade
prefrontal leucotomy
prefrontal lobotomy
pregenital fixation
pregnant imagination
pregnant moment
pregnant of good
pregnant with meaning
prehensile tail
prehistoric animal
prehistoric animals
prehistoric anthropology
prehistoric archaeology
prehistoric man
prehistoric races
prejudice against
prejudice the issue
prejudice-proof
prelapse Eian state
prelate nullius
preliminary act
preliminary approach
preliminary convention
preliminary examination
preliminary measure
preliminary sign
preliminary signal
preliminary step
preliminary study
premarital relations
premarital sex
premature acceptation
premature baby
premature beat
premature contraction
premature judgment
premier danseur
premier performance
premiere danseuse
premiers danseurs
premium bond
premium bonds
premium gas
premium note
premium system
premonitory chill
premonitory plague
premonitory shiver
premonitory sign
premonitory symptom
prenatal Informal
prendre la balle au bond
prep school
prep schooler
preparatory act
preparatory instruction
preparatory measure
preparatory school
preparatory step
preparatory study
prepare against
prepare food
prepare for
prepare for burial
prepare for the evil day
prepare the ground
prepare the way
prepare to
prepare yourself
prepared and ready
prepared for
prepared for either course
prepared piano
prepared speech
prepared text
prepay station
prepositional phrase
prerogative court
prerogative instance
prerogative office
prerogative writ
presby-
preschool child
prescribe for
prescribed form
prescription drug
prescriptive grammar
preseasonal treatment
presence chamber
presence of God
presence of mind
presence room
presence-chamber
presenile dementia
present a bold front
present a petition
present a position paper
present a true bill
present arms
present difficulties
present itself
present itself to the mind
present itself to the thoughts
present no difficulties
present participle
present perfect
present tense
present the appearance of
present to
present to the eye
present to the eyes
present to the mind
present value
present your case
present yourself
present yourself to view
present-age
present-day
present-minded
present-time
presentation copy
presentation of the case
presentation time
presentative realism
presenting arms
preservative medium
preserve a balance
preserve a middle course
preserve an even course
preserve from oblivion
preserve your dignity
preserve your honor
preset board
preset control board
preside at the board
preside over
president general
president pro tempore
president-elect
presidential election
presidential government
presidential palace
presidential papers
presidential preference primary
presidential primary
presidential timber
presiding judge
presiding officer
press agency
press agent
press association
press bed
press boava
press box
press boy
press brake
press bundler
press bureau
press cake
press camera
press card
press charges
press clipper
press clipping
press cloth
press conference
press copy
press corrector
press correspondent
press cupboard
press down
press drill
press fastener
press feeder
press fit
press fitter
press forward
press gallery
press gang
press hard upon
press heavy on
press her
press in
press into service
press iron
press money
press notice
press objections
press of business
press of canvas
press of sail
press on
press onward
press operator
press out
press proof
press release
press roll
press section
press stud
press tender
press the attack
press time
press to the bosom
press to the ground
press upon
press your hand
press your suit
press, the
press-agent
press-agentry
press-bed
press-forge
press-gang
press-made
press-mark
press-money
pressure neuropathy
pressure nozzle
pressure point
pressure producer
pressure pump
pressure recorder
pressure register
pressure regulator
pressure ridge
pressure saucepan
pressure sense
pressure siphon
pressure spot
pressure spring
pressure stage
pressure suit
pressure syllable
pressure tank
pressure transducer
pressure transmitter
pressure tube
pressure valve
pressure warrant
pressure welding
pressure wire
pressure-cook
pressure-fixing
pressure-group politics
pressure-reciprocating
pressure-reducing
pressure-regulating
pressure-relief ring
pressure-relieving
pressure-testing
pressure-vacuum valve
pressureless space
pressurized suit
pressure-hard
prest money
prest-money
prestation money
prester john
prestige dialect
presto change
presto chango
prestressed concrete
presume on
presume upon
presumption of fact
presumption of innocence
presumptive evidence
presumptive heir
presumptive right
pretend not to see
pretend to
pretend to be
preter-
preterit-present
preterite-present
preterito-present
preterito-presential
pretium puellae
pretty as a picture
pretty damned quick
pretty good
pretty kettle of fish
pretty lies
pretty much
pretty much the same
pretty near
pretty pass
pretty penny
pretty pickle
pretty piece of business
pretty predicament
pretty up
pretty well
pretty wit
pretty-behaved
pretty-by-night
pretty-face
pretty-faced
pretty-footed
pretty-humored
pretty-looking
pretty-mannered
pretty-pretty
pretty-spoken
pretty-toned
pretty-witted
prevail on
prevail over
prevail upon
prevail with
prevailing belief
prevailing sentiment
prevailing taste
prevailing westerlies
prevailing wind
preventive grace
preventer backstay
preventer plate
preventer stay
prevention-proof
preventive custody
preventive dentist
preventive dentistry
preventive detention
preventive law
preventive measure
preventive medicine
preventive treatment
preventive war
previous question
previous time
previous to
prey on
prey on the mind
prey to blind fear
prey to malaise
prey upon
prabble-prabble
price ceiling
price control
price controls
price current
price cut
price determination
price discrimination
price fall
price fixing
price freeze
price index
price level
price list
price of money
price out of the market
price range
price reduction
price ring
price support
price supports
price tag
price war
price-cut
price-cutter
price-cutting
price-deciding
price-enhancing
price-fixing
price-lowering
price-raising
price-reducing
price-ruling
price-stabilizing
prices current
prick ear
prick mark
prick post
prick punch
prick shaft
prick shooting
prick song
prick the bubble
prick up
prick up the ears
prick up your ears
prick wheel
prick your balloon
prick-ear
prick- eared
prick-madam
prick-post
prick-seam
prick-song
prick-timber
pricking of conscience
pricking of heart
pricking wheel
pricking-up
prickle cell
prickle grass
prickle-back
prickle-cone pine
prickley heat
prickly ash
prickly glasswort
prickly grass
prickly heat
prickly lettuce
prickly pear
prickly phlox
prickly poppy
prickly shield fern
prickly thrift
prickly-finned
prickly-fruit
prickly-lobed
prickly-margined
prickly-seeded
prickly-toothed
pride and joy
pride of China
pride of India
pride of bearing
pride of place
pride of the morning
pride yourself
pride-blind
pride-blinded
pride-bloated
pride-fed
pride-inflamed
pride-inspiring
pride-of-India
pride-riden
pride-sick
pride-swollen
prie-dieu
priest hole
priest vicar
priest-astronomer
priest-baiting
priest-catching
priest-doctor
priest-dynast
priest-educated
priest-guarded
priest-harboring
priest-hating
priest-hermit
priest-hole
priest-king
priest-knight
priest-led
priest-monk
priest-noble
priest-philosopher
priest-poet
priest-prince
priest-prompted
priest-ridden
priest-riddenness
priest-ruler
priest-statesman
priest-surgeon
priest-wrought
prim up
prim-behaving
prim-lipped
prim-looking
prim-mannered
prim-mouthed
prim-notioned
prim-seeming
primar ballerina
primar donna
primar facie
primar facie case
primar facie evidence
primar inter pares
primar materia
primar vista
primar-facie evidence
primal chaos
primal ignorance
primal stupidity
primal therapy
primary accent
primary anemia
primary atypical pneumonia
primary battery
primary burial
primary cell
primary coil
primary color
primary colour
primary contact
primary derivative
primary digestion
primary education
primary election
primary electron
primary evidence
primary form
primary group
primary highway
primary infection
primary intention
primary oocyte
primary optical area
primary phloem
primary pigment
primary processes
primary quality
primary road
primary scholar
primary school
primary scholar
primary sex character
primary sex characteristic
primary spermatocyte
primary stress
primary syphilis
primary trainer
primary type
primary wave
prime coat
prime cost
prime field
prime focus
prime hours
prime ideal
prime interest rate
prime interval
prime investment
prime issue
prime meridian
prime minister
prime ministry
prime mover
prime number
prime number theorem
prime of life
prime of the morning
prime of the year
prime rate
prime song
prime the pump
prime time
prime tone
prime vertical
prime-ministerial
prime-ministership
prime-ministry
primed for
primeval forest
priming boiler
priming charge
primitive Indo-European
primitive arch
primitive art
primitive church
primitive faith
primitive polynomial
primitive self
primitive settler
primo tenore
primp up
primrose green
primrose path
primrose peerless
primrose tree
primrose willow
primrose yellow
primrose-colored
primrose-decked
primrose-dotted
primrose-haunted
primrose-leaved
primrose-scented
primrose-spangled
primrose-starred
primrose-sweet
primrose-tinted
primrose-yellow
primuline color
primuline yellow
primum mobile
primus inter pares
primus stove
prince albert
prince charming
prince consort
prince elector
prince of wales
prince regent
prince royal
prince’s feather
prince’s pipe
prince’s-feather
prince’s-pine
prince-abbot
prince-angel
principle of least action
principle of relativity
principle of superposition
principle of virtual work
prink out
prink up
print cloth
print cutter
print media
print medium
print out
print shop
print trimmer
print-out
print-out paper
printed antenna
printed circuit
printed matter
printed paper
printer’s copy
printer’s devil
printer’s error
printer’s imprint
printer’s ink
printer’s mark
printer’s reader
printer’s ream
printing calculator
printing equipment
printing frame
printing ink
printing machine
printing office
printing paper
printing plate
printing press
printing surface
printing telegraph
printing-house
printing-in
printing-out
printing-out paper
printing-press
prior consultation
prior right of purchase
prior to
prism binocular
prism binoculars
prism diopter
prism glass
prism level
prism spectrometer
prism spectroscope
prism telescope
prismatic coefficient
prismatic compass
prismatic layer
prismatic telescope
prison base
prison bird
prison breach
prison camp
prison fever
prison guard
prison house
prison pallor
prison psychosis
prison term
prison ward
prison-bound
prison-bred
prison-bursting
prison-caused
prison-escaping
prison-free
prison-house
prison-made
prison-making
prison-taught
prisoner of war
prisoner's base
prisoner-of-war camp
prisoner-of-war stockade
prisoners' bars
prisse papyrus
pristine ignorance
prittle-prattle
private aims
private attorney
private aviation
private bill
private branch exchange
private business exchange
private checker
private company
private conference
private desires
private detective
private enterprise
private eye
private first class
private flying
private hospital
private hotel
private income
private information
private instructor
private international law
private investigator
private judgment
private knowledge
private law
private line
private matter
private means
private member
private ownership
private parts
private patient
private pilot
private plane
private practice
private press
private road
private room
private school
private secretary
private sector
private teaching
private treaty
private-duty nurse
private-enterprise
private-enterprise economy
private-line car
privation-proof
privet adelia
privet andromeda
privet hawk
privet honeysuckle
privilege from
privileged communication
privileged question
privy chamber
privy council
privy councilor
privy counsellor
privy parts
privy purse
privy seal
privy to
privy-councilship
prix fixe
prix fixes
prize court
prize crew
prize fight
prize fighter
prize fighting
prize flag
prize money
prize open
prize out
prize ring
prize sap
prize winner
prize-fight
prize-fighter
prize-giving
prize-playing
prize-ring
prize-taking
prize-winning
pro and con
pro bono publico
pro forma
pro forma balance sheet
pro memoria
pro patria
pro patria mori
pro rata
pro tanto
pro tem
pro tempore
pro-
pro-Abyssinian
pro-Alabaman
pro-Alaskan
pro-Algerian
pro-Alsatian
pro-American
pro-Americanism
pro-Anglican
pro-Arab
pro-Arabian
pro-Arabic
pro-Argentina
pro-Arian
pro-Aristotelian
pro-Armenian
pro-Asian
pro-Asiatic
pro-Athenian
pro-Australian
pro-Austrian
pro-Baconian
pro-Baptist
pro-Belgian
pro-Bessarabian
pro-Biblical
pro-Bohemian
pro-Bolivian
pro-Bolshevik
pro-Bolshevism
pro-Bolshevist
pro-Brazilian
pro-British
pro-Buddhist
pro-Bulgarian
pro-Burman
pro-Cambodia
pro-Camoun
pro-Canadian
pro-Catholic
pro-Catholicism
pro-Ceylon
pro-Chilean
pro-Chinese
pro-Colombian
pro-Confederate
pro-Congolese
pro-Congressional
pro-Cuban
pro-Cyprus
pro-Czech
pro-Czechoslovakian
pro-Danish
pro-Darwin
pro-Darwinian
pro-Darwinism
pro-Denmark
pro-Dominican
pro-East
pro-Eastern
pro-Ecuador
pro-Egyptian
pro-Elizabethan
pro-Emersonian
pro-English
pro-Eskimo
pro-Ethiopian
pro-European
pro-Finnish
pro-Florentine
pro-France
pro-French
pro-Freud
pro-Freudian
pro-Gaelic
pro-Gentile
pro-German
pro-Ghana
pro-Gothic
pro-Grecian
pro-Greek
pro-Guatemalan
pro-Haitian
pro-Hawaiian
pro-Hellenic
pro-Hindu
pro-Hitler
pro-Honduran
pro-Hungarian
pro-Icelandic
pro-Indian
pro-Indonesian
pro-Iranian
pro-Iraq
pro-Iraqi
pro-Irish
pro-Israel
pro-Israeli
pro-Italian
pro-Jacobean
pro-Japanese
pro-Jeffersonian
pro-Jewish
pro-Jordan
pro-Korean
pro-Koweit
pro-Kuwait
pro-Laotian
pro-Latin
pro-Lebanese
pro-Liberian
pro-Lybian
pro-Madagascan
pro-Malayan
pro-Malaysian
pro-Methodist
pro-Mexican
pro-Monaco
pro-Moroccan
pro-Moslem
pro-Muslem
pro-Muslim
pro-Negro
pro-Nigerian
pro-Nordic
pro-North
pro-Northern
pro-Norwegian
pro-Oriental
pro-Panama
pro-Panamanian
pro-Paraguay
pro-Paraguayan
pro-Peruvian
pro-Philippine
pro-Polish
pro-Portuguese
pro-Presbyterian
pro-Protestant
pro-Prussian
pro-Quaker
pro-Renaissance
pro-Rumanian
pro-Russian
pro-Scandinavian
pro-Scriptural
pro-Scripture
pro-Somalia
pro-South
pro-Southern
pro-Soviet
pro-Spain
pro-Spanish
pro-Sudanese
pro-Sweden
pro-Swedish
pro-Swiss
pro-Switzerland
pro-Syrian
pro-Tunisian
pro-Turkey
pro-Turkish
pro-Unitarian
pro-United States
pro-Uruguayan
pro-Venezuelan
pro-Vietnamese
pro-West
pro-Western
pro-Westerner
pro-Whig
pro-Yugoslav
pro-Yugoslavian
pro-Zionism
pro-Zionist
pro-am
pro-art
pro-budgeting
pro-bus
pro-cathedral
pro-city
pro-co-operation
pro-form
pro-government
pro-immigrationist
pro-infinitive
pro-man
pro-modern
pro-observance
pro-oceanic
pro-ode
pro-oestrous
pro-oestrum
pro-oestrus
pro-oestrys
pro-opera
pro-operation
pro-opic
pro-opium
pro-orthodox
pro-orthodoxical
pro-orthodoxy
pro-ostracal
pro-ostracum
pro-otic
pro-pre-existentiary
pro-proctor
pro-rata
pro-rate
pro-rector
pro-rex
pro-skin
pro-state
pro-strike
pro-vice-chancellor
proAfrican
proactive inhibition
probability curve
probability density function
probability distribution
probability function
probability theory
probable cause
probable error
probate bond
probate court
probate duty
probate judge
probation officer
probatum est
probe scissors
probe-pointed
probirth-control
problem drinker
problem drinking
problem novel
problem play
problems in living
problon is a probability
proboscis monkey
procaine amide
procaryotic cell
proceed from
proceed out in the open
proceed to
proceed with
proces verbal
proces-verbaux
process butter
process cheese
process control
process costing
process lag
process loop
process milling
process of time
process photos
process plate
process printer
process printing
process server
process shot
process variable
process-control system
process-server
processed cheese
processing solution
processing tax
procession flower
processional march
processionary moth
prochain ami
prochein ami
prochein amy
proclaim at Charing Cross
proclaim at the crossroads
proclaim at the market cross
proclaim from
procrustean bed
procto-
procuration fee
procurator fiscal
procurator-fiscal
procurator-general
procure materials
procurement editor
prodigal returned
prodigal son
produce an instance
produce conviction
produce race
producer gas
producer goods
producing again
producing once more
producing over
product engineer
production control
production curve
production editor
production goods
production line
production manager
production number
productive capacity
productive imagination
profane language
profane oath
profane swearing
profane, the
profanity-proof
profanum vulgus
profession of belief
profession of faith
professional athlete
professional consultant
professional education
professional ethics
professional killer
professional mourner
professional musician
professional name
professional politician
professional soldiers
professional standing
professional status
professor emeritus
professor ordinarius
proffer aid
proffer yourself
proficiency badge
proficient in
profile board
profile cutter
profile drag
profile line
profile machine
profile map
profile microscope
profile paper
profile plan
profiling machine
profit and loss
profit and loss account
profit by
profit sharing
profit system
profit taking
profit-and-loss
profit-building
profit-making
profit-producing
profit-seeking
profit-sharing
profit-taking
profit-yielding
profound idiocy
profound knowledge
profound secret
profound sense
profound sleep
profound thought
prognostic chart
program clock
program director
program discriminator
program feed
program music
program of action
program of music
program of operation
program picture
programme music
programmed instruction
programmed learning
programming language
progress chart
progress clerk
progress of time
progressive conservative
progressive jazz
progressive proof
progressive school
progressive sorites
progressive tax
progressive taxation
progressive tense
progressive trials
prohibition-proof
prohibitory injunction
project over
projected window
projectile anchor
projectile lathe
projectile rocket
projecting microscope
projection booth
projection fiber
projection machine
projection print
projection printing
projection room
projection tube
projective geometry
projective property
projective test
projector lamp
projector tube
prolate spheroid
proletarian novel
proliferative arthritis
prolong the agony
prolonge knot
prolonged narcosis
promenade concert
promenade deck
promenade tile
promethea moth
prominent belly
promise in marriage
promise of harm
promise-bound
promise-breach
promise-breaking
promise-crammed
promise-fed
promise-fulfilling
promise-keeping
promise-led
promise-making
promise-performing
promised land
promissory note
promoter of the faith
promotional material
prompt dower
prompt note
prompt side
prompt the mind
prompter's box
propeller thrust
propeller torque
propeller wash
propeller-drive gas turbine
propeller-jet engine
propelling charge
propelling nozzle
propelling pencil
propenyl alcohol
propenyl group
propenyl radical
proper adjective
proper claim
proper fraction
proper function
proper motion
proper name
proper noun
proper occasion
proper piloting
proper subalgebra
proper subset
proper task
proper thing
proper time
proper to
proper value
propertied person
property damage insurance
property insurance
property line
property man
property master
property owner
property right
property rights
property roll
property tax
property transfer
property-increment tax
property-owning
prophet flower
prophet of doom
prophet-bard
prophet-flower
prophet-king
prophet-painter
prophet-poet
prophet-preacher
prophet-statesman
prophetic revelation
prophectico-historical
propylactic psychiatry
propylactic psychology
propio-
propionic acid
propitiatory gift
propjet engine
proportional band
proportional control
proportional counter
proportional ionization chamber
proportional limit
proportional parts
proportional representation
proportional tax
proportioning lever
proposal bond
propose a question
propose to
proposed explanation
propositional calculus
propositional function
propound a question
proprietary colony
proprietary drug
proprietary hospital
proprietary medicine
proprietary name
proprietary rights
proprio motu
props from under one
props from under you
propter hoc
propulsion charge
propulsive duct
propulsive efficiency
propyl alcohol
propyl aldehyde
propylene glycol
propylphenyl acetate
pros and cons
pros-
proscenium arch
proscenium box
proscenium boxes
proscenium stage
prose fiction
prose poem
prose poet
prose poetry
prose rhythm
prose run mad
prose style
prose writer
prosecute a suit against
prosecute at law
prosecute to a conclusion
prosecuting attorney
prosecution-proof
prosodic form
prosodic pattern
prospect glass
prospective glass
prospective-glass
prosperity-proof
prosperous issue
prostate gland
prostatic fluid
prosthetic dentistry
prosthetic group
prostrate before
prostrate yourself
prostrate yourself before
prot-
prote-
protean actor
protected anchorage
protected cruiser
protection forest
protection racket
protective clothing
protective coloration
protective covering
protective custody
protective deck
protective mimicry
protective slope
protective stock
protective system
protective tariff
protective umbrella
protector paravane
protein crystal
protein deficiency
protein factor
protein fever
protein fibers
protein milk
protein plastic
protein shock
protein therapy
protein-free
proteolytic enzyme
protero-
protest against
protest demonstration
protest flag
protest too much
protested bill
proteus animalcule
prothetic vowel
prothonotary apostolic
prothonotary warbler
proto-
protocol sentence
protocol statement
proton gun
proton number
proton reaction
proton-synchrotron
protoxide of nitrogen
protozoan disease
protracted meeting
protruding belly
proud as Lucifer
proud as a peacock
proud bearing
proud flesh
proud-blind
proud-blooded
proud-crested
proud-exulting
proud-glancing
proud-hearted
proud-looking
proud-minded
proud-mindedness
proud-paced
proud-pillared
proud-prancing
proud-quivered
proud-spirited
proud-stomached
provable fact
provascular tissue
prove false
prove out
prove the contrary
prove to be
prove true
prove up
prove your point
proved fact
proverbial saying
provice-chancellor
provide a hedge
provide a rationale
provide against
provide against a rainy day
provide capital for
provide for
provide for a rainy day
provide money for
provide the wherewithal
provide with a roof
provided always
provided for
provided school
provided that
provident care
provident club
provident society
provincial court
provincial legislature
provincial parliament
provincial police
provincial tax
proving ground
proving out
provision account
provision of capital
provision tree
provisional government
provisionally accept
provisionally admit
provolone cheese
provost court
provost guard
provost marshal
provost-marshal
prow on
prowl after
prowl car
proximal convoluted tubule
proximate analysis
proximate cause
proxime accessit
proximity fuse
proximity fuze
proximity meter
proxy marriage
proxy statement
proxy voting
prudent administration
prudential administration
prune purple
prune tree
prunes and prisms
pruning hook
pruning saw
pruning shears
prurient interest
prussian blue
prussic acid
pry around
pry into
pry into the future
pry loose from
pry open
pry out
pry pole
psalm book
psalm singer
psalm tone
psalm tune
psammo-
pseud-
pseudo abolitionist
pseudo abstainer
pseudo academy
pseudo acceptance
pseudo accident
pseudo acid
pseudo acquaintance
pseudo actor
pseudo actress
pseudo aesthete
pseudo aestheticism
pseudo affection
pseudo agent
pseudo alliance
pseudo ally
pseudo alumna
pseudo alumnus
pseudo amateur
pseudo analogy
pseudo ancestor
pseudo angel
pseudo animal
pseudo animalism
pseudo announcement
pseudo apology
pseudo applicant
pseudo application
pseudo appointment
pseudo appreciation
pseudo aristocrat
pseudo arrest
pseudo art
pseudo artist
pseudo asceticism
pseudo assertion
pseudo association
pseudo astonishment
pseudo aunt
pseudo author
pseudo authoress
pseudo authorization
pseudo bacillus
pseudo banker
pseudo bankruptcy
pseudo baptism
pseudo bard
pseudo base
pseudo benefactor
pseudo benefactress
pseudo benevolence
pseudo bible
pseudo biographer
pseudo biography
pseudo biology
pseudo bird
pseudo bishop
pseudo boa
pseudo bookcase
pseudo boy
pseudo bride
pseudo broker
pseudo brokerage
pseudo brother
pseudo cancellation
pseudo candidacy
pseudo candidate
pseudo candor
pseudo captive
pseudo capture
pseudo catholic
pseudo catholicism
pseudo census
pseudo champion
pseudo championship
pseudo charity
pseudo chemist
pseudo chemistry
pseudo citizen
pseudo citizenship
pseudo clergy
pseudo clergyman
pseudo clerk
pseudo client
pseudo club
pseudo college
pseudo competitor
pseudo conclusion
pseudo cone
pseudo confession
pseudo confessional
pseudo confirmation
pseudo conflict
pseudo connection
pseudo consent
pseudo conservator
pseudo conversion
pseudo cook
pseudo cordiality
pseudo corporation
pseudo count
pseudo courtesy
pseudo courtier
pseudo cousin
pseudo creditor
pseudo crisis
pseudo critic
pseudo criticism
pseudo crystal
pseudo cult
pseudo cultivation
pseudo culture
pseudo date
pseudo death
pseudo declaration
pseudo deficit
pseudo delegate
pseudo delegation
pseudo democracy
pseudo deputation
pseudo deputy
pseudo devotee
pseudo devotion
pseudo dike
pseudo diplomacy
pseudo diplomat
pseudo distance
pseudo distribution
pseudo distributor
pseudo divination
pseudo divine
pseudo divinity
pseudo doctor
pseudo donation
pseudo donor
pseudo drama
pseudo dramatist
pseudo duke
pseudo earl
pseudo economics
pseudo economy
pseudo editor
pseudo editorial
pseudo education
pseudo educator
pseudo election
pseudo electorale
pseudo emotion
pseudo endeavor
pseudo enthusiasm
pseudo enthusiast
pseudo episcopacy
pseudo equality
pseudo ethics
pseudo etymologist
pseudo etymology
pseudo evangelist
pseudo example
pseudo exemplar
pseudo experiment
pseudo expert
pseudo exposure
pseudo fabric
pseudo failure
pseudo faith
pseudo fame
pseudo farmer
pseudo farming
pseudo father
pseudo femininity
pseudo feminism
pseudo feminist
pseudo fertilization
pseudo finality
pseudo flatterer
pseudo flattery
pseudo form
pseudo fruit
pseudo generosity
pseudo geniality
pseudo genius
pseudo gentility
pseudo gentleman
pseudo geyser
pseudo ghost
pseudo healer
pseudo heart
pseudo heathen
pseudo hero
pseudo humanism
pseudo humanist
pseudo humanitarian
pseudo husband
pseudo identity
pseudo impartiality
pseudo independence
pseudo information
pseudo insanity
pseudo inspiration
pseudo internationalism
pseudo internationalist
pseudo invalid
pseudo invalidism
pseudo island
pseudo isle
pseudo jaundice
pseudo judge
pseudo judgment
pseudo justice
pseudo knight
pseudo label
pseudo learning
pseudo legality
pseudo legend
pseudo legislation
pseudo legislator
pseudo liberalism
pseudo liberality
pseudo liquidation
pseudo literature
pseudo loan
pseudo lord
pseudo mahogany
pseudo marble
pseudo marquis
pseudo marriage
pseudo martyr
pseudo martyrdom
pseudo masculinism
pseudo masculinity
pseudo masterpiece
pseudo medievalism
pseudo meditation
pseudo member
pseudo membership
pseudo memory
pseudo messenger
pseudo militarism
pseudo minister
pseudo ministry
pseudo miracle
pseudo modesty
pseudo monastery
pseudo monk
pseudo moralist
pseudo morality
pseudo myth
pseudo narcotism
pseudo nationalism
pseudo nobility
pseudo noble
pseudo nymph
pseudo occidentalist
pseudo occupation
pseudo official
pseudo officialism
pseudo orientalist
pseudo owner
pseudo pagan
pseudo parallel
pseudo parasite
pseudo parent
pseudo parson
pseudo participation
pseudo partner
pseudo partnership
pseudo pastor
pseudo pastorate
pseudo patriot
pseudo patriotism
pseudo patron
pseudo patronage
pseudo payment
pseudo peasant
pseudo peasantry
pseudo philanthropist
pseudo philanthropy
pseudo philologist
pseudo philology
pseudo philosopher
pseudo philosophy
pseudo physician
pseudo piety
pseudo pigmentation
pseudo poet
pseudo poetess
pseudo poetry
pseudo politician
pseudo politics
pseudo popularity
pseudo possession
pseudo possessor
pseudo poverty
pseudo precedent
pseudo prescription
pseudo presentiment
pseudo priest
pseudo priesthood
pseudo prince
pseudo principality
pseudo profession
pseudo professor
pseudo prohibition
pseudo prohibitionist
pseudo prophecy
pseudo prophet
pseudo prophetess
pseudo prosperity
pseudo psychologist
pseudo psychology
pseudo purity
pseudo ray
pseudo realism
pseudo recognition
pseudo recollection
pseudo reconciliation
pseudo reform
pseudo reformation
pseudo reformatory
pseudo reformer
pseudo registration
pseudo relation
pseudo relationship
pseudo relative
pseudo religion
pseudo republic
pseudo residence
pseudo resident
pseudo resignation
pseudo reversal
pseudo rheumatism
pseudo romanticism
pseudo royal
pseudo royalty
pseudo sacrilege
pseudo saint
pseudo saintliness
pseudo sanctity
pseudo sanctuary
pseudo satire
pseudo satirist
pseudo scholar
pseudo scholarship
pseudo science
pseudo scientist
pseudo sensation
pseudo sense
pseudo sensibility
pseudo servility
pseudo servitor
pseudo servitude
pseudo signature
pseudo siphon
pseudo slavery
pseudo socialism
pseudo socialist
pseudo specialist
pseudo specialty
pseudo specter
pseudo spirit
pseudo spirituality
pseudo statement
pseudo stem
pseudo student
pseudo subtlety
pseudo suicide
pseudo symptom
pseudo temperance
pseudo theft
pseudo tribe
pseudo tribulation
pseudo tribute
pseudo university
pseudo virgin
pseudo witness
pseudo worship
pseudo zeal
pseudo-African
pseudo-American
pseudo-Argentinean
pseudo-Argentinian
pseudo-Aristotelian
pseudo-Aryan
pseudo-Assyrian
pseudo-Australian
pseudo-Austrian
pseudo-Babylonian
pseudo-Baptist
pseudo-Belgian
pseudo-Bohemian
pseudo-Bolivian
pseudo-Brahman
pseudo-Brazilian
pseudo-Buddhist
pseudo-Bulgarian
pseudo-Canadian
pseudo-Carthaginian
pseudo-Catholic
pseudo-Chilean
pseudo-Chinese
pseudo-Christian
pseudo-Ciceronian
pseudo-Dantesque
pseudo-Democratic
pseudo-Dutch
pseudo-East Indian
pseudo-Egyptian
pseudo-Elizabethan
pseudo-English
pseudo-Episcopalian
pseudo-European
pseudo-French
pseudo-Georgian
pseudo-German
pseudo-Germanic
pseudo-Gothic
pseudo-Grecian
pseudo-Greek
pseudo-Hindu
pseudo-Homeric
pseudo-Hungarian
pseudo-Incan
pseudo-Indian
pseudo-Iranian
pseudo-Irish
pseudo-Italian
pseudo-Japanese
pseudo-Mayan
pseudo-Messianic
pseudo-Methodist
pseudo-Mexican
pseudo-Miltonic
pseudo-Mohammedan
pseudo-Mohammedanism
pseudo-Mongolian
pseudo-Moslem
pseudo-Muslem
pseudo-Muslim
pseudo-Norwegian
pseudo-Panamanian
pseudo-Persian
pseudo-Polish
pseudo-Presbyterian
pseudo-Republican
pseudo-Roman
pseudo-Russian
pseudo-Semitic
pseudo-Serbian
pseudo-Shakespearian
pseudo-Socratic
pseudo-Spanish
pseudo-Swedish
pseudo-Turkish
pseudo-Vergilian
pseudo-Victorian
pseudo-Virgilian
pseudo-carp
pseudo-catholic
pseudo-christ
pseudo-code
pseudo-hieroglyphic
pseudo-intransitive
pseudo-ionone
pseudo-isometric
pseudo-occidental
pseudo-orthorhombic
pseudo-osteomalacia
pseudo-papal
pseudo-uniseptate
pseudo-urate
pseudo-urea
pseudo-uric
pseudoaortic insufficiency
pseudologia phantastica
pseudometric space
pseudonymous literature
psi particle
psilo-
psych out
psych-
psychasthenic reaction
psyche knot
psyched up
psychedelic drug
psychedelic show
psychiatric evaluation
psychiatric ward
psychic apparatus
psychic bid
psychic blindness
psychic determinism
psychic energizer
psychic energy
psychic epilepsy
psychic income
psychic monism
psychic phenomena
psychic research
psychical phenomena
psychical research
psychically blind
psycho-
psycho-asthenics
psycho-physical
psycho-therapeutic
psychoactive drug
psychoactive drugs
psychoanalytic method
psychoanalytic theory
psychoanalytic therapy
psychogenic disease
psychological block
psychological complex
psychological conditioning
psychological counseling
psychological defenses
psychological dependence
psychological dictionary
psychological evaluation
psychological fixation
psychological hedonism
psychological logic
psychological medicine
psychological moment
psychological novel
psychological primary
psychological profile
psychological screening
psychological stress
psychological support
psychological surrogate
psychological symbol
psychological test
psychological time
psychological warfare
psychologically addictive
psychology of depths
psychomotor disturbance
psychomotor epilepsy
psychoneurotic disorder
psychopathia martialis
psychopathia sexualis
psychopathic case
psychopathic condition
psychopathic hospital
psychopathic personality
psychopathic ward
psychophysical parallelism
psychosexual disorder
psychosocial medicine
psychosomatic disease
psychosomatic medicine
psychosomatic symptom
psychotic personality
psychrometric chart
psyllium seed
pterid-
pterido-
ptero-
pteroic acid
pteroylglutamic acid
pteroylmonoglutamic acid
pterygo-
pterygoid bone
pterygoid process
ptilo-
ptolemaic system
ptomaine poisoning
pub crawler
pub-crawl
pubertal gland
puberty gland
public hair
public acclaim
public accountant
public act
public address
public administration
public assistance
public bar
public baths
public belief
public bill
public charge
public company
public consciousness
public convenience
public corporation
public crib
public debt
public defender
public dishonor
public domain
public enemy
public enterprise
public entertainer
public eye
public figure
public gallery
public health
public health doctor
public health medicine
public health nurse
public health physician
public hospital
public house
public image
public international law
public knowledge
public law
public lending right
public librarian
public library
public man
public motive
public notice
public nuisance
public official
public opinion
public orator
public ownership
public park
public policy
public press
public print
public prosecutor
public records
public relations
public relations man
public relations officer
public report
public sale
public school
public servant
public service
public speaker
public speaking
public speech
public spirit
public square
public statute
public telephone
public television
public till
public tit
public tranquility
public treasury
public trough
public utilities
public utility
public walk
public welfare
public works
public worship
public-address system
public-liability insurance
public-minded
public-mindedness
public-official bond
public-opinion poll
public-school
public-service corporation
public-spirited
public-spiritedly
public-spiritedness
public-utility
public-voiced
publicity agent
publicity law
publicity man
publicity manager
publicity story
publicity-proof
publish a manifesto
publish the banns
publisher's catalog
publisher's list
publishing house
publishing industry
puffed wheat
puffer pipe
puffing up
pug dog
pug head
pug knife
pug mill
pug moth
pug nose
pug piling
pug-faced
pug-nosed
pug-pile
puisne judge
puisne justice
puke-stocking
pukka sahib
puling infant
pull a blooper
pull a bluff
pull a boner
pull a boo-boo
pull a face
pull a fast one
pull a fast one on
pull a gun on
pull a lone oar
pull a long face
pull a proof
pull about
pull about your ears
pull an oar
pull apart
pull around
pull at the heartstrings
pull at the leash
pull away
pull back
pull box
pull broach
pull by the sleeve
pull clear
pull date
pull different ways
pull down
pull fo
pull for
pull in
pull in pieces
pull in your horns
pull lamp holder
pull off
pull on
pull out
pull out all the stops
pull out of it
pull over
pull pin
pull punches
pull rank
pull ropes
pull round
pull station
pull strap
pull strings
pull switch
pull the forelock
pull the strings
pull the wires
pull the wool over your eyes
pull through
pull to pieces
pull together
pull towards
pull up
pull up by the roots
pull up short
pull up stakes
pull wires
pull you up short
pull your leg
pull your own weight
pull your rank
pull your teeth
pull your weight
pull your wits together
pull yourself together
pull-
pull-back
pull-down
pull-drive
pull-in
pull-in torque
pull-off
pull-on
pull-on sweater
pull-out
pull-out torque
pull-over
pull-through
pull-through torque
pull-up
pull-up chair
pullboat logging
puller-in
puller-out
pullet disease
pulley block
pulley chain
pulley frame
pulley lathe
pulley oiler
pulley stile
pulley tackle
pulley tap
pulley-shaped
pulling boat
pulling down
pulling out
pulling power
pulling together
pulling-out
pullorum disease
pullulate with
pully-haul
pully-hauly
pulmo-
pulmonary artery
pulmonary emphysema
pulmonary insufficiency
pulmonary phthisis
pulmonary stenosis
pulmonary tuberculosis
pulmonary valve
pulmonary vein
pulmoni-
pulmono-
pulp canal
pulp canal therapy
pulp canal treatment
pulp cavity
pulp chamber
pulp engine
pulp lead
pulp machine
pulp magazine
pulp nodule
pulp plaster
pulpilyl galaxy
pulpit cloth
pulpit cross
pulpit rock
pulsating direct current
pulsating star
pulsating universe
pulsating universe theory
pulsation pump
pulsation theory
pulse analyzer
pulse deficit
pulse family
pulse generator
pulse glass
pulse height analyser
pulse ionization chamber
pulse jet
pulse jet helicopter
pulse modulation
pulse pressure
pulse radar
pulse rate
pulse transformer
pulse wave
pulse-jet
pulse-jet engine
pulse-jet propulsion
pulse-modulated radar
pulse-time modulation
pulsejet engine
pulsion diverticulum
pulsus alternans
pulvering day
pulverizer harrow
pumice soap
pumice stone
pumice-stone
pump bilge
pump bob
pump box
pump brake
pump cylinder
pump doctor
pump drill
pump for information
pump full of lead
pump gun
pump handle
pump house
pump out
pump priming
pump rod
pump room
pump sole
pump spear
pump staff
pump up
pump well
pump-action
pump-back method
pump-handle
pump-handler
pump-priming
pump-room
pump-well
pumping engine
pumping plan
pumping-back method
pumpkin ash
pumpkin head
pumpkin pine
pumpkin seed
pumpkin tree
pumpkin-colored
pumpkin-headed
pumpkin-seed
pumpkin-seed oil
puna grass
punch barrel
punch bowl
punch card
punch cards
punch cattle
punch cutter
punch full of holes
punch holder
punch house
punch in
punch ladle
punch lifter
punch line
punch mark
punch mat
punch out
punch pliers
punch press
punch spoon
punch the clock
punch-and-judy show
punch-ball
punch-bowl
punch-card data
punch-drunk
punch-hole
punch-marked
punch-up
punched card
punched cards
punched tape
punching bag
punching machine
punching press
punctuation mark
punctuation marks
puncture vine
puncture voltage
puncture your balloon
pungent meadow grass
pungle up
punish yourself
punishment of Tantalus
punishment that fits the crime
punishment-proof
punitive damages
punitive sanction
punk kid
punk oak
punk rock
punk tree
punkah wallah
punner bar
punt formation
punt gun
punt shooter
punt shooting
punto reverso
pup tent
pupa shell
pupa-shaped
pupil hour
pupil load
pupil teacher
pupil teachery
pupil-teacherdom
pupil-teachership
puppet government
puppet play
puppet player
puppet regime
puppet show
puppet valve
puppet-play
puppet-show
puppet-valve
puppy drum
puppy fat
puppy love
puppy-dog
pur sang
pur-
purchase book
purchase journal
purchase ledger
purchase money
purchase money bond
purchase record
purchase shears
purchase tax
purchase-money
purchasing agent
purchasing power
purchasing public
pure and simple
pure chemistry
pure color
pure culture
pure cussedness
pure democracy
pure form
pure imaginary
pure imaginary number
pure in heart
pure line
pure mathematics
pure mechanics
pure science
pure white
pure-blooded
pure-bosomed
pure-dye
pure-eyed
pure-food law
pure-heartedness
pure-minded
purebred horse
pureness of heart
purgatory hammer
purge away
purge yourself
purging nut
purification flower
purified cotton
purine base
purity rubric
purl stitch
purlieu-man
purlin plate
puro-
purple and fine linen
purple beard grass
purple bent
purple boneset
purple cestrum
purple chokeberry
purple color
purple daisy
purple finch
purple fish
purple fishery
purple foxglove
purple gallinule
purple heart
purple heron
purple lake
purple loosestrife
purple martin
purple medic
purple melick grass
purple mombin
purple mullein
purple oat
purple of Cassius
purple pall
purple passage
purple passages
purple patch
purple patches
purple rock cress
purple sage
purple sandpiper
purple shore crab
purple trillium
purple willow herb
purple wood grass
purple wood sorrel
purple wreath
purple-awned
purple-awned oat grass
purple-backed
purple-beaming
purple-berried
purple-black
purple-blue
purple-brown
purple-clad
purple-coated
purple-colored
purple-crimson
purple-dawning
purple-dyeing
purple-eyed
purple-faced
purple-flowered
purple-fringed
purple-fringed orchid
purple-glowing
purple-green
purple-headed
purple-hued
purple-leaved
purple-nosed
purple-red
purple-robed
purple-rose
purple-skirted
purple-spiked
purple-spotted
purple-staining
purple-stemmed
purple-streaked
purple-streaming
purple-tailed
purple-tipped
purple-top
purple-topped
purple-veined
purple-vested
purple-yellow
purpose clause
purpose of
purpose to yourself
purpose-built
purpura hemorrhagica
purpureo-
purre maw
purse atomizer
purse bearer
purse boat
purse crab
purse cutter
purse cutting
purse isinglass
purse line
purse maker
purse net
purse pride
purse race
purse ring
purse rope
purse seine
purse seiner
purse silk
purse snatcher
purse snatching
purse spider
purse string
purse strings
purse weight
purse-bearer
purse-eyed
purse-lined
purse-lipped
purse-mad
purse-pinched
purse-pride
purse-proud
purse-shaped
purse-snatching
purse-string
purse-string suture
purse-swollen
purslane speedwell
purslane tree
pursuant to
pursue a policy of
pursue a strategy
pursue an inquiry
pursue the arts of peace
pursue your education
pursuit airplane
pursuit pendulum
pursuit plane
pursuit squadron
puls basin
puls cell
puls pan
push about
push along
push around
push aside
push back
push bicycle
push bolt
push broach
push broom
push button
push car
push cycle
push down
push drill
push fit
push forward
push from your thoughts
push hoe
push in
push moraine
push off
push on
push onward
push out
push out of place
push shot
push the panic button
push the pen
push the pencil
push through
push to one side
push to the wall
push up daisies
push upon
push your luck
push your way
push-
push-bike
push-button
push-button control
push-button plant
push-button telephone
push-button warfare
push-down
push-off
push-out chuck
push-pin
push-pull
push-pull microphone
push-start
push-up
pusher airplane
pusher grade
pusher plane
pusher propeller
pushing down
pushing under
pushing up daisies
puss clover
puss in the corner
puss moth
puss-cat
puss-moth
pussle-gutted
pussy clover
pussy wants a corner
pussy willow
pussy's toe
pussy's toes
pussy-foot
pustula maligna
put a bold face on
put a bold face upon
put a bridle on your tongue
put a bug in your ear
put a construction on
put a crimp in
put a curse on
put a duty on
put a false appearance upon
put a false construction on
put a false construction upon
put a figure on
put a flea in your ear
put a gloss upon
put a good face upon
put a half nelson on
put a hex on
put a juju on
put a mark on
put a penalty on
put a period to
put a question to
put a spoke in your wheel
put a spoke in your wheels
put a stop to
put a tuck in your tail
put about
put across
put all your eggs in one basket
put all your strength into
put an embargo on
put an end to
put an end to yourself
put and call
put apart
put aside
put asunder
put at a disadvantage
put at ease
put at your disposal
put away
put away for
put away thought
put back
put beef into it
put before
put behind one
put between
put beyond the pale
put by
put down
put down to
put faith in
put for
put forth
put forth buds
put forth leaves
put forth your strength
put forward
put heads together
put hep
put hip
put in
put in a call
put in a false light
put in a good word for
put in a hole
put in a new light
put in a nutshell
put in a spot
put in a trance
put in a word
put in a word for
put in an appearance
put in an order
put in an order for
put in black and white
put in bodily fear
put in commission
put in condition
put in danger
put in fear
put in for
put in force
put in good humor
put in hock
put in irons
put in jeopardy
put in mind
put in mothballs
put in motion
put in operation
put in opposition
put in order
put in pawn
put in phase
put in place
put in plain English
put in plain words
put in practice
put in proper fore-and-aft trim
put in remembrance
put in repair
put in requisition
put in shape
put in suit
put in the bag
gut in the foreground
gut in the minutes
gut in the place of
gut in the right
gut in time
gut in trim
gut in tune
gut in words
gut in words of one syllable
gut in working order
gut in writing
gut in your bad books
gut in your black books
gut in your head
gut in your oar
gut in your two cents
gut in your two cents worth
gut into
gut into a flutter
gut into a gas
gut into effect
gut into execution
gut into port
gut into practice
gut into requisition
gut into shape
gut into the hands of
gut into the picture
gut into your head
gut it
gut it all behind one
gut it all behind you
gut it away
gut it in few words
gut it out of your thoughts
gut it to
gut it up to
gut life into
gut money in
gut new life into
gut next to
gut obeah on
gut off
gut off mortality
gut off the track
gut on
gut on a bold face
put on a burst of speed
put on a business basis
put on a business footing
put on a drive for
put on a false front
put on a false scent
put on a front
put on a harbor furl
put on a high
put on a pedestal
put on a show
put on airs
put on an act
put on an allowance
put on an even keel
put on blinders
put on edge
put on ice
put on immortality
put on long pants
put on long trousers
put on more sail
put on more speed
put on mourning
put on paper
put on parole
put on report
put on sail
put on side
put on steam
put on tape
put on the Index
put on the acid
put on the agenda
put on the air
put on the alert
put on the back burner
put on the block
put on the brakes
put on the dog
put on the drag
put on the feed bag
put on the gloves with
put on the grill
put on the map
put on the market
put on the new man
put on the rack
put on the record
put on the retired list
put on the right track
put on the ritz
put on the scales
put on the shelf
put on the soft pedal
put on the spot
put on the stage
put on the stand
put on the style
put on the track
put on to
put on to something hot
put on trial
put on weight
put on your considering cap
put on your feet
put on your guard
put on your thinking cap
put one on
put one on guard
put one's heart in one's mouth
put option
put out
put out a feeler
put out at interest
put out bag and baggage
put out buds
put out leaves
put out of action
put out of breath
put out of business
put out of commission
put out of countenance
put out of court
put out of existence
put out of face
put out of gear
put out of joint
put out of mind
put out of order
put out of place
put out of reach
put out of sight
put out of the way
put out of your head
put out of your mind
put out of your misery
put out of your thoughts
put out the welcome mat
put out to grass
put out to pasture
put out to sea
put over
put over against
put paid to
put pep into it
put pressure on
put price
put queries
put right
put six feet under
put somebody in his or her place
put someone on
put something across
put something aside
put something in the pot
put something over
put stock in
put straight
put teeth in
put the bee on
put the best color on
put the best face upon
put the bite on
put the blame on
put the cart before the horse
put the damper on
put the evil eye on
put the fear of God into
put the finger on
put the finisher on
put the finishing strokes on
put the finishing touches on
put the helm hard over
put the helm to leeward
put the helm up
put the jinx on
put the kibosh on
put the lid on
put the lid on it
put the pressure on
put the right foot forward
put the rudder amidships
put the rudder hard left
put the rudder hard over
put the rudder hard right
put the screw on
put the screw to
put the screws on
put the screws to
put the settler on
put the shot
put the skids to
put the skids under
put the touch on
put the worst face upon
put through
put through a deal
put through channels
put through the grind
put through the mill
put through the third degree
put to
put to advantage
put to bed
put to choice
put to death
put to flight
put to inconvenience
put to it
put to music
put to one side
put to press
put to rights
put to rout
put to school
put to sea
put to shame
put to silence
put to sleep
put to the blush
put to the proof
put to the question
put to the rack
put to the sword
put to the test
put to torture
put to trial
put to trouble
put to use
put to vote
put to your last shifts
put to your oath
put to your shifts
put to your wit's end
put together
put trust in
put two and two together
put under
put under a spell
put under an injunction
put under an interdict
put under an interdiction
put under an obligation
put under arrest
put under lock and key
put under oath
put under restraint
put under surveillance
put under the ban
put under the yoke
put up
put up a bluff
put up a bold front
put up a false front
put up a fight
put up a front
put up a howl
put up a job
put up a squawk
put up a struggle
put up an argument
put up as collateral
put up at
put up for auction
put up for sale
put up no barriers
put up the money
put up the shutters
put up the spout
put up to
put up with
put up with it
put up your hair
put upon
put upon oath
put upon record
put upon your mettle
put violently
put way upon
put with
put words in your mouth
put you in mind of
put you in the picture
put you in your place
put you on cloud nine
put you on top of the world
put you out
put you out of your misery
put you through your paces
put your Irish up
put your John Hancock on
put your arms around
put your back into
put your back into it
put your back to
put your back to the wall
put your back up
put your best foot forward
put your bristles up
put your cards on the table
put your cross on
put your dander up
put your eyes out
put your finger on
put your foot down
put your foot down on
put your foot in it
put your foot in your mouth
put your fur up
put your good name in jeopardy
put your hair up
put your hand to
put your hand to the plow
put your hands in your pockets
put your hands on
put your head in a lion's mouth
put your heart into
put your life on the line
put your mark on
put your mind at rest on
put your mind to
put your money on the line
put your monkey up
put your nose out of joint
put your pride in your pocket
put your shoulder to the wheel
put your teeth on edge
put your trust in
put your trust in God
put your two cents in
put your veto upon
put your weight in the scale
put your whole soul in
put yourself between disputants
put yourself down
put yourself down for
put yourself forward
put yourself in a spot
put yourself in another's shoes
put yourself in the hands of
put yourself out
put yourself out of court
put yourself out of the way
put yourself outside of
put yourself upon the
put zip into it
put-and-take
put-down
put-off
put-on
put-out
put-put
put-putter
put-up
put-up job
put-up market
put-upon
putative marriage
putrid matter
putt-putt
putter-forth
putter-in
putter-off
putter-on
putter-out
putter-through
putter-up
putting away
putting cleek
putting down
putting green
putting in
putting in order
putting on
putting on airs
putting out
cutting stone
cutting the best color on
putting together
putting two and two together
putting yourself between
putting-off
putting-stone
putty coat
putty eye
putty gloss
putty in your hands
putty knife
putty powder
putty-colored
putty-faced
putty-jointed
putty-looking
putty-powdered
putty-stopped
puzzle box
puzzle canon
puzzle lock
puzzle out
puzzle over
puzzle-brain
puzzle-cap
puzzle-headed
puzzle-monkey
puzzle-wit
puzzling problem
py-
pycno-
pye-dog
pygmy glider
pygmy weasel
pygmy-minded
pygo-
pyloro-
pyo-
pyogenic infection
pyorrhea alveolaris
pyorrhoea alveolaris
pyr-
pyramid flower
pyramid plant
pyramid selling
pyramid shell
pyramid-shaped
pyramidal number
pyramidal peak
pyramidal roof
pyramidal tent
pyrethrin I
pyrethrin II
pyrethrum yellow
pyreto-
pyrimidine base
pyrite type
pyrite yellow
pyrito-
pyritohedral group
pyro-
pyro-acid
pyrogallic acid
pyrogallol monoacetate
pyroligneous acid
pyroligneous alcohol
pyroligneous spirit
pyrometer cone
pyrometric bead
pyrometric cone
pyromucic aldehyde
pyrophosphoric acid
pyroracemic acid
pyrosulfuric acid
pyrosulphuric acid
pyrotechnic sponge
pyroxene group
pyroxylin plastic
pyrrhic victory
pyrrole red
pyruvic acid
pyruvic acid
pyruvic aldehyde
pxx chest
pxx cloth
pxx veil
pxx-jury
q fever
q v
q-boat
qua-bird
quack doctor
quack grass
quack remedy
quack-quack
quad crown
quad demy
quad large
quad line
quad royal
quad small
quadrant compass
quadrant electrometer
quadrant plate
quadraphonic sound system
quadrate cross
quadratic equation
quadratic form
quadratic formula
quadratic residue
quadrato-
quadrature component
quadrature of the circle
quadrennial circus
quadri-
quadri-invariant
quadric surface
quadrilateral spinnaker
quadrille ruling
quadrimum merum
quadru-
quadrupre counterpoint
quadrupe fugue
quadrupe time
quadrupe-expansion
quadruplex telegraphy
quaff the bitter cup
quai d’ orsay
quail brush
quail call
quail dove
quail hawk
quail pipe
quail snipe
quail-brush
quaint-costumed
quaint-eyed
quaint-felt
quaint-looking
quaint-notioned
quaint-shaped
quaint-spoken
quaint-stomached
quaint-witty
quaint-worded
quake grass
quake in your boots
quake in your shoes
quake like an aspen leaf
quake ooze
quaker gun
quaker meeting
quaker moth
quaker-colored
quaker-ladies
quaking aspen
quaking grass
quaking-grass
qualified negative
qualified veto
qualifying examination
qualitative analysis
quality binding
quality control
quality curve
quality factor
quality loop
quality stock
quality-control inspector
qualm of conscience
qualm-sick
quam libet
quandong nut
quantitative analysis
quantitative inheritance
quantitative meter
quantity control
quantity mark
quantity production
quantity surveying
quantity surveyor
quantity theorist
quantity theory
quantity theory of money
quantum chromodynamics
quantum electronics
quantum field theory
quantum liquid
quantum mechanics
quantum number
quantum optics
quantum statistics
quantum sufficit
quantum theory
quantum-mechanical
quarantine anchorage
quarantine flag
quarantine period
quare impedit
quarrel over
quarry bed
quarry face
quarry light
quarry miner
quarry out
quarry tile
quarry-faced
quarry-rid
quarrystone bond
quart major
quart minor
quart pot
quart-pot
quartal harmony
quarter ail
quarter at
quarter badge
quarter bar
quarter belt
quarter bend
quarter berth
quarter bill
quarter binding
quarter blanket
quarter block
quarter board
quarter boards
quarter boot
quarter box
quarter butt
quarter cask
quarter crack
quarter day
quarter deck
quarter dollar
quarter eagle
quarter evil
quarter face
quarter fast
quarter gallery
quarter galley
quarter grain
quarter hollow
quarter horse
quarter hour
quarter ill
quarter iron
quarter ladder
quarter lift
quarter light
quarter line
quarter miler
quarter nelson
quarter note
quarter of a century
quarter of a hundred
quarter pillar
quarter pitch
quarter plate
quarter point
quarter points
quarter rail
quarter rest
quarter round
quarter rudder
quarter screw
quarter section
quarter semitone
quarter sessions
quarter step
quarter stock
quarter tie
quarter tone
quarter watch
quarter-bound
quarter-breed
quarter-cast
quarter-cleft
quarter-cut
quarter-day
quarter-deck
quarter-decker
quarter-dollar
quarter-faced
quarter-final
quarter-finalist
quarter-foot
quarter-gallery
quarter-hollow
quarter-hoop
quarter-horse race
quarter-hour
quarter-inch
quarter-left
quarter-mile
quarter-miler
quarter-minute
quarter-month
quarter-moon
quarter-phase
quarter-pierced
quarter-pint
quarter-pound
quarter-right
quarter-run
quarter-second
quarter-sessions
quarter-sheet
quarter-size
quarter-turn stair
quarter-vine
quarter-wave
quarter-witted
quarter-yard
quarter-year
quarter-yearly
quarterback sneak
quarterly meeting
quarterly payments
quartermaster corps
quartermaster sergeant
quartet loaf
quartet table
quarto-centenary
quartz battery
quartz crystal
quartz flint
quartz glass
quartz lamp
quartz mill
quartz mining
quartz plate
quartz porphyry
quartz rock
quartz sand
quartz schist
quartz vein
quartz wedge
quartz-basalt
quartz-crystal clock
quartz-diorite
quartz-free
quartz-iodine lamp
quartz-light therapy
quartz-monzonite
quartz-syenite
quash the charge
quash the indictment
quashing of the charge
quashing of the indictment
quasi accident
quasi acquaintance
quasi actor
quasi adjective
quasi adjustment
quasi admiration
quasi adoption
quasi advantage
quasi adverb
quasi advice
quasi advocate
quasi affection
quasi agreement
quasi alarm
quasi alliance
quasi alumnus
quasi amateur
quasi amendment
quasi amusement
quasi angel
quasi animal
quasi answer
quasi apology
quasi appeal
quasi application
quasi appointment
quasi appreciation
quasi approval
quasi architect
quasi argument
quasi aristocracy
quasi candor
quasi captain
quasi cause
quasi celebration
quasi certificate
quasi champion
quasi charity
quasi cheer
quasi chemistry
quasi circulation
quasi citizen
quasi civilization
quasi clairvoyance
quasi client
quasi climax
quasi club
quasi co-operation
quasi collapse
quasi collateral
quasi collection
quasi collector
quasi college
quasi colloquial
quasi combat
quasi comedy
quasi comfort
quasi command
quasi compact
quasi competition
quasi competitor
quasi compliance
quasi compliment
quasi comprehension
quasi compromise
quasi concern
quasi concession
quasi conclusion
quasi conference
quasi confession
quasi confinement
quasi confirmation
quasi conflict
quasi conformance
quasi congratulation
quasi congress
quasi conjunction
quasi connection
quasi conquest
quasi conscience
quasi consent
quasi consequence
quasi consideration
quasi consignment
quasi consolation
quasi consolidation
quasi constitution
quasi construction
quasi consulation
quasi consumption
quasi contempt
quasi contest
quasi continent
quasi continuation
quasi contract
quasi contrast
quasi contribution
quasi control
quasi convenience
quasi convention
quasi conversation
quasi conveyance
quasi conviction
quasi cook
quasi copula
quasi corporateness
quasi corporation
quasi correction
quasi council
quasi coupon
quasi court
quasi courtesy
quasi cousin
quasi craft
quasi creation
quasi credit
quasi creditor
quasi crime
quasi crisis
quasi criticism
quasi cultivation
quasi culture
quasi currency
quasi customer
quasi damage
quasi debt
quasi decision
quasi declaration
quasi decoration
quasi dedication
quasi default
quasi defeat
quasi defiance
quasi deficit
quasi definition
quasi dejection
quasi delegate
quasi delict
quasi demand
quasi democrat
quasi deposit
quasi depreciation
quasi depression
quasi deputy
quasi despair
quasi destination
quasi destruction
quasi detention
quasi development
quasi devil
quasi devotion
quasi diamond
quasi difference
quasi dinner
quasi diplomacy
quasi disadvantage
quasi disappeance
quasi disaster
quasi discipline
quasi discovery
quasi discrimination
quasi disgrace
quasi disgust
quasi dismissal
quasi distress
quasi distribution
quasi diversion
quasi division
quasi dominion
quasi donation
quasi doubt
quasi drama
quasi earnings
quasi easement
quasi economy
quasi education
quasi election
quasi emperor
quasi emphasis
quasi employment
quasi endorsement
quasi enemy
quasi enforcement
quasi engagement
quasi enrollment
quasi entertainment
quasi enthusiasm
quasi envy
quasi error
quasi escape
quasi estimation
quasi evidence
quasi exchange
quasi exclusion
quasi excuse
quasi executive
quasi exertion
quasi exile
quasi expectation
quasi expenditure
quasi expense
quasi experience
quasi expert
quasi explanation
quasi export
quasi exposure
quasi expression
quasi fact
quasi factor
quasi factory
quasi faculty
quasi failure
quasi faith
quasi farewell
quasi farmer
quasi fascination
quasi favor
quasi fee
quasi fiction
quasi flight
quasi force
quasi friend
quasi fulfillment
quasi gem
quasi genius
quasi gentleman
quasi gift
quasi glory
quasi graduate
quasi grief
quasi growth
quasi guarantee
quasi guest
quasi guilt
quasi handicap
quasi hardship
quasi harm
quasi health
quasi heir
quasi help
quasi hero
quasi hesitation
quasi historian
quasi history
quasi holiday
quasi honor
quasi horror
quasi identification
quasi ignorance
quasi illness
quasi import
quasi improvement
quasi incentive
quasi inclination
quasi increase
quasi indifference
quasi inducement
quasi indulgence
quasi inference
quasi information
quasi inheritance
quasi initiation
quasi injury
quasi injustice
quasi innocence
quasi inquiry
quasi insight
quasi inspection
quasi inspiration
quasi installation
quasi institution
quasi instruction
quasi insult
quasi integrity
quasi intention
quasi interest
quasi interference
quasi interview
quasi introduction
quasi invasion
quasi investigation
quasi invitation
quasi invoice
quasi judge
quasi judgment
quasi justice
quasi justification
quasi kindred
quasi king
quasi knowledge
quasi labor
quasi lady
quasi lament
quasi league
quasi legacy
quasi legality
quasi legislation
quasi liability
quasi liberty
quasi limit
quasi literature
quasi loan
quasi lord
quasi loss
quasi luxury
quasi magic
quasi maintenance
quasi majority
quasi management
quasi manager
quasi market
quasi masterpiece
quasi maximum
quasi melancholy
quasi member
quasi memory
quasi mercy
quasi merit
quasi message
quasi payment
quasi penalty
quasi perfection
quasi person
quasi perusal
quasi philosopher
quasi pity
quasi plea
quasi pleasure
quasi pledge
quasi plenty
quasi poem
quasi policy
quasi politician
quasi possession
quasi poverty
quasi power
quasi praise
quasi preference
quasi prejudice
quasi preparation
quasi prepositional
quasi pressure
quasi prestige
quasi prevention
quasi principal
quasi principle
quasi prisoner
quasi privilege
quasi problem
quasi product
quasi profit
quasi progress
quasi prohibition
quasi promise
quasi prophecy
quasi proposal
quasi prosecution
quasi prosperity
quasi protection
quasi provocation
quasi punishment
quasi pupil
quasi purchase
quasi purity
quasi pursuit
quasi qualification
quasi quarantine
quasi quarrel
quasi quotation
quasi reality
quasi realization
quasi reason
quasi rebellion
quasi receipt
quasi recognition
quasi recollection
quasi reconciliation
quasi record
quasi recreation
quasi reduction
quasi reference
quasi refinement
quasi reform
quasi refusal
quasi registration
quasi rejection
quasi relief
quasi religion
quasi remedy
quasi reminder
quasi remittance
quasi remorse
quasi renewal
quasi rent
quasi repair
quasi replacement
quasi reply
quasi report
quasi representative
quasi request
quasi requirement
quasi rescue
quasi residence
quasi resident
quasi resistance
quasi response
quasi restoration
quasi result
quasi retirement
quasi revolution
quasi reward
quasi rival
quasi romance
quasi safety
quasi sagacity
quasi saint
quasi sale
quasi salvation
quasi sanction
quasi sarcasm
quasi satisfaction
quasi savings
quasi scarcity
quasi scholar
quasi science
quasi search
quasi sentence
quasi sentiment
quasi seriousness
quasi service
quasi settlement
quasi severalty
quasi shortage
quasi signature
quasi sincerity
quasi skill
quasi slander
quasi socialist
quasi soldier
quasi solution
quasi sonnet
quasi sovereign
quasi space
quasi specialist
quasi sphere
quasi spirit
quasi sport
quasi standard
quasi starvation
quasi statesman
quasi strike
quasi student
quasi subject
quasi submission
quasi success
quasi suggestion
quasi supervision
quasi support
quasi suppression
quasi sympathy
quasi system
quasi teacher
quasi temperance
quasi testimony
quasi thanks
quasi threat
quasi toleration
quasi tradition
quasi tragedy
quasi translation
quasi trial
quasi triumph
quasi trustee
quasi truth
quasi tyranny
quasi union
quasi unity
quasi university
quasi usufruct
quasi utility
quasi vacation
quasi valuation
quasi value
quasi verdict
quasi victim
quasi victory
quasi vigilance
quasi violation
quasi violence
quasi virtue
quasi vocation
quasi volunteer
quasi wager
quasi war
quasi warrant
quasi weakling
quasi wealth
quasi whisper
quasi wisdom
quasi witness
quasi wonder
quasi worship
quasi zeal
quasi-
quasi-American
quasi-Americanized
quasi-English
quasi-French
quasi-German
quasi-Grecian
quasi-Greek
quasi-Jacobean
quasi-Japanese
quasi-Latin
quasi-Spanish
quasi-absolute
quasi-absolutely
quasi-academic
quasi-academically
quasi-acceptance
quasi-accepted
quasi-accidental
quasi-accidentally
quasi-acquainted
quasi-active
quasi-actively
quasi-adequate
quasi-adequately
quasi-adjusted
quasi-admire
quasi-admired
quasi-admiring
quasi-adopt
quasi-adopted
quasi-adult
quasi-advantageous
quasi-advantageously
quasi-affectionate
quasi-affectionately
quasi-affirmative
quasi-affirmatively
quasi-alternating
quasi-alternatingly
quasi-alternative
quasi-alternatively
quasi-amateurish
quasi-amateurishly
quasi-amiable
quasi-amiably
quasi-amusing
quasi-amusingly
quasi-ancient
quasi-anciently
quasi-angelic
quasi-angelically
quasi-antique
quasi-anxious
quasi-anxiously
quasi-apologetic
quasi-apologetically
quasi-appealing
quasi-appealingly
quasi-appointed
quasi-appropriate
quasi-appropriately
quasi-artistic
quasi-artistically
quasi-aside
quasi-asleep
quasi-athletic
quasi-athletically
quasi-attempt
quasi-audible
quasi-audibly
quasi-authentic
quasi-authentically
quasi-authorized
quasi-automatic
quasi-automatically
quasi-awful
quasi-awfully
quasi-bad
quasi-bankrupt
quasi-basic
quasi-basically
quasi-beneficial
quasi-beneficially
quasi-benevolent
quasi-benevolently
quasi-biographical
quasi-biographically
quasi-blind
quasi-blindly
quasi-brave
quasi-bravely
quasi-brilliant
quasi-brilliantly
quasi-bronze
quasi-brotherly
quasi-calm
quasi-calmly
quasi-candid
quasi-candidly
quasi-capable
quasi-capably
quasi-careful
quasi-carefully
quasi-characteristic
quasi-characteristically
quasi-charitable
quasi-charitably
quasi-cheerful
quasi-cheerfully
quasi-civil
quasi-civilly
quasi-classic
quasi-classically
quasi-clerical
quasi-clerically
quasi-collegiate
quasi-colloquial
quasi-colloquially
quasi-comfortable
quasi-comfortably
quasi-comic
quasi-comical
quasi-comically
quasi-commanding
quasi-commandingly
quasi-commercial
quasi-commercialized
quasi-commercially
quasi-common
quasi-commonly
quasi-compact
quasi-compactly
quasi-competitive
quasi-competitively
quasi-complete
quasi-completely
quasi-complex
quasi-complexly
quasi-compliant
quasi-compliantly
quasi-complimentary
quasi-compound
quasi-comprehensive
quasi-comprehensively
quasi-compromising
quasi-compromisingly
quasi-compulsive
quasi-compulsively
quasi-compulsorily
quasi-compulsory
quasi-confident
quasi-confidential
quasi-confidentially
quasi-confidently
quasi-confining
quasi-conforming
quasi-congenial
quasi-congenially
quasi-congratulatory
quasi-connective
quasi-connectively
quasi-conscientious
quasi-conscientiously
quasi-conscious
quasi-consciously
quasi-consequential
quasi-consequentially
quasi-conservative
quasi-conservatively
quasi-considerate
quasi-considerately
quasi-consistent
quasi-consistently
quasi-consolidated
quasi-constant
quasi-constantly
quasi-constitutional
quasi-constitutionally
quasi-constructed
quasi-constructive
quasi-constructively
quasi-consuming
quasi-content
quasi-contented
quasi-contentedly
quasi-continual
quasi-continually
quasi-continuous
quasi-continuously
quasi-contolled
quasi-contract
quasi-contrarily
quasi-contrary
quasi-contrasted
quasi-controlling
quasi-convenient
quasi-conveniently
quasi-conventional
quasi-conventionally
quasi-converted
quasi-conveyed
quasi-convinced
quasi-cordial
quasi-cordially
quasi-correct
quasi-correctly
quasi-courteous
quasi-courteously
quasi-craftily
quasi-crafty
quasi-criminal
quasi-criminally
quasi-critical
quasi-critically
quasi-cultivated
quasi-cunning
quasi-cunningly
quasi-cynical
quasi-cynically
quasi-damaged
quasi-dangerous
quasi-dangerously
quasi-daring
quasi-daringly
quasi-deaf
quasi-deafening
quasi-deafly
quasi-decorated
quasi-defeated
quasi-defiant
quasi-defiantly
quasi-definite
quasi-definitely
quasi-deify
quasi-dejected
quasi-dejectedly
quasi-deliberate
quasi-deliberately
quasi-delicate
quasi-delicately
quasi-delighted
quasi-delightedly
quasi-demanding
quasi-demandingly
quasi-democratic
quasi-democratically
quasi-dependence
quasi-dependent
quasi-dependently
quasi-depressed
quasi-desolate
quasi-desolately
quasi-desperate
quasi-desperately
quasi-despondent
quasi-despondently
quasi-determine
quasi-devoted
quasi-devotedly
quasi-difficult
quasi-difficultly
quasi-dignified
quasi-dignifying
quasi-diplomatic
quasi-diplomatically
quasi-disadvantageous
quasi-disadvantageously
quasi-disastrous
quasi-disastrously
quasi-discern
quasi-discernibly
quasi-discriminating
quasi-discriminatingly
quasi-disgraced
quasi-disgusted
quasi-disgustedly
quasi-distant
quasi-distantly
quasi-distressed
quasi-diverse
quasi-diversely
quasi-diversified
quasi-divided
quasi-dividedly
quasi-double
quasi-doubly
quasi-doubtful
quasi-doubtfully
quasi-dramatic
quasi-dramatically
quasi-dreadful
quasi-dreadfully
quasi-dumb
quasi-dumbly
quasi-duplicate
quasi-dutiful
quasi-dutifully
quasi-dying
quasi-eager
quasi-eagerly
quasi-economic
quasi-economical
quasi-economically
quasi-educated
quasi-educational
quasi-educationally
quasi-effective
quasi-effectively
quasi-efficient
quasi-efficiently
quasi-elaborate
quasi-elaborately
quasi-elementary
quasi-eligible
quasi-eligibly
quasi-eloquent
quasi-eloquently
quasi-eminent
quasi-eminently
quasi-emotional
quasi-emotionally
quasi-empty
quasi-endless
quasi-endlessly
quasi-energetic
quasi-energetically
quasi-enforced
quasi-engaging
quasi-engagingly
quasi-entertaining
quasi-enthused
quasi-enthusiastic
quasi-enthusiastically
quasi-envious
quasi-enviously
quasi-episcopal
quasi-episcopally
quasi-equal
quasi-equally
quasi-equitable
quasi-equitably
quasi-equivalent
quasi-equivalently
quasi-erotic
quasi-erotically
quasi-essential
quasi-essentially
quasi-established
quasi-eternal
quasi-etrernally
quasi-ethical
quasi-everlasting
quasi-everlastingly
quasi-evil
quasi-evilly
quasi-exact
quasi-exactly
quasi-exceptional
quasi-exceptionally
quasi-excessive
quasi-excessively
quasi-exempt
quasi-exiled
quasi-existent
quasi-expectant
quasi-expectantly
quasi-expedient
quasi-expeditently
quasi-expensive
quasi-expensively
quasi-experienced
quasi-experimental
quasi-experimentally
quasi-explicit
quasi-explicitly
quasi-exposed
quasi-expressed
quasi-external
quasi-externally
quasi-exterritorial
quasi-extraterritorial
quasi-extraterritorially
quasi-extreme
quasi-fabricated
quasi-fair
quasi-fairly
quasi-faithful
quasi-faithfully
quasi-false
quasi-falsely
quasi-familiar
quasi-famously
quasi-fascinated
quasi-fascinating
quasi-fascinatingly
quasi-fashionable
quasi-fashionably
quasifatal
quasi-fatalistic
quasi-fatalistically
quasi-fatally
quasi-favorable
quasi-favorably
quasi-favourable
quasi-favourably
quasi-federal
quasi-federally
quasi-feudal
quasi-feudally
quasi-fictitious
quasi-fictitiously
quasi-final
quasi-financial
quasi-financially
quasi-fireproof
quasi-fiscal
quasi-fiscally
quasi-fit
quasi-foolish
quasi-foolishly
quasi-forced
quasi-foreign
quasi-forgetful
quasi-forgetfully
quasi-forgotten
quasi-formal
quasi-formally
quasi-formidable
quasi-formidably
quasi-fortunate
quasi-fortunately
quasi-frank
quasi-frankly
quasi-fraternal
quasi-fraternally
quasi-free
quasi-freely
quasi-honestly
quasi-honorable
quasi-honorably
quasi-human
quasi-humanistic
quasi-humanly
quasi-humble
quasi-humbly
quasi-humorous
quasi-humorously
quasi-ideal
quasi-idealistic
quasi-ideally
quasi-identical
quasi-identically
quasi-ignorant
quasi-ignorantly
quasi-immediate
quasi-immediately
quasi-immortal
quasi-immortally
quasi-impartial
quasi-impartially
quasi-important
quasi-importantly
quasi-improved
quasi-inclined
quasi-inclusive
quasi-inclusively
quasi-increased
quasi-independent
quasi-independently
quasi-indifferent
quasi-indifferently
quasi-induced
quasi-indulged
quasi-industrial
quasi-industrially
quasi-inevitable
quasi-inevitably
quasi-inferior
quasi-inferred
quasi-infinite
quasi-infinitely
quasi-influential
quasi-influentially
quasi-informal
quasi-informally
quasi-informed
quasi-inherited
quasi-initiated
quasi-injured
quasi-injurious
quasi-injuriously
quasi-innocent
quasi-innocently
quasi-innumerable
quasi-innumerably
quasi-insistent
quasi-insistently
quasi-inspected
quasi-inspirational
quasi-installed
quasi-instructed
quasi-insulted
quasi-intellectual
quasi-intellectually
quasi-intelligent
quasi-intelligently
quasi-intended
quasi-interested
quasi-interestedly
quasi-internal
quasi-internalized
quasi-internally
quasi-internationally
quasi-interviewed
quasi-intimate
quasi-intimated
quasi-intimately
quasi-intolerable
quasi-intolerably
quasi-intolerant
quasi-intolerantly
quasi-introduced
quasi-intuitive
quasi-intuitively
quasi-invaded
quasi-investigated
quasi-invisible
quasi-invisibly
quasi-invited
quasi-irregular
quasi-irregularly
quasi-jocose
quasi-jocosely
quasi-jocund
quasi-jocundly
quasi-jointly
quasi-judicial
quasi-kind
quasi-kindly
quasi-knowledgeable
quasi-knowledgeably
quasi-laborious
quasi-laboriously
quasi-lamented
quasi-lawful
quasi-lawfully
quasi-legal
quasi-legally
quasi-legendary
quasi-legislated
quasi-legislative
quasi-legislatively
quasi-legitimate
quasi-legitimately
quasi-liberal
quasi-liberally
quasi-literary
quasi-living
quasi-logical
quasi-logically
quasi-loyal
quasi-loyally
quasi-luxurious
quasi-luxuriously
quasi-mad
quasi-madly
quasi-magic
quasi-magical
quasi-magically
quasi-malicious
quasi-maliciously
quasi-managed
quasi-managerial
quasi-managerially
quasi-marble
quasi-material
quasi-materially
quasi-maternal
quasi-maternally
quasi-mechanical
quasi-mechanically
quasi-medical
quasi-medically
quasi-medieval
quasi-mentally
quasi-mercantile
quasi-metaphysical
quasi-metaphysically
quasi-methodical
quasi-methodically
quasi-mighty
quasi-militaristic
quasi-militaristically
quasi-military
quasi-ministerial
quasi-miraculous
quasi-miraculously
quasi-miserable
quasi-miserably
quasi-modern
quasi-modest
quasi-modestly
quasi-moral
quasi-moralistic
quasi-moralistically
quasi-morally
quasi-mourning
quasi-municipal
quasi-municipally
quasi-musical
quasi-musically
quasi-mutual
quasi-mutually
quasi-mysterious
quasi-mysteriously
quasi-mythical
quasi-mythically
quasi-nameless
quasi-national
quasi-nationalistic
quasi-nationally
quasi-native
quasi-natural
quasi-naturally
quasi-nebulous
quasi-nebulously
quasi-necessary
quasi-negative
quasi-negatively
quasi-neglected
quasi-negligent
quasi-negligible
quasi-negligibly
quasi-neutral
quasi-neutrally
quasi-new
quasi-newly
quasi-normal
quasi-normally
quasi-notarial
quasi-nuptial
quasi-obedient
quasi-obediently
quasi-objective
quasi-objectively
quasi-obligated
quasi-observed
quasi-offensive
quasi-offensively
quasi-official
quasi-officially
quasi-opposed
quasi-ordinary
quasi-organic
quasi-organically
quasi-oriental
quasi-orientally
quasi-original
quasi-originally
quasi-partisan
quasi-passive
quasi-passively
quasi-pathetic
quasi-pathetically
quasi-patient
quasi-patiently
quasi-patriarchal
quasi-patriotic
quasi-patriotically
quasi-patronizing
quasi-patronizingly
quasi-peaceful
quasi-peacefully
quasi-perfect
quasi-perfectly
quasi-periodic
quasi-periodically
quasi-permanent
quasi-permanently
quasi-perpetual
quasi-perpetually
quasi-personable
quasi-personably
quasi-personal
quasi-personally
quasi-perusable
quasi-philosophical
quasi-philosophically
quasi-physical
quasi-physically
quasi-pious
quasi-piously
quasi-plausible
quasi-pleasurably
quasi-plentiful
quasi-plentifully
quasi-poetic
quasi-poetical
quasi-poetically
quasi-politic
quasi-political
quasi-politically
quasi-poor
quasi-poorly
quasi-popular
quasi-popularly
quasi-positive
quasi-positively
quasi-powerful
quasi-powerfully
quasi-practical
quasi-practically
quasi-precedent
quasi-preferential
quasi-preferentially
quasi-prejudiced
quasi-prepositional
quasi-prepositionally
quasi-prevented
quasi-private
quasi-privately
quasi-privileged
quasi-probable
quasi-probably
quasi-problematic
quasi-productive
quasi-productively
quasi-progressive
quasi-progressively
quasi-promised
quasi-prompt
quasi-promptly
quasi-proof
quasi-prophetic
quasi-prophetical
quasi-prophetically
quasi-prosecuted
quasi-prosperous
quasi-prosperously
quasi-protected
quasi-proud
quasi-proudly
quasi-provincial
quasi-provincially
quasi-provocative
quasi-provocatively
quasi-public
quasi-publicly
quasi-punished
quasi-pupillary
quasi-purchased
quasi-qualified
quasi-radical
quasi-radically
quasi-rational
quasi-rationally
quasi-realistic
quasi-realistically
quasi-reasonable
quasi-reasonably
quasi-rebellious
quasi-rebelliously
quasi-recent
quasi-recently
quasi-recognized
quasi-reconciled
quasi-reduced
quasi-refined
quasi-reformed
quasi-refused
quasi-registered
quasi-regular
quasi-regularly
quasi-regulated
quasi-rejected
quasi-reliable
quasi-reliably
quasi-relieved
quasi-religious
quasi-religiously
quasi-remarkable
quasi-remarkably
quasi-renewed
quasi-repaired
quasi-replaced
quasi-reported
quasi-represented
quasi-republican
quasi-required
quasi-rescued
quasi-residential
quasi-residentially
quasi-resisted
quasi-respectable
quasi-respectably
quasi-respected
quasi-respectful
quasi-respectfully
quasi-responsible
quasi-responsibly
quasi-responsive
quasi-responsively
quasi-restored
quasi-retired
quasi-revolutionized
quasi-rewarding
quasi-ridiculous
quasi-ridiculously
quasi-righteous
quasi-righteously
quasi-romantic
quasi-romantically
quasi-royal
quasi-royally
quasi-rural
quasi-rurally
quasi-sad
quasi-sadly
quasi-safe
quasi-safely
quasi-sagacious
quasi-sagaciously
quasi-saintly
quasi-sanctioned
quasi-sanguine
quasi-sanguinely
quasi-sarcastic
quasi-sarcastically
quasi-satirical
quasi-satirically
quasi-satisfied
quasi-savage
quasi-savagely
quasi-scholarly
quasi-scholastic
quasi-scholastically
quasi-scientific
quasi-scientifically
quasi-secret
quasi-secretive
quasi-secretively
quasi-secretly
quasi-secure
quasi-securely
quasi-sentimental
quasi-sentimentally
quasi-serious
quasi-seriously
quasi-settled
quasi-similar
quasi-similarly
quasi-sincere
quasi-sincerely
quasi-single
quasi-singly
quasi-skillful
quasi-skillfully
quasi-slanderous
quasi-slanderously
quasi-sober
quasi-soberly
quasi-socialistic
quasi-socialistically
quasi-sovereign
quasi-spatial
quasi-spatially
quasi-spherical
quasi-spherically
quasi-spirited
quasi-spiritedly
quasi-spiritual
quasi-spiritually
quasi-standardized
quasi-stationary
quasi-stellar object
quasi-stellar radio source
quasi-strenuous
quasi-strenuously
quasi-studious
quasi-studiously
quasi-stylish
quasi-stylishly
quasi-subjective
quasi-subjectively
quasi-submissive
quasi-submissively
quasi-successful
quasi-successfully
quasi-sufficient
quasi-sufficiently
quasi-superficial
quasi-superficially
quasi-superior
quasi-supervised
quasi-supported
quasi-suppressed
quasi-sympathetic
quasi-sympathetically
quasi-systematic
quasi-systematically
quasi-systematized
quasi-tangent
quasi-tangible
quasi-tangibly
quasi-technical
quasi-technically
quasi-temporal
quasi-temporally
quasi-territorial
quasi-territorially
quasi-testamentary
quasi-theatrical
quasi-theatrically
quasi-thorough
quasi-thoroughly
quasi-tolerant
quasi-tolerantly
quasi-total
quasi-totally
quasi-traditional
quasi-traditionally
quasi-tragic
quasi-tragically
quasi-tribal
quasi-tribally
quasi-truthful
quasi-truthfully
quasi-typical
quasi-typically
quasi-tyrannical
quasi-tyrannically
quasi-ultimate
quasi-unanimous
quasi-unanimously
quasi-unconscious
quasi-unconsciously
quasi-unified
quasi-universal
quasi-universally
quasi-uplift
quasi-utilized
quasi-valid
quasi-validly
quasi-valued
quasi-venerable
quasi-venerably
quasi-victorious
quasi-victoriously
quasi-violated
quasi-violent
quasi-violently
quasi-virtuous
quasi-virtuously
quasi-vital
quasi-vitally
quasi-vocational
quasi-vocationally
quasi-warfare
quasi-warranted
quasi-wealthy
quasi-whispered
quasi-wicked
quasi-wickedly
quasi-willing
quasi-willingly
quasi-wrong
quasi-young
quasi-zealous
quasi-zealously
quater-centenary
quaternary ammonium compound
quaternary ammonium salt
quaternian algebra
quaternion algebra
quaternion unit
quatre point
quatre premiers
quay punt
que sera sera
quean-cat
queen anne
queen anne's lace
queen bee
queen blue
queen bolt
queen butterfly
queen cactus
queen cage
queen cat
queen cattleya
queen cell
queen closer
queen conch
queen consort
queen dowager
queen excluder
queen fern
queen fritter
queen gold
queen mother
queen note
queen of heaven
queen of night
queen of puddings
queen of the meadow
queen of the prairie
queen olive
queen palm
queen post
queen regent
queen regnant
queen rod
queen shell
queen snake
queen staysail
queen stitch
queen substance
queen truss
queen's English
queen's birthday
queen's counsel
queen's evidence
queen's highway
queen's scout
queen's shilling
queen's ware
queen's wreath
queen-mother
queen-of-the-meadow
queen-of-the-prairie
queen-post
queen-post truss
queen-size bed
queens-ware
queer cuffin
queer duck
queer fish
queer in the head
queer potato
queer specimen
queer street
queer the works
queer-bashing
queer-eyed
queer-faced
queer-headed
queer-legged
queer-looking
queer-made
queer-notioned
queer-shaped
queer-spirited
queer-tempered
queerqueer cuffin
queez-madam
quelque chose
quench hook
quenching bath
quenouille training
quercitron lake
quercitron oak
querulous person
query mark
quest after
question at issue
question before the house
question in your mind
question mark
question master
question of fact
question of law
question stop
question time
question-and-answer session
question-begging
question-mark
quetzal bird
queue up
queuing theory
qui s'excuse s'accuse
qui tam
qui transtulit sustinet
qui vive
qui-hi
qui-hy
quia-quia
quick as a wink
quick as lightning
quick as thought
quick assets
quick bread
quick ear
quick exit
quick fire
quick freezing
quick grass
quick hunch
quick inspection
quick kick
quick look
quick march
quick on the draw
quick on the trigger
quick on the uptake
quick one
quick parts
quick pull
quick sight
quick sighted
quick step
quick stick
quick temper
quick thinking
quick time
quick to take offense
quick trick
quick water
quick wit
quick-acting
quick-break switch
quick-burning
quick-change
quick-change artist
quick-coming
quick-compounded
quick-conceiving
quick-decaying
quick-designing
quick-devouring
quick-drawn
quick-eared
quick-fading
quick-falling
quick-fire
quick-firer
quick-firing
quick-flowing
quick-freeze
quick-freezer
quick-freezing
quick-froze
quick-frozen
quick-glancing
quick-gone
quick-growing
quick-guiding
quick-gushing
quick-handed
quick-laboring
quick-lunch
quick-lunch counter
quick-minded
quick-moving
quick-nosed
quick-paced
quick-piercing
quick-questioning
quick-raised
quick-returning
quick-rolling
quick-running
quick-saver
quick-scented
quick-scenting
quick-selling
quick-setting
quick-shifting
quick-shutting
quick-sighted
quick-sightedness
quick-speaking
quick-spirited
quick-spouting
quick-stepping
quick-talking
quick-tempered
quick-thinking
quick-thoughted
quick-thriving
quick-voiced
quick-winged
quick-witted
quick-wittedly
quick-wittedness
quick-wrought
quicken tree
quicken your pace
quickening grass
quickie strike
quickness to take offense
quickset hedge
quicksilver weed
quickstep march
quicumque vult
quid pro quo
quid pro quos
quids pro quo
quiet as a mouse
quiet as a street at night
quiet day
quiet death
quiet down
quiet ecstasy
quiet end
quiet good manners
quiet hour
quiet life
quiet mind
quiet please
quiet pleasure
quiet spell
quiet taste
quiet-colored
quiet-dispositioned
quiet-eyed
quiet-going
quiet-living
quiet-looking
quiet-mannered
quiet-minded
quiet-moving
quiet-patterned
quiet-seeming
quiet-spoken
quiet-tempered
quietistic painting
quill bark
quill bit
quill drive
quill driver
quill driving
quill fern
quill fly
quill gear
quill nib
quill pen
quill pig
quill worts
quill-less
quill-like
quill-tailed
quillai bark
quillback carpsucker
quilting bee
quilting cotton
quit-rent
quitch grass
quitclaim deed
quite a
quite a few
quite a little
quite a thing
quite another thing
quite rather
quite so
quite some
quite the contrary
quite the lady
quitter bone
quiver along the spine
quiver leg
quiver like a rabbit
quiver of terror
quiver tree
quixotic ideal
quiz kid
quiz show
quizzing glass
quizzing-glass
quo warranto
quoad hoc
quobosque-weed
quod erat demonstrandum
quod erat faciendum
quod vide
quoddy boat
quoin post
quota immigrant
quota system
quotation board
quotation book
quotation mark
quotation marks
quotation noun
quote a price
quote chapter and verse
quote mark
quote out of context
quote yourself
quoted price
quotient group
quotient ring
quotient space
quotient verdict
r color
r-RNA
r-colour
r-less
rKET
rabbet draft
rabbet joint
rabbet plane
rabbet plank
rabbet-shaped
rabbinic hebrew
rabbit bandicoot
rabbit berry
rabbit breeder
rabbit brush
rabbit cat
rabbit ears
rabbit fev
rabbit fever
rabbit fish
rabbit flower
rabbit foot
rabbit louse
rabbit moth
rabbit punch
rabbit squirrel
rabbit stick
rabbit tick
rabbit tobacco
rabbit warren
rabbit's foot
rabbit's-foot
rabbit's-foot clover
rabbit-backed
rabbit-chasing
rabbit-ear
rabbit-ear faucet
rabbit-eared
rabbit-faced
rabbit-foot
rabbit-foot clover
rabbit-foot grass
rabbit-meat
rabbit-mouthed
rabbit-proof fence
rabbit-shouldered
rabbit-tail grass
rabbitskin glue
rabble rout
rabble-charming
rabble-chosen
rabble-courting
rabble-curbing
rabble-rouse
rabble-roused
rabble-rousing
raccon dog
raccoon dog
raccoon fox
raccoon grape
raccoon oyster
raccoon perch
race against time
race board
race boat
race car
race card
race cloth
race cup
race extermination
race glass
race ground
race hatred
race horse
race horses
race knife
race meeting
race memory
race of man
race off
race plate
race prejudice
race problem
race psychology
race relations
race riot
race rotation
race runner
race snobbery
race stand
race suicide
race through the mind
race tool
race track
race week
race with
race with time
race your motor
race-begotten
race-course
race-horse
race-maintaining
race-murder
race-riding
race-running
race-track
race-wide
race-winning
racehorse grass
racemic acid
racemo-
racemose gland
rachi-
racial discrimination
racial immunity
racial memory
racial segregation
racial unconscious
racing car
racing crab
racing flag
racing form
racing gig
racing glass
racing iron
racing plate
racing saddle
racing shell
racing skate
racing skiff
racing stream
racing yacht
rack back
rack bar
rack block
rack car
rack clock
rack comb
rack locomotive
rack pillar
rack pin
rack punch
rack rail
rack railway
rack rent
rack saw
rack the rents
rack up
rack up the rents
rack wheel
rack your brains
rack-and-pinion
rack-and-pinion railroad
rack-and-pinion railway
rack-rent
rack-renter
rack-stick
racket court
racket press
racket wheel
racket-tail
rackets, the
racomo-oxalic
radar antenna
radar application
radar astronomer
radar astronomy
radar beacon
radar beacon buoy
radar bombsight
radar controls
radar countermeasure
radar defenses
radar dome
radar engineer
radar fence
radar highway patrol
radar interference
radar marked beacon
radar nacelle
radar navigation
radar nose
radar operation
radar parts
radar picket plane
radar pulse
radar reflector
radar scanner
radar screen
radar signal
radar speed meter
radar station
radar technician
radar telescope
radar tracking station
radar trap
radar-telephone relay
radial engine
radial motion
radial saw
radial symmetry
radial tire
radial triangulation
radial tyre
radial velocity
radial-flow turbine
radial-ply
radiant efficiency
radiant emittance
radiant energy
radiant exitance
radiant flux
radiant heat
radiant heater
radiant heating
radiant intensity
radiant point
radiant splendor
radiant-heat brooder
radiate cheer
radiate heat
radiate-veined
radiation atom
radiation belt
radiation counter
radiation counters and chambers
radiation fog
radiation pattern
radiation physicist
radiation physics
radiation potential
radiation pressure
radiation pyrometer
radiation sickness
radiation therapy
radiato-
radiato-undulate
radiator cap
radiator casing
radiator compound
radiator core
radiator foot
radiator gauge
radiator grille
radiator maker
radiator making
radiator tank
radiator valve
radical axis
radical change
radical chic
radical empiricism
radical empiricist
radical expression
radical operation
radical reform
radical right
radical rightism
radical sign
radical therapy
radius-
radio aerial
radio altimeter
radio amateur
radio antenna
radio astronomer
radio astronomy
radio audience
radio beacon
radio beam
radio bearing
radio broadcast
radio broadcasting
radio car
radio channel
radio circuit
radio communication
radio compass
radio compass station
radio control
radio detection and ranging
radio direction finder
radio drama
radio electrician
radio electronics
radio engineer
radio engineering
radio fare
radio field intensity
radio frequency
radio horizon
radio interference
radio interferometer
radio knife
radio link
radio links
radio listener
radio marker
radio mast
radio mirror
radio navigation
radio observatory
radio operator
radio play
radio program
radio proximity fuze
radio range
radio range beacon
radio range station
radio receiver
radio reception
radio relay station
radio room
radio set
radio shack
radio show
radio signal
radio source
radio spectator
radio spectrum
radio star
radio station
radio technician
radio telescope
radio transmission
radio transmitter
radio tube
radio tubes
radio units
radio valve
radio wave
radio window
radio-
radio-active
radio-controlled lifeboat
radio-frequency
radio-frequency amplification
radio-frequency amplifier
radio-frequency circuit
radio-frequency echoes
radio-frequency heater
radio-frequency pulse
radio-frequency signal
radio-frequency stage
radio-frequency tube
radio-iodine
radio-navigational trainer
radio-phonograph
radio-phonograph combination
radio-record player
radio-ulna
radio-ular
radioactive decay
radioactive dust
radioactive element
radioactive elements
radioactive emanation
radioactive fallout
radioactive isotope
radioactive particle
radioactive radiation
radioactive series
radioactive substance
radioactive unit
radioactive units
radioactive waste
radiocarbon dating
radiological physics
radiosonde balloon
radiotelephone transmitter
radiotherapeutic substance
radiotherapeutic treatment
radish tree
radium B
radium bath
radium dial
radium emanation
radium lead
radium miner
radium paint
radium therapy
radium vermilion
radium-proof
radius bar
radius gauge
radius of action
radius of convergence
radius of curvature
radius of gyration
radius rod
radius trowel
radius vector
radius vectors
radix graminis
radix point
radon seed
raffia palm
raffle off
raffle wheel
raft body
raft dog
raft duck
raft ice
raft of money
raft port
rafted ice
rafter dam
rafter table
rag baby
rag bag
rag beater
rag bleacher
rag board
rag bolt
rag bush
rag carpet
rag chopper
rag dealer
rag doll
rag engine
rag fair
rag felt
rag gourd
rag lining
rag money
rag mop
rag offering
rag out
rag paper
rag peddler
rag pulp
rag rug
rag shop
rag stock
rag trade
rag tree
rag up
rag well
rag wheel
rag wool
rag work
rag-and-bone man
rag-and-chain pump
rag-bag
rag-bailing
rag-beating
rag-boiling
rag-bolt
rag-burn
rag-chew
rag-cutting
rag-fair
rag-made
rag-tag
rag-threshing
rag-time
rag-wheel
rage-crazed
rage-filled
rage-infuriate
rage-subduing
rage-swelling
rage-transported
ragged edge
ragged robin
ragged school
ragged staff
raggle block
raggle-taggle
raging fire
raging passion
raglan sleeve
ragman roll
ragman rolls
ragsorter's disease
ragtag and bobtail
ragtime band
ragtime music
rain pitchforks
rain print
rain rot
rain shadow
rain shower
rain spot
rain suit
rain tadpoles
rain tree
rain water
rain wind rose
rain-awakened
rain-bearing
rain-beat
rain-beaten
rain-bird
rain-bitten
rain-bleared
rain-blue
rain-bright
rain-damped
rain-drenched
rain-driven
rain-dropping
rain-fowl
rain-fraught
rain-god
rain-gutted
rain-scented
rain-soaked
rain-sodden
rain-soft
rain-streaked
rain-swept
rain-threatening
rain-washed
rain-water
rain-water fish
rainbow bird
rainbow cactus
rainbow chaser
rainbow chasing
rainbow cordial
rainbow darter
rainbow fish
rainbow herring
rainbow moss
rainbow parrotfish
rainbow perch
rainbow runner
rainbow seaperch
rainbow snake
rainbow trout
rainbow-arched
rainbow-clad
rainbow-colored
rainbow-edged
rainbow-girded
rainbow-hued
rainbow-large
rainbow-painted
rainbow-sided
rainbow-skirted
rainbow-tinted
rainbow-winged
rainette green
rainwater pipe
rainy day
rainy season
rainy weather
raise Cain
raise Ned
raise a clamor
raise a cry
raise a din
raise a hand against
raise a howl
raise a hue and cry
raise a hue and cry against
raise a hullabaloo
raise a laugh
raise a question
raise a ruckus
raise a rumpus
raise a siege
raise a smile
raise a storm
raise aloft
raise an alarm
raise apprehensions
raise expectation
raise expectations
raise from the dead
raise ghosts
raise hell
raise hob
raise hob with
raise hope
raise merry hell
raise money
raise objections
raise sand
raise the curtain
raise the deuce
raise the devil
raise the dickens
raise the drawbridge
raise the elbow
raise the hue and cry
raise the hunt
raise the roof
raise the spirits
raise the temperature
raise to a fever heat
raise to a fever pitch
raise to more than one
raise up
raise up the voice
raise your choler
raise your dander
raise your eyebrows
raise your gorge
raise your hackles
raise your hand against
raise your hopes
raise your pay
raise your voice
raise your voice against
raised beach
raised doughnut
raised girt
raised in a barn
raised quarter-deck
raisin black
raisin bread
raisin grape
raisin purple
raisin tree
raisin wine
raisin-colored
raising bee
raising hammer
raising of temperature
raising plate
raising-piece
raison d'etat
raison d'etre
raison d'tre
raj-kumari
rake in
rake out
rake over the coals
rake up
rake up the past
rake vein
rake-hell
rake-off
rake-teeth
raked bow
raker tooth
raking bond
raking cornice
raking course
raking fire
raking over the coals
raking shore
raking-down
raking-over
ralli-car
rally around
rally round
rallying cry
rallying device
rallying point
rallying theme
ram bow
ram cat
ram down
ram down your throat
ram effect
ram in
ram leather
ram pressure
ram rocket
ram schooner
ram's horn
ram's-head lady's-slipper
ram's-horn
ram-air turbine
ram-cat
ram-headed
ram-jam
ram-jet engine
ram-jet propulsion
ram-line
ram-rod
ramage hawk
ramble on
ramble-scramble
ramjet engine
rammed earth
ramp along
ramp valley
rampant arch
rampant will
ramper eel
ramrod-stiff
ran-tan
ranch company
ranch country
ranch economics
ranch hand
ranch house
ranch life
ranch owner
ranch rider
ranch wagon
rand machine
randall grass
random access
random access memory
random bond
random data
random line
random motion
random point
random sample
random sampling
random shot
random-jointed
range angle
range finder
range finding
range grass
range horse
range itself
range light
range line
range mark
range marker
range masonry
range of accommodation
range of meaning
range of view
range of vision
range out
range over
range paralysis
range pole
range rake
range rider
range stove
range table
range the coast
range the world
range through
range with
range wool
range yourself on the side of
range yourself with
range-bred
range-marker generator
range-sweep amplifier
range-sweep generator
ranging pole
rank and file
rank beneath
rank first
rank high
rank low
rank out
rank under
rank-and-filer
rank-brained
rank-feeding
rank-growing
rank-grown
rank-minded
rank-out
rank-scented
rank-scenting
rank-smelling
rank-springing
rank-swelling
rank-tasting
rank-winged
ranking bar
ranking jumper
rankle in the breast
ransack your brains
ransom bill
ransom bond
rant and rave
rantum-scantum
ranz-des-vaches
rap full
rap on the knuckles
rap out an oath
rap session
rap sheet
rap shot
rap-full
rape butterfly
rape oil
rape wine
rapeseed oil
rapid eye movement
rapid fire
rapid glance
rapid recurrence
rapid slope
rapid succession
rapid transit
rapid-changing
rapid-fire
rapid-fire mount
rapid-firer
rapid-firing
rapid-flowing
rapid-flying
rapid-footed
rapid-mannered
rapid-passing
rapid-running
rapid-speaking
rapid-transit
rapier-like
rapier-proof
rapper-dandies
rapt attention
rapt away
rapt full
rapt in wonder
rapture-bound
rapture-breathing
rapture-bursting
rapture-giving
rapture-moving
rapture-ravished
rapture-rising
rapture-smitten
rapture-speaking
rapture-touched
rapture-trembling
rapture-wrought
rara avis
rare bird
rare book
rare earth
rare gas
rare good humor
rare metals
rare-bred
rare-earth element
rare-earth elements
rare-earth metal
rare-earth metals
rare-featured
rare-felt
rare-gifted
rare-painted
rare-qualified
rare-ripe
rare-seen
rare-shaped
raree show
raree-show
rarin' to go
raring to
rascally knave
rash conviction
rash impulse
rash-brain
rash-brained
rash-conceived
rash-embraced
rash-headed
rash-hearted
rash-levied
rash-minded
rash-pledged
rash-running
rash-spoken
rash-thoughted
rasher of bacon
rasing iron
rasing knife
rasp grass
rasp house
rasp palm
rasp pod
raspberry apple
raspberry beetle
raspberry bug
raspberry curl
raspberry mosaic
raspberry red
raspberry root borer
raspberry root rot
raspberry sawfly
raspberry wine
raspberry yellows
raspberry-jam
rasphead rockfish
rat cheese
rat claw foot
rat flea
rat goose
rat hare
rat kangaroo
rat mite
rat mole
rat pineapple
rat poison
rat race
rat rhyme
rat snake
rat stop
rat tail
rat terrier
rat unit
rat's nest
rat's-tail
rat-a-tat
rat-bite fever
rat-catcher
rat-colored
rat-deserted
rat-eyed
rat-faced
rat-gnawn
rat-infested
rat-inhabited
rat-kangaroo
rat-kangaroos
rat-killing
rat-lin
rat-ridden
rat-riddled
rat-skin
rat-stripper
rat-tail
rat-tail cactus
rat-tail file
rat-tail spoon
rat-tailed
rat-tailed maggot
rat-tat
rat-tat-tat
rat-tattle
rat-tight
rat-trap
ratable value
ratafia biscuit
ratatat-tat
ratbite disease
ratbite fever
ratchet brace
ratchet chain
ratchet clock
ratchet coupling
ratchet crank
ratchet drill
ratchet jack
ratchet stop
ratchet thread
ratchet tooth
ratchet wheel
ratchet-toothed
rate action
rate base
rate cap
rate determination
rate highly
rate low
rate maker
rate making
rate of exchange
rate of interest
rattlesnake flag
rattlesnake grass
rattlesnake leaf
rattlesnake master
rattlesnake plantain
rattlesnake root
rattlesnake weed
rattlesnake-bite
rattlety-bang
rattling pace
rattrap pedal
raucous happiness
raus mit dir
ravage with fire and sword
ravaged with age
ravages of time
rave about
rave against
rave hook
rave-up
ravel bread
ravel out
raven black
raven cockatoo
raven gray
raven standard
raven-black
raven-colored
raven-feathered
raven-haired
raven-plumed
raven-toned
raven-torn
raven-tressed
ravigote sauce
ravine deer
raving beauty
raving lunatic
raving mad
ravished away
ravison oil
raw comedy
raw data
raw deal
raw fibers
raw glaze
raw material
raw milk
raw nerve
raw nerves
raw recruit
raw score
raw sienna
raw silk
raw umber
raw vegetables
raw weather
raw wind
raw, the
raw-bone
raw-boned
raw-colored
raw-devouring
raw-edged
raw-faced
raw-handed
raw-head
raw-headed
raw-looking
raw-mouthed
raw-nosed
raw-pack method
raw-ribbed
raw-striped
raw-wool
ray filter
ray floret
ray flower
ray fungus
ray grass
ray gun
ray of hope
ray of light
ray of sunshine
ray pod
ray therapy
ray-fringed
ray-gilt
ray-girt
ray-grass
ray-illumined
ray-lit
ray-strewn
rayless goldenrod
rayon casheen
rayon stockings
raze to the dust
raze to the ground
razee plane
razon bomb
razor blade
razor clam
razor fish
razor grass
razor saw
razor shell
razor stone
razor strap
razor temper
razor-back
razor-backed
razor-bill
razor-billed
razor-billed auk
razor-bladed
razor-bowed
razor-cut
razor-edge
razor-edged
razor-fish
razor-grinder
razor-keen
razor-leaved
razor-shaped
razor-sharp
razor-sharpening
razor-shell
razor-tongued
razor-weaponed
razor-witted
razzle-dazzle
re-
re-act
re-ally
re-book
re-buff
re-cede
re-claim
re-co-operate
re-co-operation
re-cognition
re-cognitional
re-coil
re-coilre-collect
re-collect
re-collection
re-commend
re-cord
re-count
re-cover
re-create
re-created
re-creating
re-creation
re-creative
re-creator
re-derive
re-desert
re-do
re-dress
re-earn
re-ebullient
re-echo
re-edificate
re-edification
re-edifier
re-edify
re-edit
re-educate
re-education
re-educative
re-effeminate
re-egg
re-ejaculate
re-eject
re-ejection
re-ejectment
re-elaborate
re-elaboration
re-elect
re-election
re-elevate
re-elevation
re-eligibility
re-eligible
re-eliminate
re-elimination
re-emanate
re-embark
re-embarkation
re-embarrass
re-embarrassment
re-embattle
re-embed
re-embellish
re-embodiment
re-embody
re-embosom
re-embrace
re-embracement
re-embroil
re-emerge
re-emergence
re-emergent
re-emersion
re-emigrant
re-emigrate
re-emigration
re-emission
re-emit
re-emphasis
re-emphasize
re-employ
re-employment
re-empower
re-empty
re-emulsify
re-enable
re-enact
re-enaction
re-enactment
re-enamel
re-enamor
re-enamour
re-enchain
re-enclose
re-enclosure
re-encounter
re-encourage
re-encouragement
re-endear
re-endearment
re-ender
re-endorse
re-endorsement
re-endow
re-endowment
re-energize
re-enfeoff
re-enfeoffment
re-enforce
re-enforcement
re-enforcer
re-enfranchise
re-enfranchisement
re-engage
re-engagement
re-engender
re-engenderer
re-engine
re-engraft
re-engrave
re-engraving
re-engross
re-enhearten
re-enjoin
re-enjoy
re-enjoyment
re-enkindle
re-enlarge
re-enlargement
re-enlighten
re-enlightenment
re-enlist
re-enlister
re-enlistment
re-enliven
re-ennoble
re-enroll
re-enrollment
re-enshrine
re-enslave
re-enslavement
re-ensphere
re-enter
re-entering
re-entering angle
re-entertain
re-entertainment
re-enthral
re-enthrone
re-enthronement
re-enthronize
re-entice
re-entitle
re-entoil
re-entomb
re-entrain
re-entrance
re-entrancy
re-entrant
re-entrant angle
re-entrenchment
re-entry
re-entry card
re.enumerate
re.enumeration
re.enunciate
re.enunciation
re.epitomize
re.equilibrate
re.equilibration
re.equip
re.equipment
re.erecet
re.erection
re.escape
re.escort
re.espousal
re.espouse
re.essay
re.establish
re.establisher
re.establishment
re.esteeem
re.estimate
re.estimation
re.etch
re.etcher
re.evacuate
re.evacuation
re.evade
re.evaluate
re.evaluation
re.evaporate
re.evaporation
re.evasion
re.evoke
re.evolution
re.exalt
re.examinable
re.examination
re.examine
re.examiner
re.excavate
re.excavation
re-excel
re-exchange
re-excitation
re-excite
re-exclude
re-exclusion
re-execute
re-exemption
re-exercise
re-exert
re-exertion
re-exhale
re-exhaust
re-exhibit
re-exhibition
re-exhilarate
re-exhilaration
re-exist
re-existence
re-existent
re-expand
re-expansion
re-expect
re-expectation
re-expedite
re-expedition
re-expel
re-experience
re-experiment
re-explain
re-explanation
re-export
re-exportation
re-exporter
re-expose
re-exposure
re-expound
re-express
re-expression
re-expulsion
re-extend
re-extension
re-extent
re-extract
re-extraction
re-form
re-formation
re-formative
re-former
re-fund
re-genesis
re-ice
re-ink
re-laid
re-lay
re-laying
re-lease
re-leased
re-leasing
re-mark
re-pose
re-posed
re-posing
re-present
re-presentation
re-presentment
re-press
re-proof
re-prove
re-proved
re-proven
re-proving
re-reaction
re-rebel
re-receive
re-reception
re-recital
re-recite
re-reckon
re-recognition
re-recognize
re-recollect
re-recollection
re-recommend
re-recommendation
re-reconcile
re-reconciliation
re-record
re-recover
re-rectification
re-rectify
re-reduce
re-reduction
re-refer
re-refine
re-reflect
re-reflection
re-reform
re-reformation
re-refusal
re-refuse
re-regenerate
re-regeneration
re-rehearsal
re-rehearse
re-reiterate
re-reiteration
re-reject
re-rejection
re-rejoinder
re-relate
re-relation
re-release
re-relish
re-rely
re-remember
re-remind
re-remit
re-removal
re-remove
re-rendition
re-repair
re-repeat
re-repent
re-replevin
re-reply
re-report
re-represent
re-representation
re-reproach
re-request
re-require
re-requirement
re-rescue
re-resent
re-resentment
re-reservation
re-reserve
re-reside
re-residence
re-resign
re-resignation
re-resolution
re-resolve
re-respond
re-response
re-restitution
re-restoration
re-restore
re-restrain
re-restraint
re-restriction
re-retire
re-retirement
re-return
re-reveal
re-revealation
re-revenge
re-reversal
re-reverse
re-revise
re-revision
re-search
re-serve
re-sign
re-soluble
re-solution
re-sort
re-sorter
re-sound
re-store
re-strain
re-trace
re-traced
re-tracing
re-tread
re-treader
re-treat
re-treatment
re-trench
re-try
re-turn
re-up
re-use
reach a better land
reach a better life
reach a better place
reach a better world
reach a compromise
reach a new low
reach a parting of the ways
reach boat
reach boiling point
reach its season
reach land
reach manhood
reach maturity
reach of mind
reach orgasm
reach out
reach perfection
reach rod
reach safety
reach the age of consent
reach the breaking point
reach the depths
reach the ear
reach the ear of
reach the snapping point
reach to
reach twenty-one
reach voting age
reach womanhood
reach your destination
reach your ears
reach your goal
reach your majority
reach your nostrils
reach-me-down
reach-me-downs
reacher-in
reaching foresail
reaching high
reaching jib
reaching post
react chemically
reactance coil
reactance drop
reaction border
reaction engine
reaction formation
reaction locus
reaction machine
reaction motor
reaction propulsion
reaction rim
reaction ring
reaction time
reaction turbine
reaction wheel
reaction-proof
reactive current
reactive inflammation
reactive neurosis
reactive psychosis
reactor engine
reactor pile
read a lecture
read a lecture to
read a lesson
read a lesson to
read a sermon
read between the lines
read copy
read easily
read for
read in
read in view of
read into
read law
read out
read out of
read palms
read tea leaves
read the future
read the meter
read the riot act
read up
read up on
read with
read your hand
read your lines
read yourself in
read-write head
reader-off
readiness of feeling
readiness of speech
reading book
reading chair
reading desk
reading distance
reading glass
reading glasses
reading hook
reading in
reading lamp  
reading man  
reading matter  
reading notice  
reading pew  
reading room  
reading, writing, and arithmetic  
reading-in machine  
ready about  
ready and willing  
ready at hand  
ready box  
ready for  
ready for anything  
ready for bed  
ready money  
ready pen  
ready reckoner  
ready reply  
ready retort  
ready roofing  
ready room  
ready to  
ready to believe  
ready to burst  
ready to burst forth  
ready to cry  
ready to drop  
ready up  
ready wit  
ready yourself  
ready yourself to  
ready-armed  
ready-beaten  
ready-bent  
ready-braced  
ready-built  
ready-coined  
ready-cooked  
ready-cut  
ready-dressed  
ready-for-wear  
ready-formed  
ready-furnished  
ready-grown  
ready-handed  
ready-made  
ready-mades
ready-mix
ready-mixed
ready-mounted
ready-penned
ready-prepared
ready-reference
ready-sanded
ready-sensitized
ready-shapen
ready-starched
ready-to-wear
ready-tongued
ready-typed
ready-winged
ready-witted
ready-wittedly
ready-wittedness
ready-worded
reagent bottle
real McCoy, the
real axis
real estate
real estate agent
real estate broker
real income
real issue
real lady
real man
real meaning
real number
real part
real presence
real property
real scholar
real school
real tennis
real thing, the
real variable
real wages
real woman
real-estate trust
real-hearted
real-minded
real-sighted
real-time
realgar orange
realgar yellow
realistic comedy
realistic description
realistic representation
reality therapy
realize on
realize profit
really into
really something
really-truly
realm of light
realm-bounding
realm-conquering
realm-destroying
realm-governing
realm-peopling
realm-subduing
realm-sucking
realm-unpeopling
ream ass
ream out
reaming-out
reap and carry
reap gapeseed
reap profit
reap the benefit of
reap the fruits of
reap the whirlwind
reap where you have sown
reaper binder
reaper binder Obsolete
reaper file
reaper thresher
reaping hook
reaping machine
rear admiral
rear aloft
rear arch
rear area
rear echelon
rear end
rear guard
rear its head
rear light
rear projection
rear sight
rear up
rear vault
rear-
rear-admiral
rear-arch
rear-cut
rear-directed
rear-driven
rear-driving
rear-end
rear-guard
rear-horse
rear-steering
rear-vassal
rear-vault
rear-view mirror
rear-vision mirror
rearguard action
rearing bit
rearview mirror
reason about
reason behind
reason for
reason for being
reason ill
reason in a circle
reason out
reason speciously
reason that
reason the point
reason to believe
reason why
reason with
reasonable charge
reasonable ground
reasonable hope
reasonable presumption
reasonable price
reasoning faculty
reasoning power
rebate plane
rebel clover
rebel yell
rebound clip
rebound leaf
rebus sic stantibus
rec room
recalessence point
recall dose
recall knowledge of
recall of ambassadors
reciprocal insurance
reciprocal leveling
reciprocal ohm
reciprocal or mutual relation
reciprocal pronoun
reciprocal trade
reciprocal transfusion
reciprocating engine
recipocity failure
recipocity law
recitation room
recitativi accompagnati
recitativi secchi
recitativo accompagnato
recitativo secco
recitativo stromentato
recite the rosary
reciting note
reciting the rosary
reck- less
reckless expenditure
reckless person
reckless spending
reckon among
reckon in
reckon on
reckon up
reckon up to
reckon with
reckon without your host
reclaimed rubber
reclamation district
recline on
reclining chair
reclining lounge chair
recognition mark
recoil atom
recoil cylinder
recoil electron
recoil escapement
recoil wave
recoilless rifle
recommend itself
recommended price
reconcile yourself to
reconnaissance car
reconnaissance mission
reconnaissance plane
reconnaissance rocket
reconnaissance ship
reconstructive operation
reconstructive surgery
record book
record changer
record clerk
record holder
record hop
record keeping
record player
record ribbon
record time
record vote
record-bearing
record-beating
record-breaking
record-changer
record-making
record-player
record-seeking
record-setting
recorded delivery
recording altimeter
recording analyzer
recording anemometer
recording angel
recording barometer
recording hygrometer
recording instrument
recording instruments
recording meter
recording potentiometer
recording pyrometer
recording secretary
records-pulse generator
recover health
recover knowledge of
recover one’s equilibrium
recover your balance
recover your equilibrium
recover your sanity
recovery coke
recovery oven
recovery peg
recovery room
recreation ground
recreation room
recreational therapy
recruit your strength
recruiting ground
rect-
rectangular coordinate
rectangular coordinates
rectangular data
rectangular hyperbola
rectangular number
recti-
rectifier circuit
rectifier instrument
rectifier tube
rectilinear number
recto-
recto-urethral
recto-uterine
rectovesical fascia
rectus abdominus
rectus femoris
recumbent anticline
recuperative furnace
recur to
recur to the mind
recurrence formula
recurrent fever
recurring action
recurring decimal
recursion formula
recurvo-
red admiral
red alder
red alert
red alga
red algae
red ant
red as a beet
red as a hot coal
red as a live coal
red as a lobster
red as a turkey-cock
red as blood
red as fire
red bag
red bark
red bay
red biddy
red birch
red blindness
red blood
red blood cell
red blood corpuscle
red book
red brass
red breast
red brush
red bryony
red bug
red cabbage
red calla lily
red cap
red carpet
red cedar
red cent
red chalk
red chokeberry
red clay
red clover
red cluster pepper
red coat
red colors and pigments
red coral
red corpuscle
red count
red cross
red currant
red dead nettle
red deer
red devil
red dogwood
red drum
red duster
red dwarf
red earth
red elm
red ensign
red false mallow
red feed
red fescue
red fir
red fire
red fish
red flag
red flash
red flour beetle
red fox
red giant
red giant star
red grouse
red gum
red hand
red hands
red hat
red heat
red herring
red hind
red horse
red horse chestnut
red in the face
red indian
red jasmine
red jungle fowl
red kauri
red kowhai
red label
red larkspur
red lattice
red lead
red leaf
red letter
red light
red line
red liquor
red maids
red man
red maple
red mass
red meat
red mercuric oxide
red mercuric sulfide
red mombin
red mulberry
red mullet
red oak
red ocher
red ochre
red orpiment
red osier
red packet
red pepper
red periwinkle
red pine
red pink
red poll
red prussiate of potash
red puccoon
red race
red rag
red rag to a bull
red rat snake
red ribbon
red robin
red roncador
red rose
red rot
red rover
red rust
red sable
red sage
red salmon
red sand
red setter
red shank
red shanks
red shift
red sindhi
red siskin
red snapper
red snow
red spider
red squill
red squirrel
red stuff
red tai
red tape
red tide
red tipped moss
red trillium
red turtlehead
red valerian
red water
red whortleberry
red wine
red worm
red zinc ore
red, white, and blue
red-alder
red-armed
red-backed
red-backed sandpiper
red-backed shrike
red-bait
red-baiting
red-banded
red-bar
red-barked
red-beaded
red-beaked
red-beamed
red-bearded
red-bellied
red-bellied turtle
red-belted
red-berried
red-billed
red-black
red-blind
red-blooded
red-bloodedness
red-bodied
red-boled
red-bonnet
red-bound
red-branched
red-branching
red-breasted
red-brick
red-brick university
red-brown
red-burning
red-buttoned
red-carpet
red-cheeked
red-chested
red-ciled
red-ciling
red-cilled
red-cilling
red-clad
red-clay
red-cloaked
red-clocked
red-coat
red-coated
red-cockaded
red-collared
red-colored
red-combed
red-complexioned
red-crested
red-crowned
red-curtained
red-dabbled
red-dog
red-dogged
red-dogger
red-dogging
red-dyed
red-eared
red-edged
red-eye
red-eyed
red-eyed vireo
red-faced
red-facedly
red-facedness
red-feathered
red-figure
red-figured
red-finned
red-flag
red-flag law
red-flagger
red-flaggery
red-flanked
red-flecked
red-fleshed
red-flowered
red-flowering
red-footed
red-fronted
red-fruited
red-gemmed
red-gilled
red-girdled
red-gleaming
red-gold
red-gowned
red-gowned-red-green blind
red-green blind
red-green blindness
red-haired
red-hand
red-handed
red-handedly
red-handedness
red-hard
red-harden
red-hardness
red-hat
red-hatted
red-head
red-headed
red-headed woodpecker
red-heeled
red-herring prospectus
red-hipped
red-hissing
red-hooded
red-horned
red-hot
red-hot poker
red-hued
red-humped
red-ink
red-jerseyed
red-kneed
red-knobbed
red-lead
red-lead ore
red-lead putty
red-leader
red-leaf
red-leather
red-leaved
red-legged
red-legged partridge
red-legs
red-letter
red-letter day
red-lettered
red-lidded
red-light
red-light district
red-lined
red-lipped
red-listed
red-lit
red-litten
red-looking
red-making
red-minded
red-mouthed
red-naped
red-neck
red-necked
red-nosed
red-orange
red-out
red-painted
red-pencil
red-plowed
red-plumed
red-polled
red-purple
red-ribbed
red-rimmed
red-ripening
red-roan
red-roofed
red-rooted
red-rose
red-rumped
red-rusted
red-scaled
red-scarlet
red-shafted
red-shank
red-shirted
red-short
red-shortness
red-shouldered
red-shouldered hawk
red-sided
red-silk
red-skinned
red-snooded
red-specked
red-speckled
red-spotted
red-spotted purple
red-stalked
red-streak
red-streaked
red-streaming
red-swelling
red-tailed
red-tailed hawk
red-tape
red-taped
red-tapedom
red-tapeism
red-taper
red-tapery
red-tapey
red-tapish
red-tapism
red-tapist
red-tempered
red-thighed
red-throat
red-throated
red-tiled
red-tinted
red-tipped
red-tongued
red-top
red-topped
red-topped buffalo grass
red-trouserred
red-tufted
red-twigged
red-up
red-upholstered
red-veined
red-vented
red-vested
red-violet
red-walled
red-wat
red-water
red-wattled
red-waved
red-white
red-winged
red-winged blackbird
red-wooded
red-written
red-yellow
redback spider
redbelly dace
redbrick university
redd-up
reddish brown
reddish brown colors
reddish-amber
reddish-bay
reddish-bellied
reddish-black
reddish-blue
reddish-brown
reddish-colored
reddish-gray
reddish-green
reddish-haired
reddish-headed
reddish-looking
reddish-orange
reddish-purple
reddish-white
reddish-yellow
redear sunfish
redeem your pledge
redeem your pledges
redeemable bond
redeemed soul
redemption center
redemption fund
redevelopment area
redevelopment company
redhead-grass
redheart hickory
redhorse sucker
redirect examination
rediscount rate
redmouth buffalo fish
redouble your efforts
redound to
redound to the honor of
redound to your honor
redox potential
redpoll linnet
redpoll warbler
redrawing press
redrawing punch
redress a wrong
redress an injustice
reduce sail
reduce the temperature
reduce to
reduce to ashes
reduce to dust
reduce to elements
reduce to essentials
reduce to order
reduce to powder
reduce to rubble
reduce to silence
reduce to unity
reduce to writing
reduce weight
reduced circumstances
reduced hemoglobin
reduced in health
reduced level
reduced mass
reduced paid-up insurance
reduced price
reduced rates
reduced sail
reduced sight
reduced to a skeleton
reduced to dire straits
reduced to jelly
reduced to powder
reduced vowel
reducer sleeve
reducible algebra
reducing agent
reducing diet
reducing furnace
reducing glass
reducing press
reducing valve
reducing wheels
reductase test
reductio ad absurdum
reduction division
reduction formula
reduction of armaments
reduction of expenses
reduction of government spending
reduction of spending
reduction of temperature
reduction potential
reduction to ashes
reduction to dust
reduction to elements
reduction to parts
reduction to powder
reduction works
reduction-improbation
redundant check
redundant verb
redwing blackbird
reed basket
reed bent
reed bunting
reek of piety
reel and bead
reel back
reel borer
reel foot
reel in
reel man
reel off
reel oven
reel-fed
reel-fitted
reel-footed
reel-to-reel
reeled silk
reeling hammer
reeming beetle
reeming iron
reentering angle
reeving polygon
reeving-line bend
refectory table
refer to
reference book
reference editor
reference electrode
reference frame
reference gauge
reference group
reference librarian
reference library
reference mark
reference marks
reference peg
reference quantity
reference system
reference to
reference-voltage generator
referendum dollar
referred pain
referred to
referring to
refine a distinction
refine upon
refined discrimination
refined palate
refined sense of hearing
refined taste
refining engine
refining equipment
refining heat
refining place
reflect discredit upon
reflect honor on
reflect over
reflect upon
reflected light
reflected light meter
reflected plan
reflected signal
reflecting telescope
reflection density
reflection factor
reflection plane
reflector mirror
reflex act
reflex action
reflex angle
reflex arc
reflex camera
reflex epilepsy
reflex klystron
reflex zenith tube
reflexive pronoun
reflux condenser
reflux value
reform Jew
reform judaism
reform politician
reform politics
reform school
reform yourself
reformation-proof
reformed spelling
refracting telescope
refraction circle
refractive index
refractory brick
refractory clay
refractory ware
refrain from
refresh the inner man
refresh the memory
refresh the memory of
refresher course
refrigerating engine
refrigerating engineer
refrigerating engineering
refrigerating machine
refrigerating plant
refrigeration anesthesia
refrigeration ship
refrigerator car
refrigerator truck
refund annuity
refunding bond
refusal to be amazed
refusal to be awed
refusal to be impressed
refusal to believe
refuse comment
refuse consent
refuse credence to
refuse credit to
refuse destructor
refuse heap
refuse lac
refuse point-blank
refuse stays
refuse summarily
refuse to accept
refuse to acknowledge
refuse to admit
refuse to associate with
refuse to be impressed
refuse to believe
refuse to consider
refuse to cooperate
refuse to credit
refuse to pay
refuse to receive
refuse to recognize
refuse to shed blood
refuse work
refusing work
regal purple
regard before
regard studiously
regard with indulgence
regardless of
regardless of consequences
regardless of cost
regenerated cellulose
regenerative cooling
regenerative furnace
regenerative receiver
regenerative wave-meter
regent bird
regent house
regie-book
regimental tie
regional accent
regional dialect
regional enteritis
regional governor
regional novel
regional school
regions of
register a complaint
register breadth
register length
register of deaths
register of wills
register office
register point
register regulator
register thermometer
register ton
register tonnage
register with
registered Democrat
registered Republican
registered bond
registered breadth
registered certificate
registered depth
registered length
registered lobbyist
registered mail
registered nurse
registered post
registered representative
registered securities
registered trademark
registered voter
registering rocket
registrar-general
registration area
registration county
registration number
registry office
regius professor
regression coefficient
regression neurosis
regression therapy
regressive sorites
regressive tax
regressive taxation
regular army
regular as clockwork
regular bevel
regular buyer
regular canoness
regular customer
regular dividend
regular gas
regular lay
regular ode
regular old fogy
regular payments
regular play
regular solid
regular tertiaries
regular wave motion
regular year
regular-bred
regular-built
regular-featured
regular-growing
regular-lay rope
regular-shaped
regular-sized
regulate by
regulating box
regulating button
regulation-proof
regulative first principle
regulator gene
regulator pin
rehearse a play
rehearse in extenso
reheat the ashes
reheating furnace
rei persecutoria
rei-ntrant
reign of Saturn
reign of St
reign of terror
reigning beauty
reim-kennar
rein in
rein orchis
reindeer flower
reindeer lichen
reindeer moss
reindeer pest
reinforced bow
reinforced concrete
reins of government
reinsurance fund
reisner work
reject authority
reject back
rejection slip
rejoice in
rejoice in a seller's market
rejoice in the name of
rejoice the heart
rejoice with
relapsing fever
relate at large
relate in extenso
relate to
relate to emotionally
related by blood
related word
relating to
relation word
relative aperture
relative atomic mass
relative bearing
relative by marriage
relative clause
relative complement
relative density
relative dispersion
relative electron affinity
relative frequency
relative heading
relative humidit
relative humidity
relative incidence
relative magnitude
relative major
relative majority
relative maximum
relative minimum
relative minor
relative molecular mass
relative permeability
relative permittivity
relative pitch
relative pronoun
relative to
relative topology
relative wind
relative-in-law
relatively prime numbers
relatives-in-law
relativistic quantum mechanics
relativity doublet
relativity shift
relax conditions
relax the condition
relax your grip
relax your hold
relaxation of tension
relay broadcast
relay fast
relay governor
relay hunger strike
relay links
relay race
relay receiver
relay register
relay station
relay stations
relay transmitters
relayer rail
release copy
release date
release therapy
released time
relegate to a place
relevant fact
relevant instance
reliability coefficient
reliance in
reliance on
relic area
relic of the past
relic-covered
relic-vending
relief etching
relief frame
relief map
relief method
relief motion
relief pallet
relief payments
relief pitcher
relief printing
relief ship
relief tube
relief valve
relief well
relief-carving
relieve the mind of
relieve you of
relieve your mind
relieve yourself
relieving arch
relieving tackle
religio-
religio-educational
religio-magical
religio-military
religio-philosophical
religio-political
religio-scientific
religions and sects
religious belief
religious believer
religious ceremony
religious discourse
religious education
religious faith
religious founder
religious house
religious humbug
religious hypocrite
religious leader
religious order
religious prophets
religious rites
religious school
religious truth
religious war
religious-minded
religious-mindedness
religiously exact
relinquish your life
relocation camp
reluctance amplifier
rely on
rely on fortune
rely upon
remain anonymous
remain at a distance
remain at peace
remain firm
remain in the shade
remain in your memory
remain incommunicado
remain motionless
remain neutral
remain on your hands
remain seated
remain stable
remain unmoved
remain valid
remainder theorem
remand home
remand school
remanent magnetism
remark upon
remarkably like
remarque proof
remedial measure
remedial of
remedy an injustice
remedy-proof
remembrance day
remind one of
remind you of
remission of sin
remit the penalty of
remitance man
remittent fever
remontoir escapement
remorse of conscience
remote age
remote cause
remote control
remote distance
remote future
remote handling
remote past
remote pickup
remote possibility
remote region
remote resemblance
remote time
remote-control
remote-controlled
remote-pickup unit
remotely like
remotely related
remotest corner of the world
remoulade sauce
remount cavalry
removal cutting
removal to Abraham's bosom
removal to heaven
remove all doubt
remove all restrictions
remove friction
remove from life
remove from office
removed from the record
removing the veil
remuneratory sanction
renal calculus
renal hematuria
renal pelvis
renal splanchnic nerve
rend asunder
rend from
rend the air
rend the eardrums
rend the ears
rend the firmament
rend the heart
rend the skies
render a service
render assistance
render blind
render credit
render honor to
render insensible
render lip service
render powerless
render recognition
render service to
render thanks
render up
rendering coat
rendering works
renew your strength
reni-
rennet bag
rennet casein
rennet ferment
renounce the throne
rent charge
rent charger
rent control
rent gouger
rent insurance
rent money
rent out
rent party
rent resolute
rent seck
rent service
rent-charge
rent-collecting
rent-free
rent-paying
rent-producing
rent-raising
rent-reducing
rent-roll
rent-seck
rent-service
rental car
rental color income
rental library
rents seck
renunciation of the world
rep show
repair run
repair ship
repair shop
repair to
reparative surgery
repay in kind
repeat again
repeat by heart
repeat by rote
repeat like a broken record
repeat like a parrot
repeat order
repeat performance
repeat verbatim
repeat word for word
repeat yourself
repeated figure
repeated sounds
repeating decimal
repeating firearm
repeating theodolite
repeating watch
repent in sackcloth and ashes
repertory company
repertory drama
repertory show
repertory theater
repetition for effect
repetition for emphasis
replacement cost
replacement therapy
replacement transfusion
replacement vein
replica grating
reply by return mail
reply card
reply coupon
reply to
report card
report for duty
report out
report stage
reported speech
reporting pay
repose confidence in
repose in
repose on
repose on your laurels
repose upon
represent yourself to be
representative art
representative democracy
representative fraction
representative government
representative of the press
representative realism
representative town meeting
representative-elect
representing in the mind
repress a smile
repress your desires
repro proof
reproach yourself
reproduce after your kind
reproduce in kind
reproducing element
research satellite
research station
research study
research worker
reserve account
reserve bank
reserve buoyancy
reserve city
reserve currency
reserve forces
reserve fund
reserve militia
reserve officer
reserve price
reserve ratio
reserve ration
reserve supply
reserve yourself
reserved list
reserved occupation
reserved power
reset action
reside in
resident commissioner
resident maid
resident physician
residential district
residual clay
residual magnetism
residual power
residual stress
residuary devisee
residuary legatee
resign from
resign your being
resign your life
resign yourself
resign yourself to
resignation bond
resigned-looking
resin alcohol
resin bee
resin canal
resin cerate
resin distiller
resin gnat
resin jack
resin oil
resin opal
resin plant
resin plastic
resin soap
resin spirit
resino-
resist believing
resist entreaty
resist persuasion
resist printing
resistance box
resistance butt welding
resistance capacitance
resistance coil
resistance coupling
resistance derivative
resistance drop
resistance fighter
resistance fighting
resistance frame
resistance furnace
resistance pyrometer
resistance thermometer
resistance to belief
resistance to change
resistance welding
resisting medium
resisting moment
resistive conductor
resistive coupling
resistiveness to belief
resojet engine
resojet propulsion
resolutory condition
resolve into
resolve itself into
resolve to
resolved upon
resolving power
resonance box
resonance potential
resonance cavity
resonance curve
resonance duct jet engine
resonance energy
resonance form
resonance frequency
resonance frequency control
resonance hybrid
resonance indicator
resonance jet engine
resonance neutron
resonance pipe
resonance radiation
resonance spectrum
resonance wave coil
resonance-coil antenna
resonant cavity
resonant chamber
resonant frequency
resonant-jet engine
resorcin acetate
resorcin brown
resorcin dark brown
resorcinol monoacetate
resorption border
resort to
resort to arms
resound in the ears
resound the praises of
resounding triumph
respect your duty
respectable citizen
respeian composer
respiration calorimeter
respiratory center
respiratory disease
respiratory leaf
respiratory nerve
respiratory pigment
respiratory plate
respiratory quotient
respiratory system
respiratory tree
respiratory trumpet
resplendent trogon
resplendently beautiful
respond to
respond to stimuli
responding note
responsary report
response generalization
response time
response to stimuli
responsible for
responsible person
responsory report
rest and be thankful
rest assured
rest cure
rest day
rest easy
rest energy
rest from your labors
rest hard upon
rest home
rest house
rest in
rest in confidence
rest in peace
rest in the arms of Morpheus
rest mass
rest on
rest on the shoulders of
rest on your laurels
rest on your oars
rest room
rest satisfied
rest stop
rest treatment
rest up
rest upon
rest upon your oars
rest with
rest your case
rest-bulk
rest-cure
rest-cured
rest-giving
rest-harrow
rest-home
rest-ordained
rest-refreshed
rest-seeking
rest-taking
restaurant car
restful sleep
resting easy
resting in peace
resting of the case
resting place
resting point
restless cavy
restore harmony
restore self-respect
restore to health
restoring spring
restrain yourself
restraining hand
restraining order
restraint of trade
restrict to
restrict yourself
restricted class
restricted information
restricted practice
restricted propellant
restricted theory of relativity
restriction of intake
restrictive clause
restrictive covenants
restrictive practice
result clause
result from
result on
resultant force
resultant tone
resulting from
resurrection bolly
resurrection fern
resurrection gate
resurrection man
resurrection pie
resurrection plant
resurrection woman
retail dealer
retail gossip
retail merchant
retail seller
retail store
retain in the thoughts
retain the memory of
retained earnings
retained income
retained object
retained objective complement
retaining fee
retaining wall
retardation method
retentive memory
retentive mind
retia mirabilia
reticular system
reticulate python
reticulated tracery
reticulated vessel
reticulato-
reticulo-
reticuloendothelial system
reticulum cell
reticulum cell sarcoma
retin-
retinal rod
retinitis pigmentosa
retino-
retire from office
retire from sight
retire from the world
retire into the shade
retire into your shell
retired list
retired professor
retirement benefits
retirement from office
retirement income insurance
retiring disposition
retold story
retonation wave
retort an accusation
retort drawer
retort stand
retrace your steps
retractable landing gear
retreaded tire
retreat into your mind
retreat into your shell
retreat into your thoughts
retreat to immaturity
retreating market
retributive justice
retro rocket
retro-
retro-float light
retro-ocular
retro-omental
retro-operative
retro-oral
reversible reaction
reversible-disk plow
reversing light
reversing prism
reversing switch
reversing thermometer
reversion duty
reversion pendulum
reversion spectroscopy
reversionary annuity
revert to
review copy
review in retrospect
review of things past
revise your thoughts
revised edition
revised standard version
revised version
revival meeting
revolt at
revolting with
revolting with endured
revolution control
revolutionary calendar
revolutionary junta
revolutionary war
revolutions per minute
revolve in the mind
revolve on
revolve upon
revolving bookcase
revolving bookstand
revolving credit
revolving door
revolving fund
revolving lever
revolving on
revolving stage
revolving-jaw box chuck
revolving-jaw chuck
rewa-rewa
reward claim
reworked wool
rewrite man
rewrite rule
rex begonia
rez-de-chaussee
rh factor
rh-negative
rh-positive
rhabdo-
rhaeto-romanic
rheims version
rhein-berry
rheo-
rhesus baby
rhesus factor
rhesus monkey
rhetorical accent
rhetorical question
rhetorical stress
rheumatic disease
rheumatic fever
rheumatic heart disease
rheumatism of the heart
rheumatism root
rheumatism weed
rheumatism-root
rheumatoid arthritis
rhin-
rhine wine
rhino-
rhinoceros auklet
rhinoceros beetle
rhinoceros bird
rhinoceros bush
rhinoceros hide
rhinoceros hornbill
rhinoceros viper
rhinoceros-shaped
rhinolalia aperta
rhinolalia clausa
rhizo-
rhizo-
rhizoctonia disease
rhizosphere effect
rho particle
rhod-
rhode island bent
rhode island red
rhode island white
rhodes grass
rhodes scholar
rhodesian man
rhodium oil
rhodium wood
rhodo-
rhodonite pink
rhomb spar
rhomb-
rhomb-leaved
rhombic aerial
rhombic antenna
rhombo-
rhomboid-ovate
rhubarb wine
rhumb line
rhumbline sailing
rhus dermatitis
rhus glabra
rhyme or reason
rhyme royal
rhyme scheme
rhyme word
rhyme-beginning
rhyme-composing
rhyme-fettered
rhyme-forming
rhyme-free
rhyme-inspiring
rhyme-tagged
rhyming dictionary
rhyming slang
rhyolite-porphyry
rhythm band
rhythm method
rhythm section
rhythm stick
rhythm-and-blues
rhythmic pattern
rhythmic phrase
rhythmic play
rhythmic accent
rhythmical accentuation
rhythmical stress
rib cage
rib cut
rib grass
rib lath
rib meristem
rib rifling
rib roast
rib steak
rib stitch
rib tickler
rib-bearing
rib-breaking
rib-faced
rib-grass
rib-grated
rib-mauled
rib-nosed
rib-pointed
rib-poking
rib-roast
rib-sticking
rib-striped
rib-supported
rib-welting
rib-and-shaped
ribband-wreathed
ribband carvel
ribband lines
ribbed and smoked sheet
ribbed toad
rible-rabble
ribbon brake
ribbon building
ribbon bush
ribbon candy
ribbon conveyer
ribbon copy
ribbon development
ribbon fern
ribbon grass
ribbon gum
ribbon isinglass
ribbon jasper
ribbon lightning
ribbon maker
ribbon microphone
ribbon movement
ribbon of light
ribbon park
ribbon rock
ribbon saw
ribbon snake
ribbon strip
ribbon tree
ribbon winder
ribbon wire
ribbon worm
ribbon-bedizened
ribbon-bordering
ribbon-bound
ribbon-fish
ribbon-grass
ribbon-marked
ribbon-shaped
ribonucleic acid
ribose nucleic acid
ribosomal RNA
rice body
rice boiler
rice bowl
rice bran
rice bug
rice christian
rice cleaner
rice coal
rice cousin
rice cut-grass
rice drier
rice dust
rice eater
rice field
rice flour
rice flower
rice glue
rice grader
rice grass
rice grinder
rice grower
rice hen
rice huller
rice milk
rice mill
rice miller
rice mouse
rice paddy
rice paper
rice planter
rice polish
rice polisher
rice polishings
rice powder
rice rat
rice shell
rice tenrec
rice water
rice weevil
rice wine
rice-bird
rice-cleaning
rice-clipping
rice-eating
rice-field eel
rice-grading
rice-grain decoration
rice-grinding
rice-growing
rice-hulling
rice-paper
rice-paper tree
rice-planting
rice-polishing
rice-pounding
rice-root grass
rice-seed body
rice-water
rich as Croesus
rich harvest
rich hat
rich imagination
rich lode
rich man
rich man's panic
rich ore
rich rhyme
rich soil
rich source
rich uncle
rich vein
rich, the
rich-appareled
rich-attired
rich-bedight
rich-bound
rich-built
rich-burning
rich-clad
rich-colored
rich-conceited
rich-distilled
rich-embroidered
rich-figured
rich-flavored
rich-fleeced
rich-fleshed
rich-glittering
rich-haired
rich-jeweled
rich-laden
rich-looking
rich-minded
rich-ored
rich-robed
rich-set
rich-soiled
rich-tasting
rich-toned
rich-voiced
rich-weed
rich-wrought
richard roe
richel bird
richly deserve
richly deserved
richness of meaning
ricinoleic acid
ricinus oil
rick carrier
rick-barton
rick-burton
rick-yard
rickettsial disease
ricochet fire
rectal bristle
rid of
rid yourself of
riddle ballad
riddle cake
riddle canon
riddle of the Sphinx
ride a broomstick
ride a hobby
ride a hobbyhorse
ride a storm
ride and tie
ride at anchor
ride bareback
ride down
ride easy
ride for a fall
ride full tilt against
ride gain
ride hard
ride hawse full
ride herd on
ride high
ride it out
ride on a rail
ride out
ride out a storm
ride out the storm
ride over
ride roughshod over
ride shank's mare
ride shank's pony
ride shotgun for
ride the beam
ride the high horse
ride the hobnail express
ride the sea
ride the shoe-leather
ride the skies
ride to a fall
ride to death
ride to hounds
ride to leeward
ride up
rider embolus
rider keelson
ridge beam
ridge buster
ridge fillet
ridge harrow
ridge oak
ridge plow
ridge rib
ridge rope
ridge runner
ridge stone
ridge strut
ridge tile
ridge-bone
ridge-seeded
ridge-tile
riding grass
riding plow
ridicule-proof
ridiculously like
riding academy
riding at anchor
riding boot
riding boots
riding breeches
riding crop
riding habit
riding hood
riding horse
riding lamp
riding light
riding master
riding on cloud nine
riding pants
riding rhyme
riding saddle
riding sail
riding school
riding-coat
riding-habit
riding-hood
rie grass
riemannian geometry
rien du tout
rien ne va plus
riff through
riff-raff
riffle bar
riffle block
riffle file
riffle through
rifle assembler
rifle ball
rifle bar
rifle bird
rifle bomb
rifle corps
rifle fire
rifle frock
rifle green
rifle grenade
rifle gun
rifle pit
rifle range
rifle salute
rifle shot
rifle tie
rifle-bird
rifle-range
rifle-shot
rifled slug
rift board
rift saw
rift valley
rift-sawed
rift-sawing
rift-sawn
rifty-tufty
rig down
rig for diving
rig out
rig shenanigan
rig the market
rig tree
rig up
rig-out
rig-up
rig-veda
rigged jury
rigged market
rigged oar
rigged out
rigger's knife
rigging angle of incidence
rigging loft
rigging plan
rigging screw
right about
right about face
right along
right along there with
right amount
right and left
right and proper
right angle
right as rain
right ascension
right away
right belief
right bower
right boys
right center
right circular cone
right circular cylinder
right conduct
right cylinder
right doctrine
right face
right field
right fielder
right five degrees rudder
right full rudder
right half rudder
right hand
right handsomely
right in the head
right itself
right line
right mind
right mood
right now
right of angary
right of asylum
right of center
right of common
right of eminent domain
right of emption
right of entry
right of preemption
right of put and call
right of search
right of sole emption
right of use
right of way
right off
right off the bat
right off the reel
right on
right on end
right people
right reverend
right rudder
right section
right side
right side of the tracks
right side of, the
right smart
right smart spell
right sort
right stage
right standard rudder
right taste
right ten degrees rudder
right thing, the
right thinking
right-made
right-meaning
right-minded
right-mindedly
right-mindedness
right-of-way
right-of-way signal
right-ob
right-onward
right-principled
right-running
right-shaped
right-shapen
right-side
right-sided
right-sidedly
right-sidedness
right-thinking
right-to-work law
right-turn
right-up
right-walking
right-wheel
right-wing
right-winger
right-wingish
right-wingism
rightabout-face
righteous indignation
righteous, the
righteye flounder
rightful authority
rightful succession
righting lever
righting moment
rights issue
rights of man
rights of women
rights-of-way
rigid airship
rigid control
rigid discipline
rigid frame
rigid motion
rigid supports
rigid-body
rigid-frame
rigid-nerved
ring around the sun
ring back
ring bander
ring binder
ring bore
ring bottle
ring canal
ring cell
ring changes
ring chuck
ring circuit
ring clew
ring compound
ring crib
ring dial
ring dollar
ring doorbells
ring down the curtain
ring down the curtain on
ring dropper
ring dropping
ring false
ring fence
ring finger
ring formation
ring formula
ring frame
ring gage
ring gauge
ring gear
ring in
ring in the ear
ring in the ears
ring machine
ring main
ring man
ring micrometer
ring nebula
ring necrosis
ring of the nibelung
ring off
ring oiler
ring on the air
ring out
ring ouzel
ring peals
ring pin
ring road
ring rope
ring rot
ring screw
ring seizing
ring shake
ring shout
ring snake
ring spinner
ring spinning
ring spot
ring stone
ring taw
ring the bell
ring the changes
ring the tocsin
ring traveler
ring true
ring up
ring up the curtain
ring winding
ring with the praises of
ring your praises
ring-a-lievio
ring-a-rosy
ring-adorned
ring-around
ring-banded
ring-bark
ring-billed
ring-billed duck
ring-billed gull
ring-bone
ring-bored
ring-bound
ring-chain isomerism
ring-chain tautomerism
ring-dove
ring-dyke
ring-eyed
ring-fence
ring-finger
ring-formed
ring-handled
ring-in
ring-legged
ring-man
ring-neck
ring-necked
ring-necked duck
ring-necked pheasant
ring-off
ring-oil
ring-porous
ring-ridden
ring-shaped
ring-shout
ring-small
ring-spinning frame
ring-straked
ring-streaked
ring-tailed
ring-tailed cat
ring-up
ringed about
ringed plain
ringed plover
ringed snake
ringing spindrift
ringing tone
ringside seat
ringtail topsail
ringworm bush
rink polo
rinka fadda
rinse out
riot act
riot away
riot gun
riot in
riot of color
riot of colors
riot police
riot squad
riotous living
rip apart
rip cord
rip current
rip from
rip hook
rip into
rip off
rip open
rip out
rip out an oath
rip panel
rip tide
rip to pieces
rip up
rip van winkle
rip-off
rip-rap
rip-roaring
rip-roaring drunk
rip-roarious
rip-saw
riparian right
ripe age
ripe for instruction
ripe idea
ripe old age
ripe rot
ripe stump
ripe wisdom
ripe-aged
ripe-bending
ripe-cheeked
ripe-colored
ripe-eared
ripe-faced
ripe-grown
ripe-looking
ripe-picked
ripe-red
ripe-tongued
ripe-witted
ripen into
riper years
ripper act
ripping bar
ripping chisel
ripping iron
ripping out
ripping panel
ripping punch
ripping size
ripple cloth
ripple current
ripple effect
ripple grass
ripple mark
ripple of applause
ripple of laughter
ripple plantain
ripple voltage
ripple weld
ripple-grass
rippling kame
ris de veau
rise above
rise again
rise against
rise and fall
rise and shine
rise from
rise from the grave
rise in the mind
rise in the world
rise of bottom
rise of floor
rise of the tide
rise on in the world
rise on the hind legs
rise to
rise to a point of order
rise to mind
rise to the fly
rise to the occasion
rise up
rise up in arms
risen from the ranks
rising action
rising diphthong
rising floor
rising generation
rising ground
rising hinge
rising line
rising market
rising of the curtain
rising prices
rising rhythm
rising terminal
rising trot
rising vote
risk assuming
risk capital
risk premium
risk stating
risk your life
risus sardonicus
rite de passage
rite of confession
rite of intensification
rite of passage
ritual contamination
ritual impurity
ritual killing
ritual murder
ritual observance
ritual suicide
ritual uncleanness
ritualistic article
ritualistic book
ritualistic manual
ritually clean
ritually contaminated
ritually immerse
ritually impure
ritually pure
ritually unclean
ritz it
rivage green
river ash
river bank
river basin
river bass
river bed
river birch
river boulder
river bulrush
river carpsucker
river craft
river deer
river dolphin
river driver
river front
river grass
river gunboat
river horse
river jack
river lamprey
river locust
river maple
river mussel
river novel
river oak
river of Hades
river of death
river of oblivion
river pilot
river rat
river road
river shrew
river sunflower
river wattle
river-blanched
river-borne
river-bottom
river-caught
river-drift
river-fish
river-formed
river-given
river-god
river-goddess
river-horse
river-sundered
river-water
river-watered
river-worn
riverbank grape
rivet buster
rivet carrier
rivet catcher
rivet forge
rivet heater
rivet hole
rivet in the memory
rivet knob
rivet pitch
rivet set
rivet snap
rivet steel
rivet the eyes upon
rivet the mind on
rivet the thoughts on
rivet weld
rivet wheat
rivet your attention
riveting hammer
riveting knob
riveting stake
rising knife
rising machine
rix-dollar
rk-up
roach back
roach paste
road-bike
road-faring
road-fund licence
road-grading
road-hoggish
road-hoggism
road-maker
road-oiling
road-ready
road-test
road-testing
road-train
road-weary
road-wise
roan-tree
roar like a bull
roar of laughter
roar up
roar with laughter
roaring drunk
roaring fire
roaring forties
roaring mad
roaring success
roaring trade
roast beef
roast meat
roast sintering
roast-beef plant
roasting ear
roasting hot
roasting jack
rob Peter to pay Paul
rob roy
rob the cradle
rob you of ease
rob you of rest
rob you of sleep
rob you of your illusions
robbed of
robbed of illusion
robber bee
robber crab
robber fly
robber frog
robbers' roost
robbery insurance
robe de chambre
robe of royalty
robe of state
robe-de-chambre
robes-de-chambre
robin accentor
robin chat
robin dipper
robin goodfellow
robin hood
robin redbreast
robin runaway
robin sandpiper
robin snipe
robin's-egg blue
robing room
robinson crusoe
robot bomb
robot control
robot factory
robot pilot
robot plane
robot satellite
robot specialist
robot submarine
robot system
robot-control
robust health
roche alum
roche lime
roche moutonn
roche moutonnee
rochelle powders
rochelle salt
roching cask
rock 'n' roll
rock alyssum
rock and roll
rock and rye
rock barnacle
rock basin
rock bass
rock beauty
rock blenny
rock bottom
rock brake
rock breaker
rock burst
rock cake
rock-built
rock-cistus
rock-clad
rock-cleft
rock-climb
rock-climber
rock-climbing
rock-concealed
rock-covered
rock-crested
rock-crushing
rock-cut
rock-drilling
rock-dusted
rock-dwelling
rock-eel
rock-embosomed
rock-encircled
rock-encumbered
rock-enthroned
rock-faced
rock-fallen
rock-fast
rock-fill
rock-fill dam
rock-firm
rock-firmed
rock-fish
rock-forming
rock-free
rock-frequenting
rock-girded
rock-girt
rock-hard
rock-hewn
rock-inhabiting
rock-loving
rock-melting
rock-piercing
rock-pigeon
rock-piled
rock-plant
rock-pulverizing
rock-razing
rock-reared
rock-ribbed
rock-roofed
rock-rooted
rock-rose
rock-rushing
rock-salt
rock-scarped
rock-shaft
rock-sheltered
rock-steady
rock-strewn
rock-studded
rock-throned
rock-thwarted
rock-torn
rock-weed
rock-wombled
rock-work
rock-worked
rockbound coast
rocker arm
rocker bent
rocker cam
rocker panel
rocket airplane
rocket and missile names
rocket apparatus
rocket assist
rocket boat
rocket bomb
rocket car
rocket engine
rocket engineer
rocket engineering
rocket exhaust
rocket fire
rocket firing
rocket fuel
rocket glider
rocket gun
rocket harpoon
rocket laboratory
rocket larkspur
rocket launcher
rocket launching
rocket man
rocket motor
rocket pilot
rocket plane
rocket power
rocket program
rocket project
rocket propulsion
rocket research
rocket salad
rocket science
rocket scientist
rocket ship
rocket sled
rocket society
rocket technician
rocket technology
rocket testing
rocket to the moon
rocket torpedo
rocket-borne
rocket-firing plane
rocket-propelled
rocketing up
rocking bed
rocking chair
rocking horse
rocking rhythm
rocking stone
rocking valve
rocks ahead
rockweed bird
rocky mountain sheep
rocky mountain spotted fever
rod adaptation
rod and reel
rod bayonet
rod bolt
rod breaker
rod epithelium
rod fiber
rod granule
rod mill
rod of empire
rod of office
rod peeler
rod rigging
rod vision
rod-bending
rod-boring
rod-caught
rod-cone theory
rod-drawing
rod-healing
rod-pointing
rod-polishing
rod-shaped
rodded joint
rode goose
rodent operative
rodent ulcer
roe deer
roe-deer
roe buck berry
roentgen equivalent man
roentgen ray
roentgen ray therapy
roentgen-ray cancer
roentgeno-
rogation day
roger de coverley
rogue elephant
rogue's badge
rogue's march
rogue's yarn
rogues' gallery
rohr flute
roister-doister
roister-doisterly
role-player
role-playing
roll about
roll and fillet molding
roll around
roll back
roll call
roll cloud
roll film
roll flat
roll in
roll in the dust
roll in the lap of luxury
roll in wealth
roll into one
roll lathe
roll logs
roll of coins
roll of honour
roll of the dead
roll of the wheel
roll on
roll on the ground
roll on the tongue
roll out
roll over
roll over and play dead
roll scale
roll the stone of Sisyphus
roll top
roll train
roll under the tongue
roll up
roll up into a ball
roll up your sleeves
roll welding
roll with the punches
roll-about
roll-away bed
roll-call
roll-collar
roll-cumulus
roll-leaf
roll-on/roll-off
roll-out
roll-over
roll-top
roll-top desk
roll-turning lathe
rolled flat
rolled glass
rolled gold
rolled into one
rolled oats
rolled roast
rolled-steel joist
roller bandage
roller bar
roller bearing
roller blind
roller bowl
roller chain
roller chock
roller coaster
roller dam
roller derby
roller fairlead
roller gate
roller gear
roller gin
roller grinder
roller jewel
roller mill
roller nest
roller press
roller shade
roller skate
roller skater
roller skates
roller skating
roller stock
roller towel
roller-backer
roller-blind shutter
roller-carrying
roller-grinding
roller-made
roller-milled
roller-milling
roller-reefing gear
roller-skate
roller-skated
roller-skating
roller-top
rolling barrage
rolling bunt
rolling chock
rolling country
rolling crest dam
rolling fire
rolling friction
rolling hitch
rolling hitches
rolling in money
rolling in wealth
rolling kitchen
rolling machine
rolling mill
rolling on
rolling pin
rolling press
rolling rope
rolling stock
rolling stone
rolling-contact bearing
rolling-element bearing
rolling-key clutch
rolling-mill
rolling-pin
rolling-press
rolltop desk
roly-poliness
roly-poly
roly-poly grass
romaine lettuce
roman a clef
roman architecture
roman candle
roman catholic
roman collar
roman numeral
roman-fleuve
romance stanza
romance-empurpled
romance-hallowed
romance-inspiring
romance-making
romance-writing
romano-
romantic bond
romantic comedy
romantic melancholy
romantic tie
romantic tragedy
romantico-heroic
romantico-robustious
rome-penny
rome-scot
romp home
romp through
rond de jambe
rondeau redouble
rondo form
ronds de jambe
rood altar
rood arch
rood beam
rood cloth
rood goose
rood ladder
rood loft
rood screen
rood spire
rood stair
rood stairs
rood steeple
rood tower
rood-day
roof beam
roof board
roof bracket
roof cover
roof covering
roof dome
roof door
roof fixer
roof garden
roof gardener
roof guard
roof high
roof in
roof iris
roof line
roof nucleus
roof over
roof over your head
roof plate
roof prism
roof rack
roof rat
roof ridge
roof thatch
roof tile
roof truss
roof-blockaded
roof-building
roof-climbing
roof-deck
roof-draining
roof-dwelling
roof-gardening
roof-haunting
roof-reaching
roof-shaped
roof-tree
roofed-in
roofed-over
roofing nail
roofing paper
roofing tile
rook-coated
roocketty-coo
room and board
room clerk
room decoration  
room decorator  
room divider  
room service  
room temperature  
room to spare  
room to swing a cat  
room trader  
room-and-pillar  
room-mate  
room-ridden  
room-temperature  
rooming house  
roost cock  
roosting place  
root and branch  
root beer  
root beer float  
root borer  
root canal  
root canal therapy  
root canal treatment  
root cap  
root cell  
root cellar  
root chord  
root climber  
root crop  
root cutting  
root determinative  
root disease  
root division  
root field  
root for  
root gall  
root graft  
root grafting  
root hair  
root in  
root knot  
root mean square  
root nodule  
root of all evil  
root on  
root out  
root parasite  
root position  
root pressure
root rot
root sheath
root test
root tip
root up
root vole
root weevil
root-bound
root-bruising
root-built
root-devouring
root-digging
root-eating
root-feeding
root-hardy
root-inwoven
root-mean-square
root-neck
root-parasitic
root-parasitism
root-prune
root-pruned
root-stock
root-torn
rooted belief
rooting out
rope belting
rope brake
rope bridge
rope brown
rope dancer
rope enough to hang yourself
rope greaser
rope house
rope in
rope ladder
rope machine
rope maker
rope molding
rope of sand
rope off
rope race
rope railway
rope shoes
rope socket
rope spinner
rope stitch
rope twine
rope yarn
rope's end
rope-band
rope-bound
rope-closing
rope-dancer
rope-driven
rope-driving
rope-end
rope-fastened
rope-girt
rope-laying
rope-muscled
rope-pulling
rope-reeved
rope-shod
rope-sight
rope-spinning
rope-stock
rope-stropped
rope-work
rope-yarn
rope-yarn knot
roped off
roping horse
roping palm
ropy lava
rory-cum-tory
rory-tory
ros solis
rosa solis
rosa solises
rosary pea
rosary plant
rosary ring
rosary shell
rose acacia
rose aphid
rose apple
rose beetle
rose beige
rose bengale
rose blush
rose box
rose campion
rose carnation
rose chafer
rose champagne
rose chestnut
rose cold
rose comb
rose cross
rose cut
rose cutter
rose d’Anvers
rose daphne
rose diamond
rose drill
rose engine
rose fever
rose fever n
rose geranium
rose gray
rose lily
rose madder
rose mallow
rose mildew
rose milkweed
rose moss
rose noble
rose of China
rose of Heaven
rose of Jericho
rose of Sharon
rose of Jericho
rose of sharon
rose oil
rose opal
rose pink
rose point
rose purple
rose quartz
rose rial
rose slug
rose stitch
rose tickseed
rose water
rose weevil
rose willow
rose window
rose wine
rose worm
rose-a-ruby
rose-apple
rose-back
rose-bay
rose-bellied
rose-blue
rose-breasted
rose-breasted grosbeak
rose-bright
rose-bush
rose-campion
rose-carved
rose-chafer
rose-cheeked
rose-clad
rose-color
rose-colored
rose-colored glasses
rose-colored spectacles
rose-colorist
rose-colour
rose-coloured
rose-combed
rose-covered
rose-crowned
rose-cut
rose-diamond
rose-diffusing
rose-drop
rose-eared
rose-engine
rose-ensanguined
rose-faced
rose-fingered
rose-flowered
rose-fresh
rose-gathering
rose-geranium oil
rose-growing
rose-headed
rose-hedged
rose-hued
rose-leaf
rose-leaved
rose-lipped
rose-lit
rose-loving
rose-nail
rose-petty
rose-pink
rose-podded
rose-red
rose-ringed
rose-root
rose-scented
rose-shell reamer
rose-slug
rose-sweet
rose-tinged
rose-tinted
rose-tree
rose-warm
rose-water
rose-window
rose-wreathed
rosemary oil
roseo-
rosetta stone
rosetta wood
rosetta-wood
rosette plate
rosewood oil
rosh hashanah
rosin grease
rosin jack
rosin oil
rosin plant
rosin rose
rosin soap
rosin spirit
rosso antico
rostral column
rosy era
rosy expectation
rosy finch
rosy outlook
rosy pastor
rosy-armed
rosy-blushing
rosy-bosomed
rosy-cheeked
rosy-colored
rosy-crimson
rosy-dancing
rosy-eared
rosy-faced
rosy-finger’d morn
rosy-fingered
rosy-hued
rosy-lipped
rosy-purple
rosy-red
rosy-tinted
rosy-tipped
rosy-toed
rosy-warm
rot grass
rot-gut
rot-steep
rotary cultivator
rotary current
rotary drill
rotary engine
rotary gap
rotary hoe
rotary photogravure
rotary plough
rotary plow
rotary press
rotary pump
rotary shutter
rotary storm
rotary tiller
rotary wing
rotary-beam antenna
rotary-cut
rotary-piston engine
rotary-wing aircraft
rotating prism
rotating spit
rotation axis
rotation band
rotation of axes
rotation pool
rotation-inversion axis
rotational motion
rote learning
rote memory
rote song
rother nail
roto section
rotogravure press
rotor cloud
rotor motor
rotor plane
rotor ship
rott goose
rough measure
rough out
rough outline
rough passage
rough puff pastry
rough sea
rough sketch
rough spot
rough stuff
rough surface
rough trade
rough turner
rough up
rough usage
rough water
rough weather
rough wine
rough woodbine
rough-and-readiness
rough-and-ready
rough-and-tumble
rough-backed
rough-barked
rough-bearded
rough-bedded
rough-billed
rough-blustering
rough-board
rough-bordered
rough-cast
rough-cheeked
rough-clad
rough-clanking
rough-coat
rough-coated
rough-cut
rough-draw
rough-dried
rough-dry
rough-drying
rough-edge
rough-edged
rough-enter
rough-face
rough-faced
rough-feathered
rough-finned
rough-foliaged
rough-footed
rough-form
rough-fruited
rough-furrowed
rough-grained
rough-grind
rough-grinder
rough-grown
rough-hackle
rough-hackled
rough-haired
rough-handed
rough-handedness
rough-headed
rough-hew
rough-hew them how we will
rough-hewed
rough-hewing
rough-hewn
rough-hob
rough-hobbed
rough-hull
rough-jacketed
rough-keeled
rough-leaved
rough-legged
rough-legged buzzard
rough-legged hawk
rough-level
rough-lipped
rough-living
rough-looking
rough-mannered
rough-necked
rough-paved
rough-plain
rough-plane
rough-plastered
rough-plow
rough-plumed
rough-podded
rough-point
rough-ream
rough-reddened
rough-rider
rough-ridged
rough-roll
rough-sawn
rough-scaled
rough-seeded
rough-shape
rough-sketch
rough-skinned
rough-spirited
rough-spoken
rough-square
rough-stalked
rough-stemmed
rough-stone
rough-stringed
rough-surfaced
rough-swelling
rough-tailed
rough-tanned
rough-tasted
rough-textured
rough-thicketed
rough-toned
rough-tongued
rough-toothed
rough-tree
rough-tree rail
rough-turn
rough-turned
rough-voiced
rough-walled
rough-weather
rough-winged
rough-winged swallow
rough-write
rougher-down
rougher-out
rougher-up
roughing mill
roughing roll
roughing stone
roughing-in
roughly speaking
roulette table
roulette wheel
round a bend
round a corner
round a point
round about
round and round
round angle
round arch
round as a ball
round clam
round dance
round dancing
round down
round hand
round heart
round herring
round in
round kumquat
round lot
round number
round of applause
round of beef
round of drinks
round of pleasure
round of pleasures
round of visits
round off
round on
round out
round pace
round robin
round scale
round seizing
round shot
round steak
round sum
round table
round the bend
round the clock
round to
round top
round tower
round trade
round transaction
round trip
round turn
round turn and half hitch
round turn in the hawse
round up
round whitefish
round window
round-about-face
round-arch
round-arched
round-arm
round-arm blow
round-armed
round-backed
round-barreled
round-bellied
round-beset
round-billed
round-blazing
round-bodied
round-boned
round-bottomed
round-bowed
round-bowled
round-built
round-cell sarcoma
round-celled
round-cornered
round-crested
round-dancer
round-eared
round-edge
round-edged
round-end
round-eyed
round-faced
round-fenced
round-footed
round-fruited
round-furrowed
round-hand
round-handed
round-headed
round-heart
round-hoofed
round-horned
round-house
round-leafed
round-leaved
round-leaved dogwood
round-limbed
round-lipped
round-lobed
round-made
round-mouthed
round-nosed
round-podded
round-pointed
round-ribbed
round-rolling
round-rooted
round-seeded
round-shapen
round-shouldered
round-shouldred
round-sided
round-skirted
round-spun
round-stalked
round-table
round-table conference
round-tailed
round-the-clock
round-toed
round-topped
round-trip
round-trip ticket
round-tripper
round-trussed
round-turning
round-up
round-visaged
round-winged
round-wombed
round-worm
roundabout chair
roundabout system
roundabout way
rounded out
roundheaded apple tree borer
roundhouse curve
rounding adz
rounding off
rounding out
rounding-out
roundish-deltoid
roundish-faced
roundish-featured
roundish-leaved
roundish-ovobate
roundish-oval
roundish-ovate
roundish-shaped
roundnose chisel
rouse out
rout cake
rout chair
rout out
rout seat
route army
route march
route marker
route nationale
route order
route step
route survey
router patch
router plane
routing plane
rove beetle
rove iron
rove punch
rove-beetle
rove-over
rover ball
roving commission
roving iron
row away
row crop
row culture
row dry
row galley
row house
row of buttons
row of pins
row over
row vector
row-barge
row-boat
row-de-dow
row-dow-dow
row-off
row-port
rowan tree
rowan-tree
rowdy-dowdy
rowed of all
rowing boat
rowing crew
rowing machine
rowing port
rowlock arch
royal Canadian
royal antler
royal assent
royal authority
royal blue
royal coachman
royal colony
royal crown
royal duke
royal fern
royal fizz
royal flush
royal grant
royal icing
royal insignia
royal jelly
royal lily
royal marriage
royal mast
royal oak
royal palm
royal pendulum
royal personage
royal pink
royal poinciana
royal prerogative
royal purple
royal quarto
royal red
royal road
royal seat
royal stag
royal standard
royal tennis
royal warrant
royal water lily
royal-born
royal-chartered
royal-hearted
royal-rich
royal-souled
royal-spirited
royal-towered
royston crow
ruat caelum
rub against
rub against the grain
rub along
rub away
rub down
rub elbows with
rub in
rub iron
rub it in
rub noses
rub off
rub off corners
rub on
rub out
rub salt in the wound
rub the lamp
rub the picture off a nickel
rub the print off a dollar bill
rub the right way
rub the ring
rub the wrong way
rub up
rub your eyes
rub your hands
rub-a-dub
rub-dub
rubaiyat stanza
rubarth's disease
rubber ball
rubber band
rubber bandage
rubber cement
rubber check
rubber cheque
rubber cloth
rubber dinghy
rubber gloves
rubber goods
rubber hydrocarbon
rubber knife
rubber latex
rubber mallet
rubber oil
rubber plant
rubber plate
rubber shoes
rubber snake
rubber spreader
rubber stamp
rubber tissue
rubber tree
rubber varnisher
rubber vine
rubber vine
rubber-base paint
rubber-block print
rubber-coated
rubber-collecting
rubber-cored
rubber-covered
rubber-cutting
rubber-down
rubber-faced
rubber-growing
rubber-headed
rubber-lined
rubber-mixing
rubber-off
rubber-producing
rubber-proofed
rubber-reclaiming
rubber-set
rubber-slitting
rubber-soled
rubber-spooling
rubber-stamp
rubber-testing
rubber-tired
rubber-varnishing
rubber-yielding
rubberneck tour
rubbing alcohol
rubbing away
rubbing block
rubbing off
rubbing out
rubbing stone
rubbing varnish
rubbing-stone
rubbish bin
rubbish heap
rubbish unloader
rubble car
rubble masonry
rubble-work
rube faction
rube town
rubella vaccine
rubicon bezique
rubicon piquet
rubidium-strontium dating
ruby blende
ruby copper
ruby fly
ruby glass
ruby grass
ruby pin
ruby port
ruby red
ruby roller
ruby silver
ruby spaniel
ruby spinel
ruby sulphur
ruby wood
ruby zinc
ruby-berried
ruby-budded
ruby-circled
ruby-colored
ruby-crested
ruby-crowned
ruby-crowned kinglet
ruby-eyed
ruby-faced
ruby-headed
ruby-hued
ruby-lipped
ruby-lustered
ruby-necked
ruby-red
ruby-set
ruby-studded
ruby-throated
ruby-throated hummingbird
ruby-tinctured
ruby-tinted
ruby-toned
ruby-visaged
ruck up
rudder amidships
rudder angle
rudder band
rudder bar
rudder brake
rudder chain
rudder coat
rudder crosshead
rudder fish
rudder horn
rudder pedals
rudder pendant
rudder snug
rudder tackle
rudder torque
rudder-fish
ruddy duck
ruddy-bright
ruddy-brown
ruddy-cheeked
ruddy-colored
ruddy-complexioned
ruddy-faced
ruddy-gold
ruddy-haired
ruddy-headed
ruddy-leaved
ruddy-purple
ruddy-spotted
rude awakening
rude health
rude justice
rude reproach
rude-carved
rude-ensculptured
rude-fanged
rude-fashioned
rude-featured
rude-growing
rude-hewn
rude-looking
rude-made
rude-mannered
rude-spoken
rude-spokenrude-spun
rude-spun
rude-thoughted
rude-tongued
rude-washed
rudge wash
rue anemone
rue bargain
rue fern
rue oil
rue spleenwort
rue the day
ruff-coat
ruff-necked
ruff-tree
ruffed grouse
ruffian-like
ruffle your feathers
ruffle-
ruffle-headed
ruffled feelings
ruffy-tuffy
rufi-
rufo-
rufous-backed
rufous-banded
rufous-bellied
rufous-billed
rufous-breasted
rufous-brown
rufous-buff
rufous-chinned
rufous-colored
rufous-crowned
rufous-edged
rufous-haired
rufous-headed
rufous-hooded
rufous-naped
rufous-necked
rufous-rumped
rufous-spotted
rufous-tailed
rufous-tinged
rufous-toed
rufous-vented
rufous-winged
rufous-yellow
rufiter hood
rufiter-hood
rufty-tufty
rug designer
rug gown
rug maker
rug-cutter
rug-cutting
rug-gowned
rugby league
rugby union
rugged health
rugged individualism
rugged individualist
rugosa rose
rugose-leaved
rugose-punctate
ruhmkorff coil
ruin agate
ruin marble
ruin-breathing
ruin-crowned
ruin-heaped
ruin-hurled
ruin-loving
rule against
rule by terror
rule joint
rule nisi
rule of action
rule of conduct
rule of deduction
rule of eleven
rule of might
rule of nature
rule of the road
rule of the sword
rule of three
rule of thumb
rule off
rule out
rule over
rule the roost
rule with a rod of iron
rule with an iron fist
rule with an iron hand
rule-joint
rulebook slowdown
ruled out
ruled surface
ruled-out
ruler of th' inverted year
ruler-straight
rules committee
rules of conduct
rules of language
rules of war
ruling circle
ruling circles
ruling class
ruling classes
ruling elder
ruling engine
ruling machine
ruling out
ruling passion
ruly English
rum barge
rum blossom
rum cherry
rum essence
rum hound
rum mill
rum one
rum punch
rum ram ruf
rum shrub
rum sucker
rum truffle
rum-bred
rum-crazed
rum-drinking
rum-dum
rum-fired
rum-flavored
rum-hole
rum-mill
rum-nosed
rum-producing
rum-selling
rum-smelling
rumble seat
rumble-bumble
rumble-tumble
ruminate over
rummage out
rummage sale
rumored about
rump bone
rump roast
rump steak
rump-fed
rumpled feathers
rumpus room
run a chance
run a comparison
run a deficit
run a good chance
run a race
run a sample
run a specimen
run a temperature
run a tight ship
run a tilt
run a tilt at
run about
run abreast
run across
run afoul of
run after
run against
run aground
run along
run amok
run amuck
run an experiment
run around
run around with
run at
run at flank speed
run away
run away from
run away with
run back
run before
run before the wind
run before you can walk
run broadside on
run by
run circles around
run counter to
run down
run down the latitude
run down the wind
run dry
run end on
run for
run for it
run for office
run for your life
run for your money
run foul of
run from
run head and head
run head on
run in
run in couples
run in opposition to
run in pursuit of
run in the blood
run in the family
run in the head
run in with
run interference for
run into
run into a brick wall
run into a corner
run into danger
run into debt
run into money
run into port
run into the ground
run its course
run like a scared rabbit
run like mad
run low
run mad
run mad after
run neck and neck
run of luck
run of the cards
run of the mill
run of things
run off
run off at the mouth
run off with
run on
run on in a groove
run on like a mill race
run on the rocks
run out
run out a rope
run out a warp
run out of
run out of patience
run out of steam
run out of time
run out of town
run out on
run over
run parallel
run parallel to
run prow on
run ragged
run rings around
run riot
run scared
run short
run short of
run smack into
run smoothly
run the chance
run the eye over
run the eye through
run the fingers over
run the gauntlet
run the hazard
run the risk
run the show
run through
run to
run to earth
run to seed
run to waste
run together
run true to form
run true to type
run under bare poles
run up
run up a bill
run up a score
run up against
run up an account
run upon
run upon a bank
run wide open
run wild
run with
run with the pack
run with the wind
run with the wind quartering
run you hard
run your eye over
run your head against
run-about
run-around
run-down
run-down neighborhood
run-in
run-of-mill
run-of-mine
run-of-paper
run-of-the-mill
run-of-the-mine
run-on
run-on sentence
run-out
run-over
run-through
run-up
runaround, the
runaway ship
runaway shop
runaway victory
runcible spoon
rune-bearing
rune-inscribed
rune-staff
rune-stave
rune-stone
rung of the ladder
runic alphabet
runic character
runic symbol
runic verse
runner and tackle
runner bean
runner foot
runner peanut
runner stick
runner tackle
runner-up
runners-up
running English
running account
running away
running board
running bond
running bowline
running bowsprit
running broad jump
running commentary
running dive
running dog
running down
running engagement
running fight
running fire
running fit
running for office
running free
running gaff
running gate
running gear
running hand
running head
running high jump
running in
running in the blood
running in the race
running in the strain
running jump
running knot
running light
running livestock
running mad
running martingale
running mate
running myrtle
running noose
running out of time
running over
running pine
running rhythm
running rigging
running sore
running start
running stitch
running story
running text
running title
running track
running water
running wild
running-birch
running-down clause
running-out fire
running-out of the sands
runo-
runoff election
runoff primary
runway light
runway lights
rupert's drop
rupture yourself
ruptured duck
rural dean
rural deanery
rural delivery
rural district
rural economics
rural economy
rural free delivery
rural idiocy
rural market
rural route
rural science
rus in urbe
rush about
rush ahead
rush along
rush around
rush at
rush basket
rush bearing
rush broom
rush candle
rush daffodil
rush garlic
rush grass
rush hour
rush in
rush into
rush light
rush lily
rush marsh grass
rush of emotion
rush off
rush order
rush ring
rush through
rush to the assistance of
rush up on one
rush up on you
rush wheat
rush-bearer
rush-bearing
rush-bordered
rush-bottomed
rush-candle
rush-floored
rush-fringed
rush-girt
rush-grown
rush-hour
rush-leaved
rush-like
rush-margined
rush-ring
rush-seated
rush-stemmed
rush-strewn
rush-wove
rush-woven
russel cord
russell's viper
russet coat
russet-backed
russet-bearded
russet-brown
russet-coated
russet-colored
russet-golden
russet-green
russet-pated
russet-robed
russet-roofed
russia leather
russian blue
russian olive
russian thistle
russian wolfhound
russo-
rust brown
rust bucket
rust cement
rust coat
rust fungus
rust joint
rust mite
rust of antiquity
rust together
rust-cankered
rust-colored
rust-complexioned
rust-eaten
rust-preventing
rust-proofed
rust-red
rust-removing
rust-resisting
rust-stained
rust-worn
rust-yellow
rustic region
rustic style
rustic work
rustle up
rusts smuts
rusty black
rusty blackbird
rusty dab
rusty gum
rusty-branched
rusty-brown
rusty-coated
rusty-collared
rusty-colored
rusty-crowned
rusty-dusty
rusty-fusty
rusty-leaved
rusty-looking
rusty-red
rusty-rested
rusty-spotted
rusty-throated
ruthenium oxide
ruthenium red
ruherford atom
rye bread
rye grass
rye rust
rye smut
rye whiskey
rye whisky
rye-bread
rye-brome
rye-grass
s ap
s os
s t
s'il vous pla
s'il vous plait
sa sa
sab-cat
sabai grass
sabbath school
sabbath-day
sabbatical leave
sabbatical year
saber bean
saber fish
saber knot
saber rattling

Open Source Used In CSPC_Collector 2.9.1 21407
saber shin
saber-legged
saber-rattling
saber-shaped
saber-toothed
saber-toothed cat
saber-toothed tiger
sabicu wood
sable antelope
sable iron
sable night
sable-bordered
sable-cinctured
sable-cloaked
sable-colored
sable-hooded
sable-lettered
sable-robed
sable-spotted
sable-stoled
sable-suited
sable-vested
sable-vested Night
sable-visaged
sabre-toothed tiger
sac de nuit
sac fungus
sac-a-lait
sac-wrist
sacchar-
saccharic acid
saccharifying enzyme
saccharin insoluble
saccharin sodium
saccharine sorghum
saccharo-
saccharolactic acid
sacer vates
sachet powder
sack baler
sack baling
sack beater
sack borer
sack carrier
sack checker
sack cleaner
sack cloud
sack coal
sack coat
sack collector
sack cutter
sack doubler
sack dress
sack duty
sack elevator
sack emptier
sack examiner
sack hand
sack hoist
sack holder
sack lifter
sack machinist
sack maker
sack mender
sack moth
sack out
sack packer
sack printer
sack race
sack racer
sack racing
sack repairer
sack running
sack searcher
sack sewer
sack shaker
sack shoot
sack sorter
sack store
sack suit
sack superintendent
sack tackle
sack the
sack time
sack tree
sack up
sack weight
sack-bearer
sack-coated
sack-formed
sack-sailed
sack-shaped
sack-winged
sackcloth and ashes
sacking needle
sacr-
sacra peregrina
sacrament chapel
sacrament cloth
sacrament house
sacrament of matrimony
sacramental anointment
sacramental offering
sacramental wine
sacred Nine
sacred anchor
sacred article
sacred baboon
sacred bamboo
sacred calling
sacred canon
sacred cow
sacred ibis
sacred lotus
sacred mushroom
sacred music
sacred orders
sacred quality
sacred relics
sacred thread
sacred unction
sacred writings
sacred, the
sacred-bean family
sacrifice bunt
sacrifice fly
sacrifice hit
sacrifice yourself for
sacrificial anode
sacring bell
sacring-bell
sacro-
sacro-uterine
sad cake
sad case
sad disappointment
sad of heart
sad person
sad sack
sad sack of shit
sad times
sad tree
sad work
sad-a-vised
sad-colored
sad-eyed
sad-faced
sad-iron
sad-looking
sad-natured
sad-paced
sad-seeming
sad-tuned
sad-voiced
saddle band
saddle bar
saddle blanket
saddle block
saddle boiler
saddle bracket
saddle carpenter
saddle case
saddle chimes
saddle clip
saddle crutch
saddle currier
saddle cutter
saddle feathers
saddle fitter
saddle flange
saddle flap
saddle fungus
saddle gall
saddle girth
saddle glacier
saddle grafting
saddle gun
saddle hackle
saddle hand
saddle hip
saddle horn
saddle horse
saddle house
saddle hub
saddle iron
saddle joint
saddle key
saddle lap
saddle lashing
saddle leather
saddle maker
saddle making
saddle mat
saddle nail
saddle of mutton
saddle on
saddle ox
saddle oxford
saddle oyster
saddle pad
saddle pile
saddle piling
saddle pin
saddle pistol
saddle plant
saddle plate
saddle pocket
saddle point
saddle pommele
saddle press
saddle rack
saddle reef
saddle rock
saddle roof
saddle room
saddle rug
saddle seam
saddle seamer
saddle seat
saddle shell
saddle shoe
saddle skirt
saddle soap
saddle sore
saddle spot
saddle spring
saddle staple
saddle stirrup
saddle stitch
saddle stitcher
saddle stitching
saddle stone
saddle strap
saddle tank
saddle trunk
saddle upon
saddle wire stitch
saddle wiring
saddle with
saddle withers
saddle worker
saddle-backed
saddle-bag
saddle-billed
saddle-bow
saddle-check chair
saddle-cloth
saddle-fast
saddle-galled
saddle-girt
saddle-graft
saddle-nosed
saddle-shaped
saddle-sore
saddle-spotted
saddle-stitch
saddle-tree
saddle-wired
saddleback roof
saddleback stitch
sadist torturer
sadistic cruelty
saeva indignatio
safari ant
safari jacket
safari park
safari suit
safe and sound
safe builder
safe district
safe edge
safe finisher
safe fitter
safe hands
safe haven
safe lifter
safe lock
safe maker
safe painter
safe period
safe stuffer
safe-bestowed
safe-blower
safe-borne
safe-breaker
safe-conduct
safe-cracker
safe-deposit
safe-deposit box
safe-deposit vault
safe-edge file
safe-hidden
safe-hold
safe-keeping
safe-marching
safe-moored
safe-sequestered
safe-time
safeguarding duty
safety arch
safety belt
safety bicycle
safety bolt
safety buoy
safety cage
safety car
safety catch
safety chain
safety clause
safety control
safety curtain
safety disk
safety dog
safety edge
safety equipment
safety explosive
safety factor
safety film
safety first
safety funnel tube
safety fuse
safety fuze
safety glass
safety hanger
safety hoist
safety hook
safety island
safety isle
safety lamp
safety lift
safety link
safety lintel
safety lock
safety loop
safety man
safety match
safety nut
safety paper
safety pin
safety pinion
safety plug
safety rail
safety razor
safety roller
safety setscrew
safety shoes
safety spring
safety squeeze
safety squeeze play
safety stop
safety switch
safety switchboard
safety tire
safety tube
safety valve
safety wire
safety zone
safety-deposit
safety-deposit box
safety-deposit vault
safety-fund system
safety-pin
safety-valve
safflower carmine
safflower oil
safflower red
saffron cake
saffron cordial
saffron crocus
saffron gatherer
saffron kiln
saffron oil
saffron plum
saffron robe
saffron thistle
saffron veil
saffron yellow
saffron-colored
saffron-hued
saffron-yellow
safrano pink
sag rod
sag to leeward
saga novel
sage Derby
sage ale
sage apple
sage brush green
sage cheese
sage chippy
sage cock
sage green
sage grouse
sage hare
sage hen
sage mullein
sage oil
sage rabbit
sage sparrow
sage tea
sage thrasher
sage tree
sage willow
sage wine
sage wormwood
sage-colored
sage-covered
sage-leaf
sage-leaf mullein
sage-leaved
sagging in folds
sagging market
sagittal suture
sago fern
sago flour
sago grass
sago palm
sago plant
sago spleen
sago tree
sahuca bean
sail against the wind
sail arm
sail away
sail away from
sail before the wind
sail burton
sail by the wind
sail canvas
sail carrier
sail close to the wind
sail close-hauled
sail closer to the wind
sail coast-wise
sail down the wind
sail drill
sail duck
sail fine
sail fluke
sail for
sail free
sail full and by
sail furler
sail gang
sail grommet
sail ho
sail hook
sail hoop
sail in the teeth of the wind
sail in the wind's eye
sail into
sail into the wind's eye
sail keeper
sail lizard
sail loft
sail model
sail near the wind
sail needle
sail netting
sail off the wind
sail on the wind
sail packet
sail part
sail plan
sail pulley
sail room
sail rope
sail round
sail sewer
sail sewing
sail the ocean blue
sail the sea
sail thimble
sail thread
sail to the windward of
sail to windward
sail too close to the wind
sail too near the wind
sail trimmer
sail twine
sail under false colors
sail with the wind
sail with the wind aft
sail with the wind quartering
sail yard
sail-bearing
sail-borne
sail-broad
sail-carrying
sail-dotted
sail-filling
sail-over
sail-propelled
sail-stretched
sail-winged
sailfin sculpin
sailing aid
sailing auxiliary
sailing barge
sailing boat
sailing canoe
sailing car
sailing cruiser
sailing day
sailing dinghy
sailing instructions
sailing launch
sailing master
sailing match
sailing orders
sailing packet
sailing ship
sailing sucker
sailing trawler
sailing trim
sailing vessel
sailing vessels
sailing yacht
sailmaker's needle
sailmaker's palm
sailor blue
sailor boy
sailor cap
sailor fish
sailor gang
sailor hat
sailor helmsman
sailor laborer
sailor lad
sailor phrase
sailor plant
sailor suit
sailor tie
sailor's breastplate
sailor's choice
sailor's knot
sailor's-choice
sailor-fashion
sailor-fisherman
sailor-looking
sailor-mind
sailor-poet
sailor-soul
sailor-train
sailors' snug harbor
saint agnes's eve
saint andrew's cross
saint anthony's cross
saint anthony's fire
saint bernard
saint elmo's fire
saint louis encephalitis
saint maker
saint making
saint martin's summer
saint valentine's day
saint's day
saint's legend
saint-errant
saint-errantry
saint-john's-wort
saker falcon
sal alembroth
sal ammoniac
sal armoniac
sal soda
sal tartari
sal tree
sal volatile
sal-ammoniac
sal-prunella
salaam aleikum
salad bowl
salad burnet
salad course
salad days
salad dish
salad dressing
salad fork
salad herb
salad nicoise
salad oil
salad plate
salad rocket
salad server
salad spoon
salad tree
salai tree
salamander stove
salaried worker
salary deduction
salary savings insurance
sale and leaseback
sale at auction
sale block
sale by auction
sale note
sale price
sale to the highest bidder
sale-over
saleratus weed
sales account
sales agency
sales agent
sales book
sales campaign
sales check
sales engineer
sales floor
sales force
sales journal
sales ledger
sales manager
sales note
sales personnel
sales pitch
sales promotion
sales register
sales resistance
sales talk
sales tax
salfern stoneseed
sali-
salicyl alcohol glucoside
salicylic acid
salicylic aldehyde
salient angle
salient fact
salient point
salino-
salisbury steak
salivary digestion
salivary gland
salivary glands
salivary secretion
salk vaccine
salle a manger
salle d'armes
salle d'attente
salle de danse
sallee-man
sallow-cheeked
sallow-colored
sallow-complexioned
sallow-faced
sallow-looking
sallow-visaged
sally forth
sally lunn
sally picker
sally port
salmon brick
salmon cloud
salmon color
salmon disease
salmon family
salmon fisher
salmon fisherman
salmon fishery
salmon fishing
salmon fly
salmon hatchery
salmon herring
salmon ladder
salmon loaf
salmon oil
salmon peal
salmon pink
salmon river
salmon rod
salmon smelt
salmon spear
salmon spearing
salmon steak
salmon tail
salmon trout
salmon wheel
salmon-breeding
salmon-colored
salmon-haunted
salmon-pink
salmon-rearing
salmon-red
salmon-tinted
salmon-trout
salon de beaute
salon music
saloon bar
saloon car
saloon carriage
saloon deck
saloon keeper
saloon pistol
salping-
salpingo-
salpingo-oophorectomy
salpingo-oophoritis
salpingo-ovariotomy
salpingo-ovaritis
salpingo-ureterostomy
salt a mine
salt acid
salt and pepper beard
salt and pepper hair
salt away
salt barrel
salt bed
salt beef
salt block
salt bottom
salt box
salt brig
salt cake
salt cedar
salt chrome
salt coffer
salt conveyer
salt crusher
salt crystal
salt dome
salt down
salt drawer
salt dryer
salt duty
salt eel
salt elevator
salt evaporator
salt filler
salt filter
salt fireman
salt firm
salt fish
salt flat
salt furnace
salt garden
salt gauge
salt glaze
salt glazing
salt grainer
salt grape
salt grass
salt grinder
salt hay
salt heaver
salt holder
salt horse
salt in the wound
salt junk
salt kettle
salt lake
salt lick
salt loader
salt lump
salt maker
salt marsh
salt master
salt millman
salt mine
salt miner
salt of phosphorus
salt of sorrel
salt of the earth
salt out
salt pack
salt pan
salt pansmith
salt pit
salt plug
salt pocket
salt pond
salt pork
salt prairie
salt press
salt rammer
salt reed grass
salt refiner
salt rheum
salt room
salt screen
salt sea
salt seller
salt shaker
salt shop
salt shovel
salt soda
salt something away
salt spoon
salt spring
salt stain
salt stick
salt tax
salt tree
salt trimmer
salt trough
salt vase
salt washer
salt water
salt well
salt yard
salt-and-pepper
salt-box
salt-box house
salt-cat
salt-cellar
salt-cured
salt-edged
salt-free diet
salt-glazed
salt-glazed ware
salt-green
salt-hard
salt-incrusted
salt-laden
salt-loving
salt-marsh aster
salt-marsh caterpillar
salt-marsh fleabane
salt-marsh gerardia
salt-marsh goldenrod
salt-marsh grass
salt-marsh hen
salt-marsh mosquito
salt-marsh moth
salt-marsh terrapin
salt-pan
salt-rheum weed
salt-rising
salt-rising bread
salt-spilling
salt-watery
salt-white
salted peanuts
salting bath
salting box
salting house
salting kit
salting pan
salting press
salting room
salting trough
salting tub
salt peter paper
salt peter rot
saltwater sailor
saltwater taffy
saltwort family
salus populi suprema lex esto
salutatory address
salute with
saluto dor
saluto doro
salvage corps
salvage man
salvation army
salve bug
salve mull
salver-shaped
salvia blue
salvinia family
salvo point
sam browne
sam browne belt
sam-sodden
samadera bark
same but different
same here
same mind
same old story
same, the
same-colored
same-featured
same-minded
same-seeming
same-sized
same-sounding
sample ballot
sample book
sample bottle
sample box
sample boy
sample cabinet
sample card
sample carrier
sample case
sample catcher
sample cutter
sample drawer
sample driller
sample envelope
sample holder
sample maker
sample making
sample ore
sample passer
sample phial
sample picker
sample point
sample porter
sample roll
sample room
sample space
sample tester
sample trunk
sample vial
sampling inspection
sampling shovel
samson post
samson’s post
san benito
san jacinto day
san jose scale
san-gaku
sancho panza
sancho pedro
sancte bell
sanctioned conduct
sanctimonious fraud
sanction mark
sanctioned behavior
sanctuary knocker
sanctuary ring
sanctum sanctorum
sanctus bell
sanctus turret
sand anchor
sand badger
sand bar
sand bath
sand bear
sand bellows
sand belt
sand binder
sand bird
sand blackberry
sand blaster
sand blindness
sand block
sand blower
sand bluestem
sand boil
sand brier
sand buffer
sand bug
sand bunker
sand burner
sand calciner
sand car
sand caster
sand casting
sand castle
sand cherry
sand chute
sand clam
sand clock
sand cloth
sand clover
sand cock
sand collar
sand column
sand cone
sand conveyer
sand corn
sand crab
sand crack
sand crater
sand cricket
sand cusk
sand dab
sand darter
sand digger
sand disease
sand diver
sand dollar
sand dredge
sand dropseed
sand drown
sand dune
sand eel
sand finish
sand flag
sand flask
sand flat
sand flea
sand flotation
sand flounder
sand fluke
sand fly
sand fox
sand gall
sand grape
sand grass
sand grouse
sand hill
sand hog
sand hoist
sand hole
sand hopper
sand hornet
sand in the eyes
sand jack
sand jet
sand lance
sand lark
sand launce
sand leek
sand lily
sand line
sand lizard
sand lob
sand lotter
sand martin
sand mason
sand mist
sand mixer
sand mold
sand molding
sand mole
sand monitor
sand mouse
sand mullet
sand myrtle
sand nettle
sand oat
sand pail
sand painter
sand painting
sand partridge
sand pear
sand phlox
sand pig
sand pigeon
sand pike
sand pile
sand pillar
sand pine
sand pipe
sand pit
sand plain
sand plover
sand plum
sand prey
sand pride
sand pump
sand rat
sand reed
sand reef
sand reel
sand rocket
sand roll
sand roller
sand runner
sand saucer
sand scoop
sand screw
sand sedge
sand shark
sand shell
sand shoe
sand skink
sand skipper
sand smelt
sand snake
sand snipe
sand spout
sand spurry
sand squeteague
sand star
sand stargazer
sand strake
sand sucker
sand swallow
sand table
sand tester
sand tiger
sand trap
sand trout
sand tube
sand verbena
sand vetch
sand vine
sand violet
sand viper
sand walk
sand wasp
sand whiting
sand widgeon
sand yacht
sand-bag
sand-bar willow
sand-belt machine
sand-blight
sand-blind
sand-blindness
sand-blown
sand-bottomed
sand-box
sand-built
sand-buried
sand-burned
sand-cast
sand-cloth
sand-colored
sand-etched
sand-faced
sand-finished
sand-float finish
sand-floated
sand-fly bush
sand-fly fever
sand-glass
sand-groper
sand-hemmed
sand-hill
sand-hill bloom
sand-hill crane
sand-hill rose
sand-hill rosemary
sand-hiller
sand-lime
sand-lime brick
sand-lot
sand-paper
sand-red
sand-strewn
sand-struck
sand-warped
sandal brick
sandal tree
sandalwood family
sandalwood oil
sandalwood tan
sandarac tree
sandbeach grape
sandbox tree
sanders blue
sandhill crane
sanding machine
sandpaper fig
sandpaper starwort
sandpaper tree
sands of the sea
sands of time
sandwich batten
sandwich beam
sandwich board
sandwich boy
sandwich cake
sandwich coin
sandwich compound
sandwich course
sandwich girder
sandwich man
sandwich shop
sandwich tern
sandy blight
sandy loam
sandy-bearded
sandy-bottomed
sandy-colored
sandy-flaxen
sandy-haired
sandy-pated
sandy-red
sandy-rufous
sane-minded
sang de bouf
sang-de-boeuf
sang-dragon
sang-froid
sanga-sanga
sanguinary ant
sanguine expectation
sanguine humor
sanguine-complexioned
sanitary belt
sanitary cordon
sanitary engineer
sanitary engineering
sanitary napkin
sanitary towel
sanitation-proof
sans appel
sans ceremonie
sans doute
sans facon
sans pareil
sans peur et sans reproche
sans reproche
sans serif
sans souci
sans-culotte
sans-culotterie
sans-culottic
sans-culottid
sans-culottide
sans-culottides
sans-culottish
sans-culottism
sans-culottist
sans-culottize
sans-serif
sant tree
santa claus
santa gertrudis
santal oil
santalwood oil
sanwa millet
sap cavity
sap chafer
sap fagot
sap flow
sap green
sap gum
sap pine
sap roller
sap rot
sap shield
sap stain
sap the foundations
sap the foundations of
sap the strength of
sap tree
sap tube
sap-green
sap-wood
sapele mahogany
saphenous vein
sapling cup
sapodilla family
sapodilla plum
saponification number
saponification value
sapota gum
sapper and miner
sapphire blue
sapphire-blue
sapphire-colored
sapphire-hued
sapphire-visaged
sappy spot
sap-
sapro-
sapta-matri
sapucaia nut
sapucaia-nut family
sapwood rot
saratoga trunk
sarc-
sarco-
sarcoptic mange
sardine box
sardine can
sardine factory
sardine fishery
sardine oil
sardine shears
sardine tongs
sardonic grin
sargasso weed
sargassum crab
sargassum fish
sargassum pipefish
sargassum shell
sarsen stone
saru-gaku
sarus crane
sash bar
sash chain
sash cord
sash curtain
sash fast
sash fillister
sash holder
sash house
sash line
sash lock
sash maker
sash making
sash plane
sash pocket
sash ribbon
sash saw
sash ventilation
sash weight
sash window
sash-window
sashay along
sashay off
sassa gum
sassafras laurel
sassafras medulla
sassafras nut
sassafras oil
sassafras pith
sassafras tea
sassy bark
satan monkey
satanic cunning
satchel charge
satellite DNA
satellite relay
satellite sphinx
satellite status
satem language
satin bird
satin bowerbird
satin cloth
satin glass
satin grass
satin moth
satin sheeting
satin spar
satin sparrow
satin stitch
satin stone
satin sultan
satin walnut
satin weave
satin white
satin-backed
satin-faced
satin-finished
satin-flower
satin-leaved
satin-lidded
satin-lined
satin-shining
satin-smooth
satin-striped
satin-worked
satiric humor
satiric wit
satirical novel
satirical poetry
satisfaction piece
satisfactory amount
satisfy requirements
satisfy your obligations
satisfy yourself
satisfy yourself on that point
saturated fat
saturated liquid
saturated vapor
saturating oil
saturation bombing
saturation current
saturation curve
saturation factor
saturation level
saturation point
saturation pressure
saturation raid
saturnalia of blood
satyr butterfly
satyr orchid
sauba ant
sauc boat
sauce espagnole
sauce-alone
sauce-boat
sauce-crton
saucer dome
saucer eye
saucer eyes
saucer lake
saucer-eyed
saucer-shaped
sauna bath
saunce bell
saunders blue
sauro-
sausage balloon
sausage bassoon
sausage curl
sausage dog
sausage filler
sausage maker
sausage making
sausage meat
sausage poisoning
sausage roll
sausage tree
sausage turning
sausage-fingered
sausage-shaped
saussurite gabbro
saut de basque
sauter aux yeux
sauts de basque
sauva ant
sauve qui peut
sauve-qui-peut
sauvignon blanc
savage-featured
savage-fierce
savage-hearted
savage-looking
savage-spoken
savage-wild
savanilla rhatany
savanna blackbird
savanna flower
savanna forest
savanna sparrow
savanna wattle
savanna woodland
savate expert
save and except
save as you earn
save face
save for a rainy day
save the necessity
save to fall back on
save to fall back upon
save up
save your bacon
save your breath
save your face
save your neck
save your skin
save yourself
save-all
saved by the bell
saved soul
savin oil
savin-leaved
saving clause
saving grace
saving your reverence
savings account
savings and loan association
savings bank
savings bank life insurance
savings bond
savings insurance
savings stamp
savoir faire
saw steel
saw straightener
saw swage
saw table
saw teeth
saw the air
saw tooth
saw tree
saw vise
saw wedge
saw wood
saw wrack
saw wrest
saw-billed
saw-edged
saw-fly
saw-handled
saw-leaved
saw-pierce
saw-pit
saw-shaped
saw-tooth wave
saw-toothed
saw-whet
saw-whet owl
saw-wort
sawara cypress
sawarra nut
sawbuck table
sawdust trail
sawed-off
sawed-off shotgun
sawing block
sawing stop
sawn-off
sawtooth roof
sawyer beetle
sax-horn
saxe blue
saxicava sand
saxifrage family
saxifrage pink
say 'amen' to
say 'ditto' to
say 'no'
say 'yes' to
say a good word for
say a word to the wise
say again
say amen to
say aside
say aye
say by the way
say cast
say farewell
say good-bye
say goodbye to
say grace
say hello
say in defense
say in reply
say nay
say neither yes nor no
say no
say no to
say nothing
say one's say
say out
say over
say over again
say over and over
say something nice about
say that all is for the best
say the word
say to yourself
say uncle
say what comes uppermost
say what you think
say yes
say your lesson
say your prayers
say your say
say-nothing
say-so
scab mite
scab over
scabbed fish
scabby mouth
scabby-headed
scaffolded net
scaffold nail
scala cordonata
scala media
scalar field
scalar product
scalar triple product
scald crow
scald' head
scald-fish
scalding hot
scale armor
scale beam
scale book
scale bug
scale buying
scale carp
scale caterpillar
scale charge
scale cordonate
scale degree
scale dove
scale down
scale drawing
scale duck
scale effect
scale fern
scale figure
scale fly
scale insect
scale leaf
scale louse
scale maker
scale making
scale micrometer
scale modulus
scale moss
scale off
scale passage
scale pipette
scale plan
scale plate
scale quail
scale reading
scale rule
scale selling
scale singing
scale stair
scale stone
scale the heights
scale the walls
scale wax
scale worm
scale-bearing
scanning line
scanning pattern
scanning speech
scansorial barbet
scant of
scant sufficiency
scantling number
scantling-draft vessel
scap net
scape grace
scape wheel
scape-bearing
scapho-
scapolite group
scapolite-gabbro
scapular medal
scapular-shaped
scapulo-
scar end
scar tissue
scar-bearer
scar-bearing
scar-clad
scar-faced
scar-seamed
scarab beetle
scarb-tree
scarce as hen's teeth
scarce-closed
scarce-cold
scarce-covered
scarce-discerned
scarce-found
scarce-heard
scarce-met
scarce-moving
scarce-parted
scarce-seen
scarce-told
scarce-warned
scarcey any
scarcey anything
scarcey ever
scarcey heard
scarcey like
scarcey to be anticipated
scarcey to be expected
scarcey than hen's teeth
scarcity price
scare away
scare bullfinch
scare goose
scare hell out of
scare off
scare one spitless
scare one stiff
scare shitless
scare stiff
scare the life out of
scare the pants off of
scare the shit out of
scare to death
scare up
scare-bear
scare-beggar
scare-bird
scare-devil
scare-fire
scare-fish
scare-fly
scare-hawk
scare-hog
scare-mouse
scare-peddler
scare-robin
scare-sheep
scare-sinner
scare-sleep
scare-thief
scare-vermin
scared rabbit
scared shitless
scared stiff
scared to death
scaredy-cat
scarf cloud
scarf joint
scarf maker
scarf making
scarf weld
scarf-skin
scarfed joint
scaring off
scarlet bugler
scarlet clematis
scarlet eggplant
scarlet fever
scarlet hat
scarlet larkspur
scarlet letter
scarlet lightning
scarlet lobelia
scarlet lycnis
scarlet madder
scarlet monkey flower
scarlet ocher
scarlet pimpernel
scarlet plume
scarlet runner
scarlet runners
scarlet sage
scarlet tanager
scarlet woman
scarlet-ariled
scarlet-barred
scarlet-berried
scarlet-blossomed
scarlet-breasted
scarlet-circled
scarlet-clad
scarlet-coated
scarlet-colored
scarlet-crested
scarlet-day
scarlet-faced
scarlet-flowered
scarlet-fruitred
scarlet-gowned
scarlet-haired
scarlet-lined
scarlet-lipped
scarlet-red
scarlet-robbed
scarlet-tipped
scarlet-vermillion
scarp wall
scarph joint
scat singing
scat-
scato-
scatological literature
scatter diagram
scatter pin
scatter pins
scatter rug
scatter seed
scatter shot
scatter to the winds
scatter-brain
scatter-brained
scatter-gun
scaup duck
scaup-duck
scavenger beetle
scavenger hunt
scavenger's daughter
scenario writer
scene cloth
scene dock
scene master
scene of action
scene pack
scene painter
scene painting
scene plot
scene-stealer
scenery wagon
scenic artist
scenic railway
scenic view
scent article
scent bag
scent ball
scent bottle
scent box
scent from afar
scent gland
scent out
scent scale
scented fern
scented grass
scented oak fern
scented tea
scented verbena
scentless camomile
schappe silk
schedule of operation
schedule rate
scheduled airline
scheduled castes
scheduled territories
scheme arch
scheme of arrangement
scheme out
schenk beer
schick test
schiller spar
schist oil
schistosome dermatitis
schiz-
schizo-
schizoid personality
schizothymic personality
schlieren effect
schlieren method
schlieren photography
schlock house
schlock rock
schlock shop
schmidt system
schola cantorum
scholae cantorum
scholarly edition
scholastic institution
scholastic theology
school account
school age
school agent
school airship
school aptitude
school argument
school author
school badge
school bass
school bell
school bench
school board
school brush
school building
school bus
school case
school chalk
school chapel
school chart
school child
school chum
school clamp
school clerk
school clock
school commissioner
school committee
school companion
school crayon
school day
school desk
school dictionary
school district
school divine
school divinity
school doctor
school door
school drilling
school edition
school emblem
school equipment
school ethics
school exercise
school fee
school for the handicapped
school friendship
school furniture
school garden
school globe
school grade
school grammar
school hour
school inspector
school kid
school lad
school land
school language
school library
school life
school locker
school logic
school manager
school manner
school map
school matter
school medicine
school model
school moralist
school morality
school name
school nurse
school of architecture
school of art
school of arts and crafts
school of communications
school of continuing education
school of design
school of drama
school of dramatic arts
school of education
school of fine arts
school of graphic arts
school of philosophy
school of the performing arts
school of thought
school officer
school omnibus
school opinion
school organ
school pad
school paper
school pedantry
school pence
school philosopher
school philosophy
school phrase
school playground
school porter
school prank
school principal
school prize
school publication
school publisher
school question
school quiddity
school railing
school ranking
school rating
school register
school ring
school roof
school rule
school savings bank
school scale
school schnapper
school scissors
school seat
school seating
school section
school shark
school ship
school sign
school signal
school slate
school snapper
school strap
school subtlety
school superintendent
school supervisor
school survey
school syllogism
school table
school tablet
school tax
school team
school term
school testing
school theology
school tie
school trick
school vacation
school ventilator
school vise
school wage
school wagon
school warden
school wardrobe
school welfare officer
school without walls
school year
school-age
school-bred
school-house
school-leaving
school-made
school-magisterial
school-taught
school-trained
schools and movements
schools of
schooner bark
schooner ketch
schooner rig
schooner-rigged
schorl-granite
schorl-rock
schreiner finish
sci-fi
sciara army worm
sciatic artery
sciatic foramen
sciatic neuritis
science dictionary
science fiction
science in the flesh
science of being
science of discursive thought
science of human behavior
science of language
science of man
science of mind
science of the mind
science of war
science-fiction novel
scientia est potentia
scientia scientiarum
scientific education
scientific exactness
scientific humanism
scientific management
scientific method
scientific name
scientific socialism
scientifically exact
scimitar foot
scimitar-shaped
scintillation counter
scintillation spectrometer
scire facias
scissor blade
scissor case
scissor chain
scissor kick
scissor maker
scissor making
scissor screw
scissor sharpener
scissor tooth
scissor-fashion
scissor-grinder
scissor-legs
scissor-tailed
scissor-winged
scissors blade
scissors case
scissors chain
scissors chair
scissors fault
scissors hardener
scissors kick
scissors maker
scissors making
scissors pipe
scissors sharpener
scissors truss
scissors worker
scissors-fashion
scissors-grinder
scissors-shaped
scissors-smith
scler-
sclero-
sclero-oophoritis
sclero-optic
sclerosing inflammation
sclerotium disease
scoff at
scoinson arch
scold's bridle
scolding bridle
scolding stool
scolding winds
sconcheon arch
scone cap
scoop bonnet
scoop driver
scoop neck
scoop neckline
scoop net
scoop out
scoop seat
scoop shovel
scoop the market
scoop wheel
scoop, the
scoop-net
scope of mind
scope of vision
scopol-
scops owl
scorched earth
scorched earth policy
scorched-earth tactics
scorching hot
score a breakthrough
score a bull's eye
score a success
score card
score off
score playing
score sheet
score up
scorn to accept
scorn to receive
scornful laugh
scornful smile
scorpion broom
scorpion bug
scorpion fish
scorpion fly
scorpion grass
scorpion iris
scorpion lobster
scorpion mouse
scorpion oil
scorpion plant
scorpion senna
scorpion shell
scorpion spider
scorpion thorn
scot and lot
scot-free
scotch broth
scotch cap
scotch roman
scotch terrier
scotch verdict
scotch whisky
scotch woodcock
scotch your wheel
scotch-hopper
scotch-irish
scotch-tape
scotch-taped
scotch-taping
scotland yard
scoto-
scottish gaelic
scottish rite
scottish terrier
scour out
scour the country
scourge top
scouring ball
scouring barrel
scouring cinder
scouring out
scouring pad
scouring rush
scouring stock
scout around
scout at
scout badge
scout boat
scout camp
scout car
scout commissioner
scout cruiser
scout executive
scout law
scout motto
scout oath
scout out
scout patrol
scout plane
scout salute
scout ship
scout sign
scout staff
scout training
scout vessel
scouting plane
scove kiln
scr-
scrabble up
scrabble your way up
scrag end
scrag whale
scram hand
scram-handed
scramble for
scramble up
scrambled eggs
scrap basket
scrap box
scrap heap
scrap iron
scrap log
scrap paper
scrap pudding
scrap rubber
scrap the plan
scrap value
crap-book
crap-heap
crape acquaintance with
crape along
crape and save
crape in
crape into
crape off
crape out
crape through
crape together
crape together or up
crape up
crape-finished
crape-gut
crape-shoe
crape-trencher
crapen conveyer
craper mat
craper plane
craper ring
crappy con
crash awl
crash brusher
crash carving
crash coat
crash comma
crash cradle
crash division
crash each other's back
crash feed
crash figure
crash gauge
crash grass
crash hit
crash line
crash out
crash pad
crash paper
crash player
crash sheet
crash test
crash the surface
crash together or up
crash wig
crash-brush
crash-coated
scratch-pad
scratch-penny
scratching post
scratching shed
crawny horse
scream defiance
scream therapy
screaming color
screaming meemies, the
screaming-meemies
screech hawk
screech martin
screech owl
screech-owl
screen boy
screen door
screen facade
screen gate
screen grid
screen maker
screen making
screen memory
screen out
screen pass
screen plate
screen process
screen test
screen, the
screen-faced
screen-grid tube
screen-grid voltage
screen-plate process
screen-test
screen-wall counter
screen-wiper
screening constant
screening effect
screw alley
screw anchor
screw arbor
screw around
screw auger
screw axis
screw back
screw bean
screw bell
screw blower
screw bolt
screw box
screw bunter
screw cap
screw chain
screw collar
screw conveyer
screw conveyor
screw coupling
screw driver
screw eye
screw fern
screw gear
screw gearing
screw hook
screw jack
screw joint
screw key
screw machine
screw machinery
screw maker
screw making
screw mill
screw mooring
screw mouth
screw nail
screw nut
screw palm
screw peg
screw pile
screw piling
screw pine
screw plate
screw plug
screw pod
screw post
screw press
screw propeller
screw pump
screw punch
screw rivet
screw shell
screw shot
screw smile
screw spanner
screw spike
screw stair
screw stake
screw stay
screw steamer
screw stock
screw stone
screw stud
screw surface
screw tap
screw thread
screw tool
screw tree
screw up
screw up the eyes
screw up the works
screw up your courage
screw up your face
screw up your nerve
screw wedge
screw wheel
screw wrench
screw-back
screw-bound
screw-capped
screw-chasing
screw-clamped
screw-cutting
screw-cutting lathe
screw-down
screw-driven
screw-eyed
screw-geared
screw-lifted
screw-piled
screw-pin
screw-pine
screw-pine family
screw-pitch
screw-pitch gauge
screw-pod mesquite
screw-propelled
screw-shaped
screw-slotting
screw-stoppered
screw-thread fit
screw-thread tolerance
screw-threaded
screw-topped
screw-torn
screw-turned
screw-turning
screw-up
screwed up
screwed-up
screwing around
screwing machine
scribble-scrabble
scribbling block
scribbling lark
scribe saw
scribes and Pharisees
scribing block
scribing compass
scribing gouge
scribing iron
scribe saw
scrieve board
scrimmage line
scrimp rail
scrimping bar
scrip certificate
scrip dividend
scrip issue
scrip-scrap
script girl
script lichen
script reader
script-writer
scritch-owl
scritch-scratch
scritch-scratching
scrive board
scrofula plant
scrofula line
scroll casing
scroll chuck
scroll creeper
scroll foot
scroll front
scroll gear
scroll lathe
scroll pediment
scroll saw
scroll step
scroll wheel
scroll-cut
scroll-like
scroll-shaped
scrooch down
scrooch down
scrouch down
scrounge around
scrub birch
scrub bird
scrub brush
scrub bush
scrub chestnut oak
scrub fowl
scrub hickory
scrub juniper
scrub myrtle
scrub nurse
scrub oak
scrub out
scrub pine
scrub plane
scrub robin
scrub round
scrub sandalwood
scrub shrub
scrub turkey
scrub typhus
scrub up
scrub vine
scrub wren
scrub-bird
scrub-up
scrubbing board
scrubbing brush
scrubbing out
scrubbing up
scrubbing-brush
scrum half
scrutinize comparatively
scrutiny-proof
scuba diver
scuba diving
scuff plate
scuffle hoe
scullery maid
sculling oar
sculpting tool
sculptor's wax
sculptured glass
sculptured piece
scum of society
scum of the earth
scupper pipe
scupper shoot
scurvy grass
scurvy trick
scut work
scutch cane
scutch grass
scutching tow
scutellum rot
scuttle butt
scyphi-
scypho-
scythe maker
scythe making
scythe of Death
scythe of Time
scythe-armed
scythe-bearing
scythe-leaved
scythe-shaped
se defendendo
se tenant
se-
se-baptism
se-baptist
sea acorn
sea adder
sea air
sea anchor
sea anemone
sea anemones
sea ape
sea apple
sea apron
sea arrow grass
sea ash
sea aster
sea bag
sea bank
sea basket
sea bass
sea bat
sea bean
sea bear
sea beef
sea beet
sea bells
sea belt
sea bent
sea bindweed
sea bird
sea biscuit
sea bladder
sea blite
sea bloom
sea blossom
sea blubber
sea blue
sea boat
sea boots
sea bottle
sea boy
sea brant
sea breach
sea bread
sea bream
sea breeze
sea brief
sea buckthorn
sea bugloss
sea burdock
sea bush
sea butterfly
sea cabbage
sea cabin
sea calf
sea campion
sea captain
sea card
sea carp
sea cat
sea catfish
sea catgut
sea cauliflower
sea celandine
sea change
sea chest
sea chickweed
sea chub
sea clam
sea cliff
sea cloth
sea club rush
sea clutter
sea coal
sea cob
sea cock
sea coco
sea coconut
sea colander
sea cole
sea colewort
sea combat
sea compass
sea connection
sea coot
sea corn
sea cow
sea cradle
sea crawfish
sea crayfish
sea creature
sea cress
sea crow
sea cucumber
sea cudweed
sea cushion
sea daffodil
sea dahlia
sea daisy
sea date
sea day
sea devil
sea dock
sea dog
sea dotterel
sea dove
sea dragon
sea drake
sea duck
sea dust
sea duty
sea eagle
sea ear
sea eel
sea egg
sea elephant
sea endive
sea fan
sea feather
sea fee
sea fennel
sea fern
sea fig
sea fight
sea fir
sea fire
sea fish
sea fisher
sea fisherman
sea fishery
sea fishing
sea flea
sea foalfoot
sea foam
sea fog
sea food
sea fox
sea fret
sea front
sea frontage
sea froth
sea furbelow
sea gasket
sea gate
sea gauge
sea gillyflower
sea girdle
sea god
sea gods
sea goose
sea gooseberry
sea goosefoot
sea gown
sea grape
sea grass
sea grass wrack
sea green
sea gromwell
sea gudgeon
sea gull
sea gypsy
sea hanger
sea hare
sea hawk
sea hay
sea heath
sea hedgehog
sea hen
sea herdsman
sea herdsman
sea herring
sea hog
sea holly
sea hollyhock
sea holm
sea horse
sea hulver
sea ice
sea island
sea island cotton
sea kale
sea kelps
sea kidney
sea king
sea kittie
sea lace
sea ladder
sea lamprey
sea lane
sea language
sea lark
sea laurel
sea lavender
sea law
sea lawyer
sea league
sea leather
sea legs
sea lemon
sea lentil
sea leopard
sea letter
sea lettuce
sea level
sea light
sea lily
sea line
sea lion
sea lizard
sea loach
sea louse
sea lovage
sea luce
sea lungs
sea lungwort
sea lyme grass
sea magpie
sea mail
sea mallow
sea mantis
sea margin
sea marigold
sea mat
sea matweed
sea meadow
sea membrane
sea mew
sea mile
sea milkwort
sea mink
sea mist
sea monk
sea monster
sea moss
sea moth
sea mouse
sea mud
sea mugwort
sea mulberry
sea mule
sea mullet
sea necklace
sea nettle
sea nymph
sea oak
sea oat
sea of flames
sea of grass
sea of troubles
sea officer
sea onion
sea ooze
sea orach
sea orange
sea ore
sea otter
sea owl
sea oxeye
sea palm
sea panther
sea park
sea parrot
sea parsley
sea parsnip
sea partridge
sea pass
sea pay
sea pea
sea peach
sea pear
sea peat
sea pen
sea perch
sea perils
sea pheasant
sea pie
sea piet
sea pig
sea pigeon
sea pike
sea pimpernel
sea pincushion
sea pine
sea pink
sea plain
sea plantain
sea plume
sea poacher
sea poker
sea poppy
sea porcupine
sea post
sea post office
sea potato
sea power
sea preacher
sea pumpkin
sea purse
sea purslane
sea puss
sea quail
sea radish
sea ragweed
sea ragwort
sea ranger
sea rat
sea raven
sea reach
sea reed
sea rim
sea risk
sea risks
sea road
sea robber
sea robin
sea rocket
sea rod
sea room
sea rosemary
sea rover
sea ruffle
sea salmon
sea salt
sea sand
sea sand grass
sea sand reed
sea sandpiper
sea sands
sea sandwort
sea scallop
sea scorpion
sea scout
sea scouting
sea sedge
sea serpent
sea service
sea shell
sea shrub
sea silk
sea sled
sea slope
sea slug
sea smoke
sea snail
sea snake
sea snipe
sea soldier
sea soldiers
sea spear grass
sea spider
sea spirit
sea spleenwort
sea squill
sea squirt
sea stack
sea staff
sea staghorn
sea star
sea starwort
sea steps
sea stickleback
sea stores
sea sulphurweed
sea surgeon
sea swallow
sea swine
sea tangle
sea term
sea thief
sea thong
sea thrift
sea time
sea titling
sea toad
sea tortoise
sea town
sea train
sea travel
sea tree
sea trip
sea trout
sea trumpet
sea turn
sea turnip
sea turtle
sea twine
sea unicorn
sea urchin
sea valve
sea vampire
sea wall
sea walnut
sea wand
sea warfare
sea water
sea wax
sea wheat
sea whip
sea whipcord
sea whiplash
sea whistle
sea widgeon
sea willow
sea withwind
sea wolf
sea woodcock
sea worm
sea wormwood
sea wrack
sea-bank
sea-bathed
sea-bean
sea-beast
sea-beat
sea-beaten
sea-bird
sea-boat
sea-born
sea-borne
sea-bounded
sea-bounding
sea-bred
sea-breeze
sea-broke
sea-built
sea-calf
sea-captain
sea-card
sea-circled
sea-cliff
sea-coal
sea-coast
sea-cock
sea-compelling
sea-convulsing
sea-cow
sea-cut
sea-deep
sea-deserted
sea-devil
sea-divided
sea-dog
sea-dragon
sea-driven
sea-eagle
sea-ear
sea-elephant
sea-encircled
sea-faring
sea-fern
sea-fight
sea-fighter
sea-fish
sea-flower
sea-foam
sea-food
sea-form
sea-fowl
sea-framing
sea-front
sea-gait
sea-gate
sea-girt
sea-god
sea-goddess
sea-going
sea-grape
sea-grass
sea-gray
sea-green
sea-gull
sea-heath
sea-heath family
sea-hedgehog
sea-hen
sea-holly
sea-holm
sea-horse
sea-island
sea-island cotton
sea-kale
sea-kale beet
sea-kindliness
sea-kindly
sea-king
sea-lane
sea-lawyer
sea-legs
sea-level
sea-level pressure
sea-line
sea-lion
sea-lost
sea-louse
sea-loving
sea-maid
sea-maiden
sea-mark
sea-monk
sea-monster
sea-mouse
sea-nymph
sea-otter
sea-otter's-cabbage
sea-packed
sea-parrot
sea-pie
sea-piece
sea-pike
sea-pink
sea-plane
sea-poacher
sea-potent
sea-purse
sea-quake
sea-racing
sea-raven
sea-robin
sea-room
sea-rounded
sea-rover
sea-roving
sea-run
sea-running
sea-sailing
sea-salt
sea-sand
sea-saw
sea-scape
sea-scented
sea-scourged
sea-serpent
sea-service
sea-shell
sea-shore
sea-shouldering
sea-sick
sea-side
sea-slug
sea-snail
sea-snake
sea-sneipe
sea-spider
sea-star
sea-surrounded
sea-swallow
sea-swallowed
sea-torn
sea-tossed
sea-tost
sea-traveling
sea-trout
sea-urchin
sea-wall
sea-walled
sea-wandering
sea-ware
sea-washed
sea-water
sea-water green
sea-way
sea-weary
sea-wide
sea-wilderred
sea-wolf
sea-wrack
sea-wrecked
seabeach morning-glory
seabeach sandwort
seacoast angelica
seacoast laburnum
seafaring man
seakale beet
seal brown
seal character
seal coat
seal cutter
seal cutting
seal cylinder
seal fisher
seal fisherman
seal fishery
seal fishing
seal hole
seal lock
seal maker
seal making
seal of approval
seal of confession
seal of secrecy
seal off
seal oil
seal point
seal press
seal ring
seal the doom of
seal up
seal your infamy
seal your lips
seal-brown
seal-point
sealed book
sealed move
sealed off
sealed orders
sealed-beam
sealing hole
sealing nut
sealing off
sealing tape
sealing wax
sealing-wax
sealyham terrier
seam blasting
seam face
seam lace
seam presser
seam roller
seam set
seam stitch
seam strip
seam weld
seam welding
seam-rent
seam-ripped
seam-ript
seaman apprentice
seaman branch
seaman gunner
seaman recruit
seaming dies
seaming lace
seamless stockings
seamy-sided
seaplane carrier
sear pin
search coil
search ephemeris
search for
search high heaven
search into
search lamp
search me
search mission
search out
search party
search plane
search radar
search room
search thoroughly
search through
search warrant
search your motives
search your soul
search-and-destroy mission
search-and-destroy operation
searching investigation
searchlight lantern
seared conscience
seashell pink
seashore heliotrope
seashore pea
seaside alder
seaside arrowgrass
seaside aster
seaside balsam
seaside bean
seaside bent
seaside brome grass
seaside crowfoot
seaside daisy
seaside finch
seaside gerardia
seaside goldenrod
seaside grape
seaside heliotrope
seaside knotweed
seaside laurel
seaside millet
seaside morning-glory
seaside oat
seaside oxeye
seaside painted-cup
seaside pea
seaside pimpernel
seaside pine
seaside plantain
seaside plum
seaside poppy
seaside radish
seaside sandwort
seaside sparrow
seaside spurge
season check
season crack
season of the year
season ticket
seasonal unemployment
seasoned hand
seasoned professional
seasoned salt
seasoned stock
seasoned understanding
seasoned veteran
seat angle
seat arm
seat back
seat bath
seat belt
seat board
seat bone
seat clip
seat cover
seat coverer
seat cushion
seat designer
seat maker
seat making
seat of affections
seat of authority
seat of government
seat of justice
seat of life
seat of power
seat of state
seat of thought
seat of war
seat owner
seat worm
seat yourself
seat-mile
seaweed fern
seaweed glue
seaweed green
seaweed isinglass
seaweed marquetry
sebaceous cyst
sebaceous gland
sebaceous glands
sebacic acid
sebi-
seborrheic dermatitis
secale cornutum
seclude yourself
seclusive personality
secobarbital sodium
second axiom of countability
second ballot
second banana
second base
second baseman
second best
second birth
second blessing
second carbon
second category
second chamber
second childhood
second class
second coming
second cousin
second crop
second derivative
second detector
second draft
second edition
second empire
second estate
second fiddle
second floor
second growth
second hand
second helping
second in command
second intention
second job
second law of motion
second law of thermodynamics
second lieutenant
second line of defense
second look
second man
second mate
second mortgage
second mortgage bond
second nature
second officer
second paper
second papers
second person
second philosophy
second position
second prize
second rank
second reader
second reading
second self
second sex
second sight
second stomach
second story
second string
second stringer
second team
second thought
second thoughts
second to none
second wind
second youth
second-best
second-class
second-class mail
second-cut
second-cut file
second-degree
second-degree burn
second-drawer
second-feet
second-first
second-floor
second-foot
second-growth
second-guess
second-guesser
second-hand
second-handedness
second-in-command
second-line battleship
second-line destroyer
second-order reaction
second-rate
second-rateness
second-rater
second-sighted
second-sightedness
second-story
second-story man
second-story thief
second-story work
second-story worker
second-touch
secondary accent
secondary articulation
secondary battery
secondary burial
secondary cell
secondary color
secondary colour
secondary con
secondary condition
secondary contact
secondary diagonal
secondary digestion
secondary disease
secondary eardrum
secondary education
secondary electron
secondary emission
secondary evidence
secondary group
secondary infection
secondary intention
secondary issue
secondary modern school
secondary oocyte
secondary ordinary
secondary phloem
secondary planet
secondary plot
secondary processes
secondary propyl alcohol
secondary quality
secondary radiation
secondary road
secondary school
secondary schooler
secondary sense
secondary sex character
secondary sex characteristic
secondary sexual characteristic
secondary shock
secondary spermatocyte
secondary stress
secondary syphilis
secondary wave
secondary xylem
secondary-emission tube
secondhand clothes
secondhand shop
secondhand store
seconds pendulum
secret agent
secret ballot
secret block
secret caucus
secret exit
secret grip
secret heart
secret ink
secret language
secret nailing
secret name
secret order
secret partner
secret passage
secret place
secret places
secret police
secret recesses of the heart
secret service
secret society
secret staircase
secret thoughts
secret writing
secret-false
secret-service
secretarial school
secretaries-general
secretary bird
secretary bookcase
secretary of legation
secretary of state
secretary-general
secretary-treasurer
secreto-inhibitory
section bar
section boss
section crew
section cutter
section eight
section gang
section hand
section line
section man
section mark
section mill
section modulus
section paper
section plane
sector disk
sector gear
sector wheel
secular canoness
secular humanism
secular humanist
secular tertiaries
secular vicar
secure place in history
secure the engines
secure the main induction
secure your object
secured bond
secured loan
securi-
securities issue
security agreement
security analyst
security blanket
security clearance
security council
security force
security guard
security risk
sed-festival
sedan chair
sedan clock
sedan cruiser
sedan delivery truck
sedan landaulet
sedan limousine
sedative salt
sedge bird
sedge cane
sedge family
sedge fly
sedge grass
sedge hen
sedge root
sedge warbler
sedge wren
sediment bulb
sediment yeast
sedimentary clay
sedimentary rock
sedimentation coefficient
sedimentation test
sedition-proof
seduction-proof
see about
see action
see active duty
see after
see ahead
see as it really is
see at a glance
see badly
see beforehand
see both sides
see both sides of the question
see but one side of the question
see combat
see daylight
see double
see eye to eye
see fit
see how the cat jumps
see how the cookie crumbles
see how the land lies
see how the wind blows
see if one can do
see in a special light
see in its true colors
see in one's mind
see in perspective
see in retrospect
see in the crystal ball
see into
see it out
see it through
see justice done
see life
see nothing
see nuances of difference
see of
see off
see only the good points of
see out
see over
see poorly
see red
see shades of difference
see that
see the cloven hoof
see the difference
see the future
see the inside of
see the light
see the light of day
see the lions
see the sights
see the special circumstances
see through
see through a glass
see through rose-colored glasses
see through the press
see to
see to it
see to the bottom of
see visions and dream dreams
see what can be done
see what you can do
see which way the cat jumps
see which way the land lies
see which way the wind blows
see with half an eye
see with your own eyes
see you
see you alone
see you later
see you redressed
see you righted
see you through
see your way
see your way clear
see-bright
see-er
see-ho
see-through
seed ball
seed beetle
seed capsule
seed coat
seed coral
seed corn
seed cotton
seed crown
seed down
seed feed cup
seed fern
seed fish
seed hair
seed leaf
seed mesquite
seed money
seed oil cake
seed oyster
seed pearl
seed plant
seed planter
seed plants
seed plat
seed plate
seed plot
seed plow
seed pod
seed potato
seed screener
seed snipe
seed stitch
seed stock
seed tick
seed treatment
seed tree
seed vessel
seed weevil
seed-cake
seed-corn
seed-corn maggot
seed-eating bird
seed-lac
seed-lip
seed-pearl
seed-snipe
seed-time
seeding plow
seedtime of life
seeing as how
seeing distinctions
seeing double
seeing eye
seeing glass
seeing that
seek for
seek gapeseed
seek in law
seek justice
seek legal redress
seek out
seek peace
seek refuge
seek the company of
seek to
seek-sorrow
seem like
seem likely
seem to be
seem true
seenie bean
seep in
seer-fish
segment gear
segment rack
segmental arch
segmental phoneme
segmental saw
segmentation cavity
segmentation nucleus
segmentation sphere
sego lily
sei whale
seidlitz powders
seif dune
seine gang
seir-fish
seis-ing
seismic wave
seismo-
seize on
seize one of the facts
seize power
seize quartiers
seize the crown
seize the day
seize the mantle
seize the meaning
seize the mind
seize the present hour
seize the throne
seize upon
seize your mind
seized of
seized with
seizing stuff
seizing truck
seizure of power
sejant-erect
sejeant-erect
sel- dom
seldom ever
seldom if ever
seldom met with
seldom seen
select committee
selected passage
selected short subject
selected works
selection forest
selection principle
selection rule
selection system
selection value
selective assembly
selective attention
selective calculator
selective service
selective transmission
selective-head
selective-head lathe
selector switch
selen-
selenic acid
selenio-
selenious acid
selenium cell
seleno-
selenographic chart
self blue
self correlation
self destruction
self discharge
self examination
self incrimination
self psychologist
self psychology
self-
self-abandon
self-abandoned
self-abandoning
self-abandoningly
self-abandonment
self-abased
self-abasement
self-abasing
self-abdication
self-abhorrence
self-abhorring
self-ability
self-abnegating
self-abnegation
self-abnegatory
self-abominating
self-abomination
self-absorbed
self-absorption
self-abuse
self-abuser
self-accorded
self-accusation
self-accusative
self-accusatory
self-accused
self-accuser
self-accusing
self-acknowledged
self-acquaintance
self-acquainter
self-acquired
self-acquisition
self-acquitted
self-acted
self-acting
self-action
self-active
self-activity
self-actor
self-actualization
self-actualizing
self-actuating
self-adapting
self-adaptive
self-addiction
self-addressed
self-adhesion
self-adhesive
self-adjoint
self-adjustable
self-adjusting
self-adjustment
self-administer
self-administered
self-administering
self-admiration
self-admired
self-admirer
self-admiring
self-admission
self-adorer
self-adorned
self-adorning
self-adornment
self-adulation
self-advanced
self-advancement
self-advancer
self-advancing
self-advantage
self-advantageous
self-advertise
self-advertisement
self-advertiser
self-advertising
self-affair
self-affected
self-affecting
self-affectionate
self-affirmation
self-afflicting
self-affliction
self-afflictive
self-affrighted
self-agency
self-aggrandized
self-aggrandizement
self-aggrandizing
self-aid
self-aim
self-aligning
self-alignment
self-alnement
self-alining
self-amendment
self-amplifier
self-amputation
self-amusement
self-analysis
self-analytical
self-analyzed
self-anatomy
self-angry
self-annealing
self-annihilated
self-annihilation
self-annulling
self-answering
self-banishment
self-baptizer
self-basting
self-beautiful
self-beauty
self-bedizenment
self-befooled
self-begetter
self-begotten
self-beguiled
self-being
self-belief
self-benefit
self-benefiting
self-besot
self-betrayal
self-betrayed
self-betraying
self-betrothed
self-bias
self-binder
self-binding
self-black
self-blame
self-blamed
self-blessed
self-blind
self-blinded
self-blinding
self-blood
self-boarding
self-boasted
self-boasting
self-boiled
self-bored
self-born
self-buried
self-burning
self-called
self-cancelled
self-cancelled
self-canting
self-capacity
self-captivity
self-care
self-castigating
self-castigation
self-catalysis
self-catalyst
self-catering
self-causation
self-caused
self-center
self-centered
self-centered self-contained
self-centeredly
self-centeredness
self-centering
self-centerment
self-centralization
self-centration
self-centred
self-centredly
self-centredness
self-chain
self-changed
self-changing
self-charging
self-charity
self-chastise
self-chastised
self-chastisement
self-chastising
self-cheatery
self-checking
self-chosen
self-christened
self-clamp
self-cleaning
self-clearance
self-closed
self-closing
self-cocker
self-cocking
self-cognition
self-cognizably
self-cognizance
self-coherence
self-coiling
self-collected
self-collected self-collectedness
self-collection
self-color
self-colored
self-colour
self-coloured
self-combating
self-combustion
self-command
self-commande
self-commendation
self-comment
self-commissioned
self-commitment
self-committal
self-committing
self-commune
self-communed
self-communication
self-communicative
self-communing
self-communion
self-comparison
self-compassion
self-compatible
self-compensation
self-competition
self-complacence
self-complacency
self-compliant
self-complacent
self-complacential
self-complacently
self-complaisance
self-completion
self-composed
self-composedly
self-composedness
self-comprehending
self-comprised
self-conceit
self-conceited
self-conceitedly
self-conceitedness
self-conceived
self-concentered
self-concentrated
self-concentration
self-concept
self-concern
self-concerned
self-concerning
self-concernment
self-condemnable
self-condemnant
self-condemnation
self-condemnatory
self-condemned
self-condemnedly
self-condemning
self-condemningly
self-conditioned
self-conditioning
self-conduct
self-confessed
self-confession
self-confidence
self-confident
self-confidently
self-confiding
self-confinement
self-confining
self-conflict
self-conflicting
self-conformance
self-confounding
self-confuted
self-congratulating
self-congratulation
self-congratulatory
self-conjugate
self-conjugately
self-conjugation
self-conquest
self-conscious
self-consciously
self-consciousness
self-consecration
self-consequence
self-consequent
self-conservation
self-conservative
self-conserving
self-consideration
self-considerative
self-considering
self-consistency
self-consistent
self-consistently
self-consoling
self-consolingly
self-constituted
self-constituting
self-consultation
self-consumed
self-consuming
self-consumption
self-contained
self-contained ornament
self-containedly
self-containedness
self-containing
self-containment
self-contaminating
self-contamination
self-contemner
self-contemplation
self-contempt
self-content
self-contented
self-contentedly
self-contentedness
self-contentment
self-contracting
self-contraction
self-contradicter
self-contradicting
self-contradiction
self-contradictory
self-control
self-controlled
self-controller
self-controlling
self-convened
self-converse
self-convicted
self-convicting
self-conviction
self-cooking
self-cooled
self-correcting
self-correction
self-corrective
self-correcting
self-corrective
self-correcting
self-corrective
self-corrupted
self-counsel
self-coupler
self-covered
self-cozening
self-created
self-creating
self-creation
self-creative
self-credit
self-credulity
self-cremation
self-critical
self-critically
self-criticism
self-cruel
self-cruelty
self-cultivation
self-culture
self-culturist
self-cure
self-cutting
self-damnation
self-danger
self-deaf
self-debasement
self-debasement
self-debasing
self-debate
self-deceit
self-deceitful
self-deceitfulness
self-deceived
self-deceiver
self-deceiving
self-deception
self-deceptive
self-declared
self-declaredly
self-dedicated
self-dedication
self-defeated
self-defeating
self-defence
self-defencive
self-defended
self-defense
self-defensive
self-defensory
self-defining
self-definition
self-deflated
self-deflation
self-degradation
self-deifying
self-dejection
self-delation
self-delight
self-delighting
self-deliverer
self-delivery
self-deluded
self-deluder
self-deluding
self-delusion
self-demagnetizing
self-denial
self-denied
self-deniedly
self-denier
self-denying
self-denyingly
self-dependence
self-dependency
self-dependent
self-dependently
self-depending
self-depraved
self-deprecating
self-deprecatingly
self-deprecation
self-depreciating
self-depreciation
self-depreciative
self-deprivation
self-deprived
self-depriving
self-derived
self-desertion
self-deserving
self-design
self-designer
self-desirable
self-desire
self-despair
self-destady
self-destroyed
self-destroyer
self-destroying
self-destruction
self-destructive
self-destructive urge
self-destructively  
self-detaching  
self-determination  
self-determined  
self-determining  
self-determinism  
self-detraction  
self-developing  
self-development  
self-devised  
self-devoted  
self-devotedly  
self-devotedness  
self-devotement  
self-devoting  
self-devotion  
self-devotional  
self-devouring  
self-dialog  
self-dialogue  
self-differentiating  
self-differentiation  
self-diffidence  
self-diffident  
self-diffusion  
self-diffusive  
self-diffusively  
self-diffusiveness  
self-digestion  
self-dilated  
self-dilation  
self-diminishment  
self-direct  
self-directed  
self-directing  
self-direction  
self-directive  
self-director  
self-diremption  
self-disapprobation  
self-disapproval  
self-discernment  
self-discharging  
self-discipline  
self-disciplined  
self-disclosed  
self-disclosing  
self-disclosure
self-discoloration
self-discontented
self-discovered
self-discovery
self-discrepant
self-discrepantly
self-discrimination
self-disdain
self-disengaging
self-disgrace
self-disgraced
self-disgracing
self-disgust
self-dislike
self-disliked
self-disparagement
self-disparaging
self-dispatch
self-display
self-displeased
self-displicency
self-disposal
self-dispraise
self-disquieting
self-dissatisfaction
self-dissatisfied
self-dissecting
self-dissection
self-disservice
self-disserving
self-dissociation
self-dissolution
self-dissolved
self-distinguishing
self-distributing
self-distrust
self-distrustful
self-distrusting
self-disunity
self-divided
self-division
self-doctrine
self-dominance
self-domination
self-dominion
self-donation
self-doomed
self-dosage
self-doubt
self-doubting
self-dramatization
self-dramatizing
self-drawing
self-drinking
self-drive
self-driven
self-dropping
self-drown
self-dual
self-dualistic
self-dubbed
self-dumping
self-duplicating
self-duplication
self-ease
self-easing
self-eating
self-educated
self-education
self-effacement
self-effacing
self-effacingly
self-effacingness
self-effacive
self-effort
self-elaborated
self-elaboration
self-elation
self-elect
self-elected
self-election
self-elective
self-emitted
self-emolument
self-employed
self-employed person
self-employer
self-employment
self-emptiness
self-emptying
self-enamored
self-enamoured
self-enclosed
self-endearing
self-endeared
self-endearment
self-energizing
self-energizing brake
self-energy
self-enforcing
self-engrossed
self-engrossment
self-enjoyment
self-enriching
self-enrichment
self-entertaining
self-entertainment
self-entity
self-erected
self-escape
self-essence
self-essentiated
self-esteem
self-esteeming
self-estimingly
self-estimate
self-estimation
self-estrangement
self-eternity
self-evacuation
self-evaluation
self-evidence
self-evidencing
self-evidencingly
self-evident
self-evident fact
self-evident truth
self-evidential
self-evidentism
self-evidently
self-evidentness
self-evolution
self-evolved
self-evolving
self-exaggerated
self-exaggeration
self-exaltation
self-exaltative
self-exalted
self-exalting
self-examinant
self-examiner
self-examining
self-example
self-excellency
self-excitation
self-excite
self-excited
self-exciter
self-exciting
self-exclusion
self-exculpation
self-excuse
self-excused
self-excusing
self-executing
self-exertion
self-exhibited
self-exhibition
self-exile
self-exiled
self-exist
self-existence
self-existent
self-existing
self-expanded
self-expanding
self-expansion
self-expatriation
self-experience
self-experienced
self-explained
self-explaining
self-explanation
self-explanatory
self-explication
self-exploited
self-exploiting
self-exposed
self-exposing
self-exposure
self-expression
self-expressive
self-expressiveness
self-extinction
self-extolled
self-exultation
self-exulting
self-faced
self-fame
self-farming
self-fearing
self-fed
self-feed
self-feeder
self-feeding
self-feeling
self-felicitiation
self-felony
self-fermentation
self-fertile
self-fertility
self-fertilization
self-fertilize
self-fertilized
self-fertilizer
self-figure
self-figured
self-filler
self-filling
self-fitting
self-flagellating
self-flagellation
self-flattered
self-flatterer
self-flattering
self-flattery
self-flowing
self-fluxing
self-focused
self-focusing
self-focussed
self-focussing
self-folding
self-fondest
self-fondness
self-forbidden
self-forgetful
self-forgetfully
self-forgetfulness
self-forgetting
self-forgettingly
self-formation
self-formed
self-forsaken
self-fountain
self-friction
self-frighted
self-fruitful
self-fruition
self-fulfilling
self-fulfillment
self-fulfilment
self-furnished
self-furring
self-gaging
self-gain
self-gathered
self-gauging
self-generated
self-generating
self-generation
self-generative
self-given
self-giving
self-glazed
self-glazing
self-glorification
self-glorified
self-glorifying
self-glorious
self-glory
self-glorying
self-good
self-gotten
self-govern
self-governed
self-governing
self-governing dominion
self-government
self-gracious
self-gratification
self-gratulating
self-gratulatingly
self-gratulation
self-gratulatory
self-guard
self-guarded
self-guidance
self-guiltiness
self-guiltless
self-guilty
self-gullery
self-hammered
self-hang
self-hardened
self-hardening
self-harming
self-hate
self-hating
self-hatred
self-heal
self-healing
self-heating
self-help
self-helpful
self-helpfulness
self-helping
self-helpless
self-heterodyne
self-hid
self-hidden
self-hitting
self-holiness
self-homicide
self-honored
self-honoured
self-hood
self-hope
self-humbling
self-humiliating
self-humiliation
self-hypnosis
self-hypnotic
self-hypnotism
self-hypnotization
self-hypnotized
self-idea
self-identical
self-identification
self-identity
self-idolater
self-idolatry
self-idolized
self-idolizing
self-ignite
self-ignited
self-igniting
self-ignition
self-ignorance
self-ignorant
self-ill
self-illuminated
self-illustrative
self-image
self-imitation
self-immolating
self-immolation
self-immunity
self-immurement
self-immuring
self-impairable
self-impairing
self-impartation
self-imparting
self-impedance
self-importance
self-important
self-importantly
self-imposed
self-imposed duty
self-imposture
self-impotent
self-impregnated
self-impregnating
self-impregnation
self-impregnator
self-improvable
self-improvement
self-improver
self-improving
self-impulsion
self-inclosed
self-inclusive
self-inconsistency
self-inconsistent
self-incriminating
self-incrimination
self-incurred
self-indignation
self-induced
self-inductance
self-induction
self-inductive
self-indulged
self-indulgence
self-indulgent
self-indulgently
self-indulger
self-indulging
self-infatuated
self-infatuation
self-infection
self-inflation
self-inflicted
self-infliction
self-initiated
self-initiative
self-injuries
self-injurious
self-injury
self-inker
self-inking
self-inoculated
self-inoculation
self-insignificance
self-inspected
self-inspection
self-instructed
self-instructing
self-instruction
self-instructional
self-instructor
self-insufficiency
self-insurance
self-insured
self-insurer
self-integrating
self-integration
self-intelligible
self-intensified
self-intensifying
self-intent
self-interest
self-interested
self-interestedness
self-interpretative
self-interpreted
self-interpreting
self-interpreting
self-interrogation
self-interrupting
self-intersecting
self-intoxication
self-introduction
self-intruder
self-invented
self-invention
self-invited
self-involution
self-involved
self-ionization
self-ironies
self-irony
self-irrecoverable
self-irrecoverableness
self-irrecoverable
self-issued
self-issuing
self-jealous
self-jealously
self-judged
self-judgement
self-judging
self-judgment
self-justification
self-justified
self-justifier
self-justifying
self-killed
self-killer
self-killing
self-kindled
self-kindness
self-knowing
self-knowledge
self-known
self-lacerating
self-laceration
self-lashing
self-laudation
self-laudatory
self-launding
self-learn
self-left
self-leveler
self-leveling
self-leveller
self-levelling
self-levied
self-levitation
self-life
self-light
self-lighting
self-liking
self-limitation
self-limited
self-limiting
self-liquidating
self-liquidating loan
self-lived
self-loader
self-loading
self-loading dam
self-loathing
self-locating
self-locking
self-lost
self-love
self-lover
self-loving
self-lubricated
self-lubricating
self-lubrication
self-luminescence
self-luminescent
self-luminosity
self-luminous
self-maceration
self-mad
self-made
self-mailer
self-mailing
self-maimed
self-maintained
self-maintaining
self-maintenance
self-making
self-manifest
self-manifestation
self-mapped
self-martyrdom
self-mastered
self-mastering
self-mastery
self-mate
self-matured
self-measurement
self-mediating
self-merit
self-minded
self-mistrust
self-misused
self-mortification
self-mortified
self-motion
self-motive
self-moved
self-movement
self-mover
self-moving
self-multiplied
self-multiplying
self-murder
self-murdered
self-murderer
self-mutilation
self-named
self-naughting
self-neglect
self-neglectful
self-neglectfulness
self-neglecting
self-nourished
self-nourishing
self-nourishment
self-objectification
self-oblivion
self-oblivious
self-observation
self-observed
self-obessed
self-obsession
self-occupation
self-occupied
self-offence
self-offense
self-offered
self-offering
self-oiling
self-opened
self-opener
self-opening
self-operating
self-operative
self-operator
self-opiniated
self-opiniatedly
self-opiniative
self-opiniativeness
self-opinion
self-opinionated
self-opinionatedly
self-opinionatedness
self-opinionative
self-opinionatively
self-opinionativeness
self-opinioned
self-opinionedness
self-opposed
self-opposition
self-oppression
self-pressive
self-oppressor
self-ordained
self-ordainer
self-organization
self-originated
self-originating
self-origination
self-ostentation
self-outlaw
self-outlawed
self-ownership
self-oxidation
self-paid
self-painter
self-pampered
self-pampering
self-panegyric
self-parasitism
self-parricide
self-partiality
self-paying
self-peace
self-penetrability
self-penetration
self-perceiving
self-perception
self-perceptive
self-perfect
self-perfectibility
self-perfecting
self-perfectionment
self-performed
self-permission
self-perpetuated
self-perpetuating
self-perpetuation
self-perplexed
self-persuasion
self-physicking
self-pictured
self-pious
self-piquer
self-pitiful
self-pitifulness
self-pity
self-pitying
self-pityingly
self-planted
self-player
self-playing
self-pleached
self-pleased
self-pleaser
self-pleasing
self-pointed
self-poise
self-poised
self-poisedness
self-poisoner
self-polar triangle
self-policing
self-policy
self-politician
self-polinate
self-polinated
self-polination
self-polluter
self-pollution
self-portrait
self-portraitist
self-posed
self-posed
self-posing
self-possessed
self-possessedly
self-possessing
self-possessor
self-possessing
self-posting
self-postponement
self-potence
self-potential method
self-powered
self-praise
self-praising
self-precipitation
self-preference
self-preoccupation
self-preparation
self-prepared
self-prescribed
self-presentation
self-presented
self-preservation
self-preservative
self-preserving
self-preservingly
self-pretended
self-pride
self-primed
self-primer
self-priming
self-prizing
self-proclaimant
self-proclaimed
self-proclaiming
self-procured
self-procurement
self-procuring
self-proditoriously
self-produced
self-production
self-professed
self-profit
self-projection
self-pronouncing
self-propagated
self-propagating
self-propagation
self-propelled
self-propelled barge
self-propellent
self-propeller
self-propelling
self-propulsion
self-protecting
self-protection
self-protective
self-proving
self-provision
self-pruning
self-puffery
self-punished
self-punisher
self-punishing
self-punishment
self-punitive
self-purification
self-purifying
self-purity
self-quenched counter
self-question
self-questioned
self-questioning
self-quotatio
self-raised
self-raising
self-rake
self-rating
self-reacting
self-reading
self-realization
self-realizationism
self-realizationist
self-realizing
self-reciprocal
self-reckoning
self-recollection
self-recollective
self-reconstruction
self-recording
self-recrimination
self-rectifying
self-reduction
self-reduplication
self-reference
self-refinement
self-refining
self-reflection
self-reflective
self-reflexive
self-reform
self-reformation
self-refuted
self-refuting
self-regard
self-regardant
self-regarding
self-regardless
self-regardlessly
self-regardlessness
self-registering
self-registering barometer
self-registering thermometer
self-registration
self-regulate
self-regulated
self-regulating
self-regulating market
self-regulation
self-regulative
self-regulatory
self-relation
self-reliance
self-reliant
self-reliantly
self-relish
self-relying
self-renounced
self-renouncement
self-renouncing
self-renunciation
self-renunciatory
self-repeating
self-repellency
self-repellent
self-repelling
self-repetition
self-repose
self-representation
self-repressed
self-repressing
self-repression
self-reproof
self-reproach
self-reproached
self-reproachful
self-reproachfulness
self-reproaching
self-reproachingly
self-reproachingness
self-reproducing
self-reproduction
self-reproof
self-reproval
self-reproved
self-reproving
self-reprovingly
self-repugnance
self-repugnancy
self-repugnant
self-repulsive
self-reputation
self-rescuer
self-resentment
self-resigned
self-resourceful
self-resourcefulness
self-respect
self-respectful
self-respectfulness
self-respecting
self-respectingly
self-resplendent
self-responsibility
self-restoring
self-restrained
self-restraining
self-restraint
self-restricted
self-restriction
self-retired
self-revealed
self-revealing
self-revealment
self-revelation
self-revelative
self-revelatory
self-reverence
self-reverent
self-reward
self-rewarded
self-rewarding
self-right
self-righteous
self-righteously
self-righteousness
self-righter
self-righting
self-rigorous
self-rising
self-rolled
self-roofed
self-ruin
self-ruined
self-rule
self-ruling
self-sacrifice
self-sacrificer
self-sacrificial
self-sacrificing
self-sacrificingly
self-sacrificingness
self-safety
self-same
self-sanctification
self-satirist
self-satisfaction
self-satisfied
self-satisfiedly
self-satisfying
self-satisfyingly
self-scanned
self-schooled
self-schooling
self-science
self-scorn
self-scourging
self-scrutinized
self-scrutinizing
self-scrutiny
self-sealer
self-sealing
self-searching
self-secure
self-security
self-sedimentation
self-sedimented
self-seeded
self-seeker
self-seeking
self-seekingness
self-selection
self-sent
self-sequestered
self-serve
self-server
self-service
self-serving
self-set
self-severe
self-shadowed
self-shadowing
self-shelter
self-sheltered
self-shine
self-shining
self-shooter
self-shot
self-significance
self-similar
self-sinking
self-slain
self-slaughter
self-slaughtered
self-slayer
self-society
self-sold
self-solicitude
self-soothed
self-soothing
self-sophistication
self-sought
self-sounding
self-sovereignty
self-sow
self-sowed
self-sown
self-spaced
self-spacing
self-speech
self-spitted
self-sprung
self-stability
self-stabilized
self-stabilizing
self-starter
self-starting
self-starved
self-steered
self-sterile
self-sterility
self-stimulated
self-stimulating
self-stimulation
self-stowing
self-strength
self-stripper
self-strong
self-stuck
self-study
self-styled
self-styled lawyer
self-subdual
self-subdued
self-subjection
self-subjugating
self-subjugation
self-subordinated
self-subordinating
self-subordination
self-subsidation
self-subsistence
self-subsistency
self-subsistent
self-subsisting
self-substantial
self-subversive
self-sufficed
self-sufficiency
self-sufficient
self-sufficiently
self-sufficientness
self-sufficing
self-sufficingly
self-sufficingness
self-suggested
self-suggester
self-suggestion
self-suggestive
self-suppletive
self-support
self-supported
self-supportedness
self-supporting
self-supportingly
self-supportless
self-suppressing
self-suppression
self-suppressive
self-sure
self-surrender
self-surrendering
self-survey
self-surveyed
self-surviving
self-survivor
self-suspended
self-suspicion
self-suspicious
self-sustained
self-sustaining
self-sustainingly
self-sustainment
self-sustenance
self-sustentation
self-sway
self-tapping
self-tapping screw
self-taught
self-taught man
self-taught person
self-taxation
self-taxed
self-teacher
self-teaching
self-tempted
self-tenderness
self-terminating
self-terminative
self-testing
self-thinking
self-thinning
self-thought
self-threading
self-tightening
self-timer
self-tipping
self-tire
self-tired
self-tiring
self-tolerant
self-tolerantly
self-toning
self-torment
self-tormented
self-tormenter
self-tormenting
self-tormentingly
self-tormentor
self-torture
self-tortured
self-torturing
self-trained
self-training
self-transformation
self-transformed
self-treated
self-treatment
self-trial
self-triturating
self-troubled
self-troubling
self-trust
self-trusting
self-tuition
self-uncertain
self-unconscious
self-understand
self-understanding
self-understood
self-undoing
self-unfruitful
self-uniform
self-union
self-unity
self-unloader
self-unloading
self-unscabbarded
self-unveiling
self-unworthiness
self-upbraiding
self-usurp
self-validating
self-valuation
self-valued
self-valuing
self-variance
self-variation
self-varying
self-vaulted
self-vaulting
self-vendition
self-ventilated
self-vexation
self-view
self-vindicated
self-vindicating
self-vindication
self-violence
self-violent
self-vivacious
self-vivisector
self-vulcanizing
self-vendition
self-want
self-wardness
self-warranting
self-watchfulness
self-weariness
self-weary
self-weight
self-weighted
self-whipper
self-whipping
self-whole
self-widower
self-will
self-willed
self-willedly
self-willedness
self-winding
self-wine
self-wisdom
self-wise
self-witness
self-witnessed
self-working
self-worn
self-worship
self-worshiper
self-worshipping
self-worshipper
self-worshipping
self-worth
self-worthiness
self-wounded
self-wounding
self-writing
self-written
self-wrong
self-wrongly
self-wrought
selfish person
self-liquidating loan
sell a pig in a poke
sell at a loss
sell at a sacrifice
sell at auction
sell by auction
sell down the river
sell for
sell foreign
sell gold bricks
sell in futures
sell off
sell on consignment
sell on credit
sell one on
sell out
sell over
sell over the counter
sell retail
sell short
sell stocks
sell to the highest bidder
sell under the counter
sell up
sell wholesale
sell you a bill of goods
sell your life dearly
sell yourself
sell-off
sellenger's round
seller four
seller's market
sellers' market
selling account
selling agent
selling point
selling price
selling race
selling-plater
seltzer water
semantic cluster
semantic field
semantic history
semantic tone
semantic unit
semaphore flag
semaphore plant
semaphore telegraph
semasiological unit
semei-
semen cinae
semen contra
semester hour
semi-
semi-Augustinianism
semi-abstract
semi-abstraction
semi-annual
semi-arian
semi-aridity
semi-armor-piercing
semi-chorus
semi-circle
semi-cubical
semi-demi-
semi-detached
semi-diesel
semi-diurnal
semi-double
semi-form
semi-idiocy
semi-idiotic
semi-idleness
semi-ignorance
semi-illiteracy
semi-illiterate
semi-illiterately
semi-illiterateness
semi-illuminated
semi-imbricated
semi-immersed
semi-impressionistic
semi-incandescent
semi-independence
semi-independent
semi-independently
semi-indirect
semi-indirectly
semi-indirectness
semi-inductive
semi-indurate
semi-indurated
semi-industrial
semi-industrialized
semi-industrially
semi-inertness
semi-infidel
semi-infinite
semi-inhibited
semi-inhibition
semi-insoluble
semi-instinctive
semi-instinctively
semi-instinctiveness
semi-insular
semi-intellectual
semi-intellectualized
semi-intellectually
semi-intelligent
semi-intelligently
semi-intercostal
semi-internal
semi-internalized
semi-internally
semi-interosseous
semi-intoxication
semi-intrados
semi-invalid
semi-inverse
semi-ironic
semi-ironical
semi-ironically
semi-isolated
semi-learning
semi-lune
semi-mat
semi-matte
semi-metal
semi-nocturnal
semi-opal
semi-ped
semi-pelagian
semi-private room
semi-saxon
semi-unabridged dictionary
semi-uncial
semiRussian
semiair-cooled
semiautomatic control
semiautomatic rifle
semibreve rest
semicircular canal
semicircular canals
semiclassical music
semico-operative
semicolon butterfly
semiconductor circuit
semiconductor device
semiconductor physics
semidrying oil
semilatus rectum
semilunar valve
semimajor axis
semiminor axis
seminal duct
seminal fluid
seminal imagination
seminal principle
semiotic unit
semipalmated plover
semipalmented sandpiper
semiprecious stone
semirigid airship
semisimple algebra
semiwter gas
semor sem
semper eadem
semper et ubique
semper fidelis
semper idem
semper paratus
semper-
sen robber
senate house
senate-house
senator-elect
senatorial courtesy
senatorial district
senatus consult
senatus consultum
send a letter to
send a note
send a statement
send a wire
send about your business
send abroad
send after
send away
send back
send down
send flying
send for
send forth
send headlong
send in
send in your papers
send mad
send off
send on a fool’s errand
send on a mission
send out
send out of your mind
send out rays
send packing
send round
send scuttling
send sprawling
send to Coventry
send to Davy Jones's locker
send to glory
send to hell
send to jail
send to kingdom come
send to school
send to sleep
send to the bottom
send to the gas chamber
send to the right-about
send to the showers
send to your last account
send up
send up a prayer
send up a trial balloon
send up the river
send word
send you spinning
send your compliments
send your condolences
send your regards
send-off
send-out
sending abroad
sending back
sending set
sending station
sending to Coventry
seneca oil
seneca snakeroot
senega root
senega snakeroot
seneka root
seneka snakeroot
sengreen saxifrage
senile debility
senile dementia
senile psychosis
senile weakness
senility necrosis
senior checker
senior chief petty officer
senior citizen
senior citizenship
senior common room
senior high
senior high school
senior master sergeant
senior officer
senior securities
seniority rule
senna family
senna tree
sensation level
sensation-proof
sensational play
sense datum
sense faculty
sense finder
sense form
sense group
sense impression
sense of duty
sense of hearing
sense of humor
sense of humour
sense of indebtedness
sense of language
sense of mystery
sense of obligation
sense of relief
sense of rhythm
sense of right and wrong
sense of sight
sense of smell
sense of taste
sense of the meeting
sense of touch
sense of wonder
sense organ
sense perception
sense pleasure
sense stress
sense survival
sense-bereaving
sense-bound
sense-confounding
sense-confusing
sense-data
sense-datum
sense-distracted
sense-ravishing
sensible note
sensible of
sensible price
sensible to
sensible horizon
sensitive area
sensitive ear
sensitive fern
sensitive heart
sensitive plant
sensitive to
sensitivity to
sensitivity training
sensitizing antibody
sensitol green
sensitometric curve
sensory aid
sensory area
sensory awareness training
sensory cell
sensory deprivation
sensory epilepsy
sensory experience
sensory neuron
sensory organ
sensory paralysis
sensory pattern
sensual pleasure
sensum theory
sensuous desire
sensuous pleasure
sensus communis
sentence accent
sentence adverb
sentence balance
sentence building
sentence connector
sentence fragment
sentence making
sentence method
sentence modifier
sentence monger
sentence of death
sentence pattern
sentence stress
sentence structure
sentence substitute
sentence tone
sentential calculus
sentential connective
sentential function
sententious expression
sententious saying
sentiment-proof
sentimental comedy
sentimental novel
sentimental value
sentinel crab
sentry board
sentry box
sentry go
sentry-box
sentry-fashion
sentry-go
separate forcibly
separate from the service
separate identity
separate involuntarily
separate maintenance
separate out
separate person
separate returns
separate school
separate the men from the boys
separate yourself
separated brother
separating funnel
separating power
separation allowance
separation center
separation energy
separation from the service
separation layer
separation negative
separation of attention
separation of powers
separation theorem
separatory funnel
sepia paper
sepia-colored
sepia-eyed
sepia-tinted
seppa dai
sept chord
septal cartilage
septal neck
septem-
septi-
septic poisoning
septic sore throat
septic tank
septicemic plag
septicemic plague
septifragal dehiscence
septo-
septuple time
sequence flasher
sequence flashers
sequence of ideas
sequence of phonemes
sequence of tenses
sequence of thought
sequence switch
sequential access
sequential system
sequentially compact set
sequester yourself
sequoia pitch moth
serbo-
serbo-croatian
sergeant armorer
sergeant at arms
sergeant at law
sergeant bugler
sergeant clerk
sergeant cook
sergeant drummer
sergeant first class
sergeant fish
sergeant footman
sergeant instructor
sergeant major
sergeant painter
sergeant porter
sergeant saddler
sergeant schoolmaster
sergeant tailor
sergeant trumpet
sergeant trumpeter
sergeant-at-arms
sergeant-at-law
sergeant-major
sergeant-majorship
sergeants major
serial bond
serial correlation
serial epilepsy
serial number
serial operation
serial order
serial polygamy
serial right
serial technique
sericin gum
sericite gneiss
sericite schist
series dynamo
series motor
series multiple
series parallel
series resonance
series spectra
series turn
series winding
series-wound
serin finch
serio-
serio-comic
serious drinker
serious drinking
serious literature
serious music
serious operation
serious-minded
serious-mindedly
serious-mindedness
serjeant at arms
serjeant at law
serjeant-at-law
sermon bell
sermon on the mount
sero-
seroplastic inflammation
serous fluid
serous gland
serous inflammation
serous membrane
serpent cucumber
serpent cult
serpent eagle
serpent eater
serpent fern
serpent fish
serpent gourd
serpent grass
serpent melon
serpent moss
serpent radish
serpent star
serpent stone
serpent-god
serpent-goddess
serpent-shaped
serpent-stone
serpentine front
serpentine green
serpentine marble
serpentine stretcher
serran imperial
serrana hispana
serrate-ciliate
serrate-dentate
serrato-
serre-papier
serri-
serum albumin
serum anaphylaxis
serum death
serum disease
serum gamma globulin
serum globulin
serum hepatitis
serum jaundice
serum prothrombin accelerator
serum shock
serum sickness
serum therapy
serum transfusion
servant girl
servant of God
servant of the servants of God
serve Mammon
serve an apprenticeship
serve as
serve in the capacity of
serve in the office of
serve in your stead
serve notice
serve one out
serve out
serve the office of
serve the purpose
serve time
serve with the colors
serve you right
serve your need
serve-out
service ace
service aircraft
service area
service battery
service book
service box
service brake
service break
service buzzer
service call
service cap
service ceiling
service charge
service clasp
service club
service company
service court
service door
service elevator
service engineer
service entrance
service flag
service flat
service hat
service industry
service line
service magazine
service mark
service medal
service module
service of music
service of song
service pension
service pipe
service plate
service road
service side
service side line
service squadron
service stair
service station
service stripe
service switch
service tree
service troop
service uniform
service wall
servient tenement
servile work
serving cart
serving girl
serving hatch
serving knife
serving mallet
serving man
serving pantry
serving stuff
serving table
servo amplifier
servo brake
servo control
servo engineer
servo engineering
servo instrumentation
servo laboratory
servo regulator
servo system
servo tab
servo valve
servo-
servo-control
servo-controlled
servo-motor
servo-pilot
sesame grass
sesame oil
sesame seeds
sesamoid bones
sesqui-
sesquipedalian word
sessile oak
sessile-eyed
sessile-flowered
sessile-fruited
sessile-leaved
sessional indemnity
set a course
set a limit
set a new mark
set a price on
set a question
set a stopping place
set a task
set a trap for
set a value on
set about
set above
set abroach
set afloat
set against
set against one another
set agoing
set an anchor watch
set an arbitrary price on
set an end point
set an examination
set an example
set apart
set aside
set astir
set at
set at defiance
set at each other's throat
set at ease
set at hazard
set at intervals
set at large
set at liberty
set at naught
set at odds
set at rest
set at variance
set at your throat
set attention to
set back
set bar
set before
set before yourself
set book
set by
set by the ears
set chisel
set conditions
set designer
set down
set down as
set down for
set down for hearing
set down to
set eyes on
set fast
set fire to
set foot in
set foot on
set foot on dry land
set for
set form
set forth
set forward
set free
set function
set gauge
set going
set gun
set hammer
set her down
set hook
set hurdles
set in
set in contrast
set in motion
set in opposition
set in order
set in print
set in the tablets of memory
set in towards
set in your ways
set iron
set limits
set little by
set mind
set naught by
set no store by
set nut
set of conditions
set of postulates
set of rooms
set of teeth
set of the current
set of three
set of two
set off
set off against
set off for
set off to advantage
set off to good advantage
set on
set on edge
set on fire
set on foot
set on its base
set on its beam ends
set on its feet
set on its legs
set on your feet
set on your legs
set one back
set one's face against
set out
set out for
set over against
set over against one another
set phrase
set piece
set pin
set point
set pot
set purpose
set right
set sail
set shot
set side by side
set someone on his feet
set speech
set square
set store by
set straight
set task
set temper
set term
set terms
set the Thames on fire
set the brain to work
set the date
set the echoes ringing
set the fashion
set the law at defiance
set the law at naught
set the limit
set the mind to
set the mood
set the pace
set the price tag too high
set the river on fire
set the stage
set the style
set the table on a roar
set the teeth on edge
set the time
set the tone
set the wits to work
set the world on fire
set theory
set to
close the account of
close to work
close toward
close tub
close type
close up
close up for
close up housekeeping
close up in business
close up shop
close upon
close upon on all sides
close width
close with thorns
close your back against the wall
close your cap at
close your cap for
close your compass for
close your course for
close your dignity aside
close your dignity to one side
close your face against
close your foot down
close your foot down on
close your hand and seal
close your hand to
close your heart against
close your heart at rest
close your heart on
close your heart upon
close your house in order
close your jaw
close your mind at ease
close your mind at rest
close your mind upon
set your seal
set your shoulder to the wheel
set your sights on
set your teeth
set your teeth on edge
set your thoughts on
set your wits to work
set yourself against
set-
set-aside
set-back
set-down
set-fair
set-hands
set-in
set-in sleeve
set-off
set-out
set-stitched
set-to
set-up
set-up board
set-upness
set-
setoff sheet
sett beater
settee bed
settee rig
setter-forth
setter-in
setter-on
setter-out
setter-to
setter-up
setting apart
setting aside
setting at liberty
setting block
setting board
setting circle
setting coat
setting day
setting dog
setting free
setting gauge
setting hen
setting in motion
setting lotion
setting node
setting point
setting pole
setting punch
setting rule
setting stake
setting stick
setting sun
setting-free
setting-out
setting-to
setting-up
setting-up exercise
setting-up exercises
settle a score
settle accounts
settle accounts with
settle at
settle bed
settle differences
settle down
settle for
settle in
settle into
settle it
settle on
settle preliminaries
settle the land
settle the matter
settle the score
settle to rest
settle to sleep
settle upon
settle with
settle your differences
settle your hash
settle your mind
settle- abide
settle-bench
settle-brain
settle-down
settled belief
settled in habit
settled judgment
settled principle
settled production
settled purpose
settled soap
seven-mouthed
seven-nerved
seven-ounce
seven-part
seven-part time
seven-piled
seven-ply
seven-point
seven-point circle
seven-poled
seven-pronged
seven-quired
seven-sealed
seven-shilling
seven-shooter
seven-sided
seven-sisters
seven-spot
seven-spotted
seven-syllabled
seven-thirties
seven-thirty
seven-thorned
seven-tined
seven-toned
seven-twined
seven-twisted
seven-up
seven-year
seven-year itch
seventeen-hundreds
seventeen-year
seventeen-year locust
seventh chord
seventh day
seventh heaven
seventh nerve
seventh-day
seventy-day
seventy-dollar
seventy-eight
seventy-eighth
seventy-fifth
seventy-first
seventy-five
seventy-foot
seventy-footer
seventy-four
seventy-fourth
seventy-horse
seventy-mile
seventy-nine
seventy-ninth
seventy-odd
seventy-one
seventy-second
seventy-seven
seventy-seventh
seventy-six
seventy-sixth
seventy-third
seventy-three
seventy-ton
seventy-two
seventy-year
several times
several-celled
several-flowered
several-fold
several-lobed
several-nerved
several-ribbed
severance pay
severance tax
severe check
sew up
sewage disposal
sewage disposal
sewage farm
sewed up
sewee bean
sewer brick
sewer builder
sewer gas
sewer pipe
sewer rat
sewing awl
sewing basket
sewing bench
sewing bird
sewing board
sewing cabinet
sewing circle
sewing class
sewing cotton
sewing machine
sewing needle
sewing press
sewing room
sewing school
sewing silk
sewing society
sewing table
sewing teacher
sewing thread
sewing tray
sewing twine
sewing wire
sewing woman
sewing work
sewing-machine needle
sex act
sex appeal
sex behavior
sex cell
sex characteristic
sex chromosome
sex crime
sex criminal
sex deviant
sex deviate
sex discrimination
sex drive
sex fiend
sex goddess
sex hormone
sex hygiene
sex kitten
sex linkage
sex object
sex organ
sex organs
sex pervert
sex queen
sex ratio
sex-
sex-intergrade
sex-limited
sex-linkage
sex-linked
sex-starved
sexagesimal scale
sexagesimal system
sexagesimo-quarto
sexed-up
sexual psychopath
sexual psychopathy
sexual relations
sexual reproduction
sexual revolution
sexual selection
sexual union
sexual urge
sexually abstinent
sexually excited
sexually innocent
sexy body
sh-sh
shab-rag
shabby-genteel
shabby-gentility
shack bait
shack up
shackle bar
shackle bolt
shackle insulator
shackle joint
shad fly
shad frog
shad scale
shad spirit
shad tree
shad-bellied
shad-belly
shad-blow
shade deck
shade into
shade of difference
shade off
shade pine
shade plant
shade tree
shade-bearing
shade-enduring
shade-giving
shade-grown
shade-loving
shade-seeking
shades and shadows
shades below
shades of death
shading amplifier
shading coil
shadow band
shadow bird
shadow box
shadow cabinet
shadow compass
shadow cone
shadow dance
shadow fight
shadow figure
shadow forth
shadow line
shadow mask
shadow nucleus
shadow of death
shadow of doubt
shadow pantomime
shadow pin
shadow play
shadow show
shadow skirt
shadow stitch
shadow stop
shadow test
shadow-box
shadow-mask kinescope
shadowed forth
shadows numberless
shady dealings
shady reputation
shaft alley
shaft efficiency
shaft eye
shaft feather
shaft furnace
shaft governor
shaft grave
shaft grave tomb
shaft head
shaft horse
shaft horsepower
shaft house
shaft key
shaft sinker
shaft tackle
shaft tug
shaft tunnel
shaft-rubber
shaft-straightener
shaftfoot man
shafting lathe
shag ass
shag rug
shag-haired
shag-rag
shagbark hickory
shaggy cap
shaggy dog story
shaggy-barked
shaggy-bearded
shaggy-bodied
shaggy-coated
shaggy-dog story
shaggy-fleeeced
shaggy-footed
shaggy-haired
shaggy-leaved
shaggy-mane
shaggy-mane mushroom
shaggy-maned
shake a leg
shake all over
shake bolt
shake culture
shake down
shake hands
shake hands and kiss babies
shake hands on
shake hands with
shake hands with yourself
shake in your boots
shake in your shoes
shake it up
shake like an aspen leaf
shake like jelly
shake off
shake off the yoke
shake on it
shake the dust from your feet
shake the head
shake the windows
shake up
shake with laughter
shake your faith
shake your fist at
shake your hand
shake your head
shake your head at
shake-bag
shake-cabin
shake-down
shake-hands
shake-out
shake-rag
shake-up
shakebag club
shakebag match
shakedown artist
shakedown cruise
shaken up
shaking of hands
shaking palsy
shaking prairie
shaking pudding
shaking table
shaky health
shalach manosh
shale green
shale naphtha
shale oil
shale spirit
shallot sauce
shallow structure
shallow water
shallow-bottomed
shallow-brained
shallow-draft
shallow-footed
shallow-forded
shallow-headed
shallow-hulled
shallow-minded
shallow-mindedness
shallow-pated
shallow-read
shallow-rooted
shallow-rooting
shallow-sea
shallow-searching
shallow-sighted
shallow-soiled
shallow-thoughted
shallow-toothed
shallow-waisted
shallow-water
shallow-witted
shallow-wittedness
shalom aleichem
shalom alekhem
shalosh seudos
shalosh seudoth
sham object
sham subject
shama millet
shamalo grass
shame brier
shame child
shame vine
shame-burnt
shame-crushed
shame-eaten
shame-shrunk
shame-stricken
shame-swollen
shameless falsehood
shammy leather
shamrock green
shamrock pea
shamrock-pea
shangri-la
shank bone
shank cutter
shank grass
shank mill
shank of the afternoon
shank of the evening
shank painter
shank's mare
shank's pony
shank-painter
shanks' mare
shanks' pony
shanks's pony
shanty boat
shanty boy
shanty-boater
shape a course
shape note
shape out a course
shape shifting
shape target
shape the hair
shape up
shape your course for
shape-knife
shape-shifting
shape-up
shaped charge
shaped note
shaping dies
shaping imagination
shaping planer
shard beetle
shard-born
shard-borne
share and share alike
share around
share beam
share certificate
share crop
share head
share in
share ledger
share out
share premium
share register
share tenant
share with
share your bed and board
share your grief
share your sorrow
share-out
shared pair
sharing of grief
sharing of sorrow
sharing out
shark barrow
shark bell
shark moth
shark net
shark oil
shark patrol
shark pilot
shark ray
shark siren
shark sucker
shark-liver
shark-liver oil
sharkskin pahoehoe
sharp air
sharp as a needle
sharp as a razor
sharp as a tack
sharp as a two-edged sword
sharp as broken glass
sharp cash
sharp cedar
sharp dock
sharp ear
sharp edge
sharp eye
sharp freezing
sharp frost
sharp iron
sharp look
sharp mixture
sharp pain
sharp practice
sharp sand
sharp sight
sharp wind
sharp words
sharp-angled
sharp-ankled
sharp-back
sharp-back shark
sharp-backed
sharp-beaked
sharp-bellied
sharp-billed
sharp-biting
sharp-bottomed
sharp-breasted
sharp-clawed
sharp-cornered
sharp-cut
sharp-cutting
sharp-eared
sharp-edged
sharp-elnowered
sharp-eye
sharp-eyed
sharp-eyes
sharp-faced
sharp-fanged
sharp-featured
sharp-flavored
sharp-freeze
sharp-freezer
sharp-freezing
sharp-froze
sharp-frozen
sharp-fruitied
sharp-gritted
sharp-ground
sharp-headed
sharp-keeled
sharp-keeled
sharp-leaved
sharp-looking
sharp-minded
sharp-nebed
sharp-nosed
sharp-nosed shark
sharp-nosedly
sharp-nosedness
sharp-odored
sharp-petaled
sharp-piercing
sharp-piled
sharp-pointed
sharp-quilled
sharp-ridged
sharp-set
sharp-setness
sharp-shinned
sharp-shinned hawk
sharp-sighted
sharp-sightedly
sharp-sightedness
sharp-smelling
sharp-smitten
sharp-snouted
sharp-staked
sharp-staring
sharp-tailed
sharp-tailed grouse
sharp-tailed sparrow
sharp-tasted
sharp-tasting
sharp-tempered
sharp-toed
sharp-tongued
sharp-toothed
sharp-toothed unkindness
sharp-topped
sharp-visaged
sharp-whetted
sharp-winged
sharp-witted
sharp-wittedly
sharp-wittedness
sharpen a distinction
sharpen the wits
sharpen your tools
sharper than a serpent's tooth
sharptail mola
shatter your hopes
shattered mind
shattered nerves
shave away
shave grass
shave hook
shave off
shave rush
shaving basin
shaving board
shaving box
shaving brush
shaving case
shaving cream
shaving cup
shaving dies
shaving glass
shaving horse
shaving mill
shaving mirror
shaving mug
shaving paper
shaving paste
shaving powder
shaving set
shaving soap
shaving stand
shaving stick
shaving strop
shaving towel
shaving water
shawl collar
shawl goat
shawl loom
shawl material
shawl pattern
shawl strap
she-school
she-scoundrel
she-society
she-sparrow
she-sun
she-thief
she-tongue
she-villain
she-whale
she-witch
she-wolf
she-woman
shea butter
shea tree
shea-nut
shea-nut oil
sheaf arrow
sheaf catalogue
shear angle
shear boom
shear hulk
shear legs
shear modulus
shear pin
shear plane
shear skid
shear steel
shear strain
shear stress
shear structure
shear transformation
shear zone
shear-grass
shear-legs
shearing deformation
shearing dies
shearing force
shearing machine
shearing plane
shearing punch
shearing stress
shearing tool
sheath gown
sheath knife
sheath moth
sheath pieffield
sheath pile
sheath-fish
sheath-winged
sheathe the sword
sheathing board
sheathing copper
sheathing felt
sheathing lead
sheathing lumber
sheathing nail
sheathing paper
sheave hole
shed a luster on
shed blood
shed burn
shed dormer
shed fresh light upon
shed hand
shed ink
shed light upon
shed luster on
shed new light upon
shed of
shed roof
shed tears
shed-builder ant
sheeling hill
sheep bar
sheep barn
sheep bell
sheep bot
sheep botfly
sheep boy
sheep breeder
sheep breeding
sheep bur
sheep clipper
sheep clipping
sheep dip
sheep dipper
sheep dipping
sheep dog
sheep fair
sheep farm
sheep farmer
sheep farming
sheep fescue
sheep fescue grass
sheep flake
sheep fly
sheep gadfly
sheep hound
sheep husbandry
sheep ked
sheep killer
sheep killing
sheep land
sheep laurel
sheep louse
sheep measles
sheep oat grass
sheep owner
sheep owning
sheep parsley
sheep pelt
sheep pest
sheep plant
sheep poison
sheep pox
sheep rack
sheep raiser
sheep raising
sheep ranch
sheep range
sheep reeve
sheep rot
sheep run
sheep scab
sheep scabious
sheep shears
sheep silver
sheep sorrel
sheep station
sheep tansy
sheep tick
sheep wash
sheep washer
sheep's eye
sheep's eyes
sheep's fescue
sheep's head
sheep's sorrel
sheep's-bit
sheep-biter
sheep-dip
sheep-grazing
sheep-hued
sheep-kneed
sheep-lice
sheep-root
sheep-shearer
sheep-shearing
sheep-sick
sheep-spirited
sheep-tick
sheep-white
sheep-witted
sheepdog trial
sheepshead minnow
sheepshead porgy
sheepswool sponge
sheer batten
sheer boom
sheer chemistry
sheer draft
sheer drawing
sheer hook
sheer leg
sheer legs
sheer line
sheer off
sheer plan
sheer pole
sheer ratline
sheer stockings
sheer strake
sheer thursday
sheer-built
sheer-hulk
sheer-off
sheet anchor
sheet bend
sheet bundler
sheet cable
sheet chain
sheet down
sheet erosion
sheet film
sheet glass
sheet home
sheet iron
sheet lightning
sheet metal
sheet mill
sheet mold
sheet music
sheet of fire
sheet of rain
sheet pavement
sheet pile
sheet piling
sheet steel
sheet tin
sheet watermark
sheet writer
sheet-anchor
sheet-block
sheet-fed
sheet-fed press
sheeting pile
sheld-duck
shelf bracket
shelf catalogue
shelf fungus
shelf ice
shelf ladder
shelf life
shelf list
shelf mark
shelf plate
shelf rest
shelf warmer
shelf-room
shell auger
shell back
shell bark
shell bean
shell bit
shell boiler
shell button
shell carver
shell cast
shell chuck
shell construction
shell couching
shell crest
shell cut
shell dove
shell down
shell drill
shell edging
shell expansion
shell eye
shell feed
shell fire
game
gland
g gray
heap
hole
hooks
ibis
ice
jacket
limestone
marble
money
mound
out
parakeet
pear
pink
plating
pump
quail
reamer
reducer
road
room
ruching
sac
shock
snail
socket
steak
stitch
strake
transformer
turtle
carving
fish
leaf
less
like
shaped
shock
shocked
worker
pahoehoe
belt
cabin
deck
shelter half
shelter pit
shelter tent
shelter trench
shelter under
shelter-deck vessel
sheltering trust
shelterwood method
shelving beach
shenk beer
shepherd dog
shepherd god
shepherd king
shepherd spider
shepherd's check
shepherd's dial
shepherd's dog
shepherd's needle
shepherd's pie
shepherd's pipe
shepherd's plaid
shepherd's purse
shepherd's staff
shepherd's weatherglass
shepherd's-purse
shepherd's-scabious
shepherds-staff
sherbet powder
shere khan
sheriff court
sheriff depute
sheriff substitute
sheriff-pink
sherry brown
sherry cobbler
shetland pony
shetland sheepdog
shetland wool
shibuichi-doshi
shick-shack
shield arm
shield back
shield bearer
shield bud
shield budding
shield bug
shield cell
shield fern
shield fungus
shield grid
shield roots
shield wall
shield-back
shield-bearer
shield-bearing
shield-breaking
shield-fern
shield-headed
shield-leaved
shield-maiden
shield-scale fungus
shield-shaped
shield-tailed snake
shiffle-shuffle
shift about
shift ballast
shift bid
shift boss
shift for yourself
shift into
shift joint
shift key
shift lock
shift marriage
shift of structure
shift of tense
shift off
shift place
shift the blame
shift the control
shift the responsibility
shift the rudder
shift the scene
shift with
shift your ground
shifter fork
shifting course
shifting cultivation
shifting path
shifting pedal
shifting sands
shifting scene
shifting spanner
shifting trust
shifting use
shifty-eyed
shih-tzu
shilling mark
shilling shocker
shilly-shallied
shilly-shallies
shilly-shally
shilly-shallyer
shilly-shallying
shilly-shallyingly
shim plow
shim-sham
shimmer with heat
shin guard
shin oak
shin up
shin-bone
shin-tangle
shindig dancer
shine a light
shine at
shine brightly
shine forth
shine in
shine out
shine through
shine up to
shine upon
shiner perch
shiner sea perch
shiner-up
shingle band
shingle bolt
shingle lap
shingle oak
shingle roof
shingle tree
shingle weaver
shingle-back
shining example
shining flycatcher
shining from shook foil
shining light
shining oat grass
shining willow
shiny-backed
ship ahoy
ship auger
ship biscuit
ship boat
ship borer
ship breaker
ship broker
ship canal
ship carpenter
ship carpentry
ship chandler
ship chandlery
ship control
ship decanter
ship fever
ship head
ship joiner
ship ladder
ship letter
ship money
ship news
ship oars
ship of state
ship of the desert
ship of the line
ship of war
ship out
ship part
ship pendulum
ship pound
ship railway
ship rat
ship rigger
ship room
ship route
ship splice
ship stuff
ship time
ship tire
ship writ
ship's biscuit
ship's boat
ship's boy
ship's carpenter
ship's company
ship's cooper
ship's husband
ship's log
ship's officer
ship's papers
ship's ropes
ship's service
ship's tailor
ship's watch
ship's writer
ship-chandler
ship-holder
ship-load
ship-minded
ship-mindedly
ship-mindedness
ship-money
ship-of-war
ship-rigged
ship-shape
ship-shaped
ship-to-shore
ship-to-shore radio
shipboard interceptor
shipboard plane
shiplapped lumber
shipper fork
shipping articles
shipping center
shipping clerk
shipping commissioner
shipping fever
shipping mark
shipping master
shipping note
shipping office
shipping order
shipping pneumonia
shipping room
shipping ton
shipping-dry
shipplane carrier
shipshape and Bristol fashion
shire borough
shire day
shire ground
shire horse
shire knight
shire moot
shire reeve
shire town
shire-moot
shirely poppy
shirred eggs
shirt board
shirt dresser
shirt frame
shirt frill
shirt front
shirt ironer
shirt sleeve
shirt-dress
shirt-sleeve
shirt-sleeve diplomacy
shirt-sleeved
shirt-tail
shirtwaist dress
shirtwaist suit
shish kebab
shit in your pants
shit-headed
shittah tree
shittim wood
shive wheel
shiver my timbers
shiver spar
shoal duck
shoal water
shock absorber
shock action
shock battalion
shock bump
shock cord
shock corps
shock dog
shock force
shock pad
shock reaction
shock soldier
shock tactics
shock therapy
shock treatment
shock troops
shock tube
shock wave
shock-bucker
shock-dog
shock-head
shocking pink
shoe blacking
shoe block
shoe board
shoe boil
shoe bolt
shoe box
shoe buckle
shoe button
shoe cleaner
shoe dauber
shoe dealer
shoe department
shoe drill
shoe dye
shoe fastener
shoe findings
shoe last
shoe lafter
shoe leather
shoe lifter
shoe machinery
shoe mender
shoe merchant
shoe nail
shoe peg
shoe piece
shoe polish
shoe polisher
shoe repaired
shoe shiner
shoe silver
shoe stone
shoe store
shoe tie
shoe tree
shoe trimmer
shoe-button spider
shoe-cleaning
shoe-horn
shoe-leather
shoe-make
shoe-spoon
shoeblack plant
shoeing-horn
shoeless horse
shoestring catch
shoestring fern
shoestring fungus
shoestring lily
shoestring margin
shoestring potato
shoestring weed
shoggy-shoo
shoo-fly pie
shoo-in
shoo-fly finger
shoofly pie
shook swarming
shook up
shook-up
shoot ahead
shoot ahead of
shoot apex
shoot at
shoot back
shoot ballast
shoot craps
shoot down
shoot down in flames
shoot for
shoot full of holes
shoot into space
shoot it out with
shoot off at an angle
shoot off your face
shoot off your mouth
shoot out
shoot out rays
shoot questions at
shoot straight
shoot straight with
shoot the breeze
shoot the bull
shoot the chutes
shoot the shit
shoot the sun
shoot the works
shoot through
shoot to death
shoot up
shoot your bolt
shoot your cookies
shoot-’em-up
shoot-off
shoot-out
shoot-root ratio
shoot-the-chutes
shooting board
shooting box
shooting brake
shooting coat
shooting fish
shooting gallery
shooting glove
shooting iron
shooting jacket
shooting lodge
shooting match
shooting pain
shooting range
shooting script
shooting star
shooting stick
shooting up
shooting war
shop around
shop assistant
shop at
shop bill
shop chairman
shop clerk
shop committee
shop complex
shop deputy
shop drawing
shop fitter
shop floor
shop lumber
shop paper
shop right
shop rivet
shop steward
shop-board
shop-made
shop-soiled
shop-window
shopping cart
shopping center
shopping centre
shopping complex
shopping goods
shopping mall
shopping plaza
shopping precinct
shopping spree
shore bird
shore boat
shore boulder
shore cod
shore cover
shore crab
shore dinner
shore fast
shore grape
shore grass
shore lark
shore leave
shore line
shore onion
shore party
shore patrol
shore pay
shore pine
shore pipit
shore sparrow
shore spurge
shore terrace
shore up
shore whiting
shore-going
shored up
shorn of
short account
short allowance
short and
short and sweet
short answer
short ballot
short bill
short bob
short circuit
short column
short commons
short covering
short cross
short cut
short demy
short distance
short division
short duration
short end
short extension
short field
short fuse pepperiness
short game
short haul
short hundredweight
short interest
short iron
short jenny
short leet
short leg
short line
short list
short loin
short measure
short memory
short memory span
short odds
short of
short of breath
short of cash
short of funds
short of luck
short of money
short of wind
short on looks
short order
short out
short pants
short particular meter
short period
short piece
short plate
short position
short range aid to navigation
short rations
short rib
short ribs
short sale
short score
short seller
short session
short short story
short shorts
short shrift
short side
short sight
short snorter
short spell
short splice
short step
short stock
short story
short subject
short suit
short supply
short sweetening
short temper
short time
short title
short ton
short up
short version
short vowel
short wave
short way
short weight
short wool
short-arm
short-arm balance
short-arm blow
short-armed
short-awned
short-barred
short-barreled
short-beaked
short-bearded
short-billed
short-bitten
short-bladed
short-bobbed
short-bodied
short-branched
short-bread
short-breasted
short-breathed
short-breathing
short-cake
short-celled
short-change
short-changed
short-changer
short-changing
short-chinned
short-circuit
short-circuiter
short-clawed
short-cloaked
short-commons
short-coupled
short-crested
short-cropped
short-crowned
short-cut
short-cycle
short-cycled
short-dated
short-day
short-distance
short-docked
short-drawn
short-eared
short-eared owl
short-extend
short-eyed
short-faced
short-fed
short-fingered
short-finned
short-footed
short-fruit
short-grained
short-growing
short-hair
short-hair plume grass
short-hared
short-handed
short-handled
short-haul
short-headed
short-headedness
short-heeled
short-hop airline
short-horned
short-horned grasshopper
short-jointed
short-keeled
short-laid
short-landed
short-lasting
short-leaf
short-leaved
short-legged
short-limbed
short-lined
short-list
short-lived
short-livedness
short-living
short-long
short-lunged
short-made
short-manned
short-measured
short-mouthed
short-nailed
short-napped
short-necked
short-nighted
short-nosed
short-order
short-order cook
short-period comet
short-period variable
short-pitch
short-pitch winding
short-podded
short-pointed
short-quartered
short-range
short-run
short-running
short-set
short-shafted
short-shanked
short-shelled
short-shipped
short-short
short-shouldered
short-shucks
short-sighted
short-sightedness
short-skirted
short-sleeved
short-sleeved shirt
short-sloped
short-snouted
short-span
short-spined
short-spined sea scorpion
short-spired
short-spoken
short-spurred
short-staffed
short-stalked
short-staple
short-staple isinglass
short-statured
short-stemmed
short-stepped
short-stop
short-stop bath
short-story
short-story writer
short-story writing
short-styled
short-suiter
short-sword
short-tailed
short-tailed shrew
short-tempered
short-term
short-term bond
short-term loan
short-term memory
short-term note
short-termed
short-time
short-time rating
short-toed
short-tongued
short-toothed
short-trunked
short-trussed
short-twisted
short-waisted
short-wall machine
short-weight
short-weighter
short-winded
short-windedly
short-windedness
short-winged
short-witted
short-wool
short-wooled
short-wristed
shorten sail
shortened version
shortest way
shortfin corvina
shorthand typist
shortleaf pine
shortleaf yellow pine
shortness of breath
shortstop bath
shortwave antenna
shortwave band
shortwave broadcasting
shortwave diathermy
shortwave diathermy machine
shortwave radio
shortwave receiver
shortwave signal
shortwave station
shortwave transmitter
shot borer
shot bort
shot cartridge
shot corn
shot crossbow
shot drill
shot effect
shot garland
shot glass
shot hoist
shot hole
shot holing
shot hooks
shot in the arm
shot in the dark
shot in the locker
shot lighter
shot line
shot locker
shot metal
shot noise
shot plant
shot put
shot rope
shot samples
shot silk
shot through
shot to pieces
shot tongs
shot tower
shot-blasting
shot-clog
shot-free
shot-gun
shot-hole borer
shot-log
shot-peen
shot-put
shot-puter
shot-putting
shot-silk
shot-stified
shotgun marriage
shotgun microphone
shotgun pattern
shotgun wedding
shotten down
should want
should-be
shoulder a gun
shoulder angle
shoulder arm
shoulder arms
shoulder bag
shoulder bar
shoulder belt
shoulder blade
shoulder block
shoulder board
shoulder bone
shoulder brace
shoulder cloid
shoulder flash
shoulder girdle
shoulder gun
shoulder knot
shoulder loop
shoulder mark
shoulder note
shoulder pad
shoulder patch
shoulder point
shoulder screw
shoulder sleeve insignia
shoulder slip
shoulder strap
shoulder to shoulder
shoulder tuft
shoulder weapon
shoulder-blade
shoulder-bone
shoulder-clap
shoulder-clapper
shoulder-high
shoulder-hitter
shoulder-knot
shoulder-piece
shoulder-shotten
shoulder-strap
shouldered arch
shout at the top of your voice
shout defiance
shout down
shout from the housetops
shout hallelujah
shout hosanna
shout of laughter
shout out
shout song
shouting distance
shove aside
shove away
shove in your oar
shove off
shove the queer
shove-groat
shove-ha'penny
shove-halfpenny
shove-hapenny
shove-jointed
shovel cultivating
shovel hat
shovel plow
shovel-beaked
shovel-bladed
shovel-board
shovel-footed
shovel-handed
shovel-hatted
shovel-headed
shovel-mouthed
shovel-nose
shovel-nosed
shovel-nosed duck
shovel-nosed ray
shovel-nosed shark
shovel-nosed sturgeon
shovel-shaped
shovelhead catfish
shovelhead shark
shovelnose sturgeon
shoving match
show a bold front
show a clean pair of heels
show a deficit
show a direction
show a lack of respect for
show a leg
show a light pair of heels
show a proper spirit
show a set
show a tendency
show a trend
show aptitude for
show bill
show biz
show box
show business
show card
show consideration
show copy
show dahlia
show disrespect for
show distaste for
show dog
show end
show expertise
show fight
show forth
show fragility
show geranium
show girl
show glass
show how
show improvement
show in the best colors
show its colors
show its face
show kindness to
show marks of age
show mercy
show no amazement
show no appetite
show no mercy
show of hands
show of joy
show off
show one's cards
show one's face
show palce
show pipe
show pity
show preference
show resentment
show respect
show respect for
show ring
show sensitivity
show signs of
show signs of life
show someone the door
show stone
show stopper
show sufficient grounds for
show tact
show talent for
show the door
show the gate
show the heels
show the way
show the white feather
show the white flag
show through
show trial
show up
show up late
show what you have
show window
show you your place
show your age
show your authority
show your cards
show your colors
show your face
show your hand
show your heels to
show your mind
show your teeth
show your true colors
show yourself
show-bread
show-me
show-off
show-offish
show-offy
show-through
show-worthy
shower bath
shower bouquet
shower curtain
shower down
shower down upon
shower head
shower room
shower stall
shower-bath
showing for all to see
showing forth
showing up
showing-off
shown up
showy crab apple
showy gaillardia
showy mentzelia
showy milkweed
showy orchis
showy portulaca
showy primrose
showy sunflower
showy-flowered
showy-leaved
shred of comfort
shred-pie
shrew mole
shrewd-brained
shrewd-headed
shrewd-looking
shrewd-pated
shrewd-tongued
shrewd-witted
shriek owl
shriek-owl
shrift-father
shrike thrush
shrike tit
shrill sound
shrill-edged
shrill-gorged
shrill-toned
shrill-tongued
shrill-voiced
shrimp catcher
shrimp pink
shrimp red
shrink back
shrink fit
shrink from
shrink link
shrink rule
shrink-wrap
shrinkage fit
shrinkage rule
shrinkage stope
shrinking fit
shrinking head
shrinking violet
shrive yourself
shrivel up
shriveled up
shroud knot
shroud line
shroud lines
shroud plate
shroud-laid
shrouded in darkness
shrouded in mystery
shrouded spirit
shrove monday
shrove sunday
shrove tuesday
shrove-tide
shroving time
shrub cinquefoil
shrub mallow
shrub oak
shrub steppe
shrub willow
shrub yellowroot
shrubby cinquefoil
shrug away
shrug it off
shrug off
shrug the shoulders
shrug your shoulders at
shuck off
shuck spray
shuck-bottom
shudder at
shudder of the flesh
shuffle along
shuffle off
shuffle off this mortal coil
shuffle on
shuffle out of
shuffle scale
shuffle the cards
shuffle-board
shun companionship
shun-pike
shunt circuit
shunt dynamo
shunt excitation
shunt field
shunt lamp
shunt lead
shunt motor
shunt valve
shunt winding
shunt-wound
shunting engine
shunting off
shut down
shut down on
shut fast
shut in
shut it down
shut mind
shut my mouth
shut of
shut of day
shut off
shut out
shut the door
shut the door in your face
shut the door to
shut the door upon
shut the eyes of your mind
shut the eyes to
shut tight
shut up
shut up shop
shut your bazoo
shut your doors
shut your ears
shut your eyes
shut your eyes to
shut your face
shut your mouth
shut your trap
shut yourself up
shut-away
shut-eye
shut-in
shut-in personality
shut-mouthed
shut-off
shut-out
shut-out bid
shut-up
shutter box
shutter dam
shutter speed
shutter weir
shutting post
shutting stile
shutting up
shutting-in
shuttle armature
shuttle bombing
shuttle bone
shuttle box
shuttle diplomacy
shuttle flights
shuttle loading
shuttle race
shuttle raid
shuttle rocket
shuttle service
shuttle shell
shuttle train
shuttle trip
shuttle winding
shuttle-core
shuttle-core magneto
shuttle-witted
shuttle-wound
shuttlecock-flower
shutur sowar
shy at
shy away
shy of
shy of belief
shy off
shy on
shy person
si quaeris peninsulam amo
si quis
siamese cat
siamese connection
siamese joint
siamese twin
sibber sauce
sibby bean
siberian brown
siberian husky
sic at
sic on
sic passim
sic semper tyrannis
sic transit gloria mundi
sicca rupee
sick abed
sick and tired of
sick as a dog
sick at heart
sick at the stomach
sick bay
sick berth
sick call
sick fancy
sick flag
sick headache
sick humor
sick in the head
sick joke
sick leave
sick list
sick market
sick mind
sick nurse
sick of
sick on each other
sick pay
sick person
sick to the stomach
sick to your stomach
sick unto death
sick up
sick-abed
sick-bed
sick-brained
sick-fallen
sick-feathered
sick-in
sick-list
sick-nurse
sick-nursish
sick-out
sick-pale
sick-thoughted
sicken at
sicken for
sicken of
sicken with
sickle bar
sickle bender
sickle cell
sickle cell anaemia
sickle cell anemia
sickle cell disease
sickle feather
sickle ham
sickle herb
sickle hock
sickle medick
sickle of Death
sickle senna
sickle thorn
sickle-billed
sickle-billed curlew
sickle-billed thrasher
sickle-cell
sickle-cell anemia
sickle-cell disease
sickle-grass
sickle-hammed
sickle-hocked
sickle-leaved
sickle-like
sickle-shaped
sickle-tailed
sickly hue
sickly-born
sickly-colored
sickly-looking
sickly-seeming
sickly-sweet
sickly-sweetness
sickness benefit
sickness insurance
sicut patribus sit Deus nobis
side action
side aisle
side arm
side arms
side ax
side band
side bar
side beam
side bench
side bet
side box
side boy
side brake
side by side
side cap
side car
side card
side chain
side chair
side chapel
side check
side chisel
side circuit
side cut
side cutting
side delivery
side dish
side door
side drum
side effect
side face
side frequency
side hatchet
side horse
side interest
side issue
side jointer
side keelson
side ladder
side lamp
side light
side line
side meat
side mirror
side oats
side of bacon
side of controversy
side partner
side path
side prime
side reaction
side remark
side road
side room
side scene
side sewing
side step
side stitch
side street
side suit
side table
side thread stitch
side whisker
side whiskers
side wire stitch
side with
side-bar
side-bar keel
side-bar rule
side-beam engine
side-bended
side-bone
side-box
side-by-side
side-by-sideness
side-cast
side-chain theory
side-cut
side-door
side-dress
side-dressed
side-dressing
side-end
side-end line
side-flowing
side-glance
side-graft
side-handed
side-hanging
side-kick
side-lever
side-lever engine
side-light
side-line
side-liner
side-look
side-looker
side-lying
side-necked
side-on
side-post
side-saddle
side-seen
side-show
side-skip
side-slip
side-splitting
side-step
side-stepped
side-stepper
side-stepping
side-stick
side-stitched
side-table
side-taking
side-track
side-valve engine
side-view
side-walk
side-wall
side-wheel
side-wheeler
side-whiskered
side-whiskers
side-wind
side-winded
side-winder
sidearm heater
sidelight castle
sidelight tower
sidelong look
sider-
siderating plague
sidereal clock
sidereal day
sidereal hour
sidereal hour angle
sidereal minute
sidereal month
sidereal second
sidereal time
sidereal universe
sidereal year
siderin yellow
sidero-
sidesaddle flower
sideslip landing
sidewalk artist
sidewalk bike
sidewalk door
sidewalk elevator
sidewalk salesman
sidewalk superintendent
sideward motion
siding tool
siding track
sidle up to
siege artillery
siege cannon
siege carriage
siege engine
siege gun
siege howitzer
siege mortar
siege perilous
siege piece
siege train
siege wagon
siege warfare
siegfried line
sierra brownbark pine
sierra juniper
sierra plum
sierra redbark pine
sieva bean
sieve cell
sieve disk
sieve maker
sieve making
sieve out
sieve pit
sieve plate
sieve pore
sieve tissue
sieve tube
sieve vessel
sift out
sifting out
sigh for
sigh of relief
sigh-born
sighed-for
sight bill
sight draft
sight edge
sight for sore eyes
sight gag
sight land
sight line
sight on
sight point
sight reader
sight reading
sight rhyme
sight rule
sight screen
sight seeing trip
sight setter
sight unseen
sight vane
sight-feed
sight-hole
sight-read
sight-reader
sight-reading
sight-saver type
sight-see
sight-seeing
sight-seer
sight-shot
sight-unseen transaction
sighting angle
sighting hood
sighting shot
sightless eyes
sigma finite set
sigma particle
sigma-ring
sigmoid flexure
sign a petition
sign and seal
sign away
sign factor
sign for
sign in
sign language
sign manual
sign of aggregation
sign of the cross
sign of the three balls
sign of the times
sign of the zodiac
sign off
sign on
sign on the dotted line
sign out
sign over
sign painter
sign painting
sign up
sign up for
sign your death warrant
sign your note
sign-board
sign-manual
sign-off
sign-post
signal alarm
signal beacon
signal bell
signal board
signal box
signal corps
signal display
signal fades
signal fire
signal flag
signal flare
signal generator
signal gong
signal gun
signal halyard
signal lamp
signal lantern
signal light
signal lights
signal mast
signal modulation
signal multiplier
signal noise ratio
signal of distress
signal oil
signal post
signal red
signal relay
signal rocket
signal separator
signal service
signal shot
signal siren
signal squirter
signal tower
signal whistle
signal wire
signal-noise ratio
signal-to-noise ratio
signature loan
signature mark
signature tune
signed and sealed
signet ring
signet-ring
significance level
significant fact
significant figures
significant form
significat form
signify nothing
signifying nothing
signing on
signs manual
signs of the zodiac
silage cutter
silence cloth
silence of the grave
silence of the tomb
silent area
silent as a post
silent as a stone
silent as the grave
silent as the shadows
silent as the tomb
silent barter
silent butler
silent cataracts
silent chain
silent consent
silent discharge
silent film
silent majority
silent partner
silent poetry
silent prayer
silent service
silent trade
silent treatment
silic-
silica brick
silica gel
silica glass
silica ware
silicate cotton
silicate paint
silicated soap
siliceo-
silici-
silicic acid
silicified wood
silium bronze
silico-
silicon bronze
silicon carbide
silicon controlled rectifier
silicon copper
silicon dioxide
silicon fluoride
silicon hydride
silicon nitrimide
silicon spiegel
silicon star
silicon steel
silicon tetrachloride
silicon tetraethyl
silicon tetrfluoride
silicone resin
silicone rubber
silk cotton
silk coverer
silk discharger
silk floss
silk fowl
silk gelatin
silk gland
silk glue
silk gown
silk grass
silk green
silk gum
silk hat
silk louse
silk mercer
silk mill
silk moth
silk muslin
silk oak
silk paper
silk plant
silk serge
silk snapper
silk spider
silk spinner
silk stocking
silk stockings
silk stretcher
silk tartan
silk tester
silk thrower
silk throwster
silk tree
silk vine
silk weaver
silk wire
silk-bark
silk-bark oak
silk-cotton
silk-cotton family
silk-cotton tree
silk-family
silk-gownsman
silk-hatted
silk-robed
silk-screen
silk-screen artist
silk-screen printing
silk-screen process
silk-skirted
silk-soft
silk-stocking
silk-stocking district
silk-stocking politics
silk-stocking ward
silk-stockinged
silk-tail
silk-tassel tree
silk-winder
silken repose
silken-coated
silken-fastened
silken-leafed
silken-sailed
silken-sandaled
silken-shining
silken-soft
silken-threaded
silken-winged
silkimg machine
silkscreen process
silkworm gut
silkworm jaundice
silkworm moth
silkworm rot
silkworm seed
silky anteater
silky camellia
silky cornel
silky grass
silky oak
silky swallowwort
silky terrier
silky-barked
silky-black
silky-haired
silky-leaved
silky-looking
silky-smooth
silky-soft
silky-textured
silky-voiced
sill cock
sill course
sill floor
sill-like
silly Billy
silly about
silly ass
silly grin
silly over
silly season
silly smilesilly-billy
silly-faced
silly-facedly
silly-shally
silo filler
silt grass
silt up
siluro-
silver age
silver bass
silver beard grass
silver bell
silver birch
silver bromide
silver cat
silver certificate
silver chloride
silver citrate
silver cord
silver cyanide
silver dollar
silver fir
silver fish
silver fizz
silver fluoride
silver foil
silver fox
silver frost
silver fulminate
silver gilt
silver grain
silver grass
silver gray
silver green
silver hair
silver hake
silver iodate
silver iodide
silver jenny
silver jubilee
silver king
silver kings
silver lace
silver lactate
silver lead
silver leaf
silver lining
silver maple
silver medal
silver mill
silver mine
silver miner
silver mining
silver morning-glory
silver nitrate
silver ore
silver oxide
silver paper
silver perch
silver plate
silver plater
silver plating
silver point
silver polish
silver powder
silver protein
silver queen
silver sage
silver salmon
silver salt
silver screen
silver smelter
silver spoon
silver standard
silver star medal
silver storm
silver thaw
silver threads among the gold
silver tin
silver tongue
silver vine
silver vitellin
silver wattle
silver wedding
silver wedding anniversary
silver white
silver-backed
silver-bar
silver-bar fish
silver-barked
silver-barred
silver-bearded
silver-bearing
silver-bell
silver-bell tree
silver-black
silver-bordered
silver-bright
silver-buskined
silver-chased
silver-chiming
silver-clasped
silver-clear
silver-coated
silver-colored
silver-coloured
silver-copper
silver-corded
silver-cupped
silver-eddied
silver-embroidered
silver-eye
silver-eyed
silver-eyes
silver-feathered
silver-fleeced
silver-flowing
silver-footed
silver-fork
silver-fronted
silver-glittering
silver-golden
silver-grained
silver-gray
silver-grey
silver-hafted
silver-haired
silver-handled
silver-headed
silver-lace vine
silver-laced
silver-lead
silver-leaved
silver-leaved linden
silver-leaved nightshade
silver-lined
silver-mail
silver-melting
silver-mounted
silver-penciled
silver-plate
silver-plated
silver-plating
silver-print drawing
silver-producing
silver-rag
silver-rimmed
silver-shafted
silver-shedding
silver-shining
silver-smitten
silver-sounded
silver-sounding
silver-spangled
silver-spoon
silver-spoonism
silver-spotted
silver-streaming
silver-striped
silver-studded
silver-sweet
silver-swellng
silver-thread
silver-thread blight
silver-thrilling
silver-tipped
silver-toned
silver-tongue
silver-tongued
silver-tongued orator
silver-true
silver-tuned
silver-using
silver-voiced
silver-washed
silver-winged
silver-wiry
silver-work
silverberry family
silverleaf boree
silverleaf linden
silverleaf maple
silverleaf poplar
silverleaf redwood
silvertop palmetto
silverwing gray
silvery hair
silvery moon
silvi-
simblin cake
simchas torah
simian shelf
similar sound
similar sounding
similarity transformation
simile mark
similia similibus curantur
simmer down
simnel cake
simon legree
simon pure
simon-pure
simple Fink truss
simple algebra
simple algebraic extension
simple arc
simple as ABC
simple assault
simple chancre
simple circularity
simple closed curve
simple contract
simple diet
simple enumeration
simple equation
simple extension
simple fact
simple fraction
simple fracture
simple fruit
simple harmonic motion
simple honors
simple idea
simple inflammation
simple interest
simple interval
simple larceny
simple machine
simple majority
simple measure
simple microscope
simple motion
simple pole
simple protein
simple radical
simple reflex
simple sentence
simple soul
simple syrup
simple tense
simple time
simple transcendental extension
simple twist of the wrist
simple variable
simple vow
simple-armed
simple-faced
simple-headed
simple-hearted
simple-leaved
simple-life
simple-lifer
simple-mannered
simple-minded
simple-mindedly
simple-mindedness
simple-rooted
simple-seeming
simple-speaking
simple-stemmed
simple-toned
simple-tuned
simple-witted
simple-wittedness
simplex method
simplex telegraphy
simply and solely
simply connected
simply ordered
simply ordered set
simply-connected
simulated rank
simultaneous equations
sin against the Holy Ghost
sin eater
sin eating
sin money
sin of Adam
sin of commission
sin of omission
sin of pride
sin offering
sin rent
sin-absolved
sin-absolving
sin-afflicting
sin-black
sin-born
sin-bred
sin-burdened
sin-burthened
sin-chastising
sin-clouded
sin-concealing
sin-condemned
sin-consuming
sin-crushed
sin-drowned
sin-guilty
sin-indulging
sin-laden
sin-loving
sin-mortifying
sin-offering
sin-proud
sin-revenging
sin-sick
sin-sickness
sin-soiling
sin-sowed
sin-thralled
sin-washing
sin-wounded
sinay bean
since God knows when
since Hector was a pup
since days of yore
since long ago
since the world was made
since the world was young
since the year one
since time began
sincere friendship
sindbad the sailor
sine bar
sine curve
sine die
sine galvanometer
sine law
sine mechanism
sine prole
sine qua non
sine wave
sine-qua-nonical
sine-qua-noniness
sine-wave
sinew-backed
sinew-grown
sinew-shrunk
sinful act
sing a different tune
sing a familiar tune
sing deathless songs
sing in chorus
sing in the shrouds
sing out
sing praises
sing small
sing the blues
sing the praise of
sing the praises of
sing the same old song
sing the same old tune
sing your own praises
sing your praises
sing-in
sing-sing
sing-song
singhara nut
singing bird
singing book
singing bread
singing club
singing lesson
singing master
singing part
singing psalm
singing school
singing society
singing teacher
singing voice
single Spanish burton
single bed
single blessedness
single block
single bond
single combat
single condition
single crochet
single cut
single doubler
single entry
single file
single girl
single knot
single man
single messages
single microscope
single mordent
single out
single person
single purchase
single quotation marks
single quotes
single reed
single rhyme
single sap
single sculls
single shell
single sideband
single sideband transmission
single space
single standard
single state
single step rocket
single stitch
single system
single tackle
single tape
single tax
single taxer
single ticket
single transfer
single transferrable vote
single voice
single vote
single voting
single whip
single wicket
single wing
single wingback formation
single woman
single-acting
single-acting engine
single-action
single-action engine
single-bank
single-banked
single-barrel
single-barreled
single-barrelled
single-beat
single-bitted
single-blind
single-blossomed
single-bodied
single-branch
single-breasted
single-breasted jacket
single-breasted suit
single-button carbon microphone
single-caped
single-cell
single-celled
single-chamber
single-colored
single-combed
single-crested
single-leaved
single-lens reflex
single-letter
single-lever
single-light
single-line
single-living
single-loader
single-masted
single-measure
single-member
single-member constituency
single-member district
single-minded
single-mindedly
single-mindedness
single-motored
single-mouthed
single-name
single-name paper
single-nerved
single-pass
single-pen
single-phase
single-phase alternating current
single-phase motor
single-phaser
single-piece
single-pitched
single-plated
single-ply
single-pointed
single-pole
single-prop
single-punch
single-rail
single-reed
single-reed instrument
single-reefed
single-rivet
single-riveted
single-row
single-screw
single-seated
single-seater
single-seed
single-seed cucumber
single-seeded
single-shear
single-sheaved
single-shooting
single-shot
single-soled
single-space
single-speech
single-stage
single-stage rocket
single-step
single-stepped
single-stick
single-stitch
single-strand
single-strength
single-stroke
single-surfaced
single-swing
single-swing joint
single-tap
single-tax
single-thoughted
single-threaded
single-throw
single-throw switch
single-tongue
single-tonguing
single-track
single-tree
single-trip
single-trunked
single-twist
single-twisted
single-valued
single-walled
single-wheel
single-wheeled
single-whip
single-whip tackle
single-wicket
single-wire
single-wired
 singled out
 singled-out
 singleness of heart
 singleness of purpose
 singles court
 singular point
singular proposition
sinister influence
sinister-handed
sinistro-
sink away
sink back
sink boat
sink box
sink down
sink in
sink in the mind
sink into despair
sink into oblivion
sink into the mind
sink like lead
sink money in
sink of corruption
sink of iniquity
sink or swim
sink or swim with
sink your soul
sink-hole
sink-stone
sinker bar
sinker boat
sinker drill
sinker wood
sinkhole drainage
sinking bowl
sinking fund
sinking head
sinking heart
sinking speed
sinking stomach
sinking-fund
sinking-fund bond
sinking-fund payment
sinn fein
sino-
sino-tibetan
sinoatrial node
sinuate-leaved
sinuato-
sinumbra lamp
sinuoso-
sinus arrhythmia
sinus band
sinus node
sinusoidal circuit
sinusoidal projection
siphon alga
siphon barometer
siphon bottle
siphon condenser
siphon cup
siphon gauge
siphon off
siphon recorder
siphon slide
siphon spillway
siphono-
sir-reverence
sirdar bearer
sire-found
siren song
sirloin steak
sirup sorghum
sisal hemp
siskin parrot
sissy-pants
sister block
sister cell
sister fold
sister hook
sister keelson
sister rib
sister ship
sister-german
sister-in-law
sister-wife
sisters under the skin
sit around
sit at
sit at the feet of
sit back
sit bolt upright
sit by
sit down
sit down at the bargaining table
sit down on
sit down together
sit down with
sit in
sit in for
sit in judgment
sit in on
sit it out
sit on
sit on a barrel of gunpowder
sit on the dais
sit on the fence
sit on the sidelines
sit on the tail of
sit on the throne
sit on your ass
sit on your butt
sit on your duff
sit on your hands
sit out
sit over
sit pretty
sit shibah
sit tight
sit under
sit up
sit up and take notice
sit up for
sit upon
sit upon thorns
sit well with one
sit well with you
sit-down
sit-down strike
sit-downer
sit-fast
sit-in
sit-up
sit-upon
sit-down striker
site development
site land
sitio-
sitka spruce
sito-
sitter-by
sitter-in
sitter-out
sitting day
sitting duck
sitting height
sitting place
sitting room
sitting shot
sitting tenant
sitting trot
situation comedy
situation ethics
situational neurosis
situational psychosis
situs inversus
sitz bath
siva snake
siva-siva
siwash sweater
six and two threes
six feet above contradiction
six feet under
six o'clock
six point
six ways from Sunday
six-acre
six-angled
six-arched
six-banded
six-bar
six-barred
six-barreled
six-bottle
six-by-six
six-canted
six-cent
six-chambered
six-colored
six-cornered
six-coupled
six-course
six-cut
six-cylinder
six-cylindrical
six-day
six-dollar
six-eared
six-edged
six-eighth
six-eighth time
six-ell
six-eyed
six-faced
six-figure income
six-figured
six-fingered
six-flowered
six-foiled
six-foot
six-footed
six-footer
six-gallon
six-gated
six-gilled
six-gilled shark
six-grain
six-gram
six-gun
six-headed
six-hoofed
six-horse
six-hour
six-inch
six-jointed
six-leaved
six-legged
six-letter
six-lettered
six-lined
six-lobed
six-masted
six-master
six-mile
six-minute
six-mouth
six-o-six
six-oared
six-o'clock
six-ounce
six-pack
six-part time
six-petaled
six-phase
six-plumed
six-ply
six-pointed
six-pointed star
six-pot
six-pound
six-pounder
six-ranked
six-rayed
six-ribbed
six-room
six-roomed
six-rowed
six-second
six-shafted
six-shared
six-shilling
six-shooter
six-sided
six-spined
six-spot
six-spotted
six-storied
six-story
six-stringed
six-striped
six-syllable
six-three-three
six-time
six-ton
six-week
six-weeks grass
six-wheel
six-wheeled
six-wheeler
six-winged
six-yard
six-yard area
six-yard line
six-year
six-year-old
sixpenny bit
sixteen-foot
sixteen-foot stop
sixteen-pounder
sixteenth note
sixteenth rest
sixth chord
sixth column
sixth form
sixth nerve
sixth sense
sixth-floor
sixth-form
sixth-grade
sixth-rate
sixty per cent
sixty-eight
sixty-eighth
sixty-fifth
sixty-first
sixty-five
sixty-four
sixty-four-dollar question
sixty-fourmo
sixty-fourmos
sixty-fourth
sixty-fourth note
sixty-fourth rest
sixty-nine
sixty-ninth
sixty-one
sixty-second
sixty-seven
sixty-seventh
sixty-six
sixty-sixth
sixty-third
sixty-three
sixty-two
size bone
size roll
size stick
size up
size up your measure
sizer die
sizer tap
sizing tool
sizing up
sizzling heat
sizzling hot
skate on thin ice
skate over
skate sailing
skating rink
skean dhu
skee-ball
skeel duck
skeel goose
skeeling goose
skeen arch
skeet shooting
skeleto-
skeleton at the feast
skeleton clock
skeleton company
skeleton construction
skeleton dance
skeleton drill
skeleton girder
skeleton in the closet
skeleton in the cupboard
skeleton key
skeleton leaf
skeleton movement
skeleton pattern
skeleton proof
skeleton regiment
skeleton shrimp
skeleton suit
skelic index
skelpie-limmer
skene arch
skene dhu
sketch book
sketch map
sketch out
sketch plan
sketch plate
sketch-book
skew arch
skew chisel
skew distribution
skew field
skew polygon
skew putt
skew table
skew-back
skew-gee
skew-jawed
skew-symmetric
skewed judgment
skewer-up
ski boot
ski boots
ski bum
ski jacket
ski jump
ski landing gear
ski lift
ski pants
ski pole
ski run
ski stick
ski suit
ski sweater
ski tow
ski troops
ski wax
ski-jumping
ski-plane
skia-
skid box
skid chain
skid engine
skid fin
skid landing gear
skid platform
skid road
skid row
skid to a stop
skid-row bum
skidding hooks
skidding sled
skidding trail
skiffle band
skill facet
skill with language
skill with words
skill-less
skill-lessness
skilled hand
skilled in
skilled laborer
skilled workman
skillet chopper
skim coat
skim colter
skim gate
skim milk
skim off
skim over
skim the surface
skim through
skim-coulter
skim-milk
skimble-scamble
skimble-skamble
skimmed milk
skimmer cake
skimmer gate
skimmer scoop
skimming back
skimming dish
skimming gate
skimming-dish
skimmington ride
skimper-scamper
skin alive
skin and bones
skin beetle
skin boat
skin book
skin cancer
skin coat
skin color
skin coloring
skin disease
skin dive
skin diver
skin diving
skin effect
skin eruption
skin flick
skin food
skin friction
skin friction drag
skin game
skin graft
skin grafting
skin layer
skin man
skin mark
skin nose
skin out
skin planing
skin resistance
skin spot
skin test
skin tone
skin wool
skin-breaking
skin-built
skin-clad
skin-clipping
skin-deep
skin-devouring
skin-dive
skin-dived
skin-diver
skin-diving
skin-dove
skin-peeled
skin-piercing
skin-plastering
skin-pop
skin-popping
skin-shifter
skin-spread
skin-testing
skin-tight
skinned alive
skinning alive
skinning knife
skinning loam
skinny as a lath
skinny as a rail
skinny dip
skinny dipper
skinny-dip
skinny-dipped
skinny-dipper
skinny-dipping
skinny-dipt
skinny-necked
skip bail
skip bomb
skip bridge
skip car
skip distance
skip elevator
skip for joy
skip hoist
skip it
skip numbering
skip off
skip out
skip over
skip rope
skip straight
skip through
skip tracer
skip zone
skip-bomb
skip-bombing
skip-kennel
skipjack pike
skipjack tuna
skipping rope
skipping-roupe
skirmish drill
skirmish line
skirt cassock
skirt chaser
skirt dance
skirt dancer
skirt marker
skirt of tasses
skirt the shore
skirt-dancer
skirting board
skirting table
skirting-board
skittle alley
skittle ball
skittle out
skittle pool
skittle pot
skittle-shaped
skivvy shirt
skookum-house
skrim shander
skua gull
skulk away
skull and crossbones
skull cracker
skull practice
skull session
skull-built
skull-cap
skull-covered
skull-crowned
skull-dividing
skull-hunting
skull-less
skull-like
skull-lined
skullcap speedwell
skunk bear
skunk bird
skunk blackbird
skunk cabbage
skunk currant
skunk grape
skunk mushroom
skunk plant
skunk porpoise
skunk spruce
skunk turtle
skunk-drunk
skunk-headeed
skunkhead coot
sky advertising
sky an oar
sky atlas
sky blue
sky compass
sky cover
sky dive
sky diver
sky diving
sky drain
sky farmer
sky gazer
sky gray
sky hooker
sky iron
sky line
sky map
sky marker
sky parlor
sky pilot
sky pipit
sky screen
sky shade
sky sign
sky train
sky truck
sky wave
sky-aspiring
sky-blasted
sky-blue
sky-blue pink
sky-born
sky-bred
sky-capped
sky-cast
sky-clad
sky-clear
sky-cleaving
sky-climbing
sky-color
sky-colored
sky-dive
sky-diving
sky-dome
sky-dyed
sky-elephant
sky-engendered
sky-facer
sky-falling
sky-gazer
sky-god
sky-high
sky-kissing
sky-line
sky-line logging
sky-measuring
sky-planted
sky-reaching
sky-rending
sky-resembling
sky-rocket
sky-ruling
sky-sail
sky-scaling
sky-scraper
sky-sign
sky-throned
sky-tinctured
sky-touching
sky-worn
skye terrier
skyhook balloon
skysail mast
skysail pole
skysail yard
skysail-yarder
slab bridge
slab dashing
slab house
slab line
slab mill
slab pahoehoe
slab plastering
slab reef
slab tie
slab top
slab-sided
slab-sidedly
slab-sidedness
slabbing cutter
slabbing machine
slabbing mill
slack back
slack barrel
slack coal
slack cooperage
slack filling
slack jaw
slack off
slack purse strings
slack suit
slack up
slack water
slack-bake
slack-baked
slack-filled
slack-jawed
slack-laid
slack-off
slack-rope
slack-rope artist
slack-salted
slack-spined
slack-twisted
slack-up
slack-water
slag cement
slag concrete
slag down
slag furnace
slag heap
slag hearth
slag sand
slag wool
slag-hearth
slag-lead
slag-tap furnace
slagging furnace
slagging hole
slake trough
slake your thirst
slaked lime
slam bidding
slam into
slam the door in your face
slam-bang
slamming stile
slang dictionary
slang-whang
slang-whanger
slanging match
slant across
slant culture
slant dam
slant front
slant height
slant of wind
slant rhyme
slant-eye
slant-eyed
slant-top
slanting hand
slap a tax on
slap around
slap at
slap dashing
slap down
slap in the face
slap in the middle
slap of the glove
slap on
slap on paint
slap on the wrist
slap plastering
slap the face
slap the lid on
slap up
slap you in the face
slap your face
slap-bang
slap-bang shop
slap-dab
slap-dash
slap-sided
slap-slap
slap-up
slapstick comedian
slapstick comedy
slapstick humor
slapstick quality
slash across
slash bar
slash mark
slash pine
slash pocket
slash the throat
slash-grain
slash-saw
slash-sawed
slash-sawing
slash-sawn
slat bonnet
slat sign
slat-back
slate ax
slate bed
slate black
slate blue
slate cement
slate clay
slate galiot
slate gray
slate green
slate olive
slate pencil
slate picker
slate purple
slate roof
slate spar
slate splitter
slate writer
slate writing
slate-beveling
slate-brown
slate-color
slate-colored
slate-colour
slate-cutting
slate-formed
slate-pencil
slate-spired
slate-strewn
slate-trimming
slate-violet
slaughter pen
slaughter tree
slaughter-breathing
slaughter-dealing
slaughter-house
slaughter-threatening
slave ant
slave broker
slave clock
slave cylinder
slave dealer
slave dealing
slave driver
slave fork
slave hunt
slave hunter
slave hunting
slave labor
slave labor camp
slave maker
slave market
slave ship
slave song
slave state
slave trade
slave trader
slave trading
slave-carrying
slave-collecting
slave-cultured
slave-deserted
slave-drive
slave-driver
slave-enlarging
slave-got
slave-grown
slave-labor
slave-making
slave-making ant
slave-merchant
slave-owning
slave-peopled
slave-trade
slaver over
slavo-
slay en masse
sleave silk
sleave-silk
sled cultivator
sled dog
sled harvester
sled knife
sled lister cultivator
sled marker
sled part
sled-log
sledge chair
sledge dog
sledge hammer
sledge-hammer
sleek stone
sleek-browed
sleek-faced
sleek-haired
sleek-headed
sleek-leaf
sleek-looking
sleek-skinned
sleeeker-up
sleep around
sleep at your post
sleep drink
sleep in
sleep it off
sleep like a log
sleep like a top
sleep like the dead
sleep movement
sleep movements
sleep of the just
sleep off
sleep on
sleep on a volcano
sleep out
sleep soundly
sleep talker
sleep talking
sleep together
sleep treatment
sleep upon
sleep with
sleep with one eye open
sleep with the Lord
sleep with your ancestors
sleep with your fathers
sleep-at-noon
sleep-bedeafened
sleep-bringer
sleep-bringing
sleep-causing
sleep-compelling
sleep-created
sleep-desiring
sleep-dewed
sleep-dispelling
sleep-disturbing
sleep-drowned
sleep-drunk
sleep-enthralled
sleep-fatted
sleep-fearing
sleep-filled
sleep-heavy
sleep-in
sleep-inducer
sleep-inducing
sleep-inviting
sleep-loving
sleep-procuring
sleep-producer
sleep-producing
sleep-provoking
sleep-resisting
sleep-soothing
sleep-stuff
sleep-swollen
sleep-tempting
sleep-walker
sleeper goby
sleeper shark
sleeping around
sleeping bag
sleeping beauty
sleeping car
sleeping carriage
sleeping chair
sleeping disease
sleeping draught
sleeping fire
sleeping partner
sleeping pill
sleeping place
sleeping policeman
sleeping porch
sleeping rent
sleeping room
sleeping sickness
sleeping suit
sleeping table
sleeping together
sleeping with
sleepless eye
sleepy Dick
sleepy disease
sleepy sickness
sleepy-acting
sleepy-eyed
sleepy-eyes
sleepy-headed
sleepy-headedness
sleepy-looking
sleepy-souled
sleepy-sounding
sleepy-voiced
sleet wheel
sleeve axle
sleeve board
sleeve brick
sleeve button
sleeve dog
sleeve link
sleeve links
sleeve nut
sleeve target
sleeve valve
sleeve waistcoat
sleeve-defended
sleeve-hidden
sleigh bed
sleigh bell
sleigh bells
sleigh cutter
sleight of hand
sleight-of-hand
sleight-of-hand artist
sleight-of-hand performer
sleight-of-hand trick
slender as a thread
slender blind snake
slender blue flag
slender loris
slender means
slender-ankled
slender-armed
slender-beaked
slender-billed
slender-bladed
slender-bodied
slender-branched
slender-fingered
slender-finned
slender-flanked
slender-flowered
slender-footed
slender-hipped
slender-jawed
slender-jointed
slender-leaved
slender-legged
slender-limbed
slender-looking
slender-muzzled
slender-nosed
slender-podded
slender-shafted
slender-shouldered
slender-spiked
slender-stalked
slender-stemmed
slender-striped
slender-tailed
slender-toed
slender-trunked
slender-waisted
slender-witted
slenderness ratio
sleuth-hound
slew rope
slew-eyed
slibber-sauce
slice bar
slice galley
slice of life
slice the melon
slice the pie
slice up
slick as a whistle
slick chick
slick citizen
slick down
slick magazine
slick on
slick stone
slick up
slick-ear
slick-faced
slick-haired
slick-looking
slick-spoken
slick-talking
slick-tongued
slicked up
slicker hat
slide back
slide bar
slide block
slide box
slide bridge
slide caliper
slide down
slide fastener
slide film
slide into
slide knot
slide lathe
slide off
slide out of
slide over
slide pole
slide projector
slide rail
slide rest
slide rod
slide rule
slide shaft
slide stacker
slide tongs
slide tool
slide trombone
slide valve
slide viewer
slide-action
slide-easy
slide-groat
slide-rest
slide-rest lathe
slide-rock
slide-rule
slide-rule warfare
slide-valve
slide-valve engine
slide-wire
slide-wire bridge
slider crank
slider-crank chain
sliding board
sliding fit
sliding friction
sliding keel
sliding scale
sliding seat
sliding vector
sliding way
sliding-gear
sliding-scale
sliding-scale premium
slight knowledge
slight over
slight stretching
slight wrong
slight-billed
slight-bottomed
slight-built
slight-esteemed
slight-informed
slight-limbed
slight-looking
slight-made
slight-natured
slight-seeming
slight-shaded
slight-timbered
slim chance
slim down
slim pickings
slim-ankled
slim-built
slim-jim
slim-leaved
slim-limbed
slim-shanked
slim-spired
slim-trunked
slim-waisted
slime eel
slime flux
slime fungus
slime mold
slime mould
slime pit
slime table
slime thickening
slime-begotten
slime-browned
slime-coated
slime-filled
slime-secreting
slime-washed
slimy-backed
sling at
sling cart
sling chair
sling dog
sling hash
sling off
sling psychrometer
sling pump
sling rope
sling stay
sling strap
sling the lead
sling thermometer
sling trot
sling unloader
sling-
slinger ring
slink butcher
slink in
slink lamb
slink off
slip 'twixt cup and lip
slip a cog
slip away
slip back
slip by
slip carriage
slip cheese
slip cloth
slip clutch
slip coach
slip coupling
slip cover
slip curd
slip dock
slip down
slip friction
slip friction clutch
slip gauge
slip glaze
slip grab
slip hook
slip in
slip indicator
slip into
slip jaw
slip joint
slip key
slip kiln
slip knot
slip line
slip mortise
slip noose
slip of the pen
slip of the tongue
slip off
slip on
slip one over on
slip out
slip out of
slip over
slip panel
slip proof
slip rail
slip regulator
slip ring
slip road
slip rope
slip seat
slip shackle
slip share
slip sheet
slip sill
slip skid
slip something over on
slip spring
slip stem
slip stitch
slip stopper
slip stream
slip switch
slip tap
slip the
slip the cable
slip the collar
slip the memory
slip through
slip through your fingers
slip through your hands
slip tongue
slip up
slip ware
slip washer
slip wool
slip you a Mickey
slip you a Mickey Finn
slip your cable
slip your mind
slip-
slip-along
slip-knot
slip-on
slip-rail
slip-ring
slip-sheet
slip-shelled
slip-shoe
slip-skin
slip-slop
slip-stitch
slip-string
slip-tongue wheel
slip-top
slip-up
slip-way
slipcoat cheese
slipe wool
slipped disc
slipped disk
slipped tendon
slipped wing
slipper animalcule
slipper animalcules
slipper bath
slipper block
slipper boat
slipper brake
slipper chair
slipper drag
slipper foot
slipper limpet
slipper orchid
slipper piston
slipper plant
slipper satin
slipper shell
slipper sock
slipper-foxed
slipper-root
slipper-shaped
slippered ease
slippery as an eel
slippery dip
slippery elm
slippery-bellied
slippery-breeched
slippery-looking
slippery-shod
slippery-sleek
slippery-tongued
slipping away
slipping back
slipshod construction
slit band
slit deal
slit lamp
slit pocket
slit skirt
slit tapestry
slit trench
slit-drum
slit-eared
slit-eyed
slit-footed
slit-nosed
slit-shaped
slither off
slitting file
slitting machine
slitting saw
slitting shears
sliver box
slob ice
slob land
slobber over
slobber-chops
slocking stone
sloe gin
sloe plum
sloe thorn
sloe-black
sloe-blue
sloe-colored
sloe-eyed
slog away
slog on
sloop of war
sloop rig
sloop yacht
slot burner
slot conveyer
slot driller
slot file
slot machine
slot man
slot mortise
slot rail
slot washer
slot winding
slot-boring
slot-drill
slot-drilling
slot-drilling machine
slot-headed
slot-spine
slot animalcule
slot bear
slot monkey
slot tree
slotting auger
slotting drill
slotting end mill
slotting file
slotting machine
slouch around
slouch hat
slough bass
slough grass
slough ice
slough of despond
slough off
slough over
slowly performance
slow ahead
slow and careful steps
slow as death
slow as molasses
slow as slow
slow astern
slow burn
slow coach
slow down
slow goer
slow handclap
slow loris
slow march
slow market
slow match
slow motion
slow neutron
slow off the mark
slow person
slow pile
slow starter
slow time
slow to
slow to act
slow to commit yourself
slow to make your move
slow up
slow-back
slow-belly
slow-blooded
slow-breathed
slow-breathing
slow-breeding
slow-burning
slow-circling
slow-coach
slow-combustion
slow-conceited
slow-consuming age
slow-contact
slow-crawling
slow-creeping
slow-developed
slow-drawing
slow-drawn
slow-driving
slow-ebbing
slow-endeavoring
slow-extinguished
slow-eyed
slow-fingered
slow-foot
slow-footed
slow-gaited
slow-going
slow-growing
slow-legged
slow-march
slow-mettled
slow-motion
slow-moving
slow-paced
slow-poky
slow-run
slow-running
slow-sailing
slow-speaking
slow-speeched
slow-spirited
slow-spoken
slow-stepped
slow-sudden
slow-sure
slow-thinking
slow-time
slow-tongued
slow-tuned
slow-up
slow-winged
slow-witted
slow-wittedness
slow-worm
slowed down
slower than the seven-year itch
slowing down
slowness to act
slubber de gullion
slubber over
slubbing billy
slubbing machine
sludge acid
slue rope
slue-footed
slug caterpillar
slug horn
slug snail
slug worm
slug-a-bed
slug-abed
slug-horn
slug-worm
slugging average
slugging machine
slugging match
slugging percentage
sluice box
sluice gate
sluice out
sluice valve
slum clearance
slum-dwellers
slumber party
slumber-bound
slumber-bringing
slumber-closing
slumber-loving
slumber-seeking
slumber-wrapt
slump cone
slump down
slump test
slung shot
slur over
slurp up
slush casting
slush fund
slush lamp
slush-cast
slushing oil
slut's wool
sly dog
sly grog
sly look
sly suggestion
sly-boots
sly-eyed
sly-goose
sly-grog
sly-looking
sly-tongued
sma-boukit
smack boat
smack in the middle
smack into
smack of
smack the lips
smack your lips
smack-dab
smack-dab in the middle
smacking of
small ale
small amount
small arm
small arms
small beer
small boat
small bond
small bower
small time
small tradesmen
small voice
small woodbine
small years
small-acred
small-ankled
small-arm
small-armed
small-arms
small-beer
small-billed
small-boat
small-bodied
small-boned
small-bore
small-boyhood
small-boyish
small-brained
small-caliber
small-celled
small-claims court
small-clawed
small-clothes
small-college
small-colleger
small-cornered
small-craft warning
small-crowned
small-debts court
small-diameter
small-drink
small-eared
small-eyed
small-faced
small-feed
small-finned
small-flowered
small-footed
small-framed
small-fruited
small-fry
small-grain
small-grained
small-habited
small-handed
small-headed
small-hipped
small-horned
small-jointed
small-leaved
small-letter
small-lettered
small-limbed
small-looking
small-lunged
small-minded
small-mindedly
small-mindedness
small-nailed
small-natured
small-paneled
small-paper
small-part
small-pattern
small-petaled
small-pored
small-preferred
small-reasoned
small-scale
small-scaled
small-shelled
small-size
small-sized
small-souled
small-spaced
small-spotted
small-sword
small-tailed
small-talk
small-threaded
small-timered
small-time
small-timer
small-tired
small-toned
small-tooth
small-toothed
small-topped
small-town
small-towner
small-trunked
small-type
small-visaged
small-visioned
small-ware
small-wheeled
small-windowed
smallmouth bass
smallpox plant
smallpox-proof
smalt green
smalt-blue
smart aleck
smart as a whip
smart ass
smart crack
smart money
smart operator
smart pace
smart saying
smart set
smart-aleck
smart-aleckiness
smart-alecky
smart-ass
smart-built
smart-cocked
smart-dressing
smart-looking
smart-money
smart-spoken
smart-stinging
smart-talking
smart-tongued
smart-witted
smarten up
smarty-pants
smash all opposition
smash hit
smash in
smash into
smash piecer
smash the atom
smash up
smash-and-grab
smash-up
smashboard signal
smasher hammer
smasher hat
smashing defeat
smashing machine
smattering of ignorance
smattering of knowledge
smear campaign
smear culture
smear dab
smear dock
smear on
smear test
smear ware
smear word
smear-dab
smear-sheet
smegma bacillus
smell a rat
smell around
smell bad
smell good
smell in the wind
smell of
smell of decay
smell of the lamp
smell out
smell sweet
smell to heaven
smell to high heaven
smell up
smell-feast
smell-less
smell-lessness
smell-smock
smeller-out
smelling bottle
smelling salts
smelling-stick
smelt-
smick-smack
smick-smock
smiddy-leaves
smilax family
smile at
smile brightly
smile of recognition
smile upon
smile-covering
smile-frowning
smile-tuned
smile-wreathed
smileage book
smiled-out
smiles of fortune
smiling reception
smiling sleep
smiling wakerobin
smite hip and thigh
smithing coal
smithy coal
smiting line
smiten with
smiten with death
smock frock
smock marriage
smock mill
smock windmill
smock-faced
smock-frock
smock-frocked
smoke agent
smoke arch
smoke ball
smoke blue
smoke bomb
smoke cat
smoke chamber
smoke curtain
smoke dome
smoke explosion
smoke gray
smoke grenade
smoke helmet
smoke hole
smoke jumper
smoke kiln
smoke like a chimney
smoke like a furnace
smoke out
smoke passage
smoke pipe
smoke plant
smoke pot
smoke proof
smoke quartz
smoke rocket
smoke room
smoke sail
smoke screen
smoke shelf
smoke shop
smoke stop
smoke talk
smoke the pipe of peace
smoke tree
smoke washer
smoke-ball
smoke-begotten
smoke-black
smoke-bleared
smoke-blinded
smoke-blue
smoke-bound
smoke-brown
smoke-burning
smoke-colored
smoke-condensing
smoke-consuming
smoke-consummptive
smoke-cure
smoke-curing
smoke-dried
smoke-dry
smoke-drying
smoke-dyed
smoke-eater
smoke-eating
smoke-enrolled
smoke-exhaling
smoke-filled
smoke-filled room
smoke-gray
smoke-grimed
smoke-hole
smoke-jack
smoke-laden
smoke-oh
smoke-paint
smoke-pennoned
smoke-preventing
smoke-preventive
smoke-selling
smoke-smothered
smoke-sodden
smoke-stack
smoke-stained
smoke-torn
smoke-vomiting
smoke-wreathed
smoke-yellow
smoked glass
smoked glasses
smoked herring
smoked rubber
smokeless powder
smokeless powder rocket
smokeless zone
smoking bean
smoking car
smoking compartment
smoking concert
smoking duck
smoking habit
smoking hot
smoking jacket
smoking lamp
smoking opium
smoking room
smoking stand
smoking tobacco
smoking-concert
smoking-room
smoky quartz
smoky topaz
smoky-bearded
smoky-blue
smoky-colored
smoky-flavored
smoky-looking
smoky-smelling
smoky-tinted
smoky-waving
smoldering fire
smoot hole
smooth as a baby's ass
smooth as a billiard ball
smooth as glass
smooth bore
smooth breathing
smooth citizen
smooth coat
smooth down
smooth flounder
smooth hound
smooth it over
smooth muscle
smooth out
smooth over
smooth plane
smooth road
smooth sailing
smooth snake
smooth sumac
smooth surface
smooth talker
smooth temper
smooth the path
smooth the road
smooth the ruffled brow of care
smooth the way
smooth the way for
smooth wine
smooth winterberry
smooth your feathers
smooth your ruffled
smooth-ankled
smooth-barked
smooth-bedded
smooth-bellied
smooth-billed
smooth-bodied
smooth-browed
smooth-cast
smooth-cheeked
smooth-chinned
smooth-clouded
smooth-coated
smooth-coil
smooth-combed
smooth-core
smooth-crested
smooth-cut
smooth-dittied
smooth-edged
smooth-face
smooth-faced
smooth-famed
smooth-fibered
smooth-finned
smooth-flowing
smooth-foreheaded
smooth-fronted
smooth-fruitied
smooth-gliding
smooth-going
smooth-grained
smooth-haired
smooth-handed
smooth-headed
smooth-hewn
smooth-leaved
smooth-legged
smooth-limbed
smooth-looking
smooth-necked
smooth-nosed
smooth-paced
smooth-plastered
smooth-podded
smooth-polished
smooth-riding
smooth-rimmed
smooth-rinded
smooth-rubbed
smooth-running
smooth-sculptured
smooth-shaven
smooth-sided
smooth-skinned
smooth-sliding
smooth-soothing
smooth-sounding
smooth-speaking
smooth-spoken
smooth-stalked
smooth-stemmed
smooth-surfaced
smooth-tailed
smooth-taper
smooth-taper drift
smooth-tempered
smooth-textured
smooth-tined
smooth-tired
smooth-tongued
smooth-voiced
smooth-walled
smooth-winding
smooth-winged
smooth-working
smooth-woven
smooth-writing
smooth-wrought
smoothback flounder
smoothbore gun
smoothbore weapon
smoothed out
smoother-over
smoothhound shark
smoothing box
smoothing iron
smoothing mill
smoothing of the way
smoothing plane
smother crop
smother fire
smother fly
smother-kiln
smothered mate
smudge fire
smudge pot
smug-faced
smug-looking
smug-skinned
smuggle in
smuggled goods
smut ball
smut fungus
smut gall
smut grass
smut mill
smut-free
smutty-faced
smutty-nosed
smutty-yellow
snack bar
snack stool
snack table
snaffle bit
snaffle-bridled
snaffle-mouthed
snaffle-reined
snag boat
snag tooth
snag tree
snaggle-toothed
snail bore
snail borer
snail cloud
snail clover
snail countersink
snail fever
snail horn
snail medic
snail plant
snail shell
snail trefoil
snail wheel
snail's pace
snail-horned
snail-like
snail-likeness
snail-paced
snail-seed
snail-shell
snail-slow
snake bearer
snake bite
snake blenny
snake boat
snake buzzard
snake cactus
snake cane
snake charmer
snake crane
snake cucumber
snake dance
snake doctor
snake eel
snake eggplant
snake eyes
snake feeder
snake fence
snake fern
snake fly
snake foot
snake gentian
snake gourd
snake guide
snake hole
snake idol
snake in the grass
snake juice
snake killer
snake leaf
snake lily
snake line
snake mackerel
snake medicine
snake melon
snake moss
snake nut
snake oil
snake palm
snake pit
snake star
snake violet
snake wire
snake worship
snake worshiper
snake's head
snake's head
snake-bitten
snake-bodied
snake-devouring
snake-drawn
snake-eater
snake-eating
snake-encircled
snake-engirdled
snake-eyed
snake-goddess
snake-grass
snake-haired
snake-headed
snake-hipped
snake-killing
snake-like
snake-milk
snake-necked
snake-plantain
snake-set
snake-shaped
snake-skin
snake-tressed
snake-wanded
snake-weed
snake-wigged
snake-winged
snake-wood
snakebite remedy
snakehead mullet
snakemouth pogonia
snakes and ladders
snakes in the boots
snaky-eyed
snaky-haired
snaky-handed
snaky-headed
snaky-paced
snaky-sparkling
snaky-tailed
snaky-wreathed
snap at
snap back
snap bean
snap beetle
snap brim
snap bug
snap cap
snap catch
snap clutch
snap decision
snap fastener
snap flask
snap gauge
snap header
snap hook
snap judgment
snap link
snap lock
snap machine
snap molder
snap molding
snap out
snap out of it
snap point
snap ring
snap roll
snap shooter
snap shooting
snap shot
snap switch
snap table
snap the thread
snap the whip
snap to it
snap tool
snap turtle
snap up
snap vote
snap willow
snap your fingers
snap your fingers at
snap your head off
snap your nose off
snap-
snap-apple
snap-brim
snap-brim hat
snap-brimmed
snap-finger
snap-hook
snap-on
snap-rivet
snap-roll
snap-shot
snap-top
snap-top table
snaphead rivet
snapper up
snapper-back
snapper-up
snapping beetle
snapping point
snapping tool
snapping turtle
snappy comeback
snappy pace
snare drum
snare strainer
snarl defiance
snarl up
snarl-up
snarled up
snarling iron
snatch at
snatch block
snatch from
snatch from the jaws of death
snatch hitch
snatch team
snatch-
snaw-broo
sneak attack
sneak boat
sneak box
sneak current
sneak in
sneak off
sneak out
sneak out of
sneak preview
sneak shooting
sneak thief
sneak thievery
sneak through
sneak-
sneak-cup
sneak-up
sneaking suspicion
sneaky pete
sneck band
sneck drawer
sneck harling
sneck hook
sneck posset
sneck-drawer
sneer at
sneezing box
sneezing mill
sneezing mull
sneeze at
sneeze gas
sneeze weed
sneezewort tansy
sneezewort yarrow
sneezing gas
snick and snee
snick drawer
snick-a-snee
snick-and-snee
snick-and-snee knife
snick-snarl
snicker at
sniff at
sniff out
sniffle valve
sniffles, the
snifter valve
snifting valve
snigger at
snip-snap
snip-snap-snorum
snip-snappy
snipe at
snipe eel
snipe fly
snipe hawk
snipe hunt
snipe-bill
snipe-nosed
sniper-scope
snipnose mullet
snipper-snapper
snitch on
sno-cat
snob appeal
snooker pool
snore hole
snore piece
snorkel diver
snorkel diving
snorkel pen
snort at
snot-rag
snotnose kid
snotty-nosed
snout beetle
snout butterfly
snout machine
snout mite
snout moth
snow apple
snow banner
snow bear
snow bed
snow blanket
snow blast
snow blindness
snow board
snow boot
snow bunting
snow buttercup
snow chains
snow chukor
snow cock
snow cover
snow crust
snow cup
snow devil
snow dust
snow eater
snow eyes
snow fence
snow field
snow finch
snow flea
snow flurry
snow fly
snow gem
snow glare
snow glory
snow gnat
snow goggles
snow goose
snow grains
snow grass
snow ground
snow grouse
snow guard
snow gum
snow hut
snow ice
snow in
snow insect
snow job
snow knife
snow leopard
snow light
snow lily
snow limit
snow line
snow mold
snow mosquito
snow mouse
snow one under
snow owl
snow panther
snow partridge
snow pea
snow peak
snow pear
snow pellets
snow pheasant
snow pigeon
snow plant
snow plume
snow poppy
snow pudding
snow quail
snow rack
snow roller
snow rose
snow rosette
snow scale
snow sheen
snow sleep
snow slope
snow slush
snow smoke
snow snake
snow squall
snow stake
snow stream
snow tire
snow track
snow train
snow tree
snow trillium
snow tyre
snow under
snow vine
snow vole
snow water
snow white
snow wreath
snow-barricaded
snow-bearded
snow-beaten
snow-beater
snow-besprinkled
snow-blanketed
snow-blind
snow-blinded
snow-blown
snow-bright
snow-brilliant
snow-broth
snow-capped
snow-casting
snow-choked
snow-clad
snow-clearing
snow-climbing
snow-cold
snow-colored
snow-covered
snow-crested
snow-crowned
snow-crystal
snow-deep
snow-drifted
snow-driven
snow-dropping
snow-drowned
snow-encircled
snow-fair
snow-feathered
snow-fed
snow-haired
snow-hung
snow-in-summer
snow-laden
snow-limbed
snow-line
snow-lined
snow-loaded
snow-man
snow-mantled
snow-melting
snow-molded
snow-nodding
snow-on-the-mountain
snow-plough
snow-pure
snow-resented
snow-rigged
snow-robed
snow-rubbing
snow-scarred
snow-slip
snow-soft
snow-sprinkled
snow-still
snow-swathe
snow-sweeping
snow-thrower
snow-tipped
snow-topped
snow-white
snow-whitened
snow-whiteness
snow-winged
snow-wrought
snowball bush
snowball tree
snowclad peak
snowdrop anemone
snowdrop tree
snowdrop windflower
snowed-in
snowflower tree
snows of yesteryear
snowshoe hare
snowshoe rabbit
snowy egret
snowy owl
snowy-banded
snowy-bosomed
snowy-capped
snowy-countenanced
snowy-fleeced
snowy-flowered
snowy-headed
snowy-vested
snowy-winged
snub line
snub post
snub-nosed
snubbing post
snuff bottle
snuff brown
snuff brush
snuff color
snuff dipper
snuff dipping
snuff in
snuff it
snuff maker
snuff mill
snuff mull
snuff out
snuff paper
snuff shop
snuff stick
snuff swab
snuff up
snuff-box
snuff-clad
snuff-colored
snuff-headed
snuff-stained
snuff-taking
snuff-using
snuffbox bean
snuffbox fern
snuffing out
snug as a bug in a rug
snug down
snug harbor
snug together
snug up
snuggle up to
so as
so as to
so be it
so big
so bold
so cold you could spit ice cubes
so far
so far as
so far as you can
so far so good
so forget yourself
so help me
so is it
so it is
so long
so long as
so long as it's red
so many
so mote it be
so much
so much as
so much for that
so shall it be
so so
so that
so to say
so to speak
so very much
so what
so what else is new
so-and-so
so-and-sos
so-called
so-caused
so-conditioned
so-considered
so-designated
so-fa syllables
so-formed
so-forth
so-ho
so-instructed
so-like
so-named
so-regarded
soapbox derby
soapbox orator
soapwort gentian
soar falcon
soar hawk
soaring costs
soaring heights
soaring plane
soaring prices
sob sister
sob story
sob stuff
sobe it
sober as a judge
sober down
sober fact
sober off
sober reality
sober senses
sober up
sober-blooded
sober-clad
sober-disposed
sober-eyed
sober-headed
sober-headedness
sober-minded
sober-mindedly
sober-mindedness
sober-sad
sober-spirited
sober-suited
sober-tinted
soccer ball
soccer field
sociable coach
sociable person
social Darwinism
social Darwinist
social accounting
social activity
social affair
social anthropologist
social anthropology
social assistance
social barrier
social bee
social call
social circle
social class
social climber
social climbing
social code
social compact
social conduct
social conscience
social consciousness
social contract
social control
social convention
social critic
social dancer
social dancing
social democracy
social democrat
social differentiation
social director
social discrimination
social disease
social disorganization
social distance
social drinker
social drinking
social environment
social ethics
social evolution
social full-dress uniform
social gathering
social gospel
social grace
social graces
social grouping
social heritage
social incompatibility
social insurance
social interaction
social intercourse
social isolation
social lion
social lubricant
social maladjustment
social organization
social outcast
social parasite
social pathology
social pressure
social procedures
social process
social psychiatry
social psychology
social realism
social realist
social register
social relations
social round
social science
social scientist
social season
social secretary
social security
social service
social services
social set
social settlement
social studies
social usage
social wasp
social welfare
social whirl
social work
social worker
social-climbing
social-minded
social-mindedly
social-mindedness
social-service
socialist economy
socialistic economy
socialized medicine
socially incompatible
socially prominent
society evil
society goods
society queen
society screw
society verse
socio-
socio-economic
socio-official
sociological adjustive reactions
sociological novel
socius criminis
sock away
sock in
sock lamb
sock lining
sock suspender
sock suspenders
socket basket
socket chisel
socket eye
socket pole
socket punch
socket screw
socket spanner
socket washer
socket wrench
sockeye salmon
sod cloth
sod culture
sod grass
sod house
sod mulch
sod off
sod oil
sod plow
sod webworm
sod-bound
sod-build
sod-cutting
sod-forming
sod-roofed
soda alum
soda ash
soda ball
soda biscuit
soda bread
soda cracker
soda crystals
soda feldspar
soda fountain
soda jerk
soda lake
soda lime
soda lye
soda mesolite
soda mica
soda niter
soda nitre
soda plant
soda pop
soda pulp
soda saleratus
soda siphon
soda soap
soda waste
soda water
soda-granite
soda-lime
soda-lime feldspar
soda-potash
soda-potash feldspar
sodalite-syenite
sodden-faced
sodden-headed
sodden-minded
sodden-witted
sodio-
sodium acetate
sodium acid carbonate
sodium alum
sodium aluminate
sodium amide
sodium ammonium phosphate
sodium arsenate
sodium arsenite
sodium arsphenamine
sodium barbital
sodium benzoate
sodium bborate
sodium bicarbonate
sodium bichromate
sodium bisulphate
sodium bisulphite
sodium borate
sodium bromide
sodium carbonate
sodium carbonite
sodium chlorate
sodium chloride
sodium citrate
sodium cyanide
sodium cyclamate
sodium cyclohexylsulfamate
sodium dicarbonate
sodium dichromate
sodium dioxide
sodium dithionate
sodium dithionite
sodium ethoxide
sodium ethylate
sodium fluoride
sodium fluoroacetate
sodium glutamate
sodium hydrate
sodium hydrosulfite
sodium hydrosulphide
sodium hydrosulphite
sodium hydroxide
sodium hypochlorite
sodium hyposulfite
sodium hyposulphite
sodium iodide
sodium lamp
sodium light
sodium meta-arsenite
sodium methoxide
sodium methylate
sodium monoxide
sodium nitrate
sodium nitrite
sodium nitroprusside
sodium oxide
sodium pentothal
sodium perborate
sodium peroxide
sodium phosphate
sodium polysulfide
sodium propionate
sodium pump
sodium pyroborate
sodium salicylate
sodium silicate
sodium stearate
sodium suing agent
sodium sulfate
sodium sulfide
sodium sulfite
sodium sulphate
sodium sulphide
sodium sulphite
sodium sulphhydrate
sodium tetrabor
sodium tetraborate
sodium thiocyanate
sodium thiopental
sodium thiosulfate
sodium thiosulphate
sodium tungstate
sodium-vapor
sodium-vapor lamp
sodium-vapour lamp
sofa bed
sofa bedstead
sofa corner
sofa cover
sofa cushion
sofa maker
sofa pillow
sofa seat
sofa table
sofa-bed
sofa-ridden
soffit brick
soft armor
soft as a kiss
soft as a sigh
soft as clay
soft as dough
soft as putty
soft as silk
soft binding
soft chancre
soft clam
soft coal
soft color
soft currency
soft diet
soft drink
soft focus
soft furnishings
soft goods
soft ground
soft hail
soft hat
soft ice cream
soft in the head
soft landing
soft market
soft nose stem
soft on
soft palate
soft paste
soft patch
soft pedal
soft phototube
soft phrases
soft place in your heart
soft ray
soft roe
soft roll
soft rot
soft scale
soft sell
soft shoulder
soft sign
soft sleep
soft soap
soft solder
soft spot
soft spot in your heart
soft tick
soft tongue
soft touch
soft tube
soft voice
soft water
soft wheat
soft wood
soft words
soft-armed
soft-backed
soft-bedded
soft-bellied
soft-bellied
soft-bill
soft-billed
soft-blowing
soft-board
soft-bodied
soft-boil
soft-boiled
soft-bone
soft-bosomed
soft-bound book
soft-breathed
soft-bright
soft-brushing
soft-centred
soft-circling
soft-coal
soft-coated
soft-colored
soft-conched
soft-conscienced
soft-core pornography
soft-cored
soft-couched
soft-cover
soft-dressed
soft-ebbing
soft-embodied
soft-extended
soft-eyed
soft-feathered
soft-feeling
soft-fingered
soft-finished
soft-finned
soft-flecked
soft-fleshed
soft-flowing
soft-focus
soft-foliaged
soft-footed
soft-footedly
soft-glazed
soft-going
soft-ground
soft-ground etching
soft-haired
soft-handed
soft-head
soft-headed
soft-headedness
soft-hearted
soft-heartedly
soft-heartedness
soft-hued
soft-laid
soft-leaved
soft-lucent
soft-mannered
soft-mettled
soft-minded
soft-murmuring
soft-natured
soft-nosed
soft-paced
soft-pale
soft-palmed
soft-paste
soft-paste porcelain
soft-pated
soft-pedal
soft-pedaled
soft-pedaling
soft-pedalled
soft-pedalling
soft-rayed
soft-roasted
soft-rock geology
soft-sawder
soft-sawderer
soft-sealed
soft-shell
soft-shell clam
soft-shell crab
soft-shelled
soft-shelled turtle
soft-shining
soft-shoe
soft-shoe dancing
soft-shouldered
soft-sighing
soft-silken
soft-skinned
soft-sleeping
soft-sliding
soft-slow
soft-smiling
soft-soap
soft-soaper
soft-soaping
soft-solder
soft-soothing
soft-sounding
soft-speaking
soft-spirited
soft-spleened
soft-spoken
soft-spread
soft-spun
soft-steel
soft-swelling
soft-tailed
soft-tanned
soft-tempered
soft-throbbing
soft-timbered
soft-tinted
soft-toned
soft-tongued
soft-treading
soft-voiced
soft-wafted
soft-warbling
soft-water
soft-whispering
soft-winged
soft-witted
soft-wooded
soft-yielding
softblowing wind
soften the blow
soften up
softening of the brain
softening point
softening-up
softer sex
softwood tree
soi-disant
soil bank
soil binder
soil cap
soil cement
soil chemistry
soil conditioner
soil conservation
soil mechanics
soil miller
soil mulch
soil pipe
soil profile
soil rot
soil science
soil scientist
soil sickness
soil stack
soil stain
soil survey
soil-bank
soil-bound
soil-freesoilage
soiling crop
soixante-neuf
soixante-quinze
solar therapy
solar tide
solar time
solar ultraviolet detector
solar wind
solar year
solar- 
sold on
solder nipple
soldering bolt
soldering copper
soldering gun
soldering iron
soldering nipple
soldering paste
soldering torch
soldering union
soldering wig
soldier ant
soldier beetle
soldier bug
soldier course
soldier crab
soldier fly
soldier of fortune
soldier on
soldier orchid
soldier orchis
soldier palmer
soldier sprag
soldier suit
soldier turtle
soldier's heart
soldier's medal
soldier-crab
soldier-fashion
soldier-mad
soldierly quality
soldierly virtues
soldiers' home
sole blocker
sole corporation
sole cutter
sole sewer
sole sorter
sole stamper
sole tile
sole trader
sole tree
sole-beating
sole-begotten
sole-beloved
sole-bound
sole-channeling
sole-commissioned
sole-cutting
sole-deep
sole-finishing
sole-happy
sole-justifying
sole-leather
sole-leather kelp
sole-living
sole-lying
sole-ruling
sole-saving
sole-seated
sole-shaped
sole-stitching
sole-sufficient
sole-thoughted
sole-walking
solemn affirmation
solemn declaration
solemn form
solemn mass
solemn mockery
solemn oath
solemn observance
solemn secret
solemn silence
solemn vow
solemn word
solemn-breathing
solemn-browed
solemn-cadenced
solemn-eyed
solemn-garbed
solemn-looking
solemn-mannered
solemn-measured
solemn-proud
solemn-seeming
solemn-shaded
solemn-sounding
solemn-thoughted
solemn-toned
solemn-visaged
solemnly mark
solenoid brake
solent goose
solera sherry
sollerino red
soli-deo
solicit advice
solicit attention
solicit votes
solicitor general
solicitors general
solid angle
solid as a rock
solid body
solid bottom
solid comfort
solid fuel
solid geometry
solid ground
solid injection
solid of revolution
solid propellant
solid rock
solid solution
solid-billed
solid-bronze
solid-browed
solid-color
solid-colored
solid-drawn
solid-fronted
solid-fuel rocket
solid-full
solid-gold
solid-headed
solid-hoofed
solid-horned
solid-injection
solid-ink
solid-ivory
solid-looking
solid-ported
solid-seeming
solid-set
solid-silver
solid-state
solid-state device
solid-state physics
solid-tired
solidus curve
solitary bee
solitary confinement
solitary person
solitary sandpiper
solitary vireo
solitary wasp
solo dancer
solo dancing
solo flight
solo grand
solo organ
solo part
solo stop
solo whist
solomon's seal
solomon-gundy
solstitial colure
solubility product
soluble RNA
soluble glass
solution plane
solution pressure
solution set
solution tension
solution-proof
solvate theory
solvay process
solvent naphtha
soma plant
somat-
somatic cell
somatic death
somatization reaction
somato-
somber-clad
somber-colored
somber-looking
somber-minded
somber-seeming
somber-toned
some fine day
some fine morning
some five or six
some hope
some of these days
some one
some such way
some sweet day
some time ago
some time back
some time since
some way
somehow or another
somehow or other
somewhere or other
something awful
something between
something between the lines
something comfortable
something else
something else again
something extra
something fierce
something for good measure
something for something
something in hand
something in reserve
something in return
something like
something missing
something of value
something or other
something out of your system
something special
something terrible
something to be desired
something to brag about
something to chew on
something to fall back on
something to get your teeth into
something to shout about
something to spare
something to write home about
sometime or other
sometimes and sometimes not
somewhere about
somewhere else
somewhere near
somn-
somnambul-
somnambulistic hypnosis
somni-
son and heir
son et lumiere
son of Adam
son of God
son of a bitch
son of a gun
son of the sable night
son of the soil
son-in-law
son-in-lawship
sonata allegro
sonata form
sonata-allegro
sonder yacht
song and dance
song and dance man
song box
song cycle
song form
song hit
song leader
song maker
song making
song of the Sirens
song sparrow
song thrush
song writer
song writing
song-and-dance
song-and-dance act
song-bird
song-book
song-fraught
song-play
song-school
song-singing
song-smith
song-timed
song-tuned
song-worthy
sonic barrier
sonic boom
sonic depth finder
sonic depth sounder
sonic mine
sonic speed
sonic wall
sonnet sequence
sonny boy
sonority syllable
sons of Belial
sons of Martha
sons of guns
sons of men
sons of the devil
sons-in-law
soogee-moogee
soola clover
soon enough
soon-believing
soon-choked
soon-clad
soon-consoled
soon-contented
soon-descending
soon-done
soon-drying
soon-ended
soon-fading
soon-known
soon-mended
soon-monied
soon-parted
soon-quenched
soon-repeated
soon-repenting
soon-rotting
soon-said
soon-sated
soon-speeding
soon-tired
soon-wearied
sooner or later
sooner than
soot black
soot bodies
soot brown
soot dew
soot-bespeckled
soot-black
soot-bleared
soot-colored
soot-dark
soot-fall
soot-grimed
soot-smutched
soot-sowing
soothing syrup
soothing words
sooty black
sooty blotch
sooty mold
sooty mould
sooty tern
sooty-faced
sooty-mouthed
sooty-planed
sop to Cerberus
sop up
sophistic syllogism
sophistical reasoning
sopping wet
soprano clef
soprano part
sops-in-wine
sora rail
sorb apple
sorb tree
sorb-apple
sorbic acid
sorbo rubber
sore beset
sore disappointment
sore head
sore mouth
sore point
sore pressed
sore shin
sore spot
sore throat
sore-backed
sore-beset
sore-dreaded
sore-eyed
sore-footed
sore-head
sore-pressed
sore-pressedsore-taxed
sore-taxed
sore-toed
sore-tried
sore-vexed
sore-weared
sore-won
sore-worn
soredi-
sorely disappointed
sorely pressed
sorghum brown
sorghum midge
sorghum smut
sorority girl
sorority house
sorority woman
sorrel dock
sorrel family
sorrel salt
sorrel tree
sorrel vine
sorrow for
sorrow over
sorrow with
sorrow-beaten
sorrow-blinded
sorrow-bound
sorrow-breathing
sorrow-breeding
sorrow-bringing
sorrow-burdened
sorrow-ceasing
sorrow-closed
sorrow-clouded
sorrow-daunted
sorrow-furrowed
sorrow-healing
sorrow-laden
sorrow-melted
sorrow-parted
sorrow-ripening
sorrow-seasoned
sorrow-seeing
sorrow-sharing
sorrow-shot
sorrow-shrunken
sorrow-sick
sorrow-sighing
sorrow-sobbing
sorrow-streaming
sorrow-stricken
sorrow-struck
sorrow-tired
sorrow-torn
sorrow-wasted
sorrow-worn
sorrow-wounded
sorrow-wreathen
sorrowful tree
sorry for yourself
sorry lot
sorry plight
sorry-flowered
sorry-looking
sort of
sort out
sort with
sorter-out
sortes Biblicae
sortes Homericae
sortes Praenestinae
sortes Vergilianae
sorting boom
sorting jack
sorting out
sorting tracks
sorting yard
sostenuto pedal
sostinente pianoforte
sot on
sot-weed
sothic cycle
sotto voce
sou markee
sou marqu
sou'-west
sou-sou
sou-southerly
souari nut
souari-nut
souari-nut family
soubise sauce
soufriere bird
sought-after
soul bell
soul blindness
soul body
soul cake
soul curer
soul deafness
soul food
soul house
soul in glory
soul kiss
soul mate
soul mates
soul of kindness
soul of the dead
soul scat
soul scot
soul shot
soul silver
soul sleep
soul sleeper
soul-adorning
soul-amazing
soul-benumbed
soul-blind
soul-blinded
soul-blindness
soul-boiling
soul-born
soul-burdened
soul-charming
soul-choking
soul-cloying
soul-conceived
soul-confirming
soul-confounding
soul-converting
soul-corrupting
soul-damning
soul-deep
soul-delighting
soul-destroying
soul-devouring
soul-diseased
soul-dissolving
soul-driver
soul-enchanting
soul-ennobling
soul-enthralling
soul-fatting
soul-fearing
soul-felt
soul-forsaken
soul-fostered
soul-frighting
soul-galled
soul-gnawing
soul-harrowing
soul-humbling
soul-illumined
soul-imitating
soul-infused
soul-killing
soul-kiss
soul-loving
soul-mass
soul-moving
soul-murdering
soul-numbing
soul-pained
soul-piercing
soul-pleasing
soul-racking
soul-raising
soul-ravishing
soul-rending
soul-reviving
soul-sapping
soul-satisfying
soul-saving
soul-scot
soul-searching
soul-shaking
soul-shot
soul-sick
soul-sickening
soul-sickness
soul-sinking
soul-slaying
soul-stirring
soul-subduing
soul-sunk
soul-sure
soul-sweet
soul-tainting
soul-thralling
soul-tiring
soul-tormenting
soul-vexed
soul-wise
soul-wounded
soul-wounding
souls in hell
sound a fanfare
sound a knell
sound a retreat
sound a sour note
sound a tattoo
sound an alarm
sound and fury
sound area
sound as a dollar
sound asleep
sound barrier
sound block
sound boarding
sound bone
sound booth
sound bow
sound box
sound cage
sound camera
sound carrier
sound change
sound channel
sound chest
sound compensation
sound control
sound critical judgment
sound director
sound economy
sound effect
sound effects
sound evidence
sound field
sound figures
sound film
sound frequency
sound gate
sound harshly
sound head
sound hole
sound in the ear
sound in tune
sound in wind and limb
sound intensity
sound intensity level
sound judgment
sound knot
sound law
sound lens
sound like
sound limiter
sound line
sound man
sound mind
sound mixer
sound money
sound monitor
sound motion picture
sound of mind and body
sound of trumpets
sound off
sound out
sound pendulum
sound perimeter
sound picture
sound post
sound pressure
sound projector
sound proof
sound propagation
sound ranging
sound reasoning
sound recorder
sound recording
sound reproduction system
sound screen
sound sense
sound shadow
sound shift
sound shifting
sound shrill
sound similar
sound sleep
sound slidefilm
sound spectrogram
sound spectrograph
sound stage
sound taps
sound the alarm
sound the death knell of
sound the horn
sound the keynote
sound the note of preparation
sound the praises of
sound the tocsin
sound the trumpet
sound together
sound track
sound truck
sound true
sound understanding
sound units
sound wave
sound wormy
sound-absorbing
sound-absorbing material
sound-board
sound-conducting
sound-effects man
sound-exulting
sound-group
sound-hole
sound-judging
sound-level data
sound-making
sound-minded
sound-mindedness
sound-on-film
sound-post
sound-powered telephone
sound-producing
sound-ranging altimeter
sound-sensed
sound-set
sound-sleeping
sound-stated
sound-stilling
sound-sweet
sound-thinking
sound-winded
sound-witted
sounding balloon
sounding block
sounding board
sounding bottle
sounding harsh
sounding lead
sounding line
sounding machine
sounding out
sounding post
sounding rocket
sounding rod
sounding stop
sounding tube
sounding-board
sounding-lead
sounding-line
soundness of doctrine
soundness of judgment
soundness of mind
soundproofing insulation
soup bowl
soup cup
soup house
soup kitchen
soup maigre
soup plate
soup shop
soup stock
soup up
soup's on
soup-and-fish
soup-fin shark
soup-strainer
souple silk
sour as vinegar
sour ball
sour balls
sour cherry
sour cream
sour gourd
sour grapes
sour gum
sour mash
sour milk
sour note
sour orange
sour pickle
sour salt
sour thing
sour-blooded
sour-breathed
sour-complexioned
sour-dough
sour-eyed
sour-faced
sour-featured
sour-headed
sour-looked
sour-looking
sour-natured
sour-sap
sour-sap disease
sour-smelling
sour-sop
sour-sweet
sour-tasted
sour-tasting
sour-tempered
sour-tongued
sour-visaged
source book
source material
source of aesthetic delight
source of aesthetic pleasure
source of light
source of supply
source program
sourdough bread
soured cream
sous-
sous-lieutenant
sous-prefect
south about
south african
south by east
south by west
south country
south pole
south sea
south wind
south-
south-blowing
south-borne
south-east
south-easterly
south-eastern
south-eastward
south-facing
south-following
south-preceding
south-seaman
south-seeking
south-side
south-south-east
south-south-west
south-southeast
south-southeasterly
south-southeastward
south-southerly
south-southwest
south-southwesterly
south-southwestward
south-southwestwardly
south-west
south-wester
south-westerly
south-western
south-westward
south-westwardly
southeast by east
southeast by south
southerly burster
southerly buster
southern cane
southern crab apple
southern cross
southern crown
southern cypress
southern dewberry
southern english
southern hemisphere
southern lights
southern magnolia
southern right whale
southern studfish
southern toad
southwest by south
southwest by west
soutien-gorge
souvenir book
souvenir day
souvenir hunter
souvenir sheet
souvenir spoon
sovereign contempt
sovereign nation
sovereign nationhood
sovereign pontiff
sovereign princess
sovereign queen
sovereign remedy
sovereign state
sovereign statehood
sow block
sow broadcast
sow bug
sow chaos
sow disorder
sow dissension
sow fennel
sow gapeseed
sow grass
sow the sand
sow the seed
sow the seeds of
sow thistle
sow your wild oats
sow-back
sow-bread
sow-bug
sow-gelder
sow-metal
sow-pig
sow-thistle
sow-tit
sower type
sowing with salt
soy flour
soy frame
soy pea
soy sauce
soya bean
soya sauce
soya-bean oil
soybean fibers
soybean oil
soyez le bienvenu
sp gr
sp ht
spa-water
space age
space airport
space bar
space between
space bullets
space capsule
space centrode
space charge
space crew
space curvature
space curve
space dock
space docking
space doctor
space engineering
space error
space exploration
space factor
space fiction
space flight
space formula
space frame
space group
space hazard
space heater
space heating
space helmet
space island
space isomerism
space key
space laboratory
space lat
space lattice
space line
space linkage
space man
space mark
space medicine
space mirror
space motion
space navigation
space observatory
space opera
space out
space perception
space platform
space probe
space probes
space quadrature
space rate
space ratio
space research
space rocket
space rule
space satellite
space science
space shuttle
space stage
space station
space suit
space technology
space telegraphy
space telephony
space terminal
space travel
space traveler
space variation
space velocity
space walk
space washer
space writer
space-bar
space-charge effect
space-cramped
space-embosomed
space-filling
space-lattice
space-occupying
space-penetrating
space-pervading
space-piercing
space-polar
space-saving
space-spread
space-thick
space-time
space-time continuum
space-traveling
space-world
spaced out
spaced-antenna direction finder
spaced-loop direction finder
spaced-out
spaceport station
spacing Telegraphy
spacious mind
spacious of mind
spackling compound
spade bayonet
spade beard
spade cassino
spade convention
spade face
spade foot
spade graft
spade grass
spade guinea
spade handle
spade iron
spade lug
spade maker
spade money
spade press
spade rudder
spade-beard
spade-bearded
spade-cut
spade-deep
spade-dug
spade-footed
spade-fronted
spade-shaped
spade-trenched
spadefoot toad
spadici-
spading fork
spading harrow
spae-man
spaghetti Western
spaghetti and meat balls
spaghetti western
spall off
spalling hammer
span blocks
span dog
span iron
span loading
span of apprehension
span of attention
span of meaning
span roof
span shackle
span-
span-counter
span-farthing
span-hapenny
span-long
span-new
span-roof
spandrel frame
spandrel step
spandrel wall
spang-new
spangle-baby
spangled glass
spanish american
spanish bayonet
spanish broom
spanish fly
spanish heel
spanish influenza
spanish mackerel
spanish moss
spanish needles
spanish omelet
spanish paprika
spanish rice
spank along
spanker boom
spanker gaff
spanker peak halyard
spanker sheet
spanker vang
spanking new
spanking pace
spanking wind
spanking-new
spanner wrench
spanner-tight
spar bridge
spar buoy
spar ceiling
spar deck
spar down
spar torpedo
spar tree
spar varnish
spar-deck vessel
spar-decked
spar-decker
spare a thought for
spare diet
spare no effort
spare no expense
spare no pains
spare nothing
spare room
spare the price
spare the rod
spare time
spare tire
spare tyre
spare-bodied
spare-built
spare-fed
spare-handed
spare-handsomely
spare-looking
sparrow hawk
sparrow owl
sparrow pecking
sparrow-bill
sparrow-billed
sparrow-blasting
sparrow-colored
sparrow-footed
sparrow-hawk
sparrow-tail
sparrow-tailed
sparrow-witted
sparse-flowered
spart grass
spasm band
spasm of terror
spastic colon
spastic paralysis
spatch-cock
spate of words
spatial extension
spatling poppy
spatter cone
spatter dash
spatter pipe
spatting stick
spatulate-leaved
spawn brick
spawn fungus
speak about
speak at length
speak before you think
speak by the book
speak by the card
speak drunkenly
speak faintly
speak fair
speak falsely
speak for
speak for Buncombe
speak for itself
speak highly of
speak ill of
speak ill of behind your back
speak imperfectly
speak in high terms of
speak in privacy
speak in riddles
speak in tongues
speak incoherently
speak inopportune
speak one's mind
speak one's piece
speak out
speak plainly
speak poorly
speak slightly of
speak soothing words
speak the truth
speak thickly
speak through your nose
speak to
speak to the winds
speak too late
speak too soon
speak true
speak up
speak up for
speak volumes
speak warmly of
speak well for
speak well of
speak with
speak with forked tongue
speak words of wisdom
speak your mind
speak your piece
speak-easy
speaker hole
speaker key
speaker system
speaker unit
speaker's platform
speaker's stand
speaking arc
speaking clock
speaking generally
speaking in tongues
speaking of
speaking part
speaking pipe
speaking rod
speaking stop
speaking terms
speaking trumpet
speaking tube
speaking type
speaking up for
speaking-to
speaking-trumpet
speaking-tube
spear bed
spear crowfoot
spear foot
spear grass
spear gun
spear hand
spear hook
spear javelin
spear kin
spear lily
spear plate
spear play
spear point
spear pyrites
spear rest
spear rod
spear side
spear thistle
spear thrower
spear widgeon
spear-bearing
spear-bill
spear-billed
spear-bound
spear-brandishing
spear-breaking
spear-carrier
spear-fallen
spear-famed
spear-grass
spear-head
spear-head spoon
spear-headed
spear-high
spear-nosed
spear-pierced
spear-pointed
spear-shaking
spear-shaped
spear-skilled
spear-splintering
spear-swept
spear-thrower
spear-throwing
spear-wielding
spearmint oil
special act
special affinity
special agent
special area
special article
special assessment
special case
special circumstance
special committee
special consideration
special constable
special contract
special correspondent
special court-martial
special delivery
special demurrer
special dividend
special drawing rights
special edition
special effect
special effects
special electronic
special favor
special full-dress uniform
special handling
special hospital
special interest
special interests
special jury
special knowledge
special library
special licence
special map
special order
special orders
special partner
special partnership
special permission
special pleader
special pleading
special police
special privilege
special providence
special relativity
special rule
special school
special session
special sessions
special situation stock
special sort
special staff
special term
special theory of relativity
special treatment
special troops
special-delivery
special-interest group
special-interest lobby
special-interest pressure
special-process
special-purpose tubes
specialite de la maison
specialize in
specialized dictionary
specialized kinds
specialized knowledge
specialized stones
specialty contract
specialty shop
specialty stock
specie payment
specie point
species pectorales
specific activity
specific character
specific charge
specific conductance
specific duty
specific epithet
specific gravity
specific heat
specific heat capacity
specific humidity
specific immunity
specific impulse
specific inductive capacity
specific inflammation
specific performance
specific reluctance
specific remedy
specific resistance
specific therapy
specific treatment
specific viscosity
specific volume
specific-gravity
specific-gravity balance
specific-gravity bottle
specific-gravity bulbs
specifica requirements
specifically provide
specimen bottle
specimen plant
specio-
specious appearance
specious argument
specious present
specious reasoning
speck block
speckle loon
speckle perch
speckle trout
speckle-backed
speckle-bellied
speckle-billed
speckle-breasted
speckle-coated
speckle-faced
speckle-marked
speckle-skinned
speckle-starred
speckled Sussex
speckled trout
spectacle case
spectacle clew
spectacle coot
spectacle frame
spectacle furnace
spectacle iron
spectacle stone
spectacled cobra
spectator sport
specter bat
specter candle
specter crab
specter lemur
specter shrimp
specter-fighting
specter-haunted
specter-looking
specter-mongering
speech reading
speech rhythm
speech room
speech situation
speech sound
speech sounds
speech tune
speech-bereaving
speech-bereft
speech-bound
speech-famed
speech-flooded
speech-maker
speech-reading
speech-reporting
speech-shunning
speech-writing
speed along
speed away
speed boss
speed box
speed comparisons
speed cone
speed cones
speed control
speed controller
speed cop
speed counter
speed demon
speed flag
speed frame
speed freak
speed gauge
speed gear
speed indicator
speed lamp
speed lathe
speed light
speed limit
speed maniac
speed merchant
speed meter
speed of sound
speed on
speed on its way
speed over the bottom
speed over the ground
speed pulley
speed record
speed recorder
speed reducer
speed regulator
speed rigger
speed road
speed sheet
speed sight
speed skate
speed sprayer
speed test
speed the parting guest
speed tool
speed trap
speed truck
speed up
speed-length ratio
speed-up
speeding-place
speedway race
sped-foam
spell backward
spell down
spell of nerves
spell of rain
spell of work
spell off
spell out
spell-banned
spell-bind
spell-bound
spell-casting
spell-caught
spell-free
spell-invoking
spell-like
spell-raised
spell-riveted
spell-set
spell-sprung
spell-stopped
spell-struck
spell-weaving
spelling bee
spelling book
spelling match
spelling pronunciation
spelling reform
spelling reformer
spelter calciner
spelter chills
spelter solder
spencer mast
spend a penny
spend as if money grew on trees
spend like a drunken sailor
spend money like water
spend more than you have
spend the time
spend time
spend what you haven't got
spend your time in
spend yourself
spend yourself for
spend-all
spend-good
spending money
spending-money
spendthrift of your tongue
spendthrift trust
spenserian sonnet
spenserian stanza
spent-gnat
spent-gnat fly
sperm aster
sperm candle
sperm cell
sperm center
sperm nucleus
sperm oil
sperm receptor
sperm sac
sperm whale
sperm whaler
sperm whaling
sperm-
sperm-whale porpoise
sperm-
spermathecal gland
spermatic cord
spermatic fluid
spermatic plexus
spermatic veins
spermato-
spermatophore sac
spermi-
spermicidal jelly
spermo-
spew out
spewing sickness
spey cast
sphae-ropsidaceous
sphaero-
sphagnum bog
sphagnum frog
sphagnum moss
spheno-
spheno-occipital
sphenoid bone
sphere circle
sphere crystals
sphere fungus
sphere gap
sphere geometry
sphere of influence
sphere of work
sphere tracks
sphere-born
sphere-descended
sphere-filled
sphere-found
sphere-headed
sphere-shaped
sphere-tuned
spheres of influence
spherical aberration
spherical angle
spherical coordinate
spherical coordinates
spherical excess
spherical geometry
spherical polygon
spherical sailing
spherical triangle
spherical trigonometry
spherico-
sphero-
sphero-
dal galaxy
spherometer caliper
sphinx baboon
sphinx caterpillar
sphinx moth
sphinxes without secrets
sphygmo-
spice ball
spice birch
spice box
spice cake
spice currant
spice grinder
spice mill
spice nut
spice of wit
spice plate
spice shop
spice store
spice trade
spice tree
spice-bearing
spice-box
spice-breathing
spice-burnt
spice-cake
spice-fraught
spice-laden
spice-warmed
spice-wood
spicebush silk moth
spicebush swallowtail
spici-
spick and span
spick and span new
spick-and-span
spick-and-spandy
spick-and-spanness
spick-span-new
spiculi-
spicy fleabane
spider ant
spider band
spider beetle
spider bug
spider cart
spider catcher
spider cell
spider crab
spider diver
spider eater
spider fern
spider fly
spider grass
spider hoop
spider hunter
spider leg
spider lily
spider line
spider mite
spider monkey
spider nevus
spider orchid
spider orchis
spider phaeton
spider plant
spider shell
spider stitch
spider wagon
spider wasp
spider web
spider wheel
spider's web
spider-catcher
spider-crab
spider-fingered
spider-hunting wasp
spider-leg
spider-leg table
spider-legged
spider-leggy
spider-like
spider-limbed
spider-line
spider-shanked
spider-spun
spider-web
spider-webby
spiderwort family
spiegel charger
spiegel iron
spiff up
spiffed up
spigot joint
spike bit
spike bowsprit
spike buck
spike disease
spike grass
spike heath
spike heel
spike knot
spike lavender
spike nail
spike oil
spike rush
spike shell
spike team
spike tub
spike your guns
spike-billed
spike-horned
spike-kill
spike-lavender oil
spike-leaved
spike-nail
spike-pitch
spike-pitcher
spike-rush
spike-tailed
spike-tooth
spike-tooth harrow
spiked alder
spikenard tree
spiketail coat
spiketail family
spiking piece
spile driver
spiling batten
spill blood
spill box
spill ink
spill it
spill light
spill out
spill over
spill stream
spill the beans
spill your guts
spill-
spill-over
spillet fishing
spilling line
spilt milk
spin a long yarn
spin bowler
spin casting
spin fisherman
spin fishing
spin house
spin in
spin like a teetotum
spin like a top
spin off
spin out
spin quantum number
spin rocks
spin stabilization
spin the bottle
spin the plate
spin the platter
spin wave
spin-dried
spin-drier
spin-dry
spin-dryer
spin-drying
spin-house
spin-off
spin-stabilized rocket
spin-text
spina bifida
spinach beet
spinach blight
spinach dock
spinach flea beetle
spinach green
spinach yellows
spinach-colored
spinach-rhubarb
spinal accessory nerve
spinal anaesthesia
spinal anesthesia
spinal canal
spinal column
spinal cord
spinal meningitis
spinal tap
spindle bander
spindle fiber
spindle fibers
spindle file
spindle kin
spindle oil
spindle pointer
spindle sander
spindle shell
spindle side
spindle sprout
spindle step
spindle stone
spindle stretcher
spindle stromb
spindle temper
spindle tree
spindle tuber
spindle whorl
spindle-cell
spindle-cell sarcoma
spindle-celled
spindle-formed
spindle-legged
spindle-pointed
spindle-rooted
spindle-shanked
spindle-shaped
spindle-shinned
spindle-side
spindle-tree
spindling sprout
spine cell
spine-ache
spine-bashing
spine-breaking
spine-broken
spine-chiller
spine-chilling
spine-clad
spine-covered
spine-finned
spine-headed
spine-pointed
spine-protected
spine-rayed
spine-tail
spine-tailed
spine-tailed swift
spine-tipped
spinel group
spinel pink
spinel ruby
spinel-red
spinet desk
spini-
spinnaker boom
spinnaker pole
spinnaker staysail
spinner of yarns
spinner play
spinning axis
spinning box
spinning electrons
spinning frame
spinning gland
spinning head
spinning house
spinning jenny
spinning lathe
spinning machine
spinning mammilla
spinning mite
spinning mule
spinning out
spinning pot
spinning top
spinning tube
spinning wheel
spinning-house
spinning-jenny
spinning-out
spinning-wheel
spin-
spino-
spino-olivary
spino-olivary tract
spinocerebellar tract
spinous process
spinous-branched
spinous-finned
spinous-foliaged
spinous-leaved
spinous-pointed
spinous-serrate
spinous-tailed
spinous-tipped
spinous-toothed
spinuli-
spiny anteater
spiny bur
spiny cocklebur
spiny dogfish
spiny lizard
spiny lobster
spiny ray
spiny-backed
spiny-coated
spiny-crested
spiny-finned
spiny-footed
spiny-fruited
spiny-haired
spiny-leaved
spiny-legged
spiny-margined
spiny-pointed
spiny-rayed
spiny-ribbed
spiny-skinned
spiny-tailed
spiny-tipped
spiny-toothed
spiral balance
spiral bevel gear
spiral binding
spiral casing
spiral galaxy
spiral gear
spiral loop
spiral nebula
spiral notebook
spiral of Archimedes
spiral shell end mill
spiral spring
spiral staircase
spiral stairs
spiral upward
spiral-bound
spiral-coated
spiral-gear
spiral-grooved
spiral-horned
spiral-nebula
spiral-nebula hypothesis
spiral-pointed
spiral-spring
spiral-vane
spiraling prices
spiraling up
spire light
spire-bearer
spire-shaped
spire-steeple
spiric body
spirit away
spirit blue
spirit butterfly
spirit compass
spirit control
spirit duck
spirit duplicator
spirit gum
spirit lamp
spirit level
spirit leveling
spirit manifestation
spirit of hartshorn
spirit of nitrous ether
spirit of the age
spirit of the sea
spirit of the time
spirit of turpentine
spirit rapper
spirit rapping
spirit up
spirit varnish
spirit vinegar
spirit world
spirit writing
spirit-awing
spirit-boiling
spirit-born
spirit-bowed
spirit-bribing
spirit-broken
spirit-cheering
spirit-chilling
spirit-crushed
spirit-crushing
spirit-drinking
spirit-fallen
spirit-freezing
spirit-froze
spirit-guided
spirit-haunted
spirit-healing
spirit-inspiring
spirit-lifting
spirit-marring
spirit-numb
spirit-piercing
spirit-possessed
spirit-prompted
spirit-pure
spirit-quelling
spirit-rapper
spirit-rapping
spirit-refreshing
spirit-rousing
spirit-sinking
spirit-small
spirit-soothing
spirit-speaking
spirit-stirring
spirit-stricken
spirit-thrilling
spirit-torn
spirit-troubling
spirit-walking
spirit-wearing
spirit-wise
spirits of ammonia
spirits of camphor
spirits of hartshorn
spirits of salt
spirits of the air
spirits of turpentine
spirits of wine
spiritual being
spiritual blindness
spiritual body
spiritual bouquet
spiritual cleansing
spiritual climate
spiritual death
spiritual director
spiritual father
spiritual healer
spiritual healing
spiritual humbug
spiritual incest
spiritual leader
spiritual love
spiritual presence
spiritual purification
spiritual void
spiritual wife
spiritual-minded
spiritual-mindedly
spiritual-mindedness
spiritually blind
spiritually cleansed
spiritually purified
spirituous tincture
spiritus asper
spiritus camphorae
spiritus frumenti
spiritus lenis
spiritus mundi
spirketing plate
spiro compound
spiro-
spit and image
spit and polish
spit bug
spit curl
spit image
spit in the ocean
spit it out
spit on your hands
spit up
spit upon
spit-and-polish
spit-ball
spite fence
spite of
spite wall
spite work
spitfire jib
spitting cobra
spitting distance
spitting image
spitting snake
spittle bug
spittle fly
spittle insect
spitz dog
spitz flute
splanchno-
splash back
splash dam
splash feed
splash guard
splash lubrication
splash of rain
splash out
splash system
splash zone
splash-
splash-down
splash-lubricate
splash-tight
splat-back
splatter-faced
splay-edged
splay-footed
splay-kneed
splay-legged
splay-mouthed
splay-toed
spleen amaranth
spleen stone
spleen-born
spleen-devoured
spleen-pained
spleen-piercing
spleen-shaped
spleen-sick
spleen-struck
spleen-swollen
spleenwort bush
splen-
splendid isolation
splenic fever
spleno-
splice bar
splice box
splice graftage
splice grafting
splice the main brace
splicing chamber
splicing hammer
spline broach
spline clutch
spline joint
spline milling machine
spline shaft
spline weight
splint armor
splint bar
splint basket
splint bone
splint coal
splint peeler
splint seat
splint-bottom
splint-bottomed
splinter bar
splinter bulkhead
splinter deck
splinter group
splinter party
splinter-bar
splinter-proof
splish-splash
split 'S'
split T formation
split balance
split decision
split flap
split hairs
split in two
split infinitive
split nut
split open
split pea
split personality
split rail
split run
split schedule
split screen
split second
split shift
split shot
split shovel
split spindle
split sprit
split stroke
split the atom
split the difference
split the ear
split the eardrums
split the ears
split the lungs
split the throat
split ticket
split tin
split turning
split up
split upon a rock
split wheel
split wing
split with laughter
split your head
split your sides
split-
split-bottom
split-eared
split-edge
split-face
split-level
split-lift
split-mouth
split-nosed
split-oak
split-off
split-phase
split-phase motor
split-screen technique
split-second watch
split-timber
split-tongued
split-up
splitmouth sucker
splitting chisel
splitting factor
splitting field
splitting gun
splitting headache
splitting in two
splitting plate
splitting the atom
splitworm moth
spodo-
spoil bank
spoil for
spoil ground
spoil paper
spoil-
spoil-mold
spoil-paper
spoiled brat
spoiled child
spoiled darling
spoiled rotten
spoiling for
spoils of office
spoils system
spoke auger
spoke in your wheel
spoke stitch
spoke-dog
spoken language
spoken word, the
spolia opima
spon-image
spondylitis deformans
sponge bag
sponge bath
sponge cake
sponge cloth
sponge cucumber
sponge diver
sponge down
sponge drop
sponge finger
sponge fisher
sponge fisherman
sponge gourd
sponge grafting
sponge hook
sponge iron
sponge mop
sponge off
sponge on
sponge out
sponge pudding
sponge rubber
sponge tree
sponge up
sponge-bearing
sponge-cake
sponge-colored
sponge-diving
sponge-fishing
sponge-footed
sponge-leaved
sponge-painted
sponge-shaped
spong-
sponging house
sponging-house
spongio-
spong-
spongy-flowered
spongy-footed
spongy-looking
spongy-rooted
spongy-wet
spongy-wooded
spontaneous combustion
spontaneous generation
spontaneous recovery
spontaneous response
spool bed
spool turner
spool turning
spool winder
spool-shaped
spooling bracket
spoon bait
spoon bit
spoon bow
spoon brake
spoon bread
spoon chisel
spoon end
spoon food
spoon gouge
spoon hook
spoon iron
spoon lever
spoon meat
spoon nail
spoon net
spoon oar
spoon out
spoon tool
spoon victual
spoon victuals
spoon-back
spoon-beaked
spoon-billed
spoon-bowed
spoon-fashion
spoon-fashioned
spoon-fed
spoon-feed
spoon-feeding
spoon-formed
spoon-meat
spoon-shaped
spoonbill cat
spoonwood ivy
spoony over
spor-
sporadic E layer
sporadic cholera
spore ball
spot blotch
spot board
spot card
spot cards
spot cash
spot check
spot cotton
spot dyeing
spot grain
spot height
spot illustration
spot lamp
spot lens
spot lighting
spot line
spot map
spot news
spot of lunch
spot of sleep
spot pass
spot pawn
spot pickup
spot plate
spot price
spot rot
spot sale
spot stroke
spot test
spot weld
spot welder
spot welding
spot white
spot zone
spot-barred
spot-billed
spot-check
spot-drill
spot-eared
spot-face
spot-grind
spot-leaved
spot-lipped
spot-mill
spot-on
spot-soiled
spot-weld
spot-winged
spotted adder
spotted calla lily
spotted cavy
spotted cowbane
spotted crake
spotted crane's-bill
spotted dick
spotted fever
spotted flycatcher
spotted hemlock
spotted hyena
spotted joe-pye weed
spotted sandpiper
spotted spurge
spotted sunfish
spotted wilt
spotted wintergreen
spotted-beaked
spotted-bellied
spotted-billed
spotted-breasted
spotted-eared
spotted-fever tick
spotted-finned
spotted-leaved
spotted-necked
spotted-tailed
spotted-winged
spotter plane
spotting machine
spotting motion
spotting scope
spotty market
spouse-breach
spout adz
spout cup
spout fish
spout hole
spout off
spout out
spout shell
spout-hole
spouting horn
spraddle-legged
sprag road
sprain fracture
sprangle-top
sprat barley
sprat borer
sprat day
sprat loon
sprat-barley
spray can
spray carburetor
spray drain
spray gun
spray nozzle
spray outfit
spray strip
spray-casting
spray-decked
spray-shaped
spray-topped
spray-washed
spray-wet
spread a large clew
spread a shade over
spread a shadow over
spread a small clew
spread about
spread city
spread eagle
spread formation
spread light
spread like wildfire
spread on
spread on a color
spread on the record
spread out
spread over
spread reflection
spread sail
spread sheet
spread sideways
spread sidewise
spread the toils
spread with
spread yourself
spread-eagle
spread-eagled
spread-eagleism
spread-eagleist
spread-eagling
spread-out
spread-over
spread-set
spreader beam
spreader car
spreading abroad
spreading board
spreading dogbane
spreading factor
spreading like a cancer
spreading like wildfire
spreading machine
spreading out
spreading too thin
sprig bolt
sprig budding
sprig-bit
sprig-tailed
sprightly wit
spring a leak
spring a mine under
spring a surprise
spring apart
spring azure
spring back
spring balance
spring barley
spring base
spring beam
spring beauty
spring bed
spring beetle
spring bell
spring binder
spring block
spring bolt
spring bows
spring brass
spring caliper
spring calipers
spring cankerworm
spring catarrh
spring catch
spring chair
spring chicken
spring clip
spring collet
spring corn
spring cotter
spring cowslip
spring cress
spring detent
spring die
spring dividers
spring draft gear
spring faucet
spring fever
spring flood
spring fly
spring frog
spring from
spring governor
spring grain aphis
spring grass
spring green
spring gun
spring hammer
spring harrow
spring heath
spring heel
spring herring
spring hoe
spring hook
spring iris
spring key
spring lamb
spring latch
spring leaf
spring ligament
spring lily
spring line
spring lock
spring mattress
spring molding
spring mushroom
spring needle
spring nut
spring oats
spring onion
spring open
spring orange
spring orchid
spring pad
spring padlock
spring peeper
spring perch
spring pin
spring plate
spring pole
spring rail
spring rains
spring ring
spring rye
spring safety valve
spring sage
spring saxifrage
spring scale
spring scorpion grass
spring seat
spring snow
spring snowflake
spring starflower
spring stay
spring steel
spring stripper
spring switch
spring temper
spring the eye
spring tide
spring to your feet
spring tool
spring tooth
spring training
spring up
spring upon
spring valve
spring vetch
spring vetchling
spring vise
spring wagon
spring washer
spring water
spring weir
spring wheat
spring wheel
spring-
spring-beam
spring-blooming
spring-blossoming
spring-board
spring-born
spring-budding
spring-clean
spring-cleaner
spring-cleaning
spring-driven
spring-flood
spring-flowering
sprite crab
spritsail topmast
spritsail yard
sproat hook
sprocket wheel
sproat cell
sproat forest
sproat from
sproat up
sproat wings
sprouted oats
spruce bark beetle
spruce beer
spruce budworm
spruce fir
spruce grouse
spruce pine
spruce sawfly
spruce up
spruce yellow
spruced up
sprung molding
sprung rhythm
spud casing
spud in
spud-bashing
spudding bar
spule-bane
spun glass
spun hay
spun out
spun rayon
spun silk
spun sugar
spun yarn
spun-out
spunk up
spur bit
spur blight
spur bunting
spur chuck
spur dike
spur forger
spur fowl
spur gall
spur gear
spur gear wheel
spur gearing
spur grass
spur mortise gear
spur on
spur pepper
spur pinion
spur pruning
spur royal
spur ryal
spur shell
spur shore
spur stone
spur timber
spur track
spur tree
spur valerian
spur whang
spur wheel
spur-bearing
spur-clad
spur-driven
spur-finned
spur-gall
spur-galled
spur-g geared
spur-gilled
spur-geeled
spur-jingling
spur-leather
spur-of-the-moment
spur-of-the-moment response
spur-off-the-moment
spur-rowel
spur-royal
spur-shaped
spur-tailed
spur-toed
spur-wing
spur-winged
spurge daphne
spurge family
spurge flax
spurge ipecac
spurge laurel
spurge moth
spurge nettle
spurge olive
spurge thyme
spurge-wort
spurious wing
spurling line
spurling pipe
spurry sandwort
spurt of rain
sputter and stop
sputum cup
spy glass
spy on
spy out
spy plane
spy ship
spy upon
spy-
spy-catcher
spy-glass
squab broiler
squab pie
squab-pie
squabble over
squad car
squad leader
squad room
squadron leader
squads-left
squads-right
squall cloud
squall line
squam duck
squam-
squamo-
squamo-occipital
squamous epithelium
squander in dribs and drabs
squarer-squash
square accounts
square accounts with
square and rabbet
square away
square bit
square body
square bracket
square cap
square centimeter
square contingency
square dance
square dancing
square deal
square dealing
square file
square foot
square frame
square inch
square it
square joint
square kilometer
square knot
square leg
square mark
square matrix
square meal
square measure
square meter
square mile
square millimeter
square number
square odds
square of opposition
square off
square one
square peg in a round hole
square piano
square rig
square root
square root planimeter
square sail
square serif
square set
square shake
square shooter
square shooting
square splice
square the circle
square the yards
square things
square tin
square up
square wave
square with
square with the evidence
square with the facts
square yourself with
square-John
square-barred
square-based
square-bashing
square-bladed
square-bodied
square-bottomed
square-browed
square-built
square-butted
square-cheeked
square-chinned
square-countered
square-cut
square-dancer
square-dealing
square-draw
square-drill
square-eared
square-edged
square-elbowed
square-faced
square-figured
square-fronted
square-headed
square-hewn
square-jawed
square-jointed
square-leg
square-lipped
square-looking
square-made
square-marked
square-meshed
square-mouthed
square-necked
square-nosed
square-rigged
square-rigger
square-root flowmeter
square-rumped
square-set
square-set stoping
square-shafted
square-shaped
square-shooting
square-shouldered
square-skirted
square-stalked
square-stem
square-stemmed
square-sterned
square-tailed
square-thread
square-threaded
square-tipped
square-toed
square-toedness
square-toes
square-topped
square-towered
square-wave generator
squared circle
squared off
squared paper
squared ring
squared splice
squaring lathe
squaring the circle
squarroso-
squarrosodentate
squarrosolaciniate
squarrosopinnatifid
squarrosopinnatisept
squash beetle
squash bite
squash borer
squash bug
squash court
squash flea beetle
squash ladybird
squash racquets
squash tennis
squash vine borer
squash-
squash-vine borer
squashed flat
squat board
squat on
squat tag
squat-bodied
squat-built
squat-hatted
squatter sovereignty
squatter’s right
squaw carpet
squaw corn
squaw duck
squaw huckleberry
squaw man
squaw mint
squaw vine
squaw waterweed
squaw winter
squaw-drops
squawk box
squawk duck
squeak by
squeak through
squeal on
squeeegee roller
squeeze bottle
squeeze box
squeeze in
squeeze joint
squeeze out
squeeze out a living
squeeze play
squeeze shut
squeeze your hand
squeeze-box
squeeze-up
squeezed joint
squeezed shut
squeezing out
squelch circuit
squelette clock
squid hound
squid-jigger
squid-jigging
squill blue
squill-like
squiancy berry
squinch arch
squinch-eyed
squint brick
squint eyes
squint the eye
squint-eye
squint-eyed
squint-eyedness
squinting construction
squire snapper
squirm out of
squirm with embarrassment
squirm with self-consciousness
squirrel away
squirrel cage
squirrel cage rotor motor
squirrel corn
squirrel cup
squirrel food
squirrel frog
squirrel grass
squirrel hawk
squirrel monkey
squirrel mouse
squirrel phalanger
squirrel plague
squirrel rifle
squirrel shrew
squirrel something away
squirrel tail
squirrel tail grass
squirrel's-ear
squirrel's-foot fern
squirrel-cage motor
squirrel-colored
squirrel-eyed
squirrel-headed
squirrel-limbed
squirrel-minded
squirrel-tail
squirrel-tail grass
squirrel-trimmed
squirrels-foot fern
squirreltail grass
squirt can
squirt gun
squirt-fire
squirting cucumber
squish-squash
squitch grass
stab at
stab culture
stab in the back
stab kick
stab pass
stab to death
stab wages
stab wound
stahat mater
stabbing pain
stabilization fund
stable color
stable door
stable equation
stable equilibrium
stable fly
stable oscillation
stable police
stable state
stable-born
stable-stand
staccato mark
staccato sound
stack against
stack of bones
stack process
stack room
stack the cards
stack the deck
stack up
stack up with
stack-garth
stacked deck
stacking band
stacking belt
stacking swivel
stadia hair
stadia rod
stadia wire
staff angle
staff bead
staff captain
staff car
staff college
staff commander
staff corps
staff degree
staff department
staff notation
staff nurse
staff of Aesculapius
staff of life
staff of office
staff officer
staff ride
staff rush
staff section
staff sergeant
staff sling
staff surgeon
staff system
staff tree
staff vine
staff walk
staff work
staff-herd
staff-tree family
staffordshire terrier
stag beetle
stag bush
stag dance
stag film
stag gang
stag moss
stag party
stag sumac
stag the market
stag tick
stag's-horn coral
stag-beetle
stag-evil
stag-eyed
stag-hafted
stag-handled
stag-headed
stag-headedness
stag-horn
stag-horned
stag-necked
stag-sure
stage boat
stage box
stage brace
stage business
stage carriage
stage cloth
stage coachman
stage direction
stage directions
stage director
stage door
stage effect
stage fright
stage left
stage lighting
stage management
stage manager
stage managership
stage micrometer
stage name
stage peg
stage performance
stage performer
stage play
stage player
stage playing
stage pocket
stage presence
stage presentation
stage property
stage right
stage scenery
stage screw
stage set
stage setter
stage setting
stage show
stage technician
stage wagon
stage wait
stage whisper
stage world
stage, the
stage-blanks
stage-bleed
stage-coach
stage-frighten
stage-manage
stage-managed
stage-manager
stage-managing
stage-set
stage-struck
stagger along
stagger belief
stagger grass
stagger head
stagger on
stagger spokes
stagger wire
stagger wires
staggered head
staggering belief
staggering blow
staggering bob
staggering drunk
staghorn coral
staghorn fern
staghorn moss
staghorn sumac
staging area
staging nail
stagnant market
stagnant water
stagnant-blooded
stagnant-minded
stagnant-souled
stagnation mastitis
staight-bred
stain paper
stained glass
stained glass window
stainless steel
stainless-steel ware
stair horse
stair rail
stair rod
stair tower
stair turret
stair well
stair wire
stair-foot
stair-head
stair-step
stair-stepper
staircase curve
staircase shell
stake boat
stake body
stake down
stake driver
stake horse
stake net
stake out
stake race
stake truck
stake your claim
stake-boat
stakes race
staking your claim
stalactite vault
stalactite work
stalagmite marble
stale repetition
stale-drunk
stale-grown
stale-mouthed
stale-worn
stalk borer
stalk disease
stalk smut
stalk-eyed
stalkling-horse
stall angl
stall angle
stall angle of attack
stall around
stall for time
stall landing
stall net
stall off
stall plate
stall reader
stall-fed
stall-feed
stall-feeding
stall-like
stall-master
stalling angle
stalling angle of attack
stalling speed
stallion plague
stamin-
stamp and go
stamp battery
stamp book
stamp booklet
stamp copper
stamp dealer
stamp duty
stamp hammer
stamp in the memory
stamp licker
stamp mill
stamp note
stamp of approval
stamp on
stamp out
stamp pad
stamp rock
stamp tax
stamp upon
stamp your foot
stamp-licking
stamped on the memory
stamped securities
stamping ground
stamping mill
stance fatigue
stanch friendship
stanchion gun
stand a chance
stand a good chance
stand aghast
stand agog
stand alone
stand aloof
stand aloof from
stand and be counted against
stand apart
stand around
stand aside
stand at attention
stand at bay
stand at ease
stand at parade rest
stand at the head
stand away
stand back
stand back of
stand bail for
stand behind
stand by
stand by the main sheet
stand by the side of
stand by to weigh anchor
stand clear of
stand condemned
stand down
stand drinks
stand easy
stand erect
stand fair to
stand fast
stand fire
stand firm
stand first
stand for
stand for office
stand forth
stand from
stand guard
stand guard over
stand hawk
stand high
stand house
stand in
stand in a white sheet
stand in awe of
stand in dread of
stand in for
stand in for the land
stand in front
stand in good stead
stand in need of
stand in the place of
stand in the stead of
stand in the way
stand in the way of
stand in with
stand in your own light
stand like a post
stand method
stand mute
stand neuter
stand no nonsense
stand of arms
stand of timber
stand off
stand off and on
stand oil
stand on
stand on a course
stand on a straight course
stand on a volcano
stand on ancient ways
stand on ceremony
stand on end
stand on tiptoe
stand on tiptoes
stand on your own
stand on your own feet
stand on your own legs
stand on your own two feet
stand on your rights
stand one in hand
stand opposed
stand opposite
stand or fall with
stand out
stand out from the shore
stand over
stand over against
stand pat
stand ready
stand responsible for
stand rest
stand revealed
stand sentinel
stand shoulder to shoulder
stand shoulder to shoulder with
stand sponsor for
stand still
stand the costs
stand the gaff
stand the hazard of the die
stand the test
stand to
stand to attention
stand to gain
stand to lose
stand to reason
stand to your engagement
stand together
stand treat
stand under
stand up
stand up against
stand up and be counted
stand up for
stand up for Jesus
stand up straight
stand up to
stand up with
stand upon
stand upon a course
stand upon your rights
stand upright
stand vis-a-vis
stand with arms akimbo
stand you in good stead
stand you in stead
stand your ground
stand your trick
stand your watch
stand-by
stand-bys
stand-down
stand-easy
stand-in
stand-off
stand-off half
stand-offish
stand-offishly
stand-offishness
stand-on vessel
stand-patter
stand-pipe
stand-to
stand-up
stand-up comedian
stand-up comedy
stand-up comedy act
stand-up comic
stand-up fight
standard article
standard atmosphere
standard band
standard behavior
standard broadcasting
standard candle
standard cell
standard coke
standard compass
standard cost
standard deviation
standard dialect
standard dollar
standard error
standard gauge
standard language
standard lining
standard microphone
standard money
standard of comfort
standard of life
standard of living
standard of perfection
standard of value
standard operating procedure
standard page
standard phrase
standard pitch
standard position
standard refraction
standard stock
standard time
standard transmission
standard usage
standard work
standard-bearer
standard-bearership
standard-bred
standard-gage
standard-gaged
standard-gauge
standard-gauged
standard-sized
standard-wing
standardized test
stander-by
standing against
standing apart
standing army
standing at attention
standing barrage
standing broad jump
standing committee
standing custom
standing for office
standing gaff
standing high jump
standing jump
standing lug
standing martingale
standing matter
standing on end
standing on its base
standing on its feet
standing on its legs
standing order
standing orders
standing ovation
standing place
standing rigging
standing room
standing room only
standing salt
standing stone
standing to
standing treat
standing up
standing upright
standing vise
standing water
standing wave
standing way
standing-place
standing-wave indicator
standoff coat
standoff half
stanford-binet test
stank hen
stann-
stannel hawk
stannic acid
stannic oxide
stannic sulfide
stannic sulphide
stanno-
stannoso-
staphylo-
staple fiber
staple fur
staple item
staple punch
staple right
staple-fashion
staple-headed
staple-shaped
stapling machine
star acacia
star anise
star anise oil
star aniseed
star antimony
star apple
star belt
star bomb
star buzzard
star capsicum
star catalog
star catalogue
star chart
star check
star chickweed
star cloud
star cluster
star colors
star connection
star coral
star count
star cucumber
star cut
star density
star disk
star drift
star drill
star dust
star facet
star feed
star fern
star finch
star finder
star fort
star gauge
star gear
star ghost
star gooseberry
star grass
star hummingbird
star hyacinth
star image
star in the firmament
star ipomoea
star jasmine
star jelly
star lily
star lot
star map
star metal
star motion
star network
star of David
star of bethlehem
star of david
star pagoda
star pepper
star phlox
star pine
star place
star plate
star plum
star point
star polygon
star position
star-dogged
star-dust
star-embroidered
star-eyed
star-fashion
star-fed
star-flower
star-flowered
star-gaze
star-gazer
star-gazing
star-grass
star-inwrought
star-leaved
star-led
star-like
star-mouthed
star-nosed
star-nosed mole
star-of-Bethlehem
star-of-Jerusalem
star-of-bethlehem
star-paved
star-peopled
star-pointed
star-proof
star-ribbed
star-scattered
star-shaped
star-shot
star-skilled
star-spangled
star-spangled banner
star-staring
star-stone
star-studded
star-surveying
star-sweet
star-taught
star-thistle
star-throated
star-watching
star-wearing
star-wise
star-ypointing
starboard anchor
starboard engine
starboard engine ahead
starboard tack
starch blue
starch cellulose
starch corn
starch gum
starch hyacinth
starch layer
starch paste
starch room
starch sheath
starch sirup
starch star
starch syrup
starch tree
starch-digesting
starch-producing
starch-reduced
starch-sized
stare at
stare decisis
stare down
stare hard
stare openmouthed
stare out
stare out of countenance
stare you in the face
stare-about
starfish flower
stark blind
stark dead
stark naught
stark upright
stark-awake
stark-becalmed
stark-blind
stark-calm
stark-dead
stark-drunk
stark-dumb
stark-false
stark-mad
stark-naked
stark-naught
stark-new
stark-raving
stark-raving mad
stark- spoiled
stark-staring
stark-staring mad
stark-stiff
stark-wild
stark-wood
starling stone
starnose mole
starring role
starry campion
starry grasswort
starry heaven
starry heavens
starry host
starry orbs
starry-bright
starry-eyed
starry-eyed over
starry-flowered
starry-golden
starry-headed
starry-nebulous
stars and bars
stars and stripes
stars-of-Bethlehem
stars-of-Jerusalem
start all over
start aside
start back
start going
start in
start music
start off
start on
start out
start the ball rolling
start up
start-naked
start-off
start-stop switch
start-up
starter-off
starting block
starting box
starting friction
starting gate
starting grid
starting handle
starting line
starting note
starting place
starting point
starting post
starting price
starting punch
starting stalls
starting step
starting torque
starting-hole
startle the echoes
startling resemblance
starvation diet
starvation treatment
starvation wages
starved-looking
stash away
stat mi
state a grievance
state aid
state assembly
state attorney
state bank
state bond
state capitalism
state chairman
state chamber
state church
state college
state convention
state coordinate system
state flower
state forest
state guard
state highway
state hospital
state legislature
state medicine
state mutual
state note
state of affairs
state of being
state of being one
state of expectancy
state of grace
state of mind
state of nature
state of nerves
state of suspense
state of the exchequer
state of the market
state of things
state of war
state ownership
state paper
state police
state prayers
state prison
state religion
state rights
state school
state senator
state services
state socialism
state socialist
state tax
state trial
state trooper
state university
state your case
state's attorney
state's evidence
state-aided
state-caused
state-changing
state-educated
state-enforced
state-fed
state-house
state-making
state-mending
state-monger
state-of-the-art
state-owned
state-paid
state-pensioned
state-provided
state-provisioned
state-prying
state-ridden
state-room
state-ruling
state-socialist
state-taxed
state-wide
state-wielding
stated cause
stated clerk
stated value
stateless person
stately home
stately-beauteous
stately-grave
stately-paced
stately-sailing
stately-storied
stately-written
statement covering the evidence
statement covering the facts
statement of belief
statement of claim
statement of defense
statement of facts
statement of principles
statement under oath
states general
states' righter
states' rights
states-people
static ceiling
static electricity
static field
static firing
static friction
static line
static propeller thrust
static stability
static tube
static water
station agent
station break
station day
station error
station hospital
station house
station hut
station identification
station interference
station jack
station keeping
station mark
station point
station pointer
station pole
station selector
station wagon
station-house
station-to-station
station-to-station call
stationary dive
stationary engine
stationary engineer
stationary engineering
stationary front
stationary orbit
stationary point
stationary state
stationary wave
stationery store
stations for diving
stations of the Cross
stations of the cross
statistical communication
statistical independence
statistical mechanics
statistical prediction
statistical probability
statistical survey
statistically probable
stato-
statu quo ante
statuary bronze
statuary marble
statue maker
statue making
statue of liberty
statue-blind
statue-bordered
statue-turning
statuelike repose
statues personal
status emphaticus
status in quo
status quo
status quo ante
status seeker
status symbol
status-seeking
statute book
statute fair
statute labor
statute law
statute merchant
statute mile
statute of limitations
statute roll
statute staple
statute-barred
statute-book
statutes mixed
statutory crime
statutory declaration
statutory law
statutory lien
statutory next of kin
statutory offense
statutory rape
statutory referendum
staunch belief
staunch friend
staunch friendship
stauro-
stave basket
stave in
stave oak
stave off
stave pipe
stave rhyme
stay alert
stay alive
stay aloof
stay at
stay at home
stay awake
stay away
stay away in droves
stay bar
stay boom
stay briefed
stay busk
stay chain
stay detached from
stay employed
stay for
stay foresail
stay girder
stay hole
stay in hiding
stay in line
stay in shape
stay in soundings
stay in the background
stay in the shade
stay inshore
stay it out
stay late
stay law
stay near
stay of execution
stay on
stay on the beam
stay on the treadmill
stay on your heels
stay on your tail
stay out
stay over
stay pin
stay plow
stay put
stay stitching
stay tackle
stay tap
stay the distance
stay tube
stay up
stay up for
stay up into the small hours
stay up late
stay with it
stay young
stay your hand
stay-a-while
stay-at-home
stay-bearer
stay-bolt
stay-in
stay-in strike
stay-log
stay-ship
stay-tape
staying over
staying power
staysail schooner
steadfast faith
steady market
steady nerves
steady pin
steady rest
steady so
steady state
steady state theory
steady temper
steady-eyed
steady-footed
steady-going
steady-handed
steady-handedness
steady-headed
steady-hearted
steady-looking
steady-minded
steady-nerved
steady-state theory
steady-state universe
steady-stream
steady as you go
steak and kidney pie
steak hammer
steak knife
steak raid
steak set
steak tartar
steak tartare
steal a march
steal a march on
steal a march upon
steal along
steal away
steal in
steal on the ear
steal the show
steal up on
steal your stuff
steal your thunder
steam at flank speed
steam bath
steam beer
steam blow
steam blower
steam boiler
steam boiler insurance
steam box
steam cabinet
steam carriage
steam case
steam chest
steam cleaner
steam cleaning
steam coal
steam cock
steam coil
steam color
steam condenser
steam cure
steam cylinder
steam digger
steam distillation
steam dome
steam dredger
steam drop
steam drop hammer
steam engine
steam engineer
steam engineering
steam excavator
steam feed
steam filature
steam fire engine
steam fit
steam fitter
steam fitting
steam fog
steam frigate
steam gas
steam gauge
steam gun
steam hammer
steam harvester
steam heat
steam heater
steam heating
steam in line
steam in line of bearing
steam injector
steam iron
steam jacket
steam jammer
steam joint
steam knife
steam lance
steam lap
steam launch
steam lead
steam line
steam locomotive
steam loop
steam mason
steam metal
steam molder
steam navvy
steam nigger
steam nozzle
steam organ
steam owner
steam packing
steam piano
steam pipe
steam piping
steam plow
steam point
steam port
steam power
steam press
steam printing
steam propulsion
steam pump
steam radiator
steam radio
steam ram
steam road
steam roller
steam room
steam schooner
steam shovel
steam sizes
steam sloop
steam stamp
steam still
steam table
steam tackle
steam thresher
steam trap
steam tug
steam turbine
steam twill
steam up
steam valve
steam vessel
steam whistle
steam yacht
steam-boiler
steam-cabinet
steam-cellar
steam-cabinet
steam-cleaned
steam-cooked
steam-cut
steam-distill
steam-dredge
steam-dried
steam-driven
steam-eating
steam-engine
steam-filled
steam-going
steam-heat
steam-heated
steam-lance
steam-lanced
steam-lancing
steam-laundered
steam-pocket
steam-processed
steam-propelled
steam-ridden
steam-roll
steam-roller
steam-shovel
steam-treated
steam-turbine
steam-turbine locomotive
steam-type
steam-wrought
steamboat Gothic
steamboat coal
steamboat gothic
steamboat ratchet
steamed pudding
steamed up
steamed up about
steamer anchorage
steamer basket
steamer captain
steamer chair
steamer clam
steamer contract
steamer crew
steamer cruise
steamer dock
steamer duck
steamer freight
steamer funnel
steamer hull
steamer landing
steamer lane
steamer line
steamer passenger
steamer port
steamer road
steamer route
steamer rug
steamer sailing
steamer service
steamer siren
steamer smoke
steamer smokestack
steamer subsidy
steamer ticket
steamer track
steamer traffic
steamer travel
steamer trunk
steamer voyage
steamer wharf
steamer whistle
steamer-borne
steaming up
steamroller methods
steamroller through
steamship coal
steamship company
steamship freight
steamship lane
steamship line
steamship mail
steamship office
steamship route
steamship service
steamship ticket
steamship traffic
steamship travel
steamship voyage
stearic acid
stearo-
stearoyl group
stearoyl radical
steat-
steato-
steel band
steel bar
steel baron
steel blue
steel bronze
steel company
steel concrete
steel construction
steel drawer
steel dresser
steel electrotype
steel emery
steel engraver
steel engraving
steel factory
steel fiber
steel glass
steel gray
steel grey
steel guitar
steel hand
steel lumber
steel magnate
steel man
steel manufacturer
steel manufacturing
steel master
steel measurer
steel merchant
steel mill
steel mirror
steel orchestra
steel pen
steel plate
steel presser
steel share
steel spring
steel square
steel string
steel town
steel trap
steel wire gauge
steel wool
steel yourself
steel-black
steel-blue
steel-bound
steel-bow
steel-bright
steel-cage
steel-cage construction
steel-capped
steel-cased
steel-clad
steel-clenched
steel-cold
steel-colored
steel-covered
steel-cut
steel-die printing
steel-digesting
steel-edged
steel-faced
steel-framed
steel-grained
steel-graven
steel-gray
steel-green
steel-hard
steel-hardened
steel-head
steel-headed
steel-hilted
steel-lined
steel-nerved
steel-pen
steel-plated
steel-pointed
steel-rimmed
steel-riveted
steel-shafted
steel-sharp
steel-shod
steel-strong
steel-studded
steel-tempered
steel-tipped
steel-tired
steel-topped
steel-trap
steeled against
steelhead trout
steep price
steep slope
steep-ascending
steep-backed
steep-bending
steep-descending
steep-down
steep-faced
steep-gabled
steep-hanging
steep-pitched
steep-pointed
steep-rising
steep-roofed
steep-scarped
steep-sided
steep-streeted
steep-to
steep-up
steep-walled
steep-yawning
steeped in iniquity
steeped in vice
steeple bellflower
steeple cup
steeple engine
steeple hat
steeple headdress
steeple hunt
steeple hunter
steeple hunting
steeple jack
steeple race
steeple racer
steeple racing
steeple skull
steeple-crown
steeple-crowned
steeple-head
steeple-high
steeple-house
steeple-jacking
steeple-loving
steeple-roofed
steeple-shadowed
steeple-shaped
steeple-studded
steeple-topped
steer a middle course
steer a straight course
steer an even course
steer away from
steer clear of
steer for
steer oar
steer toward
steerage passenger
steering arm
steering axle
steering box
steering bridge
steering column
steering committee
steering crutch
steering engine
steering fan
steering fork
steering gear
steering handle
steering head
steering joint
steering knuckle
steering lever
steering light
steering line
steering lock
steering oar
steering pillar
steering wheel
stego-
stellar cosmogony
stellar magnitude
stellar photometry
stellate-crystal
stellate-crystal fungus
stellate-pubescent
stem anchor
stem blight
stem borer
stem break
stem canker
stem cell
stem climber
stem cutting
stem duchy
stem eelworm
stem end
stem father
stem from
stem ginger
stem girdler
stem leaf
stem length
stem mother
stem rot
stem rust
stem sapper
stem sawfly
stem sickness
stem smut
stem stitch
stem the current
stem the flood
stem the tide
stem turn
stem work
stem-bearing
stem-bud
stem-clasping
stem-end rot
stem-sick
stem-wind
stem-winder
stem-winding
stem-winding watch
sten-
stench bomb
stench of decay
stench trap
stencil cutter
stencil cutting
stencil machine
stencil painting
stencil paper
stencil pen
stencil printing
steno saurys
steno-
stenographing machine
stent net
stent roll
step along
step aside
step backward
step bearing
step box
step by step
step chair
step cut
step dance
step dancer
step dancing
step down
step fault
step flight
step forward
step function
step gauge
step grate
step in
step into a fortune
step into the limelight
step into the place of
step into the shoes of
step joint
step lively
step of time
step off
step on
step on it
step on its tail
step on the gas
step on your corns
step on your toes
step out
step out of
step over
step rail
step rate
step rocket
step socket
step stool
step tap
step terrace
step to the fore
step to the front
step turn
step up
step up the ladder
step ward
step wheel
step-
step-and-repeat
step-back
step-back relay
step-by-step
step-by-step switching
step-cline
step-cone
step-cone pulley
step-cut
step-down
step-down transformer
step-in
step-ins
step-ladder
step-log
step-off
step-on
step-parent
step-up
step-up transformer
steppe cat
steppe disease
steppe murrain
steppe rue
stepped line
stepped-up
stepping in
stepping line
stepping pace
stepping stone
stepping-off
stepping-off place
stepping-out
stepping-stone
stepping-stones
steps and measures
stercoral ulcer
sterculia gum
stere-
stereo camera
stereo formula
stereo microphone
stereo-
stereophonic sound system
stereophonic system
stereoscopic microscope
stereospecific catalyst
stereospecific polymer
stereotyped behavior
stereotyped saying
sterling area
sterling bloc
sterling silver
stern anchor
stern-wheeler
sterno-
sterro metal
sterro-metal
stetho-
stevedore knot
stevedore's knot
stew in your own juice
stew over
steward's department
stewing chicken
sthula sharira
stib-
stibio-
stick around
stick around or about
stick at
stick at nothing
stick bean
stick bug
stick by
stick caterpillar
stick chair
stick close
stick closer than a brother
stick control
stick down
stick fast
stick figure
stick for
stick in
stick in the mud
stick in your craw
stick in your crop
stick in your gizzard
stick in your throat
stick insect
stick it
stick it out
stick lac
stick licorice
stick like a barnacle
stick like a leech
stick like a limpet
stick like a wet shirt
stick like glue
stick like the shadow of
stick like wax
stick of wood
stick out
stick out a mile
stick out like a sore thumb
stick out over
stick pin
stick rider
stick salve
stick shift
stick to
stick to it
stick to like a barnacle
stick to the
stick to the facts
stick to your colors
stick to your guns
stick to your knitting
stick to your last
stick together
stick up
stick up for
stick with
stick with it
stick your head in the sand
stick your long nose into
stick your neck out
stick your nose in
stick-at-it
stick-at-it-ive
stick-at-itive
stick-at-itiveness
stick-at-nothing
stick-back
stick-button
stick-candy
stick-dice
stick-ear
stick-in-the-mud
stick-jaw
stick-lac
stick-leg
stick-legged
stick-out
stick-ride
stick-to-it-iveness
stick-to-itive
stick-to-itably
stick-to-itness
stick-up
sticker-in
sticker-on
sticker-up
sticking out
sticking piece
sticking place
sticking plaster
sticking point
sticking power
sticking salve
sticking tommy
stickle for
sticks and stones
sticks, the
sticktight flea
stickup job
stickup man
sticky dog
sticky end
sticky fingers
sticky mess
sticky tape
sticky weather
sticky wicket
sticky willie
sticky-eyed
sticky-fingered
stiff as a poker
stiff as buckram
stiff aster
stiff bit
stiff breeze
stiff climb
stiff collar
stiff gentian
stiff market
stiff neck
stiff price
stiff temper
stiff wind
stiff-arm
stiff-armed
stiff-backed
stiff-bearded
stiff-bent
stiff-billed
stiff-bodied
stiff-bolting  
stiff-boned  
stiff-bosomed  
stiff-branched  
stiff-built  
stiff-clay  
stiff-collared  
stiff-docked  
stiff-dressed  
stiff-eared  
stiff-grown  
stiff-haired  
stiff-horned  
stiff-ironed  
stiff-jointed  
stiff-jointedness  
stiff-kneed  
stiff-lamb disease  
stiff-land  
stiff-leathered  
stiff-leaved  
stiff-legged  
stiff-limbed  
stiff-lipped  
stiff-minded  
stiff-mud  
stiff-neck  
stiff-necked  
stiff-necked pride  
stiff-neckedly  
stiff-neckedness  
stiff-plate  
stiff-pointed  
stiff-rimmed  
stiff-rumped  
stiff-rusting  
stiff-shanked  
stiff-skirted  
stiff-starched  
stiff-stretched  
stiff-swathed  
stiff-tailed  
stiff-uddered  
stiff-veined  
stiff-winged  
stiff-witted  
stiffen your backbone  
stiffening bar
stiffening order
stiffening truss
stiffleg derrick
stifle bone
stifle joint
stifle shoe
stifle-out
stigma disk
stigmatic grating spectrograph
stil-de-grain yellow
stilbene dye
stibine color
stiletto fly
stiletto heel
stiletto-proof
stiletto-shaped
still alarm
still and all
still as a mouse
still as a statue
still as death
still box
still camera
still head
still hunt
still life
still lifes
still liquor
still more
still photograph
still return
still room
still small voice
still small voice within
still trailer
still watcher
still water
still wine
still-admired
still-birth
still-born
still-burn
still-closed
still-continued
still-continuing
still-diminishing
still-existing
still-fish
still-fisher
still-fishing
still-florid
still-flowing
still-fresh
still-gazing
still-hunt
still-hunter
still-hunting
still-improving
still-increasing
still-life
still-life painter
still-life painting
still-living
still-new
still-pagan
still-pining
still-recurring
still-refuted
still-renewed
still-repaired
still-rocking
still-room
still-sick
still-slaughtered
still-stand
still-unmarried
still-vexed
still-watching
still-young
stilling box
stilling well
stilt bug
stilt palm
stilt petrel
stilt plover
stilt sandpiper
stilt wheel
stilt-legged
stimulus coefficient
stimulus error
stimulus generalization
stimulus threshold
stimulus word
stimulus-response
stimulus-response psychology
sting bladder
sting moth
sting nettle
sting of conscience
sting ray
sting to the quick
sting winkle
stinging capsule
stinging cell
stinging defeat
stinging hair
stinging nettle
stingless bee
stink ball
stink bell
stink bomb
stink brand
stink bug
stink cat
stink fly
stink gland
stink grass
stink in the nostrils
stink out
stink trap
stink up
stink-horn
stink-pot
stinking badger
stinking cedar
stinking clover
stinking drunk
stinking iris
stinking mayweed
stinking roger
stinking smut
stinky pinkie
stipple board
stipple engraving
stipple paper
stipple streak
stipulate for
stir about
stir bird
stir feelings
stir of air
stir one's blood
stir the blood
stir the embers
stir the feelings
stir the fire
stir up
stir up a hornet's nest
stir up trouble
stir your bile
stir your stumps
stir-fry
stir-up
stirred up
stirring up
stirring-up
stirrup bar
stirrup bone
stirrup cover
stirrup cup
stirrup dram
stirrup glass
stirrup iron
stirrup jar
stirrup leather
stirrup oil
stirrup pump
stirrup strap
stirrup-vase
stitch in the side
stitch of work
stitch rivet
stitch watermark
stitch wheel
stitching horse
stochastic independence
stochastic matrix
stock account
stock assessment
stock beer
stock beet
stock block
stock board
stock book
stock buckle
stock car
stock card
stock cattle
stock certificate
stock certificate
stock change
stock clerk
stock company
stock dealer
stock dealing
stock dividend
stock dove
stock duck
stock eagle
stock exchange
stock family
stock farm
stock farmer
stock farming
stock feeder
stock fire
stock footage
stock gillyflower
stock gold
stock guard
stock hawk
stock horse
stock in trade
stock insurance company
stock issue
stock ledger
stock list
stock lock
stock manipulation
stock margin
stock market
stock market quotations
stock note
stock of words
stock option
stock owl
stock pass
stock pigeon
stock pile
stock power
stock price
stock price index
stock prices
stock pump
stock purse
stock rail
stock raider
stock raising
stock rate
stock receipt
stock record
stock room
stock saddle
stock saying
stock shot
stock soap
stock solution
stock speculation
stock speculator
stock split
stock station
stock still
stock tackle
stock the mind
stock ticker
stock type
stock up
stock vaccine
stock whaap
stock whip
stock-blind
stock-broker
stock-car
stock-car race
stock-dove
stock-dumb
stock-exchange broker
stock-fish
stock-gillyflower
stock-in-trade
stock-job
stock-jobber
stock-jobbing
stock-route
stock-still
stock-taking
stock-work
stockbroker belt
stockholder of record
stocking board
stocking cap
stocking cutter
stocking cutter tool
stocking filler
stocking frame
stocking hose
stocking knitter
stocking knitting
stocking loom
stocking machine
stocking maker
stocking making
stocking mask
stocking needle
stocking sole
stocking spinner
stocking stitch
stocking stuffer
stocking the mind
stocking trimmer
stocking weaver
stocking-foot
stocking-frame
stockless anchor
stocks and bonds
stocks machine
stoech-
stoke the fire
stoke up
stoke-hole
stole fee
stole mesh
stole-shaped
stolen goods
stolen property
stom-
stomach ache
stomach bucket
stomach condition
stomach cough
stomach piece
stomach poison
stomach pump
stomach staggers
stomach sweetbread
stomach tooth
stomach tube
stomach ulcer
stomach upset
stomach worm
stomach-ache
stomach-achy
stomach-filling
stomach-formed
stomach-hating
stomach-healing
stomach-qualified
stomach-shaped
stomach-sick
stomach-soothing
stomach-tight
stomach-turning
stomach-twitched
stomach-weary
stomach-whetted
stomach-worn
stomat-
stomato-
stomodaeal food
stone age
stone ax
stone axe
stone bag
stone basil
stone bass
stone blue
stone boiling
stone bolt
stone borer
stone brake
stone bramble
stone breaker
stone breaking
stone brick
stone bruise
stone butter
stone canal
stone carver
stone cat
stone cell
stone china
stone circle
stone clover
stone coal
stone collar
stone color
stone contractor
stone coral
stone crab
stone crayfish
stone cricket
stone crusher
stone curlew
stone devil
stone dresser
stone dressing
stone falcon
stone fence
stone fern
stone fly
stone fox
stone fruit
stone grape
stone gray
stone green
stone grig
stone hammer
stone harmonicon
stone hawk
stone in your path
stone jug
stone leek
stone lichen
stone lifter
stone lily
stone lime
stone lugger
stone marten
stone mill
stone mint
stone money
stone oak
stone ocher
stone oil
stone orpine
stone owl
stone parsley
stone perch
stone picker
stone pine
stone pit
stone pitch
stone plover
stone proof
stone rag
stone roller
stone rue
stone run
stone runner
stone saw
stone sclerenchyma
stone sculpture
stone shifter
stone snipe
stone sucker
stone thrush
stone to death
stone toter
stone wall
stone wine
stone wire
stone writing
stone yellow
stone's throw
stone-arched
stone-asleep
stone-axe
stone-bladed
stone-blind
stone-blindness
stone-bow
stone-broke
stone-brown
stone-bruised
stone-buff
stone-built
stone-cleaving
stone-coated
stone-cold
stone-colored
stone-covered
stone-cutter
stone-cutting
stone-darting
stone-dead
stone-deaf
stone-deafness
stone-dumb
stone-dust
stone-eared
stone-eating
stone-edged
stone-eyed
stone-faced
stone-floored
stone-fruit
stone-ground
stone-hand
stone-hard
stone-headed
stone-horse
stone-lily
stone-lined
stone-living
stone-milled
stone-moving
stone-parsley
stone-paved
stone-pillared
stone-pine
stone-ribbed
stone-rolling
stone-roofed
stone-silent
stone-smickle
stone-still
stone-throwing
stone-using
stone-vaulted
stone-wall
stone-walled
stone-wallinq
stoned-horse
stoner-out
stoney gate
stony coral
stony heart
stony pit
stony-blind
stony-broke
stony-eyed
stony-faced
stony-hearted
stony-heartedly
stony-heartedness
stony-jointed
stony-pitiless
stony-toed
stony-winged
stool around
stool ball
stool end
stool land
stool pigeon
stool-ball
stooq-gallant
stooq-shouldered
stooping from your high place
stop at nothing
stop bath
stop bead
stop blowing
stop breathing
stop by
stop chorus
stop clause
stop clock
stop cold
stop consonant
stop dead
stop dead in your tracks
stop down
stop drill
stop finger
stop for breath
stop gauge
stop in
stop in your tracks
stop in or stop by
stop it
stop key
stop knob
stop light
stop list
stop log
stop looking
stop motion
stop needle
stop net
stop number
stop nut
stop odor
stop off
stop on
stop on a dime
stop order
stop out
stop over
stop payment
stop pin
stop plank
stop plate
stop press
stop rod
stop screw
stop seine
stop short
stop shot
stop spine
stop street
stop stroke
stop tester
stop the breath
stop the clock
stop the mouth of
stop thief
stop thrust
stop time
stop to consider
stop up
stop valve
stop volley
stop watch
stop wheel
stop work
stop your ears
stop your mouth
stop-and-go light
stop-cylinder press
stop-gap
stop-go
stop-loss
stop-loss order
stop-off
stop-open
stop-watch
stope drill
stopen bottle
stopped diapason
stopped flute
stopped up
stopper bolt
stopper hole
stopper knot
stopper's knot
stopping condenser
stopping knife
stopping out of time
stopping place
stopping train
storage battery
storage bellows
storage capacity
storage cell
storage device
storage disease
storage egg
storage heater
storage life
storage place
storage rot
storage space
storage spot
storage system
storage unit
storage wall
storax benzoin
storax family
store away
store card
store cheese
store clerk
store clothes
store detective
store dresser
store in the mind
store manager
store of knowledge
store order
store pay
store pig
store sign
store teeth
store the mind
store types
store up
store-bought
store-bought clothes
store-bought wear
store-boughten
store-room
store-ship
storefront school
storehouse of the mind
storehouse of words
stores ledger
storey house
storing the mind
stork's bill
stork's-bill
stork, the
stork-billed
stork-fashion
storm along
storm and stress
storm axis
storm bell
storm belt
storm boat
storm boot
storm breeder
storm cave
storm cellar
storm center
storm centre
storm cloud
storm clouds
storm coat
storm collar
storm cone
storm current
storm door
storm drain
storm drum
storm finch
storm flag
storm glass
storm gray
storm in
storm in a teacup
storm in a teapot
storm jib
storm kite
storm lane
storm lantern
storm mizzen
storm pennant
storm petrel
storm porch
storm rubber
storm sail
storm sash
storm serge
storm sewer
storm signal
storm stay
storm surge
storm thrush
storm track
storm tracking
storm trooper
storm troops
storm trysail
storm warning
storm wind
storm window
storm-armed
storm-beat
storm-beaten
storm-boding
storm-breathing
storm-cock
storm-drenched
storm-encompassed
storm-felled
storm-god
storm-laden
storm-lit
storm-portending
storm-presaging
storm-rent
storm-stayed
storm-swept
storm-tight
storm-tossed
storm-trooper
storm-washed
storm-wise
storm-worn
storm-wracked
storming party
stormy petrel
stormy weather
stormy winds
story element
story hour
story line
story post
story rod
story writer
story-teller
story-writing
story-wrought
stout fellow
stout heart
stout-armed
stout-billed
stout-bodied
stout-girthed
stout-hearted
stout-heartedly
stout-heartedness
stout-legged
stout-limbed
stout-looking
stout-minded
stout-ribbed
stout-sided
stout-soled
stout-stalked
stout-stomached
stout-winged
stout-worded
stove black
stove bolt
stove coal
stove distillate
stove enamel
stove glass
stove heating
stove in
stove length
stove lifter
stove oil
stove plant
stove poker
stove polish
stove-dried
stove-heated
stove-pipe
stove-warmed
stoved salt
stovepipe hat
stow away
stow down
stow it
stow net
stow-blade
stow-boating
straddle carrier
straddle mill
straddle pipe
straddle the fence
straddle truck
straddle-face
straddle-fashion
straddle-legged
straggle tooth
straggle-brained
stragling money
straight accent
straight across
straight ahead
straight and narrow
straight and narrow, the
straight angle
straight arch
straight arm lift
straight as a ruler
straight as an arrow
straight as an edge
straight away
straight bat
straight bill of lading
straight chain
straight chair
straight coil
straight course
straight deck
straight drama
straight face
straight fight
straight flush
straight forth
straight forward
straight from the shoulder
straight grain
straight hair shingle
straight jacket
straight joint
straight life insurance
straight line
straight man
straight matter
straight off
straight part
straight poker
straight razor
straight sailing
straight shooter
straight stall
straight stretch
straight thinking
straight ticket
straight time
straight to the mark
straight up
straight up and down
straight up-and-downness
straight whiskey
straight-arm
straight-backed
straight-barred
straight-barreled
straight-billed
straight-bitted
straight-bodied
straight-bodied
straight-cut
straight-drawn
straight-edge
straight-edged
straight-faced
straight-falling
straight-fibered
straight-flung
straight-flute
straight-fluted
straight-from-the-shoulder
straight-front
straight-going
straight-grained
straight-growing
straight-grown
straight-haired
straight-hairedness
straight-hemmed
straight-horned
straight-jointed
straight-laced
straight-lacedly
straight-leaved
straight-legged
straight-limbed
straight-line
straight-line-frequency
straight-lined
straight-made
straight-minded
straight-necked
straight-nosed
straight-out
straight-pull
straight-ribbed
straight-shaped
straight-shooting
straight-side
straight-sided
straight-sliding
straight-spoken
straight-stemmed
straight-stocked
straight-tail dog
straight-tailed
straight-thinking
straight-trunked
straight-tusked
straight-up
straight-up-and-down
straight-veined
straight-winged
straighten out
straighten up
straighten yourself out
straightway drill
strain at
strain band
strain diagram
strain ellipsoid
strain every nerve
strain every nerve and sinew
strain for
strain gauge
strain hardening
strain insulator
strain normal
strain sheet
strain the meaning
strain the muscles
strain the sense
strain the throat
strain the truth
strain the voice
strain theory
strain your attention
strain your credulity
strain your ears
strain your eyes
strain your invention
strained relations
strainer arch
strainer core
strainer gate
strainer vine
straining arch
straining beam
straining frame
straining piece
straining sill
strainslip cleavage
strait jacket
strait waistcoat
strait-besieged
strait-bodied
strait-braced
strait-breasted
strait-breeched
strait-chested
strait-clothed
strait-coated
strait-embraced
strait-jacket
strait-knotted
strait-lace
strait-laced
strait-lacedly
strait-lacedness
strait-lacer
strait-lacing
strait-necked
strait-sleeved
strait-tied
strait-toothed
strait-waistcoat
strait-waisted
straits dollar
strand fishery
strand flat
strand former
strand line
strand plover
strand rat
strand snipe
strand wolf
strange duck
strange particle
strange thing
strange to
strange to say
strange woman
strange-achieved
strange-clad
strange-colored
strange-composed
strange-disposed
strange-fashioned
strange-favored
strange-garbed
strange-looking
strange-met
strange-plumaged
strange-sounding
strange-tongued
strange-voiced
strange-wayed
stranger's gallery
strangers' gallery
strangle hold
strangled blade
strangler tree
strangulated hernia
strap bolt
strap brake
strap drill
strap fern
strap game
strap hammer
strap hinge
strap iron
strap joint
strap key
strap oil
strap oyster
strap rail
strap railroad
strap railway
strap watch
strap work
strap-hinge
strap-laid
strap-leaved
strap-oil
strap-shaped
strapping motion
strapping plate
strategic air force
strategic bombing
strategic line
strategic materials
strategic plan
strategic point
strati-
stratificational grammar
stratified charge engine
stratified discharge
stratigraphic geology
strato-
strato-cirrus
strato-cumulus
stratocumulus castellanus
stratocumulus castellatus
stratocumulus floccus
stratocumulus lenticularis
stratosphere balloon
stratus cloud
stratus cumuliformis
stratus fractus
stratus maculosus
stratus nebulosus
straw bail
straw ballot
straw basher
straw bass
straw bid
straw bidder
straw bond
straw boss
straw cat
straw color
straw death
straw drain
straw fiddle
straw hat
straw in the wind
straw man
straw needle
straw oil
straw plait
straw ride
straw sedge
straw splitter
straw stem
straw to show the wind
straw vote
straw wedding
straw wine
straw yellow
straw-barreled
straw-boss
straw-breadth
straw-built
straw-capped
straw-colored
straw-crowned
straw-cutting
straw-dried
straw-emboweled
straw-hatted
straw-laid
straw-necked
straw-plaiter
straw-plaiting
straw-roofed
straw-shoe
straw-splitting
straw-stuffed
straw-thatched
strawberry bass
strawberry blite
strawberry blond
strawberry blonde
strawberry borer
strawberry bush
strawberry cactus
strawberry clover
strawberry comb
strawberry crab
strawberry crown borer
strawberry crown moth
strawberry dish
strawberry fern
strawberry finch
strawberry fleabeetle
strawberry fly
strawberry geranium
strawberry guava
strawberry leaf
strawberry leaf blight
strawberry leaf roller
strawberry leaf spot
stream forth
stream function
stream gold
stream ice
stream jam
stream of air
stream of consciousness
stream of fashion
stream of light
stream of time
stream piracy
stream the log
stream tin
stream wheel
stream-bordering
stream-drive
stream-embroidered
stream-illumed
stream-line
stream-of-consciousness
stream-of-consciousness novel
streamer aurora
streamer fly
streaming light
streaming potential
streamline flow
streams of rain
streams of sweat
street Arab
street academy
street arab
street band
street broker
street certificate
street cleaner
street coach
street cry
street door
street dress
street elbow
street fight
street floor
street game
street girl
street market
street name
street of fallen women
street orderly
street organ
street people
street piano
street plate
street price
street railway
street singer
street sweeper
street urchin
street virus
street-bred
street-cleaning
street-door
street-pacing
street-raking
street-sold
street-sprinkling
street-sweeping
street-walker
streetcar line
strength change
strength deck
strength of mind
strength of purpose
strength of will
strengthbringing
strength-conferring
strength-decaying
strength-giving
strength-increasing
strength-inspiring
strength-restoring
strength-sustaining
strength-testing
strengthening lead
strengthening card
strept throat
streptothroat streptococcus tonsilitis
stress accent
stress and strain
stress arsis
stress diagram
stress group
stress of life
stress pattern
stress reaction
stress sheet
stress-strain
stress-strain curve
stress-verse
stressed skin
stretch away to
stretch fabric
stretch forth a helping hand
stretch forth your hand
stretch mill
stretch modulus
stretch of the imagination
stretch of time
stretch out
stretch pants
stretch stockings
stretch the legs
stretch the meaning
stretch the sense
stretch the truth
stretch to
stretch your legs
stretch your luck
stretch yourself
stretch-out
stretched out
stretched tight
stretched-out
stretcher bar
stretcher bond
stretcher-bearer
stretching course
stretching everywhere
stretching of the truth
stretching out
stretching piece
stretching your luck
stretching-out
striato-
stricken dumb
stricken in years
stricken with amnesia
stricken with years
strickle bar
strict attention
strict construction
strict constructionism
strict constructionist
strict discipline
strict interpretation
strict law
strict minded
strict neutrality
strict settlement
strictly between us
strictly cash
strictly decreasing function
strictly increasing function
strictly speaking
stride-legged
strident-voiced
striding compass
striding level
strife-breeding
strife-healing
strife-stirring
strike a balance
strike a bargain
strike a blow
strike a light
strike a pose
strike a responsive chord
strike a rich vein
strike against
strike all of a heap
strike an attitude
strike at
strike at the root of
strike back
strike benefit
strike bill
strike blind
strike block
strike board
strike camp
strike dead
strike down
strike dumb
strike enforcer
strike fault
strike figure
strike fire
strike hands
strike hard
strike home
strike in
strike in with
strike insurance
strike it lucky
strike it rich
strike joint
strike knife
strike me dead
strike measure
strike mute
strike note
strike off
strike off the roll
strike off the rolls
strike oil
strike out
strike out at
strike out for
strike out for yourself
strike pan
strike pay
strike plane
strike plate
strike radar scanner
strike root
strike root in
strike shift
strike slip
strike tent
strike terror into
strike the death knell of
strike the eye
strike the first blow
strike the flag
strike the mind
strike through
strike up
strike up a friendship
strike up a tune
strike up the band
strike upon
strike valley
strike while the iron is hot
strike with awe
strike with wonder
strike you
strike you as
strike you right
strike your colors
strike your fancy
strike your flag
strike zone
strike-a-light
strike-anywhere match
strike-out
striker boat
striker of poses
striker plate
striker-out
striker-up
striking alteration
striking angle
striking bag
striking base
striking board
striking circle
striking distance
striking hammer
striking out
striking pin
striking plate
striking reed
striking resemblance
striking solution
striking stile
striking success
striking train
striking-out machine
strikingly like
string along
string along with
string alphabet
string band
string bass
string bead
string bean
string block
string choir
string correspondent
string course
string development
string diapason
string figure
string galvanometer
string instrument
string insulator
string lead
string leaf
string line
string musician
string orchestra
string organ
string out
string pea
string plate
string player
string pottery
string proof
string pump
string quartet
string section
string stop
string telephone
string tie
string together
string tone
string trio
string up
string-binding
string-colored
string-soled
string-tailed
string-toned
stringed instrument
stringer bar
stringer lode
stringer plate
stringer strake
stringing course
stringing out
stringy kelp
stringy sap
stringy-bark
stringybark pine
stringing-out
strip artist
strip away
strip bare
strip cartoon
strip clean
strip club
strip count
strip cropping
strip down
strip farm
strip farming
strip for action
strip lighting
strip line
strip map
strip method
strip mill
strip mine
strip mining
strip of office
strip of rank
strip off
strip out
strip pit
strip planting
strip poker
strip printing
strip survey
strip tease
strip template
strip to the buff
strip you of your illusions
strip-crop
strip-cropping
strip-teaser
stripe blight
stripe canker
stripe rust
stripe smut
striped bass
striped grass
striped hyena
striped maple
striped marlin
striped snake
striped spermophile
striped squirrel
striped-leaved
stripped atom
stripped bare
stripped down
stripped of
stripped of illusion
stripped to the buff
stripper-harvester
stripping bare
stripping down
stripping liquor
stripping of rank
strive about
strive against
strive for
strive to
strive with
strobe light
strobe lighting
stroboscopic light
stroboscopic photography
stroke culture
stroke hole
stroke oar
stroke oarsman
stroke of death
stroke of lightning
stroke of luck
stroke of policy
stroke of the hour
stroke of the pen
stroke of wit
stroke of work
stroke play
stroke stitch
stroker-in
strolling gait
strolling minstrel
strolling player
strong accumulation point
strong argument
strong arm
strong as a horse
strong as a lion
strong as an ox
strong as brandy
strong as flesh and blood
strong as strong
strong belief
strong bid
strong breeze
strong derived set
strong drink
strong flair
strong gale
strong hand
strong in
strong interaction
strong language
strong man
strong market
strong meat
strong nerves
strong point
strong pull
strong relief
strong right hand
strong room
strong suit
strong water
strong waters
strong wind
strong-ankled
strong-arm
strong-arm man
strong-arm tactics
strong-armed
strong-armer
strong-backed
strong-bodied
strong-boned
strong-box
strong-breathed
strong-decked
strong-elbowed
strong-featured
strong-fibered
strong-fisted
strong-flavored
strong-handed
strong-headed
strong-jawed
strong-jointed
strong-limbed
strong-looking
strong-lunged
strong-man
strong-minded
strong-mindedly
strong-mindedness
strong-nerved
strong-pointed
strong-quartered
strong-ribbed
strong-scented
strong-seated
strong-set
strong-sided
strong-smelling
strong-stapled
strong-stomached
strong-tasted
strong-tasting
strong-tempered
strong-tested
strong-trunked
strong-voiced
strong-weak
strong-willed
strong-winged
strong-wristed
strongbox security
strontia digger
strontia process
strontian white
strontian yellow
strontium 90
strontium hydroxide
strontium monoxide
strontium nitrate
strontium oxide
strontium process
strontium salicylate
strontium unit
strontium white
strontium yellow
struck all of a heap
struck jury
struck measure
struck up
struck with
struck with surprise
structural botany
structural drag
structural engineer
structural engineering
structural fatigue
structural formula
structural gene
structural geology
structural grammar
structural iron
structural linguistics
structural meaning
structural mill
structural outline
structural polysaccharide
structural psychology
structural shop
structural steel
structural-steel
structure contours
struggle against
struggle for
struggle for existence
struggle up
struggle with
strung out
strung up
strut beam
strut your stuff
strutting piece
stub axle
stub feather
stub file
stub hoe
stub iron
stub mortise
stub nail
stub pen
stub short
stub shot
stub switch
stub tenon
stub tooth
stub track
stub twist
stub your toe
stub your toe upon
stub-bearded
stub-end
stub-end feeder
stub-pointed
stub-thatched
stub-toed
stub-wing stabilizer
stubble crop
stubble field
stubble goose
stubble mulch
stubble plow
stubble pulverizer
stubble quail
stubble rake
stubble shaver
stubble spurge
stubble-fed
stubble-loving
stubble-mulch farming
stubborn as a mule
stubborn fact
stubborn-chaste
stubborn-hard
stubborn-minded
stubborn-shafted
stubborn-stout
stubby-fingered
stucco pointer
stucco-adorned
stucco-fronted
stucco-molded
stucco-walled
stuck fast
stuck on
stuck on yourself
stuck-up
stuck-upness
stuck-upper
stuck-uppish
stuck-uppishness
stuck-uppy
stud block
stud bolt
stud book
stud box
stud chain
stud driver
stud fee
stud link
stud mating
stud poker
stud print
stud rivet
stud scab
stud screw
stud wall
stud wheel
stud-horse
stud-mare
stud-pink
stud-sail
studded tire
studding bolt
studding sail
studding-sail
studding-sail halyard bend
student adviser
student assistant
student council
student glider
student government
student hour
student lamp
student nurse
student pastor
student teacher
student teaching
student union
student volunteer
studhorse poker
studio apartment
studio couch
studio plant
study for
study group
study hall
study in still life
study to
study to be
study up
study up on
study with
study your part
study-bearing
study-bred
study-given
study-loving
study-racked
study-worn
stuff and nonsense
stuff chest
stuff engine
stuff gown
stuff hat
stuff in
stuff the mind
stuff the mind with
stuff up
stuff with knowledge
stuff yourself
stuff-chest
stuff-gownsman
stuff-over
stuffed cabbage
stuffed derma
stuffed eggs
stuffed grape leaves
stuffed peppers
stuffed shirt
stuffed to the gills
stuffed tomatoes
stuffed up
stuffed-over
stuffing and stripping
stuffing box
stuffing nut
stuffing-box recess
stuffy weather
stultify yourself
stumble on
stumble upon
stumbling block
stumbling stone
stumbling-block
stump bed
stump burning
stump da
stump excursion
stump extractor
stump foot
stump it
stump joint
stump jumper
stump mast
stump mortise
stump orator
stump puller
stump ranch
stump rot
stump speaker
stump speaking
stump speech
stump spud
stump sucker
stump tail
stump tenon
stump the country
stump topmast
stump tracery
stump tree
stump up
stump wood
stump work
stump-fingered
stump-footed
stump-jump
stump-jump plow
stump-jumping plow
stump-legged
stump-nosed
stump-rooted
stump-tail
stump-tailed
stump-tailed lizard
stumping tour
stunner hitch
stunt flier
stunt flying
stunt girl
stunt man
stunt woman
stupefied with boredom
stupefyingly boring
stupid ass
stupid grin
stupid thing
stupid work
stupid-acting
stupid-headed
stupid-honest
stupid-looking
stupid-sure
stuporous melancholia
stuporous with boredom
sturdy as an ox
sturdy-chested
sturdy-legged
sturdy-limbed
sturm und drang
styl-
style branch
style galant
style of writing
style pen
style sheet
style the hair
style-conscious
style-consciousness
styles of
stylistic analysis
stylo-
stylograph pen
stylographic pen
styloïd process
styour throw
styptic pencil
styralyl acetate
styrene resin
suan pan
suarrow nut
suave-looking
suave-mannered
suave-spoken
sub arid
sub for
sub judice
sub post office
sub rosa
sub specie aeternitatis
sub verbo
sub voce
sub-
sub-Andean
sub-Atlantic
sub-Carpathian
sub-Christian
sub-Himalayan
sub-Pontine
sub-Pyrenean
sub-agent
sub-arch
sub-assembly
sub-base
sub-constable
sub-district
sub-edit
sub-editor
sub-head
sub-human
sub-jugate
sub-lease
sub-let
sub-level
sub-lieutenant
sub-machine-gun
sub-man
sub-officer
sub-prefect
sub-rosa
sub-title
sub-treasurer
sub-treasury
sub-war
sub-zero
subacute rheumatism
subaerial deposit
subaltern genus
subarctic current
subassembly plant
subatomic particle
subatomic particles
subclavian artery
subclavian groove
subclavian vein
subclinical infection
subcloud car
subconscious drive
subconscious knowledge
subconscious mind
subconscious perception
subconscious self
subconscious urge
suberic acid
subero-
subhymenial layer
subject case
subject catalog
subject catalogue
subject for thought
subject index
subject matter
subject of thought
subject substantive
subject term
subject to
subject to a duty
subject to a fee
subject to a tax
subject to call
subject to close scrutiny
subject to death
subject yourself
substitution cipher
substitution deposit
substitution group
substitution tables
substitution therapy
substitution vein
subsurface tillage
subtarget machine
subtense bar
subterranean river
subtle body
subtle color
subtle distinction
subtle influence
subtle odor
subtle wit
subtle-brained
subtle-cadenced
subtle-fingered
subtle-headed
subtle-looking
subtle-meshed
subtle-minded
subtle-nosed
subtle-paced
subtle-scented
subtle-shadowed
subtle-souled
subtle-thoughted
subtle-tongued
subtle-witted
subtraction logarithm
subtraction mark
subtraction sign
subtractive color
subtractive primary
subtractive process
subtropical anticyclone
subtropical high
suburban market
subvalent electrons
subzero weather
succade gourd
succeed in
succeed to
succeed to the throne
succeed with
succes d'estime
succes de scandale
success fou
success story
successful advocate
successful defender
successful person
succession duty
succession of ideas
succession of thought
succession of time
succession state
succin-
succinic acid
succino-
succory blue
succumb to
such and such
such as
such being the case
such stuff as dreams are made on
such stuff as dreams are made on
such-and-such
such-like
suck dry
suck fly
suck in
suck into
suck off
suck out
suck the blood from
suck the blood of
suck up
suck up to
suck your blood
suck your breath
suck your wind
suck-
suck-bottle
suck-egg
suck-in
sucked dry
sucked into
sucker bait
sucker foot
sucker for
sucker list
sucker rod
sucket fork
sucking louse
sucking pig
sucking-fish
sucking-pig
sucking-pump
suckling pig
sucro-
suction anemometer
suction chamber
suction cleaner
suction cup
suction dredge
suction flask
suction hose
suction machine
suction pipe
suction primer
suction producer
suction pump
suction root
suction stop
suction stroke
suction sweeper
suction valve
sudan grass
sudden and quick in quarrel
sudden attack
sudden change
sudden death
sudden development
sudden impulse
sudden infant death syndrome
sudden or radical change
sudden pull
sudden thought
sudden turn
sudden-beaming
sudden-starting
sudden-whelming
sue at law
sue for
sue for divorce
sue out
sue to
suede cloth
suede gloves
suet pudding
suet refiner
suffer a misfortune
suffer an eclipse
suffer anguish
suffer for
suffer hanging
suffer hearing impairment
suffer hearing loss
suffer loss
suffer pain
suffer pangs of jealousy
suffer the consequences
suffer the penalty
sufferance wharf
suffering angst
suffering dread
suffering from amnesia
suffering nausea
suffice to yourself
sufficient condition
sufficient for
sufficient to
sufficient unto
suffused with light
sugar almond
sugar ant
sugar apple
sugar ash
sugar bag
sugar baker
sugar bakery
sugar basin
sugar bean
sugar beet
sugar bird
sugar bowl
sugar brake
sugar bush
sugar cake
sugar camp
sugar candy
sugar cane
sugar cookie
sugar corn
sugar daddy
sugar diabetes
sugar engineering
sugar fish
sugar-cane borer
sugar-cane gummosis
sugar-cane mosaic
sugar-cane root disease
sugar-cane smut
sugar-chopped
sugar-chopper
sugar-coat
sugar-coated
sugar-coating
sugar-colored
sugar-cured
sugar-destroying
sugar-growing
sugar-laden
sugar-lipped
sugar-loaded
sugar-loaf
sugar-loafed
sugar-loving
sugar-making
sugar-maple
sugar-maple borer
sugar-mouthed
sugar-plum
sugar-producing
sugar-sop
sugar-sweet
sugar-teat
sugar-tit
sugar-topped
sugar-water
sugar-yielding
sugared almond
sugarhouse molasses
sugaring off
suggest itself
suggest the earmarks of
suggestio falsi
suggestion therapy
suggestive of
sui generis
sui juris
suicidal despair
suicide clause
suicide club
suicide pact
suicide pilot
suicide plane
suicide squeeze
suicide squeeze play
suit and service
suit at law
suit case
suit court
suit down to the ground
suit in law
suit of armor
suit of clothes
suit service
suit the action to the word
suit the occasion
suit the season
suit the time
suit yourself
suit-dress
suitable for
suitable occasion
suitable time
suite of dances
suite of rooms
sujee-mujee
suji-muji
sulcato-
sulf-
sulfa drug
sulfa drugs
sulfanilic acid
sulfanilyl radical
sulfate paper
sulfate process
sulfate pulp
sulfide dye
sulfinyl group
sulfinyl radical
sulfite paper
sulfite process
sulfite pulp
sulfo group
sulfo radical
sulfo-
sulfonic acid
sulfonyl chloride
sulfur black
sulfur butterfly
sulfur dioxide
sulfur dye
sulfur trioxide
sulfur-bottom
sulfur-bottom whale
sulfur-colored
sulfur-flower
sulfur-yellow
sulfurated potash
sulfureted hydrogen
sulfuric acid
sulfuric anhydride
sulfuric ether
sulfurous acid
sulfurized potash
sulfonyl chloride
sulfonyl group
sulfonyl radical
sulky lister
sulky plow
sulky-shaped
sulla clover
sullage head
sullen looks
sullen rabies
sullen-browed
sullen-eyed
sullen-looking
sullen-natured
sullen-seeming
sullen-sour
sullen-visaged
sullen-wise
sulph-
sulpha drug
sulphanilic acid
sulphate green
sulphate paper
sulphate process
sulphate pulp
sulphate ultramarine
sulphato-
sulphide color
sulphide dye
sulphide toning
sulphindigotic acid
sulphine color
sulphine yellow
sulphite brown
sulphite pulp
sulpho salt
sulpho-
sulpho-acid
sulpho-salt
sulphocarbon oil
sulphon cyanine
sulphon cyanine black
sulphonic acid
sulphonium compound
sulphur acid
sulphur alcohol
sulphur bacteria
sulphur black
sulphur butterfly
sulphur candle
sulphur chloride
sulphur color
sulphur dioxide
sulphur dye
sulphur ether
sulphur family
sulphur granule
sulphur lime
sulphur match
sulphur monochloride
sulphur oil
sulphur olive oil
sulphur ore
sulphur paste
sulphur plant
sulphur rain
sulphur rose
sulphur shower
sulphur subchloride
sulphur toning
sulphur trioxide
sulphur vivum
sulphur water
sulphur whale
sulphur yellow
sulphur-bearing
sulphur-bellied
sulphur-bottom
sulphur-bottom whale
sulphur-breasted
sulphur-colored
sulphur-containing
sulphur-crested
sulphur-flower
sulphur-hued
sulphur-impregnated
sulphur-scented
sulphur-smoking
sulphur-tipped
sulphureo-
sulphureo-aerial
sulphuretted hydrogen
sulphuric acid
sulphurous acid
sultan flower
sultan red
sultana bird
sultana roll
sultry weather
sum and substance
sum of money
sum of things
sum to
sum total
sum und substance
sum up
sum up your case
sum-total
sum-up
sumac family
sumac wax
summa cum laude
summary court-martial
summary judgment
summary justice
summary negative
summary offence
summary proceeding
summation curve
summation method
summation tone
summer aster
summer barley
summer camp
summer cholera
summer complaint
summer coot
summer crookneck
summer cypress
summer day
summer dew grass
summer diarrhea
summer disease
summer duck
summer egg
summer ermine
summer fallow
summer finch
summer flounder
summer forest
summer grape
summer hail
summer haw
summer heat
summer heliotrope
summer herring
summer house
summer hyacinth
summer kitchen
summer lightning
summer lilac
summer oil
summer parlor
summer pudding
summer queening
summer rape
summer rash
summer redbird
summer resort
summer sausage
summer savory
summer school
summer sheldrake
summer snipe
summer snowflake
summer soldier
summer solstice
summer sore
summer spore
summer squash
summer stock
summer stone
summer suit
summer sweet
summer tanager
summer teal
summer theater
summer time
summer tree
summer truffle
summer wagtail
summer warbler
summer wheat
summer yellowbird
summer yellowlegs
summer's day
summer-bird
summer-blanced
summer-breathing
summer-brewed
summer-bright
summer-cloud
summer-dried
summer-fallow
summer-fed
summer-felled
summer-flowering
summer-grazed
summer-house
summer-leaping
summer-like
summer-lived
summer-loving
summer-made
summer-ripening
summer-seeming
summer-shrunk
summer-staying
summer-stir
summer-stricken
summer-sweet
summer-swelling
summer-threshed
summer-tide
summer-tilled
summer-time
summer-up
summer-weight
summing register
summing up
summing-up
summit canal
summit conference
summit level
summit yard
sun flag
sun fruit
sun gall
sun gear
sun gem
sun god
sun gods
sun grass
sun grebe
sun hat
sun helmet
sun hemp
sun in glory
sun in splendor
sun lamp
sun letter
sun letters
sun lounge
sun moss
sun pan
sun parlor
sun perch
sun picture
sun pillar
sun plane
sun plant
sun porch
sun power
sun print
sun printing
sun rose
sun shower
sun side
sun snake
sun spark
sun spider
sun spot
sun spurge
sun star
sun suit
sun tan
sun temperature
sun time
sun trap
sun tree
sun trout
sun valve
sun view
sun visor
sun watch
sun wheel
sun worship
sun worshiper
sun worshiping
sun yourself
sun-affronting
sun-arrayed
sun-awakened
sun-baked
sun-bathe
sun-bathed
sun-beat
sun-beaten
sun-begotten
sun-blackened
sun-blanched
sun-blind
sun-blistered
sun-blown
sun-born
sun-bred
sun-bright
sun-bringing
sun-broad
sun-bronzed
sun-brown
sun-browned
sun-clear
sun-confronting
sun-courting
sun-cracked
sun-crowned
sun-cure
sun-cured
sun-dazzling
sun-delighting
sun-descended
sun-dial
sun-drawn
sun-dried
sun-dry
sun-eclipsing
sun-excluding
sun-expelling
sun-exposed
sun-eyed
sun-faced
sun-feathered
sun-filled
sun-fish
sun-flagged
sun-flaring
sun-flooded
sun-fringed
sun-gazed
sun-gazing
sun-gilt
sun-god
sun-graced
sun-graze
sun-grazer
sun-grebe
sun-grown
sun-heated
sun-illumined
sun-kissed
sun-loved
sun-loving
sun-made
sun-marked
sun-melted
sun-nursed
sun-outshining
sun-pain
sun-painted
sun-paled
sun-praising
sun-printed
sun-projected
sun-ray
sun-red
sun-resembling
sun-scorched
sun-scorching
sun-shading
sun-shot
sun-shunning
sun-sodden
sun-specs
sun-spot
sun-staining
sun-steeped
sun-struck
sun-swart
sun-swept
sun-tanned
sun-tight
sun-up
sun-warm
sun-warmed
sun-withered
sunburst plaiting
sunburst pleats
sunday punch
sunday school
sunday-go-to-meeting
sunday-school
sunder tree
sundew family
sundra tree
sundry shop
sundry-colored
sundry-patterned
sundry-shaped
sunflower chest
sunflower oil
sunflower oil cake
sunflower tree
sunflower yellow
sung mass
sunk fence
sunk garden
sunk in iniquity
sunk in oblivion
sunk key
sunk relief
sunken garden
sunken part
sunken place
sunlight burner
sunn hemp
sunny side
sunny weather
sunny-clear
sunny-colored
sunny-faced
sunny-haired
sunny-looking
sunny-natured
sunny-red
sunny-side up
sunny-spirited
sunny-sweet
sunny-warm
sunray pleats
sunrise service
sunrise wall
sunrise watch
sunset brown
sunset clam
sunset glow
sunset gun
sunset of your days
sunset shell
sunset wall
sunset-blue
sunset-flushed
sunset-lighted
sunset-purpled
sunset-red
sunset-ripened
sunshine roof
sunshine-showery
sunshiny weather
sunspot cycle
sunspot numbers
sunspot period
sunspot zone
sunt tree
suo jure
suo loco
sup off
sup up
super cool
super royal
super royal octavo
super royal quarto
super-
super-acid
super-cooling
super-decompound
super-duper
super-pumper
super-royal
super-smooth
super-tanker
supercharged engine
supercilious superior
supercompression engine
superdense theory
superficial extension
superficial soundness
superficially sound
supergiant star
superheated air
superheterodyne circuit
superheterodyne receiver
superhigh frequency
superintendent engineer
superintendent general
superior conjunction
superior court
superior courts of Westminster
superior general
superior goods
superior planet
superior-general
superiority complex
superiors general
superiors-general
supernatural being
supernatural virtue
supernatural virtues
supernatural, the
supero-
supero-occipital
superposition principle
supersonic aerodynamics
supersonic combat plane
supersonic flight
supersonic flow detection
supersonic jet
supersonic research plane
supersonic rocket
supersonic speed
supersonic transport
supersonic wings
superstition-proof
superstructure deck
supervisory control
supper club
supple-jack
supple-kneed
supple-limbed
supple-mindred
supple-mouth
supple-sinewed
supple-sliding
supple-visaged
supple-working
supple-wristed
supplemental plumage
supplementary angle
supplementary angles
supplementary benefit
supplementary reserves
supplementary story
supply base
supply bond
supply clergy
supply depot
supply minister
supply of short-term funds
supply on hand
supply preacher
supply price
supply services
supply ship
supply support
supplying electricity
support for
support life
support line
support mission
support politically
support proper
support trench
support yourself
supporting actor
supporting cast
supporting character
supporting distance
supporting evidence
supporting instrumentalist
supporting player
supporting role
supporting treatment
supportive relationship
supportive therapy
supposing that
suppressed desire
suppressio veri
suppressor grid
suppurative arthritis
suppurative inflammation
supra-
supra-abdominal
supra-acromial
supra-aerial
supra-anal
supra-angular
supra-arytenoid
supra-auditory
supra-auricular
supra-axillary
supra-esophageal
supra-esophagal
supra-ethmoid
supra-intestinal
supracardinal vein
supralinear punctuation
supranational government
suprapartisan leadership
suprarational automatism
suprarational automatist
suprarenal gland
suprasegmental phoneme
suprasternal notch
supratrochlear nerve
supreme being
supreme commander
supreme court
supreme principle
supreme principle of pure reason
supreme sacrifice
supreme sauce
supreme soul
sur le tapis
sur-
sur-royal
suranal plate
surbased arch
surdo-mute
sure as can be
sure as death
sure as death and taxes
sure as fate
sure as hell
sure as shooting
sure as the devil
sure bet
sure card
sure crop
sure enough
sure loser
sure of yourself
sure sign
sure success
sure thing
sure winner
sure-aimed
sure-enough
sure-fire
sure-footed
sure-footedly
sure-footedness
sure-founded
sure-grounded
sure-nosed
sure-presaging
sure-refuged
sure-seeing
sure-set
sure-settled
sure-slow
sure-steeld
surest thing you know
surety bond
surf bum
surf caster
surf casting
surf clam
surf coot
surf duck
surf fish
surf line
surf plant
surf scoter
surf shiner
surf smelt
surf snipe
surf whiting
surf-battered
surf-beaten
surf-bound
surf-riding
surf-showered
surf-sunk
surf-swept
surf-tormented
surf-vexed
surf-washed
surf-wasted
surf-white
surf-worn
surface analyzer
surface anatomy
surface appearance
surface board
surface boundary layer
surface carburetor
surface card
surface color
surface condenser
surface cooler
surface density
surface energy
surface extension
surface fire
surface friction
surface friction drag
surface gauge
surface gravity
surface integral
surface layer
surface mail
surface measure
surface microscope
surface noise
surface of light and shade
surface of revolution
surface paper
surface plate
surface printing
surface quality
surface radar
surface railway
surface resistance
surface resistivity
surface rib
surface show
surface strain
surface structure
surface switch
surface tension
surface texture
surface wave
surface yeast
surface-active
surface-active agent
surface-bent
surface-bound electron
surface-coated
surface-damaged
surface-deposited
surface-dressed
surface-dry
surface-dwelling
surface-feeding
surface-hold
surface-printing
surface-scratched
surface-scratching
surface-to-air
surface-to-surface
surface-to-underwater
surfacing machine
surfeit water
surfeit-gorged
surfeit-slain
surfeit-swelled
surfeit-swollen
surfeit-taking
surge back
surge chamber
surge gap
surge of emotion
surge of sound
surge tank
surgeon apothecary
surgeon bird
surgeon commander
surgeon dentist
surgeon general
surgeon major
surgeon's knot
surgeon's saw
surgeons general
surgical anatomy
surgical boot
surgical dentistry
surgical diathermy
surgical hospital
surgical instrument
surgical intervention
surgical knife
surgical measure
surgical needle
surgical nurse
surgical operation
surgical shock
surgical spirit
surgical technique
surgical treatment
surmounted arch
surplice fee
surplus state
surplus value
surplus-age
surprise attack
surprise ending
surprise package
surprise party
surrealist tachism
surrealist tachist
surrender charge
surrender one's colors
surrender value
surrender your life
surround verge
sursum corda
surveillance radar
survey course
surveying sextant
surveyor general
surveyor's arrow
surveyor's chain
surveyor's compass
surveyor's dial
surveyor's level
surveyor's measure
survival of the fittest
survival rate
survival value
survive or perish
survivorship annuity
sus per coll
susceptible to
susceptive to
suspend judgment
suspend operations
suspended animation
suspended cadence
suspended sentence
suspend belt
suspense account
suspense drama
suspense ledger
suspense story
suspension bridge
suspension colloid
suspension insulator
suspension of civil rights
suspension of disbelief
suspension of hostilities
suspension periods
suspension point
suspension points
suspensive veto
suspensory ligament
suspensory veto
suspicion-proof
sussex spaniel
sustain a part
sustain someone's side
sustained action
sustained activity
sustained note
sustaining pedal
sustaining program
sustentation fund
suture needle
suum cuique
suwarrow nut
svarabhakti vowel
swab stick
swaddling bands
swaddling clothes
swaddling-band
swaddling-clothes
swaddling-clouts
swag belly
swag-bellied
swage block
swage bolt
swage-set
swagger coat
swagger stick
swagger-
swago bass
swallow an insult
swallow anything
swallow dive
swallow fish
swallow flycatcher
swallow hawk
swallow hole
swallow hook
swallow it
swallow plover
swallow roller
swallow shrike
swallow stone
swallow the bitter pill
swallow the pill
swallow thorn
swallow up
swallow warbler
swallow whole
swallow your dust
swallow your pride
swallow your words
swallow-fork
swallow-hole
swallow-tail
swallow-tailed
swallow-tailed coat
swallow-tailed kite
swallow-wing
swami house
swamp andromeda
swamp angel
swamp apple
swamp ash
swamp azalea
swamp bay
swamp beggar-tick
swamp birch
swamp black gum
swamp blackberry
swamp blackbird
swamp blueberry
swamp boat
swamp brake
swamp broom
swamp buggy
swamp buttercup
swamp buttonwood
swamp cabbage
swamp cedar
swamp chess
swamp chestnut oak
swamp cottonwood
swamp crake
swamp cypress
swamp deer
swamp dewberry
swamp dock
swamp dogwood
swamp elm
swamp evergreen
swamp fern
swamp fever
swamp globeflower
swamp gooseberry
swamp grape
swamp gum
swamp hare
swamp harrier
swamp hawk
swamp hellebore
swamp hen
swamp hickory
swamp holly
swamp honeysuckle
swamp hook
swamp hornbeam
swamp itch
swamp laurel
swamp lily
swamp locust
swamp loosestrife
swamp lover
swamp magnolia
swamp mahogany
swamp mallow
swamp maple
swamp milkweed
swamp moss
swamp oak
swamp ore
swamp owl
swamp partridge
swamp pheasant
swamp pine
swamp pink
swamp poplar
swamp post oak
swamp potato
swamp privet
swamp quail
swamp rabbit
swamp red bay
swamp robin
swamp rose
swamp rose mallow
swamp sassafras
swamp saxifrage
swamp silkweed
swamp sparrow
swamp spleenwort
swamp spruce
swamp squawweed
swamp sumac
swamp sunflower
swamp tea
swamp thistle
swamp tickseed
swamp tupelo
swamp turnip
swamp warbler
swamp white cedar
swamp white oak
swamp willow
swamp willow herb
swamp wire grass
swamp-dwelling
swamp-growing
swamp-loving
swamp-oak
swamping resistance
swan animalcule
swan boat
swan dive
swan goose
swan knight
swan maiden
swan mussel
swan neck
swan neck pediment
swan orchid
swan pan
swan potato
swan shift
swan shot
swan song
swan's down
swan's neck
swan's neck pediment
swan's-down
swan-bosomed
swan-clad
swan-drawn
swan-eating
swan-fashion
swan-hopper
swan-hopping
swan-like
swan-mark
swan-neck
swan-pan
swan-plumed
swan-poor
swan-proud
swan-sweet
swan-tuned
swan-upper
swan-upping
swan-white
swan-winged
swanking stick
swanskin calico
swap hook
swap horses
swap places with
sward-cut
sward-cutter
swarm cell
swarm over
swarm spore
swarm up
swarm with
swart star
swartkranz ape-man
swash bulkhead
swash channel
swash letter
swash plate
swathing band
swathing clothes
sway bar
sway boat
sway brace
sway bracing
sway pole
sway-
sway-back
sway-backed
swear and affirm
swear at
swear by
swear by bell
swear falsely
swear in
swear like a sailor
swear like a trooper
swear off
swear on the Bible
swear out
swear the truth
swear to
swear to God
swear to a belief
swear to goodness
swear-word
swearer-in
swearing off
sweat and slave
sweat and stew
sweat bath
sweat bee
sweat blood
sweat gland
sweat it
sweat it out
sweat leather
sweat like a horse
sweat like a trooper
sweat lodge
sweat of your brow
sweat off
sweat out
sweat over
sweat pad
sweat pants
sweat room
sweat shirt
sweat shop
sweat socks
sweat stock
sweat suit
sweat-house
sweater girl
sweater shop
sweating iron
sweating sickness
sweating stock
sweating system
sweating-sickness
swede turnip
swedish massage
swedish movements
swedish turnip
swee-swee
swee-sweet
sweep along
sweep aside all obstacles
sweep away
sweep check
sweep generator
sweep hand
sweep head
sweep mill
sweep net
sweep of time
sweep off your feet
sweep out
sweep plate
sweep point
sweep rake
sweep seine
sweep seining
sweep smelter
sweep the strings
sweep ticket
sweep under the rug
sweep up
sweep you off your feet
sweep-chimney
sweep-oar
sweep-second
sweeping change
sweeping net
sweeping process
sweeping score
sweeping statement
sweet William
sweet almond
sweet almond oil
sweet alyssum
sweet and pungent
sweet and sour
sweet as a nut
sweet as a rose
sweet as honey
sweet as sugar
sweet basil
sweet bay
sweet birch oil
sweet calamus
sweet cassava
sweet cherry
sweet chestnut
sweet chocolate
sweet cicely
sweet cider
sweet clover
sweet coltsfoot
sweet corn
sweet crab apple
sweet false camomile
sweet father of soft rest
sweet fern
sweet flag
sweet gale
sweet grass
sweet gum
sweet marjoram
sweet marten
sweet mock orange
sweet nature
sweet nothings
sweet oil
sweet oleander
sweet on
sweet orange
sweet patootie
sweet pea
sweet pepper
sweet pepperbush
sweet pitahaya
sweet potato
sweet reason
sweet reasonableness
sweet reed
sweet reed grass
sweet revenge
sweet savor
sweet scabious
sweet shop
sweet singer
sweet sixteen
sweet sleep
sweet smell
sweet sorghum
sweet spire
sweet spirit of nitre
sweet stand
sweet stuff
sweet sucker
sweet sultan
sweet talk
sweet talker
sweet temper
sweet tongue
sweet tooth
sweet upon
sweet vernal grass
sweet viburnum
sweet water
sweet william
sweet william catchfly
sweet wine
sweet woodruff
sweet words
sweet wormwood
sweet-almond
sweet-almond oil
sweet-and-sour
sweet-and-sour sauce
sweet-beamed
sweet-bitter
sweet-bleeding
sweet-blooded
sweet-breath
sweet-breathed
sweet-breathing
sweet-brier
sweet-bright
sweet-charming
sweet-chaste
sweet-complaining
sweet-conditioned
sweet-corn wilt
sweet-curd
sweet-dispositioned
sweet-eyed
sweet-faced
sweet-featured
sweet-field
sweet-flavored
sweet-flowered
sweet-flowering
sweet-flowing
sweet-gale
sweet-leafed
sweet-lipped
sweet-looking
sweet-minded
sweet-murmuring
sweet-natured
sweet-numbered
sweet-orange oil
sweet-pea streak
sweet-pickle
sweet-piercing
sweet-potato beetle
sweet-potato borer
sweet-potato scurf
sweet-potato sphinx
sweet-potato weevil
sweet-potato worm
sweet-recording
sweet-roasted
sweet-sacred
sweet-sad
sweet-savored
sweet-scented
sweet-seasoned
sweet-set
sweet-shaped
sweet-singing
sweet-smelled
sweet-smelling
sweet-smiling
sweet-sop
sweet-souled
sweet-sounded
sweet-sounding
sweet-sour
sweet-spoken
sweet-spun
sweet-suggesting
sweet-sweet
sweet-talk
sweet-talking
sweet-tasted
sweet-tasting
sweet-tempered
sweet-temperedly
sweet-temperedness
sweet-throat
sweet-throated
sweet-toned
sweet-tonued
sweet-toothed
sweet-touched
sweet-tulk
sweet-tuned
sweet-voiced
sweet-warbling
sweet-whispered
sweet-william
sweet-wort
sweeten the kitty
sweetheart agreement
sweetheart contract
sweetheart neckline
sweetie pie
sweetleaf family
sweetness and light
sweetness of life
sweetness und light
sweets candy
sweetwood bark
swell box
swell dash
swell front
swell head
swell it
swell mob
swell organ
swell out
swell pedal
swell piece
swell shark
swell the ranks of
swell with emotion
swell-
swell-butted
swell-front
swell-headed
swell-headedness
swell-mobsman
swelled head
swelled-gelatin
swelled-gelatin process
swelled-headed
swelled-headedness
swelling utterance
sweltering heat
swept deck
swept up
swept-back
swept-forward
swift as an arrow
swift boat
swift fox
swift moth
swift rate
swift shrike
swift-advancing
swift-brought
swift-burning
swift-changing
swift-concerted
swift-declining
swift-effected
swift-fated
swift-finned
swift-flowing
swift-flying
swift-foot
swift-footed
swift-frightful
swift-glancing
swift-gliding
swift-handed
swift-heelled
swift-hoofed
swift-judging
swift-lamented
swift-marching
swift-paced
swift-posting
swift-recurring
swift-revenging
swift-running
swift-rushing
swift-seeing
swift-sliding
swift-slow
swift-spoken
swift-starting
swift-stealing
swift-streamed
swift-swimming
swift-tongued
swift-winged
swiftering line
swill down
swill up
swill-bowl
swill-tub
swim against the current
swim bladder
swim bow
swim fin
swim fins
swim in
swim mask
swim suit
swim upstream
swim with the current
swim with the stream
swim with the tide
swim-bladder
swimmer's itch
swimming bath
swimming bell
swimming bladder
swimming costume
swimming crab
swimming eyes
swimming funnel
swimming hole
swimming of the head
swimming plate
swimming pool
swimming suit
swimming tank
swimming trunks
swimming upstream
swindle sheet
swine back
swine cress
swine dysentery
swine erysipelas
swine fever
swine flu
swine grass
swine itch
swine plague
swine pox
swine thistle
swine vesicular disease
swine's feather
swine-backed
swine-bread
swine-chopped
swine-cote
swine-eating
swine-faced
swine-headed
swine-mouthed
swine-pipe
swine-pox
swine-snouted
swine-stead
swine-stone
swine-sty
swing arm
swing at
swing back
swing band
swing bar
swing beam
swing boat
swing bolster
swing bolt
swing bridge
swing cart
swing chair
swing district
swing door
swing drawbridge
swing from one thing to another
swing gate
swing hammer crusher
swing in with
swing jack
swing joint
swing knife
swing leg
swing music
swing musician
swing on
swing open
swing plate
swing plow
swing round
swing round the circle
swing saw
swing shift
swing shifter
swing team
swing the deal
swing the stern
swing tool
swing toward
swing train
swing vote
swing wheel
swing-
swing-jointed
swing-swang
swing-tree
swing-wing
swinging bar
swinging basin
swinging boom
swinging both ways
swinging buoy
swinging compass
swinging door
swinging post
swinging ring
swinging toward
swinging voter
swingle staff
swingle tow
swingle-
swinging tow
swinish gluttony
swinish multitude
swipe at
swirl bob
swirl the senses
swish tail
swish-
swish-swash
swiss muslin
swiss roll
swiss steak
switch box
switch cane
switch cast
switch engine
switch grass
switch hitter
switch hook
switch knife
switch line
switch off
switch off the light
switch on
switch on the light
switch over
switch plant
switch plate
switch plug
switch rail
switch sorrel
switch stand
switch tail
switch tender
switch tenter
switch tower
switch yard
switch-hit
switch-hitter
switch-hitting
switch-horn
switch-over
switchblade knife
switchboard operator
switching circuit
switching eye
swivel block
swivel bridge
swivel chain
swivel chair
swivel eyes
swivel fabric
swivel gun
swivel hook
swivel jaw
swivel musket
swivel pin
swivel pipe
swivel plow
swivel shuttle
swivel silk
swivel spindle
swivel table
swivel union
swivel vise
swivel weaving
swivel-eyed
swivel-hooked
swivel-lock
swizzle stick
swollen belly
swollen diction
swollen head
swollen phrase
swollen with pride
swollen-cheeked
swollen-eyed
swollen-faced
swollen-glowing
swollen-headed
swollen-jawed
swollen-tongued
swooning-ripe
swoop down
swoop down on
swoop down upon
sword arm
sword bayonet
sword bean
sword belt
sword blade
sword breaker
sword cane
sword cut
sword cutler
sword cutlery
sword dance
sword dancer
sword dollar
sword fern
sword flag
sword flax
sword grass
sword guard
sword hand
sword hanger
sword hilt
sword in hand
sword kin
sword knot
sword law
sword lily
sword maker
sword mat
sword of Damocles
sword sedge
sword service
sword side
sword swallower
sword swallowing
sword tash
sword thrust
sword tip
sword-armed
sword-bearer
sword-bearership
sword-billed
sword-girded
sword-girt
sword-grass
sword-leaved
sword-play
sword-shaped
sword-tailed
swordfish sucker
sworn and affirmed
sworn enemy
sworn evidence
sworn off
sworn statement
sworn testimony
sworn to
swot up
swung dash
sycamore anthracnose
sycamore fig
sycamore maple
sycee silver
syenite-porphyry
syenitic gneiss
syllabic accent
syllabic character
syllabic meter
syllabic nucleus
syllabic peak
syllabic symbol
syllable name
syllogistic reasoning
sylvan deity
sylvic acid
sym-
symbol-using animal
symbolic books
symbolic code
symbolic language
symbolic logic
symbolic meaning
symbolic system
symbolical books
symbolist movement
symbolist verse
symbols of
symmetric difference
symmetric function
symmetric group
symmetric matrix
symmetric polynomial
symmetry axis of rotation
symmetry class
symmetry element
symmetry plane
sympathetic chord
sympathetic contact
sympathetic ink
sympathetic introspection
sympathetic ma
sympathetic magic
sympathetic nervous system
sympathetic ophthalmia
sympathetic response
sympathetic strike
sympathetic string
sympathetic vibration
sympathize with
sympathy strike
symphonic conductor
symphonic form
symphonic music
symphonic ode
symphonic poem
symphonie concertante
symphony band
symphony concert
symphony orchestra
symphyo-
symphysio-
symptom complex
symptomatic anthrax
symptomatic treatment
syn-
synaposematic mimicry
sync-generator
synchro receiver
synchro transmitter
synchro unit
synchro-
synchro-cyclotron
synchronic linguistics
synchronized shifting
synchronizing generator
synchronizing pulse
synchronizing separator
synchronizing signal
synchronous converter
synchronous machine
synchronous motor
synchronous orbit
synchrotron radiation
syncopated music
syncro-mesh
syndesmo-
synectics group
synneusis texture
synodic month
synonym dictionary
syntactic analysis
syntactic construction
syntactic meaning
syntactic structure
syntax language
syntectic magma
synthesis gas
synthetic cloth
synthetic detergent
synthetic division
synthetic dye
synthetic fabric
synthetic geometry
synthetic lacquer
synthetic philosophy
synthetic plasma
synthetic resin
synthetic rubber
synthetic textile
syntonic personality
syphil-
syphilitic arthritis
syphilitic meningoencephalitis
syphilitic paresis
syphilo-
syringo-
syro-
syrphid fly
syrphus fly
syrup of ipecac
system component
system components
system engineer
system engineering
system function
system of belief
system of beliefs
system of government
system of ideas
system of knowledge
system of oral communication
system of theories
system of values
system of weight
system stabilization
systematic amnesia
systematic botany
systematic theology
systematically terrorize
systemic insecticide
systems analysis
systems analyst
systems design
systems engineering
systems planning
systole and diastole
systolic hypertension
t aint
t b
t distribution
t formation
t square
t will
t'ai chi chu'an
t'ao t'ieh
t-bar lift
t-bone
t-man
t-shirt
trNA
ta ta
ta-ta
ta-zaung	tab key
tab of	taban puteh
tabby cat
tabby moth	tabby weave	tabby-cat heart	tabby-cat striation	tabernacle mirror	tabernacle work	tabes dorsales	tabes dorsalis	table base	table board	table book	table chair	table clothing	table cover	table cut	table d'hote	table decoration	table decorator	table dhote	table diamond	table engine	table glass	table knife	table lamp	table licence	table line	table linen	table money	table mountain	table napkin	table of contents	table of organization	table of prothesis	table of the Lord	table oil	table radio	table rapping
table round
table ruby
table salt
table saw
table service
table setting
table settle
table spar
table stake
table stone
table talk
table talker
table tennis
table the motion
table tilting
table tipping
table tomb
table tripod
table turning
table wine
table work
table-board
table-book
table-cloth
table-cut
table-cutter
table-cutting
table-faced
table-formed
table-hop
table-hopped
table-hopper
table-hopping
table-land
table-mountain pine
table-rapping
table-shaped
table-spoon
table-stone
table-tail
table-talk
table-topped
table-turning
tableau curtain
tableau vivant
tableaux vivants	tabled joint	tablet chair
tablet letter
tablet tea
tablet triturate
tablets of the memory
taboo language
taboo word	
tabor pipe
tabs of
tabs on			tabucki grass			tabula rasa			tabular iceberg			
tacca arrowroot			tacheo-
tachina fly			ta-
tachy case			tachy-
tacit consent		
tack bend
tack board
tack bumpkin
tack comb
tack down wind		
tack duty
tack hammer
tack line
tack on
tack pin
tack rivet
tack room
tack together
tack up
tack weld
tack welder
tack welding
tacketing gut
tacking needle
tackle block
tackle board
tackle fall
tackle house
tackle post
tackles back formation
tacky party
tacnodeRare	
tactical air force	
tactical bombing
tactical evolutions

tactical maneuvers

tactical nuclear weapons

tactical plan

tactical police

tactical unit

tactical support bomber

tactile amnesia

tactile cell

tactile corpuscle

tactile hair

tactile organ

tactile process

tactile sense

tadpole fish

tadpole-shaped

tae-kwan-do

taedium vitae

taenii-

taenio-
taffeta weave

taffrail log

taffy pull

tag addresser

tag after

tag alder

tag along

tag and rag

tag boat

tag dance

tag day

tag end

tag line

tag on

tag up

tag, rag, and bobtail

tag-addressing

tag-affixing

tag-dating

tag-marking

tag-rag

tag-stringing

tagged atom

tagged element

tagmemic analysis

tagrag and bobtail

tai-ping

tail barley
tail bay
tail beam
tail block
tail boom
tail coat
tail cone
tail covert
tail end
tail fan
tail fin
tail fly
tail force
tail gate
tail grab
tail grape
tail group
tail gunner
tail hook
tail house
tail in a gate
tail joist
tail lamp
tail lock
tail off
tail pipe
tail pit
tail plane
tail print
tail rhyme
tail rod
tail rope
tail rotor
tail set
tail shaft
tail skid
tail slide
tail spin
tail spindle
tail stinger
tail tackle
tail unit
tail water
tail wheel
tail wind
tail-board
tail-chasing
tail-cropped
tail-decorated
tail-docked
tail-end
tail-glide
tail-heavy
tail-high landing
tail-joined
tail-low landing
tail-piece
tail-pipe burner
tail-race
tail-rhymed
tail-ropes
tail-switching
tail-tied
tail-wagging
tailed frog
tailed sonnet
tailed toad
tailings auger
taille-douce
tailless airplane
tailless jet
tailor warbler
tailor's chalk
tailor's-tack
tailor-bird
tailor-built
tailor-cut
tailor-legged
tailor-made
tailor-mades
tailor-make
tailor-making
tailor-suited
tailored suit
taint-free
taint-worm
taintor gate
tais toi
take French leave
take a Sunday drive
take a back seat
take a bow
take a break
take a call
take a careful look
take a chance
take a close look
take a course
take a crack at
take a crap
take a cursory view of
take a dare
take a decision
take a dim view of
take a dislike to
take a dive
take a drop
take a drop too much
take a fall
take a fancy to
take a favorable turn
take a flier
take a flight
take a fling at
take a flop
take a fresh lease on life
take a further look
take a gamble on
take a glance at
take a hand
take a hand in
take a header
take a heading
take a holiday
take a journey
take a joyride
take a leaf out of
take a leaf out of your book
take a leap in the dark
take a leave of absence
take a liberty
take a likeness
take a liking to
take a lively interest
take a long
take a look at
take a nap
take a new lease on life
take a part
take a peek
take a peep
take a percentage
take a photograph
take a picture
take a poke at
take a pop at
take a potshot
take a powder
take a pratfall
take a premium
take a prompt
take a random sample
take a rap
take a reading
take a recess
take a reef
take a resolution
take a rest
take a rubbing
take a runout powder
take a second look
take a set
take a shine to
take a shit
take a short cut
take a shot at
take a shy at
take a sight
take a spill
take a squint at
take a stand
take a straw vote
take a stretch
take a swing at
take a swipe at
take a trip
take a tumble
take a turn
take a turn for the better
take a voyage
take a walk
take a whack at
take a whiff of
take a wrong turn
take a wrong turning
take aback
take account of
take action
take advantage of
take advice
take after
take aim
take aim at
take alarm
take all of
take amiss
take an active part in
take an approach to
take an assumed name
take an attitude
take an aversion to
take an interest
take an interest in
take an overdose
take and do
take another look
take apart
take arms
take as a matter of course
take as a model
take as a precondition
take as a reason
take as an excuse
take as an occasion
take as demonstrated
take as gospel truth
take as proved
take aside
take at face value
take at your word
take away
take away from
take away your breath
take back
take bearings
take before the judge
take birth
take by assault
take by storm
take by surprise
take by the beard
take by the button
take by the hand
take by the lapel
take by the throat
take captive
take care
take care of
take care of number one
take center stage
take chances
take charge
take charge of
take charge of your destiny
take cognizance of
take cold
take comfort
take command
take counsel
take counsel of your pillow
take counsel with
take courage
take cover
take cover under
take credit
take dead aim at
take delight in
take doing
take down
take down a peg
take down a peg or two
take down in shorthand
take effect
take exception
take exception to
take fire
take five
take flight
take for
take for a ride
take for a sucker
take for better or for worse
take for gospel
take for granted
take for your own
take for yourself
take form
take forty winks
take fright
take from
take good care
take great satisfaction
take heart
take heart of grace
take heed
take heed at your peril
take heed of
take hold
take hold of
take hold of one
take hold of you
take holy orders
take horse
take ill
take in
take in a reef
take in bad part
take in exchange
take in good part
take in hand
take in sail
take in the sights
take in tow
take in vain
take in your stride
take into account
take into camp
take into consideration
take into custody
take into employment
take into your head
take into your service
take issue
take issue with
take it
take it all
take it as given
take it easy
take it in your stride
take it into your head
take it like a man
take it lying down
take it on the chin
take it on the lam
take it or leave it
take it out of
take it out of your hide
take it out of your skin
take it out on
take it that
take its place
take its rise
take its rise from
take kindly to
take leave
take leave of
take leave of your senses
take legal proceedings against
take lessons
take liberties
take liberties with
take life
take life easy
take line
take lying down
take measures
take medicine
take merit to yourself
take narrow views
take no account of
take no denial
take no interest in
take no note of
take no notice of
take no part in
take no stock in
take no thought of
take no thought of the morrow
take no thought of tomorrow
take note
take note of
take notice
take notice of
take nourishment
take oath
take off
take off a high
take off after
take off for
take off on
take off weight
take off your hands
take off your hat to
take off your shoes
take offense
take office
take on
take on credit
take on faith
take on over
take on trust
take on weight
take on yourself
take one over
take one step at a time
take one's breath away
take one's life
take order
take orders
take origin
take out
take out after
take out from under wraps
take out insurance
take out membership
take out of mothballs
take out on
take over
take over for
take pains
take part in
take part with
take pen in hand
take pity on
take pity upon
take place
take pleasure in
take position
take possession
take possession of
take potluck
take precautions
take precedence
take pride in
take prisoner
take rank
take refuge
take refuge in
take residence at
take rest
take revenge
take rise
take root
take shame
take shape
take shelter
take ship
take short
take sick
take sides
take sides with
take silk
take snuff
take some doing
take something in your stride
take soundings
take steps
take steps and measures
take stock
take stock in
take stock of
take ten
take the Lord's name in vain
take the air
take the air line
take the attitude
take the average
take the back track
take the bait
take the ball on the rebound
take the bit in
take the bit in the teeth
take the bit in your teeth
take the bite out
take the blame
take the breath away
take the bull by the horns
take the cake
take the chair
take the chance
take the chances of
take the chill off
take the consequences
take the count
take the cross
take the cure
take the dimensions of
take the edge off
take the edge off of
take the fancy of
take the field
take the first step
take the floor
take the good the gods provide
take the ground
take the ground from under
take the heart out of
take the helm
take the initiative
take the last count
take the law in your own hands
take the law into your own hands
take the law of
take the law on
take the lead
take the liberty
take the lid off
take the life of
take the load off your mind
take the mantle of
take the marriage vows
take the mean
take the measure
take the measure of
take the mind off of
take the offensive
take the opportunity
take the part of
take the place of
take the pledge
take the plunge
take the rap
take the rap for
take the reciprocal course
take the reins into your hand
take the reins of government
take the responsibility
take the risk
take the road
take the shape of
take the shine out of
take the starch out of
take the sting out
take the sting out of
take the stump
take the bull by the horns
take the throne
take the tuck out of
take the veil
take the vows
take the wind out of
take the wind out of your sails
take the words out of your mouth
take the wraps off
take things as they come
take thought of
take time
take time by the forelock
take time out
take to
take to account
take to arms
take to be
take to court
take to drink
take to drinking
take to flight
take to heart
take to mean
take to one's heels
take to pieces
take to task
take to the air
take to the airways
take to the bosom
take to the cleaners
take to the hustings
take to the road
take to the stump
take to wife
take to your arms
take to your heels
take to yourself a wife
take trouble
take turns
take umbrage
take unawares
take under active consideration
take under advisement
take under consideration
take under your wing
take up
take up a side
take up again
take up an inquiry
take up and pay off
take up arms
take up membership
take up residence
take up the cause of
take up the cudgels
take up the cudgels against
take up the cudgels for
take up the gauntlet
take up the hatchet
take up the sword
take up time
take up with
take up your abode
take up your option
take up your quarters
take up your thoughts
take up your time
take upon your shoulders
take upon yourself
take vows
take what comes
take wing
take with a grain of salt
take wrong
take you at your word
take you back
take you up on
take your bearings
take your breath away
take your business to
take your case to the public
take your chance
take your choice
take your constitutional
take your cue from
take your death
take your departure
take your dust
take your ease
take your fancy
take your foot off the gas
take your hat off to
take your head off
take your last breath
take your last sleep
take your leave
take your leisure
take your life away
take your life in your hand
take your life in your hands
take your lumps
take your measure
take your medicine
take your oath
take your oath upon
take your opinions ready-made
take your own course
take your own life
take your own sweet time
take your picture
take your place
take your pleasure
take your position
take your punishment
take your sabbatical
take your stand
take your stand against
take your stand upon
take your time
take your trade to
take your turn
take your way
take your word
take your word for
take yourself away
take yourself off
take-
take-all
take-charge
take-charge guy
take-down
take-home
take-home examination
take-home pay
take-in
take-off
take-off booster
take-off rocket
take-off speed
take-off strip
take-out
take-over
take-up
take-up box	
taken aback	
taken as granted	
taken away	
taken by surprise	
taken for granted	
taken ill	
taken off	
taken on	
taken unawares	
taken up	
taken up with	
taken with	
takeoff power	
takeoff ramp
takeoff rocket
takeoff run
takeout double	
taker-down
taker-in
taker-off
taking a part
taking a role
taking all in all
taking all things together
taking apart
taking away
taking by storm
taking down
taking everything into account
taking exception
taking from under wraps
taking in
taking into account
taking into account that
taking into custody
taking it for all in all
taking leave
taking of life
taking off
taking office
taking on
taking one thing with another
taking or drawing out
taking over
taking place
taking possession
taking the wraps off
taking ways
taking-in
tal-laisim
talba gum
talc bag
talc blank
talc brick
talc crayon
talc cube
talc facing
talc pencil
talc pulverizer
talc schist
talc-grinding
talca gum
talco gum

talcum powder
tale-teller
tale-telling
taleh gum
talent money
talent scout
talent show
talented person
talha gum
talk about
talk against time
talk at
talk away
talk back
talk beans
talk between ships
talk big
talk dirty
talk double Dutch
talk down
talk down to
talk film
talk highfalutin
talk idly
talk in
talk in superlatives
talk incoherently
talk into
talk nineteen to the dozen
talk nonsense
talk of
talk of the town
talk off the top of your head
talk on
talk out
talk out of
talk out of turn
talk over
talk over the back fence
talk round
talk show
talk the hind leg off a mule
talk through your hat
talk to
talk to death
talk to hear your head rattle
talk to in private
talk to yourself
talk together
talk too much
talk turkey
talk up
talk with
talk with one
talk with you in private
talk you around
talk you deaf and dumb
talk you into a fever
talk you to death
talk your ear off
talk your head
talk your head off
talk yourself hoarse
talk yourself out of breath
talk-back
talkative person
talked about
talked-about
talked-of
talkee-talkee	alking book
talking chief
talking down
talking machine
talking out of
talking picture
talking point
talking through your nose	alking to hear yourself talk
talking-down system
talking-to
talking-tos	alky-talk
talky-talky
tall as a maypole	all coreopsis	all drink	all fescue	all meadow oat	all meadow rue
tall oat grass	all oil	all order	all person	all poppy
tall ship
tall story
tall sunflower
tall tale
tall talk
tall-bodied
tall-built
tall-case clock
tall-chimneyed
tall-columned
tall-corn
tall-elled
tall-growing
tall-looked
tall-masted
tall-master
tall-necked
tall-pillared
tall-sceptered
tall-sitting
tall-spired
tall-stalked
tall-stemmed
tall-trunked
tall-tussocked
tall-wheeled
tallith katan
tallow bayberry
tallow candle
tallow catch
tallow chamnder
tallow chandlery
tallow chandling
tallow cooler
tallow crackling
tallow cup
tallow cutter
tallow dip
tallow drop
tallow gourd
tallow loaf
tallow mange
tallow melter
tallow nut
tallow oil
tallow pot
tallow press
tallow refiner
tallow renderer
tallow sampler
tallow shrub
tallow tree
tallow wood
tallow-chandlering
tallow-colored
tallow-cut
tallow-face
tallow-faced
tallow-hued
tallow-lighted
tallow-pale
tallow-top
tallow-topped
tallow-white	
tally board
tally card
tally clerk
tally iron
tally of
tally plan
tally room
tally sheet
tally shop
tally stick
tally trade
tally up
tally walk
tally with
tally-ho
tallyho back
tallyho coach
tallyho over
talmi gold
talon-tipped	
tam o’ shanter			
tam o’shanter			
tam-o'-shanter			
tam-o’shanter			
tam-o-shanter			
tam-o-shantered			
tam-tam								
tamale pie				
tamarack pine						
tamarind fish						
tamarind plum						
tamarisk family
tamarisk salt
tamarisk salt tree
tamarix family
tambookie grass
tambour clock
tambour lace
tambour stitch
tambour stitcher
tambour work
tame-grief
tame-grown
tame-lived
tame-looking
tame-minded
tame-natured
tame-spirited
tame-witted
tammie norie
tammy cloth	
tamp in
tamper with	
tampered with
tamping bar
tamping iron
tamping pick
tamping stick
tan bay
tan oak
tan your hide
tan-burning	
tan-colored
tan-faced
tan-mouthed
tan-sailed
tan-skinned
tan-strewn
tan-tan
tan-tinted
tan-trodden	
tanbark beetle
tanbark oak
tanbark tree
tandem bicycle
tandem cart
tandem plane
tandem rotors
tandem seat
tandem-compound
tandem-punch
tandem-rotor helicopter
tang chisel
tang end
tangent distance
tangent galvanometer
tangent plane
tangent-cut
tangent-saw
tangent-sawed
tangent-sawing
tangent-sawn	
tangential motion
tangerine-colored	
tangible assets	
tangle picker	
tangle up with	
tangle with	
tangle-haired	
tangle-headed	
tangle-legs	
tangle-tail	
tangle-tailed	
tangled in	
tangled skein	
tank car	
tank circuit	
tank corps	
tank corpsman	
tank crewman	
tank destroyer	
tank dome	
tank drama	
tank driver	
tank engine	
tank farm	
tank farming	
tank fighter	
tank furnace	
tank iron	
tank liquor	
tank locomotive	
tank meter	
tank nipple	
tank rivet	
tank runner	
tank ship	
tank station
tank suit
tank table
tank top
tank town
tank trailer
tank truck
tank up
tank wagon
tank waste
-tank town
tankard bearer
tankard-bearing
tanker ship
tannery fungus
tannic acid
tannin color	
tanning extract
tannyl acetate	
tansy mustard
tansy oil
tansy ragwort
tant mieux
tant pis
tant soit peu
tantalic acid
tantalum lamp
tao-tieh
tap bell
tap bolt
tap bond
tap borer
tap chuck
tap cinder
tap cutter
tap dance
tap dancer
tap dancing
tap dressing
tap drill
tap extractor
tap funnel
tap gauge
tap grinder
tap holder
tap hose
tap line
tap out the rhythm
tap rate
tap reamer
tap rivet
tap screw
tap shoe
tap tool
tap water
tap wrench
tap-dance
tap-danced
tap-dancer
tap-dancing
tap-hole
tap-house
tap-lash
tap-off
tap-pickle
tap-room
tap-root
tap-tap
tap-tap-tap
tapa cloth
tape cartridge
tape cassette
tape deck
tape fern
tape grass
tape machine
tape measure
tape memory
tape needle
tape player
tape price
tape reader
tape reading
tape recorder
tape recording
tape sizer
tape sizing
tape thermometer
tape-bound	
tape-grass family
tape-printing
tape-record
tape-slashing
tape-tied
tape-tying	
taped program
tapis vert
tapped joint
tapper tap
tapper-out
tappet motion
tappet rod
tappet wrench	
tapping chuck
tapping clay
tapping drill
tapping hole
tapping key
tapping screw
tappit hen
tappit-hen	
tapsal-teerie	
tapsie-teerie
tar acid	
tar and feather
tar baby
tar base
tar boy
tar bucket
tar camphor
tar cancer
tar concrete
tar distillate
tar distiller
tar drum
tar kettle
tar macadam
tar number
tar oil
tar on
tar paper
tar pavior
tar pool	
tar putty
tar sand
tar soap
tar spot
tar sprayer	
tar still
tar water
tar well	
tar-and-feathering
tar-barrel	
tar-bedaubed
target range
target rifle
target rod
target shaft
target spot
target values
target-shy
target-tower
target-tug	
tariff duty
tariff law
tariff maker
tariff making
tariff reform
tariff reformer
tariff treaty
tariff wall
tariff-born
tariff-bound
tariff-fed
tariff-protected
tariff-raised
tariff-raising
tariff-reform
tariff-regulating
tariff-ridden
tariff-tinkering
tariff-wise	
tarn-brown
tarpaulin muster
tarpaulin-covered
tarpaulin-lined	
tarragon oil
tarragon vinegar
tarred with the same brush
tarry for
tarry-breeks
tarry-fingered
tarry-jacket
tarrying irons
tarso-
tarso-metatarsal
tarso-metatarsus
tarso-orbital	
tart up	
tartan velvet
tartan-purry
tartar emetic
tartar sauce
tartar steak
tartar yeast
tartare sauce
tartare steak
tartaric acid
tartro-
task force
task group
task the mind with
task time
task wage
task with
task-work
tasmanian devil
tasmanian wolf	assel bush	assel flower	assel grass	assel hand	assel hyacinth	assel mold	assel plant	assel pondweed	assel stitch	assel tree	assel weaver	assel-hung	aste beaker	aste blood	aste bud	aste bulb	aste cell	aste cup	aste goblet	aste good	aste hair	aste in the mouth	aste like	aste like ashes in the mouth	aste of	aste paper	aste-maker	at tvam asi	at-tat	at-tat-tat	atou peba	attie bogle
tattie lifting
tattle on
tattletale gray	
tattoo mark
tatty-peelin	
tau cross
tau staff
tau-meson
tau-saghyz
tau-topped
taunt ship
taunt with
taunt-masted
taunt-rigged
taupe brown	
taupe-rose
tauro-
taurocholic acid
taut as a bowstring
taut-
tauto-
tavern car
tavern table
tavern token
tavern-gotten
tavern-hunting
tavern-tainted
taw line
tawdry lace
tawed leather	
tawny owl
tawny port
tawny-brown
tawny-coated
tawny-colored
tawny-faced
tawny-gold	
tawny-gray
tawny-green
tawny-haired
tawny-moor
tawny-olive
tawny-skinned
tawny-tanned
tawny-visaged
tawny-whiskered
tawny-yellow	
tax anticipation note
tax assessor
tax avoidance
tax base
tax benefit
tax bond
tax book
tax cart
tax certificate
tax collecting
tax collector
tax collectors
tax credit
tax deduction
tax deed
tax dodger
tax dodging
tax evader
tax evasion
tax exemption
tax farmer
tax haven
tax layer
tax levy
tax lien
tax list
tax money
tax rate
tax receiver
tax return
tax roll
tax sale
tax shelter
tax stamp
tax stamp n
tax structure
tax taker
tax the memory
tax title
tax with
tax withholding
tax write-off
tax your energies
tax yourself
tax-
tax-born
tax-bought
tax-burdened
tax-cart
tax-deductible
tax-dodging
tax-exempt
tax-exempt bond
tax-exempt status
tax-free
tax-free bond
tax-gatherer
tax-laden
tax-levying
tax-ridden
tax-supported	axable goods
taxable income	axable land	axable property	axi dancer	axi driver	axi horn	axi radar	axi strip	axi truck	axi-bordered	axi-cab	aximeter cab	tch tch	tcheck out
te deum
te igitur
te-hee
te-heed
te-heing	tea bag	tea ball	tea bell	tea biscuit	tea blender	tea blight	tea borer	tea bread	tea break	tea broom	tea caddy	tea cake	tea can	tea canister	tea cart	tea ceremony
tea checker
tea chest
tea clipper
tea cloth
tea cooper
tea cosy
tea cozy
tea dance
tea drinker
tea drunkard
tea egg
tea family
tea fight
tea fighting
tea garden
tea gardener
tea girl
tea gown
tea green
tea hound
tea hour
tea house
tea infuser
tea kettle broth
tea kitchen
tea lead
tea leaf
tea maid
tea maker
tea meeting
tea mite
tea mixer
tea mosquito
tea oil
tea oil tree
tea olive
tea packer
tea party
tea percolator
tea plant
tea planter
tea planting
tea plate
tea rose
tea sampler
tea scrub
tea service
tea set
tea shop
tea sifter
tea strainer
tea table
tea tasting
tea towel
tea tray
tea tree
tea trolley
tea urn
tea wagon
tea weigher
tea-blending
tea-chest
tea-clipper
tea-colored
tea-covered
tea-cup
tea-garden
tea-gardened
tea-growing
tea-inspired
tea-leaf
tea-leaved
tea-leaves
tea-loving
tea-maker
tea-mixing
tea-of-heaven
tea-packing
tea-party
tea-plant
tea-planter
tea-pot
tea-producing
tea-rose
tea-rose pink
tea-scented
tea-seed oil
tea-sodden
tea-spoon
tea-swilling
tea-table
tea-table talk
tea-tabular
tea-taster
tea-things
tea-tray
tea-tree
 teach a lesson
 teach an old dog new tricks
 teach fishes to swim
 teach in
 teach the elements
 teach the rudiments
 teach-in
 teach-ins
 teacher bird
 teacher clerk
 teacher edition
 teacher of rhetoric
 teacher training
 teacher's aide
 teacher's pet
 teachers college
 teachers' college
 teaching aid
 teaching assistant
 teaching elder
 teaching fellow
 teaching fellowship
 teaching hospital
 teaching institution
 teaching intern
 teaching machine
 teaching staff
 teagle post
 teak-brown
 teak-built
 teak-complexioned
 teak-lined
 teak-producing
 teal blue
 teal duck
 teal flock
 team boat
 team play
 team spirit
 team teaching
 team up
 team up with
 team with
 team-mate
 tear along
 tear apart
 tear around
tear-bright
tear-commixed
tear-compelling
tear-composed
tear-creating
tear-damped
tear-derived
tear-dewed
tear-dimmed
tear-distained
tear-distilling
tear-dropped
tear-drowned
tear-eased
tear-embarrassed
tear-expressed
tear-falling
tear-filled
tear-forced
tear-fraught
tear-freshened
tear-gas
tear-gas bomb
tear-gas grenade
tear-gas gun
tear-gassed
tear-gassing
tear-glistening
tear-imaged
tear-jerker
tear-jerking
tear-kissed
tear-lamenting
tear-lined
tear-marked
tear-melted
tear-mirrored
tear-misty
tear-mocking
tear-moist
tear-mourned
tear-off
tear-out
tear-owned
tear-pale
tear-pardoning
tear-paying
tear-persuaded
tear-phrased
tear-pictured
tear-pitying
tear-plagued
tear-pouring
tear-practiced
tear-procured
tear-protested
tear-provoking
tear-purchased
tear-quick
tear-raining
tear-reconciled
tear-regretted
tear-resented
tear-revealed
tear-reviving
tear-salt
tear-scomning
tear-sealed
tear-shaped
tear-shedding
tear-shot
tear-stained
tear-stubbed
tear-swollen
tear-thirsty
tear-washed
tear-wet
tear-wiping
tear-worn
tear-wrung
tearful eyes
tearing down
tearing out
tearing passion
tearing up root and branch
 tease out
 tease tenon
 tease up
 teasel clipper
 teasel cutter
 teasel family
 teasel frame
 teasel gourd
 teasel grower
 teasel merchant
 teasel packer
teasel sorter
teaser artist
teaser curtain
teat cup
teaze tenon
technical adviser
technical brilliance
technical college
technical education
technical expert
technical flaw
technical jargon
technical knockout
technical know-how
technical knowledge
technical mastery
technical oil
technical school
technical sergeant
technical skill
technical term
technical training institute
technical writer
technical writing
technically superb
technico-
techno-
technological institute
technological revolution
technological school
technological unemployment
technological warfare
tecno-
tectorial membrane
teddy bear
teddy boy
teddy girl
teddy-bear
tedious work
tedium-proof
tee bar
tee beam
tee burial
tee iron
tee joint
tee off
tee plate
tee rail
tee shirt
tee slot
tee square
tee-bulb
tee-hee
tee-hole
tee-name
tee-shirt
peed off
teeing ground
teel oil
team over
team with
teeming imagination
teeing loins
teeming rain
teeing womb
teen age
teen-age
teen-aged
teen-ager
teenie-weenie
tensie-weensie
tensy-weensy
teeentsy-weentsy
teeny-weeny
teeer-totter
teeter-tottering
teetering-board
teeetry-bender
teeths ridge
teeths-chattering
teeths-edging
teeths-gnashing
teeths-grinding
teething ring
teething troubles
teil tree
teind boll
tel-
tele-
tele-action
tele-iconograph
telechron clock
telegraph agency
telegraph bar
telegraph block
telegraph blue
telegraph board
telegraph box
telegraph bracket
telegraph bug
telegraph buoy
telegraph cable
telegraph clerk
telegraph clock
telegraph coil
telegraph connector
telegraph editor
telegraph form
telegraph hook
telegraph inspector
telegraph instrument
telegraph insulator
telegraph jack
telegraph key
telegraph laborer
telegraph line
telegraph lineman
telegraph mechanic
telegraph messenger
telegraph operator
telegraph plant
telegraph pole
telegraph protector
telegraph recorder
telegraph recorders
telegraph relay
telegraph repeater
telegraph rope
telegraph sounder
telegraph superintendent
telegraph switchboard
telegraph tape
telegraph transmitter
telegraph tubing
telegraph wire
telegraph wireman
teleo-
teleological argument
teleological proof
telepathic dream
telepathic hallucination
telepathic transmission
telephone amplifier
telephone area
telephone arm
television attendant
television bell
television book
television booth
television box
television cabinet
television cable
television call
television case
television cell
television closet
television coil
television condenser
television connector
television cord
television counter
television desk
television directory
television engineer
television engineering
television exchange
television extension
television faultsman
television fitter
television fuse
television generator
television holder
television instrument
television insulation
television insulator
television jack
television kiosk
television knob
television laborer
television line
television lineman
television magneto
television man
television market
television mechanic
television mechanics
television mouthpiece
television number
television office
television operator
television pad
television plug
telephone pole
television audience
television broadcast
television camera
television channel
television drama
television engineer
television mast
television play
television radar air navigation
television receiver
television receiver parts
television reception
television relay
television set
television show
television station
television studio
television technician
television transmission
television transmitter
television transmitter parts
television tube
television-viewer
tell a good story
tell a lie
tell a story
tell a thing or two
tell all
tell apart
tell confidentially
tell for your ears only
tell fortunes
tell how
tell idle tales
tell in advance
tell in glowing terms
tell it like it is
tell it not in Gath
tell it to the judge
tell its own story
tell its own tale
tell more than you want to know
tell off
tell on
tell once and for all
tell one thing from another
tell secrets
tell tales
tell tales out of school
tell the future
tell the meaning of
tell the news
tell the truth
tell true
tell where to get off
tell you a secret
tell you to your face
tell your beads
tell your fortune
tell yourself
tell-tale
tell-truth
teller of tales
teller's check
teller-out
telling of beads
telltale compass
telltale sign
tellur-
telluric acid
tellurium glance
telo-
telome theory
telpher carrier
telpher line
telpher railway
telpher ropeway
temper color
temper pin
temper screw
temper tantrum
temper-spoiling
temper-trying
temper-wearing
tempera painting
temperance drink
temperance hotel
temperance movement
temperantia salver
temperantia tray
temperate zone
temperature coefficient
temperature control
temperature curve
temperature gradient
temperature relay
temperature sensation
temperature sense
temperature sensor
temperature signal
temperature spot
temperature wind rose
temperature-humidity index
tempered glass
tempered safety glass
tempered semitone
tempest in a teacup
tempest in a teapot
tempest-bearing
tempest-beaten
tempest-blown
tempest-born
tempest-clear
tempest-driven
tempest-flung
tempest-gripped
tempest-harrowed
tempest-loving
tempest-proof
tempest-rent
tempest-rocked
tempest-scattered
tempest-scoffing
tempest-shattered
tempest-sundered
tempest-swept
tempest-threatened
tempest-torn
tempest-tossed
tempest-tost
tempest-troubled
tempest-walking
tempest-winged
tempest-worn
tempestuous rage
tempestuous wind
template excavator
template jig
temple axis
temple flower
temple mound
temple name
temple of the Holy Ghost
temple prostitute
temple title
temple tree
temple-bar
temple-crowned
temple-guarded
temple-haunting
temple-robbing
temple-sacred
temple-treated
tempo mark
tempo primo
tempo rubato
tempo turn
temporal bone
temporal hour
temporal lobe
temporal summation
temporary arrangement
temporary duty
temporary employee
temporary expedient
temporary life annuity
temporary lodger
temporary measure
tempor-temps lie
tempt Providence
tempt fortune
tempt the appetite
temptation-proof
tempus edax rerum
tempus fugit
ten best-dressed
ten cents
ten commandments
ten million
ten o'clock
ten strike
ten thousand
ten to one
ten-
ten-a-penny
ten-acre
ten-acred
ten-armed
ten-barreled
ten-bore
ten-cell
ten-cent
ten-cent store
ten-coupled
ten-course
ten-cylindred
ten-day
ten-day fern
ten-dollar
ten-dollar bill
ten-dollar gold piece
ten-eighty
ten-fingered
ten-footed
ten-forties
ten-gallon hat
ten-gauge
ten-grain
ten-guinea
ten-headed
ten-horned
ten-horsepower
ten-hour
ten-inch
ten-jointed
ten-keyed
ten-knotter
ten-league
ten-mile
ten-minute
ten-month
ten-oared
ten-parted
ten-peaked
ten-percenter
ten-pins
ten-ply
ten-point
ten-pound
ten-pounder
ten-rayed
ten-ribbed
ten-roomed
ten-second
ten-share unit stock
ten-shilling
ten-spined
ten-spot
ten-strike
ten-striker
ten-stringed
ten-syllable
ten-syllabled
ten-talented
ten-thousandaire
ten-to-one shot
ten-ton
ten-tongued
ten-toothed
ten-twenty-thirty
ten-weeks stock
ten-wheeled
ten-wheeled locomotive
ten-year
tenacious of life
tenaille line
tenant at sufferance
tenant at will
tenant farmer
tenant for life
tenant for years
tenant from year to year
tenant in capite
tenant in chief
tenant right
tenant righter
tenant-in-chief
tenant-right
tend animals
tend on
tend to
tend to a point
tend to go
tend to show
tend toward
tend towards
tendency chord
tendency play
tendency theory
tendency tone
tendency writing
tender age
tender annual
tender conscience
tender feeling
tender heart
tender loving care
tender mercies
tender passion
tender perennial
tender rocket
tender spot
tender susceptibilities
tender thanks
tender your compliments
tender your congratulations
tender your felicitations
tender your resignation
tender-bearded
tender-bladed
tender-bodied
tender-boweled
tender-colored
tender-conscienced
tender-dying
tender-eared
tender-eyed
tender-faced
tender-footed
tender-footedness
tender-foreheaded
tender-handed
tender-hearted
tender-heartedly
tender-hefted
tender-hoofed
tender-hued
tender-looking
tender-minded
tender-mouthed
tender-natured
tender-nosed
tender-personed
tender-rooted
tender-shelled
tender-sided
tender-skinned
tender-souled
tender-taken
tender-tempered
tender-witted	
tenderloin steak
tending to
tendinous arch	
tendon reflex
tendon sense
tendril climber
tendril-climbing
tene-bricose
tenement building
tenement district
tenement house
tenement of clay
tennessee walking horse
tennis ball
tennis bum
tennis court
tennis elbow
tennis marker
tennis play
tennis player
tennis playing
tennis racket
tennis shoe
tennis shoes
tennis-ball
tennis-court
tennis-play
tenon auger
tenon saw
tenon tooth
tenonto-
tenor behind
tenor clef
tenor covering
tenor drum
tenor horn
tenor octave
tenor tuba
tenor viol
tenor violin
tenpenny nail
tenpin bowling	
tense auxiliary
tense logic
tense phrase
tense readiness
tense-drawn
tense-eyed
tense-fibered
tensile strength
tension carriage
tension element
tension fatigue
tension line
tension pulley
tension rod
tension roller
tension zone
tent bed
tent caterpillar
tent dress
tent fly
tent meeting
tent pegger
tent pegging
tent pin
tent pole
tent show
tent stake
tent stitch
tent stripe
tent tree
tent worm
tent-clad
tent-dotted
tent-dwelling
tent-fashion
tent-fly
tent-peg
tent-shaped
tent-sheltered
tent-stitch
tentaculi-
tentative approach
tentative contact
tentative examination
tentative explanation
tentative method
tentative poke
tentatively suggest
tented field	
tenter-hook
tenterhook willey
tenth muse
tenth's place
tenth-rate
tenui-
tenure by free alms
tenure in chivalry
tenure in free alms
tenure in office
tenure of office
teo-nong
tepary bean
ter-
ter-equivalent
ter-sacred
ter-sanctus
tera-
terai hat
terat-
terbium metal
terbium oxide
tercel gentle
tercel-gentle
terebic acid
terebinic acid
terebinth tree
terephthalic acid
tereti-
tergo-
term attendant
term day
term fee
term hour
term insurance
term loan
term of imprisonment
term paper
term policy
term rate
term settlement
term-time
terminable annuity
terminable annuity
term case
terminal date
terminal figure
terminal leave
terminal market
terminal moraine
terminal point
terminable speed
terminable velocity
terminate the account
terminating decimal
terminating plan
terminus a quo
terminus ad quem
termite-proof
termite-proof
terms of trade
tern schooner
tern-plate
ternary form
ternate-pinnate
terne metal
terne plate
terpane group
terpene alcohol
terpene hydrate
terpin hydrate
terra a terra
terra alba
terra cariosa
terra catechu
terra cotta
terra damnata
terra firma
terra foliata
terra incognita
terra japonica
terra miraculosa
terra muriatica
terra orellana
terra pinguis
terra ponderosa
terra porcellanea
terra pozzuoli
terra putura
terra rosa
terra rossa
terra salitrosa
terra sienna
terra sigillata
terra umbra
terra verde
terra-cotta
terra-cotta lumber
terrace maker
terrace-banked
terrace-fashion
terrace-mantling
terrace-steepled
terraced house
terrae filii
terrae filius
terrain clearance indicator
terrain cure
terrain map
terramara culture
terrapin paws
terrapin scale
terrasse green
terre verte
terre-a-terreishly
terre-tenant
terre-verte
terrestrial globe
terrestrial guidance
terrestrial kingdom
terrestrial planet
terrestrial telescope
terrible thing
territorial court
territorial defense army
territorial division
territorial militia
territorial reserves
territorial system
territorial waters
territory wool
terror tactics
terror-bearing
terror-breathing
terror-breeding
terror-bringing
terror-crazed
terror-driven
terror-fleet
terror-fraught
terror-giving
terror-haunted
terror-inspiring
terror-lessening
terror-mingled
terror-preaching
terror-ridden
terror-riven
terror-shaken
terror-smitten
terror-stirring
terror-stricken
terror-striking
terror-struck
terror-threatened
terror-troubled
terror-wakened
terror-warned
terror-weakened
terroristic tactics
terry cloth
tersy-versy
tertia tone
tertiary college
tertiary color
tertiary stress
tertiary syphilis
tertium quid
teru-tero
terza rima
tesla coil
tessara-
test act
test animal
test ban
test bar
test blank
test bow
test boy
test case
test clerk
test cutter
test driver
test flight
test frame
test furnace
test game
test glass
test height
test hop
test house
test indicator
test instrument vehicle
test kitchen
test lead
test man
test marker
test match
test meal
test nail
test oath
test object
test one another
test out
test paper
test pattern
test pilot
test pit
test rocket
test room
test run
test solution
test tube
test tubing
test type
test-ban
test-bed
test-tube
test-tube baby
test-tubeful
testaceo-
testament dative
tester bed
testify against
testimonial banquet
testimonial dinner
testimony meeting
testing area
testing device
testing engineer
testing engineering
testing equipment
testing ground
testing sample
testing terminal	
tetano-
tetanus bacillus
tetanus toxin
tetanus toxoid
tetarto-
tetbrothalein sodium
tete a tete
tete de veau
tete-a-tete
tete-beche
tether-devil
tetiothalein sodium
tetra-
tetra-icosane
tetrad difference
tetradecyl alcohol
tetraethyl lead
tetraethyl pyrophosphate
tetraethylthiuram disulfide
tetragonal system
tetragonal trisoctahedron
tetrahedral kite
tetrahedrite type
tetrahydrol cannabinol
tetrahydroxyadipic acid
tetrakis-hexahedron
tetralogy of Fallot
tetramethyl base
tetrode transistor
tetter berry
tetter-berry
teuto-
tew iron
texas deck
texas fever
texas independence day
texas leaguer
texas ranger
texas tower
text blindness
text edition
text hand
text letter
text pen
text title
text writer
text-book
text-hand
text-letter
text-writer
textbook editor
textile designer
textile engineer
textile engineering
textile fabric
textile soap
textual critic
textual criticism
textus receptus
th-
thalamo-
thalamo-olivary
thalass-
thale-cress
thall-
thallium oxysulfide
thallium sulfate
thalloid shoot
thallous sulfate
thalofide cell
thanato-
thank God
thank offering
thank you
thank you kindly
thank your stars
thank-offering
thank-you
thank-you-ma'am
thank-you-maam
thanks be to God
tanks to
thanksgiving day
that bald sexton Time
that be
that being so
that being the case
that buttons it up
that dreamless sleep
that fell sergeant
that flattering unction
that goes without saying
that good night
that grim ferryman
that inward eye
that is
that is evident
that is so
that is to be
that is to say
that leaps to the eye
that old bald cheater
that old common arbitrator
that one
that or nothing
that or the other
that orbed continent
that orbed maiden
that time
that unwritten law
that wants discourse of reason
that way
that will be
that's final
that's for sure
that's it
that's just it
that's just the thing
that's right
that's that
that's the end of the matter
that's the idea
that's the thing
that's the ticket
that's the very thing
that's the way the ball bounces
that's your lookout
that's your pigeon
that's your tough luck
that-a-way
that-away
thatch cloak
thatch grass
thatch palm
thatch peg
thatch pin
thatch rake
thatch rod
thatch tree
thatch-browed
thatch-headed
thatch-roofed
thatched roof
thaumato-
thaw out
thaw-drop
the Abbey
the Absolute
the Absolute Being
the Absolute Idea
the Academy
the Acropolis
the Adjutant General
the Admiralty
the Adversary
the Advocate
the Air Pump
the All-father
the All-holy
the All-knowing
the All-merciful
the All-powerful
the All-wise
the Almighty
the Altar
the Americas
the Anointed
the Antarctic
the Apocalypse
the Arch-fiend
the Archer
the Archipelago
the Arctic
the Argentine
the Arrow
the Ascension
the Assumption
the Author of Evil
the Axis
the Bab
the Balance
the Balkans
the Baptist
the Big Board
the Bird of Paradise
the Blessed One
the Blessed Virgin
the Bluegrass
the Book
the Book of Books
the Bowery
the Bread of Life
the Bride of the Lamb
the Bull
the Canaanite
the Cape
the Carolinas
the Cascades
the Catacombs
the Caucasus
the Centaur
the Chained Lady
the Chameleon
the Charioteer
the Christ
the Christ Child
the Church
the City
the Clock
the Coalsack
the Coast
the Colonies
the Colophonian
the Comforter
the Common Enemy
the Commonwealth
the Commonwealth of Nations
the Commune
the Compasses
the Confederacy
the Confederation
the Confessor
the Conquest
the Consoler
the Continent
the Crab
the Crane
the Creation
the Creator
the Cross
the Crow
the Crown
the Cup
the Cyprian
the DT's
the Dakotas
the Dales
the Decalogue
the Deity
the Deluge
the Demon
the Demon Rum
the Depression
the Destinies
the Destroyer
the Deuce
the Devil
the Devil Incarnate
the Devil's pitchfork
the Dickens
the Digest
the Dirae
the Directory
the Divine
the Divine Liturgy
the Divinity
the Dog Star
the Dolphin
the Dominion
the Door
the Dorado Fish
the Dove
the Doxology
the Dragon
the Eagle
the East
the Eddas
the Eight
the Elevation
the Enemy
the Enlightenment
the Erinyes
the Essence of the Universe
the Establishment
the Eternal
the Eternal Being
the Eucharist
the Eumenides
the Everlasting
the Everlasting Father
the Evil One
the Evil Spirit
the Exchange
the Exile
the Exodus
the Fall
the Father
the Father of Evil
the Father of Lies
the Fathers
the Fens
the Fiend
the First Cause
the Fishes
the Fleet
the Flood
the Fly
the Flying Fish
the Foal
the Forerunner
the Forum
the Foul Fiend
the Four Freedoms
the Four Hundred
the Fund
the Furies
the Furnace
the Galilean
the Garter
the Giant Hunter
the Giraffe
the Gironde
the Goat
the Good Book
the Good Shepherd
the Gospel
the Gracchi
the Graces
the Grange
the Great Bear
the Great Depression
the Great Divide
the Great Dog
the Great Spirit
the Guardian of Mankind
the Hare
the Hebrides
the Herdsman
the Hill
the Holocaust
the Holy Father
the Holy Ghost
the Holy Sacrament
the Holy See
the Holy Spirit
the Honorable
the Horn
the Horned Goat
the Hours
the Hub
the Hunting Dogs
the Hypostatic Union
the I
the Incarnation
the Indian
the Indies
the Infant Jesus
the Infinite
the Infinite Being
the Infinite Spirit
the Inquisition
the Intercessor
the Jewish Law
the Judge
the Judgment
the Keel
the King of Light
the King's English
the King's evil
the Kirk
the Kremlin
the Lady in the Chair
the Lady of the Lake
the Lamb
the Larger Dog
the Last Day
the Law
the Left
the Legion
the Lesser Bear
the Lesser Dog
the Lesser Lion
the Life
the Light of the World
the Lion
the Litany
the Little Dog
the Little Fox
the Liturgy
the Lizard
the Loop
the Lord Buddha
the Lord of Wisdom
the Lord's Prayer
the Lowlands
the Lynx
the Lyre
the Mafia
the Maker
the Man
the Man of Sorrows
the Mast
the Master
the McCoy
the Mediator
the Method
the Microscope
the Monarch
the Mosaic Law
the Most Excellent
the Most Honorable
the Most Noble
the Most Reverend
the Most Worshipful
the Most Worthy
the Mountain
the Muses
the Nativity
the Nazarene
the Net
the Nine
the Noble
the North Star
the Northern Crown
the Northwest
the Now Generation
the Octant
the Old Adam
the Old Enemy
the Old Gentleman
the Old Man
the Old Serpent
the Olympics
the Omnipotent
the Omniscient
the Only-Begotten
the Orient
the Painter
the Pale Horse
the Paphian
the Peacock
the Peninsula
the Pentagon
the Phoenix
the Plain
the Pole Star
the Porch
the Potteries
the Preparation
the Preserver
the Prince of Darkness
the Prince of the Devils
the Prince of this world
the Promised Land
the Prophet
the Prophets
the Psalmist
the Psalms
the Psalter
the Psaltery
the Queen's English
the Ram
the Rand
the Reaper
the Red Planet
the Reef
the Regenerator
the Reproaches
the Restoration
the Rev Dr Dryasdust
the Reverend
the Right Honorable
the Right Reverend
the Risen
the River Po
the Roman Emperor
the Rule
the Rump
the Sacrament
the Sails
the Salon
the Scales
the Scandinavian Peninsula
the Scorpion
the Scriptures
the Sculptor
the Sculptor's Tool
the Sea Serpent
the Self-determined
the Serpent
the Serpent Bearer
the Seventy
the Sextant
the Shepherd
the Shield
the Ship Argo
the Shires
the Slump
the Snowies
the Snowy
the Son
the Sorrowful Mother
the South Seas
the Southern Crown
the Southern Fish
the Southern Triangle
the Spirit
the Spirit of God
the Spirit of Truth
the Stagirite
the Star-Spangled Banner
the States
the Stern
the Street
the Sudeten
the Sun of Righteousness
the Supreme Being
the Supreme Soul
the Swan
the Taal
the Table
the Teacher
the Telescope
the Tempter
the Thousand and One Nights
the Toucan
the Triangle
the True Vine
the Truth
the Twelve
the Twins
the Ukraine
the Unicorn
the Union
the Universal Ego
the Universal Self
the Unmoved Mover
the VIP’s
the Vatican
the Vedas
the Very Reverend
the Vine
the Virgin
the Virgin Mary
the Virgin Mother
the Wandering Jew
the Water Bearer
the Water Carrier
the Water Snake
the Way
the Whale
the Wicked One
the Wigwam
the Winged Horse
the Wise Lord
the Wise One
the Wolf
the Wooden Horse
the Word
the Word Made Flesh
the Word of God
the Wreath
the Writings
the Yukon
the abroad
the absolute truth
the abstract
the absurd
the abyss
the administration
the affirmative
the affluent life
the air
the almighty dollar
the alphabet
the altogether
the always wind-obeying deep
the amount
the ancient and honourable
the angel of the bottomless pit
the anouilh
the ape of wisdom
the arch of heaven
the archenemy
the arms of Morpheus
the art of conversation
the art of hoping
the art of the possible
the article
the arts
the assured
the atmosphere of Soul
the attainable
the author of authors
the authorities
the avarice of power
the ax
the back of beyond
the backs
the bad
the battle of life
the be-all and the end-all
the beast
the beast with many heads
the beasts of the field
the beaten path
the beaten track
the beautiful
the bezie-weezies
the believing
the bends
the best
the best ever
the best people
the best words in the best order
the best you can
the best you know how
the beyond
the big battalions
the big idea
the big lie
the big picture
the big smoke
the big stick
the big time
the big top
the bird
the biter bit
the black art
the blahs
the blaze of noon
the blessed
the blind
the blind leading the blind
the block
the blood of life
the bludgeon
the blue
the blue planet
the blue serene
the blues
the boards
the book
the boondocks
the boot
the boot in the face
the border
the bosom of our rest
the bottle
the bottom line
the bottomless pit
the bounce
the bounding main
the boyhood of the year
the brandy of the damned
the brass
the brave
the breaks
the brine
the briny
the briny deep
the brush
the bubble reputation
the buff
the bum's rush
the bunch
the burning tapers of the sky
the bush
the business of barbarians
the business world
the campus
the case
the cat's meow
the cat's pajamas
the chair
the chances are
the chase
the children of God
the children of light
the choir invisible
the chosen
the chuck
the church
the church universal
the cinema
the circumcision
the citizenry
the clash of creeds
the classes
the classics
the clear hyaline
the clinches
the clocksetter
the cloth
the cloven hoof
the club
the coast is clear
the cold shoulder
the comic
the common
the common herd
the commonplace
the community
the compleat
the compleat angler
the complete
the concrete
the condition being such
the confessional
the confessionary
the conn
the conscious
the contrary
the conventions
the cool of the evening
the cops
the corpus
the corridors of power
the couch
the count
the country
the courage of your convictions
the course of events
the courts
the cradle
the creed
the creeps
the cricket no relief
the crippled
the crowd
the crown
the crown of life
the cud
the cunning of the serpent
the cup
the cup that cheers
the curse
the curse of Eve
the daily round
the damned
the dance
the danger is past
the dangerous age
the dansant
the dark
the dark sanctuary of incapacity
the data
the dawn of day
the dawn's early light
the day after tomorrow
the days of our years
the days that are no more
the dead
the dead Summer's soul
the deaf
the deal is off
the deceased
the deep
the deep blue sea
the deep sea
the deeps
the defensive
the defunct
the departed
the depths
the desk
the details
the deuce you say
the devil and all
the devil and the deep blue sea
the devil to pay
the devil you say
the devourer of things
the die is cast
the dim past
the direct opposite
the disadvantaged
the dismal science
the dismal
the dispossessed
the distance
the distressed
the dizzy rounds
the doldrums
the dolefuls
the domain of the impossible
the domain of the possible
the dome of Thought
the dominion of absurdity
the dope
the down-and-out
the downward path
the downward slope
the dragon
the dream of those that wake
the dress of thoughts
the drill
the duration
the earth
the elect
the elements
the empyrean
the enclosed
the end of the line
the end of the rainbow
the ends of the earth
the enemy of creativeness
the ensemble
the entirety
the eternal feminine
the eternal fitness of things
the evil
the evil one
the evil shadow of aspiration
the exact truth
the executive
the expiring day
the exterior
the eye
the fact of the matter
the facts
the facts of the case
the facts of the matter
the fair thing
the faith
the faithful
the family way
the fancy
the far side of
the fat is in the fire
the fat of the land
the feasible
the feast of vultures
the felon winds
the female of the human species
the few
the field
the fights
the first of painters
the first philosophy
the first theology
the flesh
the fleshly
the flip side
the flowing bowl
the following
the footlights
to the fore
the forgotten man
the fount whence honour springs
the four corners of the earth
the four elements
the fourth estate
the fowl of the air
the front
to the full count
the funny side
to the fur fly
to the future
to the fuzz
to the gallows
to the gantlet
to the gapes
to the gas chamber
to the gate
to the gate of life
to the gen
to the general drift
to the general public
to the general tendency
to the genuine article
to the glad
to the glad hand
to the glad season of life
to the glassy sea
to the glorious lamp of Heav’n
to the go-ahead
to the go-by
to the goat god
to the god of my idolatry
to the gods
to the golden touch
to the golden years
to the good
to the good folk
to the good hereafter
to the good life
to the good people
to the good side of
to the goods
to the governess of floods
to the government
to the grades
to the grand style
the grape
the grave
the gray-hooded Ev'n
the great
the great beyond
the great hereafter
the great majority
the great out-of-doors
the great unknown
the great unnumbered
the great unwashed
the great white throne
the great world of light
the greater gods
the greater number
the greatest
the greatest innovator
the greatest number
the green light
the grill
the ground of being
the groves of Academe
the guillotine
the halls of learning
the halt
the handicapped
the handsome thing
the happy land
the hard truth
the hard way
the hard-of-hearing
the harmonious voice of creation
the have-nots
the haves
the hawk
the hay
the health of the soul
the hearing of deaf actions
the heebie-jeebies
the height of your ambition
the helm
the help
the herd
the hereafter
the hills
the hoi polloi
the hole
the holy
the holy of holies
the honest truth
the honest-to-God truth
the honey-heavy dew of slumber
the horde
the horrors
the hot seat
the how
the humanities
the hump
the hunted
the hurdles
the idea
the illimitable
the image of life
the immortals
the impossible
the in thing
the incalculable
the individual
the ineffable
the inenarrable
the inexpressible
the infirm
the information
the ingroup
the inner circle
the ins
the intelligent
the intense inane
the interests
the intrinsic truth
the invisible
the iron entering the soul
the irrevocable Past
the jackboot
the jaundice of the soul
the jerks
the jig is up
the jimjams
the journey's end
the jumps
the kibosh on
the king of terrors
the knife
the know
the knowing
the koine
the lam
the lambent easy light
the lame
the last extremity
the last refuge of a scoundrel
the last straw
the last thing civilized by man
the last thing you expect
the last word
the latest
the latest thing
the latest wrinkle
the latter end
the law
the law of the jungle
the lay of the land
the lead
the legitimate
the lesser gods
the letter
the life of Riley
the light fantastic
the lightning's gleaming rod
the like
the like of
the likes of
the limit
the limit of your patience
the line
the little O
the little men
the little people
the livelong day
the living
the living and breathing
the logic of the heart
the long and short of
the long and the short of
the long green
the lord's Supper
the lost
the lot
the loved one
the low'ring element
the lowdown
the lower cut
the loyal opposition
the luscious liquor
the mailed fist
the main course
the major deities
the majority
the majors
the man in the White House
the man in the street
the many
the market
the marketplace
the mass of the people
the masses
the matter is ended
the measure of all things
the measure of the year
the melting pot
the microscope of the judgment
the middle of nowhere
the middle years
the mighty
the military
the millennium
the million
the mind's immodesty
the ministry
the minor deities
the minority
the minors
the mirror image
the mirror of all courtesy
the mirror of the soul
the mob
the moon
the moon personified
the more it changes
the more it's the same thing
the mores
the morn
the morrow
the mosaic of the Air
the most
the mother of devotion
the mother of prejudice
the movies
the multitude
the mundane
the music of the soul
the music of the spheres
the mystic wine of Night
the mystical jewels of God
the naked ape
the naked truth
the native hue of resolution
the nature of the beast
the nature of things
the necessary
the neck up
the needful
the needle
the needy
the negative
the new look
the new music
the nitty-gritty
the nod
the nonce
the noose
the normal
the normal order of things
the not ourselves
the now
the nth degree
the nude
the numbers
the numbers game
the numinous
the nursery
the nuts
the observed of all observers
the occult
the odds are
the offending Adam
the old Adam
the old college spirit
the old college try
the old country
the old heave-ho
the old man
the old man of the sea
the old one-two
the old woman
the olden time
the only animal that blushes
the only son of Mary
the only universal tongue
the open
the open air
the open road
the opening eyelids of the morn
the opposite extreme
the opposition
the ordinary
the orthodox
the other
the other America
the other day
the other extreme
the other half
the other side
the other side of
the other side of the coin
the other side of the picture
the other side of the tracks
the other way around
the out-of-doors
the painter of the soul
the palace of the Soul
the pale child
the pale populace of Heaven
the palpable obscure
the particular
the particulars
the past
the past again
the people
the people in the front office
the people upstairs
the perfection of nature
the petrifaction of feelings
the physic of the field
the pick
the picture
the pictures
the pill
the pip
the pit
the pits
the plain style
the plain truth
the planet
the plate
the plaything of fortune
the pledge
the plumeless genus of bipeds
the plural
the point
the polar opposite
the poor
the poor man’s Parnassus
the populace
the population
the possible
the power elite
the power structure
the powerless
the powers that be
the present
the present age
the present day
the present hour
the present juncture
the present moment
the present occasion
the present time
the press
the prime work of God
the principality
the printing press of all ages
the profane
the profession
the proof of the pudding
the proper thing
the proper thing to do
the proprieties
the prosecution
the proud
the provinces
the prudent
the public
the pulpit
the purple
the quick
the quick and the dead
the quiet-voiced elders
the rabble
the rack
the rackets
the radiant sun
the rage
the rat race
the raw
the ready
the real McCoy
the real Simon Pure
the real thing
the realized ideal
the realm of possibility
the realm of the impossible
the record
the red sweet wine of youth
the reign of Spirit
the religious
the remembrance of things past
the reprobate
the rest is silence
the reverend mother
the reverse image
the rhythmic
the rich
the right Reverend
the right of the strong
the right side of
the right thing
the right thing to do
the right things
the right to live as we wish
the righteous
the ring
the road
the road to ruin
the rope
the rough
the round
the rounds
the ruddy cup
the rule and pattern of speech
the rulers
the ruling spirit of all things
the run of
the runaround
the runs
the sack
the sacred
the salt of the earth
the same
the same damn thing
the same difference
the same old thing
the same way
the saved
the say
the say-so
the scenes
the scoop
the score
the screaming meemies
the screen
the sea-mouth of mortality
the season
the season's look
the second soul of the unhappy
the secular
the seed of Chaos
the seemly
the seen
the self
the sensible
the sere
the serpent
the seven seas
the shades
the shadow of a shade
the shady side
the shakes
the shape of things
the shining ones
the ship
the shoe is on the other foot
the sick
the sightless
the silver livery of advised age
the silver screen
the simple truth
the sincerest form of flattery
the sinews of affairs
the sinews of war
the size of it
the skids
the sleep of the dead
the sleeping partner of life
the slip
the slums
the small hours
the sniffles
the snuffles
the sober truth
the social evil
the soft down of manhood
the soft underbelly of Europe
the soil
the son of Mary
the soul of the world
the soul of wit
the special
the specific
the specifics
the speech of angels
the spit and image of
the spoken word
the sport of fortune
the sport of kings
the squirrel cage
the stage
the stake
the state of affairs
the status quo
the stern truth
the sticks
the still
the stork
the storm blown over
the storm has blown over
the story
the straight and narrow
the straight of it
the straight truth
the strange
the string
the strong
the strong arm
the stuff
the subject is closed
the sublime
the sublime style
the suit of night
the summer of your youth
the summit
the supernatural
the supersensible
the supreme fiction
the suspicion of a suspicion
the sweat of your brow
the sweet by-and-by
the sweeter banquet of the mind
the sword
the syndicate
the tag-rag people
the temporal
the theater
the thing
the third dimension
the third estate
the thirtieth of February
the throne
the thunder
the time
the time being
the time of the singing of birds
the times
the tongue of vanity
the tooth of time
the top
the top of your bent
the tops
the touch
the toy of fortune
the trade of kings
the tragic
the transgression of the law
the treadmill
the treasury of everlasting joy
the tribute due unto nature
the tropics
the trots
the true
the true church
the truth
the truth of the matter
the tullies
the turf
the two
the unalloyed truth
the unconscious
the undead
the underground
the underprivileged
the undersigned
the understanding
the underworld
the unemployable
the unemployed
the unfamiliar
the unforeseen
the unholy
the unique
the universal sovereign
the unknowable
the unknown
the unlooked-for
the unqualified truth
the unrighteous
the unrolled scroll of prophecy
the unseeing
the unseen
the unspeakable
the unutterable
the unvarnished truth
the unwritten law
the urban poor
the usual
the vanquished
the various turns of chance
the vasty deep
the veil
the veriest
the very May-morn of his youth
the very Reverend
the very acme and pitch
the very best
the very model
the very pineapple of politeness
the very pink of courtesy
the very thing
the very witching time of night
the very words
the visible
the void
the void above
the vote
the vulgar herd
the wakey nights
the wandering Moon
the warder of the brain
the wat'ry star
the wavy waste
the way it is
the way it looks
the way it shapes up
the way of
the way of it
the way of the world
the way of things
the way the ball bounces
the way the cards fall
the way the cookie crumbles
the way the wind blows
the way things are
the way things fall
the way things go
the way you are
the way you feel
the way you think
the ways of the world
the wealthy
the weary round
the weather
the weed
the well to do
the whatfor
the wheel
the wheels of justice
the wherefore
the wherewith
the wherewithal
the while
the white radiance of eternity
the whitening shower
the whites
the whole
the whole bit
the whole night
the whole range
the whole spectrum
the whole story
the whole truth
the whole way to
the why
the why and wherefore
the whyfor
the wicked
the wild
the wind personified
the winds
the wine of life
the wine-dark sea
the wings of the wind
the wink
the wink of an eye
the wire
the wise
the womb of time
the wooded mountains
the word 'go'
the works
the world
the world above
the world of commerce
the world of trade
the world of waters wild
the world over
the worldly
the worse for
the worse for liquor
the worse for wear
the worst
the worst of all evils
the worst way
the wretched of the earth
the written word
the wrong side of forty
the wrong way
the years that are past
the yellow leaf
the-
theater lighting
theater man
theater of cruelty
theater of operations
theater of the absurd
theater of war
theater part
theater world
theater, the
theater-craft
theater-in-the-round
theatre of cruelty
theatre of the absurd
theatre stall
theatre-in-the-round
theatrical agent
theatrical makeup
theatrical performance
theatrical season
theatro-
theeco-
theezan tea
theft insurance
theft-boot
theory-blind
therapeutic abortion
there and then
there is no help for it
there is no helping it
there is no question
there is not a shadow of doubt
there is nothing more to be said
there is reason to believe
there's no place like home
there's no two ways about it
therefore because of this
therefore on account of this
therio-
thermal ammeter
thermal barrier
thermal conductivity
thermal cracking
thermal detector
thermal detectors
thermal diffusion
thermal efficiency
thermal engine
thermal equator
thermal equilibrium
thermal neutron
thermal radiation
thermal reactor
thermal shock
thermal spring
thermal timing relay
thermal unit
thermic fever
thermionic cathode
thermionic current
thermionic emission
thermionic grid emission
thermionic instrument
thermionic tube
thermionic tube circuit
thermionic valve
thermite process
thermo development
thermo-
thermo-inhibitory
thermo-unstable
thermocouple instrument
thermocouple meter
thermocouple pyrometer
thermodynamic equilibrium
thermodynamic potential
thermodynamic temperature
thermodynamics pot
thermoelectric couple
thermoelectric current
thermoelectric effect
thermoelectric thermometer
thermoelectromotive force
thermometer pointer
thermometric titration
thermonuclear arsenal
thermonuclear attack
thermonuclear bomb
thermonuclear explosion
thermonuclear fusion
thermonuclear power
thermonuclear reaction
thermonuclear warhead
thermonuclear weapons
thermos bottle
thermos flask
thermosetting plastic
thero-
thesaurus dictionary
these days
thesis dramatist
thesis novel
thesis novelist
thesis play
thesis playwright
theta function
thi-
thiacetic acid
thiazine dye
thick and thin
thick as flies
thick as hail
thick as thieves
thick darkness
thick hide
thick of hearing
thick of things
thick register
thick shade
thick shake
thick shell
thick skin
thick soup
thick space
thick squall
thick with
thick-ankled
thick-barked
thick-barred
thick-beating
thick-bedded
thick-billed
thick-blooded
thick-blown
thick-bodied
thick-bossed
thick-bottomed
thick-brained
thick-breathed
thick-cheeked
thick-clouded
thick-coated
thick-coming
thick-coming fancies
thick-cut
thick-decked
thick-descending
thick-drawn
thick-eared
thick-fingered
thick-flaming
thick-flanked
thick-flashing
thick-fleeced
thick-fleshed
thick-flowing
thick-foliaged
thick-footed
thick-girthed
thick-growing
thick-grown
thick-haired
thick-head
thick-headed
thick-headedness
thick-hided
thick-hidedness
thick-jawed
thick-jeweled
thick-knee
thick-kneed
thick-knobbed
thick-laid
thick-leaved
thick-legged
thick-lined
thick-lipped
thick-looking
thick-maned
thick-necked
thick-packed
thick-pated
thick-peopled
thick-piled
thick-pleached
thick-plied
thick-ribbed
thick-rinded
thick-rooted
thick-rusting
thick-set
thick-shadowed
thick-shafted
thick-shelled
thick-sided
thick-sighted
thick-skinned
thick-skulled
thick-soled
thick-sown
thick-spaced
thick-spread
thick-spraying
thick-sprung
thick-stalked
thick-starred
thick-stemmed
thick-streaming
thick-swarming
thick-tailed
thick-tailed ray
thick-thronged
thick-toed
thick-tongued
thick-toothed
thick-topped
thick-voiced
thick-walled
thick-warbled
thick-winded
thick-witted
thick-wittedly
thick-wittedness
thick-wooded
thick-woven
thick-wristed
thick-wrought
thickness gauge
thickness of speech
thickness piece
thief ant
thief glass
thief tube
thief-resisting
thief-taker
thieves' cross
thigh boot
thigh boots
thigh puff
thigmo-
thill horse
thill-horse
thimble lily
thimble skein
thimble-crowned
thimble-eye
thimble-eyed
thimble-pie
thimble-shaped
thimble-sized
thin air
thin as a lath
thin as a rail
thin away
thin down
thin end of the wedge
thin ice
thin margin
thin off
thin out
thin person
thin register
thin skin
thin soup
thin space
thin wine
thin-ankled
thin-armed
thin-barked
thin-bedded
thin-bellied
thin-belly
thin-bladed
thin-blooded
thin-blown
thin-bodied
thin-bottomed
thin-brained
thin-cheeked
thin-clad
thin-coated
thin-cut
thin-descending
thin-eared
thin-faced
thin-featured
thin-film
thin-flanked
thin-fleshed
thin-flowing
thin-frozen
thin-fruitied
thin-grown
thin-haired
thin-headed
thin-hipped
thin-laid
thin-leaved
thin-legged
thin-lined
thin-lipped
thin-lippedly
thin-lippedness
thin-necked
thin-officered
thin-peopled
thin-pervading
thin-rinded
thin-set
thin-shelled
thin-shot
thin-skinned
thin-skinnedness
thin-soled
thin-sown
thin-spread
thin-spun
thin-stalked
thin-stemmed
thin-veiled
thin-voiced
thin-walled
thin-worn
thin-woven
thin-wristed
thin-wrought
thing added
thing copied
thing desired
thing done
thing given as a pledge
thing imagined
thing of beauty
thing of interest
thing of naught
thing, the
thing-in-itself
thing-it-self
thing-word
things going against one
things going against you
things to be done
things to do
things-in-themselves
think about
think affirmatively
think aloud
think back
think best
think better of
think better of it
think dependable
think downbeat
think factory
think fit
think good
think hard
think highly of
think ill of
think improbable
think it over
think likely
think little of
think much of
think negatively
think no more of
think no more of it
think nothing of
think of
think one is it
think only of others
think out
think out loud
think over
think piece
think positively
think probable
think proper
think reliable
think tank
think that way about
think the best of
think the world of
think the worst of
think through
think too much of
think twice
think twice about
think unlikely
think up
think well of
think well of yourself
think worlds of
think your head off
think your shit doesn't stink
think-so
think-tank
thinking aloud
thinking cap
thinking machine
thinking of it later
thinking out
thinking over
thinking power
thinking shop
thinking through
thinned-out
thinning agent
thio acid
thio ether
thio salt
thio-
thio-ether
thioacetic acid
thiaoalkyl ether
thioantimonic acid
thioarsenic acid
thioarsenious acid
thiocyan group
thiocyanic acid
thiocyanogen group
thiocyanate radical
thioethyl alcohol
thioindigo red B
thioindigo red b
thiol-
thion-
thionic acid
thiopental sodium
thiopentone sodium
thiophosphoric acid
thiosulfuric acid
thiosulphuric acid
third astute
third base
third baseman
third best
third class
third degree
third dimension
third ear
third estate
third estate, the
third eyelid
third force
third hand
third house
third law of motion
third law of thermodynamics
third man
third market
third mate
third mortgage
third officer
third order
third part
third party
third party procedure
third person
third position
third rail
third rank
third reading
third sex
third stomach
third stream
third string
third stringer
third ventricle
third world
third-class
third-class mail
third-degree
third-degree burn
third-degreed
third-degreing
third-estate
third-force
third-hand
third-order
third-rail
third-rate
third-rateness
third-rater
third-string
third-world
thirst after
thirst country
thirst for
thirst for knowledge
thirst quencher
thirst-abating
thirst-allaying
thirst-creating
thirst-inducing
thirst-maddened
thirst-quenching
thirst-raising
thirst-scorched
thirst-tormented
thirsty for knowledge
thirsty soul
thirteen-day
thirteen-inch
thirteen-lined
thirteen-lined gopher
thirteen-pence halfpenny
thirteen-ringed
thirteen-square
thirteen-stone
thirteen-story
thirteenth chord
thirty-acre
thirty-day
thirty-eight
thirty-eighth
thirty-fifth
thirty-first
thirty-five
thirty-foot
thirty-four
thirty-fourth
thirty-gunner
thirty-hour
thirty-inch
thirty-knot
thirty-mile
thirty-nine
thirty-ninth
thirty-one
thirty-pound
thirty-second
thirty-second note
thirty-second rest
thirty-seven
thirty-seventh
thirty-six
thirty-sixth
thirty-third
thirty-thirty
thirty-three
thirty-ton
thirty-two
thirty-twomo
thirty-twomos
thirty-word
thirty-yard
thirty-year
this AM
this PM
this aft
this afternoon
this and no other
this and that
this bank and shoal of time
this being so
this big
this day
this day and age
this goodly frame
this hour
this instant
this man's army
this minute
this moment
this morning
this night
this one
this pendent world
this point
this quintessence of dust
this scepter'd isle
this seat of Mars
this second
this single
this size
this stage
this very minute
this way
this world
this-a-way
this-way-ward
this-worldian
this-worldliness
this-worldly
this-worldness
thistle ball
thistle beard
thistle butterfly
thistle cock
thistle crown
thistle dollar
thistle family
thistle finch
thistle funnel
thistle noble
thistle poppy
thistle saffron
thistle sage
thistle tube
thistle-down
thistle-finch
thiuram disulphide
thompson submachine gun
thomson's disease
thong leather
thong seal
thoraci-
thoracic duct
thoracic surgery
thoraco-
thoracolumbar nervous system
thorium dioxide
thorium emanation
thorium nitrate
thorium oxide
thorium series
thorn apple
thorn broom
thorn crown
thorn devil
thorn forest
thorn hedge
thorn in the flesh
thorn in the side
thorn in your flesh
thorn letter
thorn locust
thorn oyster
thorn palm
thorn plum
thorn poppy
thorn tree
thorn-apple
thorn-bearing
thorn-bound
thorn-bush
thorn-covered
thorn-crowned
thorn-encompassed
thorn-headed
thorn-hedge
thorn-hedged
thorn-marked
thorn-pricked
thorn-resisting
thorn-set
thorn-strewn
thorn-tree
thorn-wounded
thorn-wreathed
thornback ray
thornbill warbler
thorny problem
thorny-backed
thorny-edged
thorny-handed
thorny-pointed
thorny-pricking
thorny-thin
thorny-twinning
thor- thorough bass
thorough brace
thorough light
thorough stone
thorough-
thorough-bind
thorough-bore
thorough-cleanse
thorough-dress
thorough-dry
thorough-felt
thorough-fought
thorough-humble
thorough-light
thorough-lighted
thorough-line
thorough-made
thorough-paced
thorough-pin
thorough-ripe
thorough-shot
thorough-stain
thorough-stitch
thou breath of Autumn's being
thou deep and dark blue ocean
thou scarlet sin
thou unrelenting past
thou weed
thou-shalt-not
though the heavens may fall
thought control
thought disorder
thought disturbance
thought reader
thought reading
thought transference
thought writing
thought-abhorrering
thought-bewildering
thought-burdening
thought-challenging
thought-concealing
thought-conjuring
thought-depressed
thought-exceeding
thought-executing
thought-fed
thought-fixed
thought-free
thought-giving
thought-hating
thought-haunted
thought-heavy
thought-heeding
thought-hounded
thought-humbled
thought-imaged
thought-inspiring
thought-instructing
thought-involving
thought-jaded
thought-kindled
thought-laden
thought-lighted
thought-mad
thought-mastered
thought-meriting
thought-moving
thought-numb
thought-out
thought-outraging
thought-pained
thought-peopled
thought-poisoned
thought-pressed
thought-provoking
thought-read
thought-reading
thought-reviving
thought-ridden
thought-saving
thought-set
thought-shaming
thought-sounding
thought-stirring
thought-straining
thought-swift
thought-tight
thought-tinted
thought-tracing
thought-unsounded
thought-winged
thought-working
thought-worn
thought-worthy
thousand dollars
thousand island dressing
thousand million
thousand-acre
thousand-dollar
thousand-dollar bill
thousand-eyed
thousand-footed
thousand-guinea
thousand-handed
thousand-headed
thousand-headed kale
thousand-hued
thousand-jacket
thousand-leaf
thousand-legged
thousand-legger
thousand-legs
thousand-mile
thousand-pound
thousand-round
thousand-sided
thousand-souled
thousand-voiced
thousand-year
thousandth's place
thraco-phrygian
thrall-less
thrall-like
thrall-likethrallborn
thrash about
thrash out
thrash over
thrash soundly
thrasher shark
thrasher whale
thrashing-floor
thrashing-machine
thrashing-mill
thread angle
thread bar
thread blight
thread board
thread cabinet
thread cell
thread count
thread counter
thread cutter
thread drawer
thread drawing
thread dresser
thread eel
thread escutcheon
thread fungus
thread gauge
thread generator
thread herring
thread insert
thread lace
thread lubricator
thread maker
thread mark
thread miller
thread moss
thread paper
thread protector
thread roller
thread spinner
thread splicer
thread spooler
thread tangle
thread winder
thread your way
thread-cutting
thread-leaved
thread-legged
thread-legged bug
thread-lettered
thread-line fishing
thread-marked
thread-measuring
thread-mercerizing
thread-milling
thread-needle
thread-paper
thread-shaped
thread-the-needle
thread-waisted
thread-winding
thread-worn
threaded glass
threader-up
threading lathe
threading machine
threading tool
threadneedle street
threat to health
threatening course
three R’s
three Rs
three balls
three birds
three estates
three hours
three hundred
three o’cat
three o’clock
three of a kind
three old cat
three parts
three percent
three r’s
three sheets in
three sheets to the wind
three times
three-D
three-a-cat
three-accent
three-acre
three-act
three-aged
three-aisled
three-alarm fire
three-and-a-halfpenny
three-angled
three-arched
three-arm
three-arm protractor
three-armed
three-awned
three-bagger
three-ball
three-ballmatch
three-banded
three-bar
three-base hit
three-basehit
three-bearded
three-bid
three-blade
three-bladed
three-bodied
three-bolted
three-bottle
three-bottom
three-bottom plow
three-bout
three-branch
three-branched
three-bushel
three-by-four
three-capsuled
three-card
three-card lant
three-card loo
three-card monte
three-card trick
three-celled
three-centered arch
three-charge
three-charge rate
three-chinned
three-circle
three-circuit
three-circuit switch
three-class
three-class system
three-clause
three-cleft
three-coat
three-cocked
three-color
three-color photography
three-color printing
three-color process
three-color theory
three-colored
three-colour
three-component
three-coned
three-corded
three-corner
three-cornered
three-cornered hat
three-cornered needle
three-corneredness
three-course
three-crank
three-crowned
three-cup
three-cylinder
three-day
three-day fever
three-day measles
three-dayed
three-deck
three-deck vessel
three-decked
three-decker
three-deep
three-dimensional
three-dimensional chess
three-dimensional display
three-dimensional photography
three-dimensional war
three-dimensional wave
three-dimensionalness
three-dip
three-dropped
three-eared
three-echo
three-edged
three-effect
three-electrode
three-em space
three-eyed
three-faced
three-farthing
three-farthings
three-fathom
three-fibered
three-field
three-figure
three-fingered
three-floored
three-flowered
three-fold
three-foot
three-footed
three-forked
three-formed
three-four time
three-fourths
three-fruited
three-gaited
three-grained
three-groined
three-groove
three-grooved
three-guinea
three-halfpence
three-halfpenny
three-halfpennyworth
three-hand
three-handed
three-headed
three-high
three-hinged
three-hooped
three-horned
three-horse
three-hour
three-in-hand
three-in-one
three-inch
three-index
three-iron
three-island ship
three-jointed
three-layered
three-leaf
three-leafed
three-leaved
three-legged
three-legged race
three-letter
three-lettered
three-life
three-light
three-line
three-lined
three-lipped
three-lobed
three-man
three-mast
three-masted
three-master
three-mile
three-mile limit
three-minute
three-minute glass
three-month
three-monthly
three-mouthing
three-move
three-mover
three-name
three-necked
three-nerved
three-ounce
three-out
three-ovumed
three-pair
three-part
three-part harmony
three-part time
three-parted
three-pass
three-peaked
three-petaled
three-phase
three-phase alternating current
three-phase alternator
three-phase motor
three-phase resistance welder
three-phased
three-phaser
three-piece
three-piece suit
three-pile
three-piled
three-piler
three-pint
three-plait
three-ply
three-point
three-point landing
three-point perspective
three-sidedness
three-sixty
three-soled
three-space
three-span
three-speed
three-spined
three-spored
three-spot
three-spread
three-square
three-square file
three-stage rocket
three-star
three-star general
three-step
three-step rocket
three-sticker
three-storied
three-story
three-strand
three-stranded
three-stringed
three-striped
three-striper
three-styled
three-suited
three-syllable
three-syllable law
three-syllabled
three-tailed
three-thorned
three-thorned acacia
three-thread
three-throw
three-tie
three-tie joint
three-tier
three-tiered
three-time
three-tined
three-toed
three-toed woodpecker
three-toes
three-ton
three-tongued
three-toothed
three-toothed cinquefoil
three-torque
three-tripod
three-up
three-valued
three-valved
three-volume
three-way
three-way receiver
three-way spread
three-way switch
three-wayed
three-week
three-weekly
three-wheeled
three-wheeler
three-winged
three-wire
three-wire cable
three-wire generator
three-wire system
three-wive
three-woods
three-wormed
three-year
three-year-old
three-years
threefold block
threefold purchase
threefold tackle
threepenny bit
threepenny piece
threescore and ten
threescore years and ten
thresh out
thresh over
thresher shark
thresher whale
threshing floor
threshing machine
threshold exposure
threshold frequency
threshold of sensation
thrice and four times blessed
thrice happy
thrice-accented
thrice-blessed
thrice-boiled
thrice-crowned
thrice-famed
thrice-great
thrice-happy
thrice-honorable
thrice-noble
thrice-sold
thrice-told
thrice-venerable
thrice-worthy
thrift shop
thrift society
thrift stamp
thrifty person
thrill killer
thrill of fear
thrill seeker
thrill to
thrill-crazed
thrill-exciting
thrill-less
thrill-pursuing
thrill-sated
thrill-seeking
thriller-diller
thrilling all over
thriving condition
throat brail
throat cavity
throat halyards
throat microphone
throat mike
throat plate
throat seizing
throat sheet
throat sweetbread
throat track
throat-clearing
throat-clutching
throat-cracking
throat-full
throat-latch
throat-slitting
throat-swollen
throbbing pain
throes of death
throgmorton street
thrombo-
throne of God
throne room
throne-born
throne-capable
throne-shattering
throne-worthy
throned on highest bliss
throng in
throng with
throstle cock
throstle-cock
throttle down
throttle lever
throttle valve
throttling bar
throttling governor
through and through
through bass
through bolt
through bond
through bridge
through check
through cut
through fire and water
through message
through rate
through retort
through road
through shake
through stane
through stone
through street
through switch
through the agency of
through the good offices of
through the instrumentality of
through the medium of
through the mill
through the night
through thick and thin
through way
through with
through with a fine-tooth comb
through-
through-and-through
through-blow
through-carve
through-cast
through-composed
through-drainage
through-drive
through-formed
through-galled
through-iether
through-joint
through-key
through-lance
through-mortise
through-nail
through-other
through-passage
through-pierce
through-rod
through-shoot
through-splint
through-stone
through-swim
through-thrill
through-toll
through-tube
through-tube boiler
throughout the ages
throughout the course of
throughout the world
throw a curve
throw a curve ball
throw a fight
throw a fit
throw a game
throw a lot of weight
throw a party
throw a pass
throw a pot
throw a scare into
throw a sop to
throw a stone at
throw a wet blanket on
throw a whammy
throw a wrench in the machinery
throw about
throw at
throw away
throw away the opportunity
throw away the prepared text
throw away the scabbard
throw away the speech
throw back
throw blind fear into
throw cold water on
throw doubt upon
throw down
throw down the gage
throw down the gauntlet
throw down the glove
throw down your arms
throw downstairs
throw dust in your eyes
throw forth
throw good money after bad
throw in
throw in prison
throw in the face of
throw in the sponge
throw in the towel
throw in together
throw in with
throw in your teeth
throw into a snit
throw into a stew
throw into a swivet
throw into a tizzy
throw into confusion
throw into disorder
throw into jail
throw into the shade
throw lathe
throw light on
throw light upon
throw line
throw money around
throw mud at
throw of dice
throw of the dice
throw off
throw off all disguise
throw off balance
throw off the scent
throw off your guard
throw on
throw on one's beam end
throw on paper
throw on the junk heap
throw on the market
throw on your beam ends
throw open
throw open to
throw out
throw out a feeler
throw out a hint
throw out a smoke screen
throw out of gear
throw out of joint
throw out of order
throw out on your ear
throw out the window
throw out your chest
throw over
throw overboard
throw rug
throw stick
throw stones at
throw the book at
throw the bull
throw the first stone
throw the spotlight on
throw to the dogs
throw together
throw under the jailhouse
throw up
throw up the cards
throw up your hands
throw your arms around
throw your back at
throw your hat in the ring
throw your money away
throw your weight around
throw your weight into the scale
throw yourself at the feet of
throw yourself at the head of
throw yourself into
throw yourself into the arms of
throw yourself on
throw yourself on your knees
throw-
throw-back
throw-crook
throw-forward
throw-in
throw-off
throw-on
throw-over
throw-stick
throwing away
throwing downstairs
throwing engine
throwing iron
throwing knife
throwing net
throwing open
throwing out
throwing overboard
throwing power
throwing stick
throwing your hat in the ring
throwing-in
throwing-stick
thrown away
thrown for a loss
thrown into the shade
thrown over
thrown silk
thrown together
thrum-eyed
thrush blackbird
thrush brown
thrush fungus
thrush lichen
thrush nightingale
thrush tit
thrush-breast heart
thrust and parry
thrust aside
thrust at
thrust augmentation
thrust augmenter
thrust back
thrust bearing
thrust coefficient
thrust deduction
thrust down
thrust fault
thrust hoe
thrust in
thrust in the face of
thrust out
thrust over
thrust plane
thrust shaft
thrust to one side
thrust upon
thrust yourself forward
thrust yourself upon
thrusting under
thuja oil
thulium oxide
thumb a ride
thumb ball
thumb bottle
thumb box
thumb cleat
thumb down
thumb flint
thumb glass
thumb hole
thumb holing
thumb index
thumb knot
thumb lancet
thumb lock
thumb loose
thumb notch
thumb nut
thumb one's nose at
thumb over
thumb pad
thumb pin
thumb piston
thumb plane
thumb pot
thumb ring
thumb rule
thumb through
thumb turn
thumb your nose
thumb your nose at
thumb your way
thumb-and-finger
thumb-fingered
thumb-index
thumb-kissing
thumb-made
thumb-mark
thumb-marked
thumb-nail
thumb-ring
thumb-rope
thumb-screw
thumb-shaped
thumb-stall
thumb-sucker
thumb-sucking
thumb-worn
thumbing a ride
thumbnail sketch
thumbs down
thumbs up
thumbs-down
thumbs-up
thump in
thump the tub for
thump-cushion
thumped-in landing
thunder against
thunder along
thunder and lightning
thunder at the top of your voice
thunder ax
thunder forth
thunder god
thunder gods
thunder mug
thunder of applause
thunder planet
thunder plant
thunder pumper
thunder rod
thunder snake
thunder spirit
thunder tube
thunder-armed
thunder-baffled
thunder-bearer
thunder-blast
thunder-breathing
thunder-charged
thunder-clap
thunder-cloud
thunder-darting
thunder-delighting
thunder-dirt
thunder-fearless
thunder-footed
thunder-forging
thunder-fraught
thunder-free
thunder-girt
thunder-god
thunder-guiding
thunder-gust
thunder-hid
thunder-laden
thunder-maned
thunder-rejoicing
thunder-riven
thunder-ruling
thunder-scarred
thunder-scathed
thunder-shod
thunder-slain
thunder-smitten
thunder-splintered
thunder-split
thunder-splitten
thunder-stone
thunder-storm
thunder-teeming
thunder-throwing
thunder-thwarted
thunder-tipped
thunder-tongued
thunder-voiced
thunder-wielding
thunderstorm cirrus
thus and so
thus and thus
thus far
thus far and no farther
thwacking frame
thwacking horse
thwacking knife
thwacking stool
thwaite shad
thwart motion
thwart-marks
thwart-ship
thwartwise motion
thy name is woman
thy nature's weakness
thyine wood
thym-
thyme camphor
thyme dodder
thyme oil
thyme-capped
thyme-fed
thyme-flavored
thyme-grown
thyme-leaved
thyme-scented
thymic acid
thymo-
thymol blue
thymonucleic acid
thymus death
thymus gland
thymus histone
thyr-
thyrd-
thyro-
thyroid gland
thyroid-stimulating hormone
ti palm
ti tree
tib-cat
tibetan terrier
tibeto-burman
tibio-
tic douloureux
tic-polonga
tic-tac-toe
tick bird
tick clover
tick doleru
tick fancy
tick fever
tick off
tick over
tick paralysis
tick trefoil
tick-a-tick
tick-bird
tick-borne typhus
tick-tack
tick-tack-toe
tick-tack-too
tick-tick
ticked off
ticker market
ticker tape
ticker-tape parade
ticket agency
ticket agent
ticket booth
ticket chopper
ticket clerk
ticket collector
ticket day
ticket gate
ticket holder
ticket maker
ticket night
ticket of admission
ticket of leave
ticket office
ticket porter
ticket printer
ticket punch
ticket rack
ticket scalper
ticket taker
ticket varnisher
ticket window
ticket writer
ticket-canceling
ticket-counting
ticket-dating
ticket-making
ticket-of-leave
ticket-of-leave man
ticket-of-leaver
ticket-porter
ticket-printing
ticket-registering
ticket-selling
ticket-vending
tickets of leave
tickety-boo
ticking work
tickle grass
tickle in the palm
tickle pink
tickle the fancy
tickle the palate
tickle the palm
tickle to death
tickle your fancy
tickle-footed
tickle-headed
tickle-heeled
tickle-toby
tickle-tongued
tickled pink
tickled to death
tickled with a straw
tickler coil
tickler file
ticklish business
ticklish issue
ticklish spot	
tickly-benders
tickseed sunflower
ticktack man
tidal amplitude
tidal basin
tidal bench mark
tidal bore
tidal current
tidal current chart
tidal datum
tidal flat
tidal flats
tidal flood
tidal flow
tidal light
tidal pond
tidal pool
tidal range
tidal stream
tidal wave
tide boat
tide chart
tide crack
tide day
tide gage
tide gate
tide gauge	
tide hole
tide lock
tide mill
tide of time
tide over
tide pole
tide pool
tide predictor
tide race
tide register
tide rip
tide staff
tie clasp
tie clip
tie conductor
tie cord
tie down
tie dyeing
tie feeder
tie hand and foot
tie in
tie in a reef
tie in with
tie knot
tie line
tie mill
tie off
tie one on
tie periwig
tie plate
tie point
tie post
tie rod
tie rope
tie silk
tie stay
tie strap
tie tack
tie the hands of
tie the knot
tie the nuptial knot
tie the wedding knot
tie up
tie up with
tie up with red tape
tie up your money in
tie wall
tie your hands
tie-
tie-and-dye
tie-down
tie-dyeing
tie-in
tie-in sale
tie-off rail
tie-on
tie-out
tie-plater
tie-tie
tie-up
tie-wig
tied down
tied house
tied image
tied letters
tied score
tied to your apron strings
tied up
tied up in
tier building
tier ranger
tier shot
tier table
tierce de Picardie
tierce major
tierce minor
tierce point
tierce rhyme	
tiers etat
tiers-argent
ties of affection
ties of blood	
tiger beetle
tiger bittern
tiger cat
tiger chop
tiger cocoa
tiger cowrie
tiger finch
tiger fish
tiger frog
tiger grass
tiger heart
tiger lily
tiger milk
tiger mosquito
tiger moth
tiger python
tiger salamander
tiger shark
tiger shell
tiger snake
tiger swallowtail
tiger wolf
tiger's milk
tiger's-eye
tiger-cat
tiger-footed
tiger-lily heart
tiger-looking
tiger-marked
tiger-minded
tiger-mouth
tiger-passioned
tiger-spotted
tiger-striped
tight cooper
tight discipline
tight fit
tight grip
tight hand
tight joint
tight money
tight purse strings
tight rein
tight rope
tight ship
tight spot
tight squeeze
tight-ankled
tight-belted
tight-bodied
tight-booted
tight-bound
tight-clap
tight-clenched
tight-closed
tight-draped
tight-drawn
tight-fisted
tight-fitting
tight-gartered
tight-hosed
tight-knit
tight-laced
tight-limbed
tight-lipped
tight-looking
tight-made
tight-mouthed
tight-necked
tight-packed
tight-pressed
tight-reining
tight-rooted
tight-set
tight-shut
tight-skinned
tight-skirted
tight-sleeved
tight-stretched
tight-tie
tight-valved
tight-waisted
tight-wound
tight-woven
tight-wristed
tighten the purse strings
tighten your belt
tightening pulley
tightrope walker
tiglic acid
til oil
til seed
til tree
tile drain
tile hook
tile kiln
tile maker
tile ore
tile painter
tile pin
tile pipe
tile red
tile roof
tile setter's hammer
tile-clad
tile-covered
tile-fish
tile-pin
tile-red
tile-roofed
till alarm
till basket
till death
till death do us part
till doomsday
till hell freezes over
till money
till now
till shrimps learn to whistle
till the cows come home
till the end of time
till the soil
till then
till time runs out
till time stops
till you are blue in the face
till you're blue in the face
tiller bow
tiller chains
tiller lines
tiller of the soil
tiller rope
tilleul green	
tilly-fally
tilly-vally	
tilt angle
tilt at	
tilt at windmills
tilt boat	
tilt bonnet
tilt hammer
tilt mill
tilt roof	
tilt steel
tilt with	
tilt-boat
tilt-hammer	
tilt-top table
tilt-up
tilt-yard	
tilting chest
tilting conveyor	
tilting fillet
tilting ground
tilting hammer
tilting helmet
tilting level
tilting yard
tim-whiskey	
timbale case	
timbale iron	
timber bamboo	
timber bar	
timber beetle	
timber borer	
timber contractor	
timber cruiser	
timber cutter	
timber estimating	
timber estimator
timber faller
timber forest
timber frame
timber grapple
timber grouse
timber hitch
timber jumper
timber knot
timber leader
timber limit
timber line
timber loader
timber mare
timber marker
timber measurer
timber mill
timber preserver
timber rattlesnake
timber right
timber rot
timber scribe
timber shifter
timber toe
timber topper
timber topping
timber tower
timber tree
timber unloader
timber wheels
timber wolf
timber worm
timber yard
timber-boring
timber-built
timber-carrying
timber-ceilinged
timber-covered
timber-cutting
timber-devouring
timber-eating
timber-floating
timber-framed
timber-headed
timber-hitch
timber-laden
timber-line
timber-lined
timber-producing
timber-propped
timber-skeletoned
timber-strewn
timber-toed
timber-tree
timber-wood
timber-work
timber-yard
timbrel arch
timbrel vault
time about
time after time
time ahead
time allotment
time allowance
time and a half
time and again
time and motion
time and motion study
time and time again
time at bat
time at your command
time at your disposal
time azimuth
time ball
time bargain
time belt
time bill
time bomb
time book
time capsule
time card
time chart
time charter
time charter party
time clerk
time clock
time constant
time constants
time control
time copy
time delay
time deposit
time derivative
time detector
time discount
time draft
time drawing on
time enough
time error
time exposure
time fire
time flies
time fuse
time globe
time gun
time hanging on your hands
time hit
time immemorial
time in
time interval
time just ahead
time killer
time lag
time lamp
time lead
time limit
time loan
time lock
time machine
time marches on
time measurement
time money
time note
time of day
time of life
time of year
time of your life
time off
time on your hands
time out
time out of mind
time out of time
time pattern
time policy
time quadrature
time rating
time recorder
time runs out
time scale
time schedule
time selling
time sense
time series
time service
time sharing
time sheet
time shrapnel
time sight
time signal
time signature
time space
time spirit
time stamp
time star
time study
time switch
time thrust
time ticket
time to burn
time to catch your breath
time to come
time to kill
time to spare
time train
time trial
time triangle
time value
time was
time waster
time without end
time zone
time's caravan
time's forelock
time-authorized
time-ball
time-bargain
time-barred
time-battered
time-beguiling
time-bent
time-bettering
time-bewasted
time-binding
time-blackened
time-blanchef
time-born
time-bound
time-breaking
time-canceled
time-changed
time-cleft
time-consuming
time-delay relay
time-deluding
time-discolored
time-eaten
time-economizing
time-enduring
time-expired
time-exposure
time-fused
time-gnawn
time-halting
time-hastening
time-honored
time-honored practice
time-honoured
time-interval meter
time-keeper
time-killing
time-lag
time-lapse
time-lapse photography
time-lasting
time-limit
time-marked
time-measuring
time-mellowed
time-motion study
time-noting
time-out
time-pressed
time-rent
time-rusty
time-saver
time-saving
time-scarred
time-served
time-server
time-serving
time-sharing
time-shrouded
time-space
time-spirit
time-table
time-taught
time-temperature
time-temperature curve
time-tested
time-tried
time-wasted
time-wasting
time-wearied
time-white
time-withered
time-worn
timeo Danaos et dona ferentes
times of old
times of yore
times past
times without number
times, the
timing chain
timing gears
timing pulse
timing screw
timing unit
timing valve
timothy grass
tin ash
tin bronze
tin calciner
tin can
tin chloride
tin cow
tin cry
tin crystal
tin cup
tin dichloride
tin dioxide
tin disease
tin ear
tin fish
tin foil
tin frame
tin glaze
tin god
tin hare
tin hat
tin kettle
tin liquor
tin lizzie
tin loaf
tin monoxide
tin opener
tin ore
tin oxide
tin pail
tin pan alley
tin pest

tin plague

tin plate

tin plater

tin pot

tin pulp

tin putty

tin pyrite

tin pyrites

tin salt

tin shop

tin smelter

tin snips

tin soldier

tin spirit

tin spirits

tin spot

tin stream

tin streamer

tin streaming

tin tack

tin tetrachloride

tin wash

tin washing

tin wedding

tin whistle

tin-bearing

tin-bottomed

tin-bound

tin-bounder

tin-capped

tin-colored

tin-covered

tin-peed

tin-edged

tin-filled

tin-foil

tin-foil paper

tin-foilier

tin-glass

tin-glazed

tin-handled

tin-kettle

tin-kettler

tin-lined

tin-mailed

tin-opener

tin-pan
tin-pan alley
tin-plate
tin-plate worker
tin-plated
tin-plating
tin-pot
tin-pottery
tin-pottiness
tin-potty
tin-roofed
tin-stone
tin-tabled
tin-tack
tin-type
tin-whistle
tin-white	ina process	incture of iodine	incture of opium	incture press	inder fungus	inder-cloaked	inder-dry	inea barbae	ting ware	ting-a-ling	ingle with excitement	inhorn gambler	ink-a-tink	inker mackerel	inker up	inker's dam	inker's damn	inker's damn, a	inker's weed	inkle-tankle	inkle-tankling	inned dog	inned goods	inning stack	insel-bright	insel-clad	insel-covered	insel-embroidered	insel-paned	insel-slippered	int block	int for tant
tint meter
tint photometer
tint tool
tiny bit
tip and run
tip cap
tip car
tip cheese
tip crane
tip in
tip off
tip over
tip plant
tip roast
tip roll
tip sled
tip slide
tip speed
tip table
tip the hat to
tip the scale
tip the scales
tip truck
tip van
tip wagon
tip worm
tip your hand
tip-
tip-and-run
tip-cat
tip-crowning
tip-curled
tip-earfed
tip-finger
tip-in
tip-off
tip-on
tip-tap
tip-tilted
tip-top
tip-top table
tip-up
tip-up table
tippa-malku
tipper truck
tipper-off	tippet grebe
tippet-scuffle
tipping center
tippling house
tippling-house
tipsy cake
tipsy key
tipsy-cake
tipsy-topsy	
tire becker
tire bender
tire borer
tire buffer
tire carrier
tire case
tire cement
tire chain
tire changer
tire chipper
tire clamp
tire compressor
tire cooler
tire core
tire cover
tire curler
tire dresser
tire examiner
tire fastener
tire filler
tire finisher
tire fitter
tire gauge
tire heater
tire holder
tire iron
tire lacing
tire lock
tire mold
tire molder
tire out
tire preservative
tire press
tire pressman
tire prier
tire protector
tire pump
tire rack
tire remover
tire repairman
tire retreader
tire roller
tire setter
tire shaper
tire shoe
tire shrinker
tire stamper
tire tape
tire to death
tire tool
tire tread
tire tube
tire turner
tire upsetter
tire valve
tire vulcanizer
tire-bending
tire-changing
tire-filling
tire-heating
tire-inflating
tire-mile
tire-woman
bored and weary-laden
bored cliche
bored market
bored of
bored of living
bored out
bored to death
bored-armed
bored-eyed
bored-faced
bored-headed
bored-looking
bored-winged
boredsome work
boring house
boring irons
boring maid
boring room
boring woman
boring-house
boring-irons
boring-room
boring-wire
boring-wirepin
boring-wirepin
boring-wirepin
tishah-b'ab
tissue culture
tissue fibrinogen
tissue fluid
tissue paper
tissue-building
tissue-changing
tissue-destroying
tissue-forming
tissue-paper
tissue-producing
tissue-secreting
tisty-tosty
tit babbler
tit drill
tit for tat
tit in the wringer
tit screw
tit-bit
tit-tat-toe
tit-up
tita root
titading or caption
titan crane
titan-
titanic acid
titanic anhydride
titanic iron ore
titanic oxide
titanium dioxide
titanium oxide
titanium white
titano-
titer test
tithe barn
tithe collector
tithe gatherer
tithe man
tithe pig
tithe proctor
tithe-collecting
tithe-free
tithe-paying	
tithing-man	
title bearer	
title border	
title catalog
title catalogue
title deed
title deeds and papers
title essay
title hero
title insurance
title letter
title lining
title of honor
title page
title role
title space
title type
title-bearing
title-deed
title-holding
title-hunting
title-mad
title-page
title-seeking
title-winning	itter-totter	ittle-tattle	ittle-tattled	ittle-tattler	ittle-tattling	itular bishop	ityre-tu	iz-woz
to a T
to a certain extent
to a certainty
to a degree
to a draw
to a fare-thee-well
to a fare-ye-well
to a fare-you-well
to a fault
to a finish
to a frazzle
to a great degree
to a great extent
to a hair
to a large extent
to a man
to a nicety
to a small degree
to a small extent
to a standoff
to a tee
to a tie
to a tittle
to a turn
to advantage
to all appearances
to all intents and purposes
to all seeming
to an extent
to an inch
to and fro
to any end
to atone for
to be brief
to be counted on
to be counted on your fingers
to be depended upon
to be desired
to be exact
to be expected
to be fair
to be had
to be on the road
to be precise
to be preferred
to be reckoned on
to be relied upon
to be seen
to be specific
to be sure
to be trusted
to beat the Dutch
to beat the band
to beat the deuce
to beat the devil
to bits
to blame
to boot
to cite an instance
to come
to come to the point
to completion
to crown all
to cut the matter short
to date
to death
to do
to everywhere
to excess
to explain
to extremes
to fit the pocketbook
to gain some private ends
to gild refined gold
to go
to good account
to good effect
to good purpose
to good use
to grin like a Cheshire cat
to guess
to hand
to have and to hold
to have sex
to hawse
to heel
to hell and back
to his executors and assigns
to his heirs
to his heirs and assigns
to illustrate
to infinity
to judge by appearances
to kalon
to keep
to landward
to lease
to leeward
to let
to little purpose
to make a dent
to make a guess
to make a long story short
to name an instance
to no extent
to no purpose
to nourish a viper in your bosom
to one side
to order
to paint the lily
to perfection
to pieces
to post on a diagonal
to profit
to prove the point
to relieve yourself
to retain
to rights
to say nothing of
to sell
to shards
to shreds
to smitherens
to some degree
to some extent
to some purpose
to spare
to speak of
to speak truthfully
to splinters
to state the fact
to state the truth
to such an extent
to tatters
to tell the truth
to that place
to the account of
to the amount of
to the backbone
to the bad
to the best of your ability
to the best of your belief
to the best of your knowledge
to the bitter end
to the brim
to the contrary
to the core of
to the crack of doom
to the credit of
to the death
to the edge of doom
to the end
to the end of time
to the end that
to the extreme
to the eye
to the fore
to the four corners of the earth
to the four winds
to the front
to the full
to the good
to the heart of
to the heirs of his body
to the highest degree

to the hilt

to the king's taste

to the last gasp

to the last trumpet

to the left

to the letter

to the life

to the limit

to the manner born

to the marrow

to the memory of

to the minute

to the nth degree

to the nth power

to the past

to the point

to the point of exhaustion

to the purpose

to the queen's taste

to the rear

to the right

to the same degree

to the second

to the side

to the skies

to the sky

to the teeth

to the top of your bent

to the tune of

to the utmost

to the wind

to the windward

to the wise

to the zenith

to this day

to this place

to throw a perfume on the violet

to what extent

to what place

to which place

to windward

to wit

to year and day

to your account

to your amazement

to your astonishment

to your cost
to your credit
to your delight
to your disgust
to your displeasure
to your face
to your fancy
to your fingertips
to your great glee

to your great surprise
to your health
to your heart's content
to your knowledge

to your liking
to your mind

to your satisfaction
to your shame

to your shame be it spoken
to your surprise

to your taste
to your utmost
to your way of thinking

to-
to-and-fro
to-and-fros
to-and-ko
to-arrive
to-be
to-break
to-burst
to-day
to-do
to-dos
to-draw
to-drive
to-fall
to-morn
to-morrow
to-name
to-night
to-rend
to-rights
to-side
to-tear
to-year
toad bug
toad grass
toad lily
toad orchis
toad rush
toad snatcher
toad spit
toad spittle
toad spot
toad stabber
toad sticker
toad's-mouth
toad-bellied
toad-blind
toad-eat
toad-eater
toad-fish
toad-flax
toad-frog
toad-green
toad-hating
toad-housing
toad-in-the-hole
toad-legged
toad-shaped
toad-spotted
toad-swollen
toadstool disease
toady to
toad color
toad list
toad rack
toad water
toad-brown
toasted cheese sandwich
toasting fork
toasting iron
tobacco addiction
tobacco bagger
tobacco barn
tobacco beetle
tobacco belt
tobacco box
tobacco brown
tobacco bug
tobacco camphor
tobacco carton
tobacco case
tobacco chewing
tobacco cloth
tobacco cultivator
tobacco cutter
tobacco-box skate

- tobacco-breathed
- tobacco-growing
- tobacco-pipe
- tobacco-pipe clay
- tobacco-plant
- tobacco-sick
- tobacco-smoking
- tobacco-stained
- tobacco-stemming
- tobín's tube
- tobira family
- toboggan cap
- toboggan slide
- tobosa grass
- toby jug
- toc-toc
- toccata form
- tocharian a
- tocharian b
- tocher band
- tocher good
- toco-
- tod stove
- toddle along
- toddy bird
- toddy blossom
- toddy cat
- toddy ladle
- toddy palm
- toddy stick
- toddy table
- toddy tree
- toe and heel
- toe biter
- toe box
- toe calk
- toe cap
- toe clip
- toe crack
- toe dance
- toe dancer
- toe distance
- toe dog
- toe hardy
- toe hold
- toe kisser
- toe kissing
toe pilling
toe rail
toe ring
toe the line
toe the mark
toe upon
toe wall
toe weight
toe-dance
toe-danced
toe-dancing
toe-drop
toe-in
toe-mark
toe-punch
toffee dipper
toffee-apple
toffee-nosed
tog out
tog up
toga virilis
together on
together with
toggle bolt
toggle chain
toggle harpoon
toggle hook
toggle iron
toggle joint
toggle motion
toggle press
toggle rail
toggle riveter
toggle switch
toggle-joint press
toggle-jointed
togt-rider
togt-riding
tohu-bohu
toil and moil
toil and trouble
toil-assuaging
toil-beaten
toil-bent
toil-exhausted
toil-hardened
toil-marred
toil-oppressed
toil-stained
toil-stricken
toil-tried
toil-weary
toil-won
toil-worn
toile de Jouy
toile de jouy
toilet article
toilet atomizer
toilet bottle
toilet bowl
toilet brush
toilet cabinet
toilet case
toilet cloth
toilet cup
toilet glass
toilet goods
toilet hardware
toilet mirror
toilet paper
toilet powder
toilet room
toilet seat
toilet service
toilet set
toilet soap
toilet sponge
toilet table
toilet tissue
toilet training
toilet water
 toileing class
toisson d'or
tok-tokkie
token book
token coin
token gesture
token money
token of esteem
token of remembrance
token payment
token punishment
token ring
token sheet
token silver
token strike
token vote
token-money
tol de rol
tol-
tol-de-rol
tol-lol
tol-lol-de-rol
tol-lol-ish
tolerance limits
toll agent
toll bait
toll bar
toll board
toll bridge
toll call
toll clerk
toll collector
toll corn
toll dish
toll farmer
toll highway
toll inspector
toll line
toll road
toll thorough
toll traverse
toll turn
toll-book
toll-dish
toll-free
toll-gatherer
toll-house
tollhouse cooky
tolling dog
tolling of the knell
tolosa wood
tolu balsam
tolu resin
tolu tree
tolu-
toluene trichloride
toluene trifluoride
toluic acid
toluidine blue
toluidine red
toluric acid
toluyl radical
tolyl group
tolyl radical
tom and jerry
tom collins
tom hurry
tom pudding
tom tailor
tom thumb
tom tiddler's ground
tom turkey
tom-ax
tom-cod
tom-fool
tom-noddy
tom-tit
tom-toe
tom-tom
tom-trot
tomato aspic
tomato black rot
tomato blight
tomato bouillon
tomato can
tomato curly top
tomato eggplant
tomato fern
tomato fruitworm
tomato gall
tomato hamper
tomato hawk moth
tomato hornworm
tomato juice
tomato ketchup
tomato leaf blight
tomato leaf mold
tomato mosaic
tomato packer
tomato paste
tomato pulp
tomato puree
tomato red
tomato sauce
tomato scalding
tomato soup
tomato sphinx
tomato streak
tomato stripe
tomato transplanter
tomato trellis
tomato wilt
tomato worm
tomato yellows
tomato-colored
tomato-growing
tomato-leaf
tomato-washing
tomb bat
tomb house
tomb maker
tomb tower
tomb-bat
tomb-black
tomb-breaker
tomb-dwelling
tomb-making
tomb-paved
tomb-robbing
tomb-strewn
tomblike silence
tombstone marking
tomcat around
tomkin post
tommy bar
tommy book
tommy day
tommy gun
tommy hole
tommy master
tommy noddy
tommy shop
tommy system
tommy-axe
tommy-gun
ton-foot
ton-force
ton-kilometer
ton-mile
ton-mileage
ton-up
tonal gap
tonal island
tone accent
tone arm
tone cluster
tone color
tone colour
tone control
tone deafness
tone down
tone gap
tone grammar
tone island
tone language
tone long
tone measurer
tone of voice
tone of your voice
tone painting
tone pattern
tone picture
tone poem
tone poet
tone poetry
tone quality
tone row
tone syllable
tone tester
tone up
tone wheel
tone with
tone-deaf
tone-full
tone-producing
tone-setter
tone-up
toned down
tong borer
tongue and groove
tongue bar
tongue bird
tongue bit
tongue blade
tongue bone
tongue compressor
tongue cover
tongue depressor
tongue fern
tongue fish
tongue graft
tongue grafting
tongue grass
tongue hero
tongue in cheek
tongue joint
tongue pipe
tongue shell
tongue sole
tongue swallowing
tongue tree
tongue truck
tongue twister
tongue work
tongue worm
tongue-and-groove joint
tongue-back
tongue-baited
tongue-bang
tongue-bitten
tongue-blade
tongue-bound
tongue-dumb
tongue-flowered
tongue-free
tongue-front
tongue-garbled
tongue-gilt
tongue-graft
tongue-halted
tongue-hammer
tongue-jangling
tongue-kill
tongue-lash
tongue-lashing
tongue-leaved
tongue-lolling
tongue-murdering
tongue-pad
tongue-point
tongue-puissant
tongue-shaped
tongue-tack
tongue-taming
tongue-taw
tongue-tie
tongue-tied
tongue-tier
tongue-valiant
tongue-wagging
tongue-walk
tongue-wanton
tonguing plane
tonguing-and-grooving plane
tonic accent
tonic chord
tonic epilepsy
tonic key
tonic major
tonic minor
tonic motion
tonic section
tonic sol-fa
tonic sol-faist
tonic spasm
tonic treatment
tonic triad
tonic water
tonka bean
tonka bean camphor
tonka-bean camphor
tonka-bean wood
tonnage coefficient
tonnage deck
tonnage displacement
tonnage duty
tonnage length
tonnage opening
tonnage pool
tonnage train
tonnage well
tonneau cover
tonneau lamp
tonneau windshield
tono-
tonsill-
tonsured cleric
too bad
too big
too big for your britches
too big for your shoes
too clever by half
too deep for
too early
too far
too few
too frugal
too funny for words
too killing for words
too late
too little
too many cooks
too many irons in the fire
too much
too much at once
too much for
too much of a good thing
too much with us
too precious for words
too soon
too soon off the mark
too-aged
too-anxious
too-big
too-bigness
too-bold
too-celebrated
too-confident
too-coy
too-dainty
too-devoted
too-early
too-earnest
too-familiar
too-fervent
too-forced
too-good
too-hectic
too-large
too-late
too-lateness
too-laudatory
too-long
too-much
too-muchness
too-near
too-old
too-patient
too-piercing
too-proud
too-ripe
too-short
too-soon
too-soonness
too-timely
too-too
too-trusting
too-willing
too-wise
too-young
toodle-oo
tool angle
tool apron
tool bag
tool belt
tool boy
tool cabinet
tool car
tool carriage
tool carrier
tool cart
tool case
tool chest
tool coupling
tool demagnetizer
tool engineer
tool engineering
tool examiner
tool fasher
tool fettler
tool filer
tool finder
tool fitter
tool forge
tool forger
tool gauge
tool glazer
tool grinder
tool grinding
tool handle
tool heater
tool house
tool kit
tool lubricant
tool miller
tool oil
tool plane
tool post
tool press
tool rack
tool reclamer
tool regrinding
tool repairer
tool rest
tool roll
tool set
 tool sharpener
 tool shed
 tool shop
tool socket
tool spindle
tool stamper
tool stand
tool steel
tool storekeeper
tool subject
tool table
tool temper
tool tray
tool treating
tool truck
tool turner
tool wagon
tool whetter
tool-and-die maker
tool-cleaning
tool-cutting
tool-dresser
tool-dressing
tool-maker
tool-sharpening
tool-using
tooling up
toolroom lathe
tools and machinery
toot plant
toot your own horn
tooth and nail
tooth ax
tooth caliper
tooth chisel
tooth cleaner
tooth cough
tooth cress
tooth decay
tooth doctor
tooth edge
tooth fever
tooth filling
tooth for tooth
tooth forceps
tooth fungus
tooth gauge
tooth key
tooth mark
tooth ornament
tooth paste
tooth plane
tooth plugger
tooth powder
tooth puller
tooth pulp
tooth rail
tooth rash
tooth relic
tooth sac
tooth shell
tooth violet
tooth wheel
tooth wound
tooth-billed
tooth-bred
tooth-brush
tooth-chattering
tooth-drawer
tooth-extracting
tooth-leaved
tooth-marked
tooth-pulling
tooth-rounding
tooth-set
tooth-setting
tooth-shaped
tooth-shell
tooth-tempting
tooth-winged
toothache grass
toothache tree
toothbrush tree
toothed whale
toothed-billed
toothful grin
tothing plane
toothy-peg
tootle bug
tootsy-wootsies
tootsy-wootsy
top banana
top beam
top billing
top block
top boot
top boots
top brass
top burton
top cinder
top cleaner
top cow
top deck
top dog
top drawer
top dresser
top dressing
top executive
top flight
top floor
top gallery
top grafting
top hamper
top hat
top horse
top lift
top light
top line
top liner
top milk
top notch
top of house
top of the world
top off
top out
top part
top people
top price
top priority
top round
top secret
top sergeant
top shape
top side
top slice
top slicing
top speed
top spin
top spot
top the
top timber
top up
top yeast
top-armor
top-boot
top-cap
top-castle
top-coated
top-cross
top-cutter
top-dog
top-drain
top-drawer
top-dress
top-dressing
top-flight
top-full
top-graft
top-hamper
top-hampered
top-hand
top-hat
top-hatted
top-heavily
top-heaviness
top-heavy
top-heavy market
top-hole
top-level
top-lit
top-notch
top-over-tail
top-piece
top-rank
top-ranking
top-road bridge
top-sawyer
top-secret
top-set
top-sew
top-shaped
top-shell
top-stone
top-timber
top-work
topaz quartz
topaz rock
topaz-colored
topaz-green
topaz-tailed
topaz-throated
topaz-tinted
topaz-yellow
toper's-plant
topgallant mast
topgallant sail
topgallant yard
tophus stone
topic of the day
topic sentence
topical anesthetic
topical outline
topknot pigeon
topo-
topographic chart
topographico-mythical
topological equivalence
topological group
topological invariant
topological space
topological transformation
topping lift
topping off
topping-off
topping-out course
topple down
topple over
tops, the
topsail schooner
topsail-tye
topsy-turn
topsy-tumness
topsy-turvical
topsy-turvie
topsy-turvification
topsy-turvifier
topsy-turvf
topsy-turvily
topsy-turveness
topsy-turvy
topsy-turvydom
topsy-turvyhood
topsy-turvyism
topsy-turvyist
topsy-turvyize
torch cactus
torch course
torch dance
torch flower
torch holder
torch light
torch lily
torch pine
torch race
torch singer
torch singing
torch song
torch staff
torch thistle
torch tree
torch-bearer
torch-fish
torch-light
torch-tree family
torch-wood
torchon board
torchon lace
torchon paper
torchwood family	
toreador pants
toric lens
toringo crab apple
torrent of Tantalus
tormentor wing
torn-down
tornado belt
tornado cellar
tornado cloud
tornado insurance
tornado lamp
tornado lantern
tornado-breeding
tornado-haunted
tornado-swept
toro bravo
tororo-konbu
tororo-kubu
torpedo battery
torpedo boat
torpedo body
torpedo bomber
torpedo boom
torpedo catcher
torpedo director
torpedo fish
torpedo mine
torpedo net
torpedo ram
torpedo rocket
torpedo room
torpedo sand
torpedo school
torpedo spar
torpedo station
torpedo stern
torpedo strike aircraft
torpedo tube
torpedo-boat
torpedo-boat catcher
torpedo-boat destroyer
torpedo-shaped
torque arm
torque converter
torque tube
torque wrench
torrent bow
torrent duck
torrent of rain
torrent-bitten
torrent-borne
torrent-braving
torrent-flooded
torrent-mad
torrent-swept
torrid heat
torrid zone
torsion angle
torsion axis
torsion balance
torsion bar
torsion basin
torsion curve
torsion galvanometer
torsion group
torsion head
torsion meter
torsion pendulum
torsion scale
torsion screw
torsion spasm
torsion spring
torsion-free group
torsional stress
torso murder
tort-feasor
tortoise beetle
tortoise flower
tortoise plant
tortoise shell
tortoise that supports the earth
tortoise's pace
tortoise-core
tortoise-footed
tortoise-headed
tortoise-paced
tortoise-rimmed
tortoise-roofed
tortoise-shaped
tortoise-shell
tortoise-shell butterfly
tortoise-shell cat
tortoise-shell turtle
tortoiseshell turtle
torture the law to your own ends
torus palatinus
tory democracy
tory-rory
tosh nailing
tosh-up
toss and tumble
toss and turn
toss around
toss at
toss down
toss off
toss out
toss overboard
toss the head
toss together
toss up
toss your cookies
toss your drink
toss your hat in the ring
toss-up
tossed salad
tossing and turning
tossing-in	 tot system
tot to
tot up	 tot up to
total abstinence
total agreement
total approach
total attention
total bases
total blindness
total change
total commitment
total compensation
total darkness
total defeat
total depravity
total differential
total eclipse
total effect
total environment
total heat
total immersion
total impression
total impulse
total internal reflection
total loss
total loss only policy
total memory
total quantum number
total recall
total reflection
total self-assurance
total serialism
total situation
total skepticism
total theater
total up
total up to
total utility
total victory
total war
totalitarian government
totalitarian regime
totalitarian threat
totality of associations
totality of being
totality of references
totality of relations
totally absorbed
totally committed
totally ordered set
totally self-assured	
tote bag
tote board
tote box
tote road
tote sack
tote shop
tote to
tote up
tote up to
totem animal
totem badge
totem kin
totem pole
toti-
totidem verbis
toties quoties	
toto caelo
toto-
totter along
totter on the brink
totter to your fall	
tottery in years
totty-headed
touch a chord
touch a nerve
touch a nerve ending
touch a raw nerve
touch a soft spot
touch a sore spot
touch a sympathetic chord
touch a tender spot
touch and go
touch body
touch bottom
touch cerate
touch down
touch elbows with
touch football
touch judge
touch lightly
touch mark
touch method
touch needle
touch of conscience
touch off
touch on
touch on the raw
touch paper
touch reader
touch shoulders with
touch spot
touch system
touch the cap
touch the hat
touch the wind
touch to the quick
touch typewriter
touch typewriting
touch up
touch upon
touch upon in passing
touch upon lightly
touch where it hurts
touch writer
touch writing
touch your heart
touch-
touch-and-go
touch-box
touch-hole
touch-in goal
touch-in-goal
touch-in-goal line
touch-line
touch-me-not
touch-me-not-ish
touch-paper
touch-piece
touch-powder
touch-tackle
touch-type
touch-up
touched in the head
touched in the wind
touching down
tough as leather
tough break
tough cake
tough grind
tough guy
tough it out
tough job
tough lineup to buck
tough luck
tough nut to crack
tough out
tough pitch
tough pitch copper
tough policy
tough proposition
tough shit
tough tenacity of purpose
tough titty
tough-backed
tough-fibered
tough-fisted
tough-handed
tough-lived
tough-looking
tough-metaled
tough-minded
tough-mindedly
tough-mindedness
tough-muscled
tough-shelled
tough-sinewed
tough-skinned
tough-thonged
toujours perdrizx
tour billion
tour conductor
tour de force
tour director
tour en l'air
tour guide
tour jete
tour of duty
toura grass
touring car
touring coupe
tourist car
tourist card
tourist center
tourist class
tourist court
tourist home
tourist trap
tourist-crammed
tourist-haunted
tourist-infested
tourist-laden
tourist-ridden
tourist-trodden
tourmaline pink
tourmaline tongs
tours en l'air
tous-les-mois
tousled hair
tout a fait
tout a l'heure
tout au contraire
tout court
tout de suite
tout ensemble
tout le monde
tow boy
tow car
tow carder
tow carrier
tow cloth
tow hook
tow iron
tow mixer
tow post
tow sack
tow team
tow truck
tow wheel
tow-colored
tow-coloured
tow-feeder
tow-haired
tow-headed
tow-line
tow-made
tow-net
tow-netter
tow-netting
tow-path
tow-pung
tow-rope
tow-row
tow-spinning
towel gourd
towel horse
towel rack
towel rail
tower above
tower away
tower bastion
tower bolt
tower cap
tower chime
tower clock
tower cress
tower hill
tower house
tower light
tower mustard
tower of Pisa
tower of silence
tower of strength
tower over
tower owl
tower pound
tower projector
tower shell
tower stamp
tower telescope
tower wagon
tower window
tower-bearing
tower-capped
tower-crested
tower-crowned
tower-dwelling
tower-encircled
tower-flanked
tower-high
tower-mill
tower-razing
tower-shaped
tower-studded
tower-supported
tower-tearing
towering alps
towering heights
towering passion
towering rage
towing basin
towing bridle
towing lights
towing net
towing path
towing post
towing spar
town adjutant
town ball
town book
town boomer
town bridge
town bushel
town car
town church
town clerk
town clerkship
town council
town councilor
town cress
town crier
town dweller
town economy
town end
town foot
town forest
town gas
town guard
town hall
town head
town house
town jail
town life
town lot
town manager
town meeting
town mouse
town mutual
town officer
town park
town people
town place
town plan
town planner
town planning
town reeve
town row
town sickness
town soviet
town talk
town tallow
town top
town traveler
town wall
town way
town woman
town yard
town-absorbing
town-and-country suit
town-born
town-bound
town-bred
town-clerk
town-cress
town-dotted
town-dwelling
town-end
town-flanked
town-frequenting
town-girdled
town-goer
town-going
town-house
town-imprisoned
town-keeping
town-killed
town-living
town-looking
town-loving
town-made
town-major
town-meeting
town-pent
town-planning
town-sick
town-talk
town-tied
town-trained
town-weary
townhall clock
township line
township road
towrope horsepower
tox-
toxic goiter
toxic inflammation
toxic psychosis
toxic shock syndrome
toxic-
toxic-
toxin-anatoxin
toxin-antitoxin
toxin-antitoxin immunity
toxin-antitoxin immunization
toxo-
toxophore group
toy dog
toy manchester
toy poodle
toy shop
toy soldier
toy spaniel
toy terrier
toy with
toy-loving
toy-shop
toy-sized
tr-ties
tra-la
tra-la-la
trace buckle
trace chain
trace connector
trace down
trace element
trace fastener
trace holder
trace hook
trace horse
trace of an idea
trace out
trace over
trace spring
trace the derivation of
trace the origin of
trace to
trace-bearer
trace-galled
trace-high
tracer atom
tracer bullet
tracer element
tracer investigation
trache-
trachelo-
trachelo-occipital
tracheo-
trachio branchia
trachy-
tracing braid
tracing cloth
tracing paper
tracing thread
tracing wheel
track and field
track boat
track bolt
track brake
track chisel
track cleaner
trade journal
trade language
trade magazine
trade name
trade off
trade officer
trade on
trade on margin
trade paper
trade plate
trade practice
trade price
trade rat
trade reference
trade rights
trade road
trade route
trade sale
trade school
trade secret
trade sight unseen
trade test
trade tomahawk
trade union
trade unionism
trade unionist
trade up
trade warranty
trade wind
trade winds
trade with
trade work
trade-bound
trade-destroying
trade-facilitating
trade-fallen
trade-gild
trade-in
trade-laden
trade-last
trade-made
trade-mark
trade-mark infringement
trade-mark name
trade-marker
trade-off
trade-seeking
trade-union
trade-unionism
trade-unionist
trade-wind
trade-wind rig
trademark name
trades board
trades council
trades hall
trades-union
trades-unionism
trades-unionist
trading account
trading estate
trading market
trading post
trading stamp
tradition-bound
tradition-fed
tradition-following
tradition-making
tradition-nourished
tradition-ridden
traditional grammar
traditional logic
traditor battery
traffic beacon
traffic circle
traffic constable
traffic control
traffic control signal
traffic cop
traffic court
traffic density
traffic director
traffic engineering
traffic in
traffic in women
traffic island
traffic jam
traffic law
traffic light
traffic manager
traffic of the stage
traffic officer
traffic pattern
traffic policeman
traffic post
traffic regulator
traffic sheet
traffic shifter
traffic signal
traffic squad
traffic tower
traffic warden
traffic with
traffic-bearing
traffic-choked
traffic-congested
traffic-furrowed
traffic-laden
traffic-mile
traffic-regulating
traffic-thronged
traged-proof
trag-
trag-comedy
trag-comic
tragic drama
tragic flaw
tragic irony
tragic muse
tragic-comedy
trail after
trail along
trail angle
trail arms
trail away
trail bar
trail behind
trail bike
trail blazer
trail blazing
trail board
trail boss
trail breaker
trail bridge
trail car
trail cart
trail ferry
trail handspike
trail herd
trail net
trail of
trail plank
trail plate
trail rope
trail sight
trail spade
trail spur
trail-eye
trail-marked
trail-weary
trail-wise
trailer camp
trailer car
trailer court
trailer park
trailer truck
trailing arbutus
trailing edge
trailing evergreen
trailing fuchsia
trailing myrtle
trailing phlox
trailing vortex drag
trailing-point
trailing-point switch
train butcher
train caller
train conductor
train crew
train dispatcher
train flagman
train foreman
train guard
train hand
train indicator
train inspector
train jumper
train legs
train line
train mileage
train of thought
train off
train oil
train pipe
train recorder
train reporter
train robber
train room
train rope
train schedule
train service
train shed
train sheet
train sickness
train signal
train spotter
train staff
train starter
train stop
train tackle
train ticket
train trip
train upon
train wrecker
train-dispatching
train-giddy
train-lighting
train-mile
trained nurse
trainer-bomber
trainer-fighter
training aid
training bank
training college
training day
training group
training level
training missile
training mission
training pants
training rocket
training school
training ship
training table
training tackle
training wall
trait of character
trait-complex
trajectory missile
tram crane
tram greaser
tram guard
tram load
tram plate
tram rail
tram rod
tram shed
tram-borne
tram-car
tram-line
<table>
<thead>
<tr>
<th>tram-road</th>
<th>tram-traveling</th>
</tr>
</thead>
<tbody>
<tr>
<td>trammel net</td>
<td>trammel wheel</td>
</tr>
<tr>
<td>trammel-net</td>
<td>tramp pick</td>
</tr>
<tr>
<td>tramp ship</td>
<td>tramp steamer</td>
</tr>
<tr>
<td>trample down</td>
<td>trample in the dust</td>
</tr>
<tr>
<td>trample on</td>
<td>trample out</td>
</tr>
<tr>
<td>trample under foot</td>
<td>trample underfoot</td>
</tr>
<tr>
<td>trample upon</td>
<td>trampling down</td>
</tr>
<tr>
<td>trance speaking</td>
<td>trance state</td>
</tr>
<tr>
<td>trance writing</td>
<td>tranche de bouf</td>
</tr>
<tr>
<td>tranche de lard</td>
<td>tranche de vie</td>
</tr>
<tr>
<td>tranquil-acting</td>
<td>tranquil-looking</td>
</tr>
<tr>
<td>tranquil-ization</td>
<td>tranquil-minded</td>
</tr>
<tr>
<td>trans-Adriatic</td>
<td>trans-African</td>
</tr>
<tr>
<td>trans-Algerian</td>
<td>trans-Alleghenian</td>
</tr>
<tr>
<td>trans-American</td>
<td>trans-Andean</td>
</tr>
<tr>
<td>trans-Andine</td>
<td>trans-Antarctic</td>
</tr>
<tr>
<td>trans-Apennine</td>
<td>trans-Aradian</td>
</tr>
<tr>
<td>trans-Arbanian</td>
<td>trans-Asian</td>
</tr>
<tr>
<td>trans-Australian</td>
<td>trans-Balkan</td>
</tr>
<tr>
<td>trans-Baltic</td>
<td>trans-Canadian</td>
</tr>
<tr>
<td>trans-Carpathian</td>
<td>trans-Caspian</td>
</tr>
<tr>
<td>trans-Congo</td>
<td>trans-Cordilleran</td>
</tr>
<tr>
<td>trans-Danubian</td>
<td></td>
</tr>
</tbody>
</table>
trans-Egyptian
trans-Euphrates
trans-Germanic
trans-Grampian
trans-Himalayan
trans-Hispanic
trans-Iberian
trans-Indian
trans-Indus
trans-Iranian
trans-Iraq
trans-Jovian
trans-Liberian
trans-Libyan
trans-Manchurian
trans-Martian
trans-Mediterranean
trans-Mississippi
trans-Mississippian
trans-Mongolian
trans-Neptunian
trans-Niger
trans-Panamanian
trans-Paraguayan
trans-Persian
trans-Pyrenean
trans-Rhenish
trans-Sahara
trans-Saharan
trans-Saturnian
trans-Severn
trans-Siberian
trans-Stygian
trans-Tiber
trans-Tibetian
trans-Ural
trans-Uralian
trans-Volga
trans-border
trans-continental
trans-etherian
trans-frontier
trans-oceanic
trans-pacific
trans-shape
trans-shift
trans-sonic
trans-subjective
transact business
transact business with
transactional analysis
transcendent essence
transcendent idea
transcendent universal
transcendent wonder
transcendental aesthetic
transcendental analytic
transcendental dialectic
transcendental idealism
transcendental logic
transcendental meditation
transcendental number
transcendental object
transcendental philosophy
transcription turntable
transfer RNA
transfer agent
transfer book
transfer box
transfer caliper
transfer case
transfer company
transfer conductance
transfer day
transfer fee
transfer ink
transfer list
transfer of property
transfer of right
transfer of training
transfer paper
transfer payment
transfer picture
transfer printing
transfer property
transfer resistance
transfer right
transfer stamp
transfer table
transferable vote
transference neurosis
transference number
transferred meaning
transferred sense
transferring machine
transfinite cardinal
transfinite number
transfinite ordinal
transformation myth
transformation range
transformation rule
transformation scene
transformation temperature
transformational grammar
transformational linguistics
transformational rule
transformer oil
transfuse the sense of
transfusion cell
transfusion tissue
transient boarder
transient cause
transient guest
transient lodging
transient state
transistor circuit
transistor hearing aid
transistor physics
transistor radio
transit camp
transit certificate
transit circle
transit compass
transit department
transit duty
transit floater
transit instrument
transit pass
transit prism
transit privileges
transit rot
transit station
transit theodolite
transit time
transition curve
transition element
transition fit
transition form
transition mission
transition point
transition probability
transition sound
transition strip
transition temperature
transition tint
transitive verb
transitive visit number
transitory action
translate into
translate into action
translating roller
translation of axes
translucent things
transmigration of souls
transmission bands
transmission belting
transmission cable
transmission case
transmission chain
transmission clutch
transmission density
transmission dynamometer
transmission efficiency
transmission electron microscope
transmission factor
transmission gear
transmission grating
transmission level
transmission line
transmission lock
transmission loss
transmission of light
transmission pulley
transmission pump
transmission rope
transmission shaft
transmission sheaf
transmission stop system
transmission theory
transmission tower
transmission unit
transmission wheel
transmit warrant
transmit-receive unit
transmit-receiver
transmitter part
transmitter parts
transmitter receiver
transmitter signal
transmitter truck
transmitting antenna
transmitting set
transmitting station
transoceanic rocket
tansom adjuster
tansom bar
tansom butt
tansom catch
tansom center
tansom chain
tansom eye
tansom frame
tansom knee
tansom lift
tansom light
tansom operator
tansom plate
tansom stern
tansom window
tansom-stered
tanson barrier
transparent color
transparent item
transparent substance
transparent things
transpartisan leadership
transpersonal therapy
transphysical science
transpiration current
transport caf
transport number
transport rider
transport riding
transport ship
transport vessel
transportation corps
transportation engineer
transportation insurance
transportation map
transporter bridge
transposed conjug
transposed conjugate
transposed matrix
transposing instrument
transposition cipher
transposition method
transsonic speed
transverse colon
transverse flute
transverse magnification
transverse presentation
transverse process
transverse section
transverse vibrations
transverse wave
trap bat
trap bat and ball
trap brilliant
trap bushing
trap car
trap clamp
trap cleaner
trap cover
trap crop
trap cut
trap door
trap driver
trap drummer
trap fisher
trap hatch
trap lever
trap line
trap match
trap nest
trap net
trap on the ropes
trap play
trap screw
trap shot
trap stair
trap tree
trap tuff
trap vent
trap weir
trap window
trap-ball
trap-cut
trap-door
trap-door spider
trap-nester
trapeze artist
trapeze dress
trapezoid ligament
trapezoidal rule
trash bag
trash barrel
trash can
trash farming
trash gatherer
trash ice
trash pile
trash shield
trash turner
traumatic epilepsy
traumatic fever
traumatic inflammation
traumatic memory
traumatic neurosis
traumatic shock
traumatic trace
traumato-
travail and bring forth
travel agency
travel agent
travel book
travel bureau
travel by air
travel by airline
travel by water
travel in a groove
travel in a rut
travel in space
travel literature
travel over
travel ration
travel shot
travel sickness
travel the open road
travel through
travel time
travel with
travel-bent
travel-broken
travel-changed
travel-disordered
travel-enjoying
travel-famous
travel-formed
travel-gifted
travel-infected
travel-jaded
travel-loving
travel-mad
travel-met
travel-opposing
travel-parted
travel-planning
travel-sated
travel-sick
travel-soiled
travel-spent
travel-stained
travel-tainted
travel-tattered
travel-tired
travel-toiled
travel-weary
travel-worn
traveler crane
traveler iron
traveler's check
traveler's-joy
traveler's-tree
traveling agent
traveling bag
traveling block
traveling carriage
traveling case
traveling clock
traveling crab
traveling derrick
traveling elevator
traveling examiner
traveling fellowship
traveling grate
traveling hoist
traveling inspector
traveling man
traveling salesman
traveling tinker
traveling trunk
traveling woman
traveling-head shaper
traveling-wave tube
traveller's cheque
traveller's joy
travelling salesman
travelling wave
traverse a yard
traverse board
traverse circle
traverse drill
traverse feed
traverse flute

traverse jury
traverse rail
traverse rod
traverse sailing
traverse shaper
traverse survey
traverse table
traverse track
traverse wind
traverse-table
transversing bridge
transversing circle
transversing crane
transversing gear
transversing jack
transversing mandrel
travois road
trawl board
trawl line
trawl net
trawl-net
tray agriculture
tray boy
tray cloth
tray conveyer
tray elevator
tray emptier
tray filler
tray frame
tray handle
tray maker
tray table
tray-shaped
tray-top table
treacle mold
treacle molding
treacle mustard
treacle sleep
treacle water
treacle wormseed	
tread close upon
tread down
tread on
tread on air
tread on eggs	
tread on the heels of
tread on your heels
tread on your toes
tread the boards
tread under foot
tread underfoot
tread upon
tread upon eggs
tread water
tread-sofely
tread-wheel	
treading down
treading mill	
treading water	
treads and risers
treason felony
treason-breeding
treason-canting
treason-hatching
treason-haunted
treason-sowing
treasure box
treasure chamber
treasure chest
treasure city
treasure house
treasure hunt
treasure hunter
treasure hunting
treasure quest
treasure room
treasure seeker
treasure ship
treasure trove	
treasure up
treasure up in the heart
treasure up in the memory
treasure-baited
treasure-bearing
treasure-filled
treasure-house
treasure-houses
treasure-laden
treasure-seeking
treasure-trove
treasurer general
treasury agent
treasury bench
treasury bill
treasury bond
treasury certificate
treasury check
treasury letter
treasury note
treasury of information
treasury of merits
treasury of the Church
treasury of words
treasury stock
treasury warrant
treat as routine
treat for sore eyes
treat gently
treat lightly
treat like dirt under your feet
treat of
treat to
treat unequally
treat well
treat with
treat with contempt
treat with disrespect
treat with indignity
treat with reserve
treatment room
treaty maker
treaty making
treaty of peace
treaty port
treaty reinsurance
treaty-bound
treaty-breaking
treaty-favoring
treaty-sealed
treaty-secured	
treble best
treble block
treble bob
treble chance
treble clef
treble gear
treble purchase
treble staff
treble viol
treble-dated
treble-gear
treble-sinewed
tree agate
tree aloe
tree azalea
tree bear
tree belt
tree boa
tree bracket
tree cactus
tree calf
tree cat
tree celandine
tree class
tree clover
tree cobra
tree compass
tree cony
tree cotton
tree crab
tree creeper
tree cricket
tree crow
tree cult
tree cypress
tree dassie
tree dove
tree duck
tree farm
tree farmer
tree farming
tree feller
tree fender
tree fern
tree frog
tree fruit
tree fuchsia
tree germander
tree goldenrod
tree goose
tree guard
tree heath
tree holder
tree hoopoe
tree hopper
tree house
tree houseleek
tree huckleberry
tree hyrax
tree insulator
tree ipomoea
tree kangaroo
tree lark
tree lawn
tree lily
tree line
tree looker
tree lotus
tree lucern
tree lungwort
tree lupine
tree mallow
tree marking
tree marten
tree martin
tree medic
tree mildew
tree milk
tree molasses
tree moss
tree mouse
tree myrtle
tree nymph
tree of Jesse
tree of heaven
tree of knowledge
tree of life
tree of sadness
tree onion
tree orchis
tree partridge
tree peony
tree pie
tree pigeon
tree pipit
tree planter
tree planting
tree poke
tree poppy
tree porcupine
tree primrose
tree protector
tree pruner
tree root rot
tree rune
tree runner
tree scribe
tree shrew
tree snake
tree sorrel
tree sparrow
tree spirit
tree squirrel
tree steppe
tree stool
tree sugar
tree surgeon
tree surgery
tree swallow
tree swift
tree tag
tree tiger
tree toad
tree tobacco
tree tomato
tree trimmer
tree trunk
tree veld
tree violet
tree viper
tree wax
tree wool
tree wormwood
tree worship
tree worshiper
tree yucca
tree-banding
tree-bordered
tree-boring
tree-clad
tree-climbing
tree-covered
tree-creeper
tree-crowned
tree-dotted
tree-dwelling
tree-embowered
tree-feeding
tree-fern
tree-form frame
tree-fringed
tree-garnished
tree-girt
tree-god
tree-goddess
tree-goose
tree-great
tree-haunting
tree-hewing
tree-inhabiting
tree-lined
tree-living
tree-locked
tree-loving
tree-marked
tree-moss
tree-planted
tree-pruning
tree-ripe
tree-run
tree-runner
tree-sawing
tree-shaded
tree-shaped
tree-skirted
tree-sparrow
tree-spraying
tree-surgeon
tree-toad
tree-top
trelled cross	
trefoil arch
trefoil knot
trefoil-shaped
trek ox
trek wagon
trellis-bordered
trellis-covered
trellis-framed
trellis-shaded
trellis-sheltered
trellis-work
trellis-woven
tremble in the balance
tremble in your boots
tremble in your shoes
tremble like an aspen leaf
tremble on the verge
tremble to its fall
tremble to your fall
trembleuse cup
trembling in the balance
trembling poplar
trembling prairie	
tremor disk
tremor of excitement
trench albuminuria
trench artillery
trench back
trench bomb
trench cart
trench cavalier
trench coat
trench digger
trench disease
trench fever
trench foot
trench gun
trench knife
trench mortar
trench mouth
trench nephritis
trench plow
trench sickness
trench silo
trench warfare
trench-plough
trencher attendant
trencher cap
trencher companion
trencher critic
trencher friend
trencher knight
trencher philosopher
trencher plate
trencher poetry
trencher rascal
trencher slave
trencher time
trencher-cap
trencher-fed
trencher-man
trenching plane
trenching spade	
trend downward
trend of the times
trend upwards
trend-setter
trente et quarante
trente-et-quarante
tres bien
tres bon
tres vif
tres-tine
trespass board
trespass offering
tress-braiding
tress-encircled
tress-lifting
tress-plaiting
tress-shorn
tress-topped
trestle and table
trestle bed
trestle bent
trestle board
trestle bridge
trestle legs
trestle post
trestle table
trestle-tree	
trey-ace
trez-tine

tri-

tri-city

tri-ester

tri-iodide

tri-mide

tri-pack

tri-personal

tri-ply

tri-tunnel

tria juncta in uno

triakis-

trial and error

trial at the bar

trial balance

trial balloon

trial brief

trial by battle

trial by jury

trial case

trial court

trial docket

trial engagement

trial examiner

trial frame

trial glasses

trial heat

trial horse

trial impression

trial judge advocate
trial jury
trial lawyer
trial lenses
trial marriage
trial order
trial package
trial piece
trial print
trial proof
trial run
trial sample
trial square
trial trip
trial-and-error
trials and tribulations
triammonium phosphate
triangle inequality
triangle of forces
triangle spider
triangle winding
triangle-leaved
triangle-shaped
triangular bandage
triangular matrix
triangular-shaped
triangulation stations
triangulato-ovate
triaryl methane dye
triatic stay
triaxial cable
triaxial speaker
tribasic sodium phosphate
tribo-
tribrom-
tribromoethyl alcohol
tribute money
tribute pitch
tric-trac
trice up
triceps surae
trich-
trichlor-
trichloroacetic acid
trichloroacetic acid aldehyde
trichloroacetic acid aldehyde
trichloromethyl chloroformate
trichlorophenoxyacetic acid
trichlorophenoxyacetic acid
tricho-
trick knee
trick of behavior
trick of eyesight
trick off
trick or treat
trick out
trick rider
trick score
trick up
trick valve
trick wheel
trick work
trick-o-the-loop
trick-or-treat
trick-or-treater
tricked out
trickle away
trickle charge
trickle charger
trickle-down theory
tricks of the trade
tricky spot
tricolor camera
tricot stitch
tricuspid insufficiency
tricuspid stenosis
tricuspid valve
tricyanic acid
tridarn cupboard
trident bat
trident-shaped
tridymite-trachyte
tried and true
tried-and-trueness
triethyl orthoformate
trifacial neuralgia
trifid foot
trifle away
trifle away time
trifle with
trifle with the truth
trifles light as air
trifling amount
trifling matter
trifoliate orange
trig loop
trig up
trigeminal nerve
trigeminal neuralgia
trigesimo-secundo
trigger a mine
trigger circuit
trigger finger
trigger guard
trigger hair
trigger man
trigger mechanism
trigger plant
trigger pulse
trigger tube
trigger-happy
trigger-men
triggering pulse
triggering signals
trigonal trisoctahedron
trigono-
trigonometric equation
trigonometric function
trihydric alcohol
trilateral symmetry
trilby hat
trillium family
trim angle
trim by the head
trim by the stern
trim controls
trim rail
trim sail
trim ship
trim size
trim tab
trim tabs
trim to
trim up
trim your sails to the breeze
trim-ankled
trim-bearded
trim-bodiced
trim-bodied
trim-cut
trim-dressed
trim-hedged
trim-kept
trim-looking
trim-suited
trim-swept
trim-up
trim-waisted
trimetric projection
trimmer arch
trimmer beam
trimmer condenser
trimmer joist
trimmer signal
trimming capacitor
trimming hatch
trimming hole
trimming joist
trimming machine
trimming press
trimming punch
trimming store
trimming tab
trimming tank
trine immersion
trinitro-
trinity column
trinity field
trinity lily
trinity violet
trinkum-trankum
trinomial name
trio sonata
triode-heptode
trip catch
trip charter party
trip dial
trip die
trip dog
trip engine
trip gear
trip hammer
trip hook
trip line
trip money
trip over your own feet
trip over your tongue
trip piece
trip pin
trip rate
trip shaft
trip slip
trip system
trip the light fantastic
trip to Mars
trip to the moon
trip train
trip up
trip-free
trip-hammer
trip-madam
trip-toe
tripartite and pretty
tripe de roche
tripe dresser
tripe seller
tripe-de-roche
tripe-eating
tripe-selling
triphenylmethane color
triphosphoric acid
trip bond
triple counterpoint
triple crown
triple dresser
triple fugue
triple integral
triple jump
triple measure
triple play
triple plume
triple point
triple rhyme
triple rhythm
triple scalar product
triple superphosphate
triple tangent
triple tangent plane
triple threat
triple time
triple vaccine
triple-acting
triple-action
triple-awned
triple-apical
triple-arched
triple-awned
triple-barbed
triple-barred
triple-bearded
triple-bodied
triple-bolted
triple-branched
triple-check
triple-chorded
triple-colored
triple-crested
triple-crowned
triple-cylinder
triple-deck
triple-decked
triple-decker
triple-dyed
triple-edged
triple-entry
triple-expansion
triple-expansion engine
triple-formed
triple-gemmed
triple-hatted
triple-headed
triple-header
triple-hearth
triple-ingrain
triple-line
triple-lived
triple-lock
triple-nerved
triple-piled
triple-pole
triple-rayed
triple-ribbed
triple-rivet
triple-roofed
triple-space
triple-stranded
triple-tailed
triple-terraced
triple-thread
triple-throated
triple-throw
triple-tiered
triple-tongue
triple-tongued
triple-tonguing
triple-toothed
triple-towered
triple-turned
triple-turreted
triple-veined
triple-wick
triplet lily
triplicate-pinnate
triplicate-ternate
triplo-
tripod camera
tripod of the Pythia
tripod puller
tripod table
tripped out
tripped up
tripping coil
tripping line
tripping link
tripping relay
tripping transformer
trippingly on the tongue
trismus cynicus
trisodium phosphate
tristimulus computer
tristimulus values
trit-trot
trite expression
trite joke
trite saying
trito-
triumph over
triumphal arch
trivalent carbon
trivet table
trivial affair
trivial name
trobar clus	
trocar-shaped
trochlear nerve	
trocho-
trodden flat
troilus butterfly
trois point
trojan horse
trojan war	
troll plate
troll-drum
troll-madam	
trolley attendant
trolley block
trolley bracket
trolley bus
trolley car
trolley carrier
trolley catcher
trolley clip
trolley coach
trolley cord
trolley fork
trolley frog
trolley gong
trolley guard
trolley harp
trolley hoist
trolley insulator
trolley lace
trolley line
trolley locomotive
trolley maker
trolley pole
trolley rail
trolley retriever
trolley road
trolley shoe
trolley spring
trolley track
trolley tracking
trolley wagon
trolley wheel
trolley wire
tromba marina
trombe marine
trombone coil	troupe l’œil
tron weight
trone weight
troop carrier
troop duck
troop leader
troop school
troop train
troop transport
troop-lined
troop-thronged
troops of the line
troostite-martensite
troosto-martensite	trop-
tropaeolin D
trope of comparison
tropeolin D
troph-
trophic level
tropho-
trophy cress
trophy money
trophy room
trophy tax	
tropic bird
tropic of
tropic of Cancer
tropic of cancer
tropical aquarium
tropical bubo
tropical cycl
tropical cyclone
tropical fish
tropical heat
tropical medicine
tropical storm
tropical suit
tropical year
tropo-
trot along
trot out
troth ring	
troth-contracted
troth-keeping
troth-plight
troth-telling
trotter cases
trotting race
trou madame
trou-de-coup
trou-de-loup	
troubadour fiddle
troubadour poem
trouble maker
trouble man
trouble shooter
trouble shooting
trouble spot
trouble you for
trouble your head about
trouble yourself
trouble-bringing
trouble-free
trouble-giving
trouble-haunted
trouble-house
trouble-mirth
trouble-saving
trouble-shooter
trouble-tossed
trouble-worn
troubled mind
troubled thought
troubled waters		
trough battery
trough conveyor
trough gutter
trough iron
trough keel
trough line
trough roof
trough room
trough shape
trough-shaped
trouser press
trouser presser
trouser suit
trouser-press
trouser bass
trouse brook
trouse fishing
trouse fly
trouse lily
trouse perch
trout shad
trot stream
trot-colored
trot-famous
trot-haunted
trot-perch		
trowing bayonet
trowel-shaped
troy ounce
troy pound

troy weight

truant officer

truant school

truce flag

truce-hating

truce-seeking
truck box
tuck car
tuck crop
tuck driver
tuck farm
tuck farmer
tuck farming
tuck garden
tuck gardener
tuck gardening
tuck horse
tuck house
tuck jobber
tuck shot
tuck system
tuck tractor
tuck trailer
tucking house
tucking shot
tuckle bed
tuckle to
tuckle-bed
tuckman's knot
trudgen crawl
trudgen stroke
ttrue Christian
ttrue air speed
ttrue anomaly
ttrue as gospel
ttrue bearing
ttrue being
ttrue believer
ttrue bill
ttrue blue
ttrue bug
ttrue course
ttrue faith
ttrue fly
ttrue fresco
ttrue grit
ttrue heading
ttrue horizon
ttrue inwardness
ttrue jade
ttrue laurel
ttrue level
ttrue lover's knot
ttrue meaning
true north
ture rib
ttrue skin
ttrue time
ttrue to form
ttrue to life
ttrue to nature
ttrue to reality
ttrue to the facts
ttrue to the letter
ttrue to the spirit
ttrue to type
ttrue to your colors
ttrue up
ttrue vocal cord
ttrue vocal cords
ttrue-aimed
ttrue-based
ttrue-begotten
ttrue-believing
ttrue-blooded
ttrue-blue
ttrue-born
ttrue-breasted
ttrue-bred
ttrue-dealing
ttrue-derived
ttrue-devoted
ttrue-disposing
ttrue-divining
ttrue-eyed
ttrue-false
ttrue-false test
ttrue-felt
ttrue-grained
ttrue-hearted
ttrue-heartedness
ttrue-heroic
ttrue-life
ttrue-love
ttrue-love knot
ttrue-lover's knot
ttrue-made
ttrue-mannered
ttrue-meaning
ttrue-meant
ttrue-noble
ttrue-paced
true-ringing
true-run
true-seeming
true-souled
true-speaking
true-spelling
true-spirited
true-spoken
true-stamped
true-strung
true-sublime
true-sweet
true-thought
true-to-lifeness
true-toned
true-tongued
true-love knot
tromp and solemn heraldry
tromp card
tromp of doom
tromp signal
tromp up
tromp up a charge
tromp-poor	
tromped-up
tromped-up charge
tromped-up story
trompet animalcule
trompet arch
trompet ash
trompet blare
trompet blast
trompet call
trompet conch
trompet creeper
trompet daffodil
trompet fish
trompet flower
trompet fly
trompet forth
trompet honey suckle
trompet honeysuckle
trompet hypha
trompet lily
trompet major
trompet marine
trompet milkweed
trompet narcissus
trumpet of doom
trumpet plant
trumpet reed
trumpet seaweed
trumpet shell
trumpet sound
trumpet tree
trumpet turning
trumpet vine
trumpet-blowing
trumpet-creeper family
trumpet-hung
trumpet-leaf
trumpet-leaves
trumpet-loud
trumpet-shaped
trumpet-toned
trumpet-tongued
trumpet-tree
trumpet-voiced
trumpeter fish
trumpeter muscle
trumpeter perch
trumpeter swan
trumpeter whiting
truncated pyramid
trundle bed
trundle-bed
trundle-tail
trunk breeches
trunk buoy
trunk cabin
trunk call
trunk curl
trunk deck
trunk dial
trunk engine
trunk hatch
trunk hatchway
trunk hose
trunk line
trunk piston
trunk road
trunk room
trunk scald
trunk steamer
trunk turtle
trunk whale

Open Source Used In CSPC_Collector 2.9.1 22096
trunk-breeches
trunk-decked vessel
trunk-fish
trunk-hose
trunk-maker
trunnion band
trunnion carriage
trunnion chain
trunnion cradle
trunnion hoop
trunnion jig
trunnion plate
truSS beam
truSS bow
truSS bridge
truSS hoop
truSS rod
truSS up
truSS-bound
truSS-galled
truSS-hoop
truSSed beam
truSSed joist
truSSing bed
truSSing machine
trust account
trust agreement
trust beneficiary
trust buster
trust busting
trust certificate
trust company
trust corporation
trust deed
trust fund
trust implicitly
trust in
trust in God
trust indenture
trust institution
trust maker
trust mortgage
trust officer
trust receipt
trust territory
trust to
trust to chance
trust to luck
trust unto
trust upon
trust your word
trust-bolstering
trust-breaking
trust-controlled
trust-controlling
trust-ingly
trust-regulating
trust-ridden
trust-winning
trusted friend
trustee account
trustee bank
trustee in bankruptcy
trustee mortgage bond
trustee process
trustee savings bank
trustee security
trustee stock
trusting soul
trustly friend
trustly sword
truth claim
truth drug
truth in action
truth lover
truth or consequences
truth seeker
truth serum
truth set
truth speaker
truth table
truth to life
truth to nature
truth to the letter
truth-armed
truth-bearing
truth-cloaking
truth-cowed
truth-declaring
truth-denying
truth-desiring
truth-destroying
truth-dictated
truth-filled
truth-function
truth-functional
truth-functionally
truth-guarding
truth-instructed
truth-led
truth-loving
truth-mocking
truth-passing
truth-perplexing
truth-revealing
truth-seeking
truth-shod
truth-speaking
truth-telling
truth-tried
truth-value
truth-writ
try a case
try again
try and
try and make me
try and try
try and try again
try anything once
try cock
try conclusions
try conclusions with
try for
try for a miracle
try for point
try gun
try hard
try hole
try in all its phases
try it
try it for size
try it on
try on
try on for size
try one
try one another
try out
try out for
try plane
try square
try the chance
try the patience
try to
try to be in two places at once
try to bribe
try to catch the wind in a net
try to fetch water in a sieve
try to find
try to gather grapes from thorns
try to get blood from a turnip
try to get figs from thistles
try to make bricks from straw
try to make cheese of chalk
try to reach
try to recall
try to weave a rope of sand
try up
try you out
try your best
try your damndest
try your darndest
try your fortune
try your hand
try your luck
try your strength
try your utmost
try-
try-on
try-pot
tryer-out
trying for
trying plane
trypaflavine neut
trypan blue
trypan red
trysail gaff
trysail mast
trysting day
trysting place
tsetchem leshalom
tsetse fly
tsetse fly disease
tsutsugamushi disease
tsutsugamushi mite
tu quoque
tu-chung
tu-chung bark
tu-whit
tu-whit tu-whoo
tu-whoo
tuan muda
tub boat
tube wrench
tube-bearing
tube-curing
tube-drawing
tube-drilling
tube-eye
tube-eyed
tube-eyes
tube-fed
tube-filling
tube-nosed
tube-rolling
tube-scraping
tube-shaped
tube-straightening
tube-weaving
tubeless tire
tubeless tyre
tuber aster
tuber fern
tuber indexing
tuber moth
tuber root
tubercle bacillus
tubercul-
tuberculin test
tuberculo-
tuberculosis cutis
tuberculosis luposa
tuberculosis of the intestines
tuberculosis of the larynx
tuberculous arthritis
tuberculous meningitis
tuberculous rheumatism
tuberous root
tuberous-rooted
tubi-
tubo-
tubo-uterine
tubular bells
tubular floret
tubular girder
tubular goods
tubular skate
tubular-flowered
tubular-pneumatic organ
tubuli-
tuck away
tuck box
tuck in
tuck in a reef
tuck net
tuck plate
tuck pointer
tuck pointing
tuck seine
tuck shop
tuck your tail
tuck-in
tuck-net
tuck-out
tuck-point
tuck-pointed
tuck-pointer
tuck-shop
tuckaway table
tucked up
tucker bag
tucker out
tucker-bag
tucker-box
tucker-in
tuckered out
tucky lily
tuco tuco
tuco-tuco
tuco-tucos
tucu tucu
tudor arch
tuft tree
tuft-hunter
tufted duck
tufted hair grass
tufted titmouse
tufted-eared
tufted-necked	ug at the heart
tug at the heartstrings	ug chain	ug iron	ug of war	ug the heartstrings	ug-of-war	ug-of-warring	ula metal	ule chicken
tule goose
tule hen
tule mint
tule perch
tule potato
tule root
tule wren
tulema arrow-root
tulip bed
tulip blight
tulip ear
tulip fancier
tulip fire
tulip grower
tulip mold
tulip oak
tulip orchid
tulip poplar
tulip poppy
tulip root
tulip shell
tulip tree
tulip-earred
tulip-fancying
tulip-grass
tulip-growing
tulip-shaped
tulip-tree
tulip-wood
tum out
tum-ti-tum
tum-tum	umble car	tumble cart	tumble drier	tumble for	tumble grass	tumble home	tumble mustard	tumble on	tumble through the mind	tumble to	tumble-
tumble-down	tumbledown shack	tumbler bearing	tumbler cart	tumbler cup
tunic flower
tunica palmata
tuning bar
tuning capacitor
tuning coil
tuning condenser
tuning cone
tuning fork
tuning hammer
tuning hole
tuning horn
tuning key
tuning lever
tuning peg
tuning pin
tuning pipe
tuning slide
tuning wrench
tunking fit
tunna smjors
tunnel anemia
tunnel diode
tunnel disease
tunnel effect
tunnel head
tunnel kiln
tunnel miner
tunnel net
tunnel of love
tunnel of time
tunnel pit
tunnel right
tunnel shaft
tunnel sickness
tunnel stern
tunnel vault
tunnel vision
tunnel weaver
tunnel worm
tunnel-boring
tunnel-shaped
tunny oil
tuno gum
tup lamb
tup-headed
tupelo gum
tupi-guarani
tupi-guaranian
tupenny-hapenny
turban buttercup
turban lily
turban sheep
turban squash
turban stone
turban toque
turban-crested
turban-crowned
turban-shaped
turbary hog
turbidity current
turbine centrifugal pump
turbine interrupter
turbine nozzle
turbine steamer
turbine ventilator
turbine-driven
turbine-engined
turbine-propelled
turbo-
turbo-electric
turbo-prop
turbo-propeller engine
turbo-propeller plane
turbo-ram-jet engine
turbo-ramjet engine
turbojet engine
turbojet propulsion
turboprop engine
turboprop-jet
turboprop-jet engine
turboram-jet
turboramjet engine	urbulent flow
turco-
turf accountant
turf ant
turf cake
turf hog
turf moss
turf out
turf webworm
turf-boring
turf-bound
turf-built
turf-clad
turf-covered
turf-cutting
turf-digging
turf-forming
turf-grown
turf-laid
turf-roofed
turf-spread
turf-walled
turfing daisy
turgor pressure
turk's cap
turk's head
turkey beard
turkey berry
turkey bird
turkey blossom
turkey bur
turkey buzzard
turkey call
turkey carpet
turkey claw
turkey cock
turkey corn
turkey fig
turkey foot
turkey gnat
turkey gobbler
turkey grape
turkey grass
turkey hen
turkey louse
turkey mullein
turkey oak
turkey pea
turkey pod
turkey red
turkey shoot
turkey stone
turkey trot
turkey vulture
turkey-cock
turkey-feather
turkey-feather fucus
turkey-foot
turkey-hen
turkey-trot
turkey-trotted
turkey-trotting
turkey-worked
turkish bath
turkish coffee
turkish delight
turkish tobacco
turkish towel
turmeric paper
turmeric root
turmeric tree
turn a blind eye
turn a blind eye to
turn a cold shoulder to
turn a cold shoulder upon
turn a corner
turn a deaf ear
turn a deaf ear to
turn a hair
turn a hand
turn a penny
turn a pirouette
turn a pot
turn a somersault
turn a willing ear
turn about
turn acid
turn against
turn an honest penny
turn and turn about
turn around
turn around your little finger
turn aside
turn aside from
turn aside provocation
turn ass over elbows
turn attention to
turn away
turn away from
turn awry
turn back
turn back the clock
turn bench
turn blue in the face
turn bolt
turn bottom side up
turn bridge
turn button
turn cloak
turn color
turn down
turn file
turn for
turn from
turn gray
turn green
turn head over heels
turn in
turn in an alarm
turn in your badge
turn in your uniform
turn indicator
turn informer
turn inside out
turn into
turn into money
turn into the opposite
turn inward
turn it off
turn king’s evidence
turn loose
turn meter
turn of events
turn of expression
turn of mind
turn of phrase
turn of the cards
turn of the screw
turn of the table
turn of the tide
turn of the wheel
turn of thought
turn of work
turn off
turn off the juice
turn off the light
turn on
turn on a dime
turn on her heel
turn on the juice
turn on the light
turn on the offensive
turn on the tap
turn on to
turn on your heel
turn one's back on
turn one's back upon
turn out
turn out bag and baggage
turn out doors
turn out of doors
turn out of house and home
turn out that way
turn out to be
turn out well
turn over
turn over a new leaf
turn over in the mind
turn over the leaves
turn over your knees
turn pale
turn queen's
turn queen's evidence
turn red
turn round
turn sign
turn sour
turn state's evidence
turn stitch
turn swords into plowshares
turn tail
turn the back upon
turn the balance
turn the corner
turn the edge of
turn the eyes
turn the mind to
turn the other cheek
turn the point of
turn the scale
turn the scales
turn the shoulder
turn the stomach
turn the tables
turn the tables on
turn the tables upon
turn the thoughts to
turn the tide
turn the trick
turn thumbs down on
turn to
turn to a lake
turn to a sea
turn to account
turn to good account
turn to naught
turn to nothing
turn to profit
turn to stone
turn to the right-about
turn to the side
turn to use
turn to your advantage
turn topsy-turvy
turn traitor
turn turtle
turn under
turn up
turn up missing
turn up one's face
turn up trumps
turn up your nose at
turn up your toes
turn upon
turn upon your heel
turn upside down
turn west
turn white
turn yellow
turn you away
turn you on
turn your attention from
turn your back on
turn your back upon
turn your coat
turn your face to the wall
turn your hand to
turn your head
turn your stomach
turn your tail upon
turn your tracks to
turn-
turn-and-bank indicato
turn-and-bank indicator
turn-and-slip indicator
turn-buckle
turn-crowned
turn-down
turn-furrow
turn-hall
turn-in
turn-key
turn-key job
turn-out
turn-over
turn-penny
turn-round
turn-server
turn-serving
turn-sick
turn-sickness
turn-table
turn-to
turn-tree
turn-under
turn-up
turned around
turned comma
turned on
turned period
turned-back
turned-down
turned-in
turned-off
turned-on
turned-out
turned-over
turned-up
turner hall
turner harp
turner hood
turner-off
turning arbor
turning around
turning away
turning back
turning backwards
turning basin
turning chisel
turning circle
turning down
turning engine
turning front to back
turning gouge
turning head over heels
turning inside out
turning into
turning inward
turning movement
turning on
turning out
turning over
turning over in the mind
turning pendant
turning piece
turning plow
turning point
turning rest
turning saw
turning side to side
turning spur
turning square
turning traitor
turning upside down
turning upside-down
turning value
tumip aphid
tumip bean
tumip cabbage
tumip flea
tumip flea beetle
tumip fly
tumip foot
tumip grass
tumip jack
tumip leaf miner
tumip louse
tumip maggot
tumip nigger
tumip parsnip
tumip radish
tumip sawfly
tumip shell
tumip tops
tumip-bearing
tumip-eating
tumip-fed
tumip-growing
tumip-headed
tumip-leaved
tumip-pate
tumip-pointed
tumip-rooted
tumip-rooted celery
tumip-shaped
tumip-sick
tumip-stemmed
tumip-tailed
tumip-yielding
turnover door
turnover hinge
turnover tax
turnpike bond
turnpike geranium
turnpike man
turnpike road
turntable ladder
turnup bed
turnup card
turpentine beetle
turpentine camphor
turpentine gum
turpentine moth
turpentine oil
turpentine orchard
turpentine pine
turpentine plant
turpentine shrub
turpentine substitute
turpentine sunflower
turpentine tree
turpeth mineral
turquoise blue
turquoise green
turquoise-blue
turquoise-colored
turquoise-encrusted
turquoise-hued
turquoise-studded
turquoise-tinted
turret angle-rack tool
turret captain
turret clock
turret crew
turret cutter
turret deck
turret drier
turret drill
turret gun
turret lathe
turret ship
turret slide tool
turret spider
turret steamer
turret taper tool
turret-deck vessel
turret-decked vessel
turret-shaped
tuxedo coat
tuxedo jacket
tuyere arch
tuyere box
tuyere notch
tw-
twae-three
twain cloud
twaite shad
twanging nerves
twattle-basket
tweak the devil's nose
tweak the nose
tweed-clad
tweed-covered
tweed-suited
tweedle-
tween-brain
tween-deck
tween-watch
tweet-tweet
tweeter-woofer
tweezer-case
twelphynde man
twelfth day
twelfth man
twelfth night
twelfth-cake
twelfth-day
twelfth-night
twelfth-second
twelve dozen
twelve men in a box
twelve o'clock
twelve-acre
twelve-armed
twelve-banded
twelve-bored
twelve-banded
twelve-button
twelve-candle
twelve-carat
twelve-cut
twelve-day
twelve-dram
twelve-feet
twelve-foot
twelve-footed
twelve-fruited
twelve-gated
twelve-gauge
twelve-gemmed
twelve-handed
twelve-hole
twelve-horsepower
twelve-hour
twelve-inch
twelve-labor
twelve-legged
twelve-line
twelve-mile
twelve-mile limit
twelve-minute
twelve-monthly
twelve-note row
twelve-o'clock
twelve-oared
twelve-ounce
twelve-part
twelve-pint
twelve-point
twelve-point sphere
twelve-pound
twelve-pounder
twelve-rayed
twelve-seated
twelve-shining
twelve-sided
twelve-spoke
twelve-spotted
twelve-starred
twelve-stone
twelve-stranded
twelve-thread
twelve-tone
twelve-tone row
twelve-tone technique
twelve-towered
twelve-verse
twelve-wired
twelve-word
twelve-year
twelve-year-old
twelvexhynde man
twentieth man
twentieth-century
twenty questions
twenty-acre
twenty-carat
twenty-centimeter
twenty-cubit
twenty-day
twenty-dollar
twenty-dollar bill
twenty-dollar gold piece
twenty-eighth
twenty-eighth
twenty-fifth
twenty-first
twenty-five
twenty-five cents
twenty-five percent
twenty-foot
twenty-four
twenty-four carat
twenty-four-hour
twenty-fourmo
twenty-fourmos
twenty-fourth
twenty-gauge
twenty-grain
twenty-gun
twenty-hour
twenty-inch
twenty-knot
twenty-line
twenty-man
twenty-mark
twenty-mesh
twenty-meter
twenty-mile
twenty-minute
twenty-nigger
twenty-nine
twenty-ninth
twenty-one
twenty-one point cassino
twenty-ounce
twenty-payment
twenty-penny
twenty-plume
twenty-pound
twenty-round
twenty-second
twenty-seven
twenty-seventh
twenty-shilling
twenty-six
twenty-sixth
twenty-third
twenty-thread
twenty-three
twenty-ton
twenty-twenty
twenty-two
twenty-wood
twenty-word
twenty-yard
twenty-year
twi-
twi-banked
twi-circle
twi-colored
twi-form
twi-formed
twi-minded
twi-night
twi-nighter
twice as much
twice over
twice-abandoned
twice-abolished
twice-absent
twice-accented
twice-accepted
twice-accomplished
twice-accorded
twice-accused
twice-achieved
twice-acknowledged
twice-acquired
twice-acted
twice-adapted
twice-adjourned
twice-adjusted
twice-admitted
twice-adopted
twice-affirmed
twice-agreed
twice-alarmed
twice-allied
twice-altered
twice-amended
twice-angered
twice-announced
twice-answered
twice-anticipated
twice-appealed
twice-appointed
twice-appropriated
twice-approved
twice-arbitrated
twice-arranged
twice-assaulted
twice-asserted
twice-assessed
twice-assigned
twice-associated
twice-assured
twice-attained
twice-attempted
twice-attested
twice-audited
twice-authorized
twice-avoided
twice-baked
twice-balanced
twice-bankrupt
twice-baptized
twice-barred
twice-bearing
twice-beaten
twice-begged
twice-begun
twice-beheld
twice-beloved
twice-bent
twice-bereaved
twice-bereft
twice-bested
twice-bestowed
twice-betrayed
twice-bid
twice-bit
twice-blamed
twice-blessed
twice-blooming
twice-blowing
twice-boiled
twice-born
twice-borrowed
twice-bought
twice-branded
twice-broken
twice-brought
twice-buried
twice-called
twice-canceled
twice-canvassed
twice-captured
twice-carried
twice-caught
twice-censured
twice-challenged
twice-changed
twice-charged
twice-cheated
twice-chosen
twice-cited
twice-claimed
twice-collected
twice-commenced
twice-commended
twice-committed
twice-competing
twice-completed
twice-compromised
twice-concealed
twice-conceded
twice-condemned
twice-conferred
twice-confessed
twice-confirmed
twice-conquered
twice-consenting
twice-considered
twice-consulted
twice-contested
twice-continued
twice-converted
twice-convicted
twice-copyrighted
twice-corrected
twice-counted
twice-cowed
twice-created
twice-crowned
twice-cured
twice-damaged
twice-dared
twice-darned
twice-dead
twice-dealt
twice-debated
twice-deceived
twice-declined
twice-decorated
twice-decreed
twice-deducted
twice-defaulting
twice-defeated
twice-deferred
twice-defied
twice-delayed
twice-delivered
twice-demanded
twice-denied
twice-depleted
twice-deserted
twice-deserved
twice-destroyed
twice-detained
twice-diminished
twice-dipped
twice-directed
twice-disabled
twice-disappointed
twice-discarded
twice-discharged
twice-discontinued
twice-discounted
twice-discovered
twice-disgraced
twice-dismissed
twice-dispatched
twice-divided
twice-divorced
twice-doubled
twice-doubted
twice-drafted
twice-drugged
twice-dyed
twice-earned
twice-effected
twice-elected
twice-enacted
twice-encountered
twice-endorsed
twice-engaged
twice-enlarged
twice-ennobled
twice-essayed
twice-evaded
twice-examined
twice-excelled
twice-excused
twice-exempted
twice-exiled
twice-exposed
twice-expressed
twice-extended
twice-fallen
twice-false
twice-favored
twice-felt
twice-filmed
twice-fined
twice-folded
twice-fooled
twice-forgiven
twice-forgotten
twice-forsaken
twice-fought
twice-foul
twice-fulfilled
twice-gained
twice-garbed
twice-given
twice-granted
twice-grieved
twice-guilty
twice-handicapped
twice-hazarded
twice-healed
twice-heard
twice-helped
twice-hidden
twice-hinted
twice-hit
twice-honored
twice-humbled
twice-hurt
twice-identified
twice-ignored
twice-imposed
twice-improved
twice-incensed
twice-increased
twice-indulged
twice-infected
twice-insulted
twice-insured
twice-invented
twice-invited
twice-issued
twice-jailed
twice-judged
twice-kidnoped
twice-knighted
twice-laid
twice-lamented


twice-negotiated
twice-nominated
twice-noted
twice-notified
twice-numbered
twice-objected
twice-obligated
twice-occasioned
twice-occupied
twice-offended
twice-offered
twice-offset
twice-omitted
twice-opened
twice-opposed
twice-ordered
twice-originated
twice-orphaned
twice-overdue
twice-overtaken
twice-overthrown
twice-owned
twice-paid
twice-painted
twice-pardoned
twice-parted
twice-partitioned
twice-patched
twice-pensioned
twice-permitted
twice-persuaded
twice-perused
twice-petitioned
twice-pinnate
twice-placed
twice-planned
twice-pleased
twice-pledged
twice-poisoned
twice-pondered
twice-posed
twice-postponed
twice-praised
twice-predicted
twice-preferred
twice-prepaid
twice-prepared
twice-prescribed
twice-presented
twice-preserved
twice-pretended
twice-prevailing
twice-prevented
twice-printed
twice-procured
twice-professed
twice-prohibited
twice-promised
twice-promoted
twice-proposed
twice-prosecuted
twice-protected
twice-proven
twice-provided
twice-provoked
twice-published
twice-punished
twice-pursued
twice-qualified
twice-questioned
twice-quoted
twice-raided
twice-re-elected
twice-read
twice-realized
twice-rebuilt
twice-recognized
twice-reconciled
twice-reconsidered
twice-recovered
twice-redeemed
twice-refined
twice-reformed
twice-refused
twice-regained
twice-regretted
twice-rehearsed
twice-reimbursed
twice-reinstated
twice-rejected
twice-released
twice-relieved
twice-remedied
twice-remembered
twice-reinstated
twice-removed
twice-rendered
twice-rented
twice-repaired
twice-repeated
twice-replaced
twice-reported
twice-reprinted
twice-requested
twice-required
twice-reread
twice-resented
twice-resisted
twice-returned
twice-restrained
twice-resumed
twice-revenged
twice-reversed
twice-revised
twice-revived
twice-revoked

twice-rewritten
twice-rich
twice-right
twice-risen
twice-roasted
twice-robbed
twice-roused
twice-ruined
twice-sacked
twice-sacrificed
twice-said
twice-salvaged
twice-sampled
twice-sanctioned
twice-saved

twice-scared
twice-scattered
twice-scolded
twice-scorned
twice-sealed
twice-searched
twice-secreted

twice-secured

twice-seen
twice-seized
twice-selected
twice-sensed
twice-sent
twice-sentenced
	twice-separated

twice-served

twice-set
	twice-settled

twice-severed

twice-shamed

twice-shared

twice-shelled

twice-shelved

twice-shielded

twice-shot

twice-shown

twice-sick

twice-silenced

twice-sketched

twice-soiled

twice-sold

twice-soled

twice-solicited

twice-solved

twice-sought

twice-sounded

twice-spared

twice-specified

twice-spent

twice-sprung

twice-stabbed

twice-staged

twice-stated

twice-stolen

twice-stopped

twice-straightened

twice-stress

twice-stretched

twice-stricken

twice-struck

twice-subdued

twice-subjected

twice-subscribed

twice-substituted

twice-sued

twice-suffered

twice-sufficient

twice-suggested

twice-summoned

twice-suppressed

twice-surprised
twice-surrendered
twice-suspected
twice-suspended
twice-sustained
twice-sworn
twice-tabled
twice-taken
twice-tamed
twice-taped
twice-tardy
twice-taught
twice-tempted
twice-tendered
twice-terminated
twice-tested
twice-thanked
twice-thought
twice-threatened
twice-thrown
twice-tied
twice-told
twice-told tale
twice-torn
twice-touched
twice-trained
twice-transferred
twice-translated
twice-transported
twice-treated
twice-tricked
twice-tried
twice-trusted
twice-turned
twice-undertaken
twice-undone
twice-united
twice-unpaid
twice-upset
twice-used
twice-uttered
twice-vacant
twice-vamped
twice-varnished
twice-ventured
twice-verified
twice-vetoed
twice-victimized
twice-violated
twice-visited
twice-voted
twice-waged
twice-waived
twice-wanted
twice-warned
twice-wasted
twice-weaned
twice-welcomed
twice-whipped
twice-widowed
twice-wished
twice-withdrawn
twice-witnessed
twice-won
twice-worn
twice-wounded
twice-yielded
twiddle your thumbs
twiddle-twaddle
twiddling line
twig beetle
twig blight
twig borer
twig caterpillar
twig drop
twig gall
twig girdler
twig insect
twig pruner
twig rush
twig-formed
twig-green
twig-lined
twig-strewn
twig-suspended
twig-wrought
twilight arch
twilight blue
twilight home
twilight of the gods
twilight of your days
twilight parallel
twilight sleep
twilight state
twilight vision
twilight war
twilight zone
twilight-enfolded
twilight-hidden
twilight-hushed
twilight-loving
twilight-seeming
twilight-tinctured
twill weave
twill-woven	
twin band mill
twin bed
twin bill
twin boat
twin equatorial
twin mill
twin screws
twin ship
twin sister
twin sisterhood
twin spinnaker rig
twin stock
twin tail wheel
twin tap
twin telescope
twin town
twin triode
twin valve
twin-balled
twin-bearing
twin-begot
twin-blossomed
twin-born

twin-brother
twin-cylinder
twin-engine
twin-engined
twin-engines
twin-existent
twin-float
twin-forked
twin-gun
twin-headed
twin-hued
twin-jet
twin-leaf
twin-leaved
twin-leaves
twin-lens
twin-lens camera
twin-lens reflex

twin-lens reflex camera

twin-light

twin-motor

twin-motored

twin-named

twin-peaked

twin-power

twin-prop

twin-roller

twin-screw

twin-set

twin-sister

twin-six

twin-spiked

twin-spired

twin-spot

twin-striped

twin-tailboom jet

twin-towered

twin-towned

twin-tractor

twin-wheeled

twin-wire

twine around

twine binder

twine braider

twine cutter

twine holder

twine polisher

twine reeler

twine spinner

twine-binding

twine-bound

twine-colored

twine-spinning

twine-toned

twine-twisting

twinge of conscience

twingle-twangle

twinkle of an eye

twinkling of an eye

twinning axis

twinning law

twinning machine

twist and turn

twist around your little finger

twist belting
twist bit
twist drill
twist grip
twist stitch
twist the knife
twist the law to your own ends
twist the lion's tail
twist the meaning
twist the meaning of
twist the words
twist your arm
twisted eglantine
twisted stomach worm
twisted-horn
twisted-stalk	wisting course	wisting machine	wisting pair	wisting path	wisting the lion's tail
twisty-wisty
twit-twat
twitch grass
twitch of conscience
twitch road	twite finch
twitter-twatter
twittle-twattle
twizzle-twizzle
two bits
two cents
two dozen
two estates
two fifths
two hundred
two leg
two o'clock
two of a kind
two old
two old cat
two or three
two pair
two shakes
two shakes of a lamb's tail
two times
two weeks
two whoops and a holler
two-a-cat
two-alarm fire
two-along
two-and-a-half stripes
two-and-one-half striper
two-angle
two-arched
two-armed
two-aspect
two-barred
two-barreled
two-base
two-base hit
two-beat
two-bedded
two-bid
two-bill
two-bit
two-bit politician
two-blade
two-bladed
two-block
two-blocks
two-bodied
two-bodies
two-bodies problem
two-bond
two-bottle
two-bottom plow
two-branched
two-bristled
two-bushel
two-by-four
two-capsuled
two-celled
two-cent
two-centered
two-chamber
two-chambered
two-charge
two-charge rate
two-circle
two-circuit
two-circuit switch
two-cleft
two-coat
two-color
two-color press
two-color printing
two-colored
two-compartment vessel
two-component
two-course system
two-cycle
two-cylinder
two-day
two-deck
two-deck vessel
two-decker
two-dimensional
two-dimensional wave
two-dimensionality
two-dimensionally
two-dimensioned
two-dollar
two-dollar bill
two-dollar broker
two-dollar word
two-eared
two-edged
two-em
two-em dash
two-ended
two-eye
two-eyed
two-eyes
two-face
two-faced
two-facedly
two-facedness
two-factor
two-family
two-family house
two-feeder
two-field system
two-figure
two-fingered
two-fisted
two-fisted man
two-floor
two-flowered
two-fluid
two-fold
two-foot
two-foot octave
two-footed
two-for-a-cent
two-for-a-penny
two-forked
two-formed
two-four
two-four time
two-gallon
two-grained
two-groove
two-grooved
two-guinea
two-gun
two-hand
two-handed
two-handed saw
two-handedly
two-handedness
two-handled
two-headed
two-high
two-hinged
two-horned
two-horse
two-horsepower
two-hour
two-humped
two-inch
two-leaf
two-leaved
two-legged
two-level
two-life
two-light
two-line
two-line octave
two-lined
two-lipped
two-lobed
two-lunged
two-man
two-man tent
two-mast
two-masted
two-master
two-membered
two-mile
two-minded
two-minute
two-minute gun
two-monthly
two-name
two-name paper
two-named
two-necked
two-needle
two-nerved
two-oar
two-oared
two-ounce
two-pair
two-part
two-part harmony
two-part time
two-parted
two-party
two-party system
two-pass
two-peaked
two-petaled
two-phase
two-phaser
two-piece
two-piece bow
two-piece suit
two-pile
two-piled
two-pin escapement
two-pipe
two-place
two-platoon
two-platoon system
two-plowed
two-ply
two-point
two-point landing
two-pointic
two-pole
two-position
two-pot screamer
two-pound
two-principle
two-pronged
two-quart
two-rail
two-ranked
two-rate
two-rayed
two-revolution
two-roomed
two-row
two-rowed
two-seated
two-seater
two-seeded
two-shafted
two-shanked
two-shaped
two-sheave
two-shilling
two-shillingly
two-shillingness
two-shot
two-sided
two-sidedness
two-soused
two-speed
two-spined
two-spored
two-spot
two-spotted
two-stage rocket
two-stall
two-stalled
two-star
two-star general
two-step
two-step rocket
two-stepped
two-stepping
two-sticker
two-storied
two-story
two-stream
two-stringed
two-striped
two-striper
two-stroke
two-stroke cycle engine
two-stroke-cycle
two-suit
two-suiter
two-syllable
two-tailed test
two-teeth
two-thirder
two-thirds
two-three
two-throw
two-time
two-time loser
two-timed
two-timer
two-timing
two-tined
two-toed
two-toed anteater
two-tone
two-toned
two-tongued
two-toothed
two-topped
two-topsail schooner
two-track
two-tusked
two-twisted
two-unit
two-up
two-valved
two-volume
two-way
two-way communication
two-way radio
two-wheel
two-wheeled
two-wheeler
two-wicked
two-winged
two-winged fly
two-woods
two-word
two-year
two-year college
two-year-old
twofold tackle
twopenny grass
twopenny-halfpenny
twyhynde man
ty block
tying up
tylo-
tymp stick	ympan frame
tympan sheet
tympanic bone
tympanic cavity
tympanic membrane
tympano-
type A
type AB
type B
type O
type bar
type block
type body
type cabinet
type case
type caster
type characteristic
type class
type cutter
type cutting
type face
type founder
type founding
type foundry
type gauge
type genus
type lice
type locality
type matter
type measure
type metal
type mold
type object
type page
type part
type plate
type rack
type shank
type size
type sizes
type slug
type species
type specimen
type station
type stem
type style
type styles
type theory
type wash
type wheel
type-blackened
type-cast
type-caster
type-casting
type-cutting
type-distributing
type-dressing
type-high
types of
types of containers
types of languages
types of marks
types of photography
typesetting machine
typesetting machines
typewriter brush
typewriter cabinet
typewriter case
typewriter cover
typewriter desk
typewriter eraser
typewriter holder
typewriter key
typewriter mat
typewriter oil
typewriter pad
typewriter paper
typewriter ribbon
typewriter roller
typewriter stand
typewriter table
typewriter type
typewriting telegraph
typh fever
typhlo-
typhlo-ureterostomy
typho-
typhoid bacillus
typhoid carrier
typhoid fever
typhoid spine
typhus fever
typical case
typical example
typical man
typing machine
typing paper
typist's error
typo-
typographical error
tyrrannize over
tyrranny of the majority
tyrant bird
tyrant flycatcher
tyrant sparing none
tyrant wren
tyrant-bought
tyrant-hating
tyrant-quelling
tyrant-ridden
tyrant-scourging
tyrian purple
tyrolean hat
tyrolite green
tyrosine hydroxylase
tzetze fly
u hlan
u-boat
u-mm
u-o umlaut
ua mau ke ea o ka aina i ka pono
uberrima fides
ubi supra
ubussu palm
ucinate epilepsy
ugli fruit
ugly as hell
ugly as sin
ugly as the wrath of God
ugly customer
ugly duckling
ugly person
ugly thing
ugly wind
ugly-clouded
ugly-conditioned
ugly-eyed
ugly-faced
ugly-headed
ugly-looking
ugly-omened
ugly-tempered
ugly-visaged
uh-huh
ujamaa village
uji fly
ukiyo-e
ulcer diet
ulcerative colitis
ule tree
ulla grass
ullage rocket
ulnar nerve
ulnocondylar foramen
ulterior motive
ultima Thule
ultima ratio
ultima ratio regum
ultima thule
ultimate aim
ultimate analysis
ultimate cause
ultimate concern
ultimate constituent
ultimate load
ultimate purpose
ultimate strength
ultimate stress
ultimate truth
ultra vires
ultra-
ultra-Protestantism
ultra-abolitionism
ultra-abstract
ultra-academic
ultra-affected
ultra-aggressive
ultra-ambitious
ultra-angelic
ultra-apologetic
ultra-arbitrary
ultra-argumentative
ultra-atomic
ultra-auspicious
ultra-slow
ultra-ultra
ultrahigh frequency
ultrahigh-frequency
ultrahigh-frequency station
ultramannish bob
ultrashortwave diathermy
ultrasonic detector
ultrasonic diathermy
ultrasonic flow detection
ultrasonic flow detector
ultrasonic inspector
ultrasonic spectacles
ultrasonic speed
ultrasonic therapy
ultraviolet heat
ultraviolet lamp
ultraviolet light
ultraviolet microscope
ultraviolet ray
ultraviolet therapy
um suff
um-
um-hum
um-yum
umber bird
umber-black
umber-brown
umber-colored
umber-rufous
umbilical cord
umbilical hernia
umble pie
umbra tree
umbrella ant
umbrella bird
umbrella bush
umbrella catalpa
umbrella fern
umbrella fir
umbrella grass
umbrella leaf
umbrella maker
umbrella making
umbrella man
umbrella palm
umbrella pine
umbrella plant
umbrella pulley
umbrella sedge
umbrella shell
umbrella stand
umbrella step
umbrella tent
umbrella tree
umbrella-shaped
umbrella-topped
umbro-
umbu-rana
umpire assay
un w
un-
un-American
un-Americanism
un-Australian
un-Austrian
un-Brahminical
un-Christianise
un-Christianised
un-Christianising
un-Christianize
un-Christianized
un-Christianizing
un-Christianlike
un-Christianly
un-Christliness
un-Christly
un-Christmaslike
un-English
un-Eucharistic
un-Eucharistical
un-Eucharistically
un-European
un-French
un-German
un-Jesuitic
un-Jesuitical
un-Jesuitically
un-Latinised
un-Latinized
un-Negro
un-Scripturality
un-Victorian
un-american
un-co-operating
un-co-operative
un-co-ordinate
un-co-ordinated
un-come-at-able
un-come-at-able
un-come-at-able
un-come-at-ableness
un-come-at-ably
un-english
un-first-class
un-free-trade
un-frenchify
un-get-at-able
un-get-at-ableness
un-hunh
un-numbed
un-panic-stricken
un-preempted
un-reembodied
un-thought-of
una corda
una corda pedal
una voce
unable to
unable to believe your eyes
unable to believe your senses
unable to forget
unable to make ends meet
unable to meet your obligations
unable to pay your creditors
unable to say 'boo' to a goose
unable to say 'no'
able to show your face
unabridged dictionary
unacceptable person
unaccommodated man
unaccounted-for
unaccustomed to
unacquaintance with evil
unacquainted with
unacquainted with evil
unadorned meaning
unadorned style
unaided eye
unalienable rights
unaligned nation
unalloyed happiness
unanalyzed mass
unanimously elected
unarmored scale
unasked-for
unassisted eye
unattended to
unauthorized absence
unavailable energy
unavoidable casualty
unaware of
unbalanced mind
unbiased observer
unblessed with
unblinking eye
unbloody sacrifice
unblush mg
unbosom yourself
unbroken chord
unbroken sleep
unbuckle your belt
unburden your conscience
unburden your heart
unburden your mind
unburdening yourself
unbuttoned ease
uncalled for
uncalled-for
uncared-for
uncertainty principle
uncertainty relation
unchaste man
unchaste person
unchaste woman
unchecked will
unciform process
uncinate process
uncle sam
unclean spirit
unco guid
uncollected accounts
uncome-at-able
uncommitted amplifier
uncommitted person
uncommitted voter
uncommonly like
uncommunicative person
uncomplimentary remark
unconditional convergence
unconditioned free will
unconditioned reflex
unconditioned response
unconfirmed report
unconscionable price
unconscious drive
unconscious knowledge
unconscious memory
unconscious mind
unconscious of
unconscious urge
uncontrolled growth
uncontrolled spin
unconversant with
uncover yourself
uncreated being
uncritical acceptance
uncross-examined
und so weiter
unda maris
undec-
undecided issue
undecided voter
undeclared war
undecylenic acid
undeniable fact
under a charm
under a cloud
under a spell
under a strain
under active consideration
under advisement
under an eclipse
under an error
under any other name
under arms
under arrest
under attack
under bare poles
under bevel
under canvas
under close arrest
under coercion
under compulsion
under consideration
under construction
under control
under cover
under cover of
under damping
under detention
under discipline
under dominant
under easy sail
under examination
under false colors
under fire
under forced draft
under full steam
under hand and seal
under handicap
under heaven
under house arrest
under investigation
under lock and key
under mediant
under nine
under no circumstances
under oath
under obligation
under one's breath
under one's wing
under pain of
under par
under part
under penalty of
under power
under press of
under press of canvas
under press of sail
under press of sail and steam
under press of steam
under pressure
under privilege
under probation
under protest
under restraint
under revision
under sail
under secretary
under security
under security restrictions
under siege
under steam
under surveillance
under suspicion
under the aegis of
under the auspices of
under the ban
under the ban of secrecy
under the breath
under the circumstances
under the cloak of
under the counter
under the eyes of
under the garb of
under the hammer
under the harrow
under the heel
under the heel of
under the impression
under the influence
under the knife
under the lash
under the lee
under the nose of
under the pretext of
under the protection of
under the rose
under the seal of secrecy
under the shadow of your wing
under the shield of
under the stars
under the sun
under the surface
under the table
under the weather
under the wind
under the wing of
under the wire
under tow
under way
under weigh
under wraps
under your belt
under your breath
under your care
under your command
under your control
under your eyes
under your hand
under your hat
under your jurisdiction
under your nose
under your orders
under your own power
under your thumb
under your very nose
under your wing
under-
under-action
under-body
under-breath
under-carriage
under-chap
under-covert
under-deck
under-dip
under-earth
under-estimate
under-frame
under-garment
under-glaze
under-jaw
under-king
under-mentioned
under-petticoat
under-round
under-runner
under-secretary
under-sized
under-skirt
under-steward
under-surface
under-the-counter
under-the-table
under-time
under-treasurer
undercover activity
undercover man
undercurrent relay
underdeck tonnage
underdeveloped nation
underfrequency relay
undergo a change
undergo an eclipse
undergo deprivation
undergo privation
undergo schooling
undergo treatment
underground activity
underground cable
underground fighter
underground film
underground literature
underground movie
underground railroad
underground railway
underground river
underground route
underground trolley
underground warfare
underhand bundler
underhand dealing
underhand stope
underheat brooder
underhung rudder
underload starter
underload switch
underlying level
underlying meaning
underlying reason
underlying structure
undermine your faith
undermine your reason
underpitch vault
underpower relay
underprivileged, the
undershot wheel
understand by
understand one another
understudy for
undertake operations
undertaker's establishment
undervaluing of self
underwater archaeologist
underwater archaeology
underwater craft
undesirable discharge
undesirable person
undigested securities
undistributed costs
undistributed middle
undivided attention
undivided profits
undreamed-of
undress uniform
undue excitability
undue liberty
undulant fever
undulatory theory
unduly neglected
undying fame
undying friendship
unearned income
unearned increment
uneducated speech
unemployed, the
unemployment benefit
unemployment compensation
unemployment insurance
unequal to
unequal treatment
unequal-lengthed
unequal-limbed
unequal-lobed
unequal-sided
unequal-tempered
unequal-valved
uneven-aged
uneven-carriaged
uneven-handed
uneven-numbered
uneven-priced
uneven-roofed
unexcused absence
unexempt from
unexpended balance
unexplored ground
unexplored territory
unfair competition
unfair discrimination
unfair list
unfair practice
unfairly neglected
unfallen state
unfamiliar with
unfathomed deeps
unfavorable balance of payments
unfavorable wind
unfeel mg
unfinished worsted
unfit for human consumption
unfit to live in
unfold a tale
unforeseen attack
unforgivable sin
unfortunate time
unfortunate woman
unfrozen hydrometeor
unfulfilled pledge
unfunded debt
unfurl a banner
unfurl a flag
unfurl an ensign
unfurl sail
unfurnished uninhabited
unget-at-able
ungka puti
ungrateful wretch
ungreenable black
unh-unh
unhappy about
unhappy lot
unhappy-eyed
unhappy-faced
unhappy-happy
unhappy-looking
unhappy-seeming
unhappy-witted
unharmonious relationship
unheard-of
unholy dread
unholy joy
unholy mess
unhoped for
unhoped-for
uni-
uni-univalent
unicameral legislature
unicellular animal
unicorn antelope
unicorn beetle
unicorn bird
unicorn fish
unicorn hawk moth
unicorn moth
unicorn plant
unicorn ram
unicorn root
unicorn shell
unicorn whale
unicorn-plant family
unidentified flying object
unidirectional current
unidirectional microphone
unidirectional signal
unified atomic mass unit
unified field theory
unified theory
uniflow engine
uniform convergence
uniform velocity
uniform with
uniform-proof
uniformly continuous function
unilateral trade
unimportant person
uninhabited region
uninitiated in
uninterrupted course
uninterrupted sequence
unintoxicated state
uninvited guest
unio-
union black
union blue
union bow
union card
union catalog
union catalogue
union color
union contract
union cord
union district
union down
union dye
union elbow
union flag
union grass
union house
union jack
union jet burner
union joint
union label
union language
union list
union local
union member
union nut
union officer
union orange
union organizer
union pipes
union school
union shop
union station
union suit
union tannage
union tee
union territory
union-made
unipolar transistor
unique factorization domain
unique factorization theorem
uniqueness theorem
unisex clothing
unison interval
unissued capital stock
unit banking
unit carrier
unit cell
unit character
unit cost
unit element
unit factor
unit fraction
unit insignia
unit investm
unit investment trust
unit line
unit lock
unit magnetic pole
unit matrix
unit of account
unit of being
unit of energy
unit of flux
unit of force
unit of light
unit of meaning
unit of measurement
unit of weight
unit operation
unit organ
unit plane
unit point
unit price
unit pricing
unit prism
unit process
unit pyramid
unit quantity
unit rule
unit stress
unit switch
unit tare
unit trust
unit vector
unit watermark
unit's place
unit-set
unitary government
unitary matrix
unite efforts
unite in
unite in holy wedlock
unite in marriage
unite in sexual intercourse
unite with
united action
united front
united nations day
united states
unitive life
units of force
units of mass
units of weight
unity of interest
unity stress
univalent chromosome
univalent vaccine
universal accord
universal affirmative
universal agreement
universal algebra
universal antenna
universal church
universal class
universal concept
universal conception
universal coupling
universal donor
universal ego
universal essence
universal gas constant
universal geometry
universal head
universal joint
universal language
universal law
universal life force
universal military training
universal motor
universal negative
universal plane
universal plate
universal quantifier
universal remedy
universal ruin
universal self
universal solvent
universal stage
universal suffrage
universal symbol
universal time
universal truth
universalistic hedonism
universally admitted
universally recognized
universe of discourse
universe vine
university college
university extension
university settlement
university-bred
university-confferred
university-going
university-sponsored
university-taught
university-trained
unjust legal disability
unjust representation
unknown depths
unknown quantity
unknown soldier
unknown, the
unlapsed state
unlawful assembly
unlawful entry
unlearned capacity
unleash destruction
unleash the hurricane
unleavened bread
unless that
unlicked cub
unlisted securities
unlonged-for
unlooked for
unlooked-for
unlucky day
unlucky hour
unlucky person
unmade-up
unmanned satellite
unmarried person
unmeasured in your praise
unmediated perception
unmindful of
unmistakable sign
unmoth-eaten
unmoved mover
unnarrow-minded
unnarrow-mindedly
unnarrow-mindedness
unnecessary repetition
unnamed bank account
uno saltu
unobstructed vision
unofficial wife
unorganized data
unorganized ferment
unorganized matter
unpaid accounts
unpaid-for
unpaid-letter
unpaid-letter stamp
unpardoned sin
unparliamentary language
unpath’d waters
unplanned t
unpleasant taste
unpolished rice
unpossessed of
unpracticed in
unprepared for
unprovoked assault
unquestioning belief
unreal hope
unreasonable behaviour
unreasoning impulse
unrefined flour
unrefined mineral
unregistered bank account
unregistered securities
unrelenting attention
unrepeatable expressions
unrestricted propellant
unrhymed poetry
unripe acceptation
unsanctioned behavior
unsaturated fat
unsavory reputation
unsecured bond
unsecured loan
unself-assertive
unself-centered
unself-centred
unself-changing
unself-confident
unself-conscious
unself-consciously
unself-consciousness
unself-denying
unself-determined
unself-evident
unself-indulgent
unself-knowing
unself-opinionated
unself-possessed
unself-reflecting
unself-righteous
unself-righteously
unself-righteousness
unself-sacrificial
unself-sacrificially
unself-sacrificing
unself-sufficiency
unself-sufficient
unself-sufficiently
unself-supported
unself-valuing
unself-willed
unself-willedness
unsent-for
unshakable nerves
unshaken confidence
unsheath your weapon
unsighed-for
unskilled in
unskilled labor
unskilled laborer
unskillful person
unslaked lime
unsorted mass
unsound mind
unsoundness of mind
unsparing of self
unsaided by evidence
unsure of yourself
unswerving attention
unsymmetrical loading
untalked-of
unthinking response
unthought-of
unthought-on
unthought-out
untie the knot
untie the purse strings
untie your hands
until now
until the conclusion of
until then
until this time
until tomorrow
until we meet again
untimely end
unto the ends of the earth
unto yourself
untongue-tied
untouched by evil
untreated mineral
unup-braided
unused to
unutterable sin
unverified report
unverified supposition
unversed in
unwanted person
unwarranted demand
unwed condition
unwed state
unwedded to an opinion
unwelcome guest
unwell-intentioned
unwholesome joy
unwilling to accept
unwilling to forgive and forget
unwinking eye
unwise step
unwished-for
unwitting disclosure
unworm-eaten
unworthy of belief
unworthy of consideration
unworthy of one
unworthy of regard
unworthy person
unwritten constitution
unwritten law
up a stump
up a tree
up against
up against it
up ahead
up and about
up and around
up and at 'em
up and coming
up and die
up and do
up and doing
up and down
up and go
up attic
up for
up for discussion
up for grabs
up for hearing
up for investigation
up for sale
up helm
up in arms
up in the air
up in the world
up left
up north
up oars
up on
up on end
up quark
up right
up steps
up the creek
up the river
up the spout
up the wind
up till
up to
up to date
up to expectation
up to grade
up to now
up to par
up to scratch
up to snuff
up to standard
up to the ears
up to the elbows
up to the eyes
up to the hilt
up to the mark
up to the minute
up to the notch
up to the present
up to the time of
up to this time
up to your ears
up to your ears in
up to your ears in debt
up to your elbows
up to your elbows in
up to your neck in
up town
up your alley
up your pay
up your sleeve
up your street
up-
up-a-daisy
up-anchor
up-and
up-and-coming
up-and-comingness
up-and-doing
up-and-down
up-and-down dial
up-and-down indicator
up-and-downish
up-and-downishness
up-and-downness
up-and-downy
up-and-over
up-and-under
up-and-up
up-bow
up-bow sign
up-chuck
up-country
up-end
up-grade
up-market
up-over
up-page
up-patient
up-put
up-putting
up-see-daisy
up-sky
up-stream
up-stroke
up-to-date
up-to-dately
up-to-dateness
up-to-datish
up-to-datishness
up-to-the-minute
up-trending
up-wind
upas tree
upfeed system
uphill going
uphill work
upholsterer bee
upholsterer's needle
upland cotton
upland hickory
upland plover
uplift brassiere
upmost height
upon condition that
upon even terms
upon oath
upon pain of
upon presentation
upon shares
upon sight
upon something
upon the heels of
upon the hip
upon the point of
upon the whole
upon this bank and shoal of time
upon trust
upon which
upon your hands
upon your honor
upper air
upper arm
upper atmosphere
upper berth
upper bo
upper bound
upper bracket
upper case
upper chamber
upper circles
upper class
upper classes
upper classman
upper crust
upper cut
upper deck
upper extremity
upper frequencies
upper hand
upper house
upper leather
upper limit
upper middle class
upper mordent
upper partial tone
upper regions
upper school
upper semicontinuous function
upper side
upper spanker
upper story
upper ten
upper ten thousand
upper works
upper-case
upper-cased
upper-casing
upper-circle
upper-class
upper-cruiser
upper-form
upper-grade
upper-school
uppermost height
uppers and lowers
upright drill
upright piano
upright shave
upright-growing
upright-grown
upright-hearted
upright-heartedness
upright-minded
upright-standing
upright-walking
ups and downs
ups and downs of life
upset one's applecart
upset price
upset stomach
upset the
upset the boat
upset your applecart
upsetting lever
upsetting moment
upsetting thermometer
upside down
upside downward
upside-down
upside-down cake
upside-down flag
upside-downism
upside-downness
upside-downwards
upsilon particle
upstairs and downstairs
upstairs maid
upswept hairdo
upsy-daisy
upsy-freesy
upsy-turvy
upward looking
upward mobility
upward mordent
upward motion
upward strabismus
upward system
upward-borne
upward-bound
upward-gazing
upward-looking
upward-pointed
upward-rushing
upward-shooting
upward-stirring
upward-striving
upward-turning
upwards of
ur washed
ur-
ural-altaic
uralite-gabbro
uralo-
uran-
uranite group
uranium 235
uranium 238
uranium dioxide
uranium glass
uranium lead
uranium nitrate
uranium oxide
uranium ray
uranium reactor
uranium red
uranium series
uranium trioxide
uranium yellow
uranium-radium series
urano-
uranoso-
uranosouranic oxide
uratic arthritis
urban blight
urban blues
urban center
urban complex
urban district
urban economy
urban guerrilla
urban market
urban planner
urban redevelopment
urban renewal
urban sociology
urban sprawl
urbi et orbi
urchin fish
urdor urd
ure-ox
urea ferment
urea formaldehyde
urea frost
urea-formaldehyde
urea-formaldehyde resin
uredo-fruit
ureido group
ureido radical
ureo-
uretero-
uretero-ureterostomy
uretero-uterine
urethr-
urethral arthritis
urethral fever
urethro-
ureylene group
ureylene radical
urge along
urge as a motive
urge on
urge on the mind
urge reasons for
urge upon
urgent need
uric acid
uric-acid
urim and thummim
urin-
urinal fever
urinalysis kit
urinary bladder
urinary calculus
urine analysis
uriniferous tubule
urino-
urinogenital disease
urinogenital ridge
urinogenital sinus
urn burial
urn field
urn moss
urn schemata
urn-buried
urn-cornered
urn-enclosing
urn-shaped
urn-topped
uro-
urogenital disease
urogenital system
urological surgery
uropygial gland
urradhus law
ursa major
ursa minor
ursine dasyure
ursine howler
urucu-rana
urucuri iba
usar grass
usara root
use a light hand
use a light rein
use advisedly
use an experimental sample
use as a doormat
use as a meal ticket
use badly
use district
use faulty grammar
use for your own ends
use force
use force upon
use hindsight
use ill
use inadmissible grammar
use inappropriate grammar
use informal speech
use informal style
use inheritance
use language
use loosely
use materials
use money
use of words
use one's head
use radar
use reason
use tax
use terror tactics
use terroristic tactics
use the gray matter
use the mails
use the mind
use the occasion
use the old bean
use time
use to advantage
use to the full
use tobacco
use unadvisedly
use up
use violence
use your endeavor
use your fine Italian hand
use your good offices
use your head
use your influence
use your option
use your palate
use your wits
use-money
used to
used to keep two parts separated
used up
used with the
used-car lot
used-up
useful consciousness
useful lift
useful load
usher in
usher into the world
usher-in
using up
using-ground
usque ad aras
usual, the
usurp the crown
usurp the mantle
usurp the throne
usus loquendi
ut infra
ut supra
uterine brother
uterine kin
uterine sister
utero-
uti possidetis
utile dulci
utility man
utility plane
utility player
utility pole
utility room
utility sash
utmost extent
utmost height
uto-aztecan
utopian socialism
utopian socialist
utter a caveat
utter a judgment
utter a mot
utter bar
utter barrister
utter darkness
utter defeat
utter rout
utter threats against
utterance string
utterly attentive
utterly detest
uva grass
uva-ursi
uvi yam
uviol glass
uviol lamp
uzara root
v aux
v sign
v-day
v-eight
v-engine
v-particle
vCechy
vCeskd
vCeskoslovensko
va’ via
va-et-vien
va-t’-en
vacancy clause
vacant possession
vacant post
vacant-brained
vacant-eyed
vacant-headed
vacant-looking
vacant-minded
vacant-mindedness
vacant-seeming
vacation barrister
vacation church school
vacation school
vaccinal fever
vaccine lymph
vaccine point
vaccine rash
vaccine therapy
vaccino-syphilis
vachette clasp
vacuum boiler
vacuum-tube circuit
vacuum-tube electrometer
vacuum-tube hearing aid
vacuum-tube voltmeter
vade in pace
vade mecum
vade mecums
vade-mecum
vadium mortuwm
vadium vivum
vae victis
vag-
vagabond green
vagino-
vagrant impulse
vague appearance
vague feeling
vague idea
vague memory
vague notion
vague supposition
vague-eyed
vague-ideaed
vague-looking
vague-menacing
vague-minded
vague-phrased
vague-shining
vague-worded
vain attempt
vain expectation
vain person
vain pretensions
vain show
vair en point
vale of tears
vale of years
valedictory address
valence electron
valence electrons
valence formula
valence isomerism
valence number
valence shell
valency electron
valent atoms and radicals
valentine day
valeric acid
valero-
valet de chambre
valet de pied
valet-de-chambre
valet-de-place
valiant knight
valid contract
vallary crown
vallate papilla
vallecular canal
valley board
valley breeze
valley flat
valley lily
valley mahogany
valley oak
valley of the shadow of death
valley partridge
valley quail
valley rafter
valley roof
valley tile
valley train
valley white oak
valley wind
valonia oak
valuable consideration
valuation account
valuation survey
value added
value added tax
value date
value judgment
value received
value stress
value system
value theory
value-added tax
valued at
valued policy
valued-policy law
valval view
valve body
valve box
valve cage
valve cap
valve casing
valve casting
valve chamber
closest
valve
valve control
coupling
valve
diagram
valve
elliptic
valve
filter
fitting
gear
generator
generator
grinder
handle
housing
indicator
key
line
motion
plate
ring
rod
seat
spring
stem
tool
treatment
trombone
trombone
trumpet
view
washer
wrench
valve-generating
valve-in-head engine
valve-shaped
incompetence
insufficiency
vamp up
vampire bat
van Eyck
van Gogh
van Ruisdael
van attendant
van boy
van builder
van de Graaff generator
van der Rohe
van der Waals equation
van der Waals forces
van der Waals' forces
van der Weyden
van driver
van load
van loader
van owner
van't Hoff
van-courier
van-foss
van-john
van-winged hawk
vanadic acid
vanadium bronze
vanadium family
vanadium oxide
vanadium steel
vanadous oxide
vandyke brown
vanilla bean
vanilla chica
vanilla extract
vanilla grass
vanilla leaf
vanilla plant
vanilla pudding
vanille ice
vanillyl alcohol
vanish from sight
vanish into thin air
vanish like a dream
vanishing cream
vanishing fraction
vanishing line
vanishing point
vanishing trace
vanity bag
vanity box
vanity case
vanity fair
vanity lamp
vanity plate
vanity press
vanity unit
vanity-proof
vant-
vantage game
vantage ground
vantage point
vantage post
vantage-ground
vapor bath
vapor bathing
vapor burner
vapor cabinet
vapor cloud
vapor condenser
vapor density
vapor engine
vapor heating
vapor inhaler
vapor jacket
vapor lamp
vapor lock
vapor plane
vapor pressure
vapor regulator
vapor stove
vapor tension
vapor trail
vapor treatment
vapor tube
vapor valve
vapor volume
vapor-belted
vapor-braided
vapor-burdened
vapor-clouded
vapor-filled
vapor-headed
vapor-producing
vapor-sandaled
vaporer moth
vapour density
vapour lock
vapour pressure
vapour trail
vapour-bath
vare widgeon
vari-
vari-coloured
varia lectio
variable annuity
variable capacitor
variable condenser
variable cost
variable density system
des variable error
variable field
variable star
variable time fuse
variable-mu tube
variable-reluctance microphone
variable-speed gear
variable-speed motor
variable-time fuse
variae lectiones
variance analysis
variant reading
variation chart
variation compass
variation factor
variation of parameters
variation range
varico-
varicose aneurysm
varicose vein
varicose veins
varied robin
varied thrush
variegated pattern
variegated-leaved
variety hybrid
variety meat
variety shop
variety show
variety store
varifocal lens
vario-
variola porcina
various-blossomed
various-colored
various-formed
various-leaved
variscite green
varix lymphaticus
varnish brush
varnish cleaner
varnish dryer
varnish filler
varnish gum
varnish maker
varnish remover
varnish renovator
varnish resins
varnish sumac
varnish thinner
varnish tree
varnish-drying
varnish-making
varnish-treated
varnish-treating
varnishishing day
varsity socks
varsity student
varve-count
varying duty
varying hare
varying-speed motor
vas deferens
vas-
vasa deferentia
vasa murrhina
vasa parrot
vascular bundle
vascular cylinder
vascular hemophilia
vascular plant
vascular ray
vascular tissue
vase clock
vase painter
vase painting
vase rug
vase-shaped
vase-vine
vaso-
vaso-motor
vassal state
vast knowledge
vast-dimensioned
vast-rolling
vast-skirted
vastus intermedius
vastus lateralis
vastus medialis
vat builder
vat color
vat dye
vat keeper
vat liquor
vat setter
vat waste
vat-dyed
vat-net
vates sacer
vau consecutive
vau conversive
vaudeville circuit
vaudeville show
vaudeville theater
vault light
vault mount
vault of heaven
vault rib
vault up
vaulting ambition
vaulting capital
vaulting cell
vaulting course
vaulting horse
vaulting pillar
vaulting shaft
vaulting shoe
vaulting tile
vaunt-
vaunt-courier
vaya con Dios
veal Parmigiana
veal bird
veal calf
veal chop
veal cutlet
veal scallopini
vector addition
vector algebra
vector analysis
vector area
vector field
vector for
vector line
vector point function
vector potential
vector product
vector quantity
vector space
vector sum
vedette boat
vedette post
vee tail
vegetable soup
vegetable spermaceti
vegetable sponge
vegetable stock
vegetable store
vegetable tallow
vegetable tanning
vegetable wax
vegetable wool
vegetable-eating
vegetable-feeding
vegetable-growing
vegetable-tallow tree
vegetal pole
vegetation daemon
vegetation daimon
vegetation demon
vegetation spirit
vegetation-proof
vegeto-
vehement action
vehicle tank
vehicular tunnel
veil of secrecy
veil-hid
veil-wearing
veiled accusation
veiled in darkness
veiled threat
veiled voice
vein claim
vein dike
vein islet
vein quartz
vein-bearing
vein-healing
vein-mining
vein-streaked
veining tool
velar-pharyngeal
veld cornet
veld sickness
veld sore
veld-
veld-kost
velic point
velleda moth
vellum binder
vellum binding
vellum cloth
vellum form
vellum paper
vellum-bound
vellum-covered
vellum-leaved
vellum-papered
vellum-written
velocity co-ordinate
velocity function
velocity head
velocity microphone
velocity modulation
velocity of circulation
velocity of money
velocity peak
velocity potential
velocity ratio
velocity screen
velocity stage
velt-marshall
velvet ant
velvet ash
velvet bean
velvet bent
velvet bur
velvet cap
velvet carpet
velvet cork
velvet darkness
velvet dock
velvet duck
velvet finish
velvet fish
velvet flower
velvet glove
velvet grass
velvet green
velvet groundsel
velvet head
velvet leaf
velvet leather jacket
velvet moss
velvet osier
velvet paper
velvet plant
velvet rug
venom-mouthed
venom-spotted
venom-sputtering
venom-venting
venomous-hearted
venomous-looking
venomous-minded
venous blood
venous transfusion
vent drill
vent feather
vent punch
vent stack
vent tank
vent wire
vent your anger
vent your choler
vent your rancor
vent your spleen
vent-hole
vent-peg
ventilate inboard
ventilating apparatus
ventilating blower
ventilating brick
ventilating column
ventilating engineer
ventilating fan
ventilating grate
ventilating jack
ventilating millstone
ventilating shaft
ventilating skylight
ventilating system
ventilation engineer
ventr-
ventral airdome
ventral fin
ventral radome
ventri-
ventricular fibrillation
ventro-
venture a guess
venture capital
venture on
venture to
venture to say
venture upon
venturi tube
venus's-flytrap
veratr-
veratric acid
verb complex
verb phrase
verb sap
verbal adjective
verbal agreement
verbal amnesia
verbal auxiliary
verbal contest
verbal diarrhea
verbal engagement
verbal fallacy
verbal intercourse
verbal noun
verbal response
verbal thrust
verbal translation
verbatim et litteratim
verbena family
verbena oil
verbena violet
verbum sap
verbum sapienti
verbum sat
verd antique
verd gay
verd russe
verd-antique
verdant green
verde antico
verde antique
verdict of acquittal
verdict of guilty
verdict of not guilty
verdigris green
verditer blue
verditer green
verge escapement
verge on
verge paper
verge upon
verge watch
verge-board
verging on
verging upon
vermeil-cheeked
vermeil-dyed
vermeil-rimmed
vermeil-tinctured
vermeil-tinted
vermeil-veined
vermi-
vermiform appendix
vermiform process
vermilion rockfish
vermilion-colored
vermilion-dyed
vermilion-red
vermilion-spotted
vermilion-tawny
vermilion-veined
vermin-covered
vermin-destroying
vermin-eaten
vermin-footed
vermin-haunted
vermin-infested
vermin-ridden
vermin-spoiled
vermin-tenanted
vermouth cassis
vernacular language
vernacular speech
vernal equinox
vernal grass
vernal point
vernal-bearded
vernal-blooming
vernal-flowering
vernal-seeming
vernal-tinctured
verner's law
vernier caliper
vernier dial
vernier engine
vernier micrometer
vernier rocket
vernier scale
vernier telescope
vernis Martin
vernix caseosa
vernonia purple
verruci-
vers de societe
vers de socit
vers libre
vers librist
vers libriste
vers-librist
versatile digit computer
verse anthem
verse service
verse-colored
verse-commemorated
verse-prose
verse-writing
versed cosine
versed in
versed sine
version book
vert russe
vertebral arthritis
vertebral column
vertebro-
vertical amplifier
vertical angle
vertical angles
vertical circle
vertical combination
vertical combinativeness
vertical deflector
vertical distance
vertical engine
vertical envelopment
vertical file
vertical fin
vertical fire
vertical grouping
vertical height
vertical integration
vertical interference
vertical lift bridge
vertical mobility
vertical overlap
vertical radiator antenna
vertical rays
vertical saw
vertical stabilizer
vertical synchronizer
vertical synchronizing pulse
vertical union
vertical-grained
vertical-lift mower
vervain family
vervain hummingbird
vervain mallow
vervain sage
vervain thoroughwort
very beginning
very best
very good
very high frequency
very image
very important person
very light
very like
very likely
very low frequency
very many
very model
very much
very much alive
very picture
very pistol
very reverend
very same
very seldom
very thing
very top
very truth
very well
very-high-frequency
vesica piscis
vesicatory gas
vesico-
vesico-umbilical
vesico-urachal
vesico-ureteral
vesico-urethral
vesico-uterine
vesicular exanthema
vesicular stomatitis
vesper bird
vesper mouse
vesper sparrow
vest in
vest with
vest-pocket
vest-pocket camera
vestal virgin
vested authority
vested estate
vested interest
vested interests
vested right
vestibule car
vestibule latch
vestibule of Day
vestibule school
vestibule train
vestibulo-urethral
vestigial transmission
vesting order
vestry board
vestry room
vesuvian jade
vesuvianite jade
vetch-leaved
veteran car
veterans day
veterans hospital
veterans' preference
veterinary corps
veterinary medicine
veterinary science
veterinary surgeon
veterinary surgery
vetiver green
vetivert oil
veto message
veto power
vexation of spirit
vexed question
vi apple
vi et armis
via media
via-medialism
vials of hate
vials of wrath
viande de boucherie
vibration and stress analyzer
vibration massage
vibration meter
vibration number
vibration point
vibration treatment
vibration-proof
vibratory current
vibratory massage
vibrionic abortion
vibro-
vicar apostolic
vicar capitular
vicar choral
vicar forane
vicar general
vicar of christ
vicar-choralship
vicar-general
vicar-generalship
vicarage tithe
vicariate apostolic
vicariates apostolic
vicarious authority
vicars capitular
vicars choral
vicars forane
vicars-general
vice admiral
vice chancellor
vice presidency
vice president
vice squad
vice versa
vice-
vice-abbot
vice-admiral
vice-admirality
vice-admiralship
vice-admiralty
vice-admiralty court
vice-agent
vice-apostle
vice-apostolical
vice-architect
vice-begotten
vice-bishop
vice-bitten
vice-burgomaster
vice-butler
vice-caliph
vice-cancellarian
vice-chair
vice-chairman
vice-chairmen
vice-chamberlain
vice-chancellor
vice-chancellorship
vice-collector
vice-commodore
vice-constable
vice-consul
vice-consular
vice-consulate
vice-consulship
vice-corrupted
vice-county
vice-created
vice-dean
vice-deity
vice-detesting
vice-dictator
vice-director
vice-emperor
vice-freed
vice-general
vice-government
vice-governor
vice-governorship
vice-guilty
vice-haunted
vice-headmaster
vice-imperial
vice-king
vice-kingdom
vice-laden
vice-legate
vice-legateship
vice-librarian
vice-lieutenant
vice-loathing
vice-marred
vice-marshall
vice-master
vice-ministerial
vice-nature
vice-palatine
vice-papacy
vice-patron
vice-patronage
vice-polluted
vice-pope
vice-porter
vice-postulator
vice-prefect
vice-premier
vice-pres
vice-presidency
vice-president
vice-presidential
vice-presidentship
vice-priest
vice-principal
vice-principalship
vice-prior
vice-prone
vice-protector
vice-provost
vice-provostship
vice-punishing
vice-queen
vice-rebuking
vice-rector
vice-rectorship
vice-regal
vice-regalize
vice-regency
vice-regent
vice-reign
vice-residency
vice-resident
vice-secretary
vice-sheriff
vice-sick
vice-squandered
vice-stadtholder
vice-steward
vice-sultan
vice-taming
vice-tenace
vice-throne
vice-treasurer
vice-treasurership
vice-trustee
vice-upbraiding
vice-verger
vice-viceroy
vice-warden
vice-wardenry
vice-wardenship
vice-worn
viceregal assent
vichy water
vicious circle
vicious reasoning
vicissitudes of fortune
vicontiel rent
vicontiel writ
victoria cross
victoria plum
victory garden
victory girl
victory medal
victual rent
victualing bill
victualing house
victualing note
victualing office
victualing ship
victualing station
victualing yard
vida finch
vide ante
vide infra
vide post
vide supra
vide ut supra
video amplifier
video channel
video detector
video frequency
video game
video monitor
video signal
video static
video tape
video tape recorder
video transmitter
video truck
video-gazer
viedotape recorder
vie against
vie for
vie with
vienna sausage
view angle
view as
view camera
view finder
view halloa
view halloo
view in a new light
view in all its phases
view mark
view together
view with a jaundiced eye
view with a scornful eye
view with disfavor
view with favor
view with indulgence
view with the mind's eye
view-halloo
view-point
viewing audience
vigesimal-quarto
vigesimal-quartos
vigil light
vigilance committee
vigilance man
vigogne yarn
vile language
vile-born
vile-bred
vile-concluded
vile-fashioned
vile-looking
vile-natured
vile-proportioned
vile-smelling
vile-spirited
vile-spoken
vile-tasting
villa-dotted
villa-dwelling
villa-haunted
village cart
village college
village community
village economy
village green
village of the dead
village reserve
village soviet
village-born
village-dwelling
village-lit
villain d
villainous-looking
villainy-proof
villanous saltpetre
villein socage
vin du pays
vin mousseux
vin ordinaire
vin rose
vin rouge
vin-
vin-jaune
vinaigrette sauce
vincent's angina
vincent's infection
vincit omnia veritas
vinculum matrimonii
vindicate a claim to
vindicate a right to
vindicate a title to
vine bamboo
vine bark louse
vine beetle
vine black
vine borer
vine bower
vine cactus
vine chafer
vine forester
vine fretter
vine hawk moth
vine hopper
vine leaf
vine leaf folder
vine leek
vine louse
vine maple
vine mesquite
vine mildew
vine misquite
vine moth
vine peach
vine pest
vine sawfly
vine scale
vine slug
vine snake
vine sorrel
vine sphinx
vino de pasto
vino-
vins ordinaires
vintage car
vintage wine
vintage year
vinyl acetate
vinyl alcohol
vinyl chloride
vinyl ether
vinyl group
vinyl plastic
vinyl polymer
vinyl radical
vinyl resin
vinylidene chloride
vinylidene group
vinylidene radical
vinylidene resin
viol block
viol d'amore
viol d'orchestre
viol da braccio
viol da gamba
viol da spalla
viol di bordone
viol di fagotto
viol family
viola alta
viola bastarda
viola clef
viola d'amore
viola d'amores
viola da braccio
viola da braccios
viola da gamba
viola da gambas
viola da spalla
viola damore
viola di bordone
viola di fagotto
viola pomposa
violate grammar
violate the law
violation of law
viole damour
violent blow
violent change
violent death
violent exercise
violent flow
violent person
violet carmine
violet cress
violet family
violet iris
violet prairie clover
violet ray
violet root
violet root rot
violet sage
violet shell
violet shift
violet tip
violet water
violet wood
violet wood sorrel
violet-black
violet-blind
violet-blindness
violet-bloom
violet-blue
violet-brown
violet-colored
violet-coloured
violet-crimson
violet-crowned
violet-dyed
violet-ear
violet-earred
violet-embroidered
violet-flowered
violet-garlanded
violet-gray
violet-green
violet-green swallow
violet-headed
violet-horned
violet-hued
violet-inwoven
violet-purple
violet-rayed
violet-red
violet-ringèd
violet-scented
violet-shrouded
violet-stoled
violet-striped
violet-sweet
violet-tailed
violet-throated
violin bow
violin case
violin clef
violin diapason
violin piano
violin string
violin-shaped
violin piccolo
violoncello piccolo
viper broth
viper gourd
viper grass
viper lozenge
viper wine
viper's bugloss
viper's grass
viper-bit
viper-curved
viper-haunted
viper-headed
viper-moutheed
viper-nourished
vir et uxor
viral dysentery
virgin birth
virgin bower
virgin dip
virgin forest
virgin honey
virgin knot
virgin land
virgin mary
virgin moth
virgin parchment
virgin rosin
virgin scammony
virgin soil
virgin spawn
virgin state
virgin territory
virgin tree
virgin wax
virgin widow
virgin wool
virgin's bower
virgin's milk
virgin's-bower
virgin-born
virgin-eyed
virgin-minded
virgin-vested
virginia cowslip
virginia creeper
virginia fence
virginia reel
virginibus puerisque
virgo intacta
viridine green
viridine yellow
virola tallow
virtual focus
virtual image
virtual storage
virtue-armed
virtue-binding
virtue-loving
virtue-tempting
virtue-wise
virtute et armis
virus disease
virus pneumonia
virus warfare
vis comica
vis inertiae
vis major
vis mortua
vis vitae
vis vitalis
vis viva
vis-a-ns
vis-a-vis
vis-a-visness
viscera itch
visceral leishmaniasis
visceral rheumatism
viscero-
vise cap
vise chuck
vise coupling
visibility curve
visibility meter
visibility unlimited
visibility zero
visible balance
visible horizon
visible radiation
visible spectrum
visible speech
visible-speech data
vision-directed
vision-filled
vision-haunted
vision-seeing
vision-struck
visit at
visit upon
visit with
visitations of providence
visiting book
visiting card
visiting day
visiting fireman
visiting list
visiting nurse
visiting patrol
visiting professor
visiting teacher
visiting ticket
visitor-general
vista of time
visual acuity
visual aid
visual aids
visual arts
visual binary
visual display unit
visual examination
visual field
visual flight
visual flight rules
visual flying
visual humor
visual image
visual joke
visual magnitude
visual memory
visual organ
visual purple
visual range
visual sense
visual tracking station
visual violet
visual yellow
visual-aural radio range
visual-aural range
vita contemplativa
vita glass
vital body
vital capacity
vital center
vital concern
vital energy
vital flame
vital fluid
vital force
vital function
vital impulse
vital interest
vital principle
vital soul
vital spark
vital spirit
vital staining
vital statistics
vitam impendere vero
vitamin A
vitamin A1
vitamin A2
vitamin B
vitamin B complex
vitamin B1
vitamin B12
vitamin B2
vitamin B6
vitamin Bc
vitamin C
vitamin D
vitamin D2
vitamin D3
vitamin E
vitamin G
vitamin H
vitamin K
vitamin K1
vitamin K2
vitamin K3
vitamin M
vitamin P
vitamin a
vitamin b
vitamin b12
vitamin b2
vitamin b6
vitamin c
vitamin chart
vitamin complex
vitamin d
vitamin deficiency
vitamin e
vitamin g
vitamin h
vitamin k
vitamin p
vitamin shot
vitamin-deficiency diet
vitamin-free
vitelline membrane
vitello-
vitello-intestinal
viti-
vitreous body
vitreous china
vitreous copper
vitreous electricity
vitreous enamel
vitreous fusion
vitreous humor
vitreous humour
vitreous selenium
vitreous silica
vitreous silver
vitreous sponge
vitreous table
vitrified fort
vitriol chamber
vitriol stone
vitriolated tartar
vitriolized bone
vitro-
vitro-clarain
vitro-di-trina
vitular apoplexy
viva voce
viva voce examination
viva-voce
vivaciousness  vivacity
vivacity of imagination
vive l'amour
vive la bagatelle
vive valeque
viverrine cat
viverrine otter
vivi-
vivid description
vivid image
vivid imagination
vizard maker
vizard making
vizard mask
vizard-faced
vizard-hid
vizard-mask
vizard-wearing
voa vanga
vocabulary entry
vocabulary test
vocal band
vocal bands
vocal chink
vocal cord
vocal cords
vocal fold
vocal folds
vocal fremitus
vocal lip
vocal minority
vocal music
vocal organ
vocal process
vocal processes
vocal resonance
vocal sac
vocal score
vocalic alliteration
vocational advisor
vocational council
vocational counselor
vocational director
vocational education
vocational guidance
vocational school
vocational therapy
vocational training
voce di petto
voce di testa
voce velata
vodka martini
vogue la galere
vogue word
voice box
voice coil
voice glide
voice glottis
voice key
voice leading
voice of conscience
voice of the tempter
voice part
voice placing
voice qualifier
voice quality
voice stop
voice tube
voice vote
voice-leading
voice-over
voiced breath
voiced sound
voiceless glide
voiceless sound
void end
void of
void of truth
void space
voided cross
voided lozenge
voir dire
voir en couleur de rose
voix celeste
voix clesse
vol-au-vent
volant piece
volar accessory ligament
volar carpal ligament
volatile alkali
volatile liniment
volatile oil
volatile salt
volcanic ash
volcanic bomb
volcanic cloud
volcanic cone
volcanic dust
volcanic glass
volcanic lake
volcanic pipe
volcanic plug
volcanic rock
volcanic tuff
volcanic water
volcanic wind
volcano fish
volitional tremor
volley fire
volt box
volt-ammeter
volt-ampere
volt-ampere-hour meter
volt-coulomb
volt-ohm meter
volt-ohm-milliampmeter
volt-second
volta's pile
volta-
voltage amplification
voltage changer
voltage coil
voltage divider
voltage gradient
voltage indicator
voltage pulse
voltage ratio
voltage regulator
voltage relay
voltage saturation
voltage stabilizer
voltage transformer
voltage-reference tube
voltage-regulator tube
voltaic battery
voltaic cell
voltaic circuit
voltaic couple
voltaic current
voltaic electricity
voltaic pile
voltmeter law
volte-face
voltmeter-milliampmeter
voluble-tongued
volume color
volume control
volume density
volume displacement
volume engineer
volume indicator
volume integral
volume measure
volume measures
volume production
volume resistance
volume table
volume velocity
volume-produce
volume-produced
volumetric analysis
volumetric flask
volumetric solution
volumetric strain
voluntary affidavit
voluntary association
voluntary bankruptcy
voluntary conveyance
voluntary escape
voluntary hospital
voluntary improvement
voluntary inaction
voluntary jurisdiction
voluntary manslaughter
voluntary muscle
voluntary muscles
voluntary oath
voluntary poverty
voluntary resignation
voluntary school
voluntary waste
volunteer army
volunteer fireman
volunteer militia
volunteer navy
volunteer soldier
volunteers of america
volute centrifugal pump
volute compass
volute pump
volute spring
volutin granule
vomerine cartilage
vomic nut
vomit forth
vomit nut
vomit out
vomiting center
vomiting gas
vomito negro
von Braun
von Neumann
von Sternberg
vortex atom
vortex filament
vortex fringe
vortex line
vortex plate
vortex ring
vortex sheet
vortex theory
vortex tube
vortex wheel
vortical motion
votary candle
vote affirmatively
vote against
vote aye
vote checking
vote counter
vote down
vote for
vote in
vote in the negative
vote nay
vote negatively
vote-bringing
vote-buying
vote-casting
vote-catching
voter-preference survey
voting age
voting bond
voting booth
voting machine
voting paper
voting right
voting stock
voting trust
voting-right certificate
votive candle
votive mass
votive medal
votive offering
votive office
vouch for
vouched for
voucher check
voucher register
voucher system
vouchers payable
voussoir-shaped
vow-bound
vow-breaking
vow-keeping
vow-pledged
vowel flame
vowel gradation
vowel harmony
vowel mutation
vowel point
vowel quantity
vowel rhyme
vowel system
vows of poverty
vox angelica
vox barbara
vox caelestis
vox et praeterea nihil
vox humana
vox pop
vox populi
vox populi vox Dei
voyage policy
vrai reseau
vt fuze
vulcanite grinding wheel
vulcanite pavement
vulcanized fiber
vulcanized rubber
vulgar era
vulgar establishment
vulgar fellow
vulgar fraction
vulgar language
vulgar latin
vulgar person
vulgar purgation
vulgar substitution
vulgar taste
vulgar tongue
vulnerable place
vulnerable point
vulnerable to
vulnerant omnes ultima necat
vulpine opossum
vulture hock
vulture raven
vulture-beaked
vulture-gnawn
vulture-hocked
vulture-rent
vulture-torn
vulture-tortured
vulture-winged
vulturine eagle
vulturine guinea fowl
vulturine sea eagle
vulvo-
w will
wabble saw
waberan-leaf
wabert-leaf
wad hook
wad up
wade an
wade in
wade into
wade knee-deep in blood
wade through
wading bird
wading pool
wadmel wadmol
wafer ash
wafer bread
wafer cake
wafer capsule
wafer cutter
wafer iron
wafer paper
wafer sheet
wafer stamp
wafer tong
wafer-sealed
wafer-thin
wafer-torn
waffle cloth
waffle ingot
waffle iron
waft on the ear
wag the tongue
wag-on-the-wall
wag-tongue
wage board
wage capital
wage contract
wage control
wage earner
wage earning
wage fixing
wage freeze
wage fund
wage labor
wage level
wage paying
wage peace
wage rate
wage reduction
wage rollback
wage scale
wage slave
wage slavery
wage system
wage war
wage-fund theory
wage-plug
wager policy
wagering contract
wages after deductions
wages after taxes
wages fund
wages plus fringe benefits
wages-man
waggish trick
waggon-headed
wagh down
waging board
wagon bed
wagon boiler
wagon boss
wagon box
wagon breast
wagon ceiling
wagon filler
wagon greaser
wagon gun
wagon hammer
wagon jobber
wagon lock
wagon master
wagon road
wagon roof
wagon seat
wagon shed
wagon shoe
wagon soldier
wagon table
wagon tent
wagon tongue
wagon top
wagon track
wagon trail
wagon train
wagon tree
wagon truck
wagon vault
wagon wheel
wagon yard
wagon-headed
wagon-lit
wagon-roofed
wagon-shaped
wagon-spring clock
wagon-vaulted
wagtail flycatcher
waifs and strays
waika chewstick
wail of woe
wailing wall
wainscot chair
wainscot oak
wainscot-faced
wainscot-joined
wainscot-paneled
waist anchor
waist belt
waist board
waist boat
waist boater
waist gun blister
waist strap
waist tree
waist-deep
waist-high
waist-pressing
waist-slip
wait a minute
wait a second
wait and see
wait and see policy
wait fee
wait for
wait for something to turn up
wait impatiently
wait it out
wait on
wait on hand and foot
wait out the market
wait service
wait table
wait to see how the cat jumps
wait to see how the wind blows
wait up
wait up for
wait upon
wait with bated breath
wait-a-bit
wait-awhile
waiter on Providence
waiter-on
waiting concealed
waiting for
waiting game
waiting it out
waiting list
waiting maid
waiting man
waiting period
waiting room
waiting woman
waiver of premium
wake current
wake dirge
wake up
wake-robin
wake-up
wakeless sleep
waking dream
waking time
waldorf salad
wale knot
wale shore
walk a middle path
walk all over
walk away
walk away with
walk clerk
walk hand in hand with
walk humbly with your God
walk in darkness
walk in the shoes of
walk in your sleep
walk into
walk of life
walk off
walk off with
walk off with the game
walk on air
walk on eggshells
walk on hot coals
walk out
walk out on
walk over
walk over the course
walk the earth
walk the plank
walk the straight path
walk the tracks
walk the waters
walk up
walk-around
walk-down
walk-in
walk-in apartment
walk-in closet
walk-on
walk-over
walk-through
walk-up
walker-on
walkie-lookie
walkie-talkie
walking bass
walking beam
walking boat
walking crane
walking dead man
walking delegate
walking encyclopedia
walking engine
walking excursion
walking fern
walking fish
walking gentleman
walking lady
walking leaf
walking line
walking mort
walking papers
walking part
walking phallus
walking pipe
walking plow
walking scow
walking skeleton
walking staff
walking stick
walking straw
walking sword
walking toad
walking tour
walking twig
walking tyrant
walking wheel
walking-out
walking-stick
walking-stick palm
walking-sticked
walky-talkies
walky-talky
wall anchor
wall arcade
wall barley
wall bars
wall bearing
wall bed
wall bee
wall box
wall bracket
wall bugloss
wall cabbage
wall cabinet
wall card
wall clamp
wall crane
wall creeper
wall cress
wall engine
wall fern
wall frame
wall fruit
wall garden
wall gecko
wall germander
wall gillyflower
wall grass
wall green
wall grenade
wall hanging
wall hawkweed
wall hold
wall hook
wall in
wall iron
wall knot
wall link
wall lizard
wall molding
wall mustard
wall of secrecy
wall off
wall painting
wall pass
wall pellitory
wall penny grass
wall pennywort
wall pepper
wall pie
wall plate
wall plug
wall pocket
wall rock
wall rocket
wall rue
wall rue spleenwort
wall salt peter
wall socket
wall speedwell
wall spleenwort
wall street
wall telephone
wall tent
wall tower
wall up
wall wasp
wall-bound
wall-cheeked
wall-climbing
wall-defended
wall-drilling
wall-encircled
wall-eyed
wall-fed
wall-fight
wall-girt
wall-hanging
wall-inhabiting
wall-knot
wall-less
wall-like
wall-loving
wall-piece
wall-piercing
wall-plat
wall-scaling
wall-shaking
wall-sided
wall-to-wall
wall-to-wall carpet
wallaby acacia
wallaby bush
wallaby grass
wallaby-proof
walled plain
walled-in
walled-up
walleye pollack
walleye pollock
walleyed pike
wallflower brown
walling crib
walling wax
walling-in
wallow in
wallow in ignorance
wallow in the mire
wallow in wealth
wallowing in wealth
walnut blight
walnut borer
walnut brown
walnut case-bearer
walnut caterpillar
walnut curculio
walnut family
walnut juice
walnut moth
walnut oil
walnut scale
walnut shell
walnut spanworm
walnut sphinx
walnut tree
walnut weevil
walnut worm
walnut-brown
walnut-finished
walnut-framed
walnut-inlaid
walnut-paneled
walnut-shell
walnut-stained
walnut-trimmed
walpurgis night
walrus bird
walrus moustache
walrus mustache
waltz Matilda
waltz measure
waltz off with
waltz song
waltz time
waltzing Matilda
waltzing mouse
wamble-cropped
wamper-jawed
wampum belt
wampum snake
wan-
wan-cheeked
wan-colored
wan-worn
wand bearer
wand of office
wand shoot
wand shooting
wand shot
wand-bearing
wand-shaped
wand-waving
wander from
wander from the subject
wander termite
wander-year
wandering Jew
wandering albatross
wandering ant
wandering cell
wandering course
wandering dervish
wandering dune
wandering electron
wandering jenny
wandering jew
wandering minstrel
wandering path
wandering scholar
wandering soul
wandering star
wandering tattler
wane cloud
wangle into
wangle out of
waning crescent moon
waning moon
wankel engine
want ad
want doing
want in
want in the worst way
want list
want to
want to know
want with all your heart
want-wit
wantage rod
wanted-right-hand
wanting to fly in the air
wanton cruelty
wanton ringlets wav'd
wanton-cruel
wanton-eyed
wanton-mad
wanton-sick
wanton-tongued
wanton-winged
wapper-eyed
wapper-jawed
war baby
war bag
war bird
war bond
war bonnet
war book
war boom
war boomerang
war bow
war bride
war cabinet
war cart
war cheat
war chest
war cloud
war clouds
war club
war college
war correspondent
war crime
war crimes
war criminal
war cross
war cry
war dance
war debt
war dog
war drum
war eagle
war economy
war flame
war footing
war galley
war game
war gas
war god
war goddess
war gods
war guilt
war hammer
war hat
war hawk
war head
war horse
war hound
war lord
war machine
war medal
war memorial
war neurosis
war of attrition
war of independence
war of movement
war of national liberation
war of nerves
war of position
war of the elements
war of words
war office
war paint
war party
war plans
war power
war proof
war rebel
war risk
war risk insurance
war rocket
war scare
war school
war scythe
war service chevron
war song
war spirit
war stamp
war surplus
war to end war
war traitor
war vessel
war whoop
war zone
war-appareled
war-blasted
war-breathing
war-breeding
war-broken
war-denouncing
war-dight
war-disabled
war-dreading
war-fain
war-famed
war-god
war-goddess
war-hawk
war-horse
war-savings certificate
war-savings stamp
war-tax stamp
war-time
war-weary
war-whoop
war-wolf
warble fly
warbler green
warbling vireo
ward heeler
ward hill
ward of the state
ward off
ward politics
ward-walk
warden court
warden pie
wardian case
warding file
wardmote court
wardmote quest
wardour-street
wardrobe bed
wardrobe case
wardrobe dealer
wardrobe trunk
ware cleaner
ware goose
ware grinder
ware sorter
warehouse bond
warehouse boy
warehouse clerk
warehouse foreman
warehouse receipt
warehouse sorter
warehouse truck
warlike spirit
warm as toast
warm assent
warm body
warm color
warm friend
warm friendship
warm front
warm heart
warm imagination
warm man
warm over
warm sector
warm spot
warm spring
warm temper
warm the bency
warm the blood
warm the cockles of the heart
warm the spirits
warm up
warm weather
warm welcome
warm work
warm-backed
warm-blooded
warm-breathed
warm-clad
warm-colored
warm-complexioned
warm-contested
warm-glowing
warm-headed
warm-hearted
warm-kept
warm-lying
warm-reeking
warm-sheltered
warm-tempered
warm-tinted
warm-up
warm-working
warm-wrapped
warmed over
warmed up
warmed-over
warmed-over cabbage
warmed-up
warming house
warming pad
warming pan
warming-pan
warming-up
warminster broom
warmth of color
warmth of feeling
warmth of heart
warn against
warning coloration
warning lever
warning piece
warning sign
warning signal
warp and weft
warp and woof
warp beam
warp frame
warp knit
warp knitting
warp lace
warp land
warp net
warp roll
warp sizer
warp stitch
warp tier
warp-knit
warp-knitted
warp-net frame
warp-proof
warped conception
warped judgment
warping bank
warping bridge
warping chock
warping hook
warping-frame
warple way
warrant of arrest
warrant of attorney
warrant officer
warrant trying
warrants off
warrants on
warranty deed
warrior ant
warrior bush
war saw grouper
wart cress
wart disease
wart grass
wart hog
wart snake
wart spurge
warted gourd
warted grass
warted spurge
wartime footing
warts and all
warty egg
warty-faced honey eater
wary-eyed
wary-footed
wary-looking
wash and wear
wash ball
wash barrel
wash bear
wash boiler
wash boring
wash coat
wash down
wash drawing
wash gilding
wash goods
wash leather
wash mill
wash miller
wash oil
wash out
wash pitcher
wash sale
wash sales
wash strake
wash up
wash water
wash your dirty linen in public
wash your hands of
wash your sins away
wash-and-wear
wash-and-wear fabric
wash-bear
wash-colored
wash-hand
wash-house
wash-in
wash-leather
wash-mouth
wash-out
wash-pot
wash-up
washable paint
washboard road
washed metal
washed out
washed sale
washed up
washed-out
washed-up
washing bear
washing bottle
washing crystal
washing engine
washing equipment
washing machine
washing maid
washing out
washing pot
washing powder
washing soda
washing tub
washing up
washing-up
washington pie
washington's birthday
washout process
washrag gourd
wasp ant
wasp bee
wasp beetle
wasp fly
wasp nest
wasp spider
wasp waist
wasp's nest
wasp-barbed
wasp-minded
wasp-stung
wasp-waisted
wasp-waistedness
wassail bowl
wassail cup
wassermann reaction
wassermann test
waste away
waste baling
waste bank
waste bin
waste book
waste box
waste boy
waste breaker
waste bundler
down heat
down leaf
down lot
down matter
down mold
down no words
down nut
down of breath
down of labor
down of time
down pallet
down pipe
down product
down the opportunity
down the precious hours
down time
down time in regret
down waste
down well
down your breath
down-cleaning
down-dwelling
down-heat boiler
down-heat drier
down-paper
down-thrift
down-wax process
downed away
downed loins
downtepaper basket
downes of outer space
downing asset
downing away
downing disease
downing palsy
watch adjuster
watch and wait
watch and ward
watch bell
watch bracelet
watch cap
watch chain
watch cleaner
watch coat
watch crystal
watch fire
watch fob
watch for
close for your moment
close glass
close guard
close it
close meeting
close movement
close night
close officer
close out
close out for
close over
close pocket
close repairer
close screw thread
close spring
close tackle
close television
close your step
close your weight
close-glass
close-making
close-night service
closeet-colored
closeful eye
closeful waiting
closeing and waiting
closeing brief
closeing for
closeing rate
closeman beetle
closeman's clock
closeman's rattle
water adder
water agrimony
water aloe
water arum
water avens
water awlwort
water back
water bag
water ballet
water bath
water bear
water bearer
water bed
water beetle
water bench
water bewitched
water bird
water biscuit
water blister
water bloom
water blue
water boat
water boatman
water bog rush
water bomb
water bottle
water bouget
water boy
water brash
water breather
water budget
water buffalo
water bug
water butt
water caltrop
water cannon
water carrier
water channel
water chestnut
water chinquapin
water clock
water closet
water color
water conservation
water cooler
water crake
water cress
water crowfoot
water cure
water cycle
water diviner
water dog
water down
water dropwort
water farmer
water fern
water fever
water flag
water flea
water flow
water fountain
water foxtail
water frame
water frontage
water furrow
water gap
water gas
water gate
water gauge
water gilder
water gilding
water glass
water god
water gods
water grass
water gum
water gun
water hair grass
water hammer
water hawthorn
water heater
water hemlock
water hen
water hole
water holly
water horehound
water hyacinth
water ice
water jacket
water jump
water kelpie
water leaf
water lemon
water lettuce
water level
water light
water lily
water lily tulip
water line
water locust
water loss
water main
water marigold
water meadow
water meadow grass
water meter
water milfoil
water mill
water mink
water mint
water moccasin
water mold
water motor
water nymph
water oak
water oat
water oats
water of ayr
water of crystallization
water of hydration
water of life
water off a duck's back
water oleander
water opossum
water ouzel
water oven
water ox
water paint
water parting
water pepper
water pimpernel
water pipe
water pipit
water pistol
water plantain
water platter
water plug
water poa
water pocket
water polo
water poppy
water power
water pox
water pump
water pumper
water purslane
water rail
water rat
water reed
water rice
water right
water sapphire
water scorpion
water set
water shield
water shrew
water skater
water ski
water sky
water slide
water smoke
water snail
water snake
water snowflake
water softener
water soldier
water sound
water spaniel
water spider
water spirit
water spot
water sprite
water sprout
water starwort
water strider
water supply
water system
water table
water tare grass
water target
water telescope
water thrush
water ton
water tortoise
water torture
water tower
water trap
water travel
water treatment
water vapor
water vapour
water vole
water wagon
water wagtail
water wave
water wheel
water willow
water wings
water witch
water witcher
water witching
water works
water-bag
water-bailage
water-bailiff
water-base paint
water-bath
water-bearer
water-bearing
water-beaten
water-bed
water-bind
water-borne
water-bound
water-brain
water-break
water-breathing
water-broken
water-buck
water-butt
water-can
water-carriage
water-carrier
water-cart
water-caster
water-clock
water-closet
water-color
water-colored
water-colorist
water-colour
water-commanding
water-consolidated
water-cool
water-cooled
water-cress
water-cressy
water-cure
water-dog
water-drinker
water-drinking
water-drop
water-dwelling
water-engine
water-fast
water-fennel oil
water-finished
water-flood
water-flowing
water-free
water-front
water-fronter
water-furrow
water-gall
water-galled
water-gas
car-water-gas tar
car-water-gate
car-water-gild
car-water-girt
car-water-glass
car-water-glass painting
car-water-gray
car-water-growing
car-water-gruel
car-water-gruellish
car-water-hammer
car-water-hen
car-water-hole
car-water-horse
car-water-ice
car-water-inch
car-water-jacket
car-water-jacketing
car-water-jelly
car-water-jet
car-water-laid
car-water-lane
car-water-level
car-water-lily
car-water-lily family
car-water-lily tree
car-water-line
car-water-line model
car-water-lined
car-water-living
car-water-logged
car-water-loving
car-water-mark
car-water-meadow
car-water-measure
car-water-melon
car-water-milfoil family
car-water-mill
car-water-mint
car-water-nut family
car-water-nymph
car-water-packed
car-water-pipe
car-water-plantain family
car-water-pot
car-water-power engineering
car-water-pumping
waterborne infection
watered fabric
watered silk
watered steel
watered stock
watered-down
waterglass painting
watering can
watering hole
watering place
watering pot
watering-place
watering-pot
watering-pot shell
waterless cooker
waterproofing salt
waters of Lethe
waters of bitterness
waters of oblivion
watertight integrity
watertube boiler
watery grave
watery-colored
watery-eyed
watery-headed
watt current
watt-hour
watt-hour meter
watt-second
wattle and dab
wattle and daub
wattle bark
wattle crow
wattled bee eater
wattled crow
wattled honey eater
wattled lapwing
wattled stare
wattless current
wave a flag
wave a wand
wave antenna
wave band
wave changer
wave cyclone
wave down
wave drag
wave equation
wave form
wave front
wave function
wave guide
wave mechanics
wave molding
wave motion
wave number
wave phenomenon
wave scroll
wave surface
wave system
wave telegraphy
wave telephony
wave the arms
wave the bloody shirt
wave the hand
wave the white flag
wave theory
wave top
wave train
wave trap
wave wheel
wave winding
wave-cut
wave-cut platform
wave-encircled
wave-form
wave-form theory
wave-green
wave-haired
wave-hollowed
wave-lashed
wave-laved
wave-like
wave-line
wave-making
wave-moist
wavering flame
wavering light
waving of the bloody shirt
wavy-coated
wavy-edged
wavy-grained
wavy-haired
wavy-leaved
wavy-toothed
waw consecutive
waw conversive
waw-waw
wax and wane
wax bean
wax bleacher
wax brown
wax candle
wax cloth
wax cluster
wax end
wax figure
wax flower
wax gland
wax gourd
wax insect
wax jack
wax light
wax modeler
wax modeling
wax moth
wax myrtle
wax palm
wax paper
wax pink
wax privet
wax tablet
wax tree
wax worm
wax-bearing
wax-billed
wax-chandler
wax-coated
wax-colored
wax-composed
wax-covered
wax-ended
wax-erected
wax-extracting
wax-featured
wax-finished
wax-forming
wax-headed
wax-jointed
wax-lighted
wax-polished
wax-producing
wax-red
wax-rubbed
wax-secreting
wax-shot
wax-stitched
wax-tipped
wax-topped
wax-white
wax-yellow
waxed paper
waxed tablet
waxing crescent moon
waxing moon
way back
way baggage
way beam
way bennet
way bent
way car
way chain
way enough
way freight
way in
way of dealing
way of escape
way of holding yourself
way of life
way of looking at things
way of putting
way of saying
way of seeing
way of speaking
way of the cross
way of thinking
way of understanding
way of walking
way off
way out
way passenger
way point
way shaft
way station
way thistle
way ticket
way train
way wire
way-beguiling
way-bill
way-clearing
way-down
way-god
way-haunting
way-off
way-out
way-up
way-weary
way-wise
way-wiser
way-worn
wayfaring tree
wayfaring-tree
waygoing crop
wayleave rent
ways and means
ways of the fathers
wayside cross
we happy few
we’ll see you
we-all
we-group
we-ship
we-uns
weak accumulation poi
weak as a baby
weak as a chicken
weak as a child
weak as a drink of water
weak as a kitten
weak as a mouse
weak as a rained-on bee
weak as milk and water
weak as water
weak derived set
weak ego
weak ending
weak in the upper story
weak interaction
weak knees
weak link
weak market
weak personality
weak point
weak side
weak sister
weak soul
weak stress
weak tool
weak will
weak-ankled
weak-armed
weak-backed
weak-bodied
weak-built
weak-chested
weak-chined
weak-chinned
weak-eyed
weak-fibered
weak-headed
weak-headdedly
weak-headedness
weak-hinged
weak-jawed
weak-kneed
weak-kneedly
weak-kneedness
weak-legged
weak-limbed
weak-lunged
weak-minded
weak-mindedly
weak-mindedness
weak-nerved
weak-pated
weak-spirited
weak-spiritedly
weak-spiritedness
weak-stemmed
weak-stomached
weak-toned
weak-voiced
weak-willed
weak-winged
weakengrow weak
weaker sex
weaker vessel
weakness comparisons
weakness of the flesh
wealth tax
wealth-encumbered
wealth-fraught
wealth-getting
wealth-yielding
wealthy man
wean from
wean your thoughts from
wean yourself from
weaning brash
weapons of mass destruction
wear a hairshirt
wear a mask
wear an earnest frown
wear and tear
wear away
wear back
wear blinkers
wear down
wear horns
wear iron
wear land
wear limit gauge
wear mourning
wear off
wear on
wear out
wear out your welcome
wear ragged
wear sackcloth
wear sackcloth and ashes
wear ship
wear short
wear the cloth
wear the crown
wear the horn
wear the look of
wear the pants
wear the uniform
wear thin
wear upon
wear upon one
wear well
wear you down
wear your heart on your sleeve
wear your heart upon your sleeve
wear-out
wearers of the cap and bells
weariness of life
wearing a hairshirt
wearing a sackcloth
wearing a sackcloth and ashes
wearing apparel
wearing arms
wearing away
wearing course
wearing down
wearisome sameness
wearisome trip
weary for
weary of life
weary to death
weary unto death
weary waste
weary-foot
weary-footed
weary-laden
weary-looking
weary-winged
weary-worn
weasel cat
weasel coot
weasel lemur
weasel out
weasel spider
weasel word
weasel words
weasel-faced
weasel-worded
weather anchor
weather back
weather balloon
weather bow
weather box
weather breeder
weather bureau
weather cast
weather caster
weather chart
weather cloth
weather deck
weather eye
weather forecast
weather forecaster
weather front
weather gall
weather gauge
weather helm
weather house
weather instrument
weather joint
weather map
weather out
weather prophet
weather rail
weather reconnaissance
weather reconnaissance plane
weather report
weather roll
weather satellite
weather science
weather scientist
weather sheet
weather ship
weather side
weather signal
weather slating
weather stain
weather station
weather strip
weather stripping
weather tack
weather the storm
weather tide
weather vane
weather wheel
weather wisdom
weather-battered
weather-beaten
weather-bitt
weather-bitten
weather-bound
weather-breeding
weather-driven
weather-eaten
weather-eye
weather-fagged
weather-fast
weather-fend
weather-free
weather-glass
weather-going tide
weather-guard
weather-hardened
weather-headed
weather-reporting network
weather-scarred
weather-slated
weather-stayed
weather-strip
weather-striped
weather-stripping
weather-tanned
weather-wasted
weather-wise
weatherboard house
weathered joint
weathered oak
weave bead
weave peace between
weave your way
weaver finch
weaver shell
weaver's hitch
weaver's knot
weazen-faced
web foot
web frame
web glazing
web lead
web maker
web member
web of intrigue
web perfecting press
web press
web printing
web saw
web spinner
web stiffener
web wheel
web-beam
web-fed
web-fed press
web-fingered
web-foot
web-footed
web-footedness
web-glazed
web-perfecting
web-toed
web-winged
web-worked
webbing moth
weber turn
wedded bliss
wedded pair
wedded state
wedded status
wedded to
wedded to poverty
wedded wife
wedding anniversary
wedding attendant
wedding breakfast
wedding cake
wedding canopy
wedding chest
wedding clothes
wedding day
wedding dinner
wedding flower
wedding gown
wedding guest
wedding journey
wedding knot
wedding march
wedding party
wedding ring
wedding sheet
wedding song
wedding veil
wedge bone
wedge character
wedge gauge
wedge gearing
wedge heel
wedge in
wedge-bearing
wedge-billed
wedge-form
wedge-formed
wedge-shaped
wedge-tailed
wedge-tailed dove
wedge-tailed eagle
wedge-tailed gull
wedge-tailed shearwater
wedged-tailed
wedging crib
wee bit
wee doch-an-dorrach
wee folk
wee tot
wee-wee
weed killer
weed out
weed tree
weed-choked
weed-cutting
weed-entwined
weed-fringed
weed-grown
weed-hidden
weed-hook
weed-hung
weed-killer
weed-killing
weed-ridden
weed-spoiled
weeded out
weeder clips
weeder hoe
weedy-bearded
weedy-haired
weedy-looking
week work
week-end
week-long
week-old
week-work
weekend bag
weekly newspaper
weekly payments
weeny-bopper
weep for
weep hole
weep over
weep with
weep with them that weep
weeping and gnashing of teeth
weeping ash
weeping beech
weeping cross
weeping eczema
weeping golden bell
weeping honey locust
weeping lantana
weeping myall
weeping pea tree
weeping willow
weeping-ripe
weese-allan
weet-weet
weft fork
weft knitting
weft sorter
weight-raising
weight-resisting
weight-watch
weight-watching
weighted down
weighting down
weir basin
weir box
weird sisters
weird-fixed
weird-looking
weird-set
weiss beer
welch plug
welcome as the roses in May
welcome mat
welcome release
welcome wagon
weld metal
welder's mask
welding blowpipe
welding engineer
welding powder
welding rod
welding torch
welfare aid
welfare capitalism
welfare cases
welfare client
welfare clients
welfare families
welfare payments
welfare program
welfare rolls
welfare state
welfare stater
welfare statism
welfare statist
welfare work
welfare worker
welkin eye
welkin-high
well I never
well I never!
well afford
well and good
well boat
well borer
well casing
well cress
well decker
well done
well driller
well drilling
well enough
well fern
well house
well in
well in hand
well log
well met
well off
well out
well out of
well over
well provided for
well rig
well room
well shrimp
well sinker
well smack
well staircase
well sweep
well to do in the world
well to live
well to pass
well tomb
well trap
well turned-out
well up on
well vessel
well water
well worship
well worth the money
well-able
well-abolished
well-abounding
well-absorbed
well-abused
well-accented
well-accentuated
well-accepted
well-accommodated
well-accompanied
well-accomplished
well-accorded
well-according
well-accoutered
well-accredited
well-accumulated
well-accustomed
well-achieved
well-acknowledged
well-acquainted
well-acquired
well-acted
well-adapted
well-addicted
well-addressed
well-adjusted
well-administered
well-admitted
well-adopted
well-adorned
well-advanced
well-adventured
well-advertised
well-advertized
well-advised
well-advocated
well-affected
well-affectedness
well-affectioned
well-affirmed
well-afforded
well-aged
well-agreed
well-agreeing
well-aimed
well-aired
well-alleged
well-allied
well-allotted
well-allowed
well-alphabetized
well-altered
well-amended
well-amused
well-analysed
well-analyzed
well-ancestored
well-anchored
well-anear
well-ankled
well-annealed
well-annotated
well-announced
well-anointed
well-answered
well-anticipated
well-appareled
well-apparelled
well-appearing
well-applauded
well-applied
well-appointed
well-appointedly
well-appointedness
well-appreciated
well-approached
well-appropriated
well-approved
well-arbitrated
well-arched
well-argued
well-armed
well-armored
well-armoured
well-aroused
well-arranged
well-arrayed
well-articulated
well-ascertained
well-assembled
well-asserted
well-assessed
well-assigned
well-assimilated
well-assisted
well-associated
well-assorted
well-assumed
well-assured
well-attached
well-attained
well-attempered
well-attempted
well-attended
well-attending
well-attested
well-attired
well-attributed
well-audited
well-authenticated
well-authorized
well-averaged
well-avoided
well-awakened
well-awarded
well-aware
well-baby clinic
well-backed
well-baked
well-balanced
well-balanced mind
well-baled
well-bandaged
well-bang
well-banked
well-barbered
well-bargained
well-base rim
well-based
well-bathed
well-batted
well-bearing
well-beaten
well-becoming
well-bedded
well-befitting
well-begotten
well-begun
well-behated
well-behaved
well-being
well-beknown
well-believed
well-believing
well-beloved
well-beneficed
well-bent
well-beseemingly
well-bespooken
well-bested
well-bestowed
well-blacked
well-blended
well-blent
well-blessed
well-blooded
well-blown
well-bodied
well-boding
well-boiled
well-bonded
well-boned
well-booted
well-bored
well-boring
well-born
well-borne
well-bottled
well-bottomed
well-bought
well-bound
well-bowled
well-boxed
well-braced
well-braided
well-branched
well-branded
well-brawnied
well-breasted
well-breathed
well-bred
well-bredness
well-brewed
well-bricked
well-bridged
well-broken
well-brooked
well-brought-up
well-browed
well-browned
well-brushed
well-built
well-buried
well-burned
well-burnished
well-burnt
well-bushed
well-busied
well-buttoned
well-caked
well-calculated
well-calculating
well-calked
well-called
well-calved
well-camouflaged
well-caned
well-canned
well-canvassed
well-cared-for
well-carpeted
well-carved
well-cased
well-cast
well-caught
well-cautioned
well-celebrated
well-cemented
well-censured
well-centered
well-centred
well-certified
well-chained
well-changed
well-chaperoned
well-characterized
well-charged
well-charted
well-chauffeured
well-checked
well-cheered
well-cherished
well-chested
well-chewed
well-chilled
well-choosing
well-chopped
well-chosen
well-chosen moment
well-churned
well-circularized
well-circulated
well-circumstanced
well-civilized
well-clad
well-classed
well-classified
well-cleansed
well-cleared
well-climaxed
well-cloaked
well-cloistered
well-closed
well-closing
well-clothed
well-coached
well-coated
well-coined
well-collected
well-colonized
well-colored
well-combed
well-combined
well-commanded
well-commenced
well-commended
well-committed
well-communicated
well-compacted
well-compared
well-compassed
well-compensated
well-compiled
well-completed
well-complexioned
well-composed
well-comprehended
well-concealed
well-conceded
well-conceived
well-concentrated
well-concerted
well-concluded
well-concocted
well-concorded
well-condensed
well-conditioned
well-conducted
well-conferrered
well-confessed
well-confided
well-confirmed
well-connected
well-conned
well-consenting
well-conserved
well-considered
well-consoled
well-consorted
well-constituted
well-constricted
well-constructed
well-construed
well-contained
well-content
well-contented
well-contested
well-continued
well-contracted
well-contrasted
well-contrived
well-controlled
well-conveyed
well-convinced
well-cooked
well-cooled
well-coordinated
well-copied
well-corked
well-corrected
well-corseted
well-costumed
well-couched
well-counselled
well-counselling
well-counted
well-counterfeited
well-coupled
well-courted
well-covered
well-cowed
well-crammed
well-crated
well-credited
well-cress
well-crested
well-criticized
well-crocheted
well-cropped
well-crossed
well-crushed
well-cultivated
well-cultured
well-curbed
well-cured
well-curled
well-curried
well-curved
well-cushioned
well-cut
well-cutting
well-damped
well-danced
well-darkened
well-darned
well-dealing
well-dealt
well-debated
well-deceived
well-decided
well-deck
well-decked
well-declaimed
well-decorated
well-decreed
well-deeded
well-deemed
well-defended
well-deferred
well-defined
well-delayed
well-deliberated
well-delineated
well-delivered
well-demeaned
well-demonstrated
well-denied
well-depicted
well-derived
well-descended
well-described
well-deserved
well-deserved punishment
well-deservedly
well-deserver
well-deserving
well-deservingness
well-designated
well-designed
well-designing
well-desired
well-destroyed
well-developed
well-devised
well-diagnosed
well-diffused
well-digested
well-directed
well-disbursed
well-disciplined
well-discounted
well-discussed
well-disguised
well-dish
well-dispersed
well-displayed
well-disposed
well-disposedly
well-disposedness
well-dispositioned
well-disputed
well-dissected
well-dissembled
well-dissipated
well-distanced
well-distinguished
well-distributed
well-diversified
well-divided
well-divined
well-documented
well-doer
well-doing
well-domesticated
well-dominated
well-done
well-dosed
well-drafted
well-drain
well-drained
well-dramatized
well-drawn
well-dressed
well-dried
well-drilled
well-driven
well-drugged
well-dunged
well-dusted
well-dying
well-cared
well-earned
well-earthed
well-eased
well-economized
well-edited
well-educated
well-effected
well-elaborated
well-elevated
well-eliminated
well-embodied
well-emphasized
well-employed
well-enacted
well-enchanting
well-encountered
well-encouraged
well-ended
well-endorsed
well-endowed
well-enforced
well-engineered
well-engraved
well-enlightened
well-entered
well-entertained
well-entitled
well-enumerated
well-enveloped
well-equipped
well-erected
well-escorted
well-essayed
well-established
well-esteemed
well-estimated
well-evidence
well-evidenced
well-examined
well-executed
well-exemplified
well-exercised
well-exerted
well-exhibited
well-expended
well-experienced
well-explained
well-explicated
well-exploded
well-exposed
well-expressed
well-fabricated
well-faced
well-faded
well-famed
well-fancied
well-farmed
well-fashioned
well-fastened
well-fatted
well-favored
well-favoredly
well-favoredness
well-favoured
well-favouredness
well-feasted
well-feathered
well-featured
well-fed
well-feed
well-feigned
well-felt
well-fenced
well-fended
well-fermented
well-fielded
well-filed
well-filled
well-filmed
well-filtered
well-financed
well-fined
well-finished
well-fitted
well-fitting
well-fixed
well-flanked
well-flattered
well-flavored
well-flavoured
well-fledged
well-fleeced
well-fleshed
well-flooded
well-floored
well-floured
well-flowered
well-flowering
well-focused
well-focussed
well-folded
well-followed
well-fooled
well-foreseen
well-forested
well-forewarned
well-forewarning
well-forged
well-forgotten
well-formed
well-formulated
well-fortified
well-fought
well-found
well-founded
well-foundedly
well-foundedness
well-framed
well-fraught
well-freckled
well-freighted
well-frequented
well-fried
well-friended
well-frightened
well-fruited
well-fueled
well-fuelled
well-functioning
well-furnished
well-furnishedness
well-furred
well-gained
well-gaited
well-gardened
well-garmented
well-garnished
well-gathered
well-geared
well-generated
well-gifted
well-girt
well-glossed
well-gloved
well-glued
well-going
well-gotten
well-governed
well-gowned
well-graced
well-graded
well-grained
well-grasssed
well-gratified
well-graveled
well-gravelled
well-graven
well-greased
well-greaved
well-greeted
well-groomed
well-groomedness
well-grounded
well-grounded hope
well-grouped
well-grown
well-guaranteed
well-guarded
well-guessed
well-guided
well-guiding
well-guyed
well-hained
well-haired
well-hallowed
well-hammered
well-handicapped
well-handled
well-hardened
well-harnessed
well-hatched
well-havened
well-hazarded
well-head
well-headed
well-healed
well-heard
well-hearted
well-heated
well-hedged
well-heeled
well-helped
well-hemmed
well-hewn
well-hidden
well-hinged
well-hit
well-hoarded
well-hole
well-holed
well-hoofed
well-hooped
well-horned
well-horsed
well-housed
well-hued
well-humbled
well-humbugged
well-humored
well-humoured
well-hung
well-husbanded
well-iced
well-identified
well-ignored
well-illustrated
well-imagined
well-imitated
well-immersed
well-implied
well-imposed
well-impressed
well-improved
well-improvised
well-inaugurated
well-inclined
well-included
well-incurred
well-indexed
well-indicated
well-inferred
well-informed
well-inhabited
well-initiated
well-inscribed
well-inspected
well-installed
well-instance
well-instituted
well-instructed
well-insulated
well-insured
well-integrated
well-intended
well-intentioned
well-interested
well-interpreted
well-interviewed
well-introduced
well-invented
well-invested
well-investigated
well-ironed
well-irrigated
well-itemized
well-joined
well-jointed
well-judged
well-judging
well-judgingly
well-justified
well-kempt
well-kenned
well-kent
well-kept
well-kindled
well-knit
well-knitted
well-knotted
well-knowing
well-knowledged
well-known
well-known fact
well-labeled
well-labored
well-laboring
well-laboured
well-laced
well-laden
well-laid
well-languaged
well-larded
well-launched
well-laundered
well-leaded
well-learned
well-leased
well-leaved
well-led
well-left
well-lent
well-less
well-lettered
well-leveled
well-levelled
well-levied
well-lighted
well-like
well-liked
well-liking
well-limbed
well-limited
well-limned
well-lined
well-lined purse
well-linked
well-lit
well-liveried
well-living
well-loaded
well-located
well-locked
well-lodged
well-lofted
well-looked
well-looking
well-looked
well-lost
well-loved
well-lunged
well-made
well-made play
well-maintained
well-managed
well-manned
well-mannered
well-manufactured
well-manured
well-mapped
well-marked
well-marketed
well-married
well-marshalled
well-masked
well-mastered
well-matched
well-mated
well-matured
well-meanner
well-meaning
well-meaningly
well-meaningness
well-meant
well-measured
well-membered
well-mended
well-merited
well-met
well-metalled
well-methodized
well-mettled
well-milked
well-mingled
well-minted
well-mixed
well-modeled
well-modified
well-modulated
well-modulated
well-moduled
well-modulated
well-moneysed
well-moralized
well-motivated
well-motived
well-moulded
well-mouted
well-mouthed
well-named
well-narrated
well-natured
well-naturendness
well-navigated
well-near
well-necked
well-needed
well-negotiated
well-neighbored
well nicknamed
well-nigh
well-nosed
well-noted
well-nourished
well-nursed
well-nurtured
well-oared
well-obeyed
well-observed
well-occupied
well-off
well-officered
well-oiled
well-omened
well-omitted
well-operated
well-opinioned
well-ordered
well-ordered set
well-ordering theorem
well-organised
well-organized
well-oriented
well-ornamented
well-ossified
well-outlined
well-overseen
well-packed
well-paid
well-painted
well-paired
well-paneled
well-paragraphed
well-parceled
well-parked
well-past
well-patched
well-patrolled
well-patronised
well-patronized
well-paved
well-paying
well-penned
well-pensioned
well-peopled
well-perceived
well-perfected
well-performed
well-persuaded
well-philosophized
well-photographed
well-picked
well-pictured
well-piloted
well-pitched
well-placed
well-planned
well-planted
well-played
well-plead
well-pleased
well-pleasedly
well-pleasedness
well-pleasing
well-pleasingness
well-plenished
well-plotted
well-plowed
well-plucked
well-plumaged
well-plumed
well-pointed
well-policed
well-policied
well-polished
well-pollled
well-pondered
well-posed
well-positioned
well-possessed
well-posted
well-postponed
well-practiced
well-predicted
well-prepared
well-preserved
well-pressed
well-pretended
well-priced
well-primed
well-principled
well-printed
well-prized
well-professed
well-prolonged
well-pronounced
well-prophesied
well-proportioned
well-prosecuted
well-protected
well-proved
well-proven
well-provendered
well-provided
well-published
well-punished
well-pursed
well-pushed
well-put
well-puzzled
well-qualified
well-qualified
well-quartered
well-quizzed
well-raised
well-rated
well-read
well-read in
well-readed
well-reared
well-reasoned
well-received
well-recited
well-reckoned
well-recognised
well-recognized
well-recommended
well-recorded
well-recovered
well-refereed
well-referred
well-refined
well-reflected
well-reformed
well-refreshed
well-refreshing
well-regarded
well-regulated
well-regulated mind
well-rehearsed
well-relished
well-relishing
well-remarked
well-remembered
well-rendered
well-rented
well-repaid
well-repaired
well-replaced
well-replenished
well-reported
well-represented
well-reprinted
well-reputed
well-requited
well-resolved
well-resounding
well-respected
well-rested
well-restored
well-revenged
well-reviewed
well-revised
well-rewarded
well-rhymed
well-ribbed
well-ridden
well-rigged
well-ringed
well-ripened
well-risen
well-risked
well-roasted
well-rode
well-rolled
well-roofed
well-rooted
well-roped
well-rotted
well-rounded
well-rounded periods
well-routed
well-rowed
well-rubbed
well-rulled
well-ruling
well-run
well-running
well-sacrificed
well-saffroned
well-sailing
well-salted
well-sanctioned
well-sanded
well-satisfied
well-saved
well-savoring
well-saying
well-scared
well-scattered
well-scented
well-scheduled
well-schemed
well-schooled
well-scolded
well-scorched
well-scored
well-screened
well-scrubbed
well-sealed
well-searched
well-seasoned
well-seated
well-secluded
well-secured
well-seeded
well-seeing
well-seeming
well-seen
well-selected
well-selling
well-sensed
well-separated
well-served
well-set
well-set-up
well-settled
well-sewn
well-shaded
well-shading
well-shafted
well-shaken
well-shaped
well-shapen
well-sharpened
well-shaved
well-shaven
well-sheltered
well-shod
well-shot
well-showered
well-shown
well-sifted
well-sighted
well-simulated
well-sinewed
well-sinking
well-situated
well-sized
well-sketched
well-skilled
well-skinned
well-smelling
well-smoked
well-soaked
well-sold
well-souled
well-sorted
well-sounding
well-sped
well-sprayed
well-spring
well-split
well-splitting
well-spoken
well-sprayed
well-spread
well-spring
well-spun
well-spurred
well-squared
well-stabilized
well-stacked
well-staffed
well-staged
well-stained
well-stamped
well-starred
well-stated
well-stationed
well-steered
well-stirred
well-stitched
well-stocked
well-stopped
well-stored
well-strengthened
well-strained
well-strapped
well-stressed
well-stretched
well-striven
well-stroked
well-strung
well-studied
well-stuffed
well-styled
well-subscribed
well-succeeding
well-sufficing
well-sugared
well-suggested
well-suited
well-summarised
well-summarized
well-sunburned
well-sung
well-superintended
well-supervised
well-supplemented
well-supplied
well-supported
well-suppressed
well-sustained
well-swelled
well-swollen
well-systematised
well-systematized
well-tailored
well-taken
well-tamed
well-tanned
well-tasted
well-taught
well-taxed
well-tempered
well-tenanted
well-tended
well-terraced
well-tested
well-thewed
well-thought
well-thought-of
well-thought-out
well-thrashed
well-thriven
well-thrown
well-thumbed
well-tied
well-tilled
well-timbered
well-timed
well-timed opportunity
well-tinted
well-to-do
well-toasted
well-told
well-toned
well-tongued
well-toothed
well-tossed
well-traced
well-traded
well-trained
well-translated
well-trapped
well-traveled
well-travelled
well-treated
well-tricked
well-tried
well-trimmed
well-trod
well-trodden
well-trunked
well-trussed
well-trusted
well-tuned
well-turned
well-turned periods
well-turned-out
well-tutored
well-twisted
well-typed
well-umpired
well-understood
well-uniformed
well-united
well-upholstered
well-urged
well-used
well-utilized
well-valeted
well-varied
well-varnished
well-veiled
well-ventilated
well-ventured
well-verified
well-versed
well-visualised
well-visualized
well-voiced
well-vouched
well-walled
well-wared
well-warmed
well-warned
well-warranted
well-washed
well-watched
well-watered
well-weaponed
well-wearing
well-weaved
well-weaving
well-wedded
well-weighed
well-weighing
well-whipped
well-wigged
well-willed
well-willer
well-willing
well-winded
well-windowed
well-winged
well-winnowed
well-wired
well-wish
well-wisher
well-wishing
well-witnessed
well-witted
well-won
well-wooded
well-wooing
well-wooled
well-worded
well-worked
well-worked-out
well-worn
well-worn groove
well-woven
well-wreathed
well-written
well-wrought
well-yoked
wellington boot
welsh corgi
welsh harp
welsh hook
welsh rabbit
welsh rarebit
welsh springer spaniel
welsh terrier
welt seam
welter in your own blood
welter weight
wen-li
wend your way
were it not
were it not that
were-
were-animal
were-animals
were-ass
west Greenland current
west by north
west by south
west coast fir
west coast hemlock
west country
west end
west germanic
west highland
west india
west indian
west indies
west saxon
west wind
west wind drift
west-by
west-central
west-ender
west-endism
west-edy
west-faced
west-facing
west-going
west-india man
west-north-west
west-northwest
west-northwesterly
west-northwestward
west-south-west
west-southwest
west-southwesterly
west-southwestward
west-southwestwardly
west-turning
west-winded
west-windy
western diamondback rattlesnake
western frame
western hemisphere
western hemlock
western juniper
western mountain ash
western omelet
western paper birch
western red cedar
western roll
western sandwich
western swing
western tanager
western wool
western yellow pine
westphalian ham
westward-looking
wet behind the ears
wet blanket
wet bulb
wet cell
wet chinook
wet cleaner
wet compass
wet contact
wet cooper
wet dock
wet down
wet dream
wet fly
wet look
wet moon
wet nurse
wet pack
wet pleurisy
wet puddling
wet rot
wet season
wet snow
wet squib
wet strength
wet suit
wet to the skin
wet wash
wet weather
wet weathers
wet with sweat
wet your whistle
wet-air
wet-air pump
wet-and-dry-bulb thermometer
wet-blanket
wet-blanketing
wet-bulb
wet-bulb thermometer
wet-cell
wet-cheeked
wet-clean
wet-eyed
wet-footed
wet-lipped
wet-my-lip
wet-nurse
wet-nursed
wet-nursing
wet-pipe
wet-pipe system
wet-plate
wet-plate process
wet-process machine
wet-salt
wet-season
wet-shod
wet-worked
wether wool
wetlands conservation
wetness fraction
wetter-off
wetting agent
wetting down
wetting-out agent
wh-movement
whack down
whack off
whack up
whale barnacle
whale catcher
whale feed
whale fin
whale fisher
whale fisherman
whale fishery
whale fishing
whale food
whale iron
whale line
whale louse
whale of a difference
whale oil
whale shark
whale-backed
whale-built
whale-gig
whale-headed
whale-hunting
whale-mouthed
whale-tailed
whalebone tree
whalebone whale
whaling fleet
whaling gun
whaling master
whaling port
whaling rocket
whare-kura
whare-puni
whare-wananga
wharf boat
wharf dues
wharf duty
wharf end
wharf fee
wharf fish
wharf hand
wharf laborer
wharf lumper
wharf monkey
wharf owner
wharf rat
wharf spike
wharf worker
what a life
what are the odds
what bodes
what boots it
what can be done
what can be seen
what can never be
what cannot be
what cannot happen
what do I care
what do you know
what do you know about that
what does it matter
what else is new
what for
what goes up must come down
what happens
what have you
what if
what in the world
what is coming to one
what is coming to you
what is comprised
what is condign
what is contained
what is destined
what is done
what is doomed
what is due
what is fated
what is in the books
what is included
what is merited
what is owing
what is possible
what is proper
what is revealed
what is right
what is to be
what is to come
what it is about
what it takes
what looms
what makes it tick
what makes you tick
what matter
what may be
what might be
what must not be
what of it
what on earth
what ought not be
what ought to be
what ought to be done
what should be
what should not be
what the hell
what time
what will be will be
what you are about
what you are doing
what you are responsible for
what you are worth
what you can call your own
what you can do
what you have coming
what you have earned
what you have to your name
what you may fairly call
what you may fitly call
what you may properly call
what you may well call
what you merit
what you will
what's happening
what's in
what's in it for one
what's it to you
what's its name
what's the diff
what's the difference
what's the odds
what's what
what's-her-name
what's-his-face
what's-his-name
what's-its-name
what-d'ye-call-'em
what-d'ye-call-it
what-d'you-call-it
what-do-you-call-it
what-eer
what-for
what-is-it
what-like
what-you-call-it
what-you-may call-it
what-you-may--call-it
what-you-may-call-'em
whatever comes
whatever may happen
whatever the cost
wheat stem rust
wheat thief
wheat thrips
wheat weevil
wheat weigher
wheat-blossoming
wheat-colored
wheat-fed
wheat-growing
wheat-head army worm
wheat-hid
wheat-producing
wheat-raising
wheat-rich
wheat-stem maggot
wheat-stem sawfly
wheat-straw
wheat-lea cockle
wheatsel bird
wheatstone bridge
wheel about
wheel and axle
wheel and deal
wheel animal
wheel animalcule
wheel around
wheel back
wheel barometer
wheel base
wheel bearer
wheel bug
wheel case
wheel chain
wheel chair
wheel colter
wheel control
wheel cowlings
wheel cross
wheel cultivator
wheel excavator
wheel fitter
wheel governor
wheel hoe
wheel horse
wheel lathe
wheel load
wheel load weigher
wheel lock
wheel maker
wheel man
wheel map
wheel money
wheel of chance
wheel of fortune
wheel ore
wheel organ
wheel parts
wheel pen
wheel pit
wheel plate
wheel plow
wheel rod
wheel rope
wheel scraper
wheel static
wheel stitch
wheel tracery
wheel trap
wheel tree
wheel trolley
wheel welder
wheel window
wheel-backed
wheel-barrower
wheel-broad
wheel-cut
wheel-cutting
wheel-footed
wheel-going
wheel-made
wheel-marked
wheel-mounted
wheel-resembling
wheel-shaped
wheel-smashed
wheel-spun
wheel-supported
wheel-track
wheel-turned
wheel-turning
wheel-worn
wheelbarrow race
wheeler and dealer
wheeler-dealer
wheeling and dealing
wheels within wheels
whelk tingle
whelk-shaped
when all is said and done
when as
when day is done
when hell freezes over
when in Rome do as the Romans do
when issued
when it is handy
when the chips are down
when the mood strikes
when the spirit moves
when you get around to it
when you have a minute to spare
when you have the time
when your ship comes in
when-issued
whenever you like
whenever you wish
where it's at
where the earth meets the sky
where the shoe pinches
where the sun beats
where the sun rises
where you are
where you live
where you reside
where you sit
where you stand
wherefore, the
wherever it may be
 wherever you look
wherever you turn
whet slate
whet the appetite
whet the knife
whet the sword
whet your interest
whether or no
whether you will or not
whetstone slate
whetstone-shaped
whettle-bone
whew duck
whey bird
whey butter
whey cure
whey whig
whey-bearded
whey-blooded
whey-brained
whey-colored
whey-face
whey-faced
whi-Zbang
which is Not we
which is in us and all around us
which see
which way the wind blows
whidah bird
whidah finch
whiff of grapeshot
whiffle ball
while airborne
while away
while away the time
while life endures
while on the subject
while you draw breath
whim berry
whim gin
whim-proof
whim-wham
whim-whams
whin sparrow
whin-wrack
whing-ding
whip along
whip and spur
whip antenna
whip away
whip bird
whip crane
whip crop
whip gin
whip graft
whip graftage
whip grass
whip hand
whip handle
whip hoist
whip horse
whip in
whip into shape
whip line
whip maker
whip off
whip on
whip purchase
whip ray
whip rod
whip roll
whip row
whip scorpion
whip snake
whip stall
whip thread
whip top
whip up
whip yarn
whip yourself
whip-bearing
whip-corrected
whip-cracker
whip-cracking
whip-ended
whip-grafting
whip-hand
whip-jack
whip-lash
whip-marked
whip-poor-will
whip-round
whip-saw
whip-shaped
whip-stick
whip-stitch
whip-tailed
whip-tom-kelly
whip-tongue
whip-up
whip-wielding
whipbelly vengeance
whipcord willow
whiplash injury
whipped cream
whipped up
whipper-in
whipper-snapper
whippers-in
whippet tank
whipping boy
whipping cream
whipping girl
whipping post
whipping top
whipping up
whipping-boy
whipping-snapping
whipping-up
whipsy-derry
whiptail shark
whirl drill
whirl gate
whirl like a dervish
whirl the mind
whirl-
whirl-blast
whirl-shaped
whirligig beetle
whirligig mullet
whirligig of time
whirling dervish
whirling table
whirlpool bath
whirlpool nebula
whirlwinds of tempestuous fire
whirly-
whisk broom
whisk tail
whisk-tailed
whisker boom
whisker jumper
whisker pole
whiskey jack
whiskey smash
whiskey sour
whisky cherry
whisky drinker
whisky jack
whisky john
whisky liver
whisky mac
whisky poker
whisky sour
whisky-drinking
whisky-frisky
whisky-jack
whisky-sodden
whisper glide
whisper glottis
whisper in the ear
whisper sweet nothings
whisper-soft
whispered about
whispering campaign
whispering dome
whispering gallery
whispering office
whispering pectoriloquy
whispering voice
whist drive
whistle at
whistle duck
whistle for
whistle punk
whistle stop
whistle-blower
whistle-pig
whistle-stop
whistle-stop campaign
whistle-stopper
whistle-stopping
whistlebelly vengeance
whistling buoy
whistling duck
whistling jar
whistling swan
whit sunday
white Leghorn
white Mariposa
white Orpington
white Plymouth Rock
white Wyandotte
white acid
white admiral
white alert
white alkali
white ant
white area
white arsenic
white as a lily
white as a sheet
white as snow
white ash
white ash herb
white bass
white bay
white bear
white beet
white belt
white birch
white blood cell
white blood corpuscle
white book
white boy
white bread
white bronze
white bryony
white cake
white campion
white cast iron
white cedar
white chip
white clover
white coal
white comparisons
white cooper
white corpuscle
white crab
white crappie
white cross
white currant
white daisy
white damp
white dew
white dutch clover
white dwarf
white dwarf star
white eardrop
white elephant
white elephant sale
white ensign
white feather
white flag
white flax
white flint
white fox
white friar
white frost
white gas
white gasoline
white globe lily
white gold
white goldenrod
white goods
white gourd
white grape
white grease
white gum
white hairs
white hake
white heat
white hole
white hope
white horde
white horehound
white horse
white horses
white house
white hunter
white iron
white iron pyrites
white lead
white lead ore
white leather
white leg
white lie
white light
white lightning
white lime
white line
white liquor
white list
white liver
white livered
white lotus
white lupine
white magic
white mahogany
white man
white man's burden
white marlin
white matter
white meat
white melilot
white metal
white moss
white mulberry
white mule
white mustard
white noise
white oak
white oil
white paper
white paternoster
white pepper
white perch
white pine
white plague
white poplar
white potato
white pottery
white power
white primary
white pudding
white race
white rainbow
white rat
white room
white rose
white rose mallow
white rot
white russian
white rust
white sage
white sale
white salmon
white sandalwood
white sapote
white sapphire
white sauce
white sea bass
white shark
white sidewall tire
white slave
white slaver
white slavery
white snakeroot
white sour
white space
white spirit
white spiritual
white spruce
white squall
white staff
white stork
white stuff
white sturgeon
white supremacist
white supremacy
white swamp azalea
white tassel flower
white tie
white tie and tails
white titi
white turnip
white upland aster
white vitriol
white walnut
white water
white water lily
white wax
white way
white whale
white wine
white with age
white wolf
white wood aster
white-acre
white-alder
white-alder family
white-ankled
white-ant
white-anted
white-armed
white-ash
white-backed
white-barked
white-barred
white-beaked
white-bearded
white-bellied
white-berried
white-billed
white-blood
white-blooded
white-blue
white-bodied
white-bone
white-boned
white-bordered
white-bosomed
white-breasted
white-brick
white-browed
white-brown
white-burning
white-capped
white-cell
white-cell blood
white-cheeked
white-chinned
white-churned
white-clad
white-clothed
white-coated
white-collar
white-collar intellectual
white-collar thief
white-collar worker
white-colored
white-cotton
white-cotton tree
white-crested
white-cross
white-cross diatom
white-crossed
white-crowned
white-crowned sparrow
white-domed
white-dotted
white-dough
white-ear
white-eared
white-eye
white-eyed
white-eyed vireo
white-eyelid
white-eyelid monkey
white-eyes
white-faced
white-faced hornet
white-favored
white-feathered
white-featherism
white-felleted
white-flanneled
white-flecked
white-fleshed
white-flowered
white-flowing
white-foot
white-footed
white-footed mouse
white-frilled
white-fringed
white-froked
white-fronted
goose
white-fruited
girdled
white-glittering
gloved
gray
green
ground
haired
haired
handed
hard
hatted
headed
heart
heart hickory
hoofed
hooved
horned
horsed
hot
jacketed
laced
leaf
leaved
legged
lie
lined
linen
lipped
list
listed
livered
liveredly
liveredness
loaf
looking
maned
mantled
marked
mooned
mottled
mouthed
mustard
mustard oil
necked
nosed
white-painted
white-paneled
white-petaled
white-pickle
white-pickle mosaic
white-pine
white-pine blister rust
white-pine rust
white-pine weevil
white-piped
white-plumed
white-rag
white-railed
white-rayed
white-red
white-ribbed
white-ribboned
white-ribboner
white-rinded
white-robed
white-roofed
white-ruffled
white-rumped
white-russet
white-salted
white-satin
white-set
white-sewing
white-shafted
white-sheeted
white-shouldered
white-sided
white-skin
white-skinned
white-slaver
white-slaving
white-sleeved
white-spored
white-spotted
white-stemmed
white-stoled
white-strawed
white-tail
white-tailed
white-tailed deer
white-tailed kit
white-tailed kite
white-tailed sea eagle
white-thighed
white-throated
white-throated sparrow
white-tinned
white-tipped
white-tomentose
white-tongued
white-tooth
white-toothed
white-topped
white-tufted
white-tusked
white-uniformed
white-veiled
white-veined
white-vented
white-waistcoated
white-walled
white-wanded
white-water
white-waving
white-way
white-whiskered
white-wig
white-wigged
white-winged
white-winged coot
white-winged dove
white-winged scoter
white-woolly
white-wristed
white-zoned
whitebark pine
whited sepulcher
whited sepulchre
whitening stone
whitetail deer
whitetailed deer
whitewall tire
whitewash job
whitewood bark
whiting bottle
whiting box
whiting brush
whiting can
whiting dabber
whiting filler
whiting furnace
whiting kit
whiting loader
whiting maker
whiting mill
whiting packer
whiting paste
whiting pollack
whiting pout
whiting powder
whiting sponge
whiting time
whiting tin
whitish-blue
whitish-brown
whitish-cream
whitish-flowered
whitish-green
whitish-lavender
whitish-red
whitish-tailed
whitish-yellow
whitley council
whitflow grass
whitlowwort family
whitten tree
whitty-tree
whity-brown
whity-gray
whity-green
whity-yellow
whiz about
whiz kid
whiz off
whiz-bang
whizz-bang
whizzing stick
who cares
who feel great truths
who knows
who would have thought it
who's who
who-does-what
who-whoop
whole amount
whole attention
whole ball of wax
whole bit
whole blood
whole brother
whole bunch
whole caboodle
whole deal
whole gale
whole hog
whole kit and caboodle
whole kit and kaboodle
whole life insurance
whole megillah
whole mess
whole milk
whole note
whole number
whole offering
whole people
whole picture
whole rest
whole schmear
whole shebang
whole shooting match
whole show
whole shtick
whole slew
whole step
whole story, the
whole time
whole tone
whole wheat
whole wheat bread
whole wheat flour
whole wide world
whole works
whole-and-half
whole-and-half compass
whole-backed
whole-bodied
whole-bound
whole-cloth
whole-colored
whole-eared
whole-eyed
whole-feathered
whole-footed
whole-headed
whole-hearted
whole-hog
whole-hogger
whole-hoofed
whole-leaved
whole-length
whole-minded
whole-mouthed
whole-or-none
whole-sail
whole-seas
whole-skinned
whole-souled
whole-souledly
whole-souledness
whole-spirited
whole-step
whole-timer
whole-tone scale
whole-wheat
whole-witted
wholesale dealer
wholesale house
wholesale murder
wholesale price
whomp up
whoop and a holler
whoop it up
whoop it up about
whoop-de-do
whoop-de-doo
whoop-de-dos
whoop-up
whooppee cup
whooper swan
whooping cough
whooping crane
whooping-cough
whore's bird
whorl foot
why yes
why-not
whydah bird
wi-wi
wibble-wabble
wibble-wobble
wicked imitation
wicked, the
wicked-acting
wicked-eyed
wicked-looking
wicked-minded
wicked-speaking
wicked-tongued
wicker basket
wicker-woven
wicket dam
wicket door
wicket gate
wicket maiden
widbin pear tree
wide apart
wide as a church door
wide awake
wide away
wide berth
wide gauge
wide knowledge
wide margin
wide of the mark
wide open
wide place in the road
wide ration
wide reading
wide world
wide-a-wake
wide-abounding
wide-accepted
wide-angle
wide-angle lens
wide-arched
wide-armed
wide-awake
wide-awake hat
wide-awakeness
wide-banked
wide-bottomed
wide-branching
wide-breasted
wide-brimmed
wide-cast
wide-chapped
wide-circling
wide-climbing
wide-consuming
wide-crested
wide-distant
wide-doored
wide-eared
wide-echoing
wide-elbowed
wide-expanded
wide-expanding
wide-extended
wide-extending
wide-eyed
wide-faced
wide-flung
wide-framed
wide-gaping
wide-gated
wide-girdled
wide-handed
wide-hipped
wide-honored
wide-imperial
wide-jointed
wide-kneed
wide-lamented
wide-leafed
wide-leaved
wide-lipped
wide-met
wide-minded
wide-mindedness
wide-moutherd
wide-necked
wide-nosed
wide-open
wide-open spaces
wide-open speed
wide-opened
wide-openly
wide-openness
wide-palmed
wide-patched
wide-permitted
wide-petaled
wide-pledged
wide-ranging
wide-reaching
wide-realmed
wide-resounding
wide-ribbed
wide-rimmed
wide-rolling
wide-roving
wide-row
wide-said
wide-sanctioned
wide-screen
wide-seen
wide-set
wide-shaped
wide-shown
wide-skirted
wide-sleeved
wide-sold
wide-soled
wide-sought
wide-spaced
wide-spanned
wide-spread
wide-spreaded
wide-spreaded
wide-spreaded
wide-straddling
wide-straddled
wide-stretched
wide-stretching
wide-throated
wide-toed
wide-toothed
wide-tracked
wide-veined
wide-wasting
wide-watered
wide-wayed
wide-where
wide-winding
wide-winged
wide-yawning
widely apart
widely known
widely read
widen the distance
widest dissemination
widgeon coot
widgeon grass
widow bird
widow duck
widow finch
widow fish
widow flower
widow lady
widow monkey
widow right
widow woman
widow's benefit
widow's cruse
widow's dower
widow's nite
widow's peak
widow's walk
widow's weeds
widow's-cross
widow-bench
widow-bird
widow-maker
widow-wail
widow-wail family
wie geht's
wield authority
wield the baton
wield the scepter
wield the sword
wiener roast
wiener schnitzel
wienie roast
wife in all but name
wife in name only
wife of your bosom
wife swapping
wife-awed
wife-beating
wife-bound
wife-hunting
wife-ridden
wife-to-be
wife-worn
wig block
wig sumac
wig tree
wig-wag
wiggen tree
wiggle nail
wiggle out of
wiggle the finger at
wiggle-tail
wiggle-tail cultivator
wiggle-waggle
wiggle-wobble
wiggly-waggly
wigwag flag
wigwag signal
wilcolored flowers
wild West
wild about
wild allspice
wild and woolly
wild animal
wild animals
wild ass
wild basil
wild bean
wild beast
wild beasts
wild bergamot
wild bleeding-heart
wild boar
wild brier
wild calla
wild carrot
wild cat
wild celery
wild cherry
wild chervil
wild clove
wild corn
wild date
wild deer
wild dog
wild duck
wild fig
wild flax
wild flower
wild for
wild fowl
wild geranium
wild ginger
wild goat
wild goose
wild goose chase
wild growth
wild guess
wild hollyhock
wild honeysuckle
wild horse
wild hyacinth
wild hyacn
wild hydrangea
wild imagination
wild indigo
wild ipecac
wild land
wild lettuce
wild lily-of-the-valley
wild madder
wild man
wild marjoram
wild mulberry
wild mustard
wild oat
wild oats
wild oleander
wild oleaster
wild olive
wild orange
wild ox
wild pansy
wild parsley
wild parsnip
wild passion flower
wild pennyroyal
wild pink
wild pitch
wild potato
wild pumpkin
wild radish
wild rice
wild rose
wild rosemary
wild rubber
wild rye
wild sage
wild sarsaparilla
wild senna
wild service tree
wild sheep
wild shot
wild silk
wild spikenard
wild sunflower
wild sweet pea
wild sweet potato
wild sweet william
wild thyme
wild to
wild track
wild type
wild vanilla
wild west
wild wormwood
wild-acting
wild-aimed
wild-and-woolly
wild-ass
wild-billowing
wild-blooded
wild-booming
wild-born
wild-brained
wild-bred
wild-chosen
wild-eyed
wild-fire
wild-flying
wild-fought
wild-fowl
wild-fowler
wild-fowling
wild-goose
wild-goose chase
wild-goose plum
wild-grown
wild-haired
wild-headed
wild-headedness
wild-looking
wild-made
wild-notioned
wild-oat
wild-oat kicker
wild-phrased
wild-spirited
wild-staring
wild-warbling
wild-warring
wild-williams
wild-winged
wild-witted
wild-woven
wildcat bank
wildcat strike
wildcat well
wilderness area
wilderness preserve
wildest dream
wildest dreams
wildlife conservation
wildlife preserve
wile away
will and bequeath
will and pleasure
will and will not
will contest
will for power
will of Heaven
will of iron
will of your own
will power
will to
will to believe
will to power
will turn
will wonders never cease
will you
will-call
will-commanding
will-fraught
will-less
will-lessly
will-lessness
will-o'-the-wisp
will-o'-the-wisp
will-strong
will-willet
will-with-the-wisp
will-worship
will-worshiper
willful disobedience
willful misconception
william tell
willie gow
willie hawkie
willie wagtail
willie wicket
willie-waucht
willie-waught
willing ear
willing heart
willing humor
willing mind
willing or unwilling
willingness to believe
willo'-the-wispish
willo'-the-wispy
willow acacia
willow amsonia
willow apple
willow beauty
willow beetle
willow borer
willow buffer
willow cactus
willow cat
willow catfish
willow chafer
willow charcoal
willow cottonwood
willow family
willow fly
willow gall
willow goldfinch
willow green
willow grouse
willow herb
willow lark
willow leaf
willow leaf beetle
willow louse
willow moth
willow myrtle
willow oak
willow pattern
willow peeler
willow poplar
willow ptarmigan
willow sawfly
willow shoot
willow slug
willow slug caterpillar
willow sparrow
willow thorn
willow thrush
willow tit
willow tree
willow wand
willow warbler
willow wren
willow-bordered
willow-colored
willow-cone
willow-cone gall
willow-fringed
willow-grown
willow-herb
willow-leaved
willow-leaved jasmine
willow-shaded
willow-skirted
willow-tree money
willow-tufted
willow-veiled
willow-wielder
willow-wood
willow-wort
willy wagtail
willy-mufty
willy-nilly
willy-waa
willy-wagtail
willy-waw
willy-wicket
willy-willies
willy-willy
wilt disease
wilting coefficient
wilting percentage
wilting point
wily device
win away
win back
win by a fluke
win by a neck
win easily
win freedom
win friends
win friends and influence people
win going away
win hands down
win in a canter
win in a walk
win in a waltz
win out
win over
win the affections of
win the battle
win the bays
win the day
win the laurels
win the love of
win the palm
win the prize
win the regard of
win the start
win through
win your heart
win your spurs
wince pit
wince pot
winch driver
wincing machine
wind and weather permitting
wind around your little finger
wind arrow
wind band
wind beam
wind belt
wind blast
wind box
wind brace
wind burn
wind catcher
wind chest
wind cloud
wind colic
wind component table
wind cone
wind contusion
wind cripple
wind cutter
wind direction
wind down
wind drift
wind dropsy
wind eddy
wind egg
wind engine
wind erosion
wind flapper
wind force
wind furnace
wind gap
wind gauge
wind god
wind gods
wind guard
wind gun
wind gust
wind harp
wind hawk
wind herb
wind house
wind in
wind in and out
wind indicator
wind instrument
wind load
wind machine
wind mantle
wind marker
wind motor
wind music
wind musician
wind part
wind plant
wind poppy
wind porch
wind power
wind propulsion
wind pump
wind resistance
wind ripple
wind rose
wind sail
wind scale
wind scoop
wind scorpion
wind shaft
wind shake
wind sheet
wind shelf
wind side
wind signal
wind slash
wind sleeve
wind sock
wind sound
wind sprint
wind stack
wind stacker
wind star
wind stop
wind sucking
wind supply
wind tee
wind the horn
wind throw
wind thrush
wind tie
wind trunk
wind tunnel
wind up
wind valley
wind vane
wind wheel
wind zone
wind-bag
wind-balanced
wind-balancing
wind-beaten
wind-bell
wind-bells
wind-blazing
wind-blown
wind-borne
wind-bound
wind-broken
wind-built
wind-changing
wind-chapped
wind-clipped
wind-cutter
wind-delayed
wind-dispersed
wind-dried
wind-driven
wind-egg
wind-equator
wind-exposed
wind-fanned
wind-fast
wind-fertilization
wind-fertilized
wind-flower
wind-flowing
wind-footed
wind-force
wind-gall
wind-god
wind-grass
wind-guage
wind-gun
wind-hungry
wind-instrument
wind-instrumental
wind-instrumentalist
wind-laid
wind-lashed
wind-making
wind-nodding
wind-obeying
wind-outspeeding
wind-parted
wind-pollinated
wind-pollination
wind-propelled
wind-puff
wind-puffed
wind-raising
wind-rent
wind-rode
wind-scattered
wind-screen
wind-shake
wind-shaken
wind-shift
wind-shift line
wind-speed indicator
wind-struck
wind-stuffed
wind-sucking
wind-swept
wind-swift
wind-swung
wind-taut
wind-toned
wind-up
wind-wandering
wind-waved
wind-waving
wind-whipped
wind-wing
wind-winged
wind-worn
windblown bob
winder rod
winder-on
windfall money
windfall profit
windflower gentian
winding engine
winding frame
winding number
winding pendant
winding sheet
winding staircase
winding stick
winding strip
winding tackle
winding-sheet
windlass bitt
windmill grass
windmill orchid
windmill palm
windmill pink
windmill plane
windmill plant
windmill tower
windmill-like
window back
window bar
window bay
window board
window bole
window box
window card
window case
window catch
window cleaner
window curtain
window decoration
window decorator
window display
window dresser
window dressing
window envelope
window fixture
window fly
window frame
window furniture
window gardening
window glass
window head
window lead
window martin
window mirror
window oyster
window rocket
window sash
windy-clear
windy-footed
windy-headed
windy-looking
windy-mouthed
windy-voiced
windy-worded
wine acid
wine and dine
wine apple
wine bag
wine bar
wine biscuit
wine black
wine bush
wine butt
wine card
wine cask
wine cellar
wine cooler
wine cooper
wine ferment
wine flask
wine fly
wine fountain
wine gallon
wine garden
wine grape
wine lees
wine maker
wine making
wine measure
wine merchant
wine palm
wine party
wine plant
wine press
wine presser
wine purple
wine red
wine seller
wine shop
wine steward
wine stone
wine table
wine taster
wine tester
wine thrush
wine tun
wine vault
wine vinegar
wine whey
wine yeast
wine yellow
wine-bright
wine-cask borer
wine-colored
wine-cooler
wine-crowned
wine-cup
wine-dark
wine-draped
wine-drinking
wine-driven
wine-drunken
wine-hardy
wine-heated
wine-house
wine-inspired
wine-laden
wine-merry
wine-press
wine-producing
wine-red
wine-selling
wine-shaken
wine-soaked
wine-stained
wine-stuffed
wine-swilling
wine-tinged
wine-wise
wine-yielding
wing and wing
wing axis
wing back formation
wing band
wing bar
wing bay
wing bearing
wing bit
wing bolt
wing bone
wing bow
wing car
wing case
wing cell
wing chair
wing clipper
wing clipping
wing collar
wing commander
wing compass
wing cover
wing covert
wing coverts
wing dam
wing deck
wing divider
wing dividers
wing drag
wing elm
wing feather
wing flap
wing flat
wing formation
wing game
wing gap
wing gudgeon
wing it
wing jam
wing load
wing loading
wing net
wing nut
wing out ballast
wing over
wing pad
wing passage
wing petal
wing plow
wing power
wing quill
wing radiator
wing rail
wing resistance
wing rib
wing root air intake
wing roots
wing sac
wing screw
wing sheath
wing shell
wing shooting
wing shot
ing skirt
wing snail
wing stopper
wing tie
wing tip
wing top
wing tract
wing transom
wing truss
wing valve
wing wale
wing wall
wing your way
wing-borne
wing-broken
wing-case
wing-clipped
wing-ding
wing-footed
wing-hoofed
wing-leafed
wing-leaved
wing-limed
wing-loose
wing-maimed
wing-margined
wing-shaped
wing-slot
wing-swift
wing-tip
wing-tip flare
wing-tip float
wing-tipped
wing-wearily
wing-weariness
wing-weary
wing-wide
wingback formation
winged chair
winged elm
winged rocket
winged spindle tree
winged-footed
winged-heeled
winged-leaved
wink at
wink of sleep
winker braces
winking cartilage
winking muscle
winkle out
winkle-pickers
winner's circle
winning gallery
winning hazard
winning opening
winning post
winning streak
winning ways
winnow cloth
winnow out
winnow sheet
winnow the chaff from the wheat
winnow-corb
winnowed out
winnowing basket
winnowing fan
winnowing machine
winter aconite
winter annual
winter apple
winter barley
winter beer
winter blight
winter bonnet
winter brake
winter bud
winter bunting
winter cherry
winter clover
winter count
winter cress
winter crookneck
winter crop
winter daffodil
winter day
winter duck
winter egg
winter fallow
winter fat
winter fever
winter flounder
winter flower
winter garden
winter geranium
winter gillyflower
winter golf
winter grape
winter green
winter gull
winter hail
winter hawk
winter heath
winter hedge
winter heliotrope
winter hellebore
winter house
winter huckleberry
winter itch
winter jasmine
winter leaf
winter lettuce
winter melon
winter mew
winter midge
winter moth
winter oats
winter of your days
winter oil
winter pear
winter pink
winter plum
winter purslane
winter quarters
winter radish
winter rocket
winter rose
winter rye
winter savory
winter shad
winter sheldrake
winter skate
winter sleep
winter snipe
winter sol
winter solstice
winter spice
winter spore
winter sports
winter squash
winter strawberry
winter sucker
winter sunscald
winter sweet
winter teal
winter tire
winter vetch
winter wagtail
winter wheat
winter wind
winter wolfsbane
winter wren
winter yellowlegs
winter's bark
winter-beaten
winter-blasted
winter-blooming
winter-boding
winter-bound
winter-chilled
winter-clad
winter-damaged
winter-fattened
winter-fed
winter-felled
winter-flowering
winter-gladdening
winter-gray
winter-ground
winter-grown
winter-habited
winter-hardened
winter-hardy
winter-house
winter-kill
winter-long
winter-love
winter-loving
winter-made
winter-old
winter-proof
winter-proud
winter-pruned
winter-quarter
winter-reared
winter-rig
winter-ripening
winter-seeming
winter-shaken
winter-sown
winter-standing
winter-starved
winter-swollen
winter-thin
winter-verging
winter-visaged
winter-wasted
winter-withered
winter-worn
wintergreen barberry
wintergreen family
wintergreen oil
wintry weather
wintry wind
wipe away the tears
wipe away your tears
wipe break
wipe breaker
wipe joint
wipe off
wipe off old scores
wipe off the map
wipe out
wipe the floor with
wipe the slate clean
wipe the smile off your face
wipe up
wipe up the floor with
wipe-off
wiped away
wiped out
wiper shaft
wiper wheel
wiping contact
wiping out
wiping rod
wiping up
wire agency
wire basket
wire bender
wire bent
wire birch
wire bridge
wire brush
wire cartridge
wire chief
wire chisel
wire cloth
wire coat
wire communication
wire coverer
wire cutter
wire cutting
wire drawer
wire drawing
wire edge
wire entanglement
wire former
wire galvanizer
wire gauge
wire gauze
wire glass
wire grama
wire grass
wire grating
wire grub
wire gun
wire house
wire lath
wire line
wire ling
wire loop binding
wire mark
wire micrometer
wire money
wire nail
wire netting
wire nut
wire pack
wire plant
wire press
wire radio
wire recorder
wire recording
wire reducer
wire road
wire rod
wire roller
wire room
wire rope
wire ropeway
wire rush
wire saw
wire sculpture
wire service
wire sewer
wire side
wire silver
wire spooler
wire stem
wire stitch
wire stitcher
wire stitching
wire straightener
wire strander
wire tapper
wire tapping
wire tester
wire tightener
wire tinner
wire vine
wire walker
wire wave communication
wire weaver
wire welder
wire wheel
wire winder
wire wool
wire-bending
wire-blocking
wire-borne
wire-bound
wire-brushing
wire-caged
wire-cloth
wire-coiling
wire-crimping
wire-cut
wire-draw
wire-drawer
wire-drawn
wire-edged
wire-feed
wire-feeding
wire-flattening
wire-galvanizing
wire-gauge
wire-grass
wire-guarded
wire-haired
wire-haired pointing griffon
wire-haired terrier
wire-hung
wire-insulating
wire-measuring
wire-mended
wire-netted
wire-pointing
wire-pull
wire-puller
wire-pulling
wire-record
wire-rolling
wire-safed
wire-sewed
wire-sewn
wire-shafted
wire-spun
wire-stitched
wire-straightening
wire-stranding
wire-stretching
wire-stringed
wire-strung
wire-tailed
wire-testing
wire-tightening
wire-tinning
wire-toothed
wire-wheeled
wire-winding
wire-worker
wire-wound
wire-wound resistor
wire-wove
wire-woven
wired glass
wired radio
wired television
wired wireless
wirehaired pointing griffon
wirehaired terrier
wireless apparatus
wireless beacon
wireless circuit
wireless communication
wireless compass
wireless operator
wireless set
wireless telegraph
wireless telegrapher
wireless telegraphist
wireless telegraphy
wireless telephone
wireless telephony
wirewound resistor
wiring die
wiring machine
wiring press
wiring punch
wiry-brown
wiry-coated
wiry-haired
wiry-leaved
wiry-looking
wiry-stemmed
wiry-voiced
wisdom literature
wisdom tooth
wisdom-bred
wisdom-given
wisdom-giving
wisdom-led
wisdom-loving
wisdom-seasoned
wisdom-seeking
wisdom-teaching
wisdom-working
wise as Solomon
wise as a serpent
wise as an owl
wise beyond your years
wise crack
wise expression
wise fool
wise guy
wise in the ways of the world
wise in your generation
wise in your own conceit
wise man
wise man of Chelm
wise man of Gotham
wise old man
wise passiveness
wise saying
wise to
wise up
wise up to
wise-ass
wise-bold
wise-framed
wise-hardy
wise-headed
wise-heart
wise-judging
wise-lipped
wise-reflecting
wise-said
wise-spoken
wise-valiant
wise-worded
wiser head
wish for
wish fulfillment
wish fulfilment
wish on
wish to
wish to goodness
wish upon
wish very much
wish well
wish you joy
wish you luck
wish-bringer
wish-fulfilling
wish-fulfillment
wish-fulfillment fantasy
wish-giver
wish-maiden
wish-wash
wish-washy
wishbone bush
wishbone gaff
wishbone rig
wished-for
wishful belief
wishful thinker
wishful thinking
wishing bone
wishing cap
wishing stone
wishing well
wishy-washily
wishy-washiness
wishy-washy
wisp of smoke
wisteria blue
wisteria violet
wistful eye
wistful-eyed
wit tooth
wit's end
wit-abused
wit-assailing
wit-beaten
wit-cherishing
wit-crack
wit-cracker
wit-drawn
wit-founndered
wit-fraught
wit-gracing
wit-infusing
wit-loving
wit-masked
wit-offended
wit-oppressing
wit-pointed
wit-salted
wit-snapper
wit-starved
wit-stung
wit-worn
witch alder
witch baiter
witch baiting
witch ball
witch bird
witch broom
witch burner
witch burning
witch butter
witch cake
witch chick
witch doctor
witch doctoring
witch doctory
witch doctress
witch fire
witch flounder
witch for water
witch gowan
witch grass
witch hazel
witch hobble
witch hopple
witch hunt
witch hunter
witch knot
witch light
witch lock
witch mania
witch mark
witch master
witch meal
witch moth
witch of Agnesi
witch of Endor
witch sabbath
witch stick
witch stitch
witch tree
witch's mark
witch-charmed
witch-doctor
witch-elm
witch-finder
witch-finding
witch-hazel family
witch-held
witch-hunt
witch-hunter
witch-hunting
witch-ridden
witch-stricken
witch-struck
witch-woman
witches' Sabbath
witches' chorus
witches' coven
witches' meeting
witches' sabbath
witches'-besom
witches'-broom
witchetty grub
witching hour
witching hour of the night
witching stick
with a bad grace
with a bellyful
with a bump for
with a catch to it
with a cheerful heart
with a clear conscience
with a collar on
with a difference
with a firm hand
with a flair
with a free hand
with a good grace
with a grain of salt
with a guilty conscience
with a handful of thumbs
with a head on
with a heavy hand
with a heavy heart
with a high hand
with a joker to it
with a kick
with a kicker to it
with a liking for
with a long face
with a loud voice
with a memory like a sieve
with a mind like a sieve
with a new to
with a nose for
with a poker face
with a reservation
with a right to
with a rush
with a skinful
with a sneer
with a snootful
with a sparing hand
with a stiff neck
with a straight face
with a string to it
with a strong hand
with a tight hand
with a touch of genius
with a vengeance
with a view to
with a weather eye open
with a whole skin
with a whoop and a hurrah
with a will
with a yellow streak
with abandon
with advantage
with affection
with agonizing slowness
with alacrity
with all due respect for
with all due respect to
with all haste
with all my heart
with all respect
with all speed
with all your heart
with all your love
with all your might
with an ear for
with an ear for music
with an exception
with an eye for
with an eye to
with an ill grace
with an interval
with an iron hand
with an unsparing hand
with arms akimbo
with attention
with authority
with bad grace
with bad intent
with bated breath
with bats in the belfry
with beat of drum
with beating heart
with bedroom eyes
with bells on
with both eyes closed
with both feet on the ground
with both hands
with breathless expectation
with brimming eyes
with care
with caution
with chattering teeth
with child
with clarity
with clean hands
with constancy
with consummate skill
with contempt
with crossed bayonets
with crow's feet
with crystal clarity
with curling lip
with deliberation
with difficulty
with dignity
with dispatch
with distinction
with downcast eyes
with dragging feet
with dry eyes
with due deference
with due respect
with ears pricked up
with ears strained
with ease
with effort
with elan
with emphasis
with enough of
with enthusiasm
with everything against one
with everything against you
with everything that is in one
with everything that is in you
with exactitude
with eyes strained
with eyes suffused
with faith
with faltering steps
with fear and trembling
with feeling
with finesse
with flourish of trumpet
with flying colors
with folded hands
with foresight
with forethought
with full intent
with gaping mouth
with genius
with giant strides
with glistening eyes
with good cheer
with good faith
with good grace
with good right
with good will
with great care
with great haste
with great nicety
with gusto
with half a mind to
with halting steps
with haste
with head erect
with head held high
with heart beating high
with heart going pitapat
with heart going pitter-patter
with heart in mouth
with honor
with impunity
with indifference
with intent
with intent to deceive
with interest
with intervals
with it
with joined hands
with leaping heart
with life and spirit
with love
with low resistance
with malice aforethought
with malice prepense
with many a flirt and flutter
with many others
with might and main
with much ado
with muscles tense
with news value
with no heart
with no nonsense
with no stomach
with no time to spare
with nose in air
with nose turned up
with nothing inside
with nothing on
with one accord
with one another
with one consent
with one foot in the grave
with one voice
with one wild yell
with open arms
with open eyes
with open hands
with over-measure
with overflowing eyes
with pep
with permission
with pleasure
with precision
with premeditation
with pride
with purpose
with qualifications
with rapid strides
with rapt attention
with reason
with reference to
with regard to
with relation to
with relish
with reservations
with resignation
with respect to
with right good will
with safety
with sails spread
with satisfaction
with set jaw
with skill
with some allowance
with speed
with steerageway
with sullen mouth
with swimming eyes
with taste
with tearful eyes
with tears in eyes
with tears in your eyes
with telling effect
with that
with the Lord
with the addition of
with the assistance of
with the beat
with the best
with the exception of
with the exception that
with the help of
with the intent that
with the lark
with the saints
with the speed of light
with the stipulation
with the strong arm
with the sun
with the understanding
with the view of
with the wind
with the wind abaft the beam
with the wind aft
with this
with this proviso
with time to spare
with tongue in cheek
with total dedication
with truth
with undivided attention
with us
with utter indifference
with verve
with vim
with voice
with voice and vote
with vote
with watery eyes
with way on
with wind abeam
with young
with your back to the wall
with your eyes open
with your eyes peeled
with your family
with your fill of
with your head in the clouds
with your own petard
with your permission
with your tail between your legs
with your tongue in your cheek
with zest
with zip
with-
with-drawn
with-it
withdraw from
withdraw from the field
withdraw the charge
withdraw your support
withdrawal of attention
withdrawal sickness
withdrawal symptom
withdrawal symptoms
withdrawning room
withe rod
wither away
wither-wrung
withered loins
withhold assent
withholding tax
within a stone's throw
within a styour throw
within a whoop and a holler
within an ace of
within an inch
within an inch of
within bounds
within call
within compass
within earreach
within earshot
within hail
within hearing
within means
within range
within range of
within reach
within reason
within reasonable limitations
within sight
within the bounds of possibility
within the bounds of reason
within the domain of possibility
within the frame of reference
within the framework
within the law
within the limits of reason
within the range of possibility
within the realm of possibility
within the reference system
within the scope of the law
within the universe of discourse
within these four walls
within two whooops and a holler
within your grasp
within-bound
within-door
within-named
without a break
without a change of menu
without a change of pace
without a change of scenery
without a clue
without a dissenting voice
without a minute to spare
without a name
without a nerve in your body
without a shadow of turning
without a sou
without a stitch
without a stitch on
without a stitch to one's name
without a stitch to your back
without a stitch to your name
without a tremor
without a will of your own
without any qualms
without any scruples
without any weight
without appeal
without basis
without being
without benefit of clergy
without body
without book
without bottom
without bound
without break
without care
without cease
without ceasing
without ceremony
without charge
without choice
without coercion
without compulsion
without compunction
without connection
without content
without contradiction
without date
without delay
without demur
without design
without difference
without difficulty
without distinction
without distraction
without door
without doors
without doubt
without end
without equal
without equivocation
without exception
without fail
without faith
without fear of contradiction
without fear or favor
without foundation
without further delay
without grounds
without hesitation
without hope
without intermission
without intimidation
without issue
without letup
without life
without limit
without looking back
without measure
without mercy
without nerves
without notice
without number
without omission
without parallel
without prejudice
without premeditation
without pressure
without price
without reason
without reference
without regard
without regard to
without regard to persons
without regret
without reluctance
without remorse
without reproach
without reserve
without respect to
without respect to persons
without restraint
without rhyme or reason
without shame
without sound basis
without stint
without stopping
without striking a blow
without strings
without success
without suspicion
without term
without the least delay
without the least doubt
without turning a hair
without unspotted
without vital functions
without warning
without wasting words
without willing
withy-bound
withy-woody
witloof chicory
witness box
witness corner
witness mark
witness stand
witness-box
witney nap
witty reply
witty retort
witty-brained
witty-conceited
witty-feigned
witty-pated
witty-pretty
witty-worded
wizard-woven
wizen-faced
wizen-hearted
woad vat
woad-leaved
woad-painted
wobble board
wobble pump
wobble saw
wobbling disk
woe is me
woe-begetting
woe-begone
woe-beseen
woe-bested
woe-betrothed
woe-boding
woe-dejected
woe-delighted
woe-denouncing
woe-destined
woe-embroidered
woe-ensnared
woe-enwrapped
woe-exhausted
woe-foreboding
woe-fraught
woe-grim
woe-humbled
woe-illumined
woe-infirmed
woe-laden
woe-maddened
woe-revolving
woe-scorning
woe-sprung
woe-stricken
woe-struck
woe-surcharged
woe-threatened
woe-tied
woe-wearied
woe-weary
woe-wedded
woe-whelmed
woe-wrinkled
woeful-wan
wold mouse
wolf at the door
wolf call
wolf cub
wolf cub
wolf dog
wolf down
wolf eel
wolf fish
wolf fruit
wolf grape
wolf herring
wolf in sheep’s clothing
wolf in the stomach
wolf madness
wolf moth
wolf note
wolf pack
wolf snake
wolf spider
wolf tooth
wolf tree
wolf willow
wolf's-bane
wolf's-head
wolf-begotten
wolf-boy
wolf-child
wolf-children
wolf-colored
wolf-dog
wolf-eel
wolf-eyed
wolf-gray
wolf-haunted
wolf-headed
wolf-hound
wolf-hunting
wolf-man
wolf-moved
wolf-scaring
wolf-shaped
wolf-slaying
wolf-suckled
wolfian body
wolfram lamp
wolfram ocher
wolfram steel
woman chaser
woman child
woman movement
woman of easy virtue
woman of her word
woman of honor
woman of the house
woman of the street
woman of the streets
woman of the town
woman of the world
woman suffrage
woman's editor
woman's intuition
woman's rights
woman-bearing
woman-born
woman-bred
woman-built
woman-child
woman-churching
woman-conquered
woman-daunted
woman-degrading
woman-despising
woman-easy
woman-faced
woman-fair
woman-fashion
woman-flogging
woman-governed
woman-grown
woman-hater
woman-hating
woman-headed
woman-loving
woman-mad
woman-made
woman-man
woman-murdering
woman-proud
woman-ridden
woman-servant
woman-shy
woman-suffrage
woman-suffragist
woman-tended
woman-vested
woman-wary
womb-enclosed
womb-lodged
womb-to-tomb security
women's clothing
women's hairdos
women's lib
women's libber
women's liberation
women's liberation activist
women's liberation adherent
women's liberation advocate
women's liberation movement
women's liberationist
women's magazine
women's rightist
women's rights
women's room
women's suffrage
womens' chorus
won ton
won ton soup
wonder about
wonder drug
wonder drugs
wonder whether
wonder-beaming
wonder-bearing
wonder-charmed
wonder-dumb
wonder-exiting
wonder-fed
wonder-hiding
wonder-loving
wonder-mocking
wonder-promising
wonder-raising
wonder-seeking
wonder-sharing
wonder-smit
wonder-smitten
wonder-stirring
wonder-stricken
wonder-striking
wonder-struck
wonder-teeming
wonder-waiting
wonder-work
wonder-worker
wonder-working
wonder-wounded
wonder-writing
wonderful thing
wonders of the world
wondrous strange
wonga-wonga
wont-believer
wont-learn
wont-wait
wont-work
wood acid
wood alcohol
wood almond
wood anemone
wood ant
wood apple
wood aster
wood avens
wood awl
wood baboon
wood barker
wood bass
wood bedstraw
wood bender
wood betony
wood bison
wood block
wood boiler
wood borer
wood broom
wood brown
wood buffalo
wood bundle
wood calamint
wood calker
wood carpet
wood carver
wood carving
wood cell
wood cement
wood checker
wood chess
wood chopper
wood clamp
wood cleaner
wood cleaver
wood cloth
wood coal
wood coker
wood collier
wood copper
wood corn
wood cudweed
wood culver
wood daffodil
wood distiller
wood dove
wood draftsman
wood drake
wood drawing
wood dresser
wood driller
wood duck
wood duster
wood dyer
wood enameler
wood engraver
wood engraving
wood evil
wood facer
wood fagoter
wood feller
wood fern
wood fiber
wood file
wood filler
wood finisher
wood flour
wood flower
wood fretter
wood fringe
wood frog
wood gas
wood gatherer
wood germander
wood grass
wood groundsel
wood grouse
wood grower
wood grubber
wood gum
wood hair grass
wood hen
wood hewer
wood honey
wood hoopoe
wood hyacinth
wood ibis
wood instrument
wood ipecac
wood keeper
wood kingfisher
wood laborer
wood lark
wood laurel
wood leopard
wood leopard moth
wood lily
wood loader
wood lock
wood lot
wood louse
wood machine
wood machinist
wood meadow grass
wood meal
wood measurer
wood milling machine
wood mite
wood model
wood molder
wood mouse
wood naphtha
wood nettle
wood nightshade
wood nut
wood nymph
wood offering
wood oil
wood oil tree
wood opal
wood owl
wood packing
wood painting
wood paper
wood parenchyma
wood partridge
wood pavior
wood pea
wood peat
wood pegger
wood pennycroyal
wood pewee
wood pie
wood pigeon
wood pimpernel
wood pitch
wood planer
wood plant
wood polisher
wood port
wood pulp
wood pussy
wood quail
wood quartet
wood quintet
wood rabbit
wood range
wood rat
wood ray
wood reed
wood reed grass
wood render
wood robin
wood rose
wood rosin
wood rot
wood rush
wood sage
wood sandpiper
wood saw
wood sawyer
wood scale
wood screw
wood sheldrake
wood shock
wood shrike
wood slave
wood snail
wood snipe
wood sorrel
wood spack
wood spear grass
wood spirit
wood splitter
wood spurge
wood stain
wood stainer
wood stamp
wood star
wood stork
wood stove
wood strawberry
wood sugar
wood swallow
wood tapper
wood tar
wood tenoner
wood terrapin
wood thrush
wood tick
wood tin
wood titmouse
wood tortoise
wood trimmer
wood turner
wood turning
wood turpentine
wood vetch
wood vetchling
wood vine
wood vinegar
wood violet
wood warbler
wood wasp
wood widgeon
wood willower
wood wind
wood wool
wood wren
wood-and-water joey
wood-apple gum
wood-block
wood-block printing
wood-boring
wood-born
wood-bred
wood-built
wood-carver
wood-cased
wood-crowned
wood-cutter
wood-dried
wood-dwelling
wood-eating
wood-embosomed
wood-embossing
wood-encumbered
wood-faced
wood-fibered
wood-fringed
wood-girt
wood-hen
wood-hewing
wood-hooped
wood-kern
wood-keyed
wood-lined
wood-louse
wood-mat
wood-nep
wood-note
wood-nymph
wood-oil-tree family
wooden-barred
wooden-bottom
wooden-faced
wooden-featured
wooden-headed
wooden-headedness
wooden-hooped
wooden-hulled
wooden-legged
wooden-lined
wooden-pinned
wooden-posted
wooden-seated
wooden-shoed
wooden-sided
wooden-soled
wooden-tined
wooden-walled
wooden-wheeled
woodgate rust
woodland brown
woodland caribou
woodland goldenrod
woodland primrose
woodland star
woodland sunflower
woods and fields
woods colt
woods cranberry
woods phlox
woods run
woodwind choir
woodwind instrument
woodwind quartet
woodwind section
woodworking chisel
woodworking lathe
woody nightshade
woody-stemmed
wooer-bab
wool breaker
wool burler
wool card
wool carder
wool carding
wool classer
wool classing
wool clip
wool comb
wool comber
wool combing
wool crepe
wool driver
wool extract
wool extractor
wool fast dye
wool fat
wool feeder
wool fell
wool fiber
wool former
wool grade
wool grader
wool grading
wool grass
wool grease
wool green
wool hall
wool hardener
wool mill
wool moth
wool needle
wool oil
wool oiler
wool packer
wool powder
wool sampler
wool scour
wool spinner
wool spinning
wool sponge
wool staple
wool stapler
wool stripper
wool table
wool thistle
wool tree
wool waste
wool wax
wool-backed
wool-bearing
wool-bundling
wool-burring
wool-cleaning
wool-clipper
wool-coming
wool-drying
wool-dyed
wool-eating
wool-flock
wool-fringed
wool-gather
wool-gathering
wool-growing
wool-hetchel
wool-laden
wool-lined
wool-oerburdened
wool-pack
wool-packing
wool-pated
wool-picking
wool-producing
wool-rearing
wool-sorter's disease
wool-staple
wool-stapling
wool-white
wool-witted
wool-woofed
wool-work
woolen draper
woolen drapery
woolen mill
woolen-clad
woolen-frocked
woolen-stockinged
woollen draper
woolly aphid
woolly bear
woolly beard grass
woolly foot
woolly mammoth
woolly manzanita
woolly worm
woolly-butted
woolly-coated
woolly-haired
woolly-haried
woolly-head
woolly-headed
woolly-headedness
woolly-leaved
woolly-looking
woolly-minded
woolly-mindedness
woolly-pated
woolly-podded
woolly-tailed
woolly-white
woolly-witted
woolsorter's disease
woolsorters' disease
wooly-headed
wootz steel
worcester china
worcester porcelain
worcestershire sauce
word accent
word arrangement
word association
word association test
word blindness
word boundary
word by word
word class
word contest
word deafness
word for word
word form
word game
word history
word hoard
word in the ear
word letter
word list
word lore
word method
word music
word musician
word of advice
word of command
word of explanation
word of honor
word of mouth
word order
word painter
word painting
word picture
word processing
word processor
word salad
word sign
word square
word stress
word study
word symbol
word time
word to the wise
word value
word-beat
word-blind
word-book
word-bound
word-breaking
word-catcher
word-catching
word-charged
word-clad
word-coiner
word-compelling
word-conjuring
word-deaf
word-dearthing
word-driven
word-for-word
word-for-word translation
word-formation
word-group
word-hoard
word-jobber
word-juggling
word-keeping
word-lore
word-of
word-of-mouth
word-of-mouth evidence
word-of-mouth success
word-paint
word-painting
word-perfect
word-pity
word-seller
word-selling
word-slinger
word-slinging
word-splitting
word-stock
word-wounded
words in their best order
words of wisdom
work a change
work a cure
work against
work against time
work as
work as a team
work at
work away
work back
work basket
work both sides of the street
work camp
work clothes
work cure
work curve
work day and night
work double hours
work double tides
work evil
work farm
work for
work for wages
work force
work function
work hard
work horse
work in
work into
work late
work lead
work like a Trojan
work like a cart horse
work like a coal heaver
work like a dog
work like a galley slave
work like a horse
work like a horse to
work like a machine
work like a slave
work load
work of Penelope
work of a master
work of a past master
work of an artist
work of art
work of fiction
work of reference
work off
work on
work out
work out a deal
work out beforehand
work over
work overtime
work release
work roller
work school
work sheet
work shift
work shoe
work shoes
work site
work socks
work song
work space
work spreading
work stock
work stone
work stoppage
work ticket
work to windward
work to your advantage
work to your will
work together
work toward
work train
work under pressure
work up
work up into a lather
work up into a passion
work up to
work upon
work week
work well
work wonders
work your fingers to the bone
work your head off
work your head to the bone
work your shift
work your way
work your way up
work yourself into a lather
work yourself into a stew
work yourself into a sweat
work yourself up
work-and-tumble
work-and-turn
work-and-twist
work-and-whirl
work-day
work-harden
work-hardened
work-hour
work-master
work-producing
work-seeking
work-shy
work-shyness
work-stained
work-stopper
work-study
work-study-play plan
work-study-play school
work-up
work-wan
work-weary
work-worn
worked out
worked up
worked up into a lather
worked-up
worker cell
worker comb
worker major
worker minor
worker of evil
worker of ill
worker-correspondent
worker-guard
worker-priest
workhouse sheeting
workhouse test
working asset
working beam
working capital
working card
working class
working day
working dog
working drawing
working face
working fit
working fluid
working force
working gauge
working girl
working hypothesis
working into a lather
working jib
working line
working load
working on
working order
working out a deal
working papers
working party
working pattern
working people
working person
working pit
working plan
working point
working principle
working proposition
working rail
working rod
working rule
working space
working stiff
working strength
working stress
working substance
working toward
working tube
working up
working week
working-capital fund
working-class
working-day
working-man
working-out
workings of the mind
workmen's compensation
workmen's compensation insurance
works committee
works council
works manager
works, the
world ash
world at large
world belt
world beyond the grave
world champion
world communion sunday
world concept
world day of prayer
world economy
world federalism
world federalist
world government
world ground
world island
world language
world line
world myth
world of fashion
world of finance
world of good
world of the dead
world point
world politics
world pound
world power
world premiere
world principle
world process
world series
world soul
world speech
world spirit
world state
world to come
world travel
world tree
world view
world war
world without end
world's oldest profession
world-abhorring
world-abiding
world-abstracted
world-accepted
world-acknowledged
world-adored
world-adorning
world-advancing
world-advertised
world-affecting
world-agitating
world-alarming
world-altering
world-amazing
world-amusing
world-animating
world-anticipated
world-applauded
world-appreciated
world-apprehended
world-approved
world-argued
world-arousing
world-arresting
world-assuring
world-astonishing
world-authorized
world-awed
world-barred
world-beater
world-beating
world-beheld
world-beloved
world-beset
world-borne
world-bound
world-braving
world-broken
world-bruised
world-building
world-burdened
world-busied
world-canvassed
world-captivating
world-celebrated
world-censured
world-challenging
world-changing
world-charming
world-cheering
world-choking
world-chosen
world-circling
world-circulated
world-civilizing
world-classifying
world-cleansing
world-comforting
world-commanding
world-commended
world-compassing
world-compelling
world-condemned
world-confounding
world-connecting
world-conquering
world-conscious
world-consciousness
world-constituted
world-consuming
world-contemning
world-contracting
world-contrasting
world-controlling
world-converting
world-copied
world-corrupted
world-corrupting
world-covering
world-creating
world-credited
world-crippling
world-crowding
world-crushed
world-deaf
world-debated
world-deceiving
world-deep
world-defying
world-delighting
world-delivering
world-demanded
world-denying
world-depleting
world-depressing
world-describing
world-deserting
world-desired
world-desolation
world-despising
world-destroying
world-detached
world-detesting
world-devouring
world-diminishing
world-directing
world-disappointing
world-discovering
world-discussed
world-disgracing
world-dissolving
world-distributed
world-disturbing
world-divided
world-dividing
world-dominating
world-dreaded
world-dwelling
world-echoed
world-educating
world-embracing
world- eminent
world-encircling
world-ending
world-enlarging
world-enlightening
world-entangled
world-enveloping
world-envied
world-esteemed
world-excelling
world-exciting
world-famed
world-familiar
world-famous
world-favored
world-fearing
world-felt
world-forgetting
world-forgotten
world-forming
world-forsaken
world-forsaking
world-fretted
world-girdling
world-gladdening
world-governing
world-grasping
world-great
world-grieving
world-hailed
world-hardened
world-hating
world-heating
world-helping
world-honored
world-horrifying
world-humiliating
world-imagining
world-improving
world-infected
world-informing
world-involving
world-jaded
world-jeweled
world-joining
world-kindling
world-knowing
world-known
world-lamented
world-lasting
world-leading
world-leveling
world-lighting
world-line
world-linking
world-long
world-loving
world-mad
world-made
world-marked
world-mastering
world-melting
world-menacing
world-missed
world-mocking
world-mourned
world-moving
world-naming
world-needed
world-neglected
world-nigh
world-noised
world-noted
world-obligating
world-observed
world-occupying
world-offending
world-old
world-opposing
world-oppressing
world-ordering
world-organizing
world-outraging
world-overcoming
world-overthrowing
world-owned
world-paralyzing
world-pardoned
world-patriotic
world-peopling
world-perfecting
world-pestering
world-picked
world-pitied
world-plaguing
world-pleasing
world-poisoned
world-pondered
world-populating
world-portioning
world-possessing
world-power
world-practiced
world-preserving
world-prevalent
world-prized
world-producing
world-prohibited
world-protected
world-raising
world-rare
world-read
world-recognized
world-record holder
world-redeeming
world-reflected
world-regulating
world-rejected
world-rejoicing
world-relieving
world-remembered
world-renewing
world-renowned
world-resented
world-respected
world-restoring
world-revealing
world-reviving
world-revolving
world-thrilling
world-tired
world-tolerated
world-tossing
world-traveler
world-troubling
world-turning
world-uniting
world-used
world-valid
world-valued
world-venerated
world-view
world-waited
world-wandering
world-wanted
world-wasting
world-watched
world-wearied
world-wearily
world-weariness
world-weary
world-welcome
world-wept
world-wide
world-wide
world-wide
world-wide
world-widely
world-wideness
world-winning
world-wise
world-without-end
world-witnessed
world-worn
world-wrecking
worldly minded
worldly wisdom
worldly-minded
worldly-mindedly
worldly-mindedness
worldly-wise
worlds apart
worlds of
worlds-high
worm abscess
worm along
worm aneurysm
worm bark
worm brood
worm burrow
worm capsule
worm cast
worm conveyer
worm disease
worm drive
worm fence
worm fever
worm gear
worm gearing
worm grass
worm gut
worm in
worm in the apple
worm in the rose
worm lizard
worm medicine
worm moss
worm oil
worm out
worm out of
worm powder
worm punch
worm shell
worm snake
worm tea
worm thread
worm tincture
worm tube
worm wheel
worm wire
worm your way
worm yourself in
worm yourself into
worm's eye view
worm-breeding
worm-cankered
worm-consumed
worm-destroying
worm-driven
worm-eat
worm-eaten
worm-eatenness
worm-eater
worm-eating
worm-gear elevator
worm-geread
worm-gnawed
worm-gnawn
worm-killing
worm-nest
worm-pierced
worm-resembling
worm-reserved
worm-riddled
worm-ripe
worm-shaped
worm-spun
worm-tongued
worm-wheel
worm-wheel hob thread
worm-worn
worm-wrought
wormseed mustard
wormseed oil
wormwood oil
wormwood sage
worn away
worn clothes
worn down
worn out
worn ragged
worn thin
worn to a frazzle
worn to a shadow
worn to rags
worn to the bone
worn to the bones
worn to the stump
worn to threads
worn-down
worn-out
worn-outness
worried sick
worried stiff
worried to a frazzle
worries and cares
worry along
worry beads
worry shoe
worry your head about
worry yourself
worry yourself sick
worry-carl
worse and worse
worse off
worse-affected
worse-applied
worse-bodied
worse-born
worse-bred
worse-calculated
worse-conditioned
worse-disposed
worse-dispositioned
worse-executed
worse-faring
worse-governed
worse-handled
worse-informed
worse-lighted
worse-mannered
worse-mated
worse-named
worse-natured
worse-opinionated
worse-ordered
worse-paid
worse-performed
worse-printed
worse-rated
worse-ruled
worse-satisfied
worse-served
worse-spent
worse-succeeding
worse-taught
worse-tempered
worse-thoughted
worse-timed
worse-treated
worse-typed
worse-utilized
worse-wanted
worse-wrought
worship great store by
worship idols
worship mammon
worship the golden calf
worship the ground you walk on
worship-paying
worst-affected
worst-bred
worst-cast
worst-damaged
worst-deserving
worst-disposed
worst-fashion
worst-formed
worst-governed
worst-informed
worst-managed
worst-manned
worst-paid
worst-printed
worst-ruled
worst-served
worst-taught
worst-timed
worst-tre
worst-used
worst-wanted
worsted-stocking knave
worth a great deal
worth a king's ransom
worth a pretty penny
worth having
worth its weight in gold
worth the money
worth your salt
worth your while
worth-while
worth-whileness
worthless as tits on a boar
worthless fellow
worthy of
worthy of faith
wot not of
wot of
wou-wou
would as leave
would as lief
would as lief as not
would be glad of
would fain do
would fain have
would rather not
would-be
would-be gentleman
would-have-been
wound chevron
wound cork
wound fever
wound fungus
wound gall
wound parasite
wound rocket
wound shock
wound string
wound to the quick
wound up
wound-dressing
wound-fevered
wound-free
wound-inflicting
wound-marked
wound-plowed
wound-producing
wound-scarred
wound-secreted
wound-up
wound-worn
wounded pride
wounds immedicable
wove paper
woven-wire
wow-wow
wowie zowie
wr-
wrack and ruin
wrack grass
wrack the nerves
wrack up
wracked with age
wrangle over
wrap about
wrap around
wrap up
wrap yourself in
wrap-
wrap-around
wrap-rascal
wrap-round
wrap-up
wrapped in
wrapped in clouds
wrapped in mystery
wrapped in thought
wrapped in wonder
wrapped up
wrapped up in
wrapped up in yourself
wrapping paper
wrapping-gown
wrath-allaying
wrath-bewildered
wrath-consuming
wrath-faced
wrath-kindled
wrath-kindling
wrath-provoking
wrath-swollen
wrath-wreaking
wrathful-eyed
wreak havoc
wreak havoc on
wreak your vengeance
wreath goldenrod
wreath shell
wreath-crowned
wreath-drifted
wreath-festooned
wreath-wrought
wreathe around
wreathed column
wreck buoy
wreck gun
wreck master
wreck of your former self
wreck-bestrewn
wreck-causing
wreck-devoted
wreck-free
wreck-raising
wreck-strewn
wreck-threatening
wrecking bar
wrecking car
wrecking crane
wrecking frog
wrecking pump
wren babbler
wren tit
wren warbler
wren-thrush
wren-tit
wrench fit
wrench forging
wrench from
wrench hammer
wrench head
wrest block
wrest from
wrest out
wrest pin
wrest plank
wresting out
wrestle with
wrestling hold
wrestling match
wrestling meet
wrestling ring
wrestling school
wretched lot
wretched of the earth
wretched-fated
wretched-looking
wretched-witched
wriggle out of
wriggle yourself into
wring from
wring out
wring the heart
wring your hands
wringer washer
wringing fit
wringing machine
wringing wet
wringing-wet
wrinkle-coated
wrinkle-faced
wrinkle-fronted
wrinkle-furrowed
wrinkle-making
wrinkle-scaled
wrinkled like a prune
wrinkled-browed
wrinkled-cheeked
wrinkled-leaved
wrinkled-old
wrinkled-shelled
wrinkled-visaged
wrist clonus
wrist drop
wrist joint
wrist pin
wrist plate
wrist shot
wrist watch
wrist-drop
writ of assistance
writ of certiorari
writ of election
writ of error
writ of execution
writ of extent
writ of habeas corpus
writ of privilege
writ of prohibition
writ of protection
writ of right
writ of summons
write a letter
write between the lines
write destination
write down
write home about
write in
write in prose
write into your will
write off
write out
write poetry
write prose
write to
write up
write up a report
write upon
write your own ticket
write yourself a man
write-down
write-in
write-in campaign
write-in vote
write-off
write-up
writer to the signet
writer's block
writer's cramp
writer's itch
writer's palsy
writer's spasm
writer-in-residence
writing board
writing brush
writing cabinet
writing case
writing desk
writing exercise
writing expert
writing fluid
writing frame
writing ink
writing lesson
writing machine
writing machines
writing master
writing material
writing materials
writing on the wall
writing pad
writing paper
writing reed
writing room
writing set
writing stamps
writing style
writing system
writing systems
writing table
writing tablet
writing telegraph
writing-table
writing paper
written character
written communication
written constitution
written down
written examination
written hand
written language
written law
written matter
written music
wrong conduct
wrong construction
wrong font
wrong foot
wrong fount
wrong impression
wrong linking
wrong move
wrong name
wrong number
wrong side
wrong side of your face
wrong side out
wrong step
wrong time
wrong use
wrong-directed
wrong-doer
wrong-ended
wrong-endedness
wrong-feigned
wrong-foot
wrong-gotten
wrong-grounded
wrong-headed
wrong-headedly
wrong-headedness
wrong-jawed
wrong-minded
wrong-mindedly
wrong-mindedness
wrong-ordered
wrong-principled
wrong-screwed
wrong-thinking
wrong-timed
wrong-voting
wrong-way
wrong-way around
wroth money
wroth penny
wroth silver
wrought iron
wrought iron casting
wrought out
wrought up
wrought up by
wrought-iron
wrought-up
wry face
wry mouth
wry-armed
wry-billed
wry-blown
wry-eyed
wry-faced
wry-formed
wry-guided
wry-legged
wry-looked
wry-mouthed
wry-necked
wry-neckedness
wry-nosed
wry-set
wry-tailed
wry-toothed
wu-su
wu-wei
wung-out
wych elm
wych-elm
wych-hazel
wye level
x chromosome
x height
x in
x number
x out
x ray
x rays
x-axis
x-disease
x-ed
x-height
x-high
x-ing
x-line
x-out
x-radiation
x-ray
x-ray astronomy
x-ray crystallography
x-ray photograph
x-ray photography
x-ray star
x-ray therapy
x-ray tube
x-shaped
x-stretcher
x-unit
xanth-
xanthd-
xanthene dye
xanthic acid
xantho-
xanthoproteic acid
xaverian brother
xen-
xenic acid
xeno-
xenon hexafluoride
xenon tetrafluoride
xer-
xero-
xeroderma pigmentosum
xi-particle
xiphi-
xiphoid process
xyl-
xylem parenchyma
xylem ray
xylene blue
xylic acid
xylite oil
xylo-
xylloglyphic artist
xylonic acid
y chromosome
y tile
y-
y-axes
y-axis
y-bake
y-blend
y-blennies
y-blenny
y-blent
y-cast
y-clept
y-end
y-painted
y-pointing
y-rapt
y-scalded
y-ssed
y-warn
ya-ta-ta
yaba bark
yacca gum
yacht berth
yacht builder
yacht chair
yacht club
yacht decorator
yacht designer
yacht engineer
yacht ensign
yacht gear
yacht propeller
yacht race
yacht racing
yacht rigging
yacht rope
yacht squadron
yacht-built
yachtsman's anchor
yackety-yack
yackety-yak
yackety-yakked
yackety-yakking
yak-yak
yakety-yak
yakety-yakked
yakety-yakking
yakity-yak
yakkety-yak
yam bean
yam family
yam potato
yam stick
yam tree
yam-root
yammer yawp
yang-kin
yankee-doodle
yap at
yapp binding
yard boy
yard cleaner
yard donkey
yard engineer
yard foreman
yard goods
yard grass
yard inspector
yard laborer
yard locomotive
yard lumber
yard of ale
yard porter
yard regulator
yard rope
yard rush
yard scavenger
yard signalman
yard slings
yard sweeper
yard tackle
yard trader
yard up
yard-arm
yard-broad
yard-deep
yard-long
yard-long bean
yard-measure
yard-of-ale
yard-square
yard-thick
yard-wand
yard-wide
yardarm to yardarm
yarding engine
yarn baller
yarn bleacher
yarn boiler
yarn buncher
yarn bundler
yarn carrier
yarn conditioner
yarn croft
yarn dresser
yarn dryer
yarn dyer
yarn finisher
yarn inspector
yarn packer
yarn printer
yarn reel
yarn reeler
yarn remover
yarn sizer
yarn sorter
yarn spinner
yarn spinning
yarn spreader
yarn stretcher
yarn stripper
yarn tester
yarn twister
yarn warper
yarn washer
yarn waste
yarn weigher
yarn winder
yarn-boiling
yarn-cleaning
yarn-dye
yarn-dyed
yarn-measuring
yarn-mercerizing
yarn-spinning
yarn-testing
yate tree
yaw off
yaw shrub
yaw-haw
yaw-sighted
yaw-ways
yaw-yaw
yawl boat
yawl-rigged
yawning abyss
yawning chasm
yawning depths
yay big
ye do
ye-makimono
yea sayer
yea vote
yea-and-nay
yea-and-nayish
yea-nay
yea-sayer
yea-saying
yeah-yeah
year after year
year count
year hour
year in
year in and year out
year in year out
year letter
year of grace
year out
year's mind
year-around
year-book
year-born
year-counted
year-daimon
year-demon
year-end
year-long
year-marked
year-old
year-round
yearly meeting
yearn for
yearning for the past
years ago
years of discretion
years old
years on end
yeas and nays
yeast bee
yeast cake
yeast cell
yeast fungus
yeast nucleic acid
yeast plant
yeast powder
yeast spot
yeast-bitten
yeddo hawthorn
yell at
yell bloody murder
yell out
yell to high heaven
yell yourself hoarse
yellow Chartreuse
yellow alert
yellow bell
yellow belly
yellow bile
yellow birch
yellow blindness
yellow book
yellow brass
yellow bush
yellow cake
yellow calla lily
yellow camomile
yellow carmine
yellow cedar
yellow complexion
yellow copper ore
yellow cypress
yellow daisy
yellow dog
yellow enzyme
yellow fever
yellow flag
yellow foxglove
yellow gentian
yellow goatfish
yellow gold
yellow granadilla
yellow grass
yellow grease
yellow honeysuckle
yellow jack
yellow jacket
yellow jasmine
yellow jaundice
yellow jessamine
yellow journal
yellow journalism
yellow journalist
yellow lady's-slipper
yellow lead ore
yellow light
yellow line
yellow locust
yellow loosestrife
yellow madder
yellow man
yellow mandarin
yellow medick
yellow melilot
yellow mercuric oxide
yellow metal
yellow mombin
yellow ocher
yellow pages
yellow perch
yellow peril
yellow perilla
yellow pikeperch
yellow pine
yellow pitcher pla
yellow pitcher plant
yellow-covered
yellow-crested
yellow-cross
yellow-cross liquid
yellow-crowned
yellow-crowned night heron
yellow-daisy
yellow-dog
yellow-dog contract
yellow-dotted
yellow-dun
yellow-dye
yellow-dye tree
yellow-dyed
yellow-eared
yellow-earth
yellow-eye
yellow-eyed
yellow-eyed grass
yellow-eyed-grass family
yellow-faced
yellow-feathered
yellow-fever
yellow-fever fly
yellow-fever mosquito
yellow-fin
yellow-fingered
yellow-finned
yellow-flagged
yellow-fleeced
yellow-fleshed
yellow-flowered
yellow-flowering
yellow-footed
yellow-fringed
yellow-fronted
yellow-fruited
yellow-funnel
yellow-girted
yellow-gloved
yellow-green
yellow-green alga
yellow-hair
yellow-hammer
yellow-handed
yellow-headed
yellow-headed blackbird
yellow-hilted
yellow-horned
yellow-hosed
yellow-jerkined
yellow-labeled
yellow-leaved
yellow-legged
yellow-legger
yellow-legginged
yellow-lettered
yellow-lit
yellow-locked
yellow-lustered
yellow-maned
yellow-marked
yellow-necked
yellow-nosed
yellow-olive
yellow-orange
yellow-painted
yellow-papered
yellow-pinioned
yellow-pyed
yellow-rayed
yellow-red
yellow-ringed
yellow-ringleted
yellow-ripe
yellow-robbed
yellow-rooted
yellow-rumped
yellow-sallow
yellow-seal
yellow-sealed
yellow-shafted
yellow-shafted flicker
yellow-shanked
yellow-shoudered
yellow-skinned
yellow-skirted
yellow-speckled
yellow-splotched
yellow-spotted
yellow-sprinkled
yellow-stained
yellow-starched
yellow-striped
yellow-tailed
yellow-throated
yellow-throated vireo
yellow-tinged
yellow-tinging
yellow-tinted
yellow-tipped
yellow-toed
yellow-tressed
yellow-tufted
yellow-vented
yellow-washed
yellow-white
yellow-winged
yellowfin tuna
yellowish-amber
yellowish-brown
yellowish-colored
yellowish-gold
yellowish-gray
yellowish-green
yellowish-green-yellow
yellowish-haired
yellowish-orange
yellowish-pink
yellowish-red
yellowish-red-yellow
yellowish-rose
yellowish-skinned
yellowish-tan
yellowish-white
yelly-hoo
yelly-hooing
yelp at
yen for
yeoman of the guard
yeoman service
yeoman’s service
yeomen of the guard
yerba buena
yerba mansa
yerba mate
yerba reuma
yerba sagrada
yerba santa
yerba-mate
yerk out
yes indeed
yes indeedy
yes ma'am
yes man
yes sir
yes sirree
yes-and-no answer
yes-man
yes-no
yes-noer
yes-noism
yeshiva bocher
yester-
yester-year
yesterday and today and forever
yet again
yew berry
yew family
yew green
yew pine
yew tree
yew-besprinkled
yew-crested
yew-hedged
yew-leaved
yew-roofed
yew-shaded
yew-treed
yi tsing ware
yield a profit
yield again to
yield an aroma
yield an odor
yield assent
yield hope
yield point
yield strength
yield stress
yield the floor
yield the ghost
yield the palm
yield the spirit
yield to
yield to despair
yield to maturity
yield value
yield your breath
yielding a return
yielding prop
yill-caup
ylang-ylang
yo-heave-ho
yo-ho
yo-ho-ho
yo-kyoku
yo-yo
yoga trance
yohimbe bark
yoke bone
yoke devil
yoke elm
yoke front
yoke method
yoke riveter
yoke with
yoke-footed
yoke-toed
yolk bag
yolk boil
yolk cord
yolk duct
yolk gland
yolk nucleus
yolk plate
yolk plug
yolk sac
yolk stalk
yolk yellow
yom kippur
yom tob
yom tobs
yom tov
yom tovs
yomin tovim
yoo-hoo
york rite
yorkshire pudding
yorkshire terrier
you and me
you are mistaken
you are right
you are wrong
you bet
you bet your boots
you bet your life
you better believe it
you can bank on it
you can bet on it
you can bet your bottom dollar
you can just bet
you can make book on it
you can say that again
you can't go wrong
you don't say
you have another guess coming
you name it
you said a mouthful
you said it
you should live so long
you speak truly
you too
you're all wet
you're darn tootin'
you're not kidding
you're telling me
you're way off
you've got it
you've got me
you've got something there
you-all
you-be-damned
you-be-damnedness
you-know-what
you-know-who
you-uns
young animal
young bird
young blood
young buck
young cat
young chicken
young cow
young creature
young deer
young devil
young dog
young duck
young frog
young fry
young fustic
young generation
young goat
young goose
young hopeful
young horse
young hyson
young insect
young lady
young man
young one
young people
young person
young pig
young sheep
young thing
young turk
young whippersnapper
young woman
young-bladed
young-chinned
young-conscienced
young-counseled
young-eyed
young-headed
young-ladydom
young-ladyfied
young-ladyhood
young-ladyish
young-ladyism
young-ladylike
young-ladyship
young-looking
young-manhood
young-manlike
young-manliness
young-manly
young-mannish
young-mannishness
young-manship
young-old
young-winged
young-womanhood
young-womanish
young-womanishness
young-womanlike
young-womanly
young-womanship
young-yeared
younger generation
youngest-born
your adieu
your all
your ancestors
your applecart
your best
your best effort
your best endeavor
your betters
your blind side
your blood
your crowd
your cup of tea
your days are numbered
your doom is sealed
your due
your fathers
your grain
your head off
your hour
your hour is come
your last hour
your level best
your native ground
your native heath
your native place
your number is up
your own choice
your own discretion
your own initiative
your own level
your own man
your own will
your race is run
your ribs
your say
your set
your turn
your utmost
your worth
yours truly
youth club
youth group
youth hood
youth hostel
youth hosteler
youth market
youth offender
youth-bold
youth-consuming
youthful offender
youthful spirits
ytterbium metal
ytterbium oxide
yttrium metal
yttrium oxide
yttro-
yuan dollar
yucca borer
yucca cactus
yucca fertilizer
yucca moth
yucca palm
yucca pollenizer
yuk-yuk
yukon time
yule block
yule clog
yule log
yum-yum
z iron
z term
z-axes
z-axis
zB
zZt
za-zen
zacate limon
zanona palm
zante fustic
zapota gum
zeal-blind
zeal-consuming
zeal-inflamed
zeal-inspiring
zeal-pretending
zeal-quenching
zeal-scoffing
zeal-transported
zeal-worthy
zebra antelope
zebra antelope
zebra bird
zebra caterpillar
zebra crossing
zebra finch
zebra fish
zebra grass
zebra opossum
zebra parakeet
zebra plant
zebra poison
zebra shark
zebra spider
zebra swallowtail
zebra wolf
zebra-back
zebra-plant
zebra-tailed
zebra-tailed lizard
zebrawood family
zebu cattle
zee bar
zeeman effect
zenaida dove
zend-avesta
zenith blue
zenith collimator
zenith distance
zenith point
zenith sector
zenith star
zenith telescope
zenith tube
zenith-pole
zenith-pole arc
zenith-star arc
zenithal projection
zephr worsted
zephyr cloth
zephyr flower
zephyr lily
zephyr shawl
zephyr shirting
zephyr worsted
zephyr yarn
zephyr-fanned
zephyr-haunted
zephyr-kissed
zero ablation grade
zero algebra
zero beat
zero day
zero element
zero fleck
zero grade
zero gravity
zero grazing
zero group
zero hour
zero in
zero in on
zero magnet
zero mark
zero matrix
zero method
zero oil
zero point
zero post
zero potential
zero set
zero stage
zero stem
zero thrust pitch
zero tone
zero torque pitch
zero vector
zero weather
zero-dimensional
zero-divisor
zero-lift
zero-lift angle
zero-point energy
zero-rated
zero-thrust pitch
zero-zero
zeroth law of thermodynamics
zeta function
zetetic philosophy
zig and zag
zigzag course
zigzag fence
zigzag path
zigzag rule
zigzag-fashion
zigzag-lined
zigzag-shaped
zila parishad
zimocca sponge
zinc alkyl
zinc amide
zinc blende
zinc bloom
zinc bromide
zinc carbonate
zinc chloride
zinc chromate
zinc chrome
zinc crust
zinc dust
zinc engraving
zinc etching
zinc ethide
zinc ethyl
zinc fixer
zinc flowers
zinc gray
zinc green
zinc methide
zinc methyl
zinc ointment
zinc orange
zinc oxide
zinc phosphide
zinc sender
zinc spar
zinc spinel
zinc standard cell
zinc stearate
zinc sulfate
zinc sulfide
zinc sulphate
zinc sulphide
zinc vitriol
zinc white
zinc yellow
zinc-coated
zinc-etched
zinc-lined
zinc-roofed
zinc-sampler
zinco-
zinco-polar
zip code
zip fastener
zip gun
zip through
zip up
zircon lamp
zircon light
zircon-syenite
zirconium dioxide
zirconium oxide
zo-
zodiacal constellation
zodiacal light
zona pellucida
zonae pellucidae
zonal soil
zone axis
zone catalogue
zone fire
zone line
zone melting
zone of communications
zone of fire
zone of interior
zone of no signal
zone phenomenon
zone plate
zone refining
zone system
zone tariff
zone time
zone-confounding
zone-marked
zone-tailed
zoning act
zoning commission
zoning law
zoning laws
zoning ordinance
zoned out
zono-
zoo-
zoo-ecologist
zoo-ecology
zoogenic infection
zoological garden
zoom binoculars
zoom in
zoom lens
zoom shot
zoot suit
zoot-suiter
zwitter ion
zyg-
zygo-
zygomatic arch
zygomatic bone
zygomatic process
zym-
zymo-

Found in path(s):

No license file was found, but licenses were detected in source scan.
aboil
aboiteau
aboiteaus
aboiteaux
abolish
abolished
abolishes
abolishing
abolition
abolitions
abolla
abollae
aboma
abomas
abomasa
abomasal
abomasi
abomasum
abomasus
abominable
abominate
abominated
abominates
abominating
abomination
abominations
aboon
aboral
aborally
aboriginal
aborigine
aborigines
aborning
abort
aborted
aborter
aborters
aborting
abortion
abortions
abortive
aborts
abos
abought
abouila
aboulias
aboulic
abound
abounded
abounding
abounds
about
above
aboveboard
aboves
abracadabra
abradant
abradants
abrade
abraded
abrader
abraders
abras
abrating
abrasion
abrasions
abrasive
abrasively
abrasiveness
abrasivenesses
abrasives
abreact
abreacted
abreacting
abreacts
 abreast
abri
abridge
abridged
abridgement
abridgements
abridger
abridgers
abridges
abridging
abridgment
abridgments
abris
abroach
abroad
abrogate
abrogated
abrogates
abrogating
abrupt
abrupter
accessibility
accessible
accessing
accession
accessions
accessories
accessory
accident
accidental
accidentally
accidentals
accidents
acidic
acidity
acids
acclamations
acclamations
acclimate
acclimated
acclimates
acclimatizing
acclimation
acclimatic
acclimatization
acclimatizations
acclimatize
acclimatizes
accolade
accolades
accommodate
accommodated
accommodates
accommodating
accommodation
accommodations
accompagnie
accompagne
accompaniment
accompaniments
accompanist
accompany
accompanying
accomplice
accomplices
accomplish
accomplished
accomplisher
accomplishers
accomplishes
accomplishing
accomplishment
accomplishments
accord
accordance
accordant
accorded
accorder
accorders
according
accordingly
accordion
accordions
accords
accost
accosted
accosting
accosts
account
accountabilities
accountability
accountable
accountancies
accountancy
accountant
accountants
accounted
accounting
accountings
accounts
accouter
accoutered
accoutering
accouters
accouitre
accoutred
accoutrement
accoutrements
accoutres
accoutring
accredit
accredited
accrediting
accredits
accrete
accreted
accretes
accreting
accrual
accruals
accrate
accred
accretes
accreting
accrual
accruals
accrete
accred
accretes
accreting
accrual
accruals
accumulate
accumulated
accumulates
accumulating
accumulation
accumulations
accumulator
accumulators
accuracies
accuracy
accurate
accurately
accurateness
accuratenesses
accursed
accurses
accusals
accusant
accusants
accusation
accusations
accuse
accused
accuser
accusers
accuses
accusing
accustom
accustomed
accustoming
accustoms
ace
aced
acedia
acedias
aceldama
aceldamas
acidosis
acidotic
acids
acyd
acierate
acierated
acierates
acierating
aciform
acinar
acing
acini
acinic
acinose
acinous
acinus
acknowledge
acknowledged
acknowledgement
acknowledgements
acknowledges
acknowledging
acknowledgment
acknowledgments
aclinical
acmatic
acme
acmes
acmic
acne
acned
acnes
acnode
acnodes
acock
acold
acolyte
acolytes
aconite
aconites
aconitic
aconitum
aconitums
acorn
acorns
acoustic
acoustical
acoustically
acoustics
acquaint
acquaintance
acquaintances
acquaintanceship
acquaintanceships
acquainted
acquainting
acquaints
acquest
acquests
acquiesce
acquiesced
acquiescence
acquiescences
acquiescent
acquiescently
acquiesces
acquiescing
acquire
acquired
acquirer
acquirers
acquires
acquiring
acquisition
acquisitions
acquisitive
acquit
acquits
acquitted
acquitting
acrasin
acrasins
acre
acreage
acreages
acred
acres
acrid
acrider
acriderest
acridine
acridines
acridities
acridity
acridly
actinism
actinisms
actinium
actiniums
actinoid
actinoids
actinon
actinons
actins
action
actions
activate
activated
activates
activating
activation
activations
active
actively
actives
activism
activisms
activist
activists
activities
activity
actor
actorish
actors
actress
actresses
acts
actual
actualities
actuality
actualization
actualizations
actualize
actualized
actualizes
actualizing
actually
actuarial
actuaries
actuary
actuate
actuated
actuates
actuating
actuator
actuators
acute
acuities
acuity
aculeate
acumen
acumens
acupuncture
acupunctures
acupuncturist
acupuncturists
acutance
acutances
acute
acute
acuteness
acutenesses
acuter
acutes
acute
acyclic
acyl
acylate
acylated
acylates
acylating
acyls
ad
adage
adages
adagial
adagio
adagios
adamance
adamances
adamancies
adamancies
adamancy
adamant
adamanties
adamantly
adamants
adamsite
adamsites
adapt
adaptabilities
adaptability
adherences
adherend
adherends
adherent
adherents
adherer
adherers
adheres
adhering
adhesion
adhesions
adhesive
adhesives
adhibit
adhibited
adhibiting
adhibits
adieu
adieus
adieux
adios
adipic
adipose
adiposes
adiposis
adipous
adit
adits
adjacent
adjectival
adjectivally
adjective
adjectives
adjoin
adjoined
adjoining
adjoins
adjoint
adjoints
adjourn
adjourned
adjourning
adjournment
adjournments
adjourns
adjudge
adjudged
adjudges
adolescences
adolescent
adolescents
adopt
adopted
adoptive
adopts
adorable
adorably
adoration
adorations
adore
adored
adorer
adorers
adore
adoring
adorn
adorned
adorer
adorners
adorning
adorns
ados
adown
adoze
adrenal
adrenals
adriamycin
adrift
adroitness
adroitness
adroiter
adoit
adroiter
adroitest
adroitly
adroitness
adroit
adroit
aeries
aeriest
aerified
aerifies
aeriform
aerify
aerifying
aerily
aero
aerobe
aerobes
aerobia
aerobic
aerobium
aeroduct
aeroducts
aerodynamic
aerodynamical
aerodynamically
aerodynamics
aerodyne
aerodynes
aerofoil
aerfoils
aerogel
aerogels
aerogram
aerograms
aerolite
aerolites
aerolith
aeroliths
aerologies
aerology
aeronaut
aeronautic
aeronautical
aeronautically
aeronautics
aeronauts
aeronomies
aeronomy
aerosol
aerosols
aerospace
aerostat
aerostats
aerugo
aerugos
aery
aesthete
aesthetes
aesthetic
aesthetically
aesthetics
aestival
aether
aetheric
aethers
afar
afars
afeard
afeared
aff
affabilities
affability
affable
affably
affair
affaire
affaires
affairs
affect
affectation
affectations
affected
affectedly
affecter
affecters
affecting
affectingly
affection
affectionate
affectionately
affections
affects
afferent
affiance
affianced
affiances
affiancing
affiant
affiants
affiche
affiches
affidavit
affidavits
affiliate
affiliated
affiliates
affiliating
affiliation
affiliations
affine
affined
affinely
affines
affinities
affinity
affirm
affirmation
affirmations
affirmative
affirmatively
affirmatives
affirmed
affirmer
affirmers
affirming
affirms
affix
affixal
affixed
affixer
affixers
affixes
affixial
affixing
afflatus
afflatuses
afflict
afflicted
afflicting
affliction
afflictions
afflicts
affluence
affluences
affluent
affluents
afflux
affluxes
afford
afforded
affording
affords
afforest
afforested
afforesting
afforest
affray
affrayed
affrayer
affrayers
affraying
affrays
affright
affrighted
affrighting
affrights
affront
affronted
affronting
affronts
affusion
affusions
afghan
afghani
afghanis
afghans
afield
afire
aflame
afloat
aflutter
afoot
afore
afoul
afraid
afreret
afrerets
afresh
afrit
afrits
aft
after
afterlife
afterlifes
aftermath
aftermaths
afternoon
afternoons
afters  
aftertax  
afterthought  
afterthoughts  
afterward  
afterwards  
aftmost  
aftosa  
aftosas  
aga  
again  
against  
agalloch  
agallochs  
agalwood  
agalwoods  
agama  
agamas  
agamete  
agametes  
agamic  
agamous  
agapae  
agapai  
agape  
agapeic  
agar  
agaric  
agarics  
agars  
agas  
agate  
agates  
agatize  
agatized  
agatizes  
agatizing  
agatoid  
agave  
agaves  
agaze  
age  
aged  
agedly  
agedness  
agednesses  
agee  
ageing
aggregate
aggregated
aggregates
aggregating
aggress
aggressed
aggresses
agressing
aggression
aggressions
aggressive
aggressively
aggressiveness
aggressivenesses
aggrieve
aggrieved
aggrieves
aggrieving
agha
aghast
agile
agilely
agilities
agility
agin
aging
agings
aginner
aginners
agio
agios
agiotage
agiotages
agist
agisted
agisting
agists
agitable
agitator
agitated
agitator
agitations
agitator
agitator
agitators
agiprop
agiprops
aglare
agleam
aglee
aglet
aglets
agley
aglimmer
aglitter
aglow
agly
aglycon
aglycone
aglycones
aglycons
agma
agmas
agminate
agnail
agnails
agnate
agnates
agnatic
agnation
agnations
agnize
agnized
agnizes
agnizing
agnomen
agnomens
agnomina
agnostic
agnostic
ago
agog
agon
agonal
agone
agones
agonic
agonic
agonise
agonised
agonises
agonising
agonist
agonists
agonize
agonized
agonizes
agonizing
agonizingly
agons
agony
agora
agorae
agoras
agorot
agoroth
agouti
agouties
agoutis
agouty
agrafe
agrafes
agraffe
agraffes
agrapha
agraphia
agraphias
agraphic
agrarian
agrarianism
agrarianisms
agarians
agree
agreeable
agreeableness
agreeablenesses
agreed
agreeing
agreement
agreements
agrees
agrestal
agrestrial
agricultural
agriculturalist
agriculturalists
agriculture
agricultures
agriculturist
agriculturists
agrimonies
agrimony
agrolologies
agrology
agronomies
agronomy
aground
ague
aguelike
agues
agueweed
agueweeds
aguish
aguishly
ah
aha
ahchoo
ahead
ahem
ahimsa
ahimsas
ahold
aholds
ahorse
ahoy
ahoys
ahull
ai
aiablins
aid
aide
aided
aider
aiders
aides
aidful
aiding
aidless
aidman
aidmen
aids
aiglet
aiglets
aigret
aigrets
aigrette
aigrettes
aiguille
aiguilles
aircraft
aircrew
aircrews
airdrome
airdromes
airdrop
airdropped
airdropping
airdrops
aired
airer
airest
airfield
airfields
airflow
airflows
airfoil
airfoils
airframe
airframes
airglow
airglows
airhead
airheads
airier
airiest
airily
airiness
airinesses
airing
airings
airless
airlift
airlifted
airlifting
airlifts
airlike
airline
airliner
airliners
airlines
airmail
airmailed
airmailing
airmails
airman
airmen
airn
airs
airpark
airparks
airplane
airplanes
airport
airports
airpost
airposts
airproof
airproofed
airproofing
airproofs
airs
airscrew
airscrews
airship
airships
airsick
airspace
airspaces
airspeed
airspeeds
airstrip
airstrips
airst
aired
airth
airedh
airthing
airths
airtight
airting
airts
airward
airwave
airwaves
airway
airways
airwise
airwoman
airwomen
airy
ais
aisle
aiusted
aisles
ait
alar
alarm
alarmed
alarming
alarmism
alarmisms
alarmist
alarmists
alarms
alarum
alarumed
alaruming
alarums
alary
alas
alaska
alaskas
alastor
alastors
alate
alated
alation
alations
alb
alba
albacore
albacores
albas
albata
albatas
albatross
albatrosses
albedo
albedos
albeit
albicore
albicores
albinal
albinic
albinism
albinisms
albino
albinos
albite
albites
albitic
albs
album
albumen
albumens
albumin
albumins
albumose
albumoses
albums
alburnum
alburnums
alcade
alcades
alcahest
alcahests
alcaic
alcaics
alcaide
alcaides
alcalde
alcaldes
alcayde
alcaydes
alcazar
alcazars
alchemic
alchemical
alchemies
alchemist
alchemists
alchemy
alchymies
alchymy
alcidine
alcohol
alcoholic
alcoholics
alcoholism
alcoholisms
alcohols
alcove
alcoved
alcoves
aldehyde
aldehydes
alder
alderman
aldermen
alders
aldol
alfaki
alfakis
alfalfa
alfalfas
alfaqui
alfaquin
alfaquins
alfaquis
alfas
alforja
alforjas
alfresco
alga
algae
algal
algaroba
algarobas
algas
algebra
algebraic
algebraically
algebras
algerine
algerines
algicide
algicides
algid
algidities
algidity
algin
alginate
alginates
algins
algoid
algologies
algology
algor
algorism
algorisms
algorithm
algorithms
algors
algum
algums
alias
aliases
alibi
alibied
alimentary
alimentation
alimented
alimenting
aliments
alimonies
alimony
aline
alined
aliner
aliners
alines
alining
aliped
alipeds
aliquant
aliquot
aliquots
alist
alit
aliunde
alive
aliyah
aliyahs
alizarin
alizarins
alkahest
alkahests
alkali
alkalic
alkalies
alkalified
alkalifies
alkalify
alkalifying
alkalin
alkaline
alkalinities
alkalinity
alkalis
alkalise
alkalised
alkalises
alkalising
alkalize
alkalized
alkalizes
alkalizing
alkaloid
alkaloids
alkane
alkanes
alkanet
alkanets
alkene
alkenes
alkine
alkines
alkoxy
alkyd
alkyds
alkyl
alkylate
alkylated
alkylates
alkylating
alkylic
alkyls
alkyne
alkynes
all
allanite
allanites
allay
allayed
allayer
allayers
allaying
allays
allegation
allegations
allege
alleged
allegedly
alлегer
alleggers
alleges
allegiance
allegiances
alleging
allegorical
allegories
allegory
allegro
allegros
allele
alleles
allel
allelism
allelisms
alleluia
alleluias
allergen
allergenic
allergens
allergic
allergies
allergin
allergins
allergist
allergists
allergy
allo
alloa
allochtonous
allochthony
allochthonous
allochthonies
allochthony
allochthonous
allochthonies
allocate
allocated
allocates
allocating
allocation
allocations
allele
allel
allelism
allelisms
alleluia
alleluias
allergen
allergenic
allergens
allergic
allergies
allergin
allergins
allergist
allergists
allergy
allo
alloa
allochtonous
allochthony
allochthonous
allochthonies
allochthony
allochthonous
allochthonies
allocate
allocated
allocates
allocating
allocation
allocations
allod
allodia
allodial
allodium
allds
allogamies
allogamy
allonge
allonges
allonym
allonyms
allopah
allopahs
allopurino
allot
allotment
allotments
allots
allotted
allottee
allotees
alloter
allotters
allotting
allotype
allotypes
allotypies
allotypy
allover
allovers
allow
allowable
allowance
allowances
allowed
allowing
allows
alloxan
alloxans
alloy
alloyed
alloying
alloys
alls
allseed
allseeds
allspice
allspices
allude
alluded
alludes
alluding
allure
allured
allurement
allurements
allurer
allurers
allures
alluring
allusion
allusions
allusive
allusively
allusiveness
allusivenesses
alluvia
alluvial
alluvials
alluvion
alluvions
alluvium
alluviums
ally
allying
allyl
allylic
allyls
alma
almagest
almagests
almah
almahs
almanac
almanacs
almas
alme
almeh
almehs
almemar
almemars
almes
almighty
almighty
almner
almners
almond
almonds
almoner
almoners
almonries
almony
almost
alms
almsman
almsmen
almuce
almuces
almud
almude
almudes
almuds
almug
almugs
alnico
alnicoes
alodia
alodial
alodium
aloe
aloes
aloetic
aloft
alogical
aloha
alohas
aloin
aloins
alone
along
alongside
alooft
aloof
aloofly
alopecia
alopecias
alopecic
aloud
alow
alp
alpaca
alpacas
alpha
alphabet
alphabeted
alphabetic
alphabetical
alphabetically
alphabeting
alphabetize
alphabetized
alphabetizer
alphabetizers
alphabetizes
alphabetizing
alphabets
alphanumeric
alphanumerics
alphas
alphorn
alphorns
alphosis
alphosises
alphyl
alphyls
alpine
alpinely
alpines
alpinism
alpinisms
alpinist
alpinists
alps
already
alright
alsike
alsikes
also
alt
altar
altars
alter
alterant
alterants
alteration
alterations
altercation
altercations
altered
alterer
alterers
altering
alternate
alternated
alumnae
alumni
alumnus
alumroot
alumroots
alums
alunite
alunites
alveolar
alveolars
alveoli
alveolus
alvine
alway
always
alyssum
alyssums
am
ama
amadavat
amadavats
amadou
amadous
amah
amahs
amain
amalgam
amalgamate
amalgamated
amalgamates
amalgamating
amalgamation
amalgamations
amalgams
amandine
amanita
amanitas
amanuensis
amaranth
amaranthas
amarelle
amarelles
amarna
amaryllis
amaryllises
amas
amass
amassed
ambulating
ambulation
ambulatory
ambush
ambushed
ambusher
ambushers
ambushes
ambushing
ameba
amebae
ameban
amebas
amebean
amebic
ameboid
ameer
ameerate
ameerates
ameers
amelcorn
amelcorns
ameliorate
ameliorated
ameliorates
ameliorating
amelioration
ameliorations
amen
amenable
amenably
amend
amended
amender
amenders
amending
amendment
amendments
amends
amenities
amenity
amens
ament
amentia
amentias
aments
amerce
amerced
aminity
amino
amins
amir
amirate
amirates
amirs
amis
amiss
amities
amitoses
amitosis
amitotic
amitrole
amitroles
amity
ammeter
ammeters
ammine
ammines
ammino
ammo
ammocete
ammocetes
amnonal
amnonals
ammonia
ammoniac
ammoniacs
ammonias
ammonic
ammonified
ammonifies
ammonify
ammonifying
ammonite
ammonites
ammonium
ammoniums
amnonoid
amnonoids
ammos
ammunition
ammunitions
amnesia
amnesic
amnesiac
amnesiacs
amnesias
amortization
amortizations
amortize
amortized
amortizes
amortizing
amotion
amotions
amount
amounted
amounting
amounts
amour
amours
amp
amperage
amperages
ampere
amperes
ampersand
ampersands
amphibia
amphibian
amphibians
amphibious
amphioxi
amphipod
amphipods
amphitheater
amphitheaters
amphora
amphorae
amphoral
amphoras
ample
ampler
amplest
amplification
amplifications
amplified
amplifier
amplifiers
amplifies
amplify
amplifying
amplitude
amplitudes
amply
amygdules
amyl
amylase
amylases
amylene
amylenes
amylic
amyloid
amyloidids
amylose
amyloses
amyls
amyllum
amyllums
an
ana
anabaena
anabaenas
anabas
anabases
anabasis
anabatic
anableps
anablepses
anabolic
anachronism
anachronisms
anachronistic
anaconda
anacondas
anadem
anadems
anaemia
anaemias
anaemic
anaerobe
anaerobes
anaesthesiology
anaesthetic
anaesthetics
anaglyph
anaglyphs
anagoge
anagoge
anagogic
anagogies
anagogy
anagram
anagrammed
anagramming
anagrams
anal
analcime
analcimes
analcite
analcites
analecta
analects
analemma
analemmas
analemmata
analgesic
analgesics
algia
algias
analties
anality
anally
analog
analogic
analogical
analogically
analogies
analogously
analogs
analogue
analogues
analogy
analyse
analysed
analyser
analysers
analyses
analysing
analysis
analyst
analysts
analytic
analytical
analyzable
analyze
analyzed
analyzer
analysers
analyses
analyzing
ananke
anankes
anapaest
anapaests
anapest
anapests
anaphase
anaphases
anaphora
anaphoras
anaphylactic
anarch
anarchic
anarchies
anarchism
anarchisms
anarchist
anarchistic
anarchists
anarchs
anarchy
anarthria
anas
anasarca
anasarcas
anatase
anatases
anathema
anathemas
anathemata
anatomic
anatomical
anatomically
anatomies
anatomist
anatomists
anatomy
anatoxin
anatoxins
anatto
anattos
ancestor
ancestors
ancestral
ancestress
ancestresses
ancestries
ancestry
anchor
anchorage
anchorages
anchored
anchoret
anchorets
anchoring
anchorman
anchormen
anchors
anchovies
anchovy
anchusa
anchusas
anchusin
anchusins
ancient
ancienter
ancientest
ancients
ancilla
ancillae
ancillary
ancillas
ancon
anconal
ancone
anconeal
ancones
anconoid
ancress
ancreses
and
andante
andantes
anded
andesite
andesites
andesyte
andesytes
andiron
andirons
androgen
androgens
androgynous
android
androids
ands
aneurysms
anew
anga
angaria
angarias
angaries
angary
angas
angel
angelic
angelica
angelical
angelically
angelicas
angels
angelus
angeluses
anger
angered
angering
angerly
angers
angina
angular
anginas
anginose
anginous
angioma
angiomas
angiomata
angle
angled
anglepod
anglepods
angler
anglers
angles
angleworm
angleworms
anglice
angling
anglings
angora
angoras
angrier
angriest
angrily
angry
anna
annal
annalist
annalists
annals
annas
annates
annatto
annattos
anneal
annealed
annealer
annealers
annealing
anneals
annelid
annelids
annex
annexation
annexations
annexe
annexed
annexes
annexing
annihilate
annihilated
annihilates
annihilating
annihilation
annihilations
anniversaries
anniversary
annotate
annotated
annotates
annotating
annotation
annotations
annotator
annotators
announce
announced
announcement
announcements
announcer
announcers
announces
announcing
anointment
anointments
anoints
anole
anoles
anolyte
anolytes
anomalies
anomalous
anomaly
anomic
anomie
anomies
anomy
anon
anonym
anonymities
anonymity
anonymous
anonymously
anonyms
anoopsia
anoopsias
anopia
anopias
anopsia
anopsias
anorak
anoraks
anoretic
anorexia
anorexias
anorexies
anorexy
anorthic
anosmia
anosmias
anosmic
another
anoxemia
anoxemias
anoxemic
anoxia
anoxias
anoxic
ansa
ansae
ansate
anteing
antelope
antelopes
antenna
antennae
antennal
antennas
antepast
antepasts
anterior
anteroom
anterooms
antes
antetype
antetypes
antevert
anteverted
anteverting
anteverts
anthelia
anthelices
anhelix
anthem
anthemed
anthemia
antheming
anthems
anther
antheral
antherid
antherids
anthers
antheses
anthesis
anthill
anthills
anthodia
anthoid
anthologies
anthology
anthraces
anthracite
anthracites
anthrax
anthropoid
anthropological
anthropologist
anthropologists
anticipations
anticipatory
antick
anticked
anticking
ants
ant clerical
ant climactic
ant climax
ant climaxes
anticly
anticollision
anticolonial
anticommunism
anticommunist
anticonservation
anticonservationist
anticonsumer
anticonventional
anticorrosive
anticorruption
anticrime
anticruelty
antics
anticultural
antidandruff
antidemocratic
antidiscrimination
antidote
antidotes
antidumping
antieavesdropping
antiemetic
antiemetics
antiestablishment
antievolution
antievolutionary
antifanatic
antifascism
antifascist
antifat
antifatigue
antifemale
antifeminine
antifeminism
antifeminist
antifertility
antiforeign
antiforeigner
antifraud
antifreeze
antifreezes
antifungus
antigambling
antigen
antigene
antigenes
antigens
antiglare
antigovernment
antigraft
antiguerilla
antihero
antiheroes
antihijack
antihistamine
antihistamines
antihomosexual
antihuman
antihumanism
antihumanistic
antihumanity
antihunting
antijamming
antiking
antikings
antilabor
antiliberal
antiliberalism
antilitter
antilittering
antilog
antilogies
antilogs
antilogy
antilynching
antimanagement
antimask
antimasks
antimaterialism
antimaterialist
antimaterialistic
antimere
antimeres
antimicrobial
antimilitarism
antimilitarist
antimilitaristic
antimilitary
antimiscegenation
antimonies
antimonopolist
antimonopoly
antimony
antimosquito
anting
antings
antinode
antinodes
antinoise
atinomies
atinomy
antiohesity
antipapal
antipathies
antipathy
antipersonnel
antiphon
antiphons
antipode
antipodes
antipole
antipoles
antipolice
antipollution
antipope
antipopes
antipornographic
antipornography
antipoverty
antiprofiteering
antiprogressive
antiprostitution
antipyic
antipyics
antipyretic
antiquarian
antiquarianism
antiquarians
antiquaries
antiquary
antiquated
antique
antiqued
antiquer
antiquers
antiques
antiquing
antiquities
antiquity
antirabies
antiracing
antiracketeering
antiradical
antirealism
antirealistic
antirecession
antireform
antireligious
antirepublican
antirevolutionary
antirobbery
antiromantic
antirust
antirusts
antis
antisegregation
antiseptic
antiseptically
antiseptics
antisera
antisexist
antisexual
antishoplifting
antiskid
antislavery
antismog
antismoking
antismuggling
antispending
antistrike
antistudent
antisubmarine
antisubversion
antisubversive
antisuicide
antisyphilis
antitank
antitax
antitechnological
antitechnology
antiterrorism
antiterrorist
antitheft
antitheses
antithesis
antitobacco
antitotalitarian
antitoxic
antitraditional
antitrust
antituberculosis
antitumor
antitype
antitypes
antityphoid
antiallergic
antiunemployment
antiunion
antiuniversity
antiurban
antivandalism
antiviolence
antiviral
antivivisection
antinatural
antiwhite
antiwiretapping
antiwoman
antler
antlered
antlers
antlike
antlion
antlions
antonym
antonymies
antonyms
antonymy
antra
antral
antre
antres
antrorse
antrurate
ants
anuran
anurans
anureses
anuresis
anuretic
anuria
anurias
anuric
anurous
anus
anuses
anvil
anviled
anviling
anvilled
anvilling
anvils
anviltop
anviltops
anxieties
anxiety
anxious
anxiously
any
anybodies
anybody
anyhow
anymore
anyone
anyplace
anything
anythings
anytime
anyway
anyways
anywhere
anywheres
anywise
aorist
aoristic
aorists
aorta
aortae
aortal
aortas
aortic
aoudad
aoudads
apace
apache
apaches
apagoge
apagoges
apagogic
apanage
apanages
aparejo
aparejos
apart
apartheid
apartheids
apatetic
apathetic
apatetically
apathies
apathy
apatite
apatites
ape
apeak
aped
apeek
apelike
aper
apercu
apercus
aperient
aperients
aperies
aperitif
aperitifs
apers
aperture
apertures
apery
apes
apetalies
apetaly
apex
apexes
aphagia
aphagias
aphane
aphanes
aphasia
aphasiac
aphasiacs
aphasias
aphasic
aphasics
aphelia
aphelian
aphelion
apheses
aphesis
aphetic
aphid
aphides
aphidian
aphidians
aphids
aphis
apholate
apholates
aphonia
aphonias
aphonic
aphonics
aphorise
aphorised
aphorises
aphorising
aphorism
aphorisms
aphorist
aphoristic
aphorists
aphorize
aphorized
aphorizes
aphorizing
aphotic
aphrodisiac
aphtha
aphthae
aphthous
aphyllies
aphylly
apian
apiarian
apiarians
apiaries
apiarist
apiarists
apiary
apical
apically
apogamy
apogeal
apogeanc
apogean
apogee
apogees
apogeic
apollo
apollon
apolog
apologal
apologetic
apologetically
apologia
apologiab
apologiae
apologiaas
apologies
apologist
apologize
apologized
apologizes
apologizing
apologs
apologue
apologues
apology
apolune
apolunes
apomict
apomicts
apomitcs
apomixes
apomixis
apophyge
apophyges
apoplectic
apoplexies
apoplexy
aport
apostacies
apostacy
apostasies
apostasy
apostate
apostates
apostil
apostils
apostle
apostles
apostleship
appeasements
appeaser
appeasers
appeases
appeasing
apel
appellee
appellees
appellor
appellors
apps
append
appendage
appendages
appendectomies
appendectomy
appended
appendices
appendicitis
appending
appendix
appendixes
appends
appestat
appestats
appetent
appetite
appetites
appetizer
appetizers
appetizing
appetizingly
applaud
applauded
applauding
applauds
applause
applauses
apple
applejack
applejacks
apples
applesauce
applianc
applicabilities
applicability
applicable
applicancies
appreciated
appreciates
appreciating
appreciation
appreciations
appreciative
apprehend
apprehended
apprehending
apprehends
apprehension
apprehensions
apprehensive
apprehensively
apprehensiveness
apprehensivenesses
apprentice
apprenticed
apprentices
apprenticeship
apprenticeships
apprenticing
apprise
apprised
appriser
apprisers
apprises
apprising
apprize
apprized
apprizer
apprizers
apprizes
apprizing
approach
approachable
approached
approaches
approaching
approbation
appropriate
appropriated
appropriately
appropriateness
appropriates
appropriating
appropriation
appropriations
argalis
argals
argent
argental
argentic
argents
argentum
argentums
argil
argils
arginase
arginases
arginine
arginines
argle
argled
argles
argling
argol
argols
argon
argonaut
argonauts
argons
argosies
argosy
argot
argotic
argots
arguable
arguably
argue
argued
arguer
arguers
argues
argufied
argufier
argufiers
argufies
argufy
argufying
arguing
argument
argumentative
arguments
argus
arguses
arithmetical
ark
arks
arles
arm
armada
armadas
armadillo
armadillos
armament
armaments
armature
armatured
armatures
armaturing
armband
armbands
armchair
armchairs
armed
armer
armers
armet
armets
armful
armfuls
armhole
armholes
armies
armiger
armigero
armigeros
armigers
armilla
armillae
armillas
arming
armings
armless
armlet
armlets
armlike
armload
armloads
armoire
armoires
armonica
armonicas
armor
armored
armorer
armorers
armorial
armorials
armories
armoring
arms
army
armyworm
armyworms
arnatto
arnattos
arnica
arnicas
arnotto
arnottos
aroind
aroinds
aroine
aroined
aroineing
aroins
aroma
aromas
aromatic
aromatics
arose
around
arousal
arsenics
arsenide
arsenides
arsenious
arsenite
arsenites
arseno
arsenous
arses
arshin
arshins
arsine
arsines
arsino
arsis
arson
arsonist
arsonists
arsonous
arsons
art
artal
artefact
artefacts
artel
artels
arterial
arterials
arteries
arteriosclerosis
arteriosclerotic
artery
artful
artfully
artfulness
artfulnesses
arthralgia
arthritic
arthritides
arthritis
arthropod
arthropods
artichoke
artichokes
article
articled
articles
articling
articulate
articulated
articulately
articulateness
articulatenesses
articulates
articulating
artier
artiest
artifact
artifacts
artifice
artifices
artificial
artificialities
artificiality
artificially
artificialness
artificialnesses
artilleries
artillery
artily
artiness
artinesses
artisan
artisans
artist
artiste
artistes
artistic
artistical
artistically
artistries
artistry
artists
artless
artlessly
artlessness
artlessnesses
arts
artwork
artworks
arty
arum
arums
aruspex
aruspices
arval
ascites
ascitic
ascocarp
ascocarps
ascorbic
ascot
ascots
ascriptible
ascripte
ascripted
ascripts
ascribing
ascription
ascriptions
ascus
asdic
asdics
asea
asepses
asepsis
aseptic
asexual
ash
ashamed
ashcan
ashcans
ashed
ashen
ashes
ashier
ashiest
ashing
ashlar
ashlared
ashlaring
ashlars
ashler
ashlered
ashlering
ashlers
ashless
ashman
ashmen
ashore
ashplant
ashplants
ashram
ashrams
asphaltic
asphalting
asphalts
asphaltum
asphaltums
aspheric
asphodel
asphodels
asphyxia
asphyxias
asphyxiate
asphyxiated
asphyxiates
asphyxiating
asphyxiation
asphyxiations
asphyxies
asphyxy
aspic
aspics
aspirant
aspirants
aspirata
aspiratae
aspirate
aspirated
aspirates
aspirating
aspiration
aspirations
aspire
aspired
aspirer
aspirers
aspires
aspirin
aspiring
aspirins
aspis
aspises
aspish
asps
asquint
asrama
asramas
ass
assagai
assagaied
assagaiing
assagais
assai
assail
assailable
assailant
assailants
assailed
assailer
assailers
assailing
assails
assais
assassin
assassinate
assassinated
assassinates
assassinating
assassination
assassinations
assassins
assault
assaulted
assaulting
assaults
assay
assayed
assayer
assayers
assaying
assays
assegai
assegaied
assegaing
assegaies
assemble
assembled
assembles
assemblies
assembling
assembly
assemblyman
assemblymen
assemblywoman
assemblywomen
assent
assented
assenter
asthma
asthmas
astigmatic
astigmatism
astigmatisms
astir
astomous
astonied
astonies
astonish
astonished
astonishes
astonishing
astonishingly
astonishment
astonishments
astony
astonying
astound
astounded
astounding
astoundingly
astounds
astraddle
astragal
astragals
astral
astrally
astrals
astray
astrict
astricted
astricting
astricts
astride
astringe
astringed
astringencies
astringency
astringent
astringents
astringes
astringing
astrolabe
astrolabes
astrologer
astrologers
astrological
astrologies
astrology
astronaut
astronautic
astronautical
astronautically
astronautics
astronauts
astronomer
astronomers
astronomic
astronomical
astute
astutely
astuteness
astylar
asunder
aswarm
aswirl
aswoon
asyla
asylum
asylums
asymmetric
asymmetrical
asymmetries
asymmetry
asyndelta
at
atabal
atabals
ataghan
ataghs
atalaya
atalayas
ataman
atamans
atamasco
atamascos
ataraxia
ataraxias
ataraxic
ataraxics
ataraxies
ataraxy
atavic
atavism
atavisms
atmas
atmosphere
atmospheres
atmospheric
atmospherically
atoll
atolls
atom
atomic
atomical
atomics
atomies
atomise
atomised
atomises
atomising
atomism
atomisms
atomist
atomists
atomize
atomized
atomizer
atomizers
atomizes
atomizing
atoms
atomy
atonable
atonal
atonally
atone
atoned
atonement
atonements
atoner
atoners
atones
atomic
atomicity
atonics
atonies
atoning
atony
atop
atopic
atopies
atopy
atrazine
atrazines
atremble
atresia
atresias
atria
atrial
atrip
atrium
atriums
atrocious
atrociously
atrociousness
atrociousnesses
atrocities
atrocity
atrophia
atrophias
atrophic
atrophied
atrophies
atrophy
atrophying
atropin
atropine
atropines
atropins
atropism
atropisms
attach
attache
attached
attacher
attachers
attaches
attaching
attachment
attachments
attack
attacked
attacker
attackers
attacking
attacks
attain
attainabilities
attainability
attainable
attestation
attestations
attested
attester
attesters
attesting
attestor
attesters
attests
attic
atticism
atticisms
atticist
atticists
attics
attire
attired
attires
attiring
attitude
attitudes
attorn
attorned
attorney
attorneys
attorning
attorns
attract
attracted
attracting
attraction
attractions
attractive
attractively
attractiveness
attractivenesses
attracts
attributable
attribute
attributed
attributes
attributing
attribution
attributions
attrite
attrited
attune
attuned
attunes
tuning
atwain
atween
atwitter
atypic
atypical
aubade
aubades
auberge
auberges
auburn
auburns
auction
auctioned
auctioneer
auctioneers
auctioning
auctions
audacious
audacities
audacity
audad
audads
audible
audibles
audibly
audience
audiences
audient
audients
audile
audiles
auding
audings
audio
audiogram
audiograms
audios
audit
audited
auditing
audition
auditioned
auditioning
auditions
auditive
auditives
auspex
auspice
auspices
auspicious
austere
austerer
austerest
austerities
austerity
austral
autacoid
autacoids
autarchies
autarchy
autarkic
autarkies
autarkik
autarky
autecism
autecisms
authentic
authentically
authenticate
authenticated
authenticates
authenticating
authentication
authentications
authenticities
authenticity
author
authored
authoress
authoresses
authoring
authoritarian
authoritative
authoritatively
authorities
authority
authorization
authorizations
authorize
authorized
authorizes
authorizing
authors
authorship
awkwardness
awkwardnesses
awl
awless
awls
awlwort
awlworts
awmous
awn
awned
awning
awninged
awnings
awnless
awns
awny
awoke
awoken
awol
awols
awry
axal
axe
axed
axel
axels
axeman
axemen
axenic
axes
axial
axialities
axiality
axially
axil
axile
axilla
axillae
axillar
axillaries
axillars
axillary
axillas
axils
axing
axiologies
axiology
axiom
azonic
azole
azoles
azonal
azonic
azons
azote
azoted
azotemia
azotemias
azotemic
azotes
azoth
azoths
azotic
azotise
azotised
azotises
azotising
azotize
azotized
azotizes
azotizing
azoturia
azoturias
azure
azures
azurite
azurites
azygos
azygoses
azygous
ba
baa
baaed
baaing
baal
baalim
baalism
baalisms
baals
baas
baba
babas
babassu
babassus
babbitt
babbitted
babbitting
babbitts
babble
babbled
babbler
babblers
babbles
babbling
babblings
babbool
babbools
babe
bapel
bables
babes
babesia
babesias
babiche
babiches
babied
babies
babirusa
babirusas
babka
babkas
baboo
babool
babools
baboon
baboons
baboons
baboos
babu
babul
babuls
babus
babushka
babushkas
baby
babyhood
babyhoods
babying
babyish
bacca
baccae
baccalaureate
baccalaureates
baccara
bacteriological
bacteriologies
bacteriologist
bacteriologists
bacteriology
bacterium
baculine
bad
baddie
baddies
baddy
bade
badge
badged
badger
badgered
badgering
badgerly
badgers
badges
badging
badinage
badinaged
badinages
badinaging
badland
badlands
badly
badman
badmen
badminton
badminton
badmouthing
badmouths
badness
badnesses
bads
baff
baffed
baffes
baffing
baffle
baffled
baffler
bafflers
baffles
baldricks
baldrics
balds
bale
baled
baleen
baleens
balefire
balefires
baleful
baler
balers
bales
baling
balisaur
balisaurs
balk
balked
balker
balkers
balkier
balkiest
balkily
balking
balkline
balklines
balks
balky
ball
ballad
ballade
ballades
balladic
balladries
balladry
ballads
ballast
ballasted
ballasting
ballasts
balled
baller
ballerina
ballerinas
ballers
ballet
balletic
ballets
baloneys
bals
balsa
balsam
balsamed
balsamic
balsaming
balsams
balsas
baltimore
baluster
balusters
balustrade
balustrades
bambini
bambino
bambinos
bamboo
bamboos
bamboozle
bamboozled
bamboozles
bamboozling
ban
banal
banalities
banality
banally
banana
bananas
banausic
banco
bancos
band
bandage
bandaged
bandager
bandagers
bandages
bandaging
bandana
bandanas
bandanna
bandannas
bandbox
bandboxes
bandeau
bandeaus
bandeaux
banded
bander
banderol
banderols
banders
bandied
bandies
banding
bandit
banditries
bandity
bandits
banditti
bandog
bandogs
bandora
bandoras
bandore
bandores
bands
bandsman
bandsmen
bandstand
bandstands
bandwagon
bandwagons
bandwidth
bandwidths
bandy
bandying
bane
baned
baneful
banes
bang
banged
banger
bangers
banging
bangkok
bangkoks
bangle
bangles
bangs
bangtail
bangtails
bani
baptizers
baptizes
baptizing
bar
barathea
baratheas
barb
barbal
barbarian
barbarians
barbaric
barbarity
barbarous
barbarously
barbasco
barbascos
barbate
barbe
barbecue
barbecued
barbecues
barbecuing
barbed
barbel
barbell
barbells
barbels
barber
barbered
barbering
barberries
barberry
barbers
barbes
barbet
barbets
barbette
barbettes
barbican
barbicans
barbicel
barbicels
barbing
barbital
barbitals
barbiturate
barbiturates
barbless
bargeman
bargemen
barges
barghest
barghests
barging
barguest
barguests
barhop
barhopped
barhopping
barhops
baric
barilla
barillas
baring
barite
barites
baritone
baritones
barium
bariums
bark
barked
barkeep
barkeeps
barker
barkers
barkier
barkiest
barking
barkless
barks
barky
barleduc
barleducs
barless
barley
barleys
barlow
barlows
barm
barmaid
barmaid
barmaid
barmen
barmie
barmier
barmiest
barms
barmy
barn
barnacle
barnacles
barnier
barniest
barns
barnstorm
barnstorms
barny
barnyard
barnyards
barogram
barograms
barometer
barometers
barometric
barometrical
baron
baronage
baronages
baroness
baronesses
baronet
baronetcies
baronetcy
baronets
barong
barongs
baronial
baronies
baronne
baronnes
barons
barony
baroque
baroques
barouche
barouches
barque
barques
barrable
barrack
barracked
barracking
barracks
barristers
barroom
barrooms
barrow
barrows
bars
barstool
barstools
bartend
bartended
bartender
bartenders
bartending
bartends
barter
bartered
barterer
barterers
bartering
barters
bartholomew
bartisan
bartisans
bartizan
bartizans
barware
barwares
barye
baryes
baryon
baryonic
baryons
barya
barytas
baryte
barytes
barytic
barytone
barytones
bas
basal
basally
basalt
basaltes
basaltic
basalts
bascule
bascules
basilar
basilary
basilic
basilica
basilicae
basilicas
basilisk
basilisks
basils
basin
basinal
basined
basinet
basinets
basing
basins
basion
basions
basis
bask
basked
basket
basketball
basketballs
basketful
basketfuls
basketries
basketry
baskets
basking
basks
basophil
basophils
basque
basques
bass
basses
basset
baseted
baseting
bassets
basseted
bassetting
bassi
bassinet
bassinets
bassist
bassist
bassly
bassness
bassnesses
basso
bassoon
bassoons
bassos
basswood
basswoods
bassy
bast
bastard
bastardies
bastardize
bastardized
bastardizes
bastardizing
bastards
bastardy
baste
basted
baster
basters
bastes
bastile
bastiles
bastille
bastilles
basting
bastings
bastion
bastioned
bastions
basts
bat
batboy
batboys
batch
batched
batcher
batchers
batches
batching
bate
bateau
bateaux
bated
bates
baulkiest
baulkings
baulks
baulky
bausond
bauxite
bauxites
bauxitic
bawbee
bawbees
bawcock
bawcocks
bawd
bawdier
bawdies
bawdiest
bawdily
bawdiness
bawdinesses
bawdric
bawdrics
bawdries
bawdry
bawds
bawdy
bawl
bawled
bawler
bawlers
bawling
bawls
bawsunt
bawtie
bawties
bawty
bay
bayadeer
bayadeers
bayadere
bayaderes
bayamo
bayamos
bayard
bayards
bayberries
bayberry
bayed
baying
bayonet
bayonetted
bayoneting
bayonets
bayonetted
bayonetting
bayou
bayous
bays
baywood
baywoods
bazaar
bazaars
bazar
bazars
bazooka
bazookas
bdellium
bdelliums
be
beach
beachboy
beachboys
beachcomber
beachcombers
beached
beaches
beachhead
beachheads
beachier
beachiest
beaching
beachy
beacon
beaconed
beaconing
beacons
bead
beaded
beadier
beadiest
beadily
beading
beadings
beadle
beadles
beadlike
beadman
beadmen
beadroll
beadrolls
beads
beadsman
beadsmen
beadwork
beadworks
beady
beagle
beagles
beak
beaked
beaker
beakers
beakier
beakiest
beakless
beaklike
beaks
beaky
beam
beamed
beamier
beamiest
beamily
beaming
beamish
beamless
beamlike
beams
beamy
bean
beanbag
beanbags
beanball
beanballs
beaned
beaneries
beanery
beanie
beanies
beaning
beanlike
beano
beanos
beanpole
beanpoles
bedticks
bedtime
bedtimes
beduin
beduins
bedumb
bedumbed
bedumbing
bedumbs
bedunce
bedunched
bedunces
beduncing
bedward
bedwards
bedwarf
bedwarfed
bedwarfing
bedwarfs
bee
beebee
beebees
beebread
beebreads
beech
beechen
beeches
beechier
beechiest
beechnut
beechnuts
beechy
beef
beefcake
beefcakes
beefed
beefier
beefiest
beefily
beefing
beefless
beefs
beefsteak
beefsteaks
beefwood
beefwoods
beefy
beehive
beehives  
beelike  
beeline  
beelines  
beelzebub  
been  
beep  
beeped  
beeper  
beepers  
beeping  
beeps  
beer  
beerr  
beerr  
beers  
beery  
bees  
beeswax  
beeswaxes  
beeswing  
beeswings  
beet  
beetle  
beetled  
beetles  
beetling  
beetroot  
beetroots  
beets  
beev  
beev  
befall  
befallen  
befalling  
befalls  
befell  
befinger  
befingered  
befingering  
befingers  
befit  
befits  
befitted  
befitting  
beflag  
beflagged  
beflagging  
beflags
beheaded
beheading
beheads
beheld
behemoth
behemoths
behest
behests
behind
behinds
behold
beholden
beholder
beholders
beholding
beholds
behoof
behoove
behooved
behooves
behooving
behave
behooved
behoves
behoving
behold
beholden
beholder
beholders
beholding
beholds
behoof
behoove
behooved
behooves
behooving
behowl
behowled
behowling
behowls
beige
beiges
beigy
being
beings
bejewel
bejeweled
bejeweling
bejewelled
bejewelling
bejewels
bejumble
bejumbled
bejumbles
bejumbling
bekiss
bekissed
bekisses
bekissing
beleaps
beleapt
belfried
belfries
belfry
belga
belgas
belie
belied
belief
beliefs
belier
béliers
belies
believable
believably
believe
believed
believer
believers
believes
believing
belike
beliquor
beliquored
beliquoring
beliquors
belittle
belittled
belittles
belittling
belive
bell
belladonna
belladonnas
bellbird
bellbirds
bellboy
bellboys
belle
belled
belleek
belleeks
belles
bellhop
bellhops
bellicose
bellicosities
beltline
beltlines
belts
beltway
beltways
beluga
belugas
belying
bema
bemadam
bemadamed
bemadaming
bemadams
bemadden
bemaddened
bemaddening
bemaddens
bemas
bemata
bemean
bemeaned
bemeaning
bemeans
bemingle
bemingly
bemingles
bemingleing
bemire
bemired
bemires
bemiring
bemist
bemisted
bemisting
bemists
bemix
bemixed
bemixes
bemixing
bemixt
bemoan
bemoaned
bemoaning
bemoans
bemock
bemocked
bemocking
bemocks
bemuddle
bemuddled
bemuddles
bemuddling
bemurmur
bemurmured
bemurmuring
bemurmurs
bemuse
bemused
bemuses
bemusing
bemuzzle
bemuzzled
bemuzzles
bemuzzling
ben
bename
benamed
benames
benaming
bench
benched
bencher
benchers
benches
benching
bend
bendable
benday
bendayed
bendaying
bendays
bended
bendee
bendees
bender
benders
bending
bends
bendways
bendwise
bendy
bendys
bene
beneath
benedick
benedicks
benedict
benediction
benedictions
benevolence
benefaction
benefactions
benefactor
benefactors
benefactress
benefactresses
benefic
benefice
beneficed
beneficence
beneficences
beneficent
benefices
beneficial
beneficially
beneficiaries
beneficiary
beneficing
benefit
benefited
benefiting
benefits
benefitted
benefitting
benempt
benempted
benes
benevolence
benevolences
benevolent
benign
benignities
benignity
benignly
benison
benisons
benjamin
benamins
benne
bennes
bennet
bennets
benni
bennies
bequeathing
bequeaths
bequest
bequests
berake
beraked
berakes
beraking
berascal
berascaled
berascaling
berascals
berate
berated
berates
berating
berberin
berberins
berceuse
berceuses
bereave
bereaved
bereavement
bereavements
bereaver
bereavers
bereaves
bereaving
bereft
beret
berets
beretta
berettas
berg
bergamot
bergamots
bergs
berhyme
berhymed
berymes
berhyming
beriber
beribers
berime
berimed
berimes
beriming
beringed
berlin
berline
berlines
berlins
berm
berme
bermes
berms
bernicle
bernicles
bernestin
berobed
berouged
berretta
berrettas
berried
berries
berry
berrying
berseem
berseems
berserk
berserks
berth
bertha
berthas
berthed
berthing
berths
beryl
beryline
beryls
bescorch
bescorched
bescorches
bescorching
bescour
bescoured
bescouring
bescours
bescreen
bescreened
bescreeening
bescreenes
beseech
beseeched
beseeches
beseeching
bestudding
bestuds
beswarm
beswarmed
beswarming
beswarms
bet
beta
betaine
betaines
betake
betaken
betakes
betaking
betchs
betas
betatron
betatrons
betatter
betattered
betattering
betatters
betaxed
betel
betelnut
betelnuts
betels
beth
bethank
bethanked
bethanking
bethanks
bethel
bethels
bethink
bethinking
bethinks
bethorn
bethorned
bethorning
bethorns
bethought
beths
bethump
bethumped
bethumping
bethumps
betide
betided
bewinged
bewitch
bewitched
bewitches
bewitching
beworm
bewormed
beworming
beworms
beworried
beworries
beworry
beworrying
bewrap
bewrapped
bewrapping
bewraps
bewrapt
bewray
bewrayed
bewrayer
bewrayers
bewraying
bewrays
bey
beylic
beylics
beylik
beyliks
beyond
beyonds
beys
bezant
bezants
bezel
bezels
bezil
bezils
bezique
beziques
bezoar
bezoars
bezzant
bezzants
bhakta
bhaktas
bhakti
bhaktis
billing
billings
billion
billions
billionth
billionths
billion
billons
billow
billowed
billower
billowiest
billowing
billows
billowy
bills
billy
billycan
billycans
bilobate
bilobed
bilisted
bilisteds
biltong
biltongs
bima
bimah
bimahs
bimanous
bimanual
bimas
bimensal
bimester
bimesters
bimetal
bimetallic
bimetals
bimethyl
bimethyls
bimodal
bin
binal
binaries
binary
binate
binately
binational
binationalism
binationalisms
binaural
bind
bindable
binder
binderies
binders
bindery
binding
bindings
bindle
bindles
binds
bindweed
bindweeds
bine
bines
binge
binges
bingo
bingos
binit
binites
binnacle
binnacles
binned
binning
binocle
binocles
binocular
binocularly
binoculars
binomial
binomials
bins
bint
bints
bio
bioassay
bioassayed
bioassaying
bioassays
biochemical
biochemicals
biochemist
biochemistries
biochemistry
biochemists
biocidal
biocide
biocides
bioclean
biocycle
biocycles
biodegradabilities
biodegradability
biodegradable
biodegradation
biodegradations
biodegrade
biodegraded
biodegrades
biodegrading
biogen
biogenic
biogenies
biogens
biogeny
biographer
biographers
biographic
biographical
biographies
biography
bioherm
bioherms
biologic
biological
biologics
biologies
biologist
biologists
biology
biolyses
biolysis
biolytic
biomass
biomasses
biome
biomedical
biomes
biometries
biometry
bionic
bionics
bionomic
bionomies
bionomy
biont
biontic
bionts
biophysical
biophysicist
biophysicists
biophysics
bioplasm
bioplasms
biopsic
biopsies
biopsy
bioptic
bios
bioscope
bioscopes
bioscopies
bioscopy
biota
biotas
biotic
biotical
biotics
biotin
biotins
biotite
biotites
biotitic
biotope
biotopes
biotron
biotrons
biotype
biotypes
biotypic
biovular
bipack
bipacks
biparental
biparous
biparted
bipartisan
biparty
biped
bipedal
bipeds
biters
bites
bitewing
bitewings
biting
bitingly
bits
bitstock
bitstocks
bitsy
bitt
bitted
bitten
bitter
bittered
bitterer
bitterest
bittering
bitterly
bittern
bitterness
bitternesses
bitterns
bitters
bittier
bittiest
biting
bittings
bittock
bittocks
bitts
bitty
bitumen
bitumens
bituminous
bivalent
bivalents
bivalve
bivalved
bivalves
bivinyl
bivinyls
bivouac
bivouacked
bivouacking
bivouacks
bivouacs
biweeklies
blameless
blamelessly
blamer
blamers
blames
blameworthiness
blameworthinesses
blameworthy
blaming
blanch
blanched
blancher
blanchers
blanches
blanching
bland
blander
blandest
blandish
blandished
blandishes
blandishing
blandishment
blandishments
blandly
blandness
blandnesses
blank
blanked
blanker
blankest
blanket
blanketed
blanketing
blankets
blanking
blankly
blankness
blanknesses
blanks
blare
blared
blares
blaring
blarney
blarneyed
blarneying
blarneys
blase
blaspheme
blasphemed
blasphemes
blasphemies
blaspheming
blasphemous
blasphemy
blast
blasted
blastema
blastemas
blastemata
blaster
blasters
blastie
blastier
blasties
blastiest
blasting
blastings
blastoff
blastoffs
blastoma
blastomas
blastomata
blasts
blastula
blastulae
blastulas
blasty
blat
blatancies
blatancy
blatant
blate
blather
blathered
blathering
blathers
blats
blatted
blatter
blattered
blattering
blatters
blatting
blaubok
blauboks
blaw
blawed
blawing
blawn
blaws
blaze
blazed
blazer
blazers
blazes
blazing
blazon
blazoned
blazoner
blazoners
blazoning
blazonries
blazonry
blazons
bleach
bleached
bleacher
bleachers
bleaches
bleaching
bleak
bleaker
bleakest
bleakish
bleakly
bleakness
bleaknesses
bleaks
blear
bleared
blearer
bleariest
bleariley
blearing
blears
bleary
bleat
bleated
bleater
bleaters
bleating
bleats
bleb
blebbby
blebs
bled
bleed
bleeder
bleeders
bleeding
bleedings
bleeds
blellum
blellums
blemish
blemished
blemishes
blemishing
blench
blenched
blencher
blenchers
blenches
blenching
blend
blende
blended
blender
blenders
blendes
blending
blends
blennies
blenny
blent
bleomycin
blesbok
blesboks
blesbuck
blesbucks
bless
blessed
blesseder
blessedest
blessedness
blessednesses
blosser
blessers
blesses
blessing
blessings
blest
blet
blether
blethered
blethering
blethers
blets
blew
blight
blighted
blighter
blighters
blighties
blighting
blights
blightly
blimey
blimp
blimpish
blimps
blimy
blin
blind
blindage
blindages
blinded
blinder
blinders
blindest
blindfold
blindfolded
blindfolding
blindfolds
blinding
blindly
blindness
blindnesses
blinds
blini
blinis
blink
blinkard
blinkards
blinked
blinker
blinkerered
blinkering
blinkers
blinking
blinks
blintz
blintze
blintzes
blip
blipped
blipping
blips
bliss
blisses
blissful
blissfully
blister
blistered
blistering
blisters
blisterly
blite
blites
blithe
blithely
blither
blithered
blithering
blithers
blithesome
blithest
blitz
blitzed
blitzes
blitzing
blizzard
blizzards
bloat
bloatet
bloater
bloaters
bloating
bloats
blob
blobbed
blobbing
blobs
bloc
block
blockade
blowtubes
blowup
blowups
blowy
blowzed
blowzier
blowziest
blowzily
blowzy
blubber
blubbered
blubbering
blubbers
blubbery
blucher
bluchers
bludgeon
bludgeoned
bludgeoning
bludgeons
blue
blueball
blueballs
bluebell
bluebells
blueberries
blueberry
bluebill
bluebills
bluebird
bluebirds
bluebook
bluebooks
bluecap
bluecaps
bluecoat
bluecoats
blued
bluefin
bluefins
bluefish
bluefishes
bluegill
bluegills
bluegum
bluegums
bluehead
blueheads
blueing
blueings
blueish
bluejack
bluejacks
bluejay
bluejays
blueline
bluelines
bluely
blueness
bluenesses
bluenose
bluenoses
blueprint
blueprinted
blueprinting
blueprints
bluer
blues
bluesman
bluesmen
bluest
bluestem
bluestems
bluesy
bluet
bluets
blueweed
blueweeds
bluewood
bluewoods
bluey
blueys
bluff
bluffed
bluffer
bluffers
bluffest
bluffing
bluffly
bluffs
bluing
bluinings
bluish
blume
blumed
blumes
boats
boatsman
boatsmen
boatswain
boatswains
boatyard
boatyards
bob
bobbed
bobber
bobberies
bobbers
bobbery
bobbies
bobbin
bobbinet
bobbinets
bobbing
bobbins
bobble
bobbled
bobbles
bobbling
bobby
bobcat
bobcats
bobche
bobches
bobolink
bobolinks
bobs
bobsled
bobsledded
bobsleeding
bobsleds
bobstay
bobstays
bobtail
bobtailed
bobtailing
bobtails
bobwhite
bobwhites
bocaccio
bocaccios
bocce
bocces
bocci
boccia
bocciass
boccie
boccies
boccis
boche
boches
bock
bocks
bod
bode
boded
bodega
bodegas
bodement
bodements
bodes
bodice
bodices
bodied
bodies
bodiless
bodily
boding
bodingly
bodings
bodkin
bodkins
bods
body
bodying
bodysurf
bodysurfed
bodysurfing
bodysurfs
bodywork
bodyworks
boehmite
boehmites
boff
boffin
boffins
boffo
boffola
boffolas
boffos
boffs
bog
bogan
bogans
bogbean
bogbeans
bogey
bogeyed
bogeying
bogeyman
bogeymen
bogeys
bogged
boggier
boggiest
boggling
boggish
boggle
bogled
boggler
boggler
boglere
boggles
boggling
boggy
bogie
bogies
bogle
bogles
bogs
bobus
bogwood
bogwoods
bogy
bogyism
bogyisms
bogyan
bogymen
bogys
bohea
boheas
bohemia
bohemian
bohemians
bohemias
bohunk
bohunks
boil
boilable
boiled
boiler
bolloxes
bolloxing
bolls
bollworm
bollworms
bolo
bologna
bolognas
boloney
boloneys
bolos
bolshevik
bolson
bolsons
bolster
bolstered
bolstering
bolsters
bolt
bolted
bolter
bolters
bolthead
boltheads
bolting
boltonia
boltonias
boltrope
boltropes
bolts
bolus
boluses
bomb
bombard
bombarded
bombardier
bombardiers
bombarding
bombardment
bombardments
bombards
bombast
bombastic
bombasts
bombe
bombed
bomber
bombers
bones
boneset
bonesets
boney
boneyard
boneyards
bonfire
bonfires
bong
bonged
bonging
bongo
bongoes
bongoist
bongoists
bongos
bongs
bonhomie
bonhymes
bonier
boniest
boniface
bonifices
boniness
boninesses
boning
bonita
bonitas
bonito
bonitoes
bonitos
bonkers
bonne
bonnes
bonnet
bonneted
bonneting
bonnets
bonnie
bonnier
bonniest
bonnily
bonnocks
bonny
bonsai
bonspell
bonspells
boshvarks
bosk
boskage
boskages
bosker
bosket
boskets
boskier
boskiest
bosks
bosky
bosom
bosomed
bosoming
bosoms
bosomy
boson
bosons
bosque
bosques
bosquet
bosquets
boss
bossdom
bossdoms
bossed
bosses
bossier
bossier
bossies
bossiest
bossily
bossing
bossism
bossisms
bossy
boston
bostons
bosun
bosuns
bot
botanic
botanical
botanies
botanise
botanised
botanises
botanising
botanist
bowlfuls
bowlike
bowline
bowlines
bowling
bowlings
bowllike
bows
bowse
bowed
bowses
bowshot
bowshots
bosing
bowsprit
bowsprits
bowwow
bowwows
bowyer
bowyers
box
boxberries
boxberry
boxcar
boxcars
boxed
boxer
boxers
boxes
boxfish
boxfishes
boxful
boxfuls
boxhaul
boxhauled
boxhauling
boxhauls
boxier
boxiest
boxiness
boxinesses
boxing
boxings
boxlike
boxthorn
boxthorns
boxwood
boxwoods
boxy
boy
boyar
boyard
boyards
boyarism
boyarisms
boyars
boycott
boycotted
boycotting
boycotts
boyhood
boyhoods
boyish
boyishly
boyishness
boyishnesses
boyla
boylas
boyo
boyos
boys
bozo
bozos
bra
brabble
brabbled
brabbler
brabblers
brabbles
brabbling
brace
braced
bracelet
bracelets
bracer
bracero
braceros
bracers
braces
brach
braches
braiders
braiding
braidings
braids
brail
brailed
brailing
braille
brailled
brailles
brailling
brails
brain
brained
brainier
brainiest
brainily
braining
brainish
brainless
brainpan
brainpans
brains
brainstorm
brainstorms
brainy
braise
braised
braises
braising
braize
braizes
brake
brakeage
brakeages
braked
brakeman
brakemen
brakes
brakier
brakiest
braking
braky
bramble
brambled
brambles
bramblier
brambliest
brambling
brambly
bran
branch
branched
branches
branchia
branchiae
branchier
branchiest
branching
branchy
brand
branded
brander
branders
brandied
brandies
branding
brandish
brandished
brandishes
brandishing
brands
brandy
brandying
brank
branks
branned
branner
branners
brannier
branniest
branning
branny
brans
brant
brantail
brantails
brants
bras
brash
brasher
brashes
brashest
brashier
brashiest
brashly
brashy
brasier
brasiers
brasils
brasil
brasilin
brasils
brasilins
brass
brassage
brassages
brassard
brassards
brassart
brassarts
bras<brasses
brassica
brassicas
brassie
brassier
brassiere
brassieres
brassies
brassi<brassiest
brassily
brassish
brassy
brat
brats
brattice
bratticed
brattices
bratticing
brattier
brattiest
brattish
brat<brattle
brattled
brattles
brattling
bratty
braunite
braunites
brava
bravado
bravadoes
bravados
bravas
brave
bridled
bridler
bridlers
bridles
bridling
bridoon
bridoons
brie
brief
briefcase
briefcases
briefed
briefer
briefers
briefest
briefing
briefings
briefly
briefness
briefnesses
briefs
brier
briers
briery
bries
brig
brigade
brigaded
brigades
brigadier
brigadiers
brigading
brigand
brigands
bright
brighten
brightened
brightener
brighteners
brightening
brightens
brighter
brightest
brightly
brightness
brightnesses
brights
brigs
brocket
brockets
brocks
brocoli
brocolis
brogan
brogans
brogue
brogueries
broguery
brogues
broguish
broider
broidered
broideries
broidering
broiders
broidery
broil
broiled
broiler
broilers
broiling
broils
brokage
brokages
broke
broken
brokenhearted
brokenly
broker
brokerage
brokerages
brokers
brollies
brolly
bromal
bromals
bromate
bromated
bromates
bromating
brome
bromelin
bromelins
bromes
bromic
bromid
brownest
brownie
brownier
brownies
browniest
browning
brownish
brownout
brownouts
browns
browny
brows
browse
browsed
browser
browsers
browses
browsing
brucella
brucellae
brucellas
brucin
brucine
brucines
brucins
brugh
brughhs
bruin
bruins
bruise
bruised
bruiser
bruisers
bruises
bruising
bruit
bruited
bruiter
bruiters
bruiting
bruits
brulot
brulots
brulyie
brulyies
brulzie
brulzies
brual

Open Source Used In CSPC_Collector 2.9.1  22661
brutely
brutes
brutified
brutifies
brutify
brutifying
bruting
brutish
brutism
brutisms
bruxism
bruxisms
bryologies
bryology
bryonies
bryony
bryozoan
bryozoans
bub
bubal
bubale
bubales
bubaline
bubalis
bubalises
bubals
bubbies
bubble
bubbled
bubbler
bubblers
bubbles
bubblier
bubblikes
bubbliest
bubbling
bubbly
bubby
bubinga
bubingas
bubo
buboed
buboes
bubonic
bubs
buccal
buccally
buck
bullfrogs
bullhead
bullheaded
bullheads
bullhorn
bullhorns
bullied
bullier
bullies
bulliest
bulling
bullion
bullions
bullish
bullneck
bullnecks
bullnose
bullnoses
bulllock
bullocks
bullocky
bullous
bullpen
bullpens
bullpout
bullpouts
bullring
bullrings
bullrush
bullrushes
bulls
bullshit
bullshits
bullshitted
bullshitting
bullweed
bullweeds
bullwhip
bullwhipped
bullwhipping
bullwhips
bully
bullyboy
bullyboys
bullying
bullyrag
bullyragged
bullyragging
bunchily
bunching
bunchy
bunco
buncoed
buncoing
buncombe
buncomes
buncos
bund
bundist
bundists
bundle
bundled
bundler
bundlers
bundles
bundling
bundlings
bunds
bung
bungalow
bungalows
bunged
bunghole
bungholes
bunging
bungle
bangled
bungler
bunglers
bungles
bungling
bunglings
bungs
bunion
unions
bunk
bunked
bunker
bunkered
bunkering
bunkers
bunking
bunkmate
bunkmates
bunko
bunkoed
burlesquing
burley
burleys
burlier
burliest
burlily
burling
burls
burly
burn
burnable
burned
burner
burners
burnet
burnets
burnie
burnies
burning
burnings
burnish
burnished
burnishes
burnishing
burnoose
burnooses
burnous
burnouses
burnout
burnouts
burs
burnt
burp
burped
burping
burps
burr
burred
burrer
burriers
burriers
burriest
burring
burro
burros
burrow
burrowed
burrower
bushbucks
bushed
bushel
busheled
busheler
bushelers
busheling
bushelled
bushelling
bushels
busher
bushers
bushes
bushfire
bushfires
bushgoat
bushgoats
bushido
bushidos
bushier
bushiest
bushily
bushing
bushings
bushland
bushlands
bushless
bushlike
bushman
bushmen
bushtit
bushtits
bushy
bused
busier
busies
busiest
busily
business
businesses
businessman
businessmen
businesswoman
businesswomen
busing
busings
busk
busked
buttoners
buttonhole
buttonholes
buttoning
buttons
buttony
buttress
buttressed
buttresses
buttressing
butts
butty
butut
bututs
butyl
butylate
butylated
butylates
butylating
butylene
butylenes
butyls
butyral
butyrals
butyrate
butyrates
butyric
butyrin
butyrls
butyrous
butyryl
butyryls
buxom
buxomer
buxomest
buxomly
buy
buyable
buyer
buyers
buying
buys
buzz
buzzard
buzzards
buzzed
buzzer
buzzers
byssuses
bystander
bystanders
bystreet
bystreets
bytalk
bytalks
byte
bytes
byway
byways
byword
bywords
bywork
byworks
byzant
byzants
cab
cabal
cabala
cabalas
cabalism
cabalisms
cabalist
cabalists
caballed
caballing
cabals
cabana
cabanas
cabaret
cabarets
cabbage
cabbaged
cabbages
cabbaging
cabbala
cabbalah
cabbalahs
cabbalas
cabbie
cabbies
cabby
caber
cabers
cabestro
cabestros
cabezón
cabezone
abezones
bezons
bildo
didos
bin
bined
inet
inetmaker
inetmakers
inetmaking
inetmakings
inets
inetwork
inetworks
ining
ins
le
led
legram
legrams
les
let
lets
eway
eways
ling
man
men
ob
obs
obched
obchon
obchons
oodle
oodles
oose
oses
shed
ottage
agages
esta
estas
esto
etta
etas
illa
illa
cadasters
cadastre
cadastres
cadaver
cadavers
caddice
caddices
caddie
caddied
caddies
caddis
caddises
caddish
caddishly
caddishness
caddishnesses
caddy
caddying
cade
cadelle
cadelles
cadence
cadenced
cadences
cadencies
cadencing
cadency
cadent
cadenza
cadenzas
cades
cadet
cadets
cadge
cadged
cadger
cadgers
cadges
cadging
cadgy
cadi
cadis
cadmic
cadmium
cadmiums
cadre
cadres
cads
calibrated
calibrates
calibrating
calibration
calibrations
calibrator
calibrators
calibre
calibred
calibres
calices
caliche
caliches
calicle
calicles
calico
calicoes
calicos
calif
califate
califates
california
califs
calipash
calipashes
calipee
calipees
caliper
calipered
calipering
calipers
caliph
caliphal
caliphate
caliphates
caliphs
calisaya
calisayases
calisthenic
calisthenics
calix
calk
calked
calker
calkers
calkin
calking
calkins
calks
call
calla
callable
callan
callans
callant
callants
callas
callback
callbacks
callboy
callboys
called
caller
callers
callet
callets
calli
calling
callings
calliopes
calliopes
callipee
callipees
calliper
callipered
callipering
callipers
callose
calloses
callosities
callosity
callous
calloused
callouses
callousing
callously
callousness
callousnesses
callow
caller
callower
callowest
callowness
callownesses
calls
callus
callused
calluses
callusing
calm
calmed
calmer
calmest
calming
calmly
calmness
calmnesses
calms
calomel
calomels
caloric
calorics
calorie
calories
calory
calotte
calottes
caloyer
caloyer
calpac
calpack
calpacks
calpac
calque
calqued
calques
calquing
calthrop
calthrops
caltrap
caltraps
caltrop
caltrops
calumet
calumets
calumniate
calumniated
calumniates
calumniating
calumniation
calumniations
calumnies
calumnious
calumnny
calutron
canella
canellas
caner
caners
canes
caneware
caneweares
canfield
canfields
canful
canfuls
cangue
cangues
canikin
canikins
canine
canines
caning
caninities
caninity
canister
canisters
canities
canker
cankereds
cankering
cankerous
cankers
canna
cannabic
cannabin
cannabin
cannabins
cannabis
cannabis
cannabises
cannas
canned
cannel
cannelon
cannelons
cannels
canner
canneries
canners
cannery
cannibal
cannibalism
cannibalisms
cannibalistic
canticle
canticles
cantilever
cantilevers
cantina
cantinas
canting
candle
cantles
canto
canton
cantonal
cantoned
cantoning
cantons
cantor
cantors
cantos
cantraip
cantraips
cantrap
cantraps
cantrip
cantrips
cants
cantus
canty
canula
canulae
canulas
canulate
canulated
canulates
canulating
canvas
canvased
canvaser
canvasers
canvases
canvasing
canvass
canvassed
canvasser
canvassers
canvasses
canvassing
canyon
canyons
capita
capital
capitalism
capitalist
capitalistic
capitalistically
capitalists
capitalization
capitalizations
capitalize
capitalized
capitalizes
capitalizing
capitals
capitate
capitol
capitals
capitula
capitulate
capitulated
capitulates
capitulating
capitulation
capitulations
capless
caplin
caplins
capmaker
capmakers
capo
capon
caponier
caponiers
caponize
caponized
caponizes
caponizing
capons
caporal
caporals
capos
capote
capotes
capouch
capouches
capped
capper
cappers
capping
cappings
capric
capricci
caprice
caprices
capricious
caprifig
caprifigs
caprine
capriole
caprioled
caprioles
caprioling
caps
capsicin
capsicins
capsicum
capsicums
capsid
capsidal
capsids
capsize
capsized
capsizes
capsizing
capstan
capstans
capstone
capstones
capsular
capsulate
capsulated
capsule
capsuled
capsules
capsuling
captain
captaincies
captaincy
captained
captaining
captains
captainship
captainships
captan
captans
caption
captioned
captioning
captions
captious
captiously
captivate
captivated
captivates
captivating
captivation
captivations
captivator
captivators
captive
captives
captivities
captivity
captor
captors
capture
captured
capturer
capturers
captures
capturing
capuche
capuched
capuches
capuchin
capuchins
caput
capybara
capybaras
car
carabao
carabaos
carabid
carabids
carabin
carabine
carabines
carabins
caracal
caracals
caracara
caracaras
carack
caracks
carditises
cardoon
cardoons
cards
care
cared
careen
careened
careener
careeners
careening
careens
career
careered
careerer
careerers
careering
careers
carefree
careful
carefuller
carefullerest
carefully
carefulness
carefulnesses
careless
carelessly
carelessness
carelessnesses
carer
carers
cares
caress
caresed
caresser
caressers
caresses
caressing
caret
caretaker
caretakers
carets
careworn
carex
carfare
carfares
carful
carfuls
cargo
cargoes
cargos
carhop
carhops
caribe
caribes
caribou
caribous
caricature
caricatured
caricatures
caricaturing
caricaturist
caricaturists
carices
caried
caries
carillon
carillonned
carillonning
carillons
carina
carinae
carinal
carinas
carinate
caring
carioca
cariocas
cariole
carioles
carious
cark
carked
carking
carks
carl
carle
carles
carless
carlin
carline
carlines
carling
carlings
carlings
carlish
carolers
caroli
caroling
carolled
caroller
carollers
carolling
carols
carolus
caroluses
carom
caromed
caroming
caroms
carotene
carotenes
carotid
carotids
carotin
carotins
carousal
carousals
carouse
caroused
carousel
carousels
carouser
carousers
carouses
carousing
carp
carpal
carpale
carpalia
carpals
carped
carpel
carpels
carpenter
carpentered
carpentering
carpenters
carpentries
carpentry
carper
carpers
carpet
carpeted
carryout
carryouts
cars
carse
cares

carsick
cart
cartable
cartage
cartages
carte
carted
cartel
cartels
carter
carters
cartes
cartilage
cartilages
cartilaginous
carting
cartload
cartloads
cartographer
cartographers
cartographies
cartography
carton
cartoned
cartoning
cartons
cartoon
cartooned
cartooning
cartoonist
cartoonists
cartoons
cartop
cartouch
cartouches

cartridge
cartridges
carts
caruncle
caruncles
carve
carved
carvel
casements
caseose
caseoses
caseous
casern
caserne
casernes
caserns
cases
casette
casettes
casework
caseworks
caseworm
caseworms
cash
cashable
cashaw
cashaws
cashbook
cashbooks
cashbox
cashboxes
cashed
cashes
cashew
cashews
cashier
cashiered
cashiering
cashiers
cashing
cashless
cashmere
cashmeres
cashoo
cashoos
casimere
casimere
casimeres
casimire
casimires
casing
casings
casino
casinos
cask
casked
casket
casketed
casketing
caskets
casking
casks
casky
casque
casqued
casques
cassaba
cassabas
cassava
cassavas
casserole
casseroles
cassette
cassettes
cassia
cassias
cassino
cassinos
cassis
cassises
cassock
cassocks
cast
castanet
castanets
castaway
castaways
caste
casteism
casteisms
caster
casters
castes
castigate
castigated
castigates
castigating
castigation
castigations
castigator
castigators
casting
castings
castle
castled
castles
castling
castoff
castoffs
castor
castors
castrate
castrated
castrates
castrati
castrating
castration
castrations
castrato
casts
casual
casually
casualness
casualnesses
casuals
casualties
casualty
casuist
casuistries
casuistry
casuists
casus
cat
cataclysm
cataclysms
catacomb
catacombs
cataclysmic
catalase
catalases
catalo
cataloes
catalog
cataloged
cataloger
catalogers
cataloging
catalogs
cataloguer
cataloguers
catalos
catalpa
catalpas
catchup
catchups
catchword
catchwords
catchy
cate
catechin
catechins
catechism
catechisms
catechist
catechists
catechize
catechized
catechizes
catechizing
catechol
catechols
catechu
catechus
categorical
categorically
categories
categorization
categorizations
categorize
categorized
categorizes
categorizing
category
catena
catenae
catenaries
catenary
catenas
catenate
catenated
catenates
catenating
catenoid
catenoids
cater
cateran
caterans
catercorner
catered
caterer
caterers
cateress
cateresses
catering
caterpillar
caterpillars
caters
caterwaul
caterwauled
caterwauling
caterwauls
cates
catface
catfaces
catfall
catfalls
catfish
catfishes
catgut
catguts
catharses
catharsis
cathartic
cathead
catheads
cathect
cathected
cathecting
cathects
cathedra
cathedrae
cathedral
cathedrals
cathedras
catheter
catheterization
catheters
cathexes
cathexis
cathode
cathodes
catholic
catholic
cathouse
cathouses
cation
cationic
cations
catkin
catkins
catlike
catlin
catling
catlings
catlins
catmint
catmints
catnap
catnaper
catnapers
catnapped
catnapping
catnaps
catnip
catnips
cats
catspaw
catspaws
catsup
catsups
cattail
cattails
cattalo
cattaloes
cattalos
catted
cattie
cattier
catties
cattiest
cattily
cattiness
cattinesses
catting
cattish
cattle
cattleman
cattlemen
cattleya
cattleyas
catty
catwalk
catwalks
caucus
caucus
caucused
caucuses
caucusing
caucussed
caucusses
caucussing
caudad
caudal
caudally
caudate
caudated
caudex
caudexes
caudices
caudillo
caudillos
caudle
caudles
caught
caul
cauld
cauldron
cauldrons
caulds
caules
caulicle
caulicles
cauliflower
cauliflowers
cauline
caulis
caulk
caulked
caulker
caulkers
caulking
caulkings
caulks
cauls
causable
causal
causaless
causality
causally
causals
causation
causations
causative
cause
caused
causers
causerie
casey
cases
causeway
causewayed
causewaying
causeways
causey
causeys
cause
causing
ciautic
cauteries
cauterization
cauterizations
cauterize
cauterized
cauterizes
cauterizing
cautery
caution
cautionary
cautioned
cautions
cautious
cautiously
cautiousness
cautiousnesses
cavalcade
cavalcades
cavalero
cavaleros
cavalier
cavaliered
cavaliering
cavalierly
cavalierness
cavalerinesses
cavaliers
cavalla
cavallas
cavallaries
cavally
cavalry
cavalryman
cedilla
cedillas
ceding
cedis
cedula
cedulas
ced
cedillas
cedilla
cedillas
cedinge
cedis
cedula
cedulas
cee
cees
ceiba
ceibas
ceil
ceiled
ceiler
ceilers
ceiling
ceilings
ceils
ceinture
ceintures
celadon
celadons
cceleb
ccelebrant
ccelebrants
ccelebrate
ccelebrated
ccelebrates
ccelebrating
ccelebration
ccelebrations
ccelebrator
ccelebrators
ccelebrities
ccelebrity
ccelebs
celeriac
celeriacs
celeries
celerities
celerity
celery
celesta
celestas
celeste
celestes
celestial
celiac
celibacies
celibacy
celibate
celibates
cell
cella
cellae
cellar
cellared
cellarer
cellarers
cellaret
cellarets
cellaring
cellars
celled
celli
ceiling
cellist
cellists
cello
celophane
celophanes
cellos
cells
cellular
cellule
cellules
cellulose
celluloses
celom
celomata
celoms
celt
celts
cembali
cembalo
cembalos
cement
cementa
cementation
cementations
cemented
cementer
cementers
cementing
cements
cementum
cemeteries
cerci
cercis
cercises
cercus
cere
cereal
cereals
cerebellal
cerebellars
cerebellum
cerebellums
cerebra
cerebral
cerebrals
cerebrate
cerebrated
cerebrates
cerebrating
cerebration
cerebrations
cerebric
cerebrospinal
cerebrum
cerebrums
cered
cerement
cerements
ceremonial
ceremonies
ceremonious
ceremony
ceres
cereus
cereuses
ceria
ceri
cerias
ceric
cering
ceriph
ceriph
serise
erises
erite
erites
erium
eriums
cermet
cermets
cernuous
cero
ceros
cerotic
cerotype
cerotypes
cerous
certain
certainer
certainest
certainly
certainities
certainty
certes
certifiable
certifiably
certificate
certificates
certification
certifications
certified
certifier
certifiers
certifies
certify
certifying
certitude
certitudes
cerulean
ceruleans
cerumen
cerumens
ceruse
ceruses
cerusite
cerusites
cervelat
cervelats
cervical
cervices
cervine
cervix
cervixes
cesarean
cesareans
cesarian
cesarians
cesium
cesiums
cess
cessation
cessations
cessed
cesses
cessing
cession
cessions
cesspit
cesspits
cesspool
cesspools
cesta
cestas
cesti
cestode
cestodes
cestoi
cestoid
cestoids
cestos
cestus
cestuses
cesura
cesurae
cesuras
cetacean
cetaceans
cetane
cetanes
cete
cetes
cetologies
cetology
chabouk
chabouks
chabuk
chabuks
chacma
chacmas
chaconne
chacconnes
chad
chadarim
chadless
chads
chaeta
chaise
cailles
calaha
calahhs
calaza
calazae
calazal
calazas
calcid
calcids
caldron
caldrons
calhe
chalhehs
calhet
calhehs
calfe
caliced
calices
chalk
chalkboard
chalkboards
chalked
chalkier
chalkiest
chalking
chalks
chalky
challah
challahs
challenge
challenged
challenger
challengers
challenges
challenging
challie
challies
challis
challises
challot
challotth
chally
chalone
chalones
chalot
chaloth
chalutz
chalutzim
cham
chamade
chamades
chamber
chambered
chambering
chambermaid
chambermaids
chambers
chambray
chambrays
chameleon
chameleons
chamfer
chamfered
chamfering
chamfers
chamfron
chamfrons
chamise
chamises
chamiso
chamisos
chammied
chammies
chammy
chammying
chamois
chamoised
chamoises
chamoising
chamoix
champ
champac
champacs
champagne
champagnes
champak
champaks
champed
champer
champers
champing
champion
championed
championing
champions
channels
chanson
chansons
chant
chantage
chantages
chanted
chanter
chanters
chantey
chanteys
chanties
chanting
chantor
chantors
chantries
chantry
chants
chanty
chaos
chaoses
chaotic
chaotically
chap
chapbook
chapbooks
chape
chapeau
chapeaus
chapeaux
chapel
chapels
chaperon
chaperonage
chaperonages
chaperone
chaperoned
chaperones
chaperoning
chaperons
chapec
chapier
chapiers
chaplain
chaplaincies
chaplaincy
chaplains
chaplet
chaplets
chapman
chapmen
chapped
chapping
chaps
chapt
chapter
chaptered
chaptering
chapters
chaqueta
chaquetas
char
characid
characids
characin
characins
character
characteristic
characteristically
characteristics
characterization
characterizations
characterize
characterized
characterizes
characterizing
characters
charade
charades
charas
charases
charcoal
charcoaled
charcoaling
charcoals
chard
chards
chare
chared
chares
charge
chargeable
charged
charger
chargers
charges
charquis
charr
charred
charrier
charriest
charring
charro
charros
charrs
charry
chars
chart
charted
charter
chartered
chartering
charters
charting
chartist
chartists
chartreuse
chartreuses
charts
charwoman
charwomen
chary
chase
chased
chaser
chasers
chases
chasing
chasings
chasms
chasmal
chasmed
chasmed
chasmic
chasms
chasmy
chasse
chassed
chasseing
chasses
chasseeur
chasseeurs
chassis
chaste
chastely
chasten
chastened
chasteness
chastenesses
chastening
chastens
chaster
chastest
chastise
chastised
chastisement
chastisements
chastises
chastising
chastities
chastity
chasuble
chasubles
chat
chateau
chateaus
chateaux
chats
chatted
chattel
chattels
chatter
chatterbox
chatterboxes
chattered
chatterer
chatterers
chattering
chatters
chattery
chattier
chattiest
chattily
chatting
chatty
chauffer
chaufers
chauffer
chauffers
chauffeur
chauffeured
chauffeuring
chauffeurs
chaunt
chaunted
chaunter
chaunters
chaunting
chaunts
chausses
chauvinism
chauvinisms
chauvinist
chauvinistic
chauvinists
chaw
chawed
chawer
chawers
chawing
chaws
chayote
chayotes
chazan
chazanim
chazans
chazzen
chazzenim
chazzens
cheap
cheapen
cheapened
cheapening
cheapens
cheaper
cheapest
cheapie
cheapies
cheapish
cheaply
cheapness
cheapnesses
cheaps
cheapskate
cheapskates
cheat
cheated
cheater
cheaters
cheating
cheats
chevrons
chevy
chevying
cow
chewable
chewed
chewer
chewers
chewier
chewiest
chewing
chewink
chewinks
chews
chewy
chez
chi
chia
chiao
chias
chiasm
chiasma
chiasmal
chiasmas
chiasmata
chiasmi
chiasmic
chiasms
chiasmus
chiastic
chiasus
chiauses
chibouk
chibouks
chic
chicane
chicaned
chicaner
chicaneries
chicaners
chicanery
chicanes
chicaning
chicories
chicory
chichi
chichis
chick
chickadee
chickadees
chicken
chickened
chickening
chickens
chickpea
chickpeas
chicks
chicle
chicles
chicly
chicness
chicnesses
chico
chicories
chicory
chicos
chics
chid
chidden
chide
chided
chider
chiders
chides
chiding
chief
chiefdom
chiefdoms
chiefer
chiefest
chiefly
chiefs
chieftain
chieftaincies
chieftaincy
chieftains
chiel
chield
shields
chiel
chiffon
chiffons
chigetai
chigetais
chigger
chiggers
chinches
chinchier
chinchiest
chinchilla
chinchillas
chinchy
chine
chined
chines
chinging
chink
chinked
chinkier
chinkiest
chinking
chinks
chinky
chinless
chinned
chinning
chino
chinone
chinones
chinkook
chinkooks
chinos
chins
chints
chintses
chintz
chintzes
chintzier
chintziest
chintzy
chip
chipmuck
chipmucks
chipmunk
chipmunks
chipped
chipper
chippered
chippering
chippers
chippie
chippies
chipping
chippy
chiselled
chiselling
chisels
chit
chital
chitchat
chitchats
chitchatted
chitchattting
chitin
chitins
chitlin
chitling
chitlings
chitlins
chiton
chitons
chits
chitter
chittered
chittering
chitters
chitties
chitty
chivalric
chivalries
chivalrous
chivalrously
chivalrousness
chivalrousnesses
chivalry
chivaree
chivareed
chivareeing
chivarees
chivari
chivared
chivariing
chivaris
chive
chives
chivied
chivies
chivvied
chivvied
chivvies
chivy
chivying
chivy
choicest
choir
choirboy
choirboys
choired
choiring
choirmaster
choirmasters
choirs
choke
choked
choker
chokers
choke
chokey
chokier
chokiest
choking
choky
cholate
cholates
choler
cholera
choleras
choleric
cholers
cholesterol
cholesterols
choleine
cholines
cholla
chollas
chomp
chomped
chomping
chomps
chon
choose
chooser
choosers
chooses
choosey
choosier
choosiest
choosing
chosy
chop
chopin
chopine
chopines
chopins
chopped
chopper
choppers
choppier
choppiest
choppily
choppiness
choppinesses
chopping
choppy
chops
chopsticks
choragi
choragic
choragus
choraguses
choral
chorale
chorales
chorally
chorals
chord
chordal
chordate
chordates
chorded
chording
chords
chore
chorea
choreal
choreas
choreas
chored
choregi
choregus
choreguses
choreic
choreman
choremen
choreograph
choreographed
choreographer
choreographers
choreographic
choreographies
chubby
chubs
chuck
chucked
chuckies
chucking
chuckle
chuckled
chuckler
chucklers
chuckles
chuckling
chucks
chucky
chuddah
chuddahs
chudder
chuddars
chudder
chudders
chufa
chufas
chuff
chuffed
chuffer
chuffest
chuffier
chuffiest
chuffing
chuffs
chuffy
chug
chugged
chugger
chuggers
chugging
chugs
chukar
chukars
chukka
chukkar
chukkars
chukkas
chukker
chukkers
chum
chummied
chummier
cicero
cicerone
cicerones
ciceroni
ciceros
cichlid
cichlidae
cichlids
cicisbei
cicisbeo
cicoree
cicorees
cider
ciders
cigar
cigaret
cigaret
cigarette
cigarettes
cigars
cilantro
cilantros
cilia
ciliary
ciliate
ciliated
ciliates
cilice
cilices
cilium
cimex
cimices
cinch
cinched
cinches
cinching
cinching
cinchona
cinchonas
cincture
cinctured
cinctures
cincturing
cinder
cindered
cindering
cinders
cindery
cine
circuited
cuieties
circuiting
circuitous
circuitries
ciury
circuits
ciuty
circular
circularities
circularity
circularly
circulars
circulate
circulated
circulates
circulating
circulation
circulations
circulatory
circumcise
circumcised
circumcies
circumcising
circumcision
circumcisions
cumference
cumferences
cumflex
cumflexes
cumlocution
cumlocutions
cumnavigate
cumnavigated
cumnavigates
cumnavigating
cumnavigation
cumnavigations
cumscribe
cumscribed
cumscribes
cumscribing
cumspect
cumspetion
cumspetions
cumstance
cumstances
cumstantial
civicisms
civics
civie
civies
civil
civilian
civilians
civilise
civilised
civilises
civilising
civilities
civility
civilization
civilizations
civilize
civilized
civilizes
civilizing
civilly
civism
civisms
civvies
civvy
clabber
clabbered
clabbering
clabbers
clach
clachan
clachans
clachs
clack
clacked
clacker
clackers
clacking
clacks
clad
cladding
claddings
cladode
cladodes
clads
clag
clagged
clagging
clags
claim
claimant
claimants
claimed
claimer
claimers
claiming
claims
clairvoyance
clairvoyances
clairvoyant
clairvoyants
clam
clamant
clambake
clambakes
clamber
clambered
clambering
clambers
clammed
clammier
clammiest
clammily
clamminess
clamminesses
clamming
clammy
clamor
clamored
clamorer
clamorers
clamoring
clamorous
clamors
clamour
clamoured
clamouring
clamours
clamp
clamped
clamper
clampers
clamping
clamps
clams
clamworm
clamworms
clan
clandestine
clang
clanged
clanging
clangor
clangored
clangoring
clangs
clangs
clank
clanked
clanged
clanging
clangs
clans
clansman
clansmen
clap
clapboard
clapboards
clapped
clapper
clappers
clapping
claps
clapt
claptrap
claptraps
claque
claquer
claquers
claques
claqueur
claqueurs
claqueuse
claqueuses
clarence
clarences
claret
clarets
claries
clarification
clarifications
clarified
clarifies
clarify
clarifying
clarinet
clarinetist
clarinetists
clarinets
clarinettist
clarinettists
clarion
clarioned
clarioning
clarions
clarities
clarity
clarkia
clarkias
claro
claroes
claros
clary
clash
clashed
clasher
clashers
clashes
clashing
clap
clapped
clasper
claspers
clasping
clasp
clasps
claspt
class
classed
classer
classers
classes
classic
classical
classically
classicism
classicisms
classicist
classicists
classics
classier
classiest
classification
classifications
classified
classifies
classify
classifying
classily
classing
classis
classless
classmate
classmates
classroom
classrooms
classy
clast
clastic
clastics
clasts
clatter
clattered
clattering
clatters
clattery
claucht
claught
claughted
claughting
claughts
clausal
clause
clauses
claustrophobia
claustrophobias
clavate
clave
claver
clavered
clavering
clavers
clavichord
clavichords
clavicle
clavicles
clavier
claviers
clept
clergies
clergy
clergyman
clergymen
cleric
clerical
clericals
clerics
clerid
clerids
clerihew
clerihecws
clerisies
clerisy
clerk
clerkdom
clerkdoms
clerked
clerking
clerkish
clerklier
clerkliest
clerkl"y
clerks
clerkship
clerkships
clevc"te
clevc"tes
clever
cleverer
cleverest
cleverly
cleverness
clevernesses
clevis
clevises
clew
clewed
clewng
clews
cliche
cliched
cliches
click
clicked
clicker
clickers
clicking
clicks
client
cliental
clients
cliff
cliffier
cliffiest
cliffs
cliffy
cliff
cliffs
climactic
climatal
climate
climates
climatic
climax
climaxed
climaxes
climaxing
climb
climbed
climber
climbers
climbing
climbs
clime
climes
clinal
clinally
clinch
clinched
clincher
clinchers
clinches
clinching
cline
clines
cling
clinged
clinger
clingers
clingier
clingiest
clinging
clings
clingy
clinic
clinical
clinically
clinician
clinicians
clinics
clink
clinked
clinker
clinkered
clinkering
clinkers
clinking
clinks
clip
clipboard
clipboards
clipped
clipper
cippers
clipping
clippings
clips
clipt
clique
cliqued
cliqueier
cliqueiest
cliques
cliquey
cliquier
cliquiest
cliquing
cliquish
cliquy
clitella
clitoral
clitoric
clitoris
clitorisces
clivers
cloaca
cloacae
cloacal
cloak
cloaked
cloaking
cloaks
clobber
clobbered
clobbering
clobbers
cloche
cloches
clock
clocked
clocker
clockers
clocking
clocks
clockwise
clockwork
clod
clodder
cloddest
cloddish
cloody
clodpate
clodpates
clodpole
clodpoles
clodpoll
clodpolls
cloids
clog
clogged
cloggier
cloggliest
clogging
cloggy
clogs
cloister
cloistered
cloistering
cloisters
clomb
clamp
clamped
clampng
clamps
clon
clonal
clonally
clonal
cloned
clones
cloths
clots
clotted
clotting
clotty
cloture
clotured
clotures
cloturing
cloud
cloudburst
cloudbursts
clouded
cloudier
cloudiest
cloudily
cloudiness
cloudinesses
clouding
cloudless
cloudlet
cloudlets
clouds
cloudy
clough
cloughs
clour
cloured
clouring
clours
clout
clouted
clouter
clouters
clouting
clouts
clove
cloven
clover
clovers
cloves
clowder
clowders
clown
clowned
clowneries
clownery
clowning
clumping
clumpish
clumps
clumpy
clumsier
clumsiest
clumsily
clumsiness
clumsinesses
clumsy
clung
clunk
clunked
clunker
clunkers
clunking
clunks
clupeid
clupeids
clupeoid
clupeoids
cluster
clustered
clustering
clusters
clustery
clutch
clutched
clutches
clutching
clutchy
clutter
cluttered
cluttering
clutters
clypeal
clypeate
clypei
clypeus
clyster
clysters
coach
coached
coacher
coachers
coaches
coaching
coachman
coachmen
cocact
cocacted
cocacting
cocaction
cocactions
cocactive
cocacts
cocadmire
cocadmired
cocadmires
cocadmiring
cocadmit
cocadmits
cocadmitted
cocadmitting
cocaeval
cocaevals
cocagencies
cocagency
cocagent
cocagents
cocagula
cocagulant
cocagulants
cocagulate
cocagulated
cocagulates
cocagulating
cocagulation
cocagulations
cocagulum
cocagulums
coccoal
cocola
cocolas
cocalbin
cocalbins
cocalbox
cocalboxes
cocaede
cocaler
cocalers
cocalesce
cocalesced
cocalescent
cocalesces
cocalescing
coalfield
calffield
coalfish
coalfishes
calhole
coaltholes
calified
califies
calify
califying
caling
calition
calitions
calless
calpit
calpits
cals
calsack
calsacks
calshed
calsheds
calyard
calyards
caming
camings
cunex
cunexed
cunexes
cunexing
cappear
cappeared
cappearing
cappears
capt
capted
caopting
copt
course
corsesly
corsesen
corsesened
corseseness
corsesnesses
corsesening
corsesens
corser
corset
corsetest
corssist
coassisted
coaisting
coassists
coaassumed
coaassumes
coaasssuming
coaast
coaastal
coaasted
coaaster
coaasters
coaasting
coaastings
coaastline
coaastlines
coaasts
ccoat
coaeted
coaatee
coaetees
coaeter
coaaters
coaati
coaating
coaatings
coaatis
coaatless
coaatrack
coaatracks
coaatroom
coaatrooms
coaats
coaattail
coaattails
coaattend
coaattended
coaattending
coaattends
coaatetest
coaattested
coaattesting
coaattests
coaauthor
coaauthored
coaauthoring
coaauthors
coaauthorship
cocains
cocaptain
cocaptains
cocas
coccal
cocci
coccic
coccid
coccidia
coccids
cocoi
cocoids
ccocous
coccus
coccyges
coccyx
coccyxes
cochair
cochaired
cochairing
cochairman
cochairmen
cochairs
cochampion
cochampions
cochin
cochins
cochlea
cochleae
cochlear
cochleas
cociner
cocineras
cock
cockade
cockaded
cockades
cockatoo
cockatoos
cockbill
cockbilled
cockbilling
cockbills
cockboat
cockboats
cockcrow
cockcrows
cocked
codein
codeina
codeinas
codeine
codeines
codeins
codeless
coden
codens
coder
coderive
coderived
coderives
coderiving
coders
codes
codesigner
codesigners
codevelop
codeveloped
codeveloper
codevelopers
codeveloping
codevelops
codex
codfish
codfishes
codger
codgers
codices
codicil
codicils
codification
codifications
codified
codifier
codifiers
codifies
codify
codifying
coding
codirector
codirectors
codiscoverer
codiscoverers
codlin
codling
codlings
cofeatures
coff
coffee
coffeehouse
coffeehouses
coffeepot
coffeepots
coffees
coffer
cofferer
coffered
cofferer
coffering
coffers
coffin
coffined
coffing
coffining
coffins
coffle
coffled
caffles
coffling
coffret
coffrets
coffs
cofinance
cofinanced
cofinances
cofinancing
cofounder
cofounders
coft
cog
cogencies
cogency
cogent
cogently
cogged
cogging
cogitate
cogitated
cogitates
cogitating
cogitation
cogitations
cogitative
cogito
cogitos
cognac
cognacs
cognate
cognates
cognise
cognised
cognises
cognising
cognition
cognitions
cognitive
cognizable
cognizance
cognizances
cognizant
cognize
cognized
cognizer
cognizers
cognizes
cognizing
cognomen
cognomens
cognomina
cognovit
cognovits
cogon
cogons
cogs
cogway
cogways
cogweel
cogweels
cohabit
cohabitation
cohabitations
cohabited
cohabiting
cohabits
coeheir
coeheirress
coeheiresses
coeheirs
cohere
cohered
coherence
coherences
coherent
coherently
coherer
coherers
coheres
cohering
cohesion
cohesions
cohesive
coho
cohobate
cohobated
cohobates
cohobating
cohog
cohogs
cohort
cohorts
cohos
cohosh
cohoshes
cohostess
cohostesses
cohune
cohunes
coif
coifed
coiffe
coiffed
coiffes
coiffeur
coiffeurs
coiffing
coiffure
coiffured
coiffures
coiffuring
coifing
coifs
coign
coigne
coigned
coignes
coigning
coigns
coil
coiled
coiler
coilers
coiling
colloquialism
colloquialisms
colloquies
colloquy
collude
colluded
colluder
colluders
colludes
colluding
collusion
collusions
colluvia
colly
collying
collyria
colocate
colocated
colocates
colocating
colog
cologne
cologned
colognes
cologs
colon
colonel
colonels
colones
coloni
colonial
colonials
colonic
colonies
colonise
colonised
colonises
colonising
colonist
colonists
colonize
colonized
colonizes
colonizing
colonnade
colonnades
colons
colonus
combinations
combine
combined
combiner
combiners
combines
combing
combings
combinning
comblike
combo
combos
combs
combust
combusted
combustibilities
combustibility
combustible
combusting
combustion
combustions
combustive
combusts
comby
come
comeback
comebacks
comedian
comediennes
comediennes
comedies
comedo
comedones
comedos
comedown
comedowns
comedy
comelier
comeliest
comelily
comely
comer
comers
comes
comet
cometary
commoving
communal
commune
communed
communes
communicable
communicate
communicated
communicates
communicating
communication
communications
communicative
communing
communion
communions
communique
communiques
communism
communist
communistic
communists
communities
community
commutation
commutations
commute
commuted
commuter
commuters
commutes
commuting
commy
comose
comous
comp
compact
compacted
compacter
compactest
compacting
compactly
compactness
compactnesses
compacts
compadre
compadres
compained
compendia
compendium
compends
compensate
compensated
compensates
compensating
compensation
compensations
compensatory
compere
compered
comperes
compering
compete
competed
competence
competences
competencies
competency
competent
competently
competes
competing
competition
competitions
competitive
competitor
competitors
compilation
compilations
compile
compiled
compiler
compilers
compiles
compiling
comping
complacence
complacences
complacencies
complacency
complacent
complain
complainant
complainants
complained
complainer
complainers
complaining
complains
complaint
complaints
compleat
complect
complected
complecting
complects
complement
complementary
complemented
complementing
complements
complete
completed
completely
completeness
completenesses
completer
completes
completest
completing
completion
completions
complex
complexed
complexer
complexes
complexest
complexing
complexion
complexioned
complexions
complexity
compliance
compliances
compliant
complicate
complicated
complicates
complicating
complication
complications
complice
complices
complicities
compounded
compounding
compounds
comprehend
comprehended
comprehending
comprehends
comprehensible
comprehension
comprehensions
comprehensive
comprehensiveness
comprehensivenesses
compress
compressed
compresses
compressing
compression
compressions
compressor
compressors
comprise
comprised
comprises
comprising
comprize
comprized
comprizes
comprizing
compromise
compromised
compromises
compromising
comps
compt
compted
compting
comptroller
comptrollers
compts
compulsion
compulsions
compulsive
compulsory
compunction
compunctions
compuation
compunctions
computations
conceit
conceived
conceiting
conceitis
conceivable
conceivably
conceive
conceived
conceives
conceiving
concent
concentrate
concentrated
concentrates
concentrating
concentration
concentrations
concentric
concents
concept
conception
conceptions
concepts
conceptual
conceptualize
conceptualized
conceptualizes
conceptualizing
conceptually
concern
concerned
concerning
concerns
concert
concerted
concerti
concertina
concerting
concerto
concertos
concerts
concession
concessions
conch
concha
conchae
conchal
conches
conchies
conchoid
conchoids
conchs
conchy
conciliate
conciliated
conciliates
conciliating
conciliation
conciliations
conciliatory
concile
concisely
concision
concision
concision
conceivers
conclaves
conclude
concluded
concludes
concluding
conclusion
conclusions
conclusive
conclusively
concoct
concocted
concocting
concoctions
concocts
concomitant
concomitantly
concomitants
concord
concordance
concordances
concordant
conords
concrete
concreted
concretes
concreting
concretion
concretions
condolences
condoler
condolers
condoles
condoling
condom
condominium
condominiums
condoms
condone
condoned
condoner
condoners
condones
condoning
condor
condores
condors
conde
conduced
conducer
conducers
conduces
conducing
conduct
conducted
conducting
conduction
conductions
conductive
conductor
conductors
conducts
conduit
conduits
condylar
condyle
condyles
cone
coned
conelrad
conelrads
conenose
conenoses
conepeate
conepeates
conepeatl
conepeats
conodonts
conoid
conoidal
conoids
conquer
conquered
conquering
conqueror
conquerors
conquers
conquest
conquests
conquian
conquians
cons
conscience
consciences
conscientious
conscientiously
conscious
consciously
consciousness
consciousnesses
conscript
conscripted
conscripting
conscription
conscriptions
conscripts
consecrate
consecrated
consecrates
consecrating
consecration
consecrations
consecutive
consecutively
consensus
consensuses
consent
consented
consenting
consents
consequence
consequences
consequent
consequential
consequently
consequents
conservation
conservationist
conservationists
conservations
conservatism
conservatisms
conservative
conservatives
conservatories
conservatory
conserves
consider
considerable
considerably
considerate
considerately
considerateness
consideratenesses
consideration
considerations
considered
considering
considers
consign
consigned
consignee
consignees
consigning
consignment
consignments
consignor
consignors
consigns
consist
consisted
consistencies
consistency
consistent
consistently
consisting
consists
consol
consolation
console
consoled
consoler
consolers
consoles
consolidate
consolidated
consolidates
consolidating
consolidation
consolidations
consoling
consols
consomme
consommes
consonance
consonances
consonant
consonantal
consonants
consort
consorted
consorting
consortium
consortiums
consin
consors
consipitous
consipitously
conspiracies
conspiracy
conspirator
conspirators
conspire
conspired
conspires
conspiring
constable
constables
constabularies
constabulary
constancies
constancy
constant
constantly
constants
constellation
constellations
consternation
consternations
contractual
contradict
contradicted
contradicting
contradiction
contradictions
contradictory
contradicts
contrail
contrails
contraindicate
contraindicated
contraindicates
contraindicating
contraption
contraptions
contraries
contrarily
contrariwise
contrary
contrast
contrasted
contrasting
contrasts
contravene
contravened
contravenes
contravening
contribute
contributed
contributes
contributing
contribution
contributions
contributor
contributors
contributory
contrite
contrition
contritions
contrivance
contrivances
contrive
contrived
contriver
contrivers
contrives
contriving
control
controllable
controlled
controller
controllers
controlling
controls
controversial
controversies
controversy
controvert
controverted
controvertible
controverting
controverts
contumaceous
contumacies
contumacy
contumelies
contumely
contuse
contused
contuses
contusing
contusion
contusions
conundrum
conundrums
conus
convalesce
convalesced
convalescence
convalescences
convalescent
convalesces
convalescing
convect
convected
convecting
convection
convectional
convections
convective
convects
convene
convened
convener
conveners
cooled
cooler
coolers
coolest
coolie
coolies
cooling
coolish
coolly
coolness
coolnesses
cools
cooly
coomb
coombe
coombes
coombs
coon
cooncan
cooncans
coons
coonskin
coonskins
cointie
cointies
coop
cooped
cooper
cooperate
cooperated
cooperates
cooperating
cooperation
cooperative
coopeatives
coopered
cooperies
coopering
cooopers
coopery
coopering
coops
coopt
coopted
coopting
cooption
cooptions
coopts
coordinate
coordinated
coordinates
coordinating
cooperation
coordinations
coordinator
coordinators
c oos
coot
cootie
cooties
coots
cop
copaiba
copaibas
copal
copalm
copalms
copals
coparent
coparents
copartner
copartners
copartnership
copartnerships
copastor
copastors
copatron
copatrons
cope
copeck
copecks
coped
copemate
copemates
copen
copens
copepod
copepods
coper
copers
copes
copied
copier
copiers
copies
copihue
copihues
copilot
copilots
coping
copings
copious
copiously
copiousness
copiousnesses
coplanar
coplot
coplots
coplotted
coplotting
copped
copper
copperah
copperahs
copperas
copperases
coppered
copperhead
copperheads
coppering
coppers
coppery
coppice
coppiced
coppices
copping
coppra
coppras
copra
coprah
coprahs
copras
copremia
copremias
copremic
copresident
copresenters
copartisan
copartisans
copresident
copresenters
copartisan
copartisans

coproduced
coproducer
corelating
coreless
coremia
coremium
corer
corers
cores
coresident
coresidents
corf
corgi
corgis
coria
coring
corium
cork
corkage
corkages
corked
corker
corkers
corkier
corkiest
corking
corklike
corks
corkscrew
corkscrews
corkwood
corkwoods
corky
corn
cormel
cormels
cormlike
cormoid
cormorant
cormorants
cormous
corms
corn
cornball
cornballs
corncake
corncakes
corncob
corncobs
corncrib
corroborate
corroborated
corroborates
corroborating
corroboration
corroborations
corode
coroded
corodes
corodies
coroding
corody
corosion
corrosions
corrosive
corrugate
corrugated
corrugates
corrugating
corrugation
corrugations
corrupt
corrupted
corrupter
corruptest
corruptible
corrupting
corruption
corruptions
corrupts
corsac
corsacs
corsage
corsages
corsair
corsairs
corse
corselet
corselets
corses
corset
corseted
corseting
corsets
corset
corsets
corsets
cortege
corteges
cortex
cortexes
cortical
cortices
cortin
cortins
cortisol
cortisols
cortisone
cortisones
corundum
corundums
corvee
corvees
corves
corvet
corvets
corvette
corvettes
corvina
corvinas
corvine
corymb
corymbed
corymbs
coryphee
coryphees
coryza
coryzal
coryzas
cos
cosec
cosecant
cosecants
cosecs
coses
coset
cosets
cosey
coseys
cosh
coshed
cosher
coshered
coshering
coshers
coshes
coshing
couldst
coulee
coulees
coulisse
coulisses
couloir
couloirs
coulomb
coulombs
coulter
coulters
coumaric
coumarin
coumarins
coumarous
council
councillor
councillors
councilman
councilmen
councilor
councillors
councils
councilwoman
counsel
counseled
counseling
counselling
counsellor
counsellors
counselor
counselors
counsels
count
countable
counted
countenance
countenanced
countenances
countenancing
counter
counteraccusation
counteraccusations
counteract
counteracted
counteracting
counteracts
counteraggression
counteraggressions
counterargue
counterargued
counterargues
counterarguing
counterassault
counterassaults
counterattack
counterattacked
counterattacking
counterattacks
counterbalance
counterbalanced
counterbalances
counterbalancing
counterbid
counterbids
counterblockade
counterblockades
counterblow
counterblows
countercampaign
countercampaigns
counterchallenge
counterchallenges
countercharge
countercharges
counterclaim
counterclaims
counterclockwise
countercomplaint
countercomplaints
countercoup
countercoups
countercriticism
countercriticisms
counterdemand
counterdemands
counterdemonstration
counterdemonstrations
counterdemonstrator
counterdemonstrators
counter
counter
countereffect
countereffects
countereffort
counterefforts
counterembargo
counterembargos
counter-evidence
counter-evidences
counterfeit
counterfeited
counterfeiter
counterfeitors
counterfeiting
counterfeits
counter-guerrila
counter-inflationary
counter-influence
counter-influences
countering
counter-intrigue
counter-intrigues
countermand
countermanded
countermanding
countermands
countermeasure
countermeasures
countermove
counter-movement
counter-movements
counter-moves
counteroffer
counteroffers
counterpart
counterparts
counterpetition
counterpetitions
counterploy
counter-plays
counterpoint
counterpoints
counter-power
counter-powers
counter-pressure
counter-pres-ures
counter-propagation
counter-propagations
counter-proposal
counter-proposals
counter-protest
counter-protests
counterquestion
counterquestions
counterraider
coumtarraid
counterraid
counterrails
counterally
counterrebattle
counterrebattles
counterreform
counterreforms
counterresponse
counterresponses
counterreliation
counterreations
counterrevolution
counterrevolutions
counters
countersign
countersigns
counterstrategies
counterstrategy
counterstyle
counterstyles
countersue
countersued
countersues
countersuggestion
countersuggestions
countersuing
countersuit
countersuits
countertendencies
countertendency
counterterror
counterterrorism
counterterrorisms
counterterrorist
counterterrorists
counterterrors
counterthreat
counterthreats
counterthrust
counterthrusts
counterthrust
contertrends
counterrends
countess
countesses
countian
cowpat
cowpats
cowpea
cowpeas
cowpoke
cowpokes
cowpox
cowpoxes
cowrie
cowries
cowry
cows
cowshed
cowsheds
cowskin
cowskins
cowslip
cowslips
cowy
cox
coxa
coxae
coxal
coxalgia
coxalgias
coxalgic
coxalgies
coxalgy
coxcomb
coxcombs
coxed
coxes
coxing
coxswain
coxswained
coxswaining
coxswains
coy
coyed
coyer
coyest
coying
coyish
coyly
coyness
coynesses
coyote
coyotes
crackle
cracked
crackles
cracklier
crackliest
crackling
crackly
cracknel
cracknels
crackpot
crackpots
cracks
crackup
crackups
cracky
cradle
cradled
cradler
cradlers
cradles
cradling
craft
crafted
craftier
craftiest
craftily
craftiness
craftinesses
crafting
crafts
craftsman
craftsmanship
craftsmanships
craftsmen
craftsmenship
craftsmenships
crafty
crag
cragged
craggier
craggiest
craggily
craggy
crags
cragsman
cragsmen
crake
crakes
cranked
crankles
crankling
crankly
crankous
crankpin
crankpins
cranks
cranky
crannied
crannies
crannog
crannoge
crannoges
crannogs
cranny
crap
crape
craped
crapes
craping
crapped
crapper
crappers
crappie
crappier
crappies
crappiest
crapping
crappy
craps
crapshooter
crapshooters
crases
crash
crashed
crasher
crashers
crashes
crashing
crasis
crass
crasser
crassest
crassly
cratch
cratches
crate
creosoted
creosotes
creosoting
crepe
creped
crepes
crepey
crepiest
creping
crept
crepy
crescendo
crescendos
crescent
crescents
cresive
cresol
cresols
cress
cresses
cresset
cressets
crest
crestal
crested
crestfallen
crestfallens
cresting
crestings
crests
cresyl
cresylic
cresyls
cretic
cretics
cretin
cretins
cretonne
crettones
crevalle
crevalles
crevasse
crevassed
crevasses
crevassing
crevices
creviced
crevices
crew
crewed
crewel
crewels
crewing
crewless
crewman
crewmen
crews
crib
cribbage
cribbages
cribbed
cribber
cribbers
cribbing
cribbings
cribbled
cribrous
cribs
cribwork
cribworks
cricetid
cricetids
crick
cricked
cricket
cricketed
cricketing
crickets
cricking
cricks
cricoid
cricoids
cried
crier
criers
cries
crime
crimes
criminal
criminals
crimmer
crimmers
crimp
crimped
crimper
crisis
crisp
crispate
crisped
crispen
crispened
crispening
crispens
crisper
crispers
crispest
crispier
crispiest
crispily
crisping
crisply
crispness
crispnesses
crisps
crispy
crissa
crissal
crisscross
crisscrossed
crisscrosses
crisscrossing
crissum
crista
cristae
cristate
criteria
criterion
critic
critical
criticism
criticisms
criticize
criticized
criticizes
criticizing
critics
critique
critiqued
critiques
critiquing
critter
critters
crittur
critters
croak
croaked
croaker
croakers
croakier
croakiest
croakily
croaking
croaks
croaky
crocein
croceine
croceines
croceins
crochet
crocheted
crocheting
crochets
croi
crocine
crock
crocked
crockeries
crockery
crocket
crocks
crocking
crocks
crocodile
crocodiles
crocoite
crocoites
crocus
crocutus
crocutus
croft
crofter
crofters
crofts
crojik
crojiks
cromlech
cromlechs
crone
crones
cronies
crony
cronyism
croyisms
crook
crooked
crookeder
crookedest
crookedness
crookednesses
crooking
crooks
croon
crooned
crooner
crooners
crooning
croons
crop
cropland
croplands
cropless
cropped
cropper
croppers
cropping
crops
croquet
croqueted
croqueting
croquets
croquette
croquettes
croquis
crore
crores
crosier
crosiers
cross
crossarm
crossarms
crossbar
crossbarred
crossbarring
crossbars
crossbow
crossbows
crossbreed
crossbred
crossbreeding
crossbreeds
crosscut
crosscuts
crosscutting
crosse
crossed
crosser
crossers
crosses
crossest
crossing
crossings
crosslet
crosslets
crossly
crossover
crossovers
crossroads
crossstie
crosssties
crosswalk
crosswalks
crossway
crossways
crosswise
crotch
crotched
crotches
crotchet
crotchets
crotchety
croton
crotons
crouch
crouched
crouchess
crouching
croup
croupe
croupes
croupier
croupiers
croupiest
croupily
croupous
croups
croupy
crouse
crousely
crucifies
crucifix
crucifixes
crucifixion
crucify
crucifying
crud
crudded
crudding
cruddy
 crude
crudely
cruder
crudes
crudest
crudities
crudity
cruds
cruel
crueler
cruelst
crueller
cruellest
cruelly
cruelties
cruelty
cruet
cruets
cruise
cruised
cruiser
cruisers
cruises
cruising
cruller
crullers
crumb
crumbed
crumber
crumbers
crumbier
crumbiest
crumbing
crumble
crumbled
crumbles
crumblier
crumbliest
crumbling
crumbly
crumbs
crumby
crummie
crummier
crummies
crummiest
crummy
crump
crumped
crumpet
crumpets
crumping
crumple
crumpled
crumpled
crumplings
crumpling
crumply
crumps
crunch
crunched
cruncher
crunchers
crunches
crunchier
crunchiest
crunching
crunchy
crunodal
crunode
crunodes
cruor
cruors
crupper
cruppers
cura
crural
crus
crusade
crusaded
crusader
crusaders
crusades
crusading
crusado
crusadoes
crusados
cryonics
cryostat
cryostats
cryotron
cryotrons
crypt
cryptal
cryptic
crypto
cryptographic
cryptographies
cryptography
cryptos
crypts
crystal
crystallization
crystallizations
crystallize
crystallized
crystallizes
crystallizing
crystals
ctenidia
ctenoid
cub
cubage
cubages
cubature
cubatures
cubbies
cubbish
cubby
cubbyhole
cubbyholes
cube
cubeb
cubebs
cubed
cuber
cubers
cubes
cubic
cubical
cubicities
cubicity
cubicle
cubicles
cubicly
cubics
cubicula
cubiform
cubing
cubism
cubisms
cubist
cubistic
cubists
cubit
cubital
cubits
cuboid
cuboidal
cuboids
cubs
cuckold
cuckolded
cuckolding
cuckolds
cuckoo
cuckooed
cuckooing
cuckoos
cucumber
cucumbers
cucurbit
cucurbits
cud
cudbear
cudbears
cuddie
cuddies
cuddle
cuddled
cuddles
cuddlier
cuddliest
cuddling
cuddly
cuddy
cudgel
cudgeled
cudgeler
cudgeler
cudgelers
cudgeling
cudgelled
cudgelling
cudgels
cuds
cudweed
cudweeds
cue
cued
cueing
cues
cuesta
cuestas
cuff
cuffed
cuffing
cuffless
cuffs
cuif
cuifs
cuing
cuirass
cuirassed
cuirasses
cuirassing
cuish
cuishes
cuisine
cuisines
cuisse
cuisses
cuittle
cuittle
cuittled
cuittles
cuittling
cuke
cukes
culch
culches
culet
culets
culex
culices
culicid
culicids
culicine
culicines
culinary
cull
cullay
cullays
cultivate
cultivated
cultivates
cultivating
cultrate
cults
cultural
culture
cultured
cultures
culturing
cultus
cultuses
culver
culverin
culverins
culvers
culvert
culverts
cum
cumarin
cumarins
cumber
cumbered
cumberer
cumberers
cumbering
cumbers
cumbersome
cumbrous
cumin
cumins
cummer
cummers
cummin
cummins
cumquat
cumquats
cumshaw
cumshaws
cumulate
cumulated
cumulates
cumulating
cumulative
cumulous
cumulus
cuppier  
cuppiest  
cupping  
cuppings  
cuppy  
cupreous  
cupric  
cuprite  
cuprites  
cuprous  
cuprum  
cuprums  
cups  
cupsful  
cupula  
cupulae  
cupular  
cupulate  
cupule  
cupules  
cur  
curable  
curably  
curacao  
curacaos  
curacies  
curacoa  
curacoas  
curacy  
curagh  
curaghs  
curara  
curaras  
curare  
cuaraes  
curari  
curarine  
curarines  
curaris  
curarize  
curarized  
curarizes  
curarizing  
curasow  
curasows  
curate  
curates  
curative
cushiony
cushy
cusk
cusks
cusp
cuspatc
cusped
cuspid
cuspidal
cuspides
cuspidor
cuspidors
cuspids
cuspis
cusps
cuss
cussed
cussedly
cusser
cussers
cusses
cussing
cusso
cussos
cussword
cusswords
custard
custards
custodes
custodial
custodian
custodians
custodies
custody
custom
customarily
customary
customer
customers
customize
customized
customizes
customizing
customs
custos
custumal
custumals
cutler
cuteries
cutlers
cutlery
cutlet
cutlets
cutline
cutlines
cutoff
cutoffs
cout
coutouts
cutover
cutpurse
cutpurses
cuts
cuttable
cuttage
cuttages
cutter
cutters
cutthroat
cutthroats
cutties
cutting
cuttings
cuttle
cuttled
cuttles
cutting
cutty
cutup
cutups
cutwater
cutwaters
cutwork
cutworks
cutworm
cutworms
cuvette
cuvettes
cwm
cwms
cyan
cyanamid
cyanamids
cyanate
cyanates
cyclitol
cyclitols
cyclize
cyclized
cyclizes
cyclizing
cyclo
cycloid
cycloids
cyclonal
cyclone
cyclones
cyclonic
cyclopaedia
cyclopaedias
cyclopeda
cyclopedias
cyclophosphamide
cyclophosphamides
cycllops
cyclorama
cycloramas
cycloramas
cyclos
cycloses
cyclosion
eyder
cyders
cyeses
eyesis
cygnet
cygnets
cylices
cylinder
cylindrical
cylindering
cylinders
cylis
cyma
cymae
cymar
cymars
cymas
cymatia
cymatium
cymbal
cymbaler
cymbalers
cymbals
cystines
cystitides
cystitis
cystoid
cystoids
cysts
cytaster
cytasters
cytidine
cytidines
cytogenies
cytogeny
cytologies
cytology
cyton
cytons
cytopathological
cytosine
cytosines
czar
czardas
czardom
czardoms
czarevna
czarevnas
czarina
czarinas
czarism
czarisms
czarist
czarists
czaritza
czaritzas
czars
da
dab
dabbed
dabber
dabbers
dabbing
dabble
dabbled
dabbler
dabblers
dabbles
dabbling
dabblings
dabchick
dabchicks
dabs
dabster
dabsters
dace
daces
dacha
dachas
dachshund
dachshunds
dacker
dackered
dackering
dackers
dacoit
dacoities
dacoits
dacoity
dactyl
dactyli
dactylic
dactylics
dactyls
dactylus
dad
dada
dadaism
dadaisms
dadaist
dadaists
dadas
daddies
daddle
daddled
daddles
daddling
daddy
dado
dadoed
dadoes
dadoing
dados
dads
daedal
daemon
daemonic
daemons
daff
dales
dalesman
dalesmen
daleth
dalettes
dalles
dalliance
dalliances
dallied
dallier
dailliers
daillies
daaly
daallying
daletic
dalettic
daletic
daletic
daletic
daletic
daletic
daletic
daletic
daletic
daletic
daletic
daletic
dam
damage
damaged
damager
damagers
damages
damaging
daman
damans
damar
damars
damask
damasked
damasking
damasks
dame
dames
damewort
dameworts
dammar
dammars
dammed
dammer
dammers
damming
dam
 damnable
damnably
damnation
damnations
damnest
damnests
dammed
damned
damneder
damnedest
damner
dammers
damnified
damnifies
damnify
damnifying
damning
dams
damosel
damosels
damozel
damozels
damp
damped
dampen
dampened
dampener
dampeners
dampening
dampens
damper
dampers
damppest
damping
dampish
damply
dampnness
dampnneses
damps
dams
damsel
damsels
damson
damsons
dance
danced
dancer
dancers
dances
dancing
dandelion
dandelions
darked
darken
darkened
darkener
darkeners
darkening
darkens
darker
darkest
darkey
darkeys
darkie
darkies
darking
darkish
darkle
darkled
darkles
darklier
darkliest
darkling
darkly
darkness
darknesses
darkroom
darkrooms
darks
darksome
darky
darling
darlings
darn
damdest
damdests
darned
dameder
damedest
darnel
darnels
damer
darners
darning
darnings
darns
dart
darted
darter
darters
darting
dartle
dartled
dartles
dartling
dartmouth
darts
dash
dashboard
dashboards
dashed
dasheen
dasheens
dasher
dashers
dashes
dashier
dashiest
dashiki
dashikis
dashing
dashpot
dashpots
dashy
dassie
dassies
dastard
dastardly
dastards
dasyure
dasyures
data
datable
datamedia
datapoint
dataries
datary
datcha
datchas
date
dateable
dated
datedly
dateless
dateline
dateline
datelines
datelining
dauphines
daphins
daut
dauted
dautie
dauties
dauting
daunts
daven
davened
davening
davenport
davenports
davens
davies
davit
davits
davy
daw
dawdle
dawdled
dawdler
dawdlers
dawdles
dawdling
dawed
dawan
dawing
dawk
dawks
dawn
dawned
dawning
dawnlike
dawns
daws
dawt
dawted
dawtie
dawties
dawting
dawts
day
daybed
daybeds
daybook
daybooks
daybreak
daybreaks
daydream
daydreamed
daydreaming
daydreams
daydreamt
dayflies
dayfly
dayglow
dayglows
daylight
daylighted
daylighting
daylights
daylilies
daylily
daylight
daylit
daylong
daymare
daymares
dayroom
dayrooms
days
dayside
daysides
daysman
daysmen
daystar
daystars
daytime
daytimes
daze
dazed
dazedly
dazes
dazing
dazzle
dazzled
dazzler
dazzlers
dazzles
dazzling
de
deacon
deaconed
deaconess
deaconesses
deaconing
deashing
dead
death
deathbed
deathbeds
deathcup
deathcups
deathful
deathless
deathly
deaths
deathy
deave
deaved
deaves
deaving
deb
debacle
debacles
debar
debark
debarkation
debarkations
debarked
debarking
debarks
debarr
debarring
debars
debase
debased
debasement
debasements
debaser
debasers
debases
debasing
debatable
debate
debated
debater
debaters
debates
debating
debauch
debauched
debaucheries
debauchery
deckers
deckhand
deckhands
decking
deckings
deckle
deckles
decks
declaim
declared
declaiming
declaims
declamation
declamations
declaration
declarations
declarative
declaratory
declare
declared
declarer
declarers
declares
declaring
declasse
declassed
declasses
declassing
declension
declensions
declination
declinations
decline
declined
decliner
decliners
declines
declining
decoc
decoced
decocing
decocets
decode
decoded
decoder
decoders
decodes
decreers
decrees
decrepit
decrescendo
decretal
decretals
decrual
decruals
decried
decrier
decriers
decries
decrown
decrowned
decrowning
decrowns
decry
decrying
decrypt
decrypted
decrypting
decrypts
decuman
decuple
decupled
decuples
decupling
decuries
decurion
decurions
decurve
decurved
decurves
decuring
decury
dedal
dedans
dedicate
dedicated
dedicates
dedicating
dedication
dedications
dedicator
deduce
deduced
deduces
deducible
deeryards
dees
deewan
deewans
deface
defaced
defacement
defacements
defacer
defacers
defaces
defacing
defamation
defamations
defamatory
defame
defamed
defamer
defamers
defames
defaming
defat
defats
defatted
defatting
default
defaulted
defaulting
defaults
defeat
defeated
defeater
defeaters
defeating
defeats
defecate
defecated
defecates
defecating
defecation
defecations
defect
defected
defecting
defection
defections
defective
defectives
defies
defilade
defiladed
defilades
defilading
defile
defiled
defilement
defilements
defiler
defilers
defiles
defiling
definable
definably
decline
defined
definer
definers
defines
defining
definite
definitely
definition
definitions
definitive
defis
deflate
deflated
deflates
deflating
deflation
deflations
deflator
deflators
deflea
defleaed
defleaing
defleas
deflect
deflected
deflecting
deflection
deflections
deflects
deflexed
deflower
deflowered
deflowering
deflowers
defoam
defoamed
defoamer
defoamers
defoaming
defoams
defog
defogged
defogger
defoggers
defogging
defogs
defoliant
defoliants
defolate
defoliated
defoliates
defoliating
defoliation
defoliations
deforce
deforced
deforges
deforcing
deforest
deforested
deforesting
deforests
deform
deformation
deformations
deformed
deformer
deformers
deforming
deformities
deformity
deforms
defraud
defrauded
defrauding
defrauds
defray
defrayal
defrayals
defrayed
degeneracy
degenerate
degenerated
degenerates
degenerating
degeneration
degenerations
degenerative
degerm
degermed
degerming
degerms
deglaze
deglazed
deglazes
deglazing
degradable
degradation
degradations
degradations
degrade
degraded
degraded
degraders
degrades
degrading
degrease
degreased
degrees
degreases
degreasing
degree
degreed
degrees
degum
degummed
degumming
degums
degust
degusted
degusts
degusts
dehisce
dehisced
dehiscences
dehiscing
dehorn
dehorned
dehoner
dehorners
dehorne
dehorns
dehort
dehorted
dehorting
dehorts
dehydrate
dehydrated
dehydrates
dehydrating
dehydration
dehydrations
dei
deice
deiced
deicer
deicers
deices
deicidal
deicide
deicides
deicing
deictic
deific
deifical
deification
deifications
deified
deifier
deifies
deiform
deify
deifying
deign
deigned
deigning
deigns
deil
deils
deionize
deionized
deionizes
deionizing
deism
deisms
deist
deistic
deists
deities
deity
deject
dejecta
dejected
dejecting
dejection
dejections
dejects
dejeuner
dejeuners
dekagram
dekagrams
dekare
dekares
dek
deked
dekes
deking
del
delaine
delaines
delate
delated
delates
delating
delation
delations
delator
delators
delay
delayed
delayer
delayers
delaying
delays
de
delead
delead
deleaded
deleading
deleads
deled
deleagacies
deelagacy
delegate
delegated
delegates
delegating
delimiting
delimits
delineate
delineated
delineates
delineating
delineation
delineations
delinquencies
delinquency
delinquent
delinquents
deliria
delirious
delirium
deliriums
delis
delist
delisted
delisting
delists
deliver
deliverance
deliverances
delivered
deliverer
deliverers
delivery
deliveries
delivers
delivery
dell
dellies
dells
delly
delouse
deloused
delouses
delousing
dels
delta
deltaic
deltas
deltic
deltoid
deltoids
delude
deluded
deluder
deluders
deludes
deluding
deluge
deluged
deluges
delugging
delusion
delusions
delusive
delusory
deluster
delustered
delustering
delusters
deluxe
delve
delved
delver
delvers
delves
delving
demagog
demagogies
demagoggs
demagogue
demagogueries
demagoguery
demagogues
demagogy
demand
demanded
demander
demanders
demanding
demands
demarcation
demarcations
demarche
demarches
demark
demarked
demarking
demarks
demast
demasted
demasting
demobilization
demobilizations
demobilize
demobilized
demobilizes
demobilizing
demobs
democracies
democracy
democrat
democratic
democratize
democratized
democratizes
democratizing
democrats
demode
demoded
demographic
demography
demolish
demolished
demolishes
demolishing
demolition
demolitions
demon
demoness
demonesses
demoniac
demoniacs
demonian
demonic
demonise
demonised
demonises
demonising
demonism
demonisms
demonist
demonists
demonize
demonized
demonizes
demonizing
demons
demonstrable
demonstrate
denatured
denatures
denaturing
denazified
denazifies
denazify
denazifying
dendrite
dendrites
dendroid
dendon

dendrons
dene
denes
dengue
dengues
deniable
deniably
denial
denials
denied
denier
deniers
denies
denim
denims
denizen
denizened
denizening
denizens
denned
denning
denomination
denominational
denominations
denominator
denominators
denotation
denotations
denotative
denote
denoted
denotes
denoting
denotive
denouement
denouements
denounce
denudated
denudates
denudating
denude
denuded
denuder
denuders
denudes
denuding
denunciation
denunciations
deny
denyng
deodand
deodands
deodar
deodara
deodaras
deodars
deodorant
deodorants
deodorize
deodorized
deodorizes
deodorizing
depaint
depainted
depainting
depaints
depart
departed
departing
department
departmental
departments
departs
departure
departures
depend
dependabilities
dependability
dependable
depended
dependence
dependences
dependencies
dependency
dependent
dependents
depending
depends
deperm
depermed
deperming
deperms
depict
depicted
depicter
depicters
depicting
depiction
depictions
depictor
depictors
depicts
depilate
depilated
depilates
depilating
deplane
deplaned
deplanes
deplaning
deplete
depleted
depletes
depleting
depletion
depletions
deplorable
deplorable
deplor

deplored
deplorer
deplorers
deplorers
deplores
deploring
deploy
deployed
deploying
deployment
deployments
deploys
deplume
deplumed
deplumes
depluming
deputes
deputies
deputing
deputize
deputized
deputizes
deputizing
deputy
deraign
deraigned
deraigning
deraigns
derail
derailed
derailing
derails
derange
deranged
derangement
derangements
deranges
deranging
derat
derats
deratted
deratting
deray
derays
derbies
derby
dere
derelict
dereliction
derelictions
derelicts
deride
derided
derider
deriders
derides
deriding
deringer
deringers
derision
derisions
derisive
derisory
derivate
derivates
derivation
derivations
derivative
derivatives
derive
derived
deriver
derivers
derives
deriving
derm
derma
dermal
dermas
dermatitis
dermatologies
dermatologist
dermatologists
dermatology
dermic
dermis
dermises
dermoid
derms
dernier
derogue
derogate
derogated
derogates
derogating
derogatory
derrick
derricks
derriere
derrieres
derries
derris
derrises
derry
dervish
dervishes
des
desalt
desalted
desalter
desalters
desalting
desalts
desand
desanded
desanding
desands
descant
descanted
descanting
descants
descend
descendant
descendants
descended
descendent
descendants
descending
descends
descent
descents
describable
describably
describe
described
describes
describing
descried
descrier
descriers
descries
description
descriptions
descriptive
descriptor
descriptors
descry
descrying
deseerate
desecrated
desecrates
desecrating
desecration
desecrations
desegregate
desegregated
desegregates
desegregating
desegregation
desegregations
deselect
destroyer
destroyers
destroying
destroy
destruct
destructed
destructibilities
destructibility
destructible
destructing
destruction
destructions
destructive
destructs
desugar
desugared
desugaring
desugars
desulfur
desulfured
desulfuring
desulfurs
desultory
detach
detached
detacher
detachers
detaches
detaching
detachment
detachments
detail
detailed
detailer
detailers
detailing
details
detain
detained
detainee
detainees
detainer
detainers
detaining
detains
detect
detectable
detected
detecter
detecters
detecting
detection
detections
detective
detectives
detector
detectors
detects
detent
detente
detentes
detention
detentions
detents
deter
deterge
deterged
detergent
detergents
deterger
detergers
deterges
deterging
deteriorate
deteriorated
deteriorates
deteriorating
deterioration
deteriorations
determinant
determinants
determination
determinations
determine
determined
determines
determining
deterrred
deterrence
deterrences
deterrent
deterrents
deterrer
deterrers
deterring
deters
detest
detestable
detestation
detestations
detested
detester
detesters
detesting
detests
dethrone
dethroned
dethrones
dethroning
detick
deticked
deticker
detickers
deticking
deticks
detinue
detinues
detonate
detonated
detonates
detonating
detonation
detonations
detonator
detonators
detour
detoured
detouring
detours
detoxified
detoxifies
detoxify
detoxifying
detract
detracted
detracting
detraction
detractions
detractor
detractors
detracts
detrain
detrained
detraining
detrains
detriment
detrimental
detrimentally
detriments
detrital
detritus
detrude
detruded
detrudes
detruding
deuce
deced
ducedly
duces
decuing
deuteric
deuteron
deuterons
deutzia
deutzias
devein
dev
deva
devaluation
devaluations
deval
devalued
devalues
devaluing
devas
devastate
devastated
devastates
devastating
devastation
devastations
devein
deveined
devin
devine
deveining
deveins
devel
develed
develing
develop
develope
developed
developer
developers
dezinc
dezinced
dezincing
dezincked
dezincking
dezincs
dhak
dhaks
dharma
dharmas
dharmic
dharna
dharnas
dhole
dholes
dhoolies
dhooly
dhoora
dhooras
dhooti
dhootie
dhooties
dhootis
dhoti
dhotis
dhourra
dhourras
dhow
dhows
dhurna
dhurnas
dhuti
dhutis
diabase
diabases
diabasic
diabetes
diabetic
diabetics
diableries
diablery
diabolic
diabolical
diabolo
diabolos
diacetyl
diacetys
diacid
diazine
diazines
diazins
diazo
diazole
diazoles
dib
dibasic
dibbed
dibber
dibbers
dibbing
dibble
dibbled
dibbler
dibblers
dibbles
dibbling
dibbuk
dibbuks
dibs
dicast
dicastic
dicasts
dice
diced
dicentra
dicentras
dicer
dicers
dices
dicey
dichasia
dichotic
dichroic
dicier
diciest
dicing
dick
dickens
dickenses
dicker
dickered
dickering
dickers
dickey
dickeys
dickie
dickies
dicks
dicky
diclinies
dicliny
dicot
dicots
dicotyl
dicotyls
dicrotal
dicrotic
dicta
dictate
dictated
dictates
dictating
dictation
dictations
dictator
dictatorial
dictators
dictatorship
dictatorships
diction
dictionaries
dictionary
dictions
dictum
dictums
dicyclic
dicycles
dicycly
did
didact
didactic
didacts
didactyl
didapper
didappers
diddle
diddled
diddler
diddlers
diddles
diddling
didies
dido
didoes
didos
didst
didy
didymium
didymiums
didymous
didynamies
didynamy
die
dieback
diebacks
diecious
died
diehard
diehards
dieing
diel
dieldrin
dieldrins
diemaker
diemakers
diene
dienes
diereses
dieresis
dieretic
dies
diesel
diesels
deses
desis
diester
diesters
diestock
diestocks
diestrum
diestrums
diestrus
diestruses
diet
dietaries
dietary
dieted
dieter
dieters
dietetec
dietetics
digression
digressions
digs
dihedral
dihedrals
dihedron
dihedrons
dihybrid
dihybrids
dihydric
dikdik
dikdiks
dike
diked
diker
dikers
dikes
diking
diktat
diktats
dilapidated
dilapidation
dilapidations
dilatant
dilatants
dilatate
dilatation
dilatations
dilate
dilated
dilater
dilaters
dilates
dilating
dilation
dilations
dilative
dilator
dilators
dilatory
dildo
dildoe
dildoes
dildos
dilemma
dilemmas
dilemmic
dilettante
dimers
dimes
dimter
dimters
dimethyl
dimethlys
dimetric
diminish
diminished
diminishes
diminishing
diminutive
dimities
dimity
dimly
dimmable
dimmed
dimmer
dimmers
dimnest
dimning
dinness
dinneses
dimorph
dimorphs
dimout
dimouts
dimple
dimpled
dimples
dimplier
dimpliest
dimpling
dimply
dims
dimwit
dimwits
din
dinar
dinars
dindle
dindled
dindles
dindling
dine
dined
diner
dineric
dinero
dineros
diners
dines
dinette
dinettes
ding
dingbat
dingbats
dingdong
dingdonged
dingdonging
dingdongs
dinged
dingey
dingeys
dinghies
dinghy
dingier
dingies
dingiest
dingily
dinginess
dinginesses
dinging
dingle
dingles
dingo
dingoes
dings
dingus
dinguses
dingy
dining
dink
dinked
dinkey
dinkeys
dinkier
dinkies
dinkiest
dinking
dinkly
dinks
dinkum
dinky
dinned
dinner
dip
diphase
diphastic
diphenyl
diphenyls
diphtheria
diphtherias
diphthong
diphthongs
diplegia
diplegias
diplex
diploe
diploes
diploic
diploid
diploidies
diploids
diploidy
diploma
diplomacies
diplomacy
diplomaed
diplomaing
diplomas
diplomat
diplomata
diplomatic
diplomats
diplont
diplonts
diplophia
diplopias
diptopic
diplopod
diplopods
diploses
diplosis
dipnoan
dipnoans
dipodic
dipodies
dipody
dipolar
dipole
dipoles
dippable
dipped
dipper
dippers
dippier
dippiest
dipping
dippy
dips
dipsades
dipsas
dipstick
dipsticks
dipt
diptera
dipteral
dipteran
dipterans
dipteron
diphtheria
diphtherias
diptyca
diptycas
diptych
diptychs
diquat
diquats
dirdum
dirdums
dire
direct
directed
directer
directest
directing
direction
directional
directions
directive
directives
directly
directness
director
directories
directors
directory
directs
direful
direly
direness
direnesses
direr
direst
dirge
dirgeful
dirges
dirham
dirhams
dirigible
dirigibles
diriment
dirk
dirked
dirking
dirks
dirl
dirled
dirling
dirls
dimdl
dimdls
dirt
dirtied
dirtier
dirties
dirtiest
dirtily
dirtiness
dirtinesses
dirts
dirty
dirtying
disabilities
disability
disable
disabled
dables
disabling
disabuses
disabused
disabuses
disabusing
disadvantage
disadvantageous
disadvantages
disaffection
disaffected
disaffecting
disaffection
disaffections
disffects
disagree
disagreeable
disagreeables
disagreed
disagreeing
disagreement
disagreements
disagrees
disallow
disallowed
disallowing
disallows
disannul
disannulled
disannulling
disannuls
disappear
disappearance
disappearances
disappeared
disappearing
disappears
disappoint
disappointed
disappointing
disappointment
disappointments
disappoints
disapproval
disapprovals
disapprove
disapproved
disapproves
disapproving
disarm
disarmament
disarmaments
disarmed
disarmer
disarmers
disarming
disarms
disarrange
disarranged
disarrangement
disarrangements
disranges
disarranging
disarray
disarrayed
disarraying
disarrays
disaster
disasters
disastrous
disavow
disavowal
disavowals
disavowed
disavowing
disavows
disband
disbanded
disbanding
disbands
disbar
disbarment
disbarments
disbarred
disbarring
disbars
disbelief
disbeliefs
disbelieve
disbelieved
disbelieves
disbelieving
disbosom
disbosomed
disbosoming
disbosoms
disbound
disbowel
disboweled
disboweling
disbowelled
disbowelling
disbowels
disbud
disbudded
disbudding
disbuds
disburse
diseuses
disfavor
disfavored
disfavoring
disfavors
disfigure
disfigured
disfigurement
disfigurements
disfigures
disfiguring
disfranchise
disfranchised
disfranchisement
disfranchisements
disfranchises
disfranchising
disfrock
disfrocked
disfrocking
disfrocks
disgorge
disgorged
disgorges
disgorging
disgrace
disgraced
disgraceful
disgracefully
disgraces
disgracing
disguise
disguised
disguises
disguising
disgust
disgusted
disgustedly
disgusting
disgustingly
disgusts
dish
disharmonies
disharmonious
disharmony
dishcloth
dishcloths
dishearten
disheartened
dischargetning
discharets
dished
dishelm
dishelmed
dishelming
dishelms
disherit
disherited
disheriting
disherits
dishes
dishevel
disheveled
disheveling
dishevelled
dishevelling
dishevels
dishful
dishfuls
dishier
dishiest
dishing
dishlike
dishonest
dishonesties
dishonestly
dishonesty
dishonor
dishonorable
dishonorably
dishonored
dishonoring
dishonors
dishpan
dishpans
dishrag
dishrags
dishware
dishwares
dishwasher
dishwashers
dishwater
dishwaters
dishy
disillusion
disillusioned
disillusioning
disillusionment
disillusionments
disillusions
disinclination
disinclinations
disinclined
disinclines
disinclining
disinfect
disinfectant
disinfectants
disinfecting
disinfection
disinfections
disinfects
disinhibit
disinherited
disinheriting
disinherits
disintegrate
disintegrated
disintegrates
disintegrating
disintegration
disintegrations
disinter
disinterested
disinterestedness
disinterestednesses
disinterred
disinterring
disinters
disject
disjected
disjecting
disjects
disjoin
disjoined
disjoining
disjoins
disjoint
disjointed
disjointing
disjoints
disjunct
dispreading
dispreads
disprize
disprized
disprizes
disprizing
disproof
disproofs
disproportion
disproportionate
disproportions
disprove
disproved
disproves
disproving
disputable
disputably
disputation
disputations
dispute
disputed
disputer
disputers
disputes
disputing
disqualification
disqualifications
disqualified
disqualifies
disqualify
disqualifying
disquiet
disquieted
disquieting
disquiets
disrate
disrated
disrates
disrating
disregard
disregarded
disregarding
disregards
disrepair
disrepairs
disreputable
disrepute
disreputes
disrespect
disrespectful
disrespects
disrobe
disrobed
disrober
disrobers
disrobes
disrobing
disroot
disrooted
disrooting
disroots
disrupt
disrupted
disrupting
disruption
disruptions
disruptive
disrupts
dissatisfaction
dissatisfactions
dissatisfies
dissatisfy
dissave
dissaved
dissaves
dissaving
diseat
diseated
diseating
diseats
dissect
dissected
dissecting
dissection
dissections
dissects
disseise
disseised
disseises
disseising
disseize
disseized
disseizes
disseizing
dissemble
dissembled
dissembler
dissemblers
dissembles
dissembling
disseminate
disseminated
disseminates
disseminating
dissemination
dissent
dissented
dissenter
dissenters
dissentent
dissentents
dissenting
dissention
dissentions
dissents
dissert
dissertation
dissertations
disserted
disserting
disserts
disserve
disser
disserved
disserves
disservice
disserving
dissever
dissoever
dissoevering
dissevers
dissidence
dissidences
dissident
dissidents
dissimilar
dissimilarities
dissimilarity
dissipate
dissipated
dissipates
dissipating
dissipation
dissipations
dissociate
dissociated
dissociates
dissociating
dissociation
dissociations
dissolute
dissolution
dissolutions
dissolve
dissolved
dissolves
dissolving
dissonance
dissonances
dissonant
dissuade
dissuaded
dissuades
dissuading
dissuasion
dissuasions
distaff
distaffs
distain
distained
distaining
distains
distal
distally
distance
distanced
distances
distancing
distant
distaste
distasted
distasteful
distastes
distasting
distaves
distemper
distempers
distend
distended
distending
distends
distension
distensions
disunity
disuse
disused
disuses
disusing
disvalue
disvalued
disvalues
disvaluing
disyoke
disyoked
disyokes
disyoking
dit
dita
ditas
ditch
ditched
ditcher
ditchers
ditches
ditching
dite
dites
ditheism
ditheisms
ditheist
ditheists
dither
dithered
dithering
dithers
dithery
dithiol
dits
dittanies
dittany
ditties
ditto
dittoed
dittoing
dittos
ditty
diureseses
diuresis
diuretic
diuretics
diurnal
divides
dividing
dividual
divination
divinations
divine
divined
divinely
diviner
diviners
divines
divinest
diving
divining
divinise
divinised
divinises
divinising
divinities
divinity
divinize
divinized
divinizes
divinizing
divisibilities
divisibility
divisible
division
divisional
divisions
divisive
divisor
divisors
divorce
divorced
divorcee
divorcees
divorcer
divorcers
divorces
divorcing
divot
divots
divulge
divulged
divulger
divulgers
divulges
doblon
doblones
doblons
dobra
dobras
dobson
dobsons
doby
doc
docent
docents
docetic
docile
docilely
docilities
docility
dock
dockage
dockages
docked
docker
dockers
docket
docketed
docketing
dockets
dockhand
dockhands
docking
dockland
docklands
docks
dockside
docksides
dockworker
dockworkers
dockyard
dockyards
docs
doctor
doctoral
doctored
doctoring
doctors
doctonal
document
documentaries
documentary
documentation
documentations
documented
documenter
documenters
documenting
documents
dodder
doddered
dodderer
dodderers
doddering
dodders
dodder
dodderies
dodgers
dodgy
dodgers
dodging
dodger
dodgeries
dog
dog

dogbanes
dogberries
dogberry
dogcart
dogcarts
dogcatcher
dogcatchers
dogdom
dogdoms
doge
dogedom
dogedoms
doges
dogeship
dogships
dogey
dogeys
dogface
dogfaces
dogfight
dogfighting
dogfights
dogfish
dogfishes
dogfought
dogged
doggedly
dogger
doggerel
doggerels
doggeries
doggers
doggery
doggie
doggier
doggies
doggiest
dogging
doggish
doggo
doggone
doggoned
doggoneder
doggonedest
doggoner
doggones
doggonest
doggoning
dormers
dormice
dormie
dormient
dornin
dormins
dormitories
dormitory
dormouse
dorms
dormy
dorneck
dornecks
dornick
dornicks
dornock
dornocks
dorp
dorper
dopers
dorps
dorr
dorrs
dors
dorsa
dorsad
dorsal
dorsally
dorsals
dorser
dorsers
dorum
dorty
dory
dos
dosage
dosages
dose
dosed
doser
dosers
doses
dosimetry
dosing
doss
dossal
dossals
dossed
dotty
doty
double
doublecross
doublecrossed
doublecrosses
doublecrossing
doubled
doubler
doubler
doubles
doublet
doublets
doubling
doubleloon
doubleoons
doubleure
doubleures
doubly
doubt
doubted
doubter
doubters
doubtful
doubtfully
doubting
doubtless
doubts
douce
doucely
douceur
douceurs
douche
douched
douches
douching
dough
doughboy
doughboys
doughier
doughiest
doughnut
doughnuts
doughs
dought
doughtier
doughtiest
doughty
doughy
douma
doumas
dour
doura
dourah
dourahs
douras
dourer
dourest
dourine
dourines
dourly
dourness
dournesses
douse
doused
douser
dusers
douses
dousing
douzeper
douzepers
dove
dovecot
dovecote
dovecotes
dovecots
dovekey
dovekeys
dovekie
dovekies
dovelike
doven
dovened
dovening
dovens
doves
dovetail
dovetailed
dovetailing
dovetails
dovish
dow
dowable
dowager
dowagers
dowdier
dowdies
dowdiest
dowdily
dowdy
dowdyish
dowed
dowel
doweled
doweling
dowelled
dowelling
dowels
dower
dowered
doweries
dowering
dowers
dowery
dowie
dowing
down
downbeat
downbeats
downcast
downcasts
downcome
downcomes
downed
downer
downers
downfall
downfallen
downfalls
downgrade
downgraded
downgrades
downgrading
downhaul
downhauls
downhearted
downhill
downhills
downier
downiest
downing
downplay
downplayed
downplaying
downplays
downpour
downpours
downright
downs
downstairs
downtime
downtimes
downtown
downtowns
downtowned
downturn
downturns
downward
downwards
downwind
downy
dowries
dowry
dows
dowsabel
dowsabels
dowse
dowsed
dowser
dowsers
dowses
dowsing
doxie
doxies
doxologies
doxology
doxorubicin
doxy
doyen
doyenne
doyennes
doyens
doyley
doyleys
doylies
doyly
doze
dozed
dozen
dozened
dozening
dozens
dozenth
dozenths
dozer
dozers
dozes
dozier
doziest
dozily
doziness
dozinesses
dozing
dozy
drab
drabbed
drabber
drabbest
drabbet
drabbets
drabbing
drabble
drabbled
drabbles
drabbling
drably
drabness
drabnesses
drabs
dracaena
dracaenas
drachm
drachma
drachmae
drachmai
drachmas
drachms
draconic
draff
draffier
draffiest
draffish
draffs
draffy
draft
drafted
draftee
draftees
drafter
drainages
drained
drainer
drainers
draining
drainpipe
drainpipes
drains
drake
drakes
dram
drama
dramas
dramatic
dramatically
dramatist
dramatists
dramatization
dramatizations
dramatize
drammed
dramming
drammock
drammocks
drams
dramshop
dramshops
drank
drapable
drape
draped
draper
draperies
drapers
drapery
drapes
draping
drastic
drastically
drat
drats
dratted
dratting
draught
draughted
draughtier
draughtiest
draughting
drifters
driftier
driftiest
drifting
driftpin
driftpins
drifts
driftwood
driftwoods
drifty
drill
drilled
driller
drillers
drilling
drillings
drills
drily
drink
drinkable
drinker
drinkers
drinking
drinks
drip
dripless
dripped
dripper
drippers
drippier
drippiest
dripping
drippings
drippier
drips
dript
drivable
drive
drivel
driveled
driveler
driver
driver

driven

drivels

driver

Open Source Used In CSPC_Collector 2.9.1 23016
drivers
drives
driveway
driveways
driving
drizzle
drizzled
drizzles
drizzlier
drizzliest
drizzling
drizzly
drogue
drogues
droit
droits
droll
drolled
droller
drolleries
drollery
drolley
drollest
drolling
drolls
drolly
dromedaries
dromedary
dromon
dromond
dromonds
dromons
drone
droned
droner
droners
drones
drongo
drongos
droning
dronish
drool
drooled
drooling
drools
droop
drooped
droopier
droopiest
droopily
drooping
droops
droopy
drop
drophead
dropheads
dropkick
dropkicks
droplet
droplets
dropout
dropouts
dropped
dropper
droppers
dropping
droppings
drops
dropshot
dropshots
dropsied
dropsies
dropsy
dropt
dropwort
dropworts
drosera
droseras
droshkies
droshky
droskies
drosky
dross
drosses
drossier
drossiest
drossy
drought
droughtier
droughtiest
droughts
droughty
drouk
drouked
drouking
drouks
drouch
drouthier
drouthiest
drouths
drouthy
drove
droved
drover
drovers
droves
droving
drown
drown'd
drown'ded
drown'ding
drown'ds
drowned
drowner
drowners
drowning
drows
drowse
drowsed
drowses
drowsier
drowsi'est
drowsi'ly
drowsing
drowsy
drub
drubbed
drubber
drubbers
drubble
drubbings
drubs
drudge
drugged
drudger
drudgeries
drudgers
drudgery
druges
drudging
drug
duggage
duggage
duggage
duggage
duggage
druggist
druggists
drugs
drugstore
drugstores
druid
druidess
druidesses
druidic
druidism
druidisms
druids
drum
drumbeat
drumbeats
drumble
drumbled
drumbles
drumbling
drumfire
drumfires
drumfish
drumfishes
drumhead
drumheads
drumlier
drumliest
drumlike
drumlin
drumlins
drumly
drummed
drummer
drummers
drumming
drumroll
drumrolls
drums
drumstick
drumsticks
drunk
drunkard
drunkards
drunken
drunkenly
drunkenness
drunkennesses
drunker
dunkest
drinks
drupe
drupelet
drupelets
drupes
druse
druses
druthers
dry
dryable
dryad
dryades
dryadic
dryads
dryer
dryers
dryest
drying
drylot
drylots
dryly
dryness
drynesses
drypoint
drypoints
drys
duad
duads
dual
dualism
dualisms
dualist
dualists
dualities
duality
dualize
dualized
dualizes
dualizing
dually
duals
dub
dubbed
dubber
dubbers
dubbin
dubbing
dullest
dulling
dullish
dullness
dullnesses
dulls
dully
dulness
dulnesses
dulse
dulses
duly
duma
dumas
dumb
dumbbell
dumbbells
dumbed
dumber
dumbest
dumbfound
dumbfounded
dumbfounding
dumbfounds
dumbing
dumbly
dumbness
dumbnesses
dumbs
dumdum
dumdums
dumfound
dumfounded
dumfounding
dumfounds
dumka
dumky
dummied
dummies
dummkopf
dummkopfs
dummy
dummying
dump
dumpcart
dumpcarts
dumped
dumper
dumpers  
dumper  
dumpier  
dumpiest  
dumpily  
dumping  
dumpings  
dumpish  
dumpling  
dumpings  
dumps  
dumpy  
dun  
dunce  
dunes  
dunch  
dunches  
duncical  
duncish  
dune  
duneland  
dunelands  
dunelike  
dunes  
dung  
dungaree  
dungarees  
dunged  
dungeon  
dungeons  
dunghill  
dunghills  
dungier  
dungiest  
dunging  
dungs  
dungy  
dunite  
dunites  
dunitic  
dunk  
dunked  
dunker  
dunkers  
dunking  
dunks  
dunlin  
dunlins  
dunnage
duplexes
duplexing
duplicate
duplicated
duplicates
duplicating
duplication
duplications
duplicator
duplicators
duplicity
duped
dupping
dups
dura
durabilities
durability
durable
durables
durably
dural
duramen
duramens
durance
durances
duras
duration
durations
durative
duratives
durbar
durbars
dure
dured
dures
duress
duresses
durian
durians
during
durion
durions
durmast
durmasts
durn
durndest
durned
durneder
dutchman
dutchmen
duteous
dutiable
duties
dutiful
duty
duumvir
duumviri
duumvirs
duvetine
duvetines
duvetyn
duvetyne
duvetynes
duvetyns
dwarf
dwarfed
dwarfed
dwarfest
dwarfing
dwarfish
dwarfism
dwarfisms
dwarfs
dwarves
dwell
dwelled
dweller
dwellers
dwelling
dwellings
dwells
dwelt
dwindle
dwindled
dwindles
dwindling
dwine
dwined
dwines
dwining
dyable
dyad
dyadic
dyadics
dyads
dyarchic
dyarchies
dyarchy
dybbuk
dybbukim
dybbuks
dye
dyeable
dyed
dyeing
dyeings
dyer
dyers
dyes
dyestuff
dyestuffs
dyeweed
dyeweeds
dyewood
dyewoods
dying
dyings
dyke
dyked
dyker
dykes
dyking
dynamic
dynamics
dynamism
dynamisms
dynamist
dynamists
dynamite
dynamited
dynamites
dynamiting
dynamo
dynamics
dynast
dynastic
dynasties
dynasts
dynasty
dynatron
dynatrons
dyne
dynes
dynode
dynodes
dysautonomia
dysenteries
dysentery
dysfunction
dysfunctions
dysgenic
dyslexia
dyslexias
dyslexic
dyspepsia
dyspepsias
dyspepsies
dyspepsy
dyspeptic
dysphagia
dyspnea
dyspeale

dyspneas
dyspneic
dyspneoa
dyspneases

dyspnoic
dystaxia
dystaxias
dystocia
dystocias
dystonia
dystonias
dystopia
dystopias
dystrophies
dystrophy
dysuria
dysurias
dysuric
dyvour
dyvours
each

eager
eagerer
eagerest

eagerly

eagerness
eagernesses

eagers

eagle

eagles
earthworm
earworms
earthy
earwax
earwaxes
earwig
earwigged
earwigging
earwigs
earworm
earworms
ease
eased
easeful
easel
easels
easement
easements
eases
easier
easies
easiest
easily
easiness
easinesses
easing
east
easter
easterlies
easterly
eastern
easters
eastings
easts
eastward
eastwards
easy
easygoing
eat
eatable
eatables
eaten
eater
eateries
eaters
eatery
eath
ecclesiastical
ecclesiastics
eccrine
ecdyse
ecdysial
ecdysis
ecdyson
ecdysone
ecdysones
ecdysons
eecsis
eseises
echard
echards
ece
echad
echelon
echeloned
echeloning
echelons
eches
echidna
echidnae
echidnas
echinate
eching
echini
echinoid
echinoids
echinus
echo
echoed
echoer
echoers
echoes
echoey
echoic
echoing
echoism
echoisms
echoless
eclear
ectlairs
eclat
eclats
eclectic
eclectics
eclipse
eclipsed
eclipses
eclipsing
eclipsis
eclipsises
ecliptic
ecliptics
eclogite
eclogites
eclogue
eclogues
eclosion
eclusions
ecole
ecoles
ecologic
ecological
ecologically
ecologies
ecologist
ecologists
ecology
economic
economical
economically
economics
economies
economist
economists
economize
economized
economizes
economizing
economy
ecotonal
ecotone
ecotones
ecotype
ecotypes
ecotypic
ecraseur
ecraseurs
ebru
ecrus
ecstasies
ecstasy
ecstatic
ecstatically
ecstatics
ectases
ectasis
ectatic
ecthyma
ecthymata
ectoderm
ectoderms
ectomere
ectomeres
ectopia
ectopias
ectopic
ectosarc
ectosarcs
ectozoan
ectozoans
ectozoan
ectopal
ectype
ectypes
ecu
ecumenic
ecus
eczema
eczemas
edacious
edacities
edacity
edaphic
eddied
eddies
eddo
eddoes
eddy
eddyning
edelstein
edema
edemas
edemata
edentate
edentates
edge
edged
edgeless
edger
edgers
effacement
effacements
effacer
effacers
effaces
effacing
effect
effected
efector
effecters
effecting
effective
effectively
effectiveness
efector
effectors
effects
effectual
effectually
effectualness
effectualnesses
effeminacies
effeminacy
effeminate
efendi
effendis
efferent
efferents
efference
efferences
effervesced
effervescence
effervescences
effervescent
effervescently
effervesces
effervescing
efete
efetely
efficacies
efficacious
efficacy
efficiencies
efficiency
efficient
efficiently
effigies
effigy
effluent
effluents
effluvia
efflux
effluxes
effort
effortless
effortlessly
efforts
effrontery
effs
effulge
effulged
effulges
effuling
effuse
effusing
effusion
effusions
effusive
effusively
efs
eft
efts
eftsoon
eftsoons
egad
egads
egal
egalite
egalites
eger
egers
egest
egesta
egested
egesting
egestion
egestions
egestive
egests
egg
egggar
eggars
eggcup
eggcups
egged
egger
eggers
egghead
eggheads
egging
eggnog
eggnogs
eggplant
eggplants
eggs
eggshell
eggshells
egis
egises
eglatere
eglateres
ego
egoism
egoisms
egoist
egoistic
egoists
egomania
egomanias
egos
egotism
egotisms
egotist
egotistic
egotistical
egotistically
egotists
egregious
egregiously
egress
egressed
egresses
egressing
egret
egrets
eh
eide
eider
eiderdown
eiderdowns
eiders
eidetic
eidola
eidolon
eidolons
eidos
eight
eighteen
eighteens
eighteenth
eighteenths
eighth
eighthly
eighths
eighties
eightieth
eightieths
eights
eightvo
eightvos
eighty
eikon
eikones
eikons
einkorn
einkorns
eirenic
either
ejaculate
ejaculated
ejaculates
ejaculating
ejaculation
ejaculations
eject
ejecta
ejected
ejecting
ejection
ejections
ejective
ejectives
ejector
ejectors
jects
ekte
eked
ekes
eking
ekistic
ekistics
elegy
element
elemental
elementary
elements
elemi
elemis
elench
elenchic
elenchus
elenctic
elephant
elephants
elevate
elevated
elevates
elevating
elevation
elevations
elevator
elevators
eleven
elevens
eleventh
eleventh
eleventh
eleven
eleven
elf
elfin
elfins
elfish
elfishly
elflock
elflocks
elhi
elicit
elicited
eliciting
elicitor
elicitors
elicits
elide
elided
elides
elidible
eliding
eligibilities
eligibility
eligible
eligibles
eligibly
eliminate
eliminated
eliminates
eliminating
elimination
eliminations
elision
elisions
elite
elites
elitism
elitisms
elitist
elitists
elixir
elixirs
elk
elkhound
elkhounds
elks
ell
ellipse
ellipses
ellipsis
elliptic
elliptical
ells
elm
elmier
elmiest
elms
elmy
elocution
elocutions
elodea
elodeas
eloign
eloigned
eloigner
eloigners
eloigning
eloigns
eloined
eloiner
eloiners
eloining
eloins
elongate
elongated
elongates
elongating
elongation
elongations
elope
eloped
eloper
elopers
elopes
eloping
eloquent
eloquently
els
else
elsewhere
eluant
eluants
eluates
elucidate
elucidated
elucidates
elucidating
elucidation
elucidations
elude
eluded
eluder
eluders
eludes
eluding
eluent
eluents
elusion
elusions
elusive
elsively
elusiveness
elusivenesses
elusory
elute
eluted
elutes
emasculated
emasculates
emasculating
embalm
embalmed
embalmer
embalmers
embalming
embalms
embank
embanked
embanking
embankment
embankments
embanks
embar
embargo
embargoed
embargoing
embargos
embark
embarkation
embarkations
embarked
embarking
embarks
embarrass
embarrassed
embarrasses
embarrassing
embarrassment
embarrassments
embarred
embarring
embars
embassies
embassy
embattle
embattled
embattles
embattling
embay
embayed
embaying
embays
embed
embedded
embedding
emboli
embolic
embolies
embolism
embolisms
embolus
emboly
emborder
embordered
embordering
emborders
embosk
embosked
embosking
embosks
embosom
embosomed
embosoming
embosoms
emboss
embossed
embosser
embossers
embosses
embossing
embow
embowed
embowel
emboweled
emboweling
embowelled
embowelling
embowels
embower
embowered
embowering
embowers
embowing
embows
embrace
embraced
embracer
embracers
embraces
embracing
embroider
embroidered
embroidering
emergence
emergences
emergencies
emergency
emergent
emergents
emerges
emerging
emeris
emerita
emeriti
emeritus
emerod
emerods
emeroid
emeroids
emersed
emersion
emersions
emery
emes
emeses
emesis
metic
metics
emetin
emetine
emetines
emetins
emeu
emeus
emeute
emeutes
emigrant
emigrants
emigrate
emigrated
emigrates
emigrating
emigration
emigrations
emigre
emigres
eminence
eminences
eminencies
eminency
eminent
eminently
emir
emirate
emirates
emirs
emissaries
emissary
emission
emissions
emissive
emit
emits
emitted
emitter
emitters
emitting
emmer
emmers
emmet
emmets
emodin
emodins
emolument
emoluments
emote
emoted
emoter
emoters
emotes
emoting
emotion
emotional
emotionally
emotions
emotive
empale
empaled
empaler
empalers
empales
empaling
empanel
empaneled
empaneling
empanelled
empanelling
empanels
empathic
empathies
empathy
emperies
emperor
emperors
empery
emphases
emphasis
emphasize
emphasized
emphasizes
emphasizing
emphatic
emphatically
emphysema
emphysemas
empire
empires
 empiric
empirical
empirically
empirics
emplace
emplaced
emplaces
emplacing
emplane
emplaned
emplanes
emplaning
employ
employe
employed
employee
employees
employer
employers
employes
employing
employment
employments
employs
empoison
empoisoned
empoisoning
empoisons
emporia
emporium
emporiums
empower
empowered
empowering
empowers
empress
empresses
emprise
embrises
emprize
emprizes
emptied
emptier
emptiers
empties
emptiest
emptily
emptiness
emptinesses
emptings
emptins
empty
emptying
empurple
empurpled
empurples
empurpling
empyema
empyemas
empyemata
empyemic
empyreal
empyrean
empyreans
ems
emu
emulate
emulated
emulates
emulating
emulation
emulations
emulator
emulators
emulous
emulsification
emulsifications
emulsified
enchases
enchasing
enchoric
encina
encinal
encinas
encipher
enciphered
enciphering
encipherers
encircle
encircled
encircles
encircling
enclasp
enclasped
enclasping
enclasps
enclave
enclaves
enclitic
enclitics
enclose
enclosed
encloser
enclosers
encloses
enclosing
enclosure
enclosures
encode
encoded
encoder
encoders
encodes
encoding
encomia
encomium
encomiums
encompass
encompassed
encompasses
encompassing
encore
encored
encores
encoring
encounter
enfetter
enfettered
enfettering
enfetters
enfever
enfevered
enfevering
enfevers
enfilade
enfiladed
enfilades
enfilading
enfin
enflame
enflamed
enflames
enflaming
enfold
enfolded
enfolder
enfolders
enfolding
enfolds
enforce
enforceable
enforced
enforcement
enforcements
enforcer
enforcers
enforces
enforcing
enframe
enframed
enframes
enframing
enfranchise
enfranchised
enfranchised
enfranchisement
enfranchisements
enfranchises
enfranchising
eng
engage
engaged
engagement
engagements
engager
engagers
engages
engaging
engender
engendered
engendering
engenders
engild
engilded
engilding
engilds
engine
engined
engineer
engineered
engineering
engineerings
engineers
engineeries
enginery
engines
engining
enginous
engird
engirded
engirding
engirdle
engirdled
engirdles
engirdling
engirds
engirt
english
englished
englishes
englishing
englut
engluts
englutted
englutting
engorge
engorged
engorges
engorging
engraft
engrafted
engrafting
engrafts
engrail
engrailed
engrailing
engrails
engrain
engrained
engraining
engrains
engram
engramme
engrammes
engrams
engrave
engraved
engraver
engravers
engraves
engraving
engravings
engross
engrossed
engrosses
engrossing
engs
engulf
engulfed
engulfing
engulfs
enhalo
enhaloed
enhaloes
enhaloing
enhance
enhanced
enhancement
enhancements
enhancer
enhancers
enhances
enhancing
eniac
enigma
enigmas
enigmata
enigmatic
enisle
enisled
enisles
enlists
enliven
enlivened
enlivening
enlivens
enmesh
enmeshed
enmeshes
enmeshing
enmities
enmity
ennead
enneadic
enneads
enneagon
enneagons
ennoble
ennobled
ennobler
ennoblers
ennobles
ennobling
ennui
ennuis
ennuye
ennuyee
enol
enolase
enolases
enolic
enologies
enology
enols
enorm
enormities
enormity
enormous
enormously
enormousness
enormousnesses
enosis
enosises
enough
enoughs
enounce
enounced
enounces
enouncing
enthralled
enthraling
enthrellas
enthrels
enthrone
enthroned
enthrones
enthroning
enthuse
enthused
enthuses
enthusiasm
enthusiast
enthusiastic
enthusiastically
enthusiasts
enthusing
entia
entice
enticed
enticement
enticements
enticer
enticers
entices
enticing
entire
entirely
entires
entireties
entirety
entities
entitle
entitled
entitles
entitling
entity
entoderm
entoderms
entoil
entoiled
entoiing
entoils
entomb
entombed
entombing
entombs
entomological
entomologies
entomologist
entomologists
entomology
entopic
entourage
entourages
entozoa
entozoaal
entozoan
entozoans
entozoic
entozooon
entrails
entrain
entrained
entraining
entrains
entrance
entranced
entrances
entrancing
entrant
entrants
entrap
entrapment
entrapments
entrapped
entrapping
entraps
entreat
entreated
entreaties
entreating
entreats
entreaty
entree
entrees
entrench
entrenched
entrenches
entrenching
entrenchment
entrenchments
entrepot
entrepots
entrepreneur
entrepreneurs
epicycles
epidemic
epidemics
epidemiology
epiderm
epidermis
epidermises
epiderms
epidote
epidotes
epidotic
epidural
epifauna
epifaunae
epifaunas
epifocal
epigal
epigean
epigene
epigenic
epigeous
epigon
epigone
epigones
epigoni
epigonic
epigons
epignon
epigonus
epigram
epigrammatic
epigrams
epigraph
epigraphs
epigynies
epigyny
epilepsies
epilepsy
epileptic
epileptics
epilog
epilogs
epilogue
epilogued
epilogues
epiloguing
epimer
epimere
epimeres
epimeric
epimers
epimysia
epinaoi
epinaos
epinasties
epinasty
epiphany
epiphyte
epiphytes
episcia
episcias
episcopal
episcope
episcopes
episode
episodes
episodic
episomal
episome
episomes
epistasies
epistasy
epistaxis
epistle
epistler
epistlers
epistles
epistytle
epistyles
epitaph
epitaphs
epitases
epitasis
epitaxies
epitaxy
epithet
epithets
epitome
epitomes
epitomic
epitomize
epitomized
epitomizes
epitomizing
epizoa
epizoic
equalizing
equalled
equalling
equally
equals
equanimities
equanimity
equate
equated
equates
equating
equation
equations
equator
equatorial
equators
equeries
eqerry
equestrian
equestrians
equilateral
equilibrium
equine
equinely
equines
equinities
equinity
equinox
equinoxes
equip
equipage
equipages
equipment
equipments
equipped
equipper
equippers
equipping
equips
equiseta
equitable
equitant
equites
equities
equity
equivalence
equivalences
equivalents
erelong
eremite
eremites
eremitic
eremuri
eremurus
erelow
erepsin
erepsins
erethic
erethism
erethisms
erewhile
erg
ergastic
ergate
ergates
ergo
ergodic
ergot
ergotic
ergotism
ergotisms
ergots
erics
ericad
ericads
ericoid
erigeron
erigerons
erigo
eringoes
eringos
eristic
eristics
erliking
erlikings
ermine
ermined
ermines
ern
erne
ernes
erns
erode
eroded
erodes
erodible
eroding
erogenic
eros
erose
erosely
eroses
erosible
erosion
erosions
erusive
erotic
erotica
erotical
erotically
erotics
erotism
erotisms
er
errancies
errancy
errand
errands
errant
errantly
errantries
errantry
errants
errata
erratas
erratic
erratically
erratum
erred
errhine
errhines
erring
erringly
erroneous
erroneously
error
errors
errs
ers
ersatz
ersatzes
erses
erst
erstwhile
eruct
eructate
eructated
eructates
eructating
eructed
eructing
eructs
erudite
erudition
eruditions
erugo
erugos
erumpent
erupt
erupted
erupting
eruption
eruptions
eruptive
eruptives
erupts
ervil
ervils
eryngo
eryngoes
eryngos
erythema
erythemas
erythematous
erythrocytosis
erythron
erythrons
es
escalade
escaladed
escalades
escalading
escalate
escalated
escalates
escalating
escalation
escalations
escalator
escalators
escallop
espouse
espoused
espouser
espousers
espouses
espousing
espresso
expressos
esprit
esprits
espy
espying
esquire
esquired
esquires
esquiring
ess
essay
essayedi
essayer
essayers
essayli
essayist
essayists
essays
essence
essences
essential
essentially
esses
esson
essoins
essonite
essonites
establish
establishedi
established
establishes
establishing
establishment
establishments
estancia
estancias
estate
estated
estates
estating
esteem
esteemed
ethicizing
ethics
ethynyl
ethynyls
ethion
ethions
ethmoid
ethmoids
ethnarch
ethnarchs
ethnic
ethnical
ethnicities
ethnicity
ethnics
ethnologic
ethnological
ethnologies
ethnology
ethnos
ethnoses
ethologies
ethology
ethos
ethoses
ethoxy
ethoxyl
ethoxyls
eths
ethyl
ethylate
ethylated
ethylates
ethylating
ethylene
ethylenes
ethylic
ethyls
ethyne
ethynes
ethynyl
ethynyls
etiolate
etiolated
etiolates
etiolating
etiologies
etiology
eulachans
eulachon
eulachons
eulogia
eulogiae
eulogias
eulogies
eulogise
eulogised
eulogises
eulogising
eulogist
eulogistic
eulogists
eulogium
eulogiums
eulogize
eulogized
eulogizes
eulogizing
eulogy
eunuch
eunuchs
euonymus
euonymuses
eupatrid
eupatridae
eupatrids
eupepsia
eupepsias
eupepsies
eupepsy
eupeptic
euphemism
euphemisms
euphemistic
euphenic
euphonic
euphonies
euphonious
euphony
euphoria
euphorias
euphoric
euphotic
euphrasies
euphrasy
euphroe
evacuees
evadable
evade
evaded
evader
evaders
evades
evadible
evading
evaluable
evaluate
evaluated
evaluates
evaluating
evaluation
evaluations
evaluator
evaluators
evanesce
evanesced
evanesces
evanescing
evangel
evangelical
evangelism
evangelisms
evangelist
evangelistic
evangelists
evangel
evanish
evanished
evanishes
vanishing
evaporate
evaporated
evaporates
evaporating
evaporation
evaporations
evaporative
evaporator
evaporators
evasion
evasions
evasive
evасiveness
evasivenesses
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>evocative</td>
<td>evocator</td>
<td>evocators</td>
<td>evoke</td>
<td>evoked</td>
<td>evoker</td>
<td>evokers</td>
<td>evokes</td>
<td>evoking</td>
<td>evolute</td>
<td>evolutes</td>
<td>evolution</td>
<td>evolutionary</td>
<td>evolutions</td>
<td>evolve</td>
<td>evolved</td>
<td>evolver</td>
<td>evolvers</td>
<td>evolves</td>
<td>evolving</td>
<td>evonymus</td>
<td>evonymuses</td>
<td>evulsion</td>
<td>evulsions</td>
<td>evzone</td>
<td>evzones</td>
</tr>
<tr>
<td>ewe</td>
<td>ewer</td>
<td>ewers</td>
<td>ex</td>
<td>exacerbate</td>
<td>exacerbated</td>
<td>exacerbates</td>
<td>exacerbating</td>
<td>exact</td>
<td>exacta</td>
<td>exactas</td>
<td>exacted</td>
<td>exacter</td>
<td>exacters</td>
<td>exactest</td>
<td>exacting</td>
<td>exaction</td>
<td>exactions</td>
<td>exactitude</td>
<td>exactitudes</td>
<td>exactly</td>
<td>exactitude</td>
<td>exaction</td>
<td>exactions</td>
<td>exactitude</td>
<td>exactitudes</td>
</tr>
</tbody>
</table>

Open Source Used In CSPC_Collector 2.9.1 23104
exactness
exactnesses
exactor
exactors
exacts
exaggerate
exaggerated
exaggeratedly
exaggerates
exaggerating
exaggeration
exaggerations
exaggerator
exaggerators
exalt
exaltation
exaltations
exalted
exalter
exalters
exalting
exalts
exam
examen
examens
examination
examinations
examine
examined
examinee
examinees
examiner
examiners
examines
examining
example
exampled
examples
exampling
exams
exanthem
exanthems
exarch
exarchal
exarchies
exarchs
exarchy
exasperate
exasperated
exasperates
exasperating
exasperation
exasperations
excavate
excavated
excavates
excavating
excavation
excavations
excavator
excavators
exceed
exceeded
exceeder
exceeders
exceeding
exceedingly
exceeds
excel
excelled
excellence
excellences
excellency
excellent
excellently
excelling
excels
except
excepted
excepting
exception
exceptional
exceptionally
exceptions
excepts
excerpt
excerpted
excerpting
extracts
excess
excesses
excessive
excessively
exchange
exchangeable
exchanged
exchanges
exchanging
excide
excided
excides
exciding
exciple
exciples
excise
excised
excises
excising
excision
excisions
excitabilities
excitability
excitant
excitants
excitation
excitations
excite
excited
excitedly
excitement
excitements
exciter
exciters
excites
exciting
exciton
excitons
excitor
excitors
exclaim
exclaimed
exclaiming
exclaims
exclamation
exclamations
exclamatory
exclave
exclaves
exclude
excluded
excluder
excluders
excludes
excluding
exclusion
exclusions
exclusive
exclusively
exclusiveness
exclusivenesses
excommunicate
excommunicated
excommunicates
excommunicating
excommunication
excommunications
excrement
excremental
excrements
excreta
excretal
excrete
excreted
excreter
excreters
excretes
excreting
excretion
excretions
excretory
excruciating
excruciatingly
exculpate
exculpated
exculpates
exculpating
excursion
excursions
excuse
excused
excuser
excusers
excuses
excusing
exeat
exec
execrate
execrated
execrates
execrating
execs
executable
execute
executed
executer
executers
executes
executing
execution
executioner
executioners
executions
executive
executives
executor
executors
executrix
executrixes
exedra
exedrae
exegeses
exegesis
exegete
exegetes
exegetic
exempla
exemplars
exemplary
exemplification
exemplifications
exemplified
exemplifies
exemplify
exemplifying
exemplum
exempt
exempted
exempting
exemption
exemptions
exempts
exequial
exequies
exequy
exercise
exercised
exerciser
exercises
exercising
exergual
exergue
exergues
exert
exerted
exerting
exertion
exertions
exertive
exerts
exes
exhalant
exhalants
exhalation
exhalations
exhale
exhaled
exhalent
exhalents
exhales
exhaling
exhaust
exhausted
exhausting
exhaustion
exhaustions
exhaustive
exhausts
exhibit
exhibited
exhibiting
exhibition
exhibitions
exhibitor
exhibitors
exhibits
exhilarate
exhilarated
exhilarates
exhilarating
exhilaration
exhilarations
exhort
exhortation
exhortations
exhorted
exhorter
exhorters
exhorting
exhorts
exhumation
exhumations
exhume
exhumed
exhuming
exhumer
exhumers
exhumes
exhuming
exigence
exigences
exigencies
exigency
exigent
exigible
exiguities
exiguity
exiguous
exile
exiled
exiles
exilian
exilic
exiling
eximious
exine
exines
exist
existed
existence
existences
existent
existents
existing
exists
exit
exited
exiting
exits
exocarp
exocarps
exocrine
exocrines
exoderm
exoderms
exodoi
exodos
exodus
exoduses
exoergic
exogamic
exogamies
exogamy
exogen
exogens
exonerate
exonerated
exonerates
exonerating
exoneration
exoneration
exorable
exorbitant
exorcise
exorcised
exorcises
exorcising
exorcism
exorcisms
exorcist
exorcists
exorcize
exorcized
exorcizes
exorcizing
exordia
exordial
exordium
exordiums
exosmic
exosmose
exosmoses
exospore
exospores
exoteric
exotic
exotica
exotically
exoticism
exoticisms
exotics
exotism
exotisms
exotoxic
expelling
expels
expend
expended
expender
expenders
expendible
expending
expenditure
expenditures
expends
expense
expensed
expenses
expensing
expensive
expensively
experience
experiences
experiment
experimental
experimentation
experimentations
experimented
experimenter
experimenters
experimenting
experiments
expert
experted
experting
expertise
expertises
expertly
expertness
expertnesses
experts
expiable
expiate
expiated
expiates
expiating
expiation
expiations
expiator
expiators
expiration
expiration
expressionless
expressions
expressive
expressiveness
expressivenesses
expressly
expressway
expressways
expulse
expulsed
expulses
expulsing
expulsion
expulsions
expunge
expunged
expunger
expungers
expunges
expunging
expurgate
expurgated
expurgates
expurgating
expurgation
expurgations
exquisite
exscind
exscinded
exscinding
exscinds
exsecant
exsecants
exsect
exsected
exsecting
exsects
exsert
exserted
exserting
exserts
extant
extemporaneous
extemporaneously
extend
extended
extender
extenders
extendible
extending
extends
extension
extensions
extensive
extensively
extensor
extensors
extent
extents
extenuate
extenuated
extenuates
extenuating
extenuation
extenuations
exterior
exteriors
exterminate
exterminated
exterminates
exterminating
extermination
exterminations
exterminator
exterminators
extern
external
externally
externals
externe
externes
externs
extinct
extincted
extincting
extinction
extinctions
extincts
extinguish
extinguishable
extinguished
extinguisher
extinguishers
extinguishes
extinguishing
extirpate
extirpated
extirpates
extirpating
extol
extoll
extolled
extoller
extollers
extolling
extolls
extols
extort
extorted
extorter
extorters
extorting
extortion
extortioner
extortioners
extortionist
extortionists
extortions
extorts
extra
extracampus
extraclassroom
extracommunity
extraconstitutional
extracontinental
extract
extractable
extracted
extracting
extraction
extractions
extractor
extractors
extracts
extracurricular
extradepartmental
extradiocesan
extradite
extradited
extradites
extraditing
extradition
extraditions
extrados
extradoses
extrafamilial
extragalactic
extragovernmental
extrahuman
extralegal
extramarital
extranational
extraneous
extraordinarily
extraordinary
extraplanetary
extrapyramidal
extras
extrascholastic
extrasensory
extraterrestrial
extravagance
extravagances
extravagant
extravagantly
extravaganza
extravaganzas
extravasate
extravasated
extravasates
extravasating
extravasation
extravasations
extravehicular
extraversion
extraversions
extravert
extraverted
extraverts
extrema
extreme
extremely
extremer
extremes
extremest
extremities
extremity
extremum
extricable
extricate
extricated
extricates
extricating
extrication
extrications
extrorse
extrovert
extroverts
extrude
extruded
extruder
eextruders
extrudes
extruding
exuberance
exuberances
exuberant
exuberantly
exudate
exudates
exudation
exudations
exude
exuded
exudes
exuding
exult
exultant
exulted
exulting
exults
exurb
exurban
exurbia
exurbias
exurbs
exuvia
exuviae
exuvial
exuviate
exuviated
exuviates
exuviating
exuvium
eyas
eyases
eye
eyeable
eyeball
eyeballed
eyeballing
eyeballs
eyebeam
eyebeams
eyebolt
eyebolts
eyebrow
eyebrows
eyecup
eyecups
eyed
eyedness
eyednesses
eyedropper
eyedroppers
eyeful
eyefuls
eyeglass
eyeglasses
eyehole
eyeholes
eyehook
eyehooks
eyeing
eyelash
eyelashes
eyeless
eyelet
eyelets
eyeletted
eyeletting
eyelid
eyelids
eyelike
eyeliner
eyeliners
eyen
eyepiece
eyepieces
eyepoint
eyepoints
eyer
eyers
eyes
eyeshade
eyeshades
eyeshot
eyeshots
eyesight
eyesights
eyesome
eyesore
eyesores
eyespot
eyespots
eyestalk
eyestalks
eyestone
eyestones
eyestrain
eyestrains
eyeteeth
eyetooth
eyewash
eyewashes
eyewater
eyewaters
eyewink
eyewinks
eyewitness
eying
eyne
eyra
eyras
eyre
eyres
eyrie
eyries
eyrir
eyry
efa
fable
fabled
fabler
fablers
fables
fabliau
fabliaux
fabling
fabric
fabricate
fabricated
fabricates
fabricating
fabrication
fabrications
fabrics
fabular
fabulist
fabulists
fabulous
fabulously
facade
facades
face
faceable
faced
facedown
faceless
facelessness
facelessnesses
facer
facers
faces
facesheet
facesheets
facet
facete
faceted
facetely
facetiae
faceting
facetious
facetiously
facets
facetted
facetting
faceup
facia
facial
facially
facials
facias
faciend
faciends
facies
facile
facilely
facilitate
facilitated
facilitates
facilitating
faded
fadedly
fadeless
fader
faders
fades
fade
fadged
fadges
fadging
fading
fadings
fado
fados
fads
faecal
faeces
faena
faenas
faerie
faeries
faery
fag
fagged
fagging
fagot
faggoted
faggoting
faggots
fagin
fagins
fagot
fagoted
fagoter
fagoters
fagoting
fagotings
fagots
fags
fahlband
fahlbands
fahrenheit
faience
faiences
fail
failed
failing
failings
faille
failles
fails
failure
failures
fain
faineant
faineants
fainer
fainest
faint
fainted
fainter
fainters
faintest
fainthearted
fainting
faintish
faintly
faintness
faintnesses
faints
fair
faired
fairer
fairest
fairground
fairgrounds
fairies
fairing
fairings
fairish
fairlead
fairleads
fairly
fairness
fairnesses
fairs
fairway
fairways
fairy
fairyism
fairyisms
fairyland
fairylands
faith
faithed
faithful
faithfully
faithfulness
faithfulness
faithfuls
faithing
faithless
faithlessly
faithlessness
faithlessnesses
faiths
faitour
faitours
fake
faked
fakeer
fakeers
faker
fakeries
fakers
fakery
fakes
faking
fakir
fakirs
falbala
falbalas
falcate
falcated
falchion
falchions
falcon
falconer
falconers
falconet
falconets
falconries
falconry
falcons
falderal
falderals
falderol
falderols
fall
fallacies
fallacious
fallacy
fallal
fallals
fallback
fallbacks
fallen
faller
fallers
fallfish
fallfishes
fallible
fallibly
falling
falloff
falloffs
fallout
fallouts
fallow
fallowed
fallowing
fallows
falls
false
falsehood
falsehoods
falsely
falseness
falsenesses
falser
falsest
falsetto
falsettos
falsie
falsies
falsification
falsifications
falsified
falsifies
falsify
falsifying
falsities
falsity
faltboat
faltboats
falter
faltered
falterer
falterers
faltering
falters
fame
famed
fameless
fames
famiglietti
familial
familiar
familiarities
familiarity
familiarize
familiarized
familiarizes
familiarizing
familiarly
familiars
families
family
famine
famines
faming
famish
famished
famishes
famishing
famous
famously
famuli
famulus
fan
fanatic
fanatical
fanaticism
fanaticisms
fanatics
fancied
fancier
fanciers
fancies
fanciest
fanciful
fancifully
fancily
fancy
fancying
fandango
fandangos
fandom
fandoms
fane
farmsteads
fannyard
fannyards
famesol
famesols
farness
farnesses
faro
faros
farouche
farrago
farragoes
farrier
farrieries
farriers
farriery
farrow
farrowed
farrowing
farrowes
farrowes
farsighted
farsightedness
farsightednesses
fart
farted
farther
farthermost
farthest
farthing
farthings
farting
farts
fas
fasces
fascia
fasciae
fascial
fascias
fasciate
fascicle
fascicled
fascicles
fascinate
fascinated
fascinates
fascinating
fascination
fascinations
fascine
fascines
fascism
fascisms
fascist
fascistic
fascists
fash
fashed
fashes
fashing
fashion
fashionable
fashionably
fashioned
fashioning
fashions
fashious
fast
fastback
fastbacks
fastball
fastballs
fasted
fasten
fastened
fastener
fasteners
fastening
fastenings
fastens
faster
fastest
fastiduous
fastiduously
fastidiousness
fastidiousnesses
fasting
fastings
fastness
fastnesses
fats
fastuous
fat
fatal
fatalism
fatalisms
fatalist
fatalistic
fatalists
fatalities
fatality
fatally
fatback
fatbacks
fatbird
fatbirds
fate
fated
fateful
fatefully
fates
fathead
fatheads
father
fathered
fatherhood
fatherhoods
fathering
fatherland
fatherlands
fatherless
fatherly
fathers
fathom
fathomable
fathomed
fathoming
fathomless
fathoms
fatidic
fatigue
fatigued
fatigues
fatiguing
fating
fatless
fatlike
fatling
fatlings
fatly
fatness
fatnesses
fats
fatso
fatsoes
fatsos
fatstock
fatstocks
fatted
fatten
fattened
fattener
fatteners
fattening
fattens
fatter
fattest
fattier
fatties
fattiest
fattily
fattening
fatty
fatuites
fatuity
fatuous
fatuously
fatuousness
fatuousnesses
faubourg
faubourgs
faucal
faucals
fauces
faucet
faucets
faucial
faugh
fauld
faulds
fault
faulted
faultfinder
faultfinders
faultfinding
faultfindings
faultier
faultiest
faultily
faulting
faultless
faultlessly
fawnlike
fawns
fawny
fax
faxed
faxes
faxing
fay
fayalite
fayalites
fayed
faying
fays
faze
fazed
fazenda
fazendas
fazes
fazing
feal
fealties
fealty
fear
feared
fearer
fearers
fearful
fearfuller
fearfullest
fearfully
fearing
fearless
fearlessly
fearlessness
fearlessnesses
fears
fearsome
feasance
feasances
fease
feased
feases
feasibilities
feasibility
feasible
feasibly
feasing
feast
feasted
feaster
feasters
feastful
feasting
feasts
feat
feater
featest
feather
feathered
featherier
featheriest
feathering
featherless
feathers
feathery
featlier
featliest
featly
feats
feature
featured
featureless
features
featuring
feaze
feazed
feazes
feazing
febrific
febrile
fecal
feces
fecial
fecials
feck
feckless
feckly
fecks
fecula
feculae
feculent
fecund
fecundities
fecundity
fed
fedayee
fedayeen
federacies
federacy
federal
federalism
federalisms
federalist
federalists
federally
federals
federate
federated
federates
federating
federation
federations
fedora
fedoras
feds
fee
feeble
feebleminded
feeblemindedness
feeblemindednesses
feebleness
feeblenesses
feebler
feeblest
feebleish
feeably
feed
feedable
feedback
feedbacks
feedbag
feedbags
feedbox
feedboxes
feeder
feeders
feeding
feedlot
feedlots
feeds
feeing
feel
feeler
feelers
feeless
feeling
feelings
feels
fees
feet
footless
feeze
feezed
feezees
feezeing
feign
feigned
feigner
feigners
feigning
feigns
feint
feinted
feinting
feints
feirie
feist
feistier
feistiest
feists
feisty
feldspar
feldspars
felicitate
felicitated
felicitates
felicitating
felicitation
felicitations
felicities
felicitous
felicitously
felicity
felid
felids
feline
felinely
felines
felinities
felinity
fell
fella
fellable
fellah
fellaheen
fellahin
fellahs
fellas
fellatio
fellatios
felled
feller
fellers
felles
fellies
felling
fellness
fellnesses
felloe
felloes
fellow
fellowed
fellowing
fellowly
fellowman
fellowmen
fellows
fellowship
fellowships
fells
felly
felon
felonies
felonious
felonries
felonry
felons
felony
felsite
felsites
felsitic
felspar
felspars
felstone
felstones
felt
falted
felting
feltings
felts
felucca
feluccas
felwort
felworts
female
females
feme
femes
feminacies
feminacy
feminie
feminine
feminines
femininities
femininity
feminise
feminised
feminises
feminising
feminism
feminisms
feminist
feminists
feminities
feminity
feminization
feminizations
feminize
feminized
feminizes
feminizing
femme
femmes
femora
femoral
femur
femurs
fen
fenagle
fenagled
fenagles
fenagling
fence
fenced
fencer
fencers
fences
fencible
fencibles
fencing
fencings
fend
fended
fender
fendered
fenders
fending
fends
fenestra
fenestrae
fennec
fennecs
fennel
fennels
fenny
fens
feod
feodaries
feodary
feods
feoff
feoffed
feoffee
feoffees
feoffer
feoffers
feoffing
feoffor
feoffors
feoffs
fer
feracities
feracity
feral
ferbam
ferbams
fere
feres
feretories
feretory
feria
feriae
ferial
ferias
ferine
ferities
ferrets
ferety
ferriage
ferriages
ferric
ferried
ferries
ferrite
ferrites
ferritic
ferritin
ferritins
ferrous
ferrule
ferruled
ferrules
ferruling
ferrum
ferrums
ferry
ferryboat
ferryboats
ferrying
ferryman
ferrymen
fertile
fertilities
fertility
fertilization
fertilizations
fertilize
fertilized
fertilizer
fertilizers
fertilizes
fertilizing
ferula
ferulae
ferulas
ferule
feruled
ferules
fertilizing
fervencies
fervency
fervent
fervently
fervid
fervidly
fervor
fervors
fervour
fervours
fescue
fescues
fess
fesse
fessed
fesses
fessing
fesswise
festal
festally
fester
festered
fестering
festers
festival
festivals
festive
festively
festivities
festivity
festoon
festooned
festooning
festoons
fet
feta
fetal
fetas
fetation
fetations
fetch
fetched
fetcher
fetchers
fetches
fetching
fetchingly
fete
feted
feterita
feteritas
fetes
fetial
feuds
feued
feuing
feus
fever
fevered
feverfew
feverfews
fevering
feverish
feverous
fevers
few
fewer
fewest
fewness
fewnesses
fewtrils
fey
feyer
feyst
feyness
feynesses
fez
fezes
fezzed
fezzes
fiacre
fiacres
fiance
fiancee
fiancees
fiances
fiar
fiars
fiaschi
fiasco
fiascoes
fiascos
fiat
fiats
fib
fibbed
fibber
fibbers
fibbing
fiber
fiberboard
fiberboards
fibered
fiberglass
fiberglasses
fiberize
fiberized
fiberizes
fiberizing
fibers
fibre
fibres
fibril
fibrilla
fibrillae
fibrillate
fibrillated
fibrillates
fibrillating
fibrillation
fibrillations
fibrils
fibrin
fibrins
fibrocystic
fibroid
fibroids
fibroin
fibroins
fibroma
fibromas
fibromata
fibroses
fibrosis
fibrotic
fibrous
fibs
fibula
fibulae
fibular
fibulas
fice
fices
fiche
fiches
fichu
fichus
ficin
ficins
fighter
fighters
fighting
fightings
fights
figment
figments
figs
figuline
figulines
figural
figurant
figurants
figurate
figurative
figuratively
figure
figured
figurer
figurers
figures
figurine
figurines
figuring
figwort
figworts
fil
fila
filagree
filagreed
filagreeing
filagrees
filament
filamentous
filaments
filar
filaree
filarees
filaria
filariae
filarial
filarian
filiarid
filiarids
filature
filatures
filbert
filberts
finickier
finickiest
finicky
finicking
fining
finis
finises
finish
finished
finisher
finishers
finishes
finishing
finite
finitely
finites
finitude
finitudes
fink
finked
finking
finks
finky
finless
finlike
finmark
finmarks
finned
finnickier
finnickiest
finnicky
finnier
finniest
finning
finnmark
finnmarks
finochio
finochios
fins
fiord
fiords
fipple
fipples
fique
fiques
fir
fire
firearm
firearms
fireball
fireballs
firebird
firebirds
fireboat
fireboats
firebomb
firebombed
firebombing
firebombs
firebox
fireboxes
firebrat
firebrats
firebreak
firebreaks
firebug
firebugs
fireclay
fireclays
firecracker
firecrackers
fired
firedamp
firedamps
firedog
firedogs
firefang
firefanged
firefanging
firefangs
fireflies
firefly
firehall
firehalls
fireless
firelock
firelocks
fireman
firemen
firepan
firepans
firepink
fishponds
fishtail
fishtailed
fishtailing
fishtails
fishway
fishways
fishwife
fishwives
fishy
fissate
fissile
fission
fissionable
fissional
fissioned
fissioning
fissions
fissiped
fissipeds
fissure
fissured
fissures
fissuring
fist
fisted
fistful
fistfuls
fistic
fisticuffs
fisting
fistnote
fistnotes
fists
fistula
fistulae
fistular
fistulas
fisty
fit
fitch
fitchee
fitches
fitchet
fitchets
fitchew
fitchews
fitchy
flagger
flaggers
flaggier
flaggiest
flagging
flaggings
flaggy
flagless
flagman
flagmen
flagon
flagons
flagpole
flagpoles
flagrant
flagrantly
flags
flagship
flagships
flagstaff
flagstaffs
flagstone
flagstones
flail
flailed
flailing
flails
flair
flairs
flak
flake
flaked
flaker
flakers
flakes
flakier
flakiest
flakily
flaking
flaky
flam
flambe
flambeau
flambeaus
flambeaux
flambee
flambeed
flambeing
flannel
flanneled
flanneling
flannelled
flannelling
flannels
flans
flap
flapjack
flapjacks
flapless
flapped
flapper
flappers
flappier
flappiest
flapping
flappy
flaps
flare
flared
flares
flaring
flash
flashed
flasher
flashers
flashes
flashgun
flashguns
flashier
flashiest
flashily
flashiness
flashinesses
flashing
flashings
flashlight
flashlights
flashy
flask
flasket
flaskets
flasks
flat
flatbed
flatbeds
flatboat
flatwares
flatwash
flatwashes
flatways
flatwise
flatwork
flatworks
flatworm
flatworms
flaunt
flaunted
flaunter
flaunters
flauntier
flauntiest
flaunting
flaunts
flaunty
flautist
flautists
flavin
flavine
flavines
flavins
flavone
flavones
flavonol
flavonols
flavor
flavored
flavorer
flavorers
flavorful
flavoring
flavorings
flavors
flavorsome
flavory
flavour
flavoured
flavouring
flavours
flavoury
flaw
flawed
flawier
flawiest
flawing
flawless
flaws
flawy
flax
flaxen
flaxes
flaxier
flaxiest
flaxseed
flaxseeds
flaxy
flay
flayed
flayer
flayers
flaying
flays
flea
fleabag
fleabags
fleabane
fleabanes
fleabite
fleabites
fleam
fleams
fleas
fleawort
fleaworts
fleche
fleches
fleck
flecked
flecking
flecks
flecky
flection
flections
fled
fledge
fledged
fledges
fledgier
fledgiest
fledging
fledgling
fledglings
fledgy
flicked
flicker
flickered
flickering
flickers
flickery
flicking
flicks
flics
flied
flier
fliers
flies
fliest
flight
flighted
flightier
flightiest
flighting
flightless
flights
flighty
flimflam
flimflammed
flimflamming
flimflams
flimsier
flimsies
flimsiest
flimsily
flimsiness
flimsinesses
flimsy
flinch
flinched
flincher
flinchers
flinches
flinching
flinder
flinders
fling
flinger
flingers
flinging
flings
flint
flinted
floatages
floated
floater
floaters
floatier
floatiest
floating
floats
floaty
floc
flocced
flocci
floccing
flocose
flocule
flocules
floculi
flocus
flock
flocked
flockier
flockiest
flocking
flockings
flocks
flocky
floc
floces
flog
flogged
flogger
floggers
flogging
floggings
flogs
flong
flongs
flood
flooded
flooder
flooders
flooding
floodlit
floods
floodwater
floodwaters
floodway
fluffiest
fluffily
fluffing
fluffs
fluffy
fluid
fluidal
fluidic
fluidics
fluidise
fluidised
fluidises
fluidising
fluidities
fluidity
fluidize
fluidized
fluidizes
fluidizing
fluidly
fluidounce
fluidounces
fluidram
fluidrams
fluids
fluke
fluked
flukes
fluked
flukier
flukiest
fluking
fluky
flume
flumed
flumes
fluming
flumeries
flummery
flummox
flummoxed
flummoxes
flummoxing
flump
flumped
flumping
flumps
flung
foetus
foetuses
fog
fogbound
fogbow
fogbows
fogdog
fogdogs
fogey
fogey’s
fogfruit
fogfruits
foggage
foggages
fogged
fogger
foggers
foggier
foggiest
foggily
fogging
foggy
foghorn
foghorns
fogie
fogies
fogless
fogs
fogy
fogyish
fogyism
fogyisms
foh
fohn
fohns
foible
foibles
foil
foilable
foiled
foiling
foils
foilsman
foilsman
foin
foined
foining
foins
foison
foisons
foist
foisted
foisting
foists
folacin
folacins
folate
folates
fold
foldable
foldaway
foldboat
foldboats
folded
folder
folderol
folderols
folders
folding
foldout
foldouts
folds
folia
foliage
foliaged
foliages
foliar
foliate
foliated
foliates
foliating
folic
folio
folioed
folioing
folios
foliose
folious
folium
foliums
folk
folkish
folklke
folklare
folklors
folklorist
fondlers
fondles
fondling
fondlings
fondly
fondness
fondnesses
fonds
fondu
fondué
fondues
fonduus
fons
font
fontal
fontanel
fontanelles
fontina
fontinas
fonts
food
foodless
foods
foofaraw
foofaraws
fool
fooled
fooleries
foolery
foolfish
foolfishes
foolhardiness
foolhardinesses
foolhardy
fooling
foolish
foolisher
foolishest
foolishness
foolishnesses
foolproof
fools
foolscap
foolscaps
foot
footage
footages
football
forager
foragers
forages
foraging
foram
foramen
foramens
foramina
forams
foray
forayed
forayer
forayers
foraying
forays
forb
forbad
forbade
forbear
forbearance
forbearances
forbearing
forbears
forbid
forbidal
forbidals
forbidden
forbidding
forbids
forbode
forboded
forbodes
forboding
forbore
forborne
forbs
forby
forbye
force
forced
forcedly
forceful
forcefully
forceps
forcer
forcers
forces
forcible
forehands
forehead
foreheads
forehoof
forehoofs
forehooves
foreign
foreigner
foreigners
foreknew
foreknow
foreknowing
foreknowledge
foreknowledge
foreknown
foreknows
foreladies
forelady
foreland
forelands
foreleg
forelegs
forelimb
forelimbs
forelock
forelocks
foreman
foremast
foremasts
foremen
foremilk
foremilks
foremost
forename
forenames
forenoon
forenoons
forensic
forensics
foreordain
foreordained
foreordaining
foreordains
forepart
foreparts
forepast
forepaw
forepaws
forfeiting
forfeits
forfeiture
forfeitures
forfend
forfended
forfending
forfends
forgat
forgather
forgathered
forgathering
forgathers
forgave
forge
forged
forger
forgeries
forgers
forgery
forges
forget
forgetful
forgetfully
forgets
forgetting
forging
forgings
forgivable
forgive
forgiven
forgiveness
forgivenesses
forgiver
forgivers
forgives
forgiving
fogo
fogoer
fogoers
fogoes
fogoing
fogone
forgot
forgotten
forint
forints
forjudge
forjudged
forjudges
forjudging
fork
forked
forkedly
forker
forkers
forkful
forkfuls
forkier
forkiest
forking
forkless
forklift
forklifts
forklike
forks
forksful
forky
forlorn
forlornest
form
formable
formal
formaldehyde
formaldehydes
formalin
formalins
formalities
formality
formalize
formalized
formalizes
formalizing
formally
formals
formant
formants
format
formate
formates
formation
formations
formative
formats
formatted
forspent
forswear
forswearing
forswears
forswore
forsworn
forsythia
forsythias
fort
forte
fortes
forth
forthcoming
forthright
forthrightness
forthrightnesses
forthwith
forties
fortieth
fortieths
fortification
fortifications
fortified
fortifies
fortify
fortifying
fortis
fortitude
fortitudes
fornight
fornightly
fornights
fortress
fortressed
fortresses
fortressing
fords
fortuities
fortuitous
fortuity
fortunate
fortunately
fortune
fortuned
fortunes
fortuning
forty
forum
forums
forward
forwarded
forwarder
farthest
forwarding
forwardness
forwardnesses
forwards
forwent
forwhy
forworn
forzando
forzandos
foss
fossa
fossae
fossate
fosse
fosses
fossette
fossettes
fossick
fossicked
fossicking
fossicks
fossil
fossilize
fossilized
fossilizes
fossilizing
fossils
foster
fostered
fosterer
fosterers
fostering
fosters
fou
fought
foughten
foul
foulard
foulards
fouled
fouler
foulest
fouling
foulings
fouly
foulmouthed
foulness
foulnesses
fouls
found
foundation
foundational
foundations
founded
founder
foundered
foundering
founders
founding
foundling
foundlings
foundries
foundry
founds
fount
fountain
fountained
fountaining
fountains
founts
four
fourchee
fourfold
fourgon
fourgons
fours
fourscore
foursome
foursomes
fourteen
fourteens
fourteenth
fourteenths
fourth
fourthly
fourths
fovea
foveae
foveal
foveate
foveated
foziest
foziness
fozinesses
fozy
fracas
fracases
fracted
fraction
fractional
fractionally
fractionated
fractioned
fractioning
fractions
fractur
fracture
fractured
fractures
fracturing
fracturs
frae
fraena
fraenum
fraenums
frag
fragged
fragging
fraggings
fragile
fragilities
fragility
fragment
fragmentary
fragmentation
fragmentations
fragmented
fragmenting
fragments
fragrant
fragrantly
frags
frail
frailer
frailest
frailly
frails
frailties
frailty
raise
raises
fraktur
frakturs
framable
frame
framed
framer
framers
frames
framework
frameworks
framing
franc
franchise
franchisee
franchisees
franchises
francium
franciums
francs
frangibilities
frangibility
frangible
frank
franked
franker
frankers
frankest
frankfort
frankforter
frankforters
frankforts
frankfurt
frankfurter
frankfurters
frankfurts
frankincense
frankincenses
franking
franklin
franklins
frankly
frankness
franknesses
franks
frantic
frantically
frantically
frap
frappe
frapped
frappes
frapping
fraps
frat
frater
fraternal
fraternally
fraternities
fraternity
fraternization
fraternizations
fraternize
fraternized
fraternizes
fraternizing
fraters
fratricidal
fratricide
fratricides
frats
fraud
frauds
fraudulent
fraudulently
fraught
fraughted
fraughting
fraughts
fraulein
frauleins
fray
frayed
fraying
frayings
frays
frazzle
frazzled
frazzles
frazzling
freak
freaked
freakier
freakiest
freakily
freaking
freakish
freakout
freakouts
freaks
freaky
freckle
freckled
freckles
frecklier
freckliest
freckling
freckly
free
freebee
freebees
freebie
freebies
freeboot
freebooted
freebooter
freebooters
freebooting
freeboots
freeborn
freed
freedman
freedmen
freedom
freedoms
freeform
freehand
freehold
freeholds
freeing
freeload
freeloaded
freeloader
freeloaders
freeloading
freeloads
freely
freeman
freemen
freeness
freenesses
freer
freers
frightening
frightens
frightful
frightfully
frightfulness
frightfulnesses
frighting
frights
frigid
frigidities
frigidity
frigidly
frigs
frijol
frijole
frijoles
frill
frilled
friller
frillers
frillier
frilliest
frilling
frillings
frills
frilly
fringe
fringed
fringes
fringier
fringiest
fringing
fringy
fripperies
frippery
frise
frises
frisette
frisettes
friseur
friseurs
frisk
frisked
frisker
friskers
frisket
friskets
friskier
frottage
frottages
frotteur
frotteurs
froufrou
froufrous
froncé
froncé
fronacci
fronce
frouncing
frouzier
frouziest
frouzy
frow
froward
frown
frowned
frowners
frowning
frowns
frows
frowsier
frowsiest
frowstier
frowsiest
frowsty
frowsy
frowzier
frowziest
frowzily
frowzy
froze
frozen
frozenly
fructified
fructifies
fructify
fructifying
fructose
fructoses
frug
frugal
frugalities
frugality
frugally
frugged
fruggling
fulgid
fulham
fulhams
full
fullam
fullams
fullback
fullbacks
fulled
fuller
fullered
fulleries
fullering
fullers
fullery
fullest
fullface
fullfaces
fulling
fullness
fullnesses
fulls
fully
fulmar
fulmars
fulmine
fulmined
fulmines
fulminic
fulmining
fulness
fulnesses
fulsome
fulvous
fumarase
fumarases
fumarate
fumarates
fumaring
fumaries
fumating
fumatory
fumble
fumbled
fumbler
fumbler
fumbles
funds
fundus
funeral
funerals
funerary
funereal
funest
funfair
funfairs
fungal
fungals
fungi
fungible
fungibles
fungic
fungicidal
fungicide
fungicides
fungo
fungoes
fungoid
fungoids
fungous
fungus
funguses
funicle
funicles
funiculi
funk
funked
funker
funkers
funkia
funkias
funkier
funkiest
funking
funks
funky
funned
funnel
funneled
funneling
funnelled
funnelling
funnels
funnier
funnies
funniest
funnily
funning
funny
funnyman
funnymen
funs
fur
furans
furane
furanes
furanose
furanoses
furans
furbelow
furbelowed
furbelowing
furbelows
furbish
furbished
furbishes
furbinging
furcate
furcated
furcates
furcating
furcraea
furcraeas
furcula
furculae
furcular
furculum
furtur
furural
furfurals
fururane
furfurans
furfures
furibund
furies
furioso
furious
furiously
furl
furlable
furled
furler
furlers
fusions
fuss
fussbudget
fussbudgets
fussed
fusser
fussers
fusses
fussier
fussiest
fussily
fussiness
fussinesses
fussing
fusspot
fusspots
fussy
fustian
fustians
fustic
fustics
fustier
fustiest
fustily
fusty
futharc
futharcs
futhark
futharks
futhoric
futhorcs
futhork
futhorks
futile
futilely
futileties
futility
futtock
futtocks
futural
future
futures
futurism
futurisms
futurist
futuristic
futurists
futurities
gainliest
gainly
gains
gainsaid
gainsay
gainsayer
gainsayers
gainsaying
gainsays
gains
gainst
gait
gaited
gaiter
gaiters
gaiting
gaits
gal
gala
galactic
galactorrhea
galago
galagos
galah
galahs
galangal
galangals
galas
galatea
galateas
galavant
galavanted
galavanting
galavants
galax
galaxies
galaxy
galbanum
galbanums
gale
galea
galeae
galeas
galeate
galeated
galen
galenas
galenic
galenite
galenites
galere
galeres
gales
galilee
galiees
galiot
galiots
galipot
galipots
galivant
galivanted
galivanting
galivants
gall
gellant
gallanted
gallanting
gallantly
gallantries
gallantry
gallants
gallate
gallates
gallbladder
gallbladders
galleass
galleasses
galled
gallein
galleins
galleon
galleons
galleried
galleries
gallery
gallerying
galleta
galletas
galley
galleys
gallflies
gallfly
galliard
galliards
galliass
galliasses
gallic
gallican
gallied
gallies
galling

galliot
galliots
gallipot
gallipots
gallium
galliums
gallivant
gallivanted
gallivanting
gallivants
gallnut
gallnuts
gallon
gallons
galloon
galloons
galloot
galloots
gallop
galoped
galopper
gallopers
galloping
gallops
gallous
gallows
gallowses
galls
gallstone
gallstones
gallus
gallused
galluses
gally
gallying
galoot
galoots
galop
galopade
galopades
galops
galore
galores
gambles
gambling
gamboge
gamboges
gambol
gamboled
gamboling
gambolled
gambolling
gambols
gambrel
gambrels
gambs
gambusia
gambusias
game
gamecock
gamecocks
gamed
gamekeeper
gamekeepers
gamelan
gamelans
gamelike
gamely
gameness
gamenesses
gamer
games
gamesome
gamest
gamester
gamesters
gamete
gametes
gametic
gamey
gamic
gamier
gamiest
gamily
gamin
gamine
gamines
gamineness
gaminesses
gaming
gamings
gamins
gamma
gammadia
gammas
gammed
gammer
gammers
gamming
gammon
gammoned
gammoner
gammoners
gammoning
gammons
gamodeme
gamodemes
gamp
gamps
gams
gamut
gamuts
gamy
gan
gander
gandered
gandering
ganders
gane
ganef
ganefs
ganev
ganevs
gang
ganged
ganger
gangers
ganging
gangland
ganglands
ganglia
ganglial
gangliar
ganglier
gangliest
gangling
ganglion
ganglionic
ganglions
<table>
<thead>
<tr>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
</tr>
</thead>
<tbody>
<tr>
<td>gangly</td>
<td>gangplank</td>
<td>gangplanks</td>
<td>gangplow</td>
<td>gangplows</td>
</tr>
<tr>
<td>gangrel</td>
<td>gangrels</td>
<td>gangrene</td>
<td>gangrened</td>
<td>gangrenes</td>
</tr>
<tr>
<td>gangrene</td>
<td>gangrenes</td>
<td>gangrening</td>
<td>gangrenous</td>
<td>gangs</td>
</tr>
<tr>
<td>gangster</td>
<td>gangsters</td>
<td>gangue</td>
<td>gangues</td>
<td>gangway</td>
</tr>
<tr>
<td>gangways</td>
<td>ganister</td>
<td>ganisters</td>
<td>ganja</td>
<td>ganjas</td>
</tr>
<tr>
<td>ganet</td>
<td>gannets</td>
<td>ganof</td>
<td>ganofs</td>
<td>ganoid</td>
</tr>
<tr>
<td>ganoids</td>
<td>gantlet</td>
<td>gantleted</td>
<td>gantleting</td>
<td>gantlets</td>
</tr>
<tr>
<td>gantlet</td>
<td>gantlines</td>
<td>gantline</td>
<td>gantlope</td>
<td>gantlopes</td>
</tr>
<tr>
<td>gaol</td>
<td>gaolied</td>
<td>gaoler</td>
<td>gaolers</td>
<td>gaoling</td>
</tr>
<tr>
<td>gaols</td>
<td>gap</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
gape
gaped
gaper
gapers
gapes
gapeseed
gapeseeds
gapeworm
gapeworms
gaping
gapingly
gaposis
gaposises
gapped
gappier
gappiest
gapping
gappy
gaps
gapy
gar
garage
garaged
garages
garaging
garb
garbage
garbages
garbanzo
garbanzos
garbed
garbing
garble
garbled
garbler
garblers
garbles
garbless
garbling
garboard
garboards
garboil
garboils
garbs
garcon
garcons
gardant
garden
gardened
gardener
gardeners
gardenia
gardenias
gardening
gardens
gardyloo
garfish
garfishes
garganey
garganeys
gargantuan
garget
gargets
gargety
gargle
gargled
gargler
garglers
gargles
gargling
gargoyle
gargoyles
garish
garishly
garland
garlanded
garlanding
garlands
garlic
garlicky
garlics
garment
garmented
garmenting
garments
garner
garnered
garning
garners
garnet
garnets
garnish
garnished
garnishee
garnishees
garnisheing
garnishes
garnishing
garnishment
garnishments
garote
garoted
garotes
garoting
garotte
garotted
garotter
garotters
garottes
garotting
garpike
garpikes
garred
garret
garrets
garring
garrison
garrisoned
garrisoning
garrisons
garron
garrons
garrote
garotted
garroter
garroters
garrotes
garroting
garrote
garrotted
garrottes
garrotting
garrulities
garrulity
garrulous
garrulously
garrulousness
garrulousnesses
gars
garter
gartered
gartering
garters
gatelike
gateman
gatemen
gatepost
gateposts
gates
gateway
gateways
gather
gathered
gatherer
gatherers
gathering
gatherings
gathers
gating
gats
gauche
gauchely
gaucher
gauchest
gaUCHo
gauchos
gaud
gauderies
gaudery
gaudier
gaudies
gaudiest
gaudily
gaudiness
gaudinesses
gauds
gaudy
gauffer
gauffered
gauffering
gauffers
gauge
gauged
gauger
gaugers
gauges
gauging
gault
gaults
gaum
gaumed
gawkies
gawkiest
gawkily
gawking
gawkish
gawks
gawkly
gawking
gawkish
gawks
gawky
gawsie
gawsy
gay
gayal
gayals
gayer
gayest
gayeties
gayety
gayly
gayness
gaynesses
gays
gaywing
gaywings
gazabo
gazabo
gazabos
gaze
gazebo
gazebo
gazebo
gazebo
gazeebo
gazeebo
gazers
gazes
gazette
gazette
gazette
gazette
gazette
gazette
gazette
gazette
gazettes
gazettes
gazetting
gazing
gazogene
gazogenes
gazpacho
gazpachos
gear
gearbox
gemology

gemot

gemote
gemotes
gemots
gems
gemsbok
gemsboks
gemsbuck
gemsbucks
gemstone
gemstones
gendarme
gendarmes
gender
gendered
gendering
genders
gene
geneological
geneologically
genealogist
genealogists
genealogy
genera
general
generalities
generality
generalizability
generalization
generalizations
generalize
generalized
generalizes
generalizing
generally
generals
generate
generated
generates
generating
generation
generations
generative
generator
generators
generic
generics
genuflect
genuflected
genuflecting
genuflection
genuflections
genuflects
genuine
genuinely
genuineness
genuinencesSESes
genus
genuses
geode
geodes
geodesic
geodesics
geodesies
geodesy
geodetic
geodic
geduck
geducks
gegnosis
gegnosy
grapher
graphers
geographic
geographical
geographically
geographies
geography
dgeoid
dgeoidal
dgeoids
dgeologer
dgeologers
dgeologic
dgeological
dgeologies
dgeologist
dgeologists
dgeology
dgeomancies
dgeomancy
dgeometer
dgeometers
dgeometric
dgeometrical
geometries
geometry
geophagies
geophagy
geophone
geophones
geophysical
gephysicist
gephysicists
gephysics
gephyte
gephytes
geponic
geponic
geponic
getaxes
getaxis
gothermal
gothermic
gerah
gerahs
geranial
geranials
geraniol
geraniols
geranium
geraniums
gerardia
gerardias
gerbera
gerberas
gerbil
gerbille
gerbilles
gerbils
gerent
gerents
gerenuk
gerenuks
geriatric
geriatrics
germ
german
germane
germanic
germanium
germaniums
germans
germen
germens
germfree
germicidal
germicide
germicides
germir
germiest
germina
germinal
germinate
germinated
germinates
germinating
germination
germinations
germs
germy
gerontic
gerrymander
gerrymandered
gerrymandering
gerrymanders
gerund
gerunds
gesso
gessoes
gest
gestalt
gestalten
gestalts
gestapo
gestapos
gestate
gestated
gestates
gestating
geste
gestes
gestic
gestical
gests
gestural
gesture
gestured
gesturer
gesturers
gestures
gibbeting
gibbets
gibbeted
gibbetting
gibbing
gibbon
gibbons
gibbose
gibbous
gibbsite
gibbsites
gibe
gibed
giber
gibers
gibes
gibing
gibingly
giblet
giblets
gibs
gid
giddap
giddied
giddier
giddies
giddiest
giddily
giddiness
giddinesses
giddy
giddying
gids
gie
gied
gieing
gien
gies
gift
gifted
giftedly
gifting
giftless
gifts
gig
giga
gigabit
gigabits
gigantic
gigas
gigaton
gigatons
gigawatt
gigawatts
gigged
gigging
giggle
giggled
giggler
gigglers
giggles
giggler
giggiest
giggling
giggly
gighe
giglet
giglets
giglot
giglots
gigolo
gigolos
gigot
gigots
gigs
gigue
gigues
gilbert
gilberts
gild
gilded
gilder
gilders
gildhall
gildhalls
gilding
gildings
gilds
gill
gilled
giller
gillers
gillie
gillied
gillies
gilling
gillnet
gillnets
gillnetted
gillnetting
gills
gilly
gillying
gilt
gilthead
giltheads
gilts
gimbal
gimbaled
gimbaling
gimballed
gimbaling
gimbals
gimcrack
gimcracks
gimel
gimels
gimlet
gimleted
gimleting
gimlets
gimmel
gimmals
gimmick
gimmicked
gimmicking
gimmicks
gimmicky
gimp
gimped
gimpier
gimpiest
gimping
gimps
gimpy
gin
gingal
gingall
gingalls
gingals
gingeley
gingeleys
ginglei
gingleies
gipsy
gipsying
giraffe
giraffes
girasol
girasole
girasoles
girasols
gird
girded
gider
giders
girding
giddle
girdled
girdler
girdlers
girdles
girdling
girds
girl
girlhood
girlhoods
girlie
girlies
girlish
girls
girly
gim
gimed
giming
gims
giro
giron
girons
giros
girosol
girosols
girsh
girshes
girt
girted
girth
girthed
girthing
girths
girting
girts
gladdened
gladdening
gladdens
gladder
gladdest
gladding
glade
glades
gladiate
gladiator
gladiatorial
gladiators
gladier
gladiest
gladiola
gladiolas
gladioli
gladiolus
gladlier
gladliest
gladly
gladness
gladnesses
glads
gladsome
gladsomer
gladsomest
glady
glaiket
glaikit
glair
glaire
glaired
glaires
glaier
glaier
glairest
glairest
glairing
glairs
glairey
glaive
glaived
glaives
glamor
glamorize
glamorized
glamorizes
glamorizing
glamorous
glamors
glamour
glamoured
glamouring
glamours
glance
glanced
glances
glancing
gland
glanders
glandes
glands
glandular
glandule
glandules
glands
glans
glare
glared
glares
glarier
glariest
glaring
glaringly
glary
glass
glassblower
glassblowers
glassblowing
glassblowings
glassed
glasses
glassful
glassfuls
glassie
glassier
glassies
glassiest
glassily
glassine
glassines
glassing
glassman
glassmen
glassware
glasswares
glassy
glaucopa
glees
gleesome
gleet
gleeted
gleetier
gleetiest
gleetiest
gleetiest
gleetiest
gleetiest
gleetiest
gleetiest
 gleeting
 gleets
 gleety
 gle
gleg
 glegly
 gle
gleg
gleg
gleg
gleg
 gles
 gley
 gleys
 gliadin
 gliadine
 gliadines
 gliadins
 glial
 glib
 glibber
 glibbest
 glibly
 glibness
 glibnesses
 glide
 glided
 glider
 gliders
 glides
 gliding
 gliff
 gliffs
 glim
 glime
 glimed
 glimes
 gliming
 glimmer
 glimmered
 glimmering
 glimmers
 glimpse
glycosyls
glycyl
glycyls
glyph
glyphic
glyphs
glyptic
glyptics
gnar
gnarl
gnarled
gnarlier
gnarliest
gnarling
gnarls
gnarly
gnarr
gnarred
gnarring
gnarred
gnarls
gnarr
gnash
gnashed
gnashes
gnashing
gnat
gnathal
gnathic
gnathion
gnathions
gnathite
gnathites
gnatlike
gnats
gnattier
gnattiest
gnatty
gnaw
gnawable
gnawed
gnawer
gnawers
gnawing
gnawings
gnawn
gnaws
gneiss
gneisses
goatskins
gob
goban
gobang
gobangs
gobans
gobed
gobet
gobets
gobbing
gobble
gobbled
gobbledegook
gobbledegook
gobbledygook
gobbledygooks
gobbler
gobblers
gobbies
gobbles
gobbling
gobes
gobioid
gobioids
goblet
goblets
goblin
goblins
gobo
goboes
gobonee
gobony
gobos
gobs
goby
god
godchild
godchildren
goddam
goddammed
goddamming
goddamn
goddammed
goddamming
goddamns
goddams
goddaughter
goddauters
goded
goddess
goddesses
godding
godfather
godfathers
godhead
godheads
godhood
godhoods
godless
godlessness
godlessnesses
godlier
godliest
godlik
godlily
godling
godlings
godly
godmother
godmothers
godown
godowns
godparent
godparents
godroon
godroons
gods
godsend
godsends
godship
godships
godson
godsons
godwit
godwits
goer
goers
goes
goethite
goethites
goffer
goffered
goffering
goffers
goggle
goggled
goggler
gogglers
goggles
gogglier
goggliest
goggling
goggly
goglet
goglets
gogo
gogos
going
goings
goiter
goiters
goitre
goitres
goitrous
golconda
golcondas
gold
goldarn
goldarns
goldbrick
goldbricked
goldbricking
goldbricks
goldbug
goldbugs
golden
goldener
goldenest
goldenly
goldenrod
golder
goldest
goldeye
goldeyes
goldfinch
goldfinches
goldfish
goldishes
golds
goldsmith
goldstein
goldurn
goldurns
golem
golems
golf
golfer
golfers
golfing
golfings
golfs
golgotha
golgothas
goliard
goliards
golliwog
golliwogs
golly
golosh
goloshes
gombo
gombos
gomboon
gomboons
gomeral
gomerals
gomerel
gomerels
gomeril
gomerils
gomuti
gomutis
gonad
gonal
gonadal
gonadial
gonadic
gonads
gondola
gondolas
gondolier
gondoliers
gone
goneness
gonenesses
goner
goners
gonfalon
gonfalons
gonfanon
gonfanons
gong
gonged
gor
goral
gorals
gorbellies
gorbelly
gorblimy
gorcock
gorcocks
gore
gored
gores
gorge
gorged
gorgedly
gorgeous
gorger
gorgerin
gorgerins
gorgers
gorges
gorget
gorgeted
gorgets
gorging
gorgon
gorgons
gorhen
gorhens
gorier
goriest
gorilla
gorillas
gorily
goriness
gorinesses
goring
gormand
gormands
gorse
gorses
gorsier
gorsiest
gorsy
gory
gosh
goshawk
goshawks
gosling
grandly
grandma
grandmas
grandmother
grandmothers
grandness
grandnesses
grandpa
grandparent
grandparents
grandpas
grands
grandsir
grandsirs
grandson
grandsons
grandstand
grandstands
grange
granger
grangers
granges
granite
granites
granitic
grannie
grannies
granny
grant
granted
grantee
grantees
grant
grant
granters
granting
grantor
grantors
grants
granular
granularities
granularity
granulate
granulated
granulates
granulating
granulation
granulations
granule
granules
granum
grape
graperies
grapery
grapes
grapevine
grapevines
graph
graphed
grapheme
graphemes
graphic
graphically
graphics
graphing
graphite
graphites
graphs
grapier
grapiest
graplin
grapline
graplines
graplins
grappa
grappas
grapple
grappled
grappler
grapplers
grapples
grappling
grapy
grasp
grasped
grasper
graspers
grasping
grasps
grass
grassed
grasses
grasshopper
grasshoppers
grassier
gipers
gipes
gipey
griper
gripest
griping
grippe
gripped
gripper
grippers
grippes
grippier
gripiest
gripping
gripple
grippiny
gripps

gripped

gripper

grippers

grippes

grippier

gripiest

gripping

gripple

grippiny

gripps

gripped

gripper

grippers

grippes

grippier

gripiest

gripping

gripple

grippiny

gripps

gripped

gripper

grippers
gritting
gritty
grivet
grivets
grizzle
grizzled
grizzler
grizzlers
grizzlies
grizzlier
grizzlies
grizzliest
grizzling
gizzly
groan
groaned
groaner
groaners
groaning
groans
groat
groats
grocer
groceries
grocers
grocery
grog
grogeries
groggery
grogger
groggiest
groggily
grogginess
grogginesses
groggy
grogram
grograms
grogs
grogshop
grogshops
groin
groined
groining
groins
grommet
grommets
gromwell
gromwells
grovelling
grovels
groves
grow
growable
grower
growers
growing
growl
growled
growler
growlers
growlier
growliest
growling
growls
growly
grown
grownup
grownups

grows
growth
growths
groyne
groynes

grub
grubbed
grubber
grubbers
grubbier
grubbiest
grubbily
grubbiness
grubbinesses
grubbing
grubby
grubs
grubstake
grubstakes
grubworm
grubworms

grudge
grudged
grudger
grudgers
grudges
grudging
gruel
/guenon
/guenons
/guerdon
/guerdoned
/guerdoning
/guerdons
/guerilla
/guerillas
/guernsey
/guernseys
/guess
/guessed
/guesser
/guessers
/guesses
/guessing
/guest
/guested
/guesting
/guests
/guff
/guffaw
/guffawed
/guffawing
/guffaws
/guffs
/guggle
/guggled
/guggles
/guggling
/guglet
/guglets
/guid
/guidable
/guidance
/guidances
/guide
/guidebook
/guidebooks
/guided
/guideline
/guidelines
/guider
/guiders
/guides
/guiding
/guidon
/guidons
gut
gutless
gutlike
guts
gutsier
gutsiest
gutsy
gutta
guttae
guttate
guttated
gutted
gutter
guttered
guttering
gutters
guttery
guttier
guttiest
gutting
gutle
guttled
guttler
guttlers
gutters
gutting
guttural
gutturals
gutty
guy
guyed
guyer
guying
guyot
guyots
guys
guzzle
guzzled
guzzler
guzzlers
guzzles
guzzling
gweduc
gweduck
gweducks
gweducs
gybe
gybed
hagborn
hagbush
hagbushes
hagbut
hagbutts
hagdon
hagdons
hagfish
hagfishes
haggadic
haggard
haggardly
haggards
hagged
hagging
haggis
haggises
haggish
haggle
haggled
haggler
hagglers
haggles
haggling
hagridden
hagride
hagrides
hagriding
hagrode
hags
hah
hahs
haik
haika
haiks
haiku
hail
hailed
hailer
hailers
hailing
hails
hailstone
hailstones
hailstorm
hailstorms
haily
hair
halfhearted
halfheartedly
halfheartedness
halfheartednesses
halflife
halflives
halfness
halfnesses
halftime
halftimes
halftone
halftones
halfway
halibut
halibuts
halid
halide
halides
halidom
halidome
halidomes
halidoms
halids
haling
halite
halites
halitosis
halitoses
halitus
halituses
hall
hallah
hallahs
hallel
hallels
halliard
halliards
hallmark
hallmarked
hallmarking
hallmarks
hallo
halloa
halloaed
halloaing
halloas
halloed
halloes
hammily
hamming
hammock
hammocks
hammy
hamper
hampered
hamperer
hamperers
hampering
hampers
hams
hamster
hamsters
hamstring
hamstringing
hamstrings
hamstrung
hamular
hamulate
hamuli
hamulose
hamulous
hamulus
hamza
hamzah
hamzahs
hamzas
hanaper
hanapers
hance
hances
hand
handbag
handbags
handball
handballs
handbill
handbills
handbook
handbooks
handcar
handcars
handcart
handcarts
handclasp
handclasp
handcraft
handworks
handwoven
handwrit
handwriting
handwritings
handwritten
handy
handyman
handymen
hang
hangable
hangar
hangared
hangaring
hangars
hangbird
hangbirds
hangdog
hangdogs
hanged
hanger
hangers
hangfire
hangfires
hanging
hangings
hangman
hangmen
hangnail
hangnails
hangnest
hangnests
hangout
hangouts
hangover
hangovers
hangs
hangtag
hangtags
hangup
hangups
hank
hanked
hanker
hankerer
hankerers
hankering
hardwares
hardwood
hardwoods
hardy
hare
harebell
harebells
hared
hareem
hareems
harel
harelip
harelipped
harelips
harem
harems
hares
hariana
harianas
haricot
haricots
harijan
harijans
haring
hark
harked
harken
harkened
harkener
harkeners
harkening
harkens
harking
harks
harl
harlequin
harlequins
harlot
harlotries
harlotry
harlots
harls
harm
harmed
harmer
harmers
harmful
harmfully
harp
harpsichord
harpsichords
harpy
harridan
harridans
harried
harrier
harriers
harries
harrow
harrowed
harrower
harrowers
harrowing
harrows
harrumph
harrumphed
harrumphing
harrumphs
harry
harrying
harsh
harshen
harshened
harshening
harshens
harsher
harshest
harshly
harshness
harshnesses
harslet
harslets
hart
hartal
hartals
harts
haruspex
haruspices
harvest
harvested
harvester
harvesters
harvesting
harvests
hatched
hatchel
hatcheled
hatcheling
hatchelled
hatchelling
hatchels
hatcher
hatcheries
hatchers
hatchery
hatches
hatchet
hatchets
hatching
hatchings
hatchway
hatchways
hate
hateable
hated
hateful
hatefulness
hatefulnesses
hater
haters
hates
hatful
hatfuls
hath
hating
hatless
hatlike
hatmaker
hatmakers
hatpin
hatpins
hatrack
hatracks
hatred
hatreds
hats
hatsful
hatted
hatter
hatteria
hatterias
hatters
havdalah
havdalahs
have
havelock
havelocks
haven
havened
havening
havens
haver
havered
haverel
haverels
havering
havers
haves
having
havior
haviors
haviour
haviours
havoc
havocked
havocker
havockers
havocking
havocs
haw
hawed
hawfinch
hawfinches
hawing
hawk
hawkbill
hawkbills
hawked
hawker
hawkers
hawkey
hawkeys
hawkie
hawkies
hawking
hawkings
hawkish
hawklike
hawkmoth
hawkmoths
hazanim
hazans
hazard
hazarded
hazarding
hazardous
hazards
haze
hazed
hazel
hazelly
hazelnut
hazelnuts
hazels
hazer
hazers
hazes
hazier
haziest
hazily
haziness
hazinesses
hazing
hazings
hazy
hazzan
hazzanim
hazzans
he
head
headache
headaches
headachier
headachiest
headachy
headband
headbands
headdress
headdresses
headed
header
headers
headfirst
headgate
headgates
headgear
headgears
headhunt
headhunted
headhunting
headhunts
header
headiest
headily
heading
headings
headlamp
headlamps
headland
headlands
headless
headlight
headlights
headline
headlined
headlines
headlining
headlock
headlocks
headlong
headman
headmaster
headmasters
headmen
headmistress
headmistresses
headmost
headnote
headnotes
headphone
headphones
headpin
headpins
headquarter
headquartered
headquartering
headquarters
headrace
headraces
headrest
headrests
headroom
headrooms
heads
headsail
headsails
hearers
hearing
hearings
hearken
hearkening
hearkens
hears
hearsay
hearsays
hearse
hearsed
hearses
hearsing
heart
heartache
heartaches
heartbeat
heartbeats
heartbreak
heartbreaking
heartbreaks
heartbroken
heartburn
heartburns
hearted
hearten
heartened
heartening
heartens
hearth
hearths
hearthstone
hearthstones
heartier
hearties
heartiest
heartily
heartiness
heartinesses
hearting
heartless
heartrending
hearts
heartsick
heartsickness
heartsicknesses
heartstrings
heavyset
heavyweight
heavyweights
hebdomad
hebdomads
hebetate
hebetated
hebetates
hebetating
hebetudine
hebetudes
hebraize
hebraized
hebraizes
hebraizing
hecatomb
hecatombs
heck
heckle
heckled
heckler
hecklers
heckles
heckling
hecks
hectare
hectares
hectic
hectical
hectically
hectically
hector
hectored
hectoring
hectors
hedge
hedged
hedgehog
hedgehogs
hedgehop
hedgehopped
hedgehopping
hedgehops
heeltap
heeltaps
heeze
heezeed
heezes
heezeing
heft
hefted
hefter
hefters
heftier
heftiest
heftily
hefting
hefts
hefty
hegari
hegaris
hegemonies
hegemony
hegira
hegiras
hegumen
hegumene
hegumenes
hegumenies
hegumens
hegumeny
heif
heifers
heigh
height
heighten
heightened
heightening
heightens
heighth
heights
heil
heiled
heiling
heils
heinie
heinies
heinous
heinously
heinousness
heinousnesses
heir
heirdom
heirdoms
heired
heiress
heiresses
heiring
heirless
heirloom
heirlooms
heirs
heirship
heirships
heist
heisted
heister
heisters
heisting
heists
hejira
hejiras
hektare
hektares
held
heliac
heliacal
heliast
heliasts
helical
helices
helicities
helicity
helicoid
helicoids
helicon
helicons
helicopt
helicopted
helicopter
helicopters
helicopting
helicopts
helio
helios
heliotrope
helipad
helipads
heliport
heliports
helistop
helistops
helium
heliums
helix
helixes
hell
hellbent
hellbox
hellboxes
hellcat
hellcats
helled
heller
helleri
helleries
hellers
hellery
hellfire
hellfires
hellgrammite
hellgrammites
hellhole
hellholes
helling
hellion
hellions
hellish
hellkite
hellkites
hello
helloed
helloes
helloing
hellos
hells
helluva
helm
helmed
helmet
helmeted
helmeting
helmets
helming
helminth
helminths
helmless
helms
helmsman
helmsmen
helot
helotage
helotages
helotism
helotisms
helotries
helotry
helots
help
helpable
helped
helper
helpers
helpful
helpfully
helpfulness
helpfulnesses
helping
helpings
helpless
helplessly
helplessness
helplessnesses
helpmate
helpmates
helpmeet
helpmeets
helps
helve
helved
helves
helving
hem
hemagog
hemagogs
hemal
hematal
hematal
hematein
hemateins
hematic
hematics
hematin
hematine
hematines
hematins
hematite
hematites
hematocrit
hematoid
hematologic
hematological
hematologies
hematologist
hematologists
hematology
hematoma
hematomas
hematomata
hematopenia
hematuria
heme
hemes
hemic
hemin
hems
hemiola
hemiolas
hemipter
hemipters
hemisphere
hemispheres
hemispheric
hemispherical
hemline
hemlines
hemlock
hemlocks
hemmed
hemmer
hemmers
hemming
hemocoel
hemocoels
hemocyte
hemocytes
hemoglobin
hemoid
hemolyze
hemolyzed
hemolyzes
hemolyzing
hemophilia
heralding
heraldries
heraldry
heralds
herb
herbaceous
herbage
herbages
herbal
herbals
herbaria
herbicidal
herbicide
herbicides
herbier
herbiest
herbivorous
herbivorously
herbless
herblike
herbs
herby
herculean
hercules
herculeses
herd
herded
herder
herders
herdic
herdics
herding
herdlike
herdman
herdmen
herds
herdsman
herdsmen
here
hereabout
hereabouts
hereafter
hereafters
hereat
hereaway
hereby
heredes
hereditary
heredities
heredity
herein
hereinto
hereof
hereon
heres
heresies
heresy
heretic
heretical
heretics
hereto
heretofore
heretrices
heretrix
heretrixes
hereunder
hereunto
hereupon
herewith
heriot
heriots
heritage
heritages
heritor
heritors
heritrices
heritrix
heritrixes
herl
herls
herm
herma
hermae
hermaean
hermai
hermaphroditic
hermaphrodites
hermaphroditic
hermetic
hermetically
hermit
hermitic
hermitries
hermitry
hermits
herms
hi
hiatal
hiatus
hiatuses
hibachi
hibachis
hibernal
hibernate
hibernated
hibernates
hibernating
hibernation
hibernations
hibernator
hibernators
hibiscus
hibiscuses
hic
hiccough
hiccoughed
hiccoughing
hiccoughs
hiccup
hiccuped
hiccuping
hiccupped
hiccupping
hiccups
hick
hickey
hickeys
hickories
hickory
hicks
hid
hidable
hidalgo
hidalgos
hidden
hiddenly
hide
hideaway
hideaways
hided
hideless
hideous
hideously
hideousness
highjacking
highjacks
highland
highlander
highlanders
highlands
highlight
highlighted
highlighting
highlights
highly
highness
highnesses
highroad
highroads
highs
hight
hightail
hightailed
hightailing
hightails
highted
hight
highth
highths
highting
hights
highway
highwayman
highwaymen
highways
hijack
hijacked
hijacker
hijackers
hijacking
hijacks
hijinks
hike
hiked
hiker
hikers
hikes
hiking
hila
hilar
hilarious
hilariously
hilarities
hitherto
hitless
hits
hitter
hitters
hitting
hive
hived
hiveless
hiver
hives
hiving
ho
hoactzin
hoactzines
hoactzins
hoagie
hoagies
hoagy
hoar
hoard
hoarded
hoarder
hoarders
hoarding
hoardings
hoards
hoarfrost
hoarfrosts
hoarier
hoariest
hoarily
hoariness
hoarinesses
hoars
hoarse
hoarsely
hoarsen
hoarsened
hoarseness
hoarsenesses
hoarsening
hoarsens
hoarser
hoarser
hoarset
hoary
hoatzin
hoatzines
hoatzins
hoax
hoaxed
hoaxer
hoaxers
hoaxes
hoaxing
hob
hobbled
hobbies
hobbing
hobble
hobbled
hobbler
hobblers
hobbles
hobbling
hobby
hobbyist
hobbyists
hobgoblin
hobgoblins
hoblike
hobnail
hobnailed
hobnails
hobnob
hobnobbed
hobnobbing
hobnobs
hobo
hoboed
hoboed
hoboes
hoboing
hoboism
hoboisms
hobos
hobs
hock
hocked
hocker
hockers
hockey
hockeys
hocking
hocks
hockshop
hockshops
hocus
hocused
hocuses
hocusing
hocussed
hocusses
hocussing
hod
hodad
hodaddies
hodaddy
hodads
hodden
hoddens
hoddin
hoddins
hodgepodge
hodgepodges
hods
hoe
hoecake
hoecakes
hoed
hoedown
hoedowns
hoeing
hoelike
hoer
hoers
hoes
hog
hogan
hogans
hogback
hogbacks
hogfish
hogfishes
hogg
hogged
hogger
hoggers
hogging
hoggish
hogs
hoglike
hogmanay
hogmanays
hogmane
hogmanes
hogmenay
hogmenays
hognose
hognoses
hognut
hognuts
hogs
hogshead
hogsheads
hogtie
hogtied
hogtieing
hogties
hogtying
hogwash
hogwashes
hogweed
hogweeds
hoick
hoicked
hoicking
hoicks
hoiden
hoidened
hoidening
hoidens
hoise
hoised
hoises
hoising
hoist
hoisted
hoister
hoisters
hoisting
hoists
hoke
hoked
hokes
hokey
hoking
hokku
hokum
hokums
hokypokies
hokypoky
holard
holks
holla
hollaed
hollaing
holland
hollands
hollas
holler
hollerer
hollering
hollers
hollies
hollo
holloa
holloaed
holloaing
holloas
holloed
holloes
holloing
holloo
hollooed
hollooing
holloos
hollos
hollow
hollowed
hollerer
hollowest
hollowing
hollowly
hollowness
hollownesses
hollows
holly
hollyhock
hollyhocks
holm
holmic
holmium
holmiums
holms
holocaust
holocausts
hologram
holograms
hologynies
hologyny
holotype
holotypes
holozoic
holp
holpen
holstein
holsteins
holster
holsters
holt
holts
holy
holyday
holydays
holytide
holytides
homage
homaged
homager
homagers
homages
homaging
hombre
hombres
homburg
homburgs
home
homebodies
homebody
homebred
homebreds
homecoming
homecomings
homed
homeland
homelands
homeless
homelier
homeliest
homelike
homeliness
homelinesses
homely
homemade
homemaker
homemakers
homemaking
homemakings
homer
homered
homering
homeroom
homerooms
homers
homes
homesick
homesickness
homesicknesses
homesite
homesites
homespun
homespuns
homestead
homesteader
homesteaders
homesteads
homestretch
homestretches
hometown
hometowns
homeward
homewards
homework
homeworks
homey
homicidal
homicide
homicides
homier
homiest
homiletic
homilies
homilist
homilists
homily
hominess
hominesses
homing
hominian
hominians
hominid
hominids
hominies
hominine
hominoid
hominoids
hominy
hommock
hommocks
homo
homogamies
homogamy
homogeneities
homogeneity
homogeneous
homogeneously
homogeneousness
homogeneousnesses
homogenies
homogenize
homogenized
homogenizer
homogenizers
homogenizes
homogenizing
homogeny
homogonies
homogony
homograph
homographs
homolog
homologies
homologs
homology
homonym
homonymies
homonymys
homonymy
homophone
homophones
homos
homosexual
homosexuals
homy
honan
honans
honcho
honchos
honda
hondas
hondle
hondled
hondling
hone
honed
honer
honers
hones
honest
honester
honestest
honesties
honestly
honesty
honewort
honeworts
honey
honeybee
honeybees
honeybun
honeybuns
honeycomb
honeycombed
honeycombing
honeycombs
honeydew
honeydews
honeyed
honeyful
honeying
honeymoon
honeymooned
honeymooning
honeymoons
honeys
honeysuckle
honeysuckles
hong
hongs
honied
honing
honk
honked
honker
honkers
honkey
honkeys
honkie
honkies
honking
honks
honky
honor
honorable
honorably
honorand
honorands
honoraries
honorarily
horary
honoree
honorees
honorer
honers
honoring
honors
honour
honoured
honourer
honourers
honouring
honours
hooch
hooches
hood
hooded
hoodie
hoodies
hooding
hoodless
hoodlike
hoodlum
hoodlums
hoodoo
hoodooed
hoodooing
hoodoos
hoods
hoodwink
hoodwinked
hoodwinking
hoodwinks
hooey
hooeys
hoof
hoofbeat
hoofbeats
hoofed
hoofer
hosts
hot
hotbed
hotbeds
hotblood
hotbloods
hotbox
hotboxes
hotcake
hotcakes
hotch
hotched
hotches
hotching
hotchpot
hotchpots
hotdog
hotdogged
hotdogging
hotdogs
hotel
hotelier
hoteliers
hotelman
hotelmen
hotels
hotfoot
hotfooled
hotfooting
hotffoots
hothead
hotheaded
hotheadedly
hotheadedness
hotheadednesses
hotheads
hothouse
hothouses
hotly
hotness
hotnesses
hotpress
hotpressed
hotpresses
hotpressing
hotrod
hotrods
hots
hotshot
hotshots
hotspur
hotspurs
hotted
hotter
hottest
hotting
hottish
houdah
houdahs
hound
hounded
hounder
hounders
hounding
hounds
hour
hourglass
hourglasses
houri
hourly
hours
house
houseboat
houseboats
houseboy
houseboys
housebreak
housebreaks
housebroken
houseclean
housecleaned
housecleaning
housecleanings
housecleans
housed
houseflies
housefly
houseful
housefuls
household
householder
householders
households
housekeeper
housekeepers
howdahs
howdie
howdies
howdy
howe
howes
however
howf
howff
howffs
howfs
howitzer
howitzers
howk
howked
howking
howks
howl
howled
howler
howlers
howlet
howlets
howling
howls
hows
hoy
hoyden
hoydened
hoydening
hoydens
hoyle
hoyles
hoys
huarache
huaraches
huaracho
huarachos
hub
hubbies
hubbub
hubbubs
hubby
hubcap
hubcaps
hubris
hubrises
hubs
huck
huckle
huckleberries
huckleberry
huckles
hucks
huckster
huckstered
huckstering
hucksters
huddle
huddled
huddler
huddlers
huddles
huddling
hue
hued
hueless
hues
huff
huffed
huffier
huffiest
huffily
huffing
huffish
huffs
huffy
hug
huge
hugely
hugeness
hugenesses
hugeous
huger
hugest
huggable
hugged
hugger
huggers
hugging
hugs
huh
huic
hula
hulas
hulk
hulked
hulkier
hulkiest
hulking
hulks
hulky
hull
hullabaloo
hullabalooos
hulled
huller
hullers
hulling
hullo
hulloa
hulloaed
hulloaing
hulloas
hulloed
hulloes
hulloing
hullos
hulls
hum
human
humane
humanely
humaneness
humanenesses
humaner
humanest
humanise
humanised
humanises
humanising
humanism
humanisms
humanist
humanistic
humanists
humanitarian
humanitarianism
humanitarianisms
humanitarians
humanities
humanity
humanization
humanizations
humanize
humanized
humanizes
humanizing
humankind
humankinds
humanly
humanness
humannesses
humanoid
humanoids
humans
humate
humates
humble
humbled
humbleness
humblenesses
humbler
humblers
humbles
humblest
humbling
humbly
humbug
humbugged
humbugging
humbugs
humdrum
humdrums
humeral
humerals
 humeri
humerus
humic
humid
humidification
humidifications
humidified
humidifier
humidifiers
humidifies
humidify
humidifying
humidities
humidity
humidly
humidor
humidors
humified
humiliate
humiliated
humiliates
humiliating
humiliatingly
humiliation
humiliations
humilities
humility
hummable
hummed
hummer
hummers
humming
hummingbird
hummingbirds
hummock
hummocks
hummocky
humor
humoral
humored
humorful
humoring
humorist
humorists
humorless
humorlessly
humorlessness
humorlessnesses
humorous
humorously
humorousness
humorousnesses
humors
humour
humoured
humouring
humours
hump
humpback
humpbacked
humpbacks
humped
humph
humphed
humphing
humphs
humpier
humpiest
humping
humpless
humps
humpy
hums
humus
humuses
hun
hunch
hunchback
hunchbacked
hunchbacks
hunched
hunches
hunching
hundred
hundreds
hundredth
hundredths
hung
hunger
hungered
hungering
hangers
hungerier
hungriest
hungrily
hungry
hunk
hunker
hunkered
hunkering
hunkers
hunkies
hunks
hunky
hunnish
huns
hunt
huntable
hunted
huntedly
hunter
hunters
hurting
hurtle
hurtled
hurts
husband
husbanded
husbanding
husbandries
husbandry
husbands
hush
hushaby
hushed
hushedly
hushes
hushful
hushing
husk
husked
husker
huskers
huskier
huskies
huskiest
huskily
huskiness
huskinesses
husking
huskings
husklike
husks
husky
hussar
hussars
hussies
hussy
hustings
hustle
hustled
hustler
hustlers
hustles
hustling
huswife
huswifes
huswives
hut
hutch
hutched
hutches
hutching
hutlike
hutment
hutments
huts
hutted
hutting
hutzpa
hutzpah
hutzpahs
hutzpas
huzza
huzzaed
huzzaed
huzzaed
huzzaing
huzzah
huzzahed
huzzahing
huzzahs
huzzahing
huzzas
hwan
hyacinth
hyacinths
hyaena
hyaenas
hyaenic
hyalin
hyaline
hyalines
hyalins
hyalite
hyalites
hyalogen
hyalogens
hyaloid
hyaloids
hybrid
hybridization
hybridizations
hybridize
hybridized
hybridizer
hybridizers
hybridizes
hybridizing
hybrids
hybris
hybrises
hydatid
hydatids
hydra
hydric
hydric
hydric
hydric
hydric
hydric
hydric
hydracid
hydracids
hydrae
hydrae
hydragogs
hydrant
hydranth
hydranth
hydrants
hydras
hydrase
hydrases
hydrate
hydrated
hydrates
hydrating
hydrator
hydrators
hydraulic
hydraulics
hydrria
hydriae
hydric
hydrid
hydricle
hydricle
hydricle
hydricle
hydrocarbon
hydrocarbons
hydrochloride
hydroelectric
hydroelectrically
hydroelectricities
hydropower
hydros
hydrogels
hydrogen
hydrogenous
hydrogens
hydroid
hydroids
hydromel
hydromels
hydronic
hydrophobia
hydrophobias
hydropic
hydroplane
hydroplanes
hydrops
hydropses
hydropsies
hydropsy
hydros
hydrosol
hydrosols
hydrous
hydroxy
hydroxyl
hydroxyls
hydroxyurea
hyena
hyenas
hyenic
hyenine
hyenoid
hyetal
hygeist
hygeists
hygieist
hygieists
hygiene
hygienes
hygienic
hygienically
hygrometer
hygrometers
hygrometries
hygrometry
hying
hyla
hylas
hylozoic
hymen
hymenal
hymeneal
hymeneals
hymenia
hymenal
hymenium
hymeniums
hymens
hymn
hymnal
hymnals
hymnaries
hymnary
hymnbook
hymnbooks
hymned
hymning
hymnist
hymnists
hymnless
hymnlike
hymnodies
hymnody
hymns
hyoid
hyoidal
hyoidean
hyoids
hyoscine
hyoscines
hyp
hype
hyperacid
hyperacidities
hyperacidity
hyperactive
hyperacute
hyperadrenalism
hyperaggressive
hyperaggressiveness
hyperaggressivenesses
hyperanxious
hyperbole
hyperboles
hypercalcemia
hypercalcemias
hypercautious
hyperclean
hyperconscientious
hypercorrect
hypercritical
hyperemotional
hyperenergetic
hyperexcitable
hyperfastidious
hypergol
hypergols
hyperintense
hypermasculine
hypermilitant
hypermoralistic
hypernationalistic
hyperon
hyperons
hyperope
hyperopes
hyperreactive
hyperrealistic
hyperromantic
hypersensitive
hypersensitiveness
hypersensitivenesses
hypersensitivities
hypersensitivity
hypersexual
hypersusceptible
hypersuspicious
hypertense
hypertension
hypertensions
hypertensive
hypertensives
hyperthermia
hyperthyroidism
hyperuricemia
hypervigilant
hypes
hypha
hyphae
hyphal
hyphemia
hyphemias
hyphen
hyphenate
hyphenated
hyphenates
hyphenating
hyphenation
hyphenations
hyphened
hyphenation
hyphen
hypnic
hypnoid
hypnoses
hypnosis
hypnotic
hypnotically
hypnotics
hypnotism
hypnotisms
hypnotizable
hypnotize
hypnotized
hypnotizes
hypnotizing
hypo
hypoacid
hypocalcemia
hypochondria
hypochondriac
hypochondriacs
hypochondrias
hypocrisies
hypocrisy
hypocrite
hypocrites
hypocritical
hypocritically
hypoderm
hypodermic
hypodermics
hypoderms
hypoed
hypogea
hypogeal
hypogean
hypogene
hypogeum
hypogynes
hypogyny
hypoing
hypokalemia
hyponea
hyponeas
hyponoia
hyponoias
hypopnea
hypopneas
hypopyon
hypopyons
hypos
hypotension
hypotensions
hypotenuse
hypotenuses
hypothee
hypothescs
hypotheses
hypothesis
hypothetical
hypothetically
hypothyroidism
hypoxia
hypoxias
hypoxic
hyps
hyraces
hyracoid
hyracoids
hyrax
hyraxes
hyson
hysons
hyssop
hyssops
hysterectomies
hysterectomy
hysteria
hysterias
hysterial
hysterically
hysteric
hysteric
iamb
iambi
iambic
iambics
iambic
iambus
iambuses
idiot
idiotic
idiotically
idiotism
idiotisms
idiots
idle
idled
idleness
idenesses
idler
idlers
idles
idlesse
idlesses
idlest
idling
idy
idocrase
idocrases
idol
idolater
idolaters
idolatries
idolatrous
idolatry
idolise
idolised
idoliser
idolisers
idolises
idolising
idolism
idolisms
idolize
idolized
idolizer
idolizers
idolizes
idolizing
idols
idoneities
idoneity
idoneous
ids
idy
idylist
idylists
ignore
ignored
ignorer
ignorers
ignores
ignoring
iguana
iguanas
iguanian
iguanians
ihram
ihrams
ikebana
ikebanas
ikon
ikons
ilea
ileac
ileal
ileitides
ileitis
ileum
ileus
ileuses
ilex
ilexes
ilia
iliac
iliad
iliads
ilial
ilium
ilk
ilka
ilks
ill
illation
illations
illative
illatives
illegal
illegalities
illegality
illegally
illegibilities
illegibility
illegible
illegibly
illegitimacies
illegitimacy
illegitimate
illegitimately
illicit
illicitly
illimitable
illimitably
illinium
illiniums
illiquid
illite
illiteracies
illiteracy
illiterate
illiterates
illites
illitic
illnaturedly
illness
illnesses
illogic
illogical
illogically
illogics
ills
illume
illumed
illumes
illuminate
illuminated
illuminates
illuminating
illuminatingly
illumination
illuminations
illumine
illumined
illumines
illuming
illumining
illusion
illusions
illusive
illusory
illustrate
illustrated
illustrates
imbosoming
imbosoms
imbower
imbowered
imbowering
imbowers
imbroglio
imbroglios
imbrown
imbrowned
imbrowning
imbrows
imbrue
imbruised
imbruises
imbruing
imbrute
imbruted
imbrutes
imbruting
imbue
imbued
imbues
imbuing
imid
imide
imides
imidic
imido
imids
imine
imines
imino
imitable
imitate
imitated
imitates
imitating
imitation
imitations
imitator
imitators
immaculate
immaculately
immane
immanent
immaterial
immaterialities
impaled
impalement
impalements
impaler
impalers
impales
impaling
impalpable
impalpably
impanel
impaneled
impaneling
impanelled
impanelling
impanels
imparities
imparity
impark
imparked
imparking
imparks
impart
impacted
imparter
imparters
impartialities
impartiality
impartially
imparting
imparts
impassable
impasse
impasses
impassioned
impassive
impassively
impassivities
impassivity
impaste
impasted
impastes
impasting
impasto
impastos
impatience
impatiences
impatiens
impatient
impatiently
impavid
impawn
impawned
impawning
impawns
impeach
impeached
impeaches
impeaching
impeachment
impeachments
impearl
impearled
impearling
impearls
impeccable
impeccably
impecunious
impecuniousness
impecuniousnesses
imped
impedance
impedances
impede
impeded
impeder
impeders
impedes
impediment
impediments
impeding
impel
impelled
impeller
impellers
impelling
impellor
impellors
impels
impend
impended
impending
impends
impenetrabilities
impenetrability
impenetrable
impenetrably
impenitence
impenitences
impenitent
imperative
imperatively
imperatives
imperceptible
imperceptibly
imperfection
imperfections
imperfectly
imperia
imperial
imperialism
imperialist
imperialistic
imperials
imperil
imperiled
imperiling
imperilled
imperilling
imperils
imperious
imperiously
imperishable
imperium
imperiums
impermanent
impermanently
impermeable
impermissible
impersonal
impersonally
impersonate
impersonated
impersonates
impersonating
impersonation
impersonations
impersonator
impersonators
impertinence
impertinences
impertinent
impertinently
imperturbable
impervious
impetigo
impetigos
impetuous
impetuousities
impetuousity
impetuously
impetus
impetuses
imphee
imphees
impi
impieties
impity
imping
impinge
impinged
impingement
impingements
impinger
impingers
impinges
impinging
impings
impious
impis
impish
impishly
impishness
impishnesses
implacabilties
implacability
implacable
implacably
implant
implanted
implanting
implants
implausibilities
implausibility
implausible
implead
impleaded
impleading
impleads
impledge
impledged
impledges
impledging
impoverish
impoverished
impoverishes
impoverishing
impoverishment
impoverishments
impower
impowered
impowering
impowers
impracticable
impractical
imprecise
imprecisely
impreciseness
imprecisenesses
imprecision
impregabilities
impregability
impregnable
impregn
impregnate
impregnated
impregnates
impregnating
impregnation
impregnations
impregned
impregnning
impregnns
impresa
impresario
impresarios
impresas
imprese
impreses
impress
impressed
impresses
impressible
impressing
impression
impressionable
impressions
impressive
impressively
impressiveness
impressivenesses
inactivates
inactivating
inactive
inactivities
inactivity
inadequacies
inadequacy
inadequate
inadequately
inadmissibility
inadmissible
inadvertence
inadvertences
inadvertencies
inadvertency
inadvertent
inadvertently
inadvisabilities
inadvisability
inadvisable
inalienabilities
inalienability
inalienable
inalienably
inane
inanely
inaner
inanes
inanest
inanimate
inanimately
inanimateness
inanimatenesses
inanities
inanition
inanitions
inanity
inapparent
inapplicable
inapposite
inappositely
inappositeness
inappositenesses
inappreciable
inappreciably
inappreciative
inapproachable
inappropriate
inappropriately
inappropriateness
inappropriatenesses
inapt
inaptly
inarable
inarch
inarched
inarches
inarching
inarguable
inarm
inarmed
inarming
inarms
inarticulate
inarticulately
inartistic
inartistically
inattention
inattentions
inattentive
inattentively
inattentiveness
inattentivenesses
inaudible
inaudibly
inaugurate
inaugurated
inaugurates
inaugurating
inauguration
inaugurations
inauspicious
inauthentic
inbeing
inbeings
inboard
inboards
inborn
inbound
inbounds
inbred
inbreed
inbreeding
inbreedings
inbreeds
inbuilt
incitants
incite
incited
incitement
incitements
inciter
inciters
incites
inciting
incivil
incivilities
incivility
inclasp
inclaspd
inclaspers
inclaspings
inclasps
inclasmencies
inclasmency
inclement
inclination
inclinations
incline
inclined
inliner
inliners
inclines
inclining
inclip
inclipped
inclipping
inclips
inclose
inclosed
incloser
inclosers
incloses
inclosing
inclosure
inclosures
include
included
includes
including
inclusion
inclusions
inclusive
incog
incognito
incogs
incoherence
incoherences
incoherent
incoherently
incohesive
incombustible
income
incomer
incomers
incomes
incoming
incoming
incomings
incommensurate
incommodious
incommunicable
incommunicado
incomparable
incompatibility
incompatible
incompetence
incompetences
incompetencies
incompetency
incompetent
incompetents
incomplete
incompletely
incompleteness
incompletenesses
incomprehensible
inconceivable
inconceivably
inconclusive
incongruent
incongruities
incongruity
incongruous
incongruously
inconnu
inconnus
inconsecutive
inconsequence
inconsequences
inconsequential
inconsequentially
inconsiderable
inconsiderate
inconsiderately
inconsiderateness
inconsideratenesses
inconsistencies
inconsistency
inconsistent
inconsistently
inconsolable
inconsolably
inconspicuous
inconspicuously
inconstancies
inconstancy
inconstant
inconstantly
inconsumable
incontestable
incontestably
incontinence
incontinences
inconvenience
inconvenienced
inconvenience
inconveniences
inconveniencing
inconvenient
inconveniently
incony
incorporate
incorporated
incorporates
incorporating
incorporation
incorporations
incorporeal
incorporeally
incorpse
incorpsed
incorpses
incorpsing
incorrect
incorrectly
incorrectness
incorrectnesses
incorrigibilities
incorrigibility
incorrigible
incorrigibly
incorruptible
indictments
indictor
indictors
indicts
indifference
indifferences
indifferent
indifferently
indigen
indigence
indigences
indigene
indigenes
indigenous
indigens
indigent
indigents
indigestible
indigestion
indigestions
indign
indignant
indignantly
indignation
indignations
indignities
indignity
indignly
indigo
indigoes
indigoid
indigoids
indigos
indirect
indirection
indirections
indirectly
indirectness
indirectnesses
indiscernible
indiscreet
indiscretion
indiscretions
indiscriminate
indiscriminately
indispensabilities
indispensability
indispensable
indoor
indoors
indorse
indorsed
indorsee
indorsees
indorser
indorsers
indorses
indorsing
indorser
indorsors
indow
indowed
indowing
indows
indoxyl
indoxyls
indraft
indrafts
indrawn
indri
indris
indubitable
indubitably
induce
induced
inducement
inducements
inducer
inducers
induces
inducing
induct
inducted
inductee
inductees
inducting
induction
inductions
inductive
inductor
inductors
inducts
indue
indued
indues
induing
indulge
indulged
indulgence
indulgent
indulgently
indulger
indulgers
indulges
indulging
indulin
induline
indulines
indulns
indult
indults
indurate
indurated
indurates
indurating
indusia
indusial
indusium
industrial
industrialist
industrialization
industrializations
industrialize
industrialized
industrializes
industrializing
industrially
industries
industrious
industriously
industriousness
industriousnesses
industry
indwell
indwelling
indwells
indwelt
inearth
inearthed
inearthing
inearths
inebriate
inebriated
inebriates
inebriating
inebriation
inebriations
inedible
inedita
inedited
ineducable
ineffable
ineffably
ineffective
ineffectively
ineffectiveness
ineffectivenesses
ineffectual
ineffectually
ineffectualness
ineffectualnesses
inefficiency
inefficient
inefficiently
inelastic
inelasticities
inelasticity
inelegance
inelegances
inelegant
ineligibility
ineligible
inept
ineptitude
ineptitudes
ineptly
ineptness
ineptnesses
inequalities
inequality
inequities
inequity
ineradicable
inerrant
inert
inertia
inertiae
inertial
inertias
inertly
inertness
inertnesses
inerts
inevitable
inescapably
inescapable
inescapabilities
inessential
inestimable
inestimably
inestitabilities
inevitability
inevitably
inexact
inexcusable
inexcusably
inexhaustible
inexhaustibly
inexorable
inexorably
inexpedient
inexpensive
inexperience
inexperienced
inexpert
inexpertly
inexpertness
inexpertnesses
inexperts
inexplicable
inexplicably
inexplicit
inexpressible
inexpressibly
inextinguishable
inextricable
inextricably
infallibility
infallible
infallibly
infamies
infamous
infamously
infamy
infancies
infancy
infant
infanta
infantas
infante
infantes
infantile
infantries
infantry
infants
infarct
infarcts
infare
infares
infatuate
infatuated
infatuates
infatuating
infatuation
infatuations
infauna
infaunae
infaunal
infaunas
infeasibilities
infeasibility
infeasible
infect
infected
infector
infectors
infecting
infection
infections
infectious
infective
infector
infectors
infects
insecund
infelicities
infelicitous
infelicity
infeoff
infeoffed
infeoffing
infeoffs
infer
inference
inferred
inferences
inferencing
inferential
inferior
inferiority
inferiors
infernal
infernally
inferno
infernos
inferred
inferrer
inferrers
inferring
infers
infertile
infertilities
infertility
infest
infestation
infestations
infested
infester
infesters
infesting
infests
infidel
infidelities
infidelity
infidels
infield
infielder
infielders
infields
infiltrate
infiltrated
infiltrates
infiltrating
infiltration
infiltrations
infinite
infinitely
infinities
infinitesimal
infinitesimally
infinities
infinitive
infinitives
infinitude
infinitudes
infinity
infirm
infirmaries
infirmary
inferred
infirming
infirmities
infirmity
infirmly
infrms
infix
infixad
infixes
infixing
infixion
infixions
inflate
inflamed
inflamer
inflamer
inflames
inflating
inflammable
inflammation
inflammations
inflammatory
inflatable
inflate
inflated
inflater
inflaters
inflatees
inflating
inflation
inflationary
inflator
inflators
inflct
inflected
inflected
inflecting
inflection
inflectional
inflections
inflects
infixed
inflexibilities
inflexibility
inflexible
inflexibly
inflict
inflicted
inflicting
infliction
inflictions
inflicts
inflight
inflow
inflows
influence
influences
influential
influents
influenza
influenzas
influx
influxes
info
infold
infolded
infolder
infolders
infolding
infolds
inform
informal
informalities
informality
informally
informant
informants
information
informational
informations
informative
informed
informer
informers
informing
informs
infos
infra
infract
infracted
infracting
infracting
infractions
ingests
ingle
inglenook
inglenooks
ingles
inglorious
ingloriously
ingoing
ingot
ingoted
ingoting
ingots
ingraft
ingrafted
ingrafting
ingrafts
ingrain
ingrained
ingraining
ingrains
ingrate
ingrates
ingratiate
ingratiated
ingratiate
ingratiating
ingratitude
ingratitudes
ingredient
ingredients
ingress
ingresses
ingroup
ingroups
ingrown
ingrowth
ingrowths
inguinal
ingulf
ingulfed
ingulfing
ingulfs
inhabit
inhabitable
inhabitant
inhabited
inhabiting
inhabits
inhalant
inhalants
inhalation
inhalations
inhale
inhaled
inhaler
inhalers
inhales
inhaling
inhaul
inhauler
inhaulers
inhauls
inhares
inhaled
inherent
inherently
inheres
inhaling
inherit
inheritance
inheritances
inherited
inheriting
inheritor
inheritors
inherits
inhesion
inhesions
inhibit
inhibited
inhibiting
inhibition
inhibitions
inhibits
inhuman
inhumane
inhumanely
inhumanities
inhumanity
inhumanly
inhume
inhumed
inhumer
inhumers
inhumes
inhuming
inia
inimical
inimically
inimitable
inion
iniquities
iniquitous
iniquity
initial
initialed
initialing
initialization
initializations
initialize
initialized
initializes
initializing
initialled
initialling
initially
initials
 initiate
initiated
initiates
initiating
initiation
initiations
initiative
initiatory
inject
injected
injecting
injection
injections
injector
injectors
injects
injudicious
injudiciously
injudiciousness
injudiciousnesses
injunction
injunctions
injure
injured
injurer
injurers
injures
inside
insider
insiders
insides
insidious
insidiously
insidiousness
insidiousnesses
insight
insightful
insights
insigne
insignia
insignias
insignificant
insincere
insincerely
insincerities
insincerity
insinuate
insinuated
insinuates
insinuating
insinuation
insinuations
insipid
insipidities
insipidity
insipidus
insist
insisted
insistence
insistences
insistent
insistently
insister
insisters
insisting
insists
insnare
insnared
insnarer
insnarers
insnares
insnaring
insobar
insolated
insolates
insolating
insole
insolence
insolences
insolent
insolents
insoles
insolubilities
insolubility
insoluble
insolvencies
insolvency
insolvent
insomnia
insomnias
insomuch
insouciance
insouciances
insouciant
insoul
insouled
insouling
insouls
inspan
inspanned
inspanning
inspans
inspect
inspected
inspecting
inspection
inspections
inspector
inspectors
inspects
insphere
insphered
inspheres
insphering
inspiration
inspirational
inspirations
inspire
inspired
inspirer
inspirers
inspires
inspiring
inspirit
inspired
inspiring
inspirits
instabilities
instability
instable
instal
install
installation
installations
installed
installing
installment
installments
installs
instal
instance
instanced
instances
instancies
instancing
instancy
instant
instantaneous
instantaneously
instantly
instants
instar
instarred
instarring
instars
instate
instated
instates
instating
instead
instep
insteps
instigate
instigated
instigates
instigating
instigation
instigations
instigator
instigators
intelligibly
intemperance
intemperances
intemperate
intemperateness
intemperatenesses
intend
intended
intendeds
intender
intenders
intending
intends
intense
intensely
intenser
intensest
intensification
intensifications
intensified
intensifies
intensify
intensifying
intensities
intensity
intensive
intensively
intent
intention
intentional
intentionally
intentions
intently
intentness
intentnesses
ints
inter
interact
interacted
interacting
interaction
interactions
interactive
interactively
interacts
interagency
interatomic
interbank
interborough
interbred
interbreed
interbreeding
interbreeds
interbusiness
intercalate
intercalated
intercalates
intercalating
intercalation
intercalations
intercampus
intercede
interceded
intercedes
interceding
intercept
intercepted
intercepting
interception
interceptions
interceptor
interceptors
intercepts
intercession
intercessions
intercessor
intercessors
intercessory
interchange
interchangeable
interchangeably
interchanged
interchanges
interchanging
interchurch
intercity
interclass
intercoastal
intercollegiate
intercolonial
intercom
intercommunal
intercommunity
intercompany
intercoms
intercontinental
interconversion
intercounty
intercourse
intercourses
intercultural
intercurrent
intercut
intercuts
intercutting
interdenominational
interdepartmental
interdependence
interdependences
interdependent
interdict
interdicted
interdicting
interdiction
interdictions
interdicts
interdivisional
interelectronic
interest
interested
interesting
interestingly
interests
interethnic
interface
interfaces
interfacial
interfaculty
interfamily
interfere
interfered
interference
interferences
interferes
interfering
interfiber
interfraternity
intergalactic
intergang
intergovernmental
intergroup
interhemispheric
interim
interims
interindustry
interinstitutional
interior
interiors
interisland
interject
interjected
interjecting
interjection
interjectionally
interjections
interjects
interlace
interlaced
interlaces
interlacing
interlaid
interlap
interlapped
interlapping
interlaps
interlard
interlards
interlay
interlaying
interlays
interleave
interleaved
interleaves
interleaving
interlibrary
interlinear
interlock
interlocked
interlocking
interlocks
interlope
interloped
interloper
interlopers
interlopes
interloping
interlude
interludes
intermarriage
intermarriages
intermarried
intermarries
internarry
internarrying
intermediaries
intermediary
intermediate
intermediates
interment
interments
interminable
interminably
intermingle
intermingled
intermingles
intermingling
intermission
intermissions
intermit
intermits
intermitted
intermittent
intermittently
intermitting
intermix
intermixed
intermixes
intermixing
intermixture
intermixtures
intermolecular
intermountain
intern
internal
internally
internals
international
internationalism
internationalisms
internationalize
internationalized
internationalizes
internationalizing
internationally
internationals
interne
interned
internee
internees
internes
interning
internist
internists
internment
internments
interns
internship
internships
interoceanic
interoffice
interparticle
interparty
interpersonal
interplanetary
interplay
interplays
interpolate
interpolated
interpolates
interpolating
interpolation
interpolations
interpopulation
interpuse
interposed
interposes
interposing
interposition
interpositions
interpret
interpretation
interpretations
interpretative
interpreted
interpreter
interpreters
interpreting
interpretive
interprets
interprovincial
interpupil
interquartile
interracial
interred
interreges
interregional
interrelate
interrelate
interrelated
interrelatedness
interrelatednesses
interrelates
interrelating
interrelation
interrelations
interrelationship
interreligious
interrex
interroking
interrogated
interrogates
interrogating
interrogation
interrogations
interrogative
interrogatives
interrogator
interrogators
interrogatory
interrupt
interrupted
interrupter
interrupters
interrupting
interruption
interruptions
interruptive
interrupts
inters
interscholastic
intersect
intersected
intersecting
intersection
intersectional
intersections
intersects
intersex
intersexes
intersperse
interspersed
intersperses
interspersing
interspersion
interspersions
interstate
interstellar
interstice
interstices
intersticial
interstitial
intersystem
interterm
interterminal
intertie
interties
intertribal
intertroop
intertropical
intertwine
intertwined
intertwines
intertwining
interuniversity
interurban
interval
intervalley
intervals
intervene
intervened
intervenes
intervening
interventions
interview
interviewed
interviewer
interviewers
interviewing
interviews
intervillage
interwar
interweave
interweaves
interweaving
interwoven
interzonal
interzone
intestate
intestinal
intestine
intestines
inthral
inthrall
inthralled
inthralling
inthralls
inthrals
inthrone
inthroned
inthrones
inthroning
intima
intimacies
intimacy
intimae
intimal
intimas
intimate
intimated
intimately
intimates
intimating
intimation
intimations
intime
intimidate
intimidated
intimidates
intimidating
intimidation
intimidations
intine
intines
intitle
intitled
intitles
intitling
intitule
intituled
intitules
intituling
into
intolerable
intolerably
intolerance
intolerances
intolerant
intomb
intombed
intombing
intombs
intonate
intonated
intonates
intonating
intonation
intonations
intone
intoned
intoner
intoners
intones
intoning
intort
intorted
intorting
intorts
intown
intoxicant
intoxicants
intoxicate
intoxicated
intoxicates
intoxicating
intoxications
intractable
intrados
intradoses
intramural
intransigence
intransigences
intransigent
intransigents
intrant
intrants
intravenous
intravenously
intreat
intreated
intreating
intreats
intrench
intrenched
intrenches
intrenching
intrepid
intrepidities
intrepidity
intrudes
intruding
intrusion
intrusions
intrusive
intrusiveness
intrusivenesses
intrust
intrusted
intrusting
intrusts
intubate
intubated
intubates
intubating
intuit
intuited
intuiting
intuition
intuitions
intuitive
intuitively
intuits
inturn
inturned
inturns
intwine
intwined
intwines
intwining
intwist
intwisted
intwisting
intwists
inulase
inulases
inulin
inulins
inundant
inundate
inundated
inundates
inundating
inundation
inundations
inurbane
inure
inured
inveteracies
inveteracy
inveterate
inviable
inviably
invidious
invidiously
invigorate
invigorated
invigorates
invigorating
invigoration
invigorations
invincibilities
invincibility
invincible
invincibly
inviolabilities
inviolability
inviolable
inviolate
invirile
inviscid
invisibilities
invisibility
invisible
invisibly
invital
invitation
invitations
invite
invited
invitee
invitees
inviter
inviters
invites
inviting
invocate
invocated
invocates
invocating
invocation
invocations
invoice
invoiced
invoices
invoicing
invoke
called
caller
 callers
 invokes
 invoking
 involuntarily
 involuntary
 involute
 involuted
 involutes
 involuting
 involve
 involved
 involvement
 involvements
 involver
 involvers
 involves
 involving
 involvability
 involvable
 involvably
 inwall
 inwalled
 inwalling
 inwalls
 inward
 inwardly
 inwards
 inweave
 inweaved
 inweaves
 inweaving
 inwind
 inwinding
 inwinds
 inwound
 inwove
 inwoven
 inwrap
 inwrapped
 inwrapping
 inwraps
 iodate
 iodated
 iodates
 iodating
ionizer
ionizers
ionizes
ionizing
ionomer
ionomers
ionone
ionones
ionosphere
ionospheres
ionospheric
ions
iota
iotacism
iotacisms
iotas
ipecac
ipecacs
ipomoea
ipomoeas
iracund
irade
irades
irascibilities
irascibility
irascible
irate
iratey
irater
iratest
ire
ired
ireful
irefully
ireless
irenic
irencal
irenics
ires
irides
iridescence
iridescences
iridescent
iridic
iridium
iridiums
irids
iring
irradiate
irradiated
irradiates
irradiating
irradiation
irradiations
irrational
irrationalities
irrationality
irrationally
irrationals
irreal
irreconcilabilities
irreconcilability
irreconcilable
irrecoverable
irrecoverably
irredeemable
irreducible
irredicibly
irrefutable
irregular
irregularities
irregularity
irregularly
irregulars
irrelevance
irrelevances
irrelevant
irreligious
irreparable
irreplaceable
irrepressible
irreproachable
irresistible
irresolute
irresolutely
irresolution
irresolutions
irrespective
irresponsibilities
irresponsibility
irresponsible
irresponsibly
irretrievable
irreverence
irreverences
irreversible
islanders
islanding
islands
isle
isled
isleless
isles
islet
islets
isling
ism
isms
isobar
isobare
isobares
isobaric
isobars
isobath
isobaths
isocheim
isocheims
isochime
isochimes
isochor
isochore
isochores
isochors
isochron
isochrons
isoclinal
isoclines
isocracies
isocracy
isodose
isogamies
isogamy
isogenic
isogenies
isogeny
isogloss
isoglosses
isogon
isogonal
isogonals
isogone
isogones
isogonic
isogonics
isogonies
isogons
isogony
isogram
isograms
isograph
isographs
isogriv
isogrivs
isohel
isohels
isohyet
isohyets
isolable
isolate
isolated
isolates
isolating
isolation
isolations
isolator
isolators
isolead
isoleads
isoline
isolines
isolog
isologs
isologue
isologues
isomer
isomeric
isomers
isometric
isometrics
isometries
isometry
isomorph
isomorphs
isonomic
isonomies
isonomy
isophile
isophotes
isopleth
isopleths
isopod
isopodan
isthmians
isthmic
isthmoid
isthmus
isthmuses
istle
istes
it
italic
italicization
italicizations
italicize
italicized
italicizes
italicizing
italics
itch
itched
itches
itchier
itchiest
itching
itchings
itchy
item
itemed
iteming
itemization
itemizations
itemize
itemized
itemizer
itemizers
itemizes
itemizing
items
iterance
iterances
iterant
iterate
iterated
iterates
iterating
iteration
iterations
iterative
iterum
ither
itinerant
itinerants
itinerary
its
itself
ivied
ivies
ivories
ivory
ivy
ivylike
iwis
ixia
ixias
ixodid
ixodids
ixtles
izar
izars
izzard
izzards
jab
jabbed
jabber
jabbered
jabberer
jabberers
jabbering
jabbers
jabbing
jabiru
jabirus
jabort
jabots
jabs
jacal
jacaless
jacals
jacamar
jacamars
jacana
jacanas
jacinth
jacinthe
jacinthes
jacinths
jack

Open Source Used In CSPC_Collector 2.9.1 23477
janiform
janisaries
janisary
janitor
janitorial
janitors
janizaries
janizary
janty
japan
japanize
japanized
japanizes
japanizing
japanned
japanner
japanners
japanning
japans
jape
japed
japer
japeries
japers
japery
japes
japing
japingly
japonica
japonicas
jar
jarful
jarfuls
jargon
jargoned
jargonel
jargonels
jargoning
jargons
jargoons
jarina
jarinas
jarl
jarldom
jarldoms
jars
jarosite
jarosites
jarovize
jarovized
jarovizes
jarovizing
jarrah
jarrahs
jarred
jarring
jars
jarsful
jarvey
jarveys
jasey
jasmine
jasmines
jasper
jaspers
jaspery
jassid
jassids
jato
jatos
jauk
jauked
jauking
jauks
jaunce
jaunced
jaunces
jauncing
jaundice
jaundiced
jaundices
jaundicing
jaunt
jaunted
jauntier
jauntiest
jauntily
jauntiness
jauntinesses
jaunting
jaunts
jaunty
jaup
jauped
jauping
jimjams
dimmied
jimmies
jimminy
jimmy
jimmying
jimp
jimper
jimpest
jimply
jimpy
jimsonweed
jimsonweeds
jin
jingal
jingall
jingalls
jingals
jingko
jingkoes
jingle
jingled
jungler
jingleurs
jingles
junglier
jinglest
jingling
jingly
jingo
jingoish
jingoism
jingoisms
jingoist
jingoistic
jingoists
jink
jinked
jinker
jinkers
jinking
jinks
jinn
jinnee
jinni
jinns
jins
journals
journey
journeyed
journeying
journeyman
journeymen
journeys
joust
jousted
jouster
jousters
jousting
jousts
jovial
jovially
jow
jowed
jowing
jowl
jowled
jowlier
jowliest
jowls
jowly
jows
joy
joyance
joyances
joyed
joyful
joyfuller
joyfullest
joyfully
joying
joyless
joyous
joyously
joyousness
joyousnesses
joypop
joypopped
joypopping
joypops
joyride
joyrider
joyriders
joyrides
joyriding
joyridings
joys
joystick
joysticks
juba
jubas
jubbah
jubbahs
jube
jubes
jubhah
jubhahs
jubilant
jubilate
jubilated
jubilates
jubilating
jubile
jubilee
jubilees
jubiles
jubilantly
jubilation
jubilations
judas
judases
judder
juddered
juddering
judders
judge
judged
judgement
judgements
judger
judgers
judges
judgeship
judgeships
judging
judgment
judgments
judicature
judicatures
judicial
judicially
judiciaries
judiciary
judicious
judiciously
judiciousness
judiciousnesses
judo
judoist
judoists
judoka
judokas
judos
jug
juga
jugal
jugate
jugful
jugfuls
jugged
jugernaut
jugernauts
juggling
juggle
juggled
juggler
juggleries
jugglers
jugglery
juggles
juggling
jugglings
jughead
jugheads
jugs
jugsful
jugula
jugular
jugulars
jugulate
jugulated
jugulates
jugulating
jugulum
jugum
jugums
juice
juiced
juicer
juicers
juices
jupons
jura
jural
jurally
jurant
jurants
jurat
juratory
jurats
jurel
jurels
juridic
juries
juries
jurisdiction
jurisdictional
jurisdictions
jurisprudence
jurisprudences
jurist
juristic
jurists
juror
jurors
jury
juryman
jurymen
jus
jussive
jussives
just
justed
juster
justers
justest
justice
justices
justifiable
justification
justifications
justified
justifies
justify
justifying
justing
justle
justled
justles
justling
justly
justness
justnesses
justs
jut
jute
jutes
juts
jutted
juttied
jutties
jutting
jutty
juttying
juvenal
juvenals
juvenile
juveniles
juxtapose
juxtaposed
juxtaposes
juxtaposing
juxtaposition
juxtapositions
ka
kaas
kab
kabab
kababs
kabaka
kabakas
kabala
kabalas
kabar
kabars
kabaya
kabayas
kabbala
kabbalah
kabbalahs
kabbalas
kabeljou
kabeljous
kabiki
kabikis
kabob
kabobs
kabs
kerchiefs
kerchieves
kerchoo
kerf
kerfed
kerfing
kerfs
kermes
kermess
kermesses
kermis
kermises
kern
kerne
kerned
kernel
keneled
kerneling
kernelled
kernelling
kernels
kernes
kerning
kernite
kernites
kerns
kerogen
kerogens
kerosene
kerosenes
kerosine
kerosines
kerplunk
kerria
kerrias
kerries
kerry
kersey
kerseys
keryhma
kerygmata
kestrel
kestrels
ketch
ketches
ketchup
ketchups
ketene
ketenes
keto
ketol
ketone
ketones
ketonic
ketose
ketoses
ketosis
ketotic
kettle
kettledrum
kettledrums
kettles
kevel
kevels
kevil
kevils
kex
kexes
key
keyboard
keyboarded
keyboarding
keyboards
keyed
keyer
keyhole
keyholes
keying
keyless
keynote
keynoted
keynoter
keynoters
keynotes
keynoting
keypunch
keypunched
keypuncher
keypunchers
keypunches
keypunching
keys
keyset
keysets
keyster
keysters
kidnap
kidnapped
kidnaper
kidnapers
kidnaping
kidnapped
kidnapper
kidnappers
kidnapping
kidnaps
kidney
kidneys
kids
kidskin
kidskins
kief
kiefs
kielbasa
kielbasas
kielbasy
kier
kiers
kiester
kiesters
kif
kifs
kike
kikes
kilim
kilims
kill
killdee
killdeer
killdeers
killdees
killed
killer
killers
killick
killicks
killing
killings
killjoy
killjoys
killock
killocks
kills
kiln
kinghoods
kinging
kingless
kinglet
kinglets
kinglier
kingliest
kinglike
ingly
kingpin
kingpins
kingpost
kingposts
kings
kingship
kingships
kingside
kingsides
kingwood
kingwoods
kinin
kinins
kink
kinkajou
kinkajous
kinked
kinkier
kinkiest
kinkily
kinking
kinks
kinky
kino
kinos
kins
kinsfolk
kinship
kinships
kinsman
kinsmen
kinswoman
kinswomen
kiosk
kiosks
kip
kipped
kippen
kipper
koodoo
koodoos
kook
kookie
kookier
kookiest
kooks
kooky
kop
kopec
kopecs
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
kop
koumyss
koumysses
kousso
koussos
kowtow
kowtowed
kowtower
kowtowers
kowtowing
kowtows
kraal
kraaled
kraaling
kraals
kraft
krafts
krait
kraits
kraken
krakens
krater
kraters
kraut
krauts
kremlin
kremlins
kreutzer
kreutzers
kreuzer
kreuzers
krikorian
krill
krills
krinner
krimmers
kris
krises
krona
krone
kronen
kroner
kronor
kronur
kroon
krooni
kroons
krubi
krubis
kvas
kvases
kvass
kvasses
kvetch
kvetches
kvetching
kwacha
kyack
kyacks
kyanise
kyanised
kyanises
kyanising
kyanite
kyanites
kyanize
kyanized
kyanized
kyanizes
kyanizing
kyar
kyars
kyat
kyats
kylikes
kylix
kymogram
kymograms
kyphoses
kyphosis
kyphotic
kyrie
kyries
kyte
kytes
kythe
kythed
kythes
kything
la
laager
laagered
laagering
laagers
lab
labara
labarum
labroids
labrum
labrums
labs
laburnum
laburnums
labyrinth
labyrinthine
labyrinths
lac
lace
laced
laceless
lacelike
lacer
lacerate
lacerated
lacerates
lacerating
laceration
lacerations
lacers
lacertid
lacertids
laces
lacewing
lacewings
lacewood
lacewoods
lacework
laceworks
lacey
laches
lachrymose
lacier
laciest
lacily
laciness
lacinesses
lacing
lacings
lack
lackadaisical
lackadaisically
lackaday
lacked
lacker
lackered
lackering
lackers
lackey
lackeyed
lackeying
lackeys
lacking
lackluster
lacks
laconic
laconically
laconism
laconisms
lacquer
lacquered
lacquering
lacquers
lacquey
lacqueyed
lacqueying
lacqueys
lacrimal
lacrimals
lacrosse
lacrosses
lacs
lactam
lactams
lactary
lactase
lactases
lactate
lactated
lactates
lactating
lactation
lactations
lacteal
lacteals
lactean
lacteous
lactic
lactone
lactones
lactonic
lactose
lactoses
lacuna
lakiest
laking
lakings
laky
lall
lallan
lalland
lallands
lallans
lalled
lalling
lalls
lallygag
lallygagged
lallygagging
lallygags
lam
lama
lamas
lamaseries
lamasery
lamb
lambast
lambaste
lambasted
lambastes
lambasting
lambasts
lambda
lambdas
lambdoid
lambed
lambencies
lambency
lambent
lambently
lamber
lambers
lambert
lamberts
lambie
lambies
lambing
lambkill
lambkills
lambkin
lambkins
lamblike
lankily
lankly
lankness
lanknesses
lanky
lanner
lanneret
lannerets
lanners
lanolin
lanoline
lanolines
lanolins
lanose
lanosities
lanosity
lantana
lantanas
lantern
lanterns
lanthorn
lanthorns
lanugo
lanugos
lanyard
lanyards
lap
lapboard
lapboards
lapdog
lapdogs
lapel
lapelled
lapels
lapful
lapfuls
lapidaries
lapidary
lapidate
lapidated
lapidates
lapidating
lapides
lapidified
lapidifies
lapidify
lapidifying
lapidist
larva
larvae
larval
larvas
laryngeal
larynges
laryngitis
laryngitis
laryngoscopies
larynx
laryn克斯
las
lasagna
lasagnas
lasagne
lasagnes
lascar
lascars
lascivious
lasciviousness
lasciviousnesses
lase
lased
laser
lasers
lases
lash
lashed
lasher
lashers
lashes
lashing
lashings
lashins
lashkar
lashkars
lasing
lass
lasses
lassie
lassies
lassitude
lassitudes
lasso
lassoed
lassoer
lassoers
laterals
laterite
laterites
latest
latests
latewood
latewoods
latex
latexes
lath
lathe
lathed
lather
lathered
latherer
latherers
lathering
lathers
lathery
lathes
lathier
lathiest
lathing
lathings
laths
lathwork
lathworks
lathy
lat
latices
latigo
latigoes
latigos
latinities
latinity
latinize
latinized
latinizes
latinizing
latish
latitude
latitudes
latosol
latosols
latria
latrias
latrine
latrines
launderer
launderers
launderess
launderesses
laundering
launders
laundries
laundry
laura
laurae
lauras
laureate
laureated
laureates
laureateship
laureateships
laureating
laurel
laureled
laureling
laurelled
laurelling
laurels
lauwine
lauwines
lava
lavabo
lavaboës
lavabos
lavage
lavages
lavalava
lavalavas
lavalier
lavaliers
lavalike
lavas
lavation
lavations
lavatories
lavatory
lave
laved
laveer
laveered
laveering
laveers
lavender
lavendered
lavendering
lavenders
laver
laverock
laverocks
lavers
laves
laving
lavish
lavished
lavisher
lavishers
lavishes
lavishest
lavishing
lavishly
lavrock
lavrocks
law
lawbreaker
lawbreakers
lawed
lawful
lawfully
lawgiver
lawgivers
lawine
lawines
lawing
lawings
lawless
lawlike
lawmaker
lawmakers
lawman
lawmen
lawn
lawns
lawny
laws
lawsuit
lawsuits
lawyer
lawyerly
lawyers
lax
laxation
leadworts
leady
leaf
leafage
leafages
leafed
leafier
leafiest
leafing
leafless
leaflet
leaflets
leaflike
leafs
leafworm
leafworms
leafy
league
leagued
leaguer
leaguered
leaguering
leaguers
leagues
leaguing
leak
leakage
leakages
leaked
leaker
leakers
leakier
leakiest
leakily
leaking
leakless
leaks
leaky
leal
leally
lealties
lealty
lean
leaned
leaner
leanest
leaning
leanings
leanly
leanness
leanesses
leans
leant
leap
leaped
leaper
leapers
leapfrog
leapfrogged
leapfrogging
leapfrogs
leaping
leaps
leapt
lear
learier
learn
t
learnt
learnt
learnt
lears
leary
leas
leasable
lease
leased
leaser
leasers
leases
leash
leashed
leashes
leashing
leasing
leasing
least
least
leasts
leather
leathered
leathering
leathern
leathers
leathery
leave
leaved
leaven
leavened
leavening
leavens
leaver
leavers
leaves
leavier
leaviest
leaving
leavings
leavy
leben
lebens
lech
lechayim
lechayims
lecher
lechered
lecheries
lechering
lecherous
lecherousness
lecherousnesses
lechers
lechery
leches
lecithin
lecithins
lectern
lecterns
lection
lections
lector
lectors
lecture
lectured
lecturer
lecturers
lectures
lectureship
lectureships
lecturing
leythi
legacies
legacy
legal
legalese
legaleses
legalise
legalised
legalises
legalising
legalism
legalisms
legalist
legalistic
legalists
legalities
legality
legalize
legalized
legalizes
legalizing
legally
legals
legate
legated
legatee
legatees
legates
legtine
legating
legation
legations
legato
legator
legators
legatos
legend
legendary
legendries
legendry
legends
leger
legerdemain
legerdemains
legerities
legerity
legers
leges
legged
ley
leys
liabilities
liability
liable
liaise
liaised
liaises
liaising
liaison
liaisons
liana
lianias
liane
lianes
liang
liangs
lianoid
liar
liard
liards
liars
lib
libation
libations
libber
libbers
libeccio
libeccios
libel
libelant
libelants
libeled
liblee
liblees
libeler
libelers
libelers
libeling
libelist
libelists
libelled
libellee
libellees
libeller
libellers
libelling
libellous
libelous
libels
liber
liberal
liberalism
liberalisms
liberalities
liberality
liberalize
liberalized
liberalizes
liberalizing
liberally
liberals
liberate
liberated
liberates
liberating
liberation
liberations
liberator
liberators
libers
liberties
libertine
libertines
liberty
libidinal
libidinous
libido
libidos
libra
librae
librarian
librarians
libraries
library
libras
librate
librated
librates
librating
libretti
librettist
librettists
libretto
librettos
libri
licks
lickspit
lickspits
licorice
licorices
lictor
lictors
lid
lidar
lidars
lidded
lidding
lidless
lido
lidos
lids
lie
lied
lieder
lief
liefer
lifest
liefly
liege
liegeman
liegemen
lieges
lien
lienable
lienal
liens
lienteries
lientery
lier
lierne
liernes
liers
lies
lieu
lieus
lieutenancies
lieutenancy
lieutenant
lieutenants
lieve
liever
lievest
life
ligations
livative
ligature
ligatured
ligatures
ligaturing
light
lightbulb
lightbulbs
lighted
lighten
lightened
lightening
lightens
lighter
lightered
lightering
lighters
lightest
lightful
lighthearted
lightheartedly
lightheartedness
lightheartednesses
lighthouse
lighthouses
lighting
lightings
lightish
lightly
lightness
lightnesses
lightning
lightnings
lightproof
lights
 ligneous
lignified
lignifies
lignify
lignifying
lignin
lignins
lignite
lignites
lignitic
ligroin
ligroine
liniest
liniment
liniments
linin
lining
linings
linins
link
linkable
linkage
linkages
linkboy
linkboys
linked
linker
linkers
linking
linkman
linkmen
links
linksman
linksmen
linkup
linkups
linkwork
linkworks
linky
lin
linnet
linnets
linns
lino
linocut
linocuts
linoleum
linoleums
linos
lins
linsang
linsangs
linseed
linseeds
linsey
linseys
linstock
linstocks
lint
lintel
lintels
linter
linters
lintier
lintiest
lintless
lintol
lintols
lints
linty
linum
linums
liny
lion
lioness
lionesses
lionfish
lionishes
lionise
lionised
lioniser
lionisers
lionises
lionising
lionization
lionizations
lionize
lionized
lionizer
lionizers
lionizes
lionizing
lionlike
lions
lip
lipase
lipases
lipid
lipide
lipides
lipidic
lipids
lipin
lipins
lipless
liplike
lipocyte
lipocytes
lipoid
lipoidal
lipoids
lipoma
lipomas
lipomata
lipped
lippen
lippened
lippening
lippens
lupper
lipped
lipped
lippert
lippier
lippiest
lipping
lippings
lippy
lipreading
lipreadings
lips
lipstick
lipsticks
liquate
liquated
liquates
liquating
liquefaction
liquefactions
liquefiable
liquefied
liquefier
liquefiers
liquefies
liquefy
liquefying
liqueur
liqueurs
liquid
liquidate
liquidated
liquidates
liquidating
liquidation
liquidations
liquidities
lithosols
litigant
litigants
litigate
litigated
litigates
litigating
litigation
litigations
litigious
litigiousness
litigiousnesses
litmus
litmuses
litoral
litotes
litre
litres
lits
litten
litter
littered
litterer
litterers
littering
litters
littery
little
littleness
littlenesses
littler
littles
littlest
littlish
littoral
littorals
littu
liturgic
liturgical
liturgically
liturgies
liturgy
livabilities
livability
livable
live
liveable
lived
loathers
loathes
loathful
loathing
loathings
loathly
loathsome
loaves
lob
lobar
lobate
lobated
lobately
lobation
lobations
lobbed
lobbied
lobbies
lobbing
lobby
lobbyer
lobbyers
lobbygow
lobbygows
lobbying
lobbyism
lobbyisms
lobbyist
lobbyists
lobe
lobed
lobefin
lobefins
lobelia
lobelias
lobeline
lobelines
lobes
loblollies
loblolly
lobo
lobos
lobotomies
lobotomy
lobs
lobster
lobsters
lobstick
longevities
longevity
longhair
longhairs
longhand
longhands
longhead
longheads
longhorn
longhorns
longing
longingly
longings
longish
longitude
longitudes
longitudinal
longitudinally
longleaf
longleaves
longline
longlines
longly
longness
longnesses
longs
longship
longships
longshoreman
longshoremen
longsome
longspur
longspurs
longtime
longueur
longueurs
longways
longwise
loo
loobies
looby
looed
looeys
loof
loofa
loofah
loofahs
lord
lorded
lorded
lording
lordings
lordless
lordlier
lordliest
lordlike
lordling
lordlings
lordly
lordoma
lordomas
lordoses
lordosis
lordotic
lords
lordship
lordships
lordy
lore
loreal
lores
lorgnon
lorgnons
lorica
loricae
loricate
loricates
lories
lorikeet
lorikeets
lorimer
lorimers
loriner
lorinners
loris
lorises
lorn
lornness
lornnesses
lorries
lorry
lory
losable
lose
losel
losels
loudspeaker
loudbusters
lough
loughs
louie
louies
louis
lounge
lounge
lounged
lounger
loungers
lounges
lounging
loungy
loup
loupe
louped
loupen
loupes
loupings
loups
lou
loured
louring
lours
loury
louse
loused
louses
lousier
louisiest
lousily
lousiness
lousinesses
lousing
lousy
lout
louted
louting
loutish
loutishly
louts
louver
louvered
louvers
louvre
louvres
lovable
ludicrousness
ludicrousnesses
lues
lueotic
luetics
luff
luffa
luffas
luffed
luffing
luffs
lug
luge
luges
luggage
luggagees
lugged
lugger
luggers
luggie
luggies
lugging
lugs
lugsail
lugsails
lugubrious
lugubriously
lugubriousness
lugubriousnesses
lugworm
lugworms
lukewarm
lull
lullabied
lullabies
lullaby
lullabying
lulled
lulling
lulls
lulu
lulus
lum
lumbago
lumbagos
lumbagos
lumbar
lumbars
lumber
lumbered
lumberer
lumberers
lumbering
lumberjack
lumberjacks
lumberman
lumbermen
lumbers
lumberyard
lumberyards
lumen
luminal
lumens
lumina
luminal
luminance
luminances
luminaries
luminary
luminescence
luminescences
luminescent
luminist
luminists
luminosities
luminosity
luminous
luminously
lummox
lummoxes
lump
lumped
lumpen
lumpens
lumper
lumpers
lumpfish
lumpfishes
lumpier
lumpiest
lumpily
lumping
lumpish
lumps
lumpy
lums
luna
lunacies
lunacy
lunar
lunarian
lunarians
lunars
lunas
lunate
lunated
lunately
lunatic
lunatics
lunation
lunations
lunch
lunched
luncheon
lunches
luncher
lunchers
lunching
lune
lunes
lunet
lunets
lunette
lunettes
lung
lungan
lungans
lunge
lunged
lungee
lungees
lunger
lungers
lunges
lungfish
lungfishes
lungi
lunging
lungis
lungs
lungworm
lungworms
lungwort
lungworts
lungyi
lungyis
lunier
lunies
luniest
lunk
lunker
lunkers
lunkhead
lunkheads
lunks
lunt
lunter
lunting
lunts
lunula
lunulae
lunular
lunulate
lunule
lunules
luny
lupanar
lupanars
lupin
lupine
lupines
lupins
lupous
lupulin
lupulins
lupus
lupuses
lurch
lurched
lurcher
lurchers
lurches
lurching
lurdan
lurdane
lurdanes
lurdans
lure
lured
lurer
lurers
lures
luxuries
luxurious
luxuriously
luxury
lyard
lyart
lyase
lyases
lycanthropies
lycanthropy
lycea
lycee
lycees
lyceum
lyceums
lychee
lychees
lychnis
lychnises
lycopene
lycopenes
lycopod
lycopsods
lyddite
lyddites
lye
lyes
lying
lyingly
lyings
lymph
lymphatic
lymphocytopenia
lymphocytosis
lymphoid
lymphoma
lymphomas
lymphomata
lymphs
lyncean
lynch
lynched
lyncher
lynchers
lynches
lynching
lynchings
lynx
machetes
machinate
machinated
machinates
machinating
machination
machinations
machine
machineable
machined
machineries
machinery
machines
machining
machinist
machinists
machismo
machismos
macho
machos
machree
machrees
machs
machzor
machzorim
machzors
macing
mack
mackerel
mackerels
mackinaw
mackinaws
mackle
mackled
mackles
mackling
macks
macle
macled
macles
macrame
macraces
macro
macrocosm
macrocosms
macron
macrons
macros
macrural
macruran
macrurans
macs
macula
maculae
macular
maculas
maculate
maculated
maculates
maculating
macule
maculed
macules
maculing
mad
madam
madame
madames
madams
madcap
madcaps
madded
madden
maddened
maddening
maddens
madder
madders
maddest
madding
maddish
made
madeira
madeiras
mademoiselle
mademoiselles
madhouse
madhouses
madly
madman
madmen
madness
madnesses
madonna
madonnas
madras
madrases
madre
madres
madrigal
madrigals
madrona
madronas
madrone
madrones
madrono
madronos
mads
maduro
maduros
madwoman
madwomen
madwort
madworts
madzoon
madzoons
mae
maelstrom
maelstroms
maenad
maenades
maenadic
maenads
maes
maestoso
maestosos
maestri
maestro
maestros
maffia
maffias
maffick
mafficked
mafficking
mafficks
mafia
mafias
mafic
mafiosi
mafioso
maftir
maftirs
mag
magazine
magnetic
magnetically
magnetics
magnetism
magnetisms
magnetite
magnetites
magnetizable
magnetization
magnetizations
magnetize
magnetized
magnetizer
magnetizers
magnetizes
magnetizing
magneto
magneton
magnetons
magnets
magnific
magnification
magnifications
magnificence
magnificences
magnificent
magnificently
magnified
magnifier
magnifiers
magnifies
magnify
magnifying
magnitude
magnitudes
magnolia
magnolias
magnum
magnums
magot
magots
magpie
magpies
mags
maguey
magueys
magus
maintenances
maintop
maintops
maiolica
maiolicas
mair
mairs
maist
maists
maize
maizes
majagua
majaguas
majestic
majesties
majesty
majolica
majolicas
major
majordomo
majordomos
majored
majoring
majorities
majority
majors
makable
makar
makars
make
makeable
makebate
makebates
makefast
makefasts
maker
makers
makes
makeshift
makeshifts
makeup
makeups
makimono
makimonos
making
makings
mako
makos
makuta
maladies
maladjusted
maladjustment
maladjustments
maladroit
malady
malaise
malaises
malamute
malamutes
malapert
malaperts
malaprop
malapropism
malapropisms
malaprops
malar
malaria
malarial
malarian
malarias
malarkey
malarkeys
malarkeys
malarky
malaroma
malaromas
malars
malate
malates
malcontent
malcontents
male
maleate
maleates
maledict
maledicted
maledicting
malediction
maledictions
maledicts
malefactor
malefactors
malefic
maleficence
maleficiencies
maleficient
maltier
maltiest
malting
maltol
maltols
maltose
maltoses
maltreat
maltreated
maltreating
maltreatment
maltreatments
maltreats
malt
maltster
maltsters
malty
malvasia
malvasias
mama
mamas
mamba
mambas
mambo
mamboed
mamboes
mamboing
mambos
mameluke
mamelukes
mamey
mameyes
mameys
mamie
mamies
mamluk
mamluks
mamma
mammae
mammal
mammalian
mammals
mammary
mammas
mammate
mammati
mammatus
mammee
mammees
mammer
mammered
mammering
mammers
mammet
mammets
mammey
mammeys
mammie
mammies
mammilla
mammillae
mammitides
mammitis
mammock
mammocked
mammocking
mammocks
mammon
mammons
mammoth
mammoths
mammy
man
mana
manacle
manacled
manacles
manacling
manage
manageabilities
manageability
manageable
manageableness
manageablenesses
manageably
managed
management
managemental
mannagements
manager
managerial
managers
manages
managing
manakin
manakins
manana
mananas
manas
manatee
manatees
manatoid
manche
manches
manchet
manchets
manciple
manciples
mandala
mandalas
mandalic
mandamus
mandamused
mandamuses
mandamusing
mandarin
mandarins
mandate
mandated
mandates
mandating
mandator
mandators
mandatory
mandible
mandibles
mandibular
mandioca
mandiocas
mandola
mandolas
mandolin
mandolins
mandrake
mandrakes
mandrel
mandrels
mandril
mandrill
mandrills
mandrils
mane
maned
manege
manhandling
manhole
manholes
manhood
manhoods
manhunt
manhunts
mania
maniac
maniacal
maniacs
manias
manic
manics
manicure
manicured
manicures
manicuring
manicurist
manicurists
manifest
manifestation
manifestations
manifested
manifesting
manifestly
manifesto
manifestos
manifests
manifold
manifolded
manifolding
manifolds
manihot
manihots
manikin
manikins
manila
manilas
manilla
manillas
manille
manios
manioca
maniocas
maniocs
maniple
mannitic
mannitol
mannitols
mannose
mannoses
mano
manor
manorial
manorialism
manorialisms
manors
manos
manpack
manpower
manpowers
manque
manrope
manropes
mans
mansard
mansards
manse
manservant
manses
mansion
mansions
manslaughter
manslaughters
manta
mantas
manteau
manteaus
manteaux
mantel
mantelet
mantelets
mantels
mantes
mantic
mantid
mantids
mantilla
mantillas
mantis
mantises
mantissa
mantissas
mantle
mantled
mantles
mantlet
mantlets
mantling
mantlings
mana
manaprap
manetrap
manet traps
manas
mantua
mantuas
manual
manually
manuels
manuary
manubria
manufacture
manufactured
manufacturer
manufacturers
manufactures
manufacturing
manumit
manumits
manumitted
manumitting
manure
manured
manurer
manurers
manures
manural
manuring
manus
manuscript
manuscripts
manward
manwards
manwise
many
manyfold
map
maple
maples
mapmaker
mapmakers
mappable
marcelled
marcelling
marcells
march
marched
marchen
marcher
marchers
marches
marchesa
marchese
marchesi
marching
marchioness
marchionesses
marcs
mare
maremma
maremme
mares
margaric
margarin
margarine
margarines
margarins
margay
margays
marge
margent
margented
margenting
margents
marges
margin
marginal
marginally
margined
margining
margins
margrave
margraves
maria
mariachi
mariachis
marigold
marigolds
marihuana
marihuanas
marijuana
marijuanas
marimba
marimbas
marina
marinade
marinaded
marinades
marinading
marinara
marinaras
marinas
marinate
marinated
marinates
marinating
marine
mariner
mariners
marines
marionette
marionettes
mariposa
mariposas
marish
marishes
marital
maritime
marjoram
marjorams
mark
markdown
markdowns
marked
markedly
marker
markers
market
marketable
marketech
marketed
marketer
marketers
marketing
marketplace
marketplaces
markets
markhoor
markhoors
markhor
markhors
marking
markings
markka
markkaa
markkas
marks
marksman
marksmanship
marksmashhips
marksmen
markup
markups
marl
marled
marlier
marliest
marlin
marline
marlines
marling
marlings
marlins
marlite
marlites
marlitic
marls
marly
marmalade
marmalades
marmite
marmites
marmoset
marmosets
marmot
marmots
maroon
marooned
marooning
maroons
marplot
marplots
marque
marquees
marquees
marques
marquess
marquesses
marquis
marquise
marquises
marram
marrams
marrer
marrers
marriage
marriageable
marriages
married
marrieds
marrier
marriers
marries
marring
marron
marrons
marrow
marrowed
marrowing
marrows
marrowy
marry
marrying
mars
marse
marsees
marsh
marshal
marshaled
marshaling
marshall
marshalled
marshalling
marshalls
marshals
marshes
marshier
marshiest
marshmallow
marshmallows
marshy
marsupia
marsupial
mascons
mascot
mascots
masculine
masculinities
masculinity
masculinization
masculinizations
maser
masers
mash
mashed
masher
mashers
mashes
mashie
mashies
mashing
mashy
masjid
masjids
mask
maskable
masked
maskeg
maskegs
masker
maskers
masking
maskings
masklike
masks
masochism
masochisms
masochist
masochistic
masochists
mason
masoned
masonic
masonry
masons
masque
masquer
masquerade
masqueraded
masquerader
masqueraders
masquerades
masquerading
masquers
masques
mass
massa
massachusetts
massacre
massacred
massacres
massacring
massage
massaged
massager
massagers
massages
massaging
massas
masse
massed
massedly
masses
masseter
masseters
masseur
masseurs
masseuse
masseuses
massicot
massicots
massier
massiest
massif
massifs
massing
massive
massiveness
massivenesses
massless
masslessness
masslessnesses
massy
mast
mastaba
mastabah
mastabahs
mastabas
mastectomies
mastectomy
masted
master
mastered
masterful
masterfully
masteries
mastering
masterly
mastermind
masterminds
masters
mastership
masterships
masterwork
masterworks
mastery
masthead
mastheaded
mastheading
mastheads
mastic
masticate
masticated
masticates
masticating
mastication
mastications
mastiche
mastiches
mastics
mastiff
mastiffs
masting
mastitic
mastitides
mastitis
mastix
mastixes
mastless
mastlike
mastodon
mastodons
mastoid
mastoids
masts
masturbate
masturbated
masturbates
masturbating
masturbation
masturbations
masurium
masuriums
mat
matador
matadors
match
matchbox
matchboxes
matched
matcher
matchers
matches
matching
matchless
matchmaker
matchmakers
mate
mated
mateless
matelote
matelotes
mater
material
materialism
materialisms
materialist
materialistic
materialists
materialization
materializations
materialize
materialized
materializes
materializing
materially
materials
materiel
materiels
maternal
maternally
maternities
maternity
matrixes
matron
matronal
matronly
matrons
mats
matt
matte
matted
mattedly
matter
mattered
mattering
matters
mattery
mattes
mattin
matting
mattings
mattins
mattock
mattocks
matroid
matroids
mattrass
mattrasses
mattress
mattresses
matts
maturate
maturated
maturates
maturating
maturation
maturational
maturations
maturative
mature
matured
maturely
maturer
matures
maturest
maturing
maturities
maturity
matza
matzah
matzahs
matzas
matzo
matzoh
matzohs
matzoon
matzoons
matzos
matzot
matzoth
maudlin
mauger
maugre
maul
mauled
mauler
maulers
mauling
mauls
maumet
maumetries
maumetry
maumets
maun
maund
maunder
maundered
maundering
maunders
maundies
maunds
maundy
mausolea
mausoleum
mausoleums
maut
mauts
mauve
mauves
maven
mavens
maverick
mavericks
mavie
mavies
mavin
mavins
mavis
mavises
maw
mawed
mawing
mawkish
mawkishly
mawkishness
mawkishnesses
mawn
maws
maxi
maxicoat
maxicoats
maxilla
maxillae
maxillas
maxim
maxima
maximal
maximals
maximin
maximins
maximise
maximised
maximises
maximising
maximite
maximites
maximize
maximized
maximizes
maximizing
maxims
maximum
maximums
maxis
maxixe
maxixes
maxwell
maxwells
may
mayan
mayapple
mayapples
mayas
maybe
maybush
mazing
mazourka
mazourkas
mazuma
mazumas
mazurka
mazurkas
mazy
mazzard
mazzards
mbira
mbiras
mccaffrey
me
mead
meadow
meadowland
meadowlands
meadowlark
meadowlarks
meadows
meadowy
meads
meager
meagerly
meagerness
meagernesses
meagre
meagrely
meal
mealie
mealer
mealies
mealiest
mealless
meals
mealtime
mealtimes
mealworm
mealworms
mealy
mealybug
mealybugs
mean
meander
meandered
meandering
meanders
meatmen
meats
meatus
meatuses
meaty
mecca
meccas
mechanic
mechanical
mechanically
mechanics
mechanism
mechanisms
mechanistic
mechanistically
mechanization
mechanizations
mechanize
mechanized
mechanizer
mechanizers
mechanizes
mechanizing
mechanism
mechanisms
mechanistic
mechanistically
mechanization
mechanizations
mechanize
mechanized
mechanizer
mechanizers
mechanizes
mechanizing
meconium
meconiums
medaka
medakas
medal
medaled
medaling
medalist
medalists
medalled
medallic
medalling
medallion
medallions
medals
meddle
meddled
meddler
meddlers
meddles
meddlesome
meddling
media
mediacies
mediacy
medieval
medievalism
medievalisms
medievalist
medievalists
medevels
medii
mediocre
mediocrities
mediocrity
meditate
meditated
meditates
meditating
meditation
meditations
meditative
meditatively
medium
mediums
medius
medlar
medlars
medley
medleys
medulla
medullae
medullar
medullas
medusa
medusae
medusan
medusans
medusas
medusoid
medusoids
meed
meeds
meek
meeker
meekest
meekly
meekness
meeknesses
meerschaum
meerschaums
meet
meeter
meeters
meeting
meetinghouse
meetinghouses
meetings
meety
meetness
meetnnesses
meets
megabar
megabars
megabit
megabits
megabuck
megabucks
megacyle
megacycles
megadyne
megadynes
megahertz
megalith
megaliths
megaphone
megaphones
megapod
megapode
megapodes
megass
megasse
megasses
megaton
megatons
megavolt
megavolts
megawatt
megawatts
megillah
megillahs
megilp
megilph
megilphs
megilps
megohm
megohms
megrim
megrimms
meikle
meinie
meinies
meiny
meiose
meiosis
meiotic
mel
melamine
melamines
melancholia
melancholic
melancholies
melancholy
melange
melanges
melanian
melanic
melanics
melanin
melanins
melanism
melanisms
melanist
melanists
melanite
melanites
melanize
melanized
melanizes
melanizing
melanoid
melanoids
melanoma
melanomas
melanomata
melanous
melatonin
melba
meld
melded
melder
melders
melding
melds
melee
melee
meets
melic
melili
melilites
melodists
melodize
melodized
melodizes
melodizing
melodrama
melodramas
melodramatic
melodramatist
melodramatists
melody
meloid
meloids
melon
melons
mels
melt
meltable
meltage
meltages
melted
melter
melters
melting
melton
meltons
melts
mem
member
membered
members
membership
memberships
membrane
membranes
membranous
memento
mementoes
mementos
memo
memoir
memoirs
memorabilia
memorabilities
memorability
memorable
memorableness
memorablenesses
meshes
meshier
meshiest
meshing
meshwork
meshworks
meshly
mesial
mesially
mesian
mesic
mesmeric
mesmerism
mesmerisms
mesmerize
mesmerized
mesmerizes
mesmerizing
mesnalties
mesnalty
mesne
mesocarp
mesocarps
mesoderm
mesoderms
mesoglea
mesogleas
mesomere
mesomers
meson
mesonic
mesons
mesophyl
mesophyls
mesosome
mesosomes
mesotron
mesotrons
mesquit
mesquite
mesquites
mesquits
mess
message
messages
messan
messans
messes
messenger
messengers
messes
messiah
messiahs
messier
messiest
messieurs
messily
messing
messman
messmate
messmates
messmen
message
messages
messy
mestee
mestees
mesteso
mestesoes
mestino
mestinoes
mestinos
mestiza
mestizas
mestizo
mestizoes
mestizos
met
meta
metabolic
metabolism
metabolisms
metabolize
metabolized
metabolizes
metabolizing
metage
metages
metal
metaled
metaling
metalise
metalised
metalises
metalising
metazoic
metazoon
mete
meted
meteor
meteoric
meteorically
meteorite
meteorites
meteoritic
meteorological
meteorologies
meteorologist
meteorologists
meteorology
meteors
metepa
metepas
meter
meterage
meterages
metered
metering
meters
metes
methadon
methadone
methadones
methadons
methane
methanes
methanol
methanols
methinks
method
methodic
methodical
methodically
methodicalness
methodicalnesses
methodological
methodologies
methodology
methods
methotrexate
methought
methoxy
methoxyl
methyl
methylal
methylals
methylic
methylys
meticulous
meticulously
meticulousness
meticulousnesses
metier
metiers
meting
metis
metisse
metisses
metonym
metonymies
metonyms
metonymy
metopae
metope
metopes
metopic
metopen
metopons
metre
metred
metres
metric
metrical
metrically
metrication
metrications
metrics
metrified
metrifies
metrify
metrifying
metring
metrist
metrists
metritis
metritisces
metro
metronome
metronomes
metropolis
metropolises
metropolitan
metros
mettle
mettle
mettles
mettlesome
metump
metumps
meuniere
mew
mewed
mewing
mewl
mewled
mewler
mewlers
mewling
mewls
mews
mezcal
mezcals
mezereon
mezereons
mezereum
mezereums
mezquit
mezquite
mezquites
mezquits
mezuza
mezuzaah
mezuzaahs
mezuzas
mezuzot
mezuzoth
mezzanine
mezzanines
mezzo
mezzos
mho
mhos
mi
miaou
miaoued
miaouing
miaous
miaow
miaowed
microbiologies
microbiologist
microbiologists
microbiology
microbus
microbuses
microbusses
microcomputer
microcomputers
microcosm
microfilm
microfilmed
microfilming
microfilms
microhm
microhms
microluces
microlux
microluxes
micrometer
micrometers
micromho
micromhos
microminiature
microminiatures
microminiaturization
microminiaturizations
microminiaturized
micron
microns
microorganism
microorganisms
microphone
microphones
microscope
microscopes
microscopic
microscopical
microscopically
microscopies
microscopy
microwave
microwaves
micurgies
micurgy
mid
midair
midairs
midrash
midrashim
midrib
midribs
midriff
midriiffs
mids
midship
midshipman
midshipmen
midships
midspace
midspace
midst
midstories
midstory
midstream
midstreams
midsts
midsummer
midsummers
midterm
midterms
midtown
midtowns
midwatch
midwatches
midway
midways
midweek
midweeks
midwife
midwived
midwiferies
midwifery
midwives
midwifing
midwinter
midwinters
midwived
midwives
midwiving
midyear
midyears
mien
miens
miff
miffed
millages
milldam
milldams
mille
milled
millennia
millennium
millenniums
milleped
millepeds
miller
millers
miles
millet
millets
milliard
milliars
miliiare
milliares
milliary
milliary
millibar
millibars
millieme
milliemes
millier
milliers
milligal
milligals
milligram
milligrams
milliliter
milliliters
millilux
milliluxes
millime
millimes
millimeter
millimeters
millimho
millimhos
millime
millime
millings
millings
milliohm
mimeographing
mimeographs
mimer
mimers
mimes
mimesis
mimesises
mimetic
mimetite
mimetites
mimic
mimical
mimicked
mimicker
mimickers
mimicking
mimicries
mimiery
mimics
miming
mimosa
mimosas
mina
minable
minacities
minacity
minae
minaret
minarets
minas
minatory
mince
minced
mincer
mincers
minces
mincer
minciest
mincing
mincy
mind
minded
minder
minders
mindful
minding
mindless
mindlessly
minicabs
minicalculator
minicalculators
minicamera
minicameras
minicar
minicars
miniclock
miniclocks
minicomponent
minicomponents
minicomputer
minicomputers
miniconvention
miniconventions
minicourse
minicourses
minicrisis
minicrisises
minidrama
minidramas
minidress
minidresses
minifestival
minifestivals
minified
minifies
minify
minifying
minigarden
minigardens
minigrant
minigrants
minigroup
minigroups
miniguide
miniguide
minihospital
minihospitals
minikin
minikins
minileague
minileagues
minilecture
minilectures
minim
minima
minimal
minimally
minimals
minimarket
minimarkets
minimax
minimaxes
minimarket
minimarket
minimarkets
minimmax
minimaxes
minimarket
minimarket
minimarkets
minimise
minimised
minimises
minimising
minimization
minimise
minimised
minimises
minimizing
minims
minimum
minimums
minimuseum
minimuseums
minination
mininations
mininetwork
mininetworks
mining
minings
mininovel
mininovels
minion
minions
minipanic
minipanics
miniprice
miniprices
miniproblem
miniproblems
minirebellion
minirebellions
minirecession
minirecessions
minirobot
minirobots
minis
miniscandal
miniscandals
minischool
mirth
mirthful
mirthfully
mirthfulness
mirthfulnesses
mirthless
mirths
miry
mirza
mirzas
mis
misact
misacted
misacting
misacts
misadapt
misadapted
misadapting
misadapts
misadd
misadded
misadding
misadds
misagent
misagents
misaim
misaimed
misaiming
misaims
misallied
misallies
misally
misallying
misalter
misaltered
misaltering
misalters
misanthrope
misanthropes
misanthropic
misanthropical
misanthropies
misanthropy
misapplied
misapplies
misapply
misapplying
misapprehend
misapprehended
misbill
misl billed
misl billing
misl bills
misl bind
misl binding
misl binds
misl bound
misl brand
misl branded
misl branding
misl brands
misl build
misl building
misl builds
misl built
miscalculate
miscalculated
miscalculates
miscalculating
miscalculation
miscalculations
miscal
miscalled
miscalling
miscal
miscalls
miscarriage
miscarriages
miscarried
miscarries
miscarry
miscarrying
miscast
miscasting
miscasts
miscogenation
miscogenations
miscellaneous
miscellaneous
miscellaneous
miscellaneous
miscellaneous
miscellaneous
miscellanies
miscellany
miscchance
misc chances
mischief
mischiefs
mischievous
mischievously
mischievousness
mischievousnesses
miscible
miscite
miscited
miscites
misciting
misclaim
misclaimed
misclaiming
misclaims
misclass
misclassified
misclasses
misclassing
miscoin
miscoined
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscoin
miscoining
miscoins
miscounting
miscounts
miscreant
miscreants
miscue
miscued
miscues
miscuing
miscut
miscuts
miscutting
misdate
misdated
misdates
misdating
misdeal
misdealing
misdeals
misdealt
misdeed
misdeeds
misdeem
misdeemed
misdeeming
misdeems
misdemeanor
misdemeanors
misdid
misdo
misdoer
misdoers
misdoes
misdoing
misdoings
misdone
misdoubt
misdoubted
misdoubting
misdoubts
misdraw
misdrawing
misdrawn
misdraws
misrew
misdrive
misdriven
misdrives
misdriving
misdrove
mise
misease
miseases
miseat
miseating
miseats
misedit
misedited
misediting
misedits
misenrol
misenrolled
misenrolling
misenrols
misenter
misentered
misentering
misenters
misentries
misentry
miser
miserable
miserableness
miserablenesses
miserably
miserere
misereres
miseries
miserliness
miserlinesses
miserly
misers
miserly
mises
misevent
misevents
misfaith
misfaiths
misfield
misfielded
misfielding
misfields
misfile
misfiled
misfiles
misfiling
misfire
misfired
misfires
misfiring
misfit
misfits
misfitted
misfiring
misfit
misfits
misfitted
misfiring
misfit
misfits
misfortune
misfortunes
misframe
misframed
misframes
misframing
misgauge
misgauged
misgauges
misgauging
misgave
misgive
misgiven
misgives
misgiving
misgivings
misgraft
misgrafted
misgrafting
misgrafts
misgrew
misgrow
misgrowing
misgrown
misgrows
misguess
misguessed
misguesses
misguessing
misguide
misguided
misguides
misguiding
mishap
mishaps
mishaps
misheard
mishearing
mishears
mishit
mishits
misshitting
mishmash
mishmashes
mishmosh
mishmoshes
misinfer
misinferred
misinferring
misinfers
misinform
misinformation
misinformations
misinforms
misinter
misinterpret
misinterpretation
misinterpretations
misinterpreted
misinterpreting
misinterprets
misinterred
misinterring
misinters
misjoin
misjoined
misjoining
misjoins
misjudge
misjudged
misjudges
misjudging
misjudgment
misjudgments
miskal
miskals
miseep
miseaseeping
miseeps
miseeped
miseepinged
miseepsed
miseepingeds
miseepinging
miseepingings
miseepened
miseepingned
miseepingned
miseepingedns
miseepingingns
mislabeled
mislabored
mislearning
mislearnt
misled
mislies
mislighted
mislighting
mislikes
misliking
mislit
mislive
mislived
mislives
misliving
mislodged
mislodges
mislodging
mispainted
mispainting
mispaints
misparsed
misparsed
misparses
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misparsing
misparsing
misparsed
misparses
misprize
misprized
misprizes
misprizing
mispronounce
mispronounced
mispronounces
mispronouncing
mispronunciation
mispronunciations
misquotation
misquotations
misquote
misquoted
misquotes
misquoting
misraise
misraised
misraises
misraising
misrate
misrated
misrates
misrating
misread
misreading
misreads
misrefer
misreferred
misreferred
misreferring
misrefers
misrelied
misrelies
misrely
misrelying
misrepresent
misrepresentation
misrepresentations
misrepresented
misrepresenting
misrepresents
misrule
misruled
misrules
misruling
miss
missaid
missal
missout
missouts
misspace
misspaced
misspaces
misspacing
misspeak
misspeaking
misspeaks
misspell
misselled
misspelling
misspellings
misspells
misspelt
misspend
misspending
misspends
misspent
misspoke
missspoken
misstart
misstarted
misstarting
misstarts
misstate
misstated
misstatement
misstatements
misstates
misstating
missteer
missteered
missteering
missteers
misstep
missteps
misstop
misstopped
misstopping
misstops
misstyle
misstyled
misstyles
misstyling
missuit
missuited
missuiting
missuits
missus
missuses
missy
mist
mistake
mistaken
mistakenly
mistaker
mistakers
mistakes
mistaking
mistaught
mistbow
mistbows
misteach
misteaches
misteaching
misted
mistend
mistended
mistending
mistends
mister
misterm
mistermed
misterming
misters
misteuk
misthink
misthinking
misthinks
misthought
misthrew
misthrow
misthrowing
misthrown
misthrows
mistier
mistiest
mistily
mistime
mistimed
mistimes
mistiming
misting
mistitle
mistitled
mistitles
mstitling
mistletoe
mistook
mistouch
mistouched
mistouches
mistouching
mistrace
mistraced
mistraces
mistracing
mstral
mstrals
mistreat
mistreated
mistreating
mistreatment
mistreatments
mistreats
mistress
mistresses
mistrial
mistrials
mistrust
mistrusted
mistrustful
mistrustfully
mistrustfulness
mistrustfulnesses
mistrusting
mistrusts
mistryst
mistrysted
mistrysting
mistrysts
mists
mistune
mistuned
mistunes
mistuning
mistutor
mistutored
mistutoring
mistutors
misty
mistype
mistyped
mistypes
mistyping
misunderstand
misunderstood
misunderstanding
misunderstandings
misunderstands
misunion
misunions
misusage
misusages
misuse
misused
misuser
misusers
misuses
misusing
misvalue
misvalued
misvalues
misvaluing
misword
misworded
miswording
miswords
miswrit
miswrite
miswrites
miswriting
miswritten
miswrote
misyoke
misyoked
misyokes
misyoking
mite
miter
mitered
miterer
miterers
mitering
miters
mites
mither
mithers
miticide
miticides
mobilizers
mobilizes
mobilizing
mobocrat
mobocrats
mobs
mobster
mobsters
moccasin
moccasins
mocha
mochas
mochila
mochilas
mock
mockable
mocked
mocker
mockeries
mockers
mockery
mocking
mockingbird
mockingbirds
mockingly
mocks
mockup
mockups
mod
modal
modalities
modality
modally
mode
model
modeled
modeler
modelers
modeling
modelings
modelled
modeller
modellers
modelling
models
moderate
moderately
modish
modishly
modiste
modistes
mods
modular
modularities
modularity
modularized
modulate
modulated
modulates
modulating
modulation
modulations
modulator
modulators
modulatory
module
modules
moduli
modulo
modulus
modus
mofette
mofettes
moffette
moffettes
mog
mogged
mogging
mogs
mogul
moguls
mohair
mohairs
mohalim
mohel
mohels
mohur
mohurs
moidore
moidores
moieties
moiety
moil
moiled
moiler
moloch
molochs
mols
molt
molten
moltenly
molter
molters
molting
molto
mols
moly
molybdic
molyb
d molys
mom
mome
moment
momenta
momentarily
momentary
momently
momento
momentoes
momentos
momentous
momentously
momentousment
momentousments
momentousness
momentousnesses
moments
momentum
momentums
momes
momi
momism
momisms
momma
mommas
mommies
mommy
moms
momus
momuses
mon
monachal
monacid
monacids
monad
monadal
monades
monadic
monadism
monadisms
monads
monandries
monandry
monarch
monarchic
monarchical
monarchical
monarchies
monarchs
monarchy
monarda
monardas
monas
monasterial
monasteries
monastery
monastic
monastically
monasticism
monasticisms
monastics
monaural
monaxial
monazite
monazites
monde
mondes
mondo
mondos
monecian
monetary
monetise
monetised
monetises
monetising
monetize
monetized
monetizes
monetizing
money
moneybag
moneybags
monopolize
monopolized
monopolizes
monopolizing
monopoly
monorail
monorails
monos
monosome
monosomes
monosyllable
monosyllables
monosyllabic
monotheism
monotheisms
monotheist
monotheists
monotint
monotints
monotone
monotones
monotonies
monotonous
monotonously
monotonousness
monotonousnesses
monotony
monotype
monotypes
monoxide
monoxides
mons
monsieur
monsignor
monsignori
monsignors
monsoon
monsoonal
monsoons
monster
monsters
monstrosities
monstrosity
monstrously
montage
montaged
montages
montaging
montane
montanes
monte
monteith
monteiths
montero
monteros
montes
month
monthlies
monthly
months
monument
monumental
monumentally
monuments
monuron
monurons
mony
moo
mooch
mooched
moocher
moochers
mooches
mooching
mood
moodier
moodiest
moodily
moodiness
moodinesses
moods
moody
moood
mooing
mool
moola
moolah
moolahs
moolas
mooley
mooleys
moools
moon
moonbeam
moonbeams
moonbow
moonbows
mooncalf
mooncalves
mooned
mooneye
mooneyes
moonfish
moonfishes
moonier
mooniest
moonily
mooning
moonish
moonless
moonlet
moonlets
moonlight
moonlighted
moonlighter
moonlighters
moonlighting
moonlights
moonlike
moonlit
moonrise
moonrises
moons
moonsail
moonsails
moonseed
moonseeds
moonset
moonsets
moonshine
moonshines
moonshot
moonshots
moonward
moonwort
moonworts
moony
moor
moorage
moorages
moored
moorfowl
moorfowls
moorhen
moraine
moraines
morainic
moral
morale
morales
moralise
moralised
moralises
moralising
moralism
moralisms
moralist
moralistic
moralists
moralities
morality
moralize
moralized
moralizes
moralizing
morally
morals
moras
morass
morasses
morassy
moratoria
moratorium
moratoriums
moratory
moray
morays
morbid
morbidities
morbidity
morbidly
morbidness
morbidnesses
morbific
morbilll
morceau
morceaux
mordancies
mordancy
mordant
mordanted
mordanting
mortgagors
mortice
morticed
mortices
morticing
mortification
mortifications
mortified
mortifies
mortify
mortifying
mortise
mortised
mortiser
mortisers
mortises
mortising
mortmain
mortmains
morts
mortuaries
mortuary
morula
morulae
morular
morulas
mosaic
mosaicked
mosaicking
mosaics
moschate
mosey
moseyed
moseying
moseys
moshav
moshavim
mosk
mosks
mosque
mosques
mosquito
mosquitoes
mosquitos
moss
mossback
mossbacks
mossed
mosser
mossters
mosses
mossier
mossiest
mossing
mosslike
mosso
mossy
most
moste
mostly
mosts
mot
mote
motel
motels
motes
motet
motets
motey
moth
mothball
mothballed
mothballing
mothballs
mother
mothered
motherhood
motherhoods
mothering
motherland
motherlands
motherless
motherly
mothers
mothery
mothier
mothiest
moths
mothy
motif
motifs
motile
motiles
motilities
motility
motion
motoring
motorings
motorise
motorised
motorises
motorising
motorist
motorists
motorize
motorized
motorizes
motorizing
motorman
motormen
motors
motortruck
motortrucks
motorway
motorways
mots
mott
motte
mottes
mottle
mottled
mottler
mottlers
mottles
mottling
motto
mottoes
mottos
motts
mouch
mouched
mouches
mouching
mouchoir
mouchoirs
moue
moues
moufflon
moufflons
mouflon
mouflons
mouille
moujik
moujiks
moulage
moulages
mould
moulded
moulder
mouldered
mouldering
moulders
mouldier
mouldiest
moulding
mouldings
moulds
mouldy
moulin
moulins
moult
moulted
moulted
moulters
moulters
moult ing
moults
mound
mounded
mounding
mounds
mount
mountable
mountain
mountaineer
mountaineered
mountaineering
mountaineers
mountainous
mountains
mountaintop
mountaintops
mountebank
mountebanks
mounted
mounter
mounters
mounting
mountings
mounts
mourn
mourned
mourner
mourners
mournful
mournfuller
mournfullest
mournfully
mournfulness
mournfullnesses
mournings
mourns
mouse
moused
mouser
mousers
mouses
mousetrap
mousetraps
mousey
mousier
mousiest
mousily
mousing
mousings
moussaka
moussakas
mousse
mousses
moustache
moustaches
mousy
mouth
mouthed
mouther
mouthers
mouthful
mouthfuls
mouthier
mouthiest
mouthily
mouthing
mouthpiece
mouthpieces
mouths
mouthy
mouton
moutons
movable
movables
mucilage
mucilages
mucilaginous
mucin
mucinoid
mucinous
mucins
muck
mucked
mucker
muckers
muckier
muckiest
muckily
mucking
muckle
muckles
muckluck
mucklucks
muckrake
muckraked
muckrakes
muckraking
mucks
muckworm
muckworms
mucky
mucluс
muclucs
mucoιd
mucoιdal
mucoιds
mucoɾ
mucors
mucosa
mucosae
mucosal
mucosas
mucose
mucosities
mucositis
mucosity
mucous
mucro
mucrones
mucus
mucuses
mud
muff
muffed
muffin
muffing
muffins
muffle
muffled
muffler
mufflers
muffles
muffling
muffs
mufti
muftis
mug
mugg
muggar
muggars
mugged
mugger
muggers
muggier
muggiest
muggily
mugginess
mugginesses
mugging
muggings
muggins
mugs
muggur
muggurs
muggy
mugho
mugs
mugwort
mugworts
mugwump
mugwumps
muhlies
muhly
mujik
mujiks
mukluk
mukluks
mulatto
mulattoes
mulattos
mulberries
mulberry
mulch
mulched
mulches
mulching
mulct
mulcted
mulcting
mulcts
mule
muled
mules
muleta
muletas
muleteer
muleteers
muley
muleys
muling
mulish
mulishly
mulishness
mulishnesses
mull
mulla
mullah
mullahs
mullas
mulled
mullein
mulleins
mullen
mullens
muller
mullers
mullet
mulletts
mulley
mulleys
mulligan
mulligans
mulling
mullion
mullioned
mullioning
mullions
mullite
mullites
mullock
mullocks
mullocky
mulls
multiarmed
multibarreled
multibillion
multibranched
multibuilding
multicenter
multichambered
multichannel
multicolored
multicounty
multicultural
multidenominational
multidimensional
multidirectional
multidisciplinary
multidiscipline
multidivisional
multidwelling
multifaceted
multifamily
multifarous
multifarously
multifid
multifilament
multifunction
multifunctional
multigrade
multiheaded
multihospital
multihued
multijet
multilane
multilateral
multilevel
multilingual
multilingualism
multilingualisms
multimedia
multimember
multimillion
multimillionaire
multimodalities
multimodality
mumbled
mumbler
umblers
mumbles
mumbling
mumbo
mumm
mummled
mum
mumblers
mumblers
mumbling
mum
mummed
mummic
mummications
mummicied
mummicifies
mummicify
mummicifying
mummicmings
mumms
mummy
mummying
mump
mumped
mumper
mumpers
mumping
mumps
mums
mun
munch
munched
muncher
munchers
munches
munching
mundane
mundanely
mundungo
mundungos
munge
mungo
mungoose
mungooses
mungos
mungs
murders
mure
mured
murein
mureins
mures
murex
murexes
muriate
muriated
muriates
muricate
murices
murid
murids
murine
murines
muring
murk
murker
murkest
murkier
murkiest
murkily
murkiness
murkinesses
murkly
murks
murky
murmur
murmured
murmurer
murmurers
murmuring
murmurous
murmurs
murphies
murphy
murr
murre
murrain
murrains
murras
murre
murrelet
murrelets
murrees
murrey
mushier
mushiest
mushily
mushing
mushroom
mushroomed
mushrooming
mushrooms
mushy
music
musical
musicale
musicales
musically
musicals
musician
musicianly
musicians
musicianship
musicianships
musics
musing
musingly
musings
musjid
musjids
musk
muskeg
muskegs
muskellunge
musket
musketries
musketry
muskets
muskie
muskier
muskies
muskiest
muskily
muskiness
muskinesses
muskmelon
muskmelons
muskrat
muskrats
musks
musky
muslin
muslins
muspike
muspikes
musquash
musquashes
muss
mussed
mussel
mussels
musses
mussier
mussiest
mussily
mussiness
mussinesses
mussing
mussy
must
mustache
mustaches
mustang
mustangs
mustard
mustards
musted
mustee
mustees
muster
mustered
mustering
musters
musth
musths
mustier
mustiest
mustily
mustiness
mustinesses
musting
musts
musty
mut
mutabilities
mutability
mutable
mutably
mutinously
mutiny
mutinying
mutism
mutisms
muts
mutt
mutter
muttered
mutterer
mutterers
muttering
mutters
mutton
muttons
muttony
mutts
mutual
mutually
mutuel
mutuels
mutular
mutule
mutules
muumuu
muumuus
muzhik
muzhiks
muzjik
muzjiks
muzzier
muzziest
muzzily
muzzle
muzzled
muzzler
muzzlers
muzzles
muzzling
muzzy
my
myalgia
myalgias
myalgic
myases
myasis
mycele
myceles
mycelia
mycelial
mycelian
mycelium
myceloid
mycetoma
mycetomas
mycetomata
mycologies
mycology
mycoses
mycosis
mycotic
myelin
myeline
myelines
myelinc
myelins
myelitides
myelitis
myeloid
myeloma
myelomas
myelomata
myelosuppression
myelosuppressions
myiases
myiasis
mylonite
mylonites
myna
mynah
mynahs
mynas
mynheer
mynheers
myoblast
myoblasts
myogenic
myograph
myographs
myoid
myologic
myologies
myology
myoma
myomas
myomata
myopathies
myopathy
myope
myopes
myopia
myopias
myopic
myopically
myopies
myopy
myoscope
myoscopes
myoses
myosin
myosins
myosis
myosote
myosotes
myosotis
myosotises
myotic
myotics
myotome
myotomes
myotonia
myotonias
myotonic
myriad
myriads
myriapod
myriapods
myrica
myricas
myriopod
myriopods
myrmidon
myrmidons
myrrh
myrrhic
myrrhs
myrtle
myrtles
myself
mysost
mysosts
mystagog
mystagogos
mysteries
mysterious
mysteriously
mysteriousness
mysteriousnesses
mystery
mystic
mystical
mysticly
mystics
mystification
mystifications
mystified
mystifies
mystify
mystifying
mystique
mystiques
myth
mythic
mythical
mythoi
mythological
mythologies
mythologist
mythologists
mythology
mythos
myths
myxedema
myxedemas
myxocyte
myxocytes
myxoid
myxoma
myxomas
myxomata
na
nab
nabbed
nabbing
nabis
nabob
naboberies
nabobery
nabobess
nabobesses
nabobism
nabobisms
narcissuses
narcist
narcists
narco
narcos
narcose
narcoses
narcosis
narcotic
narcotics
nars
nard
nardine
nards
nares
narghile
narghiles
nargile
nargileh
nargilehs
nargiles
narial
naric
narine
naris
nark
narked
narking
narks
narrate
narrated
narrater
narraters
narrates
narrating
narration
narrations
narrative
narratives
narrator
narrators
narrow
narrowed
narrower
narrowest
narrowing
narrowly
narrowness
narrownesses
narrow
narthex
narthaxes
narwal
narwals
narwhal
narwhale
narwhales
narwhals
nary
nasal
nasalise
nasalised
nasalis
nasalising
nasalities
nasality
nasalize
nasalized
nasalizes
nasalizing
nasally
nasals
nascence
nascences
nascencies
nascency
nascent
nasal
nasion
nasions
nastic
nastier
nastiest
nastily
nastiness
nastinesses
nasturtium
nasturtiums
nasty
natal
natalities
natality
natant
natantly
natation
natations
naturalisms
naturalist
naturalistic
naturalists
naturalization
naturalizations
naturalize
naturalized
naturalizes
naturalizing
naturally
naturalness
naturalnesses
naturals
nature
natured
natures
naught
naughtier
naughtiest
naughtily
naughtiness
naughtinesses
naughts
naughty
naumachies
naumachy
nauplial
nauplii
nauplius
nausea
nauseant
nauseants
nauseas
nauseate
nauseated
nauseates
nauseating
nauseatingly
nauseatingly
nauseous
nautch
nautches
nautical
nauticaly
nautili
nautiluses
nauvaid
nearliest
nearly
nearness
nearnesses
nears
nearsighted
nearsightedly
nearsightedness
nearsightednesses
neat
neaten
neatened
neatening
neatens
neater
neatest
neath
neatherd
neatherds
neatly
neatness
neatnesses
neats
neb
nebbish
nebbishes
nebs
nebula
nebulae
nebular
nebulae
nebule
nebulise
nebulised
nebulises
nebulising
nebulize
nebulized
nebulizes
nebulizing
nebulose
nebulous
nebuly
necessaries
necessarily
necessary
necessitate
necessitated
needer
needers
needful
needfuls
needier
neediest
needily
needing
needle
needled
needlepoint
needlepoints
needler
needlers
needles
needless
needlessly
needlework
needleworks
needling
needlings
needs
needy
neem
neems
neep
neeps
nefarious
nefariouses
nefariously
negate
negated
negater
negaters
negates
negating
negation
negations
negative
negatived
negatively
negatives
negativing
negaton
negatons
negator
negators
negatron
nektonic
nektons
nelson
nelsons
nelumbo
nelumbos
nema
nemas
nematic
nematode
nematodes
nemeses
nemesis
nene
neolith
neoliths
neologic
neologies
neologism
neologisms
neology
neomorph
neomorphs
neomycin
neomycins
neon
neonatal
neonate
neonates
neoned
neons
neophyte
neophytes
neoplasm
neoplasms
neoprene
neoprenes
neotenic
neotenies
neoteny
neoteric
neoterics
neotype
neotypes
nepenthe
nepenthes
nephew
nephews
nephric
nephrism
nephrisms
nephrite
nephrites
nephron
nephrons
nepotic
nepotism
nepotisms
nepotist
nepotists
nereid
nereides
nereids
nereis
neritic
nerol
neroli
nerolis
nerols
nerts
nertz
nervate
nerve
nerved
nerveless
nerves
nervier
nerviest
nervily
nervine
nervines
nerving
nervings
nervous
nervously
nervousness
nervousnesses
nervule
nervules
nervure
nervures
nervy
nescient
nescients
ness
nesses
neurotoxicities
neurotoxicity
neuston
neustons
neuter
neutered
neutering
neuters
neutral
neutralities
neutrality
neutralization
neutralizations
neutralize
neutralized
neutralizes
neutralizing
neutrals
neutrino
neutrinos
neutron
neutrons
neve
never
nevermore
nevertheless
neves
nevi
nevoid
nevus
new
newborn
newborns
newcomer
newcomers
newel
newels
newer
newest
newfound
newish
newly
newlywed
newlyweds
newmown
newness
newnesses
news
newsboy
newsboys
newscast
newscaster
newscasters
newscasts
newsier
newsies
newsiest
newsless
newsletter
newsmagazine
newsmagazines
newsman
newsman
newspaper
newspaper
newspapers
newspeak
newspeaks
newsprint
newsprints
newsreel
newsreels
newsroom
newsrooms
newsstand
newsstands
newsworthy
newsy
newt
newton
newtons
newts
next
nextdoor
nexus
nexuses
ngwee
niacin
niacins
nib
nibbed
nibbling
nibble
nibbled
nibbler
nictate
nictated
nictates
nictating
nidal
nide
nided
nidering
niderings
nides
nidget
nidgets
nidi
nidified
nidifies
nidify
nidifying
niding
nidus
niduses
niece
nieces
nielli
niellist
niellists
niello
nielloed
nielloing
niellos
nieve
nieves
niffer
niffered
niffering
niffers
nifter
niftiest
nifty
niggrad
niggarded
niggarding
niggardliness
niggardlinesses
niggardly
niggards
nigger
niggers
niggle
niggled
niggler
nigglers
niggles
niggling
nigglings
nigh
nighed
nigher
niggest
nighing
nighness
nighnesses
nighs
night
nightcap
nightcaps
nightclothes
nightclub
nightclubs
nightfall
nightfalls
nightgown
nightgowns
nightie
nighties
nightingale
nightingales
nightjar
nightjars
nightly
nightmare
nightmares
nightmarish
nights
nightshade
nightshades
nighttime
nighttimes
nighty
nigrified
nigrifies
nigrify
nigrifying
nigroin
nigrosins
nihil
nihilism
nihilisms
nihilist
nihilists
nihilities
nility
nihil
nil
nilgai
nilgais
nilgau
nilgaus
nilghai
nilghais
nilghau
nilghaus
nill
nilled
nilling
nills
nils
nim
nimbi
nimble
nimbleness
nimblenesses
nimbler
nimblest
nimbly
nimbus
nimbused
nimbuses
nimieties
nimiety
nimious
nimmed
nimming
nimrod
nimrods
nims
nincompoop
nincompoops
nine
ninebark
ninebarks
ninefold
ninepin
ninepins
nines
nineteen
nineteens
nineteenth
nineteenths
nineties
ninetieth
ninetieths
ninety
ninnies
ninny
ninnyish
ninon
ninons
ninth
ninthly
ninths
niobic
niobium
niobiums
niobous
nip
nipa
nipas
nipped
nipper
nippers
nippier
nippiest
nippily
nipping
nipple
nipples
nippy
nips
nirvana
nirvanas
nirvanic
nisei
niseis
 nisi
nisus
nit
nitchie
nitchies
niter
nitors
nitid
niton
nitons
nitpick
nitpicked
nitpicking
nitpicks
nitrate
nitrated
nitrates
nitrating
nitrator
nitrators
nitre
nitrates
nitric
nitrid
nitride
nitrides
nitrids
nitrified
nitrifies
nitrify
nitrifying
nitril
nitrile
nitriles
nitrils
nitrite
nitrates
nitro
nitrogen
nitrogenous
nitrogens
nitroglycerin
nitroglycerine
nitroglycerines
nitroglycerins
nitrolic
nitros
nitroso
nitrosurea
nitrosyl
nitrosyls
nitrous
nits
nittier
nittiest
nitty
nitwit
nitwits
nival
niveous
nix
nixed
nixes
nixie
nixies
nixing
nixy
nizam
nizamate
nizamates
nizams
no
nob
nobbier
nobbiest
nobbily
noble
nobbled
nobbler
noblere
nobbles
nobbling
nobby
nobilium
nobiliums
nobilities
nobility
noble
nobleman
noblemen
nobleness
noblenesses
noblerr
nobles
noblesse
noblesses
noblest
nobly
nobodies
nobody
nobs
nocent
nock
nocked
nocking
nonalcoholic
nonaligned
nonappearance
nonappearances
nonas
nonautomatic
nonbank
nonbasic
nonbeing
nonbeings
nonbeliever
nonbelievers
nonbook
nonbooks
nonbreakable
noncancerous
noncandidate
noncandidates
noncarbonated
noncash
nonce
nonces
nonchalance
nonchalances
nonchalant
nonchalantly
nonchargeable
nonchurchgoer
nonchurchgoers
noncitizen
noncitizens
nonclassical
nonclassified
noncom
noncombat
noncombatant
noncombatants
noncombustible
noncommercial
noncommittal
noncommunicable
noncompliance
noncompliances
noncoms
nonconclusive
nonconductor
nonconductors
nonconflicting
nonconforming
nonconformist
nonconformists
nonconsecutive
nonconstructive
nonconsumable
noncontagious
noncontributing
noncontrollable
noncontroversial
noncorrosive
noncriminal
noncritical
noncumulative
noncurrent
nondairy
nondeductible
nondefense
nondeferrable
nondegradable
nondeliveries
nondelivery
nondemocratic
nondenominational
nondescript
nondestructive
nondiscrimination
nondiscriminations
nondiscriminatory
none
noneducational
nonego
nonegos
nonelastic
nonelect
nonelected
nonelective
nonelectric
nonelectronic
nonemotional
nonempty
nonenforceable
nonenforcement
nonenforcements
nonentities
nonentity
nonentries
nonentry
nonequal
nonequals
nones
nonessential
nonesuch
nonesuches
nonetheless
nonevent
nonevents
nonexchangeable
nonexistence
nonexistences
nonexistent
nonexplosive
nonfarm
nonfat
nonfatal
nonfattening
nonfictional
nonflammable
nonflowering
nonfluid
nonfluids
nonfocal
nonfood
nonfunctional
nongame
nongovernmental
nongraded
nongreen
nonguilt
nonguiltls
nonhardy
nonhazardous
nonhereditary
nonhero
nonheroes
nonhuman
nonideal
nonindustrial
nonindustrialized
noninfectious
noninflationary
nonintegrated
nonintellectual
noninterference
nonintoxicating
noninvolvement
noninvolvements
nonionic
nonjuror
nonjurors
nonlegal
nonlethal
nonliterary
nonlives
nonliving
nonlocal
nonlocals
nonmagnetic
nonmalignant
nonman
nonmedical
nonmember
nonmembers
nonmen
nonmetal
nonmetallic
nonmetals
nonmilitary
nonmodal
nonmoney
nonmoral
nonmusical
nonnarcotic
nonnative
nonnaval
nonnegotiable
nonobese
nonobjective
nonobservance
nonobservances
nonorthodox
nonowner
nonowners
nonpagan
nonpagans
nonpapal
nonpar
nonparallel
nonparametric
nonpareil
nonpareils
nonparticipant
nonparticipants
nonparticipating
nonpartisan
nonpartisans
nonparty
nonpaying
nonpayment
nonpayments
nonperformance
nonperformances
nonperishable
nonpermanent
nonperson
nonpersons
nonphysical
nonplus
nonplused
nonpluses
nonplusing
nonplussed
nonplusses
nonplussing
nonpoisonous
nonpolar
nonpolitical
nonpolluting
nonporous
nonpregnant
nonproductive
nonprofessional
nonprofit
nonproliferation
nonproliferations
nonpros
nonprosed
nonprosses
nonprossing
nonquota
nonracial
nonradioactive
nonrated
nonrealistic
nonrecoverable
nonrecurring
nonrefillable
nonrefundable
nonregistered
nonreligious
nonrenewable
nonstudent
nonstudents
nonsubscriber
nonsuch
nonsuches
nonsugar
nonsugars
nonsuit
nonsuited
nonsuiting
nonsuits
nonsupport
nonsupports
nonsurgical
nonswimmer
nontax
nontaxable
nontaxes
nonteaching
nontechnical
nontidal
nontitle
nontoxic
nontraditional
nontransferable
nontropical
nontrump
nontruth
nontruths
nontypical
nonunion
nonunions
nonuple
nonuples
nonurban
nonuse
nonuser
nonusers
nonuses
nonusing
nonvenomous
nonverbal
nonviolence
nonviolences
nonviolent
nonviral
nonvocal
nonvoter
nonvoters
nonwhite
nonwhites
nonwoody
nonworker
nonworkers
nonwoven
nonzero
noo
noodle
noodled
noodles
noodling
nook
nookies
nooklike
nooks
nooky
noon
noonday
noondays
nooning
noonings
noons
noontide
noontides
noontime
noontimes
noose
noosed
nooser
noosers
nooses
noosing
nopal
nopals
nope
nor
noria
norias
norite
norites
noritic
norland
norlands
norm
normal
normalcies
normalcy
normalities
normality
normalization
normalizations
normalize
normalized
normalizes
normalizing
normally
normals
normed
normless
norms
north
northeast
northeasterly
northeastern
northeasts
norther
northerly
northern
northernmost
northers
norther
northing
northings
norts
northward
northwards
northwest
northwesterly
northwestern
northwests
nos
nose
nosebag
nosebags
noseband
nosebands
nosebleed
nosebleeds
nosed
nosegay
nosegays
noseless
noselike
noses
nougat
nougats
nought
noughts
nounena
nounenal
nounenon
noun
nounal
nounally
nounless
nouns
nourish
nourished
nourishes
nourishing
nourishment
nourishments
nous
nouses
nova
novae
novalike
novas
novation
novations
novel
novelise
novelised
novelises
novelising
novelist
novelists
novelize
novelized
novelizes
novelizing
novella
novellas
novelle
novelly
novels
novelties
novelty
novena
novenae
novenas
novercal
nucleal
nuclear
nuclease
nucleases
nucleate
nucleated
nucleates
nucleating
nuclei
nuclein
nucleins
nucleole
nucleoles
nucleoli
nucleon
nucleons
nucleus
nucleuses
nuclide
nuclides
nuclidic
nude
nudely
nudeness
nudeneses
nuder
nudes
nudest
nudge
nudged
nudger
nudgers
nudges
nudging
nudicaul
nudie
nudies
nudism
nudisms
nudist
nudists
nudities
nudity
nudnick
nudnicks
nudnik
nudniks
nugatory
numerators
numeric
numerical
numerically
numeric
numerics
numerologies
numerologist
numerologists
numerology
numerous
numina
numinous
numinouses
numismatic
numismatics
numismatist
numismatists
nummary
nummular
numskull
numskulls
nun
nuncio
nuncios
nuncle
nuncles
unlike
nunneries
nunnery
nunnish
nuns
nuptial
nuptials
nurl
nurled
nurling
nurls
nurse
nursed
nurseries
nursery
nurses
nursing
nursings
nursling
nurslings
nurture
nurtured
nutshells
nutted
nutter
nutters
nuttier
nuttiest
nuttily
nuttily
nutting
nutty
nutwood
nutwoods
nuzzle
nuzzled
nuzzles
nuzzling
nyala
nyalas
nylghai
nylghais
nylghau
nylghaus
nylon
nylons
nymph
nympha
nymphae
nymphal
nymphean
nymphet
nymphets
nympho
nymphomania
nymphomaniac
nymphomanias
nymphos
nymphs
oaf
oafish
oafishly
oafs
oak
oaken
oaklike
oakmoss
oakmosses
oaks
oakum
oakums
oar
oared
oarfish
oarfishes
oaring
oarless
oarlike
oarlock
oarlocks
oars
oarsman
oarsmen
oases
oasis
oast
oasts
oat
oatcake
oatcakes
oaten
oater
oaters
oath
oaths
oatlike
oatmeal
oatmeals
oats
oaves
obduracies
obduracy
obdurate
obe
obeah
obeahism
obeahisms
obeahs
obedience
obediences
obedient
obediently
obeisance
obeisant
obeli
obelia
obelias
obelise
obelised
obelises
obelising
obelisk
obelisks
obelism
obelisms
obelize
obelize
obelized
obelize
obelizing
obelus
obes
obese
obesely
obesities
obesity
obey
obeyable
obeyed
obeyer
obeyers
obeying
obeys
obfuscate
obfuscated
obfuscates
obfuscating
obfuscation
obfuscations
obi
obia
obias
obiism
obiisms
obis
obit
obits
obituaries
obituary
object
objected
objecting
objection
objectionable
objections
objective
objectively
objectiveness
obsequiously
obsequiousness
obsequiousnesses
obsequy
observance
observances
observant
observation
observations
observatories
observatory
observe
observed
observer
observers
observes
observing
obsess
obsessed
obsesses
obsessing
obsession
obsessions
obsessive
obsessively
obsessor
obsessors
obsidian
obsidians
obsolescence
obsolescences
obsolescent
obsolete
obsoleted
obsoletes
obsoleting
obstacle
obstacles
obstetrical
obstetrician
obstetricians
obstetrics
obstinacies
obstinacy
obstinate
obstinately
obstreperous
obstreperousness
obstreperousnesses
obstruct
obstructed
obstructing
obstruction
obstructions
obstructive
obstructor
obstructors
obstructs
obtain
obtainable
obtained
obtainer
obtainers
obtaining
obtains
obtect
obected
obest
obested
obesting
obests
obrude
obruded
obruder
obruders
obrudes
obruding
obrusion
obclusions
obrusive
obrusively
obrusiveness
obrusivenesses
obtund
obtunded
obtunding
obtunds
oburate
obturated
obturates
obturating
obtuse
obtusely
obtuser
obtusest
obverse
occupancy
occupant
occupants
occupation
occupational
occupationally
occupations
occupied
occupier
occupiers
occupies
occupy
occupying
occur
occurrence
occurrences
occurred
occurrence
occurrences
occurring
occurs
ocean
oceanfront
oceanfronts
ocean-going
oceanic
oceanographer
oceanographers
oceanographic
oceanographies
oceanography
oceans
ocellar
ocellate
ocelli
ocellus
oceloid
ocelot
ocelots
ocher
ochered
ochering
ocherous
ochers
ochery
ochone
ochre
ochrea
ochreae
ochred
ochreous
ochres
ochring
ochroid
ochrous
ochry
ocotillo
ocotillos
ocrea
ocreae
ocreate
octad
octadic
octads
octagon
octagonal
octagons
octal
octane
octanes
octangle
octangles
octant
octantal
octants
octarchies
octarchy
octaval
octave
octaves
octavo
octavos
octet
octets
octette
octettes
octonaries
octonary
octopi
octopod
octopodes
octopods
octopus
octopuses
octoroone
octoroons
octroi
octrois
octuple
octupled
octuples
octuplet
octuplets
octuplex
octupling
octuply
octyl
octyls
ocular
ocularly
oculars
oculist
oculists
od
odalisk
odalisks
odd
oddball
oddballs
odder
oddest
oddish
oddties
oddity
oddly
oddmend
oddmements
oddness
oddnesses
odds
ode
odea
odeon
odeons
odes
odeum
odic
odious
odiously
odiousness
odiousnesses
odium
odiums
odograph
odographs
odometer
odometers
odometries
odometry
odonate
odonates
odontoid
odontoids
odor
odorant
odorants
odored
odorful
odorize
odorized
odorizes
odorizing
odorless
odorous
odors
odour
odourful
odours
ods
odyl
odyle
odyles
odyls
odyssey
odysseys
oe
oecologies
oecology
oedema
oedemas
oedemata
oedipal
oedipean
oeillade
oeillades
oenologies
oenology
oenomel
oenomels
oersted
oersteds
oes
omniscience
omnisciences
omniscent
omnisciently
omnivora
omnivore
omnivores
omnivorous
omnivorusly
omnivorousness
omnivorousnesses
omphagies
omphagy
omphali
omphalos
oms
on
onager
onagers
onagri
onanism
onanisms
onanist
onanists
once
onces
oncidium
oncidiums
oncologic
oncologies
oncologist
oncologists
oncology
oncoming
oncomings
ondogram
ondograms
one
onefold
oneiric
oneness
onenesses
onerier
oneriest
onerous
onery
ones
oneself
ooh
oohed
oohing
oohs
oolachan
oolachans
oolite
oolites
oolith
ooliths
oolitic
oologic
oologies
oologist
oologists
oology
oolong
oolongs
oomiac
oomiack
oomiacks
oomiacs
oomiak
oomiaks
oomph
oomphs
oophorectomy
oophyte
oophytes
oophytic
oops
oorali
ooralis
oorie
oosperm
oosperms
oosphere
oospheres
oospore
oospores
oosporic
oot
ootheca
oothecae
oothecal
ootid
ootids
oots
ooze
oozed
oozes
oozier
ooziest
oozily
ooziness
oozinesses
oozing
oozy
op
opacified
opacifies
opacify
opacifying
opacities
opacity
opah
opahs
opal
opalesce
opalesced
opalesces
opalescing
opaline
opalines
opals
opaque
opaqued
opaquely
opaqueness
opaquenesses
opaquer
opales
opque
opquest
opaquing
ope
oped
open
openable
opened
opener
openers
openest
openhanded
opening
openings
openly
opiates
opiating
opine
opined
opines
oping
opining
opinion
opinionated
opinions
opium
opiumism
opiumisms
opiums
opossum
opossums
oppidan
oppidans
oppilant
oppilate
oppilated
oppilates
oppilating
opponent
opponents
opportune
opportunely
opportunism
opportunisms
opportunist
opportunistic
opportunists
opportunities
opportunity
oppose
opposed
opposer
opposers
opposes
opposing
opposite
oppositely
oppositeness
oppositenesses
opposites
opposition
oppositions
oppress
orbicular
orbing
orbit
orbital
orbitals
orbited
orbiter
orbiters
orbiting
orbits
orbs
orc
orca
orcas
orcin
orcinol
orcinols
orcins
orcs
ordain
ordained
ordainer
ordainers
organ
organa
organdie
organdies
organdy
organic
organically
organics
organise
organised
organises
organising
organism
organisms
organist
organists
organization
organizational
organizationally
organizations
organize
organized
organizer
organizers
organizes
organizing
organon
organons
organs
organum
organums
organza
organzas
orgasm
orgasmic
orgasms
orgastic
orgeat
orgeats
orgiac
orgic
orgies
orgulous
orgy
oribatid
oribatids
oribi
oribis
oreil
oriels
orient
oriental
orientals
orientation
orientations
oriented
orienting
orients
orifice
orifices
origami
origamis
origan
origans
origanum
organums
origin
original
originalities
originality
originally
originals
originate
originated
originates
originating
originator
originators
origins
orinasal
orinasals
oriole
orioles
orison
orisons
orle
orles
orlop
orlops
ormer
ormers
ormolu
ormolus
ornament
ornamental
ornamentation
osculated
osculates
osculating
oscule
oscules
osculum
ose
oses
osier
osiers
osmatic
osmic
osmious
osmium
osmiums
osmol
osmolal
osmolar
osmols
osmose
osmed
osmoses
osmosing
osmosis
osmotic
osmous
osmund
osmunda
osmundas
osmunds
osnaburg
osnaburges
osprey
ospreys
ossa
ossein
osseins
osseous
ossia
ossicle
ossicles
ossific
ossified
ossifier
ossifiers
ossifies
ossify
ossifying
ossuaries
ossuary
osteal
osteitic
osteitides
osteitis
ostensible
ostensibly
ostentation
ostentations
ostentatious
ostentatiously
osteoblast
osteoblasts
osteoid
osteoids
osteoma
osteomas
osteomata
osteopath
osteopathic
osteopathies
osteopaths
osteopathy
osteopenia
ostia
ostiaries
ostiary
ostinato
ostinatos
ostiolar
ostiole
ostioles
ostium
ostler
ostlers
ostmark
ostmarks
ostomies
ostomy
ostoses
ostosis
ostosises
ostracism
ostracisms
ostracize
ostracized
ostracizes
ostracizing
ostracod
ostracods
ostrich
ostriches
ostsis
ostsises
otalgia
otalgias
otalgie
otalgies
otalgy
other
others
otherwise
otic
otiose
otiosely
otiosities
otiosity
otic
otitides
otitis
otocyst
otocysts
otolith
otoliths
otologies
otology
otoscope
otoscopes
otoscopies
otoscopy
ototoxicities
ototoxicity
ottar
ottars
ottava
ottavas
otter
otters
otto
ottoman
ottomans
ottos
ouabain
ouabains
ouch
outcome
outcomes
outcook
outcooked
outcooking
outcooks
outcrawl
outcrawled
outcrawling
outcrawls
outcried
outcries
outcrop
outcropped
outcropping
outcrops
outcross
outcrossed
outcrosses
outcrossing
outcrow
outcrowed
outcrowing
outcrows
outcry
outcrying
outcurse
outcursed
outcurses
outcursing
outcurve
outcurves
outdance
outdanced
outdances
outdancing
outdare
outdared
outdares
outdaring
outdate
outdated
outdates
outdating
outdid
outdistance
outdistanced
outdistances
outdistancing
outdo
outdodge
outdodged
outdodges
outdodging
outdoer
outdoers
outdoes
outdoing
outdone
outdoor
outdoors
outdrank
outdraw
outdrawing
outdrawn
outdraws
outdream
outdreamed
outdreaming
outdreams
outdreamt
outdress
outdressed
outdresses
outdressing
outdrew
outdrink
outdrinking
outdrinks
outdrive
outdriven
outdrives
outdriving
outdrop
outdropped
outdropping
outdrops
outdrove
outdrunk
outeat
outeaten
outeating
outeats
outecho
outechoed
outechoes
outfitter
outfitters
outfitting
outflank
outflanked
outflanking
outflanks
outflew
outflies
outflow
outflowed
outflowing
outflown
outflows
outfly
outflying
outfool
outfooled
outfooling
outfools
outfoot
outfooled
outfooting
outfoots
outfought
outfound
outfox
outfoxed
outfoxes
outfoxing
outfrown
outfrowned
outfrowning
outfrowns
outgain
outgained
outgaining
outgains
outgas
outgassed
outgasses
outgassing
outgave
outgive
outgiven
outgives
outgiving
outglose
outglare
outhearing
outhears
outhit
outhits
outhitting
outhouse
outhouses
outhowl
outhowled
outhowling
outhowls
outhumor
outhumored
outhumoring
outhumors
outing
outings
outjinx
outjinxed
outjinxes
outjinxing
outjump
outjumped
outjumping
outjumps
outjut
outjuts
outjutted
outjutting
outkeep
outkeeping
outkeeps
outkept
outkick
outkicked
outkicking
outkicks
outkiss
outkissed
outkisses
outkissing
outlaid
outlain
outland
outlandish
outlandishly
outlands
outlast
outplay
outplayed
outplaying
outplays
outplod
outplodded
outplodding
outplods
outpoint
outpointed
outpointing
outpoints
outpoll
outpolled
outpolling
outpolls
outport
outports
outpost
outposts
outpour
outpoured
outpouring
outpours
outpray
outprayed
outpraying
outprays
outpreen
outpreened
outpreening
outpreens
outpress
outpressed
outpresses
outpressing
outprice
outpriced
outprices
outpricing
outpull
outpulled
outpulling
outpulls
outpush
outpushed
outpushes
outpushing
outsides
out sight
outsights
outsin
outsing
outsinging
outsings
outsinned
outsinning
outsins
out sit
outsits
out sitting
out size
outsized
out sizes
out skirt
out skirts
outsleep
outsleeping
outsleeps
outslept
out smart
outsmarted
outsmarting
outsmarts
out smile
out smiled
out smiles
out smiling
out smoke
out smoked
out smokes
out smoking
out snore
out snored
out snores
out snoring
out soar
out soared
out soaring
out soars
out sold
out sole
out soles
out span
out spanned
out spanning
outspans
tonspoke
toutspeaking
toutspeaking
toutspeaks
toutspell
toutspelled
toutspelling
toutspells
toutspelt
toutspend
toutspending
toutspends
toutspent
toutspoke
toutspoken
toutspokenness
toutspokennesses
toutstand
toutstanding
toutstandingly
toutstands
toutstare
toutstared
toutstares
toutstaring
toutstart
toutstarted
toutstarting
toutstarts
toutstate
toutstated
toutstates
toutstating
toutstay
toutstayed
toutstaying
toutstays
toutsteer
toutsteered
toutsteering
toutsteers
toutstood
toutstrip
toutstripped
toutstripping
toutstrips
toutstudied
toutstudies
outthrow
outthrowing
outthrown
outthrows
outtold
outtower
outtowered
outtowering
outtowers
outtrade
outtraded
outtrades
outtrading
outtrick
outtricked
outtricking
outtricks
outtrot
outtrots
outtrotted
outrotting
outtrump
outtrumped
outtrumping
outtrumps
outturn
outturns
outvalue
outvalued
outvalues
outvaluing
outvaunt
outvaunted
outvaunting
outvaunts
outvoice
outvoiced
outvoices
outvoicing
outvote
outvoted
outvotes
outvoting
outwait
outwaited
outwaiting
outwaits
outwalk
outwalked
outwalking
outwalks
outwar
outward
outwards
outwarred
outwarring
outwars
outwash
outwashes
outwaste
outwasted
outwastes
outwasting
outwatch
outwatched
outwatches
outwatching
outwear
outwearing
outwearied
outwearies
outwearing
outwears
outweary
outwearying
outweep
outweeping
outweeps
outweigh
outweighed
outweighing
outweighs
outwent
outwept
outwhirl
outwhirled
outwhirling
outwhirls
outwile
outwiled
outwiles
outwiling
outwill
outwilled
outwilling
outwills
outwind
outwinded
outwinding
outwinds
outwish
outwished
outwishes
outwishing
outwit
outwits
outwitted
outwitting
outwore
outwork
outworked
outworking
outworks
outworn
outwrit
outwrite
outwrites
outwriting
outwritten
outwrote
outwrought
outyell
outyelled
outyelling
outyells
outyelp
outyelped
outyelping
outyelps
outyield
outyielded
outyielding
outyields
ouzel
ouzels
ouzo
ouzos
ova
oval
ovalities
ovality
ovally
ovalness
ovalnesses
ovals
ovarial
ovarian
ovaries
ovariole
ovarioles
ovaritides
ovaritis
ovary
ovate
ovately
ovation
ovations
oven
ovenbird
ovenbirds
ovenlike
ovens
ovenware
ovenwares
over
overable
overabundance
overabundances
overabundant
overacceptance
overacceptances
overachiever
overachievers
overact
overacted
overacting
overactive
overacts
overage
overages
overaggressive
overall
overalls
overambitious
overamplified
overamplifies
overamplify
overamplifying
overanalyze
overanalyzed
overanalyzes
overanalyzing
overanxieties
overanxiety
overanxious
overapologetic
overapt
overarch
overarched
overarches
overarching
overarm
overarousal
overarouse
overaroused
overarouses
overarousing
overassertive
overate
overawe
overawed
overawes
overawing
overbake
overbaked
overbakes
overbaking
overbear
overbearing
overbears
overbet
overbets
overbetted
overbetting
overbid
overbidden
overbidding
overbids
overbig
overbite
overbites
overblew
overblow
overblowing
overblown
overblows
overboard
overbold
overbook
overbooked
overbooking
overbooks
overbore
overborn
overborne
overborrow
overborrowed
overborrowing
overborrows
overbought
overbred
overbright
overbroad
overbuild
overbuilded
overbuilding
overbuilds
overburden
overburdened
overburdening
overburdens
overbusy
overbuy
overbuying
overbuys
overcall
overcalled
overcalling
overcalls
overcame
overcapacities
overcapacity
overcapitalize
overcapitalized
overcapitalizes
overcapitalizing
overcareful
overcast
overcasting
overcasts
overcautious
overcharge
overcharged
overcharges
overcharging
overcivilized
overclean
overcoat
overcoats
overcold
overcome
overcomes
overcoming
overcommit
overcommitted
overcommitting
overcommits
overcompensate
overcompensated
overcompensates
overcompensating
overcomplicate
overcomplicated
overcomplicates
overcomplicating
overconcern
overconcerned
overconcerning
overconcerns
overconfidence
overconfidences
overconfident
overconscientious
overconsume
overconsumed
overconsumes
overconsuming
overconsumption
overconsumptions
overcontrol
overcontroled
overcontroling
overcontrols
overcook
overcooked
overcooking
overcooks
overcool
overcooled
overcooling
overcools
overcorrect
overcorrected
overcorrecting
overcorrects
overcoy
overcram
overcrammed
overcramming
overcrams
overcritical
overcrop
overcropped
overcropping
overcrops
overcrowd
overcrowded
overcrowding
overcrowds
overdare
overdared
overdares
overdaring
overdear
overdeck
overdecked
overdecking
overdecks
overdecorate
overdecorated
overdecorates
overdecorating
overdepend
overdepended
overdependent
overdepending
overdepends
overdevelop
overdeveloped
overdeveloping
overdevelops
overdid
overdo
overdoer
overdoers
overdoes
overdoing
overdone
overdose
overdosed
overdoses
overdosing
overdraft
overdrafts
overdramatic
overdramatize
overdramatized
overdramatizes
overdramatizing
overdraw
overdrawing
overdrawn
overdraws
overdress
overdressed
overdresses
overdressing
overdrew
overdrink
overdrinks
overdry
overdue
overdye
overdyed
overdyeing
overdyes
overeager
overeasy
overeat
overeaten
overeater
overeaters
overeating
overeats
overed
overeducate
overeducated
overeducates
overeducating
overelaborate
overemotional
overemphases
overemphasis
overemphasize
overemphasized
overemphasizes
overemphasizing
overenergetic
overenthusiastic
overestimate
overestimated
overestimates
overestimating
overexaggerate
overexaggerated
overexaggerates
overexaggerating
overexaggeration
overexaggerations
overexcite
overexcited
overexcitement
overexcitements
overexcites
overexciting
overexercise
overexpert
overexertion
overexertions
overexhaust
overexhausted
overexhausting
overexhaustings
overexhausts
overexpand
overexpanded
overexpanding
overexpands
overexpansion
overexpansions
overexplain
overexplained
overexplaining
overexplains
overexploit
overexploited
overexploiting
overexploits
overexpose
overexposed
overexposes
overexposing
overexposing
overextend
overextended
overextending
overextends
overextension
overextensions
overexuberant
overfamiliar
overfar
overfast
overfat
overfatigue
overfatigued
overfatigues
overfatiguing
overfear
overfeared
overfearing
overfears
overfed
overfeed
overfeeding
overfeeds
overfertilize
overfertilized
overfertilizes
overfertilizing
overfill
overfilled
overfilling
overfills
overfish
overfished
overfishes
overfishing
overflew
overflies
overflow
overflowed
overflowing
overflown
overflows
overfly
overflying
overfond
overfoul
overfree
overfull
overgenerous
overgild
overgilded
overgilding
overgilds
overgilt
overgird
overgirded
overgirding
overgirds
overgirt
overglad
overglamorize
overglamorized
overglamorizes
overglamorizing
overgoad
overgoaded
overgoading
overgoads
overgraze
overgazed
overgrazes
overgrazing
overgrew
overgrow
overgrowing
overgrown
overgrows
overhand
overhanded
overhanding
overhands
overhang
overhanging
overhangs
overhard
overharvest
overharvested
overharvesting
overharvests
overhasty
overhate
overhated
overhates
overhating
overhaul
overhauled
overhauling
overhauls
overhead
overheads
overheap
overheaped
overheaping
overheaps
overhear
overheard
overhearing overhears overheat overheated overheating overheats overheld overhigh overhold overholding overholds overholy overhope overhoped overhopes overhoping overhot overhung overhunt overhunted overhunting overhunts overidealize overidealized overidealizes overidealizing overidle overimaginative overimbibe overimbibed overimbibes overimbibing overimpressed overindebted overindulge overindulged overindulgent overindulges overindulging overinflate overinflated overinflates overinflating overinfluence overinfluenced overinfluences overinfluencing overing
overinsistent
overintense
overintensities
overintensity
overinvest
overinvested
overinvesting
overinvests
overinvolve
overinvolved
overinvolves
overinvolving
overjoy
overjoyed
overjoying
overjoys
overjust
overkeen
overkill
overkilled
overkilling
overkills
overkind
overlade
overladed
overladen
overlades
overlading
overlaid
overlain
overland
overlands
overlap
overlapped
overlapping
overlaps
overlarge
overlate
overlax
overlay
overlaying
overlays
overleaf
overleap
overleaped
overleaping
overleaps
overleapt
overmixed
overmixes
overmixing
overmodest
overmuch
overmuches
overnear
overnat
overnew
overnice
overnight
overobvious
overoptimistic
overorganize
overorganized
overorganizes
overorganizing
overpaid
overparticular
overpass
overpassed
overpasses
overpassing
overpast
overpatriotic
overpay
overpaying
overpayment
overpayments
overpays
overpermissive
overpert
overplay
overplayed
overplaying
overplays
overplied
overplies
overplus
overpluses
overply
overplying
overpopulated
overpossessive
overpower
overpowered
overpowering
overpowers
overprase
overprased
overprases
overprasing
overprescribe
overprescribed
overprescribes
overprescribing
overpressure
overpressures
overprice
overpriced
overprices
overpricing
overprint
overprinted
overprinting
overprints
overprivileged
overproduce
overproduced
overproduces
overproducing
overproduction
overproductions
overpromise
overprotect
overprotected
overprotecting
overprotective
overprotects
overpublicize
overpublicized
overpublicizes
overpublicizing
overqualified
overnan
overnrank
overrash
overrate
overrated
overrates
overrating
overreach
overreached
overreaches
overreaching
overreact
oversalting
oversalts
oversaturate
oversaturated
oversaturates
oversaturating
oversave
oversaved
oversaves
oversaving
oversaw
oversea
overseas
oversee
overseed
overseeded
overseeding
overseeds
overseeing
overseen
overseer
overseers
oversees
oversell
overselling
oversells
oversensitive
overserious
overset
oversets
oversetting
oversew
overseted
oversewing
oversewn
oversews
oversexed
overshadow
overshadowed
overshadowing
overshadows
overshoe
overshoes
overshoot
overshooting
overshoots
overshot
overshots
oversick
overside
oversides
oversight
oversights
oversimple
oversimplified
oversimplifies
oversimplify
oversimplifying
oversize
oversizes
oversleep
oversleeping
oversleeps
overslept
overslip
overslipped
overslipping
overslips
overslipt
overslow
oversoak
oversoaked
oversoaking
oversoaks
oversoft
oversold
oversolicitous
oversoon
oversoul
oversouls
overspecialize
overspecialized
overspecializes
overspecializing
overspend
overspent
overspending
overspends
overspin
overspins
overspread
overspreading
overspreads
overstaff
overstaffed
overstaffing
overstaffs
overstate
overstated
overstatement
overstatements
overstates
overstating
overstay
overstayed
overstaying
overstays
overstep
overstepped
overstepping
oversteps
overstimulate
overstimulated
overstimulates
overstimulating
overstir
overstirred
overstirring
overstirs
overstock
overstocked
overstocking
overstocks
overstrain
overstrained
overstraining
overstrains
overstress
overstressed
overstresses
overstressing
overstretch
overstretched
overstretches
overstretching
overstrict
oversubtle
oversup
oversupped
oversupping
oversupplied
oversupplies
oversupply
oversupplying
overtopped
overtopping
overtops
overtrain
overtrained
overtraining
overtrains
overtreat
overtreated
overtreating
overtreats
overtrim
overtrimmed
overtrimming
overtrims
overture
overtured
overtures
overturing
overturn
overturned
overturning
overturns
overurge
overurged
overurges
overurging
overuse
overused
overuses
overusing
overutilize
overutilized
overutilizes
overutilizing
overvalue
overvalued
overvalues
overvaluing
overview
overviews
overvote
overvoted
overvotes
overvoting
overwarm
overwarmed
overwarming
ownerships
owning
owns
owse
owsen
ox
oxalate
oxalated
oxalates
oxalating
oxalic
oxalis
oxalises
oxazine
oxazines
oxblood
oxbloods
oxbow
oxbows
oxcart
oxcarts
oxen
oxes
oxeye
oxeyes
oxford
oxfords
oxheart
oxhearts
oxid
oxidable
oxidant
oxidants
oxidase
oxidases
oxidasic
oxidate
oxidated
oxidates
oxidating
oxidation
oxidations
oxide
oxides
oxidic
oxidise
oxidised
oxidiser
oyer
oyers
eyes
oyesses
oyez
oyster
oystered
oysterer
oysterers
oysterer
oysterings
oysterman
oystermen
oysters
ozone
ozones
ozonic
ozonide
ozonides
ozonise
ozonised
ozonises
ozonising
ozonize
ozonized
ozonizer
ozonizers
ozonizes
ozonizing
ozonous
pa
pabular
pabulum
pabulums
pac
paca
pacas
pace
paced
pacemaker
pacemakers
pacer
pacers
paces
pacha
pachadom
pachadoms
pachalic
pairs
pains
paisan
paises
paisan
paisans
paise
paisley
paisleys
pajama
pajamas
pal
palabra
palabras
palace
palaced
palaces
paladin
paladins
palais
palatable
palatal
palatals
palate
palates
palatine
palatines
palaver
palavered
palavering
palavers
palazzi
palazzo
pale
palea
paleae
paleal
paled
paleface
palefaces
paley
paleness
palenesses
paleoclimatologic
paler
pales
palest
palestra
palestrae
palestras
palet
paletot
paletots
palets
palette
palettes
paleways
palewise
palfrey
palfreys
palier
paliest
palikar
palikars
paling
palings
palinode
palinodes
palisade
palisaded
palisades
palisading
palish
pall
palladia
palladic
pallbearer
pallbearers
palled
pallet
pallets
pallette
pallettes
pallia
pallial
palliate
palliated
palliates
palliating
palliation
palliations
palliative
pallid
pallidly
pallier
palliest
palling
pallium
palliums
pallor
pallors
palls
pally
palm
palmar
palmary
palmate
palmated
palmed
palmer
palmers
palmette
palmettes
palmetto
palmettoes
palmettos
palmier
palmiest
palming
palmist
palmistries
palmistry
palmists
palmitin
palmitins
palmlike
palms
palmy
palmyra
palmyras
palomino
palominos
palooka
palookas
palp
palpable
palpably
palpal
palpate
palpated
palpates
palpating
pandore
pandores
pandour
pandours
pandowdies
pandowdy
pandura
panduras
pandy
pandying
pane
paned
panegyric
panegyrics
panegyrist
panegyrists
panel
paneled
paneling
panelings
panelist
panelists
panelled
panelling
panels
panes
panetela
panetelas
panfish
panfishes
panful
panfuls
pang
panga
pangas
panged
pangen
pangens
panging
pangolin
pangolins
pangs
panhandle
panhandled
panhandler
panhandlers
panhandles
panhandling
panhuman
panic
panicked
panickier
panickiest
panicking
panicky
panicle
panicled
panicles
panics
panicum
panicums
panier
paniers
panmixia
panmixias
panne
panned
pannes
pannier
panniers
pannikin
pannikins
panning
panocha
panochas
panoche
panoches
panplies
panoply
panoptic
panorama
panoramas
panoramic
panpipe
panpipes
pans
pansies
pansophies
pansophy
pansy
pant
pantaloons
panted
pantheon
pantheons
panther
panthers
pantie
panties
pantile
pantiled
pantiles
panting
pantoffle
pantoffles
pantomime
pantomimed
pantomimes
pantomiming
pantoum
pantoums
pantries
pantry
pants
pantsuit
pantsuits
panty
panzer
panzers
pap
papa
papacies
papacy
papain
papains
papal
papally
papas
papaw
papaws
papaya
papayan
papayas
paper
paperboard
paperboards
paperboy
paperboys
papered
paperer
paperers
paperhanger
paperhangers
paperhanging
papyruses
par
para
parable
parables
parabola
parabolas
parachor
parachors
parachute
parachuted
parachutes
parachuting
parachutist
parachutists
parade
paraded
parader
paraders
parades
paradigm
paradigms
parading
paradise
paradises
parados
paradoses
paradox
paradoxes
paradoxical
paradoxically
paradrop
paradropped
paradropping
paradrops
paraffin
paraffined
paraffinic
paraffining
paraffins
paraform
paraforms
paragoge
paragoses
paragon
paragoned
paragoning
paragons
paraph
paraphernalia
paraphrase
paraphrased
paraphrases
paraphrasing
paraphs
paraplegia
paraplegias
paraplegic
paraplegics
paraquat
paraquats
paraquet
paraquets
paras
parasang
parasangs
parashah
parashioth
parashoth
parasite
parasites
parasitic
parasitism
parasitisms
parasol
parasols
parasternal
paratrooper
paratroopers
paratroops
paravane
paravanes
parboil
parboiled
parboiling
parboils
parcel
parceled
parceling
parcelled
parceling
parcels
parcener
parceners
parch
parched
paresis
paresthesia
paretic
paretics
pareu
pareus
pareve
parfait
parfaits
parflesh
parfleshes
parfocal
parge
parged
parges
target
targeted
targeting
targets
targetted
targetting
parging
pargo
pargos
parhelia
parhelic
pariah
pariahs
parian
parians
paries
parietal
parietals
parietes
paring
parings
paris
parises
parish
parishes
parishioner
parishioners
parishes
parities
parity
park
parka
parkas
parked
parturition
parturitions
partway
party
partying
parura
paruras
parure
parures
parve
parvenu
parvenue
parvenus
parvis
parvise
parvises
parvolin
parvolins
pas
paschal
paschals
pase
paseo
paseos
pases
pash
pasha
pashadom
pashadoms
pashalic
pashalics
pashalik
pashaliks
pashas
pashed
pashes
pashing
pasquil
pasquils
pass
passable
passably
passade
passades
passado
passadoes
passados
passage
pasta
pastas
paste
pasteboard
pasteboards
pasted
pastel
pastels
paster
pastern
pasterns
pasters
pastes
pasteurization
pasteurizations
pasteurize
pasteurized
pasteurizer
pasteurizers
pasteurizes
pasteurizing
pasticci
pastiche
pastiches
pastier
pasties
pastiest
pastil
pastille
pastilles
pastils
pastime
pastimes
pastina
pastinas
pasting
pastness
pastnesses
pastor
pastoral
pastorals
pastorate
pastorates
pastored
pastoring
pastors
pastrami
pastramis
pastries
pastromi
pastromis
pastry
pasts
pastural
pasture
pastured
pasturer
pasturers
pastures
pasturing
pasty
pat
pataca
patacas
patagia
patagium
patamar
patamars
patch
patched
patcher
patchers
patches
patchier
patchiest
patchily
patching
patchwork
patchworks
patchy
pate
pated
patella
patellae
patellar
patellas
paten
patencies
patency
patens
patent
patented
patentee
patentees
patenting
patently
patter
pattered
patterer
patterers
pattering
pattern
patterned
patterning
patterns
patters
pattie
patties
patting
patty
pattypan
pattypans
patulent
patulous
paty
paucities
paucity
naughty
pauldron
pauldrons
paulin
paulins
paunch
paunched
paunches
paunchier
paunchiest
paunchy
pauper
paupered
paupering
pauperism
pauperisms
pauperize
pauperized
pauperizes
pauperizing
paupers
pausal
pause
paused
pauser
pausers
pauses
peace
peaceable
peaceably
peaced
peaceful
peacefuller
peacefullest
peacefully
peacekeeper
peacekeepers
peacekeeping
peacekeepings
peacemaker
peacemakers
peaces
peacetime
peacetimes
peach
peached
peacher
peachers
peaches
peachier
peachiest
peaching
peachy
peacing
peacoat
peacoats
peacock
peacocked
peacockier
peacockiest
peacocking
peacocks
peacocky
peafowl
peafowls
peag
peage
peages
peags
peahen
peahens
peak
peaked
peakier
peakiest
peaking
peakish
peakless
peaklike
peaks
peaky
peal
pealed
pealike
pealing
peals
pean
peans
peanut
peanuts
pear
pearl
pearlash
pearlashes
pearled
pearler
pearlers
pearlier
pearliest
pearling
pearlite
pearlites
pears
peart
pearer
pearerter
pearerterest
pearerterly
peas
peasant
peasantries
peasantry
peasants
peascod
peascods
pease
peasecod
peasecods
peasen
peases
peat
teatier
peatiest
peats
peaty
peavey
peaveys
peavies
peavy
pebble
pebbled
pebbles
pebblier
pebbliest
pebbling
pebbly
pecan
pecans
pecable
peccadillo
peccadillos
peccadilloses
peccadilloses
peccancies
peccancy
peccant
peccaries
peccary
peccavi
peccavis
pech
pechan
pechans
peched
peching
pechs
peck
pecked
pecker
peckers
peckier
peckiest
pecking
pecks
pecky
pectase
pectases
pectate
pectates
pecten
pectens
pectic
pectin
pectines
pectins
pectize
pectized
pectizes
pectizing
pectoral
pectorals
peculatation
peculatations
peculate
peculated
peculates
peculating
peculia
peculiar
peculiarities
peculiarility
peculiararily
peculiars
peculum
pecuniary
ped
pedagog
pedagogic
pedagogical
pedagogies
pedagogs
pedagogue
pedagogues
pedagogy
pedal
pedaled
pedafer
pedalfer
pedalfers
pedalier
pedaliers
pedaling
pedalled
pedalling
pedals
pedant
pedantic
pedanties
pedantry
pedants
pedate
pedately
peddle
peddled
peddler
peddleries
peddlers
peddery
peddles
peddling
pederast
pederasts
pederasty
pedes
pedestal
pedestaled
pedestaling
pedestalled
pedestalling
pedestals
pedestrian
pedestrians
pediatric
pediatrician
pediatricians
pediatrics
pedicab
pedicabs
pedicel
pedicels
pedicle
pedicled
pedicles
pedicure
pedicured
pedicures
pedicuring
pediform
pedigree
pedigrees
pediment
pediments
pedipalp
pedipalps
pedlar
pedlaries
pedlars
pedlary
pedler
pedlers
pedocal
pedocals
pedologies
pedology
pedro
pedros
peds
peduncle
peduncles
pee
peebeen
peebeens
peed
peeing
peek
peekaboo
peekaboos
peeked
peeking
peeks
peel
peelable
peeled
peeler
peelers
peeling
peelings
peels
peen
peened
peening
peens
peep
peeped
peeper
peepers
peephole
peepholes
peeping
peeps
peepshow
peepshows
peepul
peepuls
peer
peerage
peerages
peered
peeress
peeresses
peerie
peeries
peering
peerless
peers
peery
pees
peesweep
peesweeps
peetweet
peetweets
peeve
peeved
peeves
peeving
peevish
peevishly
peevishness
peevishnesses
pee wee
pee wees
pee wit
pee wits
peg
pegboard
pegboards
peg box
peg boxes
pegged
pegging
peg less
peg like
p egs
peignoir
peignoirs
pein
peined
peining
peins
peise
peised
peises
peninsulas
penis
penises
penitence
penitences
penitent
penitential
penitentiaries
penitentiary
penitents
penknife
penknives
penlight
penlights
penlite
penlites
penman
penmanship
penmannships
penmen
penna
pennae
penname
pennames
pennant
pennants
pennate
pennated
penned
penner
penners
penni
pennia
pennies
penniless
pennine
pennines
penning
pennis
pennon
pennoned
pennons
pennsylvania
penny
penoche
penoches
penologies
penology
peregrins
peremptorily
peremptory
perennial
perennially
perennials
peres
perfect
perfecta
perfectas
perfected
perfecter
perfectest
perfectibilities
perfectibility
perfectible
perfecting
perfection
perfectionist
perfectionists
perfections
perfectly
perfectness
perfectnesses
perfecto
perfectos
perfects
perfidies
perfidious
perfidiously
perfidy
perforate
perforated
perforates
perforating
perforation
perforations
perforce
perform
performance
performances
performed
performer
performers
performing
performs
perfume
perfumed
perilously
perils
perilune
perilunes
perimeter
perimeters
perineal
perineum
period
periodic
periodical
periodically
periodicals
periodid
periodids
periods
periotic
peripatetic
peripeties
peripety
peripheral
peripheries
periphery
peripter
peripters
perique
periques
peris
perisarc
perisarcs
periscope
periscopes
perish
perishable
perishables
perished
perishes
perishing
periwig
periwigs
perjure
perjured
perjurer
perjurers
perjuries
perjuring
peroneal
peroral
perorate
perorated
perorates
perorating
peroxid
peroxide
peroxided
peroxides
peroxiding
peroxids
perpend
perpended
perpendicular
perpendicularities
perpendicularity
perpendicularly
perpendiculars
perpending
perpends
perpent
perpents
perpetrate
perpetrated
perpetrates
perpetrating
perpetration
perpetrations
perpetrautor
perpetrators
perpetual
perpetually
perpetuate
perpetuated
perpetuates
perpetuating
perpetuation
perpetuations
perpetuities
perpetuity
perplex
perplexed
perplexes
perplexing
perplexities
perplexity
perquisite
perquisites
perries
perron
perrons
perry
persalt
persalts
perse
persecute
persecuted
persecutes
persecuting
persecution
persecutions
persecutor
persecutors
perses
perseverance
perseverances
persevere
persevered
perseveres
persevering
persist
persisted
persistence
persistence
persistence
persistence
persistence
persistence
persistence
persistence
persistence
persistency
persistent
persistently
persisting
persists
person
persona
personable
personae
personage
personages
personal
personalities
personality
personalize
personalized
personalizes
personalizing
personally
personals
personas
personification
personifications
personifies
personify
personnel
persons
perspective
perspectives
perspicacious
perspicacities
perspicacity
perspiration
perspirations
perspire
perspired
perspires
perspiring
perspiry
persuade
persuaded
persuades
persuading
persuasion
persuasions
persuasive
persuasively
persuasiveness
persuasivenesses
pert
pertain
pertained
pertaining
pertains
perter
pertest
pertinacious
pertinacities
pertinacity
pertinence
pertinences
pertinent
pertly
pertness
pertnesses
perturb
perturbation
perturbations
perturbed
perturbing
perturbs
peruke
perukes
perusal
perusals
peruse
perused
peruser
perusers
peruses
perusing
pervade
pervaded
pervader
pervaders
pervades
pervading
pervasive
perverse
perversely
perverseness
perversennesses
perversion
perversions
perversities
perversity
pervert
perverted
perverting
perverts
pervious
pes
pesade
pesades
peseta
pesetas
pesewa
pesewas
peskier
peskiest
peskily
pesky
peso
pesos
pessaries
pessary
petioled
petioles
petit
petite
petites
petition
petitioned
petitioner
petitioners
petitioning
petitions
petrel
petrels
petri
petrifaction
petrifactions
petrified
petrifies
petrify
petrifying
petrol
petroleum
petroleums
petrolic
petrols
petronel
petronels
petrosal
petrous
pets
petted
pettedly
petter
petters
petti
petticoat
petticoats
p Pettier
pettiest
pettiefog
pettiefogged
pettiefogging
pettiefogs
pettily
pettiness
pettinesses
petting
pettish
phat
phatic
pheasant
pheasants
phellem
phellems
phelonia
phenazin
phenazins
phenetic
phenetol
phenetols
phenix
phenixes
phenol
phenolic
phenolics
phenols
phenom
phenomena
phenomenal
phenomenon
phenomenons
phenoms
phenyl
phenylic
phenyls
phew
phi
phial
phials
philabeg
philabegs
philadelphia
philander
philandered
philanderer
philanderers
philandering
philanders
philanthropic
philanthropies
philanthropist
philanthropists
philanthropy
philatelies
philatelists
philately
philharmonic
philibeg
philibegs
philistine
philistines
philodendron
philodendrons
philomel
philomels
philosopher
philosophers
philosophic
philosophical
philosophically
philosophies
philosphize
philosophized
philosphizes
philosophizing
philosophy
philter
philtered
philtering
philters
philtre
philtred
philtres
philtring
phimoses
phimosis
phimotic
phis
phiz
phizes
phlebitis
phlegm
phlegmatic
phlegmier
phlegniest
phlegms
phlegmy
phloem
phloems
phlox
phloxes
phobia
phobias
phobic
phocine
phoebe
phoebes
phoenix
phoenixes
phon
phonal
phonate
phonated
phonates
phonating
phone
phoned
phoneme
phonemes
phonemic
phones
phonetic
phonetician
phoneticians
phonetics
phoney
phoneys
phonics
phonier
phonies
phoniest
phonily
phoning
phono
phonograph
phonographally
phonographic
phonographs
phonon
phonons
phonos
phons
phony
phooey
phorate
phorates
phosgene
phosgenes
phospatase
phosphate
phosphates
phosphatic
phosphid
phosphids
phosphin
phosphins
phosphor
phosphorescence
phosphorescences
phosphorescent
phosphorescently
phosphoric
phosphorous
phosphors
phosphorus
phot
photic
photics
photo
photod
photoelectric
photoelectrically
photog
photogenic
photograph
photographally
photographed
photographer
photographers
photographic
photographies
photographing
photographs
photography
photogs
photoing
photomap
photomapped
photomapping
photomaps
photon
photonic
photons
photopia
photopias
photopic
photos
photoset
photosets
photosetting
photosynthesis
photosynthesises
photosynthesize
photosynthesized
photosynthesizes
photosynthesizing
photosynthetic
phots
phpht
phrasal
phrase
phrased
phraseologies
phraseology
phrases
phrasing
phrasings
phratral
phratric
phratries
phratry
phreatic
phrenic
phrensied
phrenses
phrensy
phrensyng
pht
phthalic
phthalin
phthalins
phthises
phthisic
phthisics
phthisis
phyla
phylae
phylar
phylaxis
phylaxisis
phyle
phyleses
phylesis
phylesises
phyletic
phylic
phyllaries
phylary
phyllite
phyllites
phylode
phyllodes
phylloid
phylloids
phyllobe
phylomes
phylon
phylum
physes
physic
physical
physically
physicals
physician
physicians
physicist
physicists
physicked
physicking
physics
physiognomies
physiognomy
physiologic
physiological
physiologies
physiologist
physiologists
physiology
physiotherapies
physiotherapy
physique
physiques
phasis
phytane
phytanes
phytin
phytins
phytoid
phyton
phytanic
phytons
pi
pia
piacular
piffles
piffling
pig
pigboat
pigboats
pigeon
pigeonhole
pigeonholed
pigeonholes
pigeonholing
pigeons
pigfish
pigfishes
pigged
piggeries
piggery
piggie
piggies
piggin
pigging
piggins
piggish
piggy
piggyback
pigheaded
piglet
piglets
pigment
pigmentation
pigmentations
pigmented
pigmenting
pigments
pigmies
pigmy
pignora
pignus
pignut
pignuts
pigpen
pigpens
pigs
pigskin
pigskins
pigsney
pigsneys
pigstick
pigsticked
pilewort
pileworts
pilfer
pilfered
pilferer
pilferers
pilfering
pilfers
pilgrim
pilgrimage
pilgrimages
pilgrims
pili
piliform
piling
pilings
pilis
pill
pillage
pillage
pillaged
piller
pillager
pillagers
pillages
pillaging
pillar
pillared
pillaring
pillars
pillbox
pillboxes
pilled
pilling
pillion
pillions
pilloried
pillories
pillory
pillorying
pillow
pillowcase
pillowcases
pillowed
pillowing
pillows
pillowy
pills
pilose
pilosities
pilosity
pilot
pilotage
pilotages
piloted
piloting
pilotings
pilotless
pilots
pilus
pilous
pilsener
pilseners
pilsner
pilsners
pilular
pilule
pilules
pilus
pily
pima
pimas
pimento
pimentos
pimiento
pimientos
pimp
pimped
pimping
pimple
pimpled
pimples
pimplier
pimpliest
pimply
pimps
pin
pina
pinafore
pinafores
pinang
pinangs
pinas
pinaster
pinasters
pinata
pinatas
pinball
pinballs
pinbone
pinbones
pincer
pincers
pinch
pinchbug
pinchbugs
pincheck
pinchecks
pinched
pincher
pinchers
pinches
pinchhitter
pinchhitters
pinching
pincushion
pincushions
pinder
pinders
pindling
pine
pineal
pineapple
pineapples
pinecone
pinecones
pined
pinelike
pinene
pinenes
pineries
pinery
pines
pinesap
pinesaps
pineta
pinetum
pinewood
pinewoods
piney
pinfeather
pinfeathers
pinfish
pinfishes
pinfold
pinfolded
pinfolding
pinnaces
pinnacle
pinnacled
pinnacles
pinnacling
pinnae
pinnal
pinnas
pinnate
pinnated
pinned
pinner
pinners
pinning
pinniped
pinnipeds
pinnula
pinnulae
pinnular
pinnule
pinnules
pinochle
pinochles
pinocle
pinocles
pinole
pinoles
pinon
pinones
pinons
pinpoint
pinpointed
pinpointing
pinpoints
pinprick
pinpricked
pinpricking
pinpricks
pins
pinscher
pinschers
pint
pinta
pintada
pintadas
pintado
pintadoes
pintados
pishes
pishing
pisiform
pisiforms
pismire
pismires
pismo
pisilite
pisolites
piss
pissant
pissants
pissed
pisses
pissing
pissoir
pissoirs
pistache
pistaches
pistachio
pistil
pistillate
pistils
pistol
pistolet
pistoled
pistoles
pistoling
pistolled
pistolling
pistols
piston
pistons
pit
pita
pitapat
pitapats
pitapatted
pitapatting
pitas
pitch
pitchblende
pitchblendes
pitched
pitcher
pitchers
pitches
pitchfork
pitchforks
pitchier
pitchiest
pitchily
pitching
pitchman
pitchmen
pitchout
pitchouts
pitchy
piteous
piteously
pitfall
pitfalls
pith
pithead
pitheads
pithed
pithier
pithiest
pithily
pithing
pithless
piths
pithy
pitable
pitably
pitied
pitioner
pitiers
pities
pitiful
pitifuler
pitifullest
pitifully
pitiless
pitilessly
pitman
pitmans
pitmen
piton
pitons
pits
pitsaw
pitsaws
pittance
pittance
pittances
pitted
placemen
placement
placements
placenta
placentae
placental
placentas
placer
placers
places
placet
placet
placid
placidly
placing
plack
placket
plackets
placks
placoid
placoids
plafond
plafonds
plagal
plage
plages
plagiaries
plagiarism
plagiarisms
plagiarist
plagiarists
plagiarize
plagiarized
plagiarizes
plagiarizing
plagiary
plague
plagued
plagueur
plaguers
plagues
plaguey
plaguily
plaguing
plaguy
plaire
plaice
plaices
plaid
planets
planform
planforms
plangent
planing
planish
planished
planishes
planishing
plank
planked
planking
plankings
planks
plankter
plankters
plankton
planktonic
planktons
planless
planned
planner
planners
planning
plannings
planosol
planosols
plans
plant
plantain
plantains
plantar
plantation
plantations
planted
planter
planters
planting
plantings
plants
planula
planulae
planular
plaque
plaques
splash
plashed
plasher
plateaux
plated
plateful
platefuls
platelet
platelets
platen
platens
pler
plers
plates
platesful
platform
platforms
platier
platies
platiest
platina
platinas
plating
platings
platinic
platinum
platinums
platitude
platiudes
platitudeous
platonic
platoon
platooned
platooning
platoons
plats
platted
platter
platters
platting
platy
platypi
platypus
platypuses
platys
plaudit
plaudits
plausibilities
plausibility
plausible
plausibly
plausible
play
playa
playable
playact
playacted
playacting
playactings
playacts
playas
playback
playbacks
playbill
playbills
playbook
playbooks
playboy
playboys
playday
playdays
playdown
playdowns
played
player
players
playful
playfully
playfulness
playfulnesses
playgirl
playgirls
playgoer
playgoers
playground
playgrounds
playhouse
playhouses
playing
playland
playlands
playless
playlet
playlets
playlike
playmate
playmates
playoff
playoffs
pleasures
pleasing
pleat
pleated
pleater
pleaters
pleating
pleats
pleb
plebe
plebeian
plebeians
plebes
plebiscite
plebiscites
plebs
plectra
plectron
plectrons
plectrum
plectrums
pled
pledge
pledged
pledgee
pledgees
pledgeor
pledgeors
pledger
pledgers
pledges
pledget
pledgets
pledging
pledgor
pledgors
pleiad
pleiades
pleiads
plena
plenary
plenipotentiaries
plenipotentiary
plenish
plenished
plenishes
plenishing
plenism
plenisms
plenist
plenists
plentitude
plentitudes
plenteous
plenties
plentiful
plentifully
plenty
plenum
plenums
pleonasm
pleonasms
pleopod
pleopods
plessor
plessors
plethora
plethoras
pleura
pleurae
pleural
pleuras
pleurisies
pleurisy
pleuron
pleuston
pleustons
plexor
plexors
plexus
plexuses
pliable
pliably
piances
piancy
pliant
pliantly
plica
plicae
plical
PLICATE
plicated
plie
plied
plier
pliers
plies
plight
plighted
plighter
plighters
plighting
plights
plimsol
plimssole
plimssoles
plimsoll
plimsolls
plimsols
plink
plinked
plinker
plinkers
plinking
plinks
plinth
plinths
pliskie
pliskies
plisky
plissee
plisses
plod
plodded
plodder
plodders
plodding
ploddingly
plods
ploidies
ploidy
plonk
plonked
plonking
plonks
plop
plopped
plopping
plops
plosion
plosions
plosive
plosives
plot
pluckiest
pluckily
plucking
plucks
plucky
plug
plugged
plugger
pluggers
plugging
plugless
plugs
pluguglies
plugugly
plum
plumage
plumaged
plumages
plumate
plumb
plumbago
plumbagos
plumbed
plumber
plumberies
plumbers
plumbery
plumbic
plumbing
plumbings
plumbism
plumbisms
plumbous
plumbs
plumbum
plumbums
plume
plumed
plumelet
plumelets
plumes
plumier
plumiest
pluming
plumiped
plumipeds
plumlike
plummet
plummeted
plummetering
plummets
plummier
plummiest
plummy
plumose
plum
plumped
plumpen
plumpened
plumpening
plumpens
plumper
plumpers
plumpest
plumping
plumpish
plumpy
plumpness
plumpnesses
plumps
plums
plumular
plumule
plumules
plummy
plunder
plundered
plundering
plunders
plunge
plunged
plunger
plungers
plunges
plunging
plunk
plunked
plunker
plunkers
plunking
plunks
plural
pluralism
pluralities
plurality
pluralization
pluralizations
pluralize
pluralized
pluralizes
pluralizing
plurally
plurals
plus
pluses
plush
plusher
plushes
plushest
plushier
plushiest
plushily
plushly
plushy
plussage
plussages
plusses
plutocracies
plutocracy
plutocrat
plutocratic
plutocrats
pluton
plutonic
plutonium
plutoniums
plutons
pluvial
pluvials
pluviose
pluvious
ply
plyer
plyers
plying
plyingly
plywood
plywoods
pneuma
pneumas
pneumatic
pneumatically
pneumonia
poaceous
podgiest
podgily
podgy
podia
podiatries
podiatrist
podiatry
podite
podites
poditic
podium
podiums
podomere
podomeres
pods
podsol
podsolic
podsols
podzol
podzolic
podzols
poechore
poechores
poem
poems
poesies
poesy
poet
poetess
poetesses
poetic
poetical
poetics
poetise
poetised
poetiser
poetisers
poetises
poetising
poetize
poetized
poetizer
poetizers
poetizes
poetizing
poetless
poetlike
poetries
poetry
poets
pogey
pogeys
pogies
pogonia
pogonias
pogonip
pogonips
pogrom
pogromed
pogroming
pogroms
pogy
poh
poi
pognancies
pognancy
poignant
poilu
poilus
poind
poinded
poinding
poinds
poinsettia
point
pointe
pointed
pointer
pointers
pointes
pointier
pointiest
pointing
pointless
pointman
pointmen
points
pointy
pois
poise
poised
poiser
poisers
poises
poising
poison
poisoned
poisoner
poisoners
poisoning
poisonous
poisons
poitrel
poitrels
poke
poked
poker
pokeroot
pokeroots
pokers
pokes
pokeweed
pokeweeds
pokey
pokeys
pokier
pokies
pokiest
pokily
pokiness
pokinesses
poking
poky
pol
polar
polarise
polarised
polarises
polarising
polarities
polarity
polarization
polarizations
polarize
polarized
polarizes
polarizing
polaron
polarons
polars
polder
polders
pole
poleax
polished
polisher
polishers
polishes
polishing
polite
politely
politeness
politenesses
politer
politest
political
politician
politicians
politick
politicked
politicking
politics
polities
polity
polka
polkaed
polkaing
polkas
poll
pollack
pollacks
pollard
pollarded
pollarding
pollards
polled
pollee
pollees
pollen
pollened
pollening
pollens
poller
pollers
pollex
pollical
pollices
polyenic
polyester
polyesters
polygala
polygalas
polygamies
polygamist
polygamists
polygamous
polygamy
polygene
polygenes
polyglot
polyglots
polygon
polygonies
polygons
polygony
polygynies
polygyny
polymath
polymaths
polymer
polymers
polynya
polynyas
polyp
polyparies
polypary
polypi
polypide
polypides
polypnea
polypneas
polypod
polypodies
polypods
polypody
polypoid
polypore
polypores
polypous
polyps
polypus
polypuses
polys
polysemies
polysemy
pompanos
pompom
pompoms
pompon
pompoms
pomposities
pomposity
pompous
pompously
pomps
ponce
ponces
poncho
ponchos
pond
ponder
pondered
ponderer
ponderers
pondering
ponderous
ponders
ponds
pondville
pondweed
pondweeds
pone
ponent
pones
pongee
pongées
pongid
pongids
poniard
poniarded
poniarding
poniards
ponied
ponies
pons
pontes
pontifex
pontiff
pontiffs
pontific
pontifical
pontificate
pontificated
pontificates
pontificating
pontifrices
pontil
pontils
pontine
ponton
pontons
pontoon
pontoons
pony
ponying
ponytail
ponytails
pooch
pooches
pood
poodle
poodles
poods
pooh
poohed
poohing
poohs
pool
pooled
poolhall
poolhalls
pooling
poolroom
poolrooms
pools
poon
poons
poop
pooped
pooping
poops
poor
poorer
poorest
poori
pooris
poorish
poorly
poorness
poornesses
poortith
popularized
popularizes
popularizing
popularly
populate
populated
populates
populating
population
populations
populism
populisms
populist
populists
populous
populousness
populousnesses
porcelain
porcelains
porch
porches
porcine
porcupine
porcupines
pore
pored
pores
porgies
porgy
poring
porism
porisms
pork
porker
porkers
porkier
porkies
porkiest
porkpie
porkpies
porks
porkwood
porkwoods
porky
porn
porno
pornographic
pornography
porticoes
porticos
portiere
portieres
porting
portion
portioned
portioning
portions
portless
portlier
portliest
portly
portrait
portraitist
portraitists
portraits
portraiture
portraitures
portray
portrayal
portrayals
portrayed
portraying
portrays
portress
portresses
ports
posada
posadas
pose
posed
poser
posers
poses
poseur
poseurs
posh
posher
poshest
posies
posing
posingly
posit
positing
position
positioned
postanal
postattack
postbaccalaureate
postbag
postbags
postbiblical
postbox
postboxes
postboy
postboys
postcard
postcards
postcava
postcavae
postcollege
postcolonial
postdate
postdated
postdates
postdating
posted
posteen
posteens
postelection
poster
posterior
posteriors
posterities
posterity
postern
posterns
posters
postexercise
postface
postfaces
postfertilization
postfertilizations
postfix
postfixed
postfixes
postfixing
postflight
postform
postformed
postforming
postforms
postgraduate
postgraduates
postgraduation
postharvest
posthaste
posthole
postholes
posthospital
posthumous
postiche
postiches
postimperial
postin
postinaugural
postindustrial
posting
postings
postinjection
postinoculation
postins
postique
postiques
postlude
postludes
postman
postmarital
postmark
postmarked
postmarking
postmarks
postmaster
postmasters
postmen
postmenopausal
postmortem
postmortems
postnatal
postnuptial
postoperative
postoral
postpaid
postpartum
postpone
postponed
postponement
postponements
postpones
postponing
postproduction
postpubertal
postpuberty
postradiation
postrecession
postretirement
postrevolutionary
posts
postscript
postscripts
postseason
postsecondary
postsurgical
posttreatment
posttrial
postulant
postulants
postulate
postulated
postulates
postulating
postural
posture
postured
posturer
posturers
postures
posturing
postvaccination
postwar
posy
pot
potable
potables
potage
potages
potamic
potash
potashes
potassic
potassium
potassiums
potation
potations
potato
potatoes
potatory
potbellied
potbellies
potbelly
potboil
potboiled
potboiling
potboils
potboy
potboys
poteen
poteens
potence
potences
potencies
potency
potent
potentate
potentates
potential
potentialities
potentiality
potentially
potentials
potently
potful
potfuls
pothead
potheads
potheen
potheens
pother
potherb
potherbs
pothered
pothering
pothers
pothole
potholed
potholes
pothook
pothooks
pothouse
pothouses
potiche
potiches
potion
potions
potlach
potlache
potlaces
potlatch
potlatched
potlatches
potlatching
potlike
potluck
potlucks
potman
potmen
potpie
potpies
potpourri
potpourris
pots
potshard
potshards
potsherd
potsherds
potshot
potshots
potshooting
potsie
potsies
potstone
potstones
potsy
pottage
pottages
potted
potteen
potteens
potter
pottered
potterer
potterers
potteries
pottering
potters
pottery
pottier
potties
pottiest
potting
pottle
pottles
potto
pottos
potty
pouch
pouched
pouches
pouchier
pouchiest
pouching
pouchy
pouf
poufed
pouff
pouffe
pouffed
pouffes
pouffs
poufs
poulard
poularde
poulardes
poulards
poul
poul
tice
poul
ticed
poul
tices
poul
ticing
poul
tries
poultry
pou
ts
pounce
pounced
poun
cer
poun
cers
poun
ces
poun
cing
pound
poundage
poundages
poundal
poundals
pounded
pounder
pounders
pounding
pounds
pour
pourable
poured
pouri
er
pourers
pouring
preallot
preallots
preallotted
preallotting
preamble
preambles
preamp
preamps
preanal
preanesthetic
preanesthetics
prearm
prearmed
prearming
prearms
prearrangement
prearrange
prearranged
prearrangement
prearrangements
prearranges
prearranging
preassemble
preassembled
preassembles
preassembling
preassign
preassigned
preassigning
preassigns
preauthorize
preauthorized
preauthorizes
preauthorizing
preaver
preaverred
preaverring
preavers
preaxial
prebasal
prebattle
prebend
prebends
prebiblical
prebill
prebilled
prebilling
prebills
prebind
prebinding
prebinds
prebless
preblessed
preblesses
preblessing
preboil
preboiled
preboiling
preboils
prebound
prebreakfast
precalculate
precalculated
precalculates
precalculating
precalculus
precalculuses
precampaign
precancel
precanceled
precanceling
precancellation
precancellations
precancels
precarious
precariously
precariousness
precariousnesses
precast
precasting
precasts
precaution
precautionary
precautions
precava
precavae
precaval
precede
preceded
precedence
precedences
precedent
precedents
precedes
preceding
precent
precented
precenting
precents
precept
preceptor
preceptors
precepts
precess
precessed
precesses
precessing
precheck
prechecked
prechecking
prechecks
prechill
prechilled
prechilling
prechills
precieux
precinct
precincts
precious
preciouses
precipe
precipes
precipice
precipices
precipitate
precipitated
precipitately
precipitateness
precipitatenesses
precipitates
precipitating
precipitation
precipitations
precipitous
precipitously
precis
precise
precised
precisely
preciseness
precisenesses
preciser
precises
precisest
precising
precision
precisions
precited
precivilization
preclean
precleaned
precleaning
precleans
precleanance
precleanances
preclude
precluded
precludes
precluding
precocious
precocities
precocity
precollege
precolonial
precombustion
precompute
precomputed
precomputes
precomputing
preconceive
preconceived
preconceives
preconceiving
preconceives
preconception
preconceptions
preconcerted
precondition
preconditions
preconference
preconstruct
preconvention
precook
precooked
precooking
precooks
precool
precooled
precooling
precools
precure
precured
precures
precuring
precursor
precursors
predate
predated
predates
predating
predator
predators
predatory
predawn
predawns
predecessor
predecessors
predefine
predefined
predefines
predefining
predelinquent
predeparture
predesignate
predesignated
predesignates
predesignating
predesignation
predesignations
predestine
predestined
predestines
predestining
predetermine
predetermined
predetermines
predetermining
predial
predicament
predicaments
predicate
predicated
predicates
predicating
predication
predications
predict
predictable
predictably
predicted
predicting
preen
preenact
preenacted
preenacting
preenacts
preened
preener
preeners
preening
preens
prees
preestablish
preestablished
preestablishes
preestablishing
preexist
preexisted
preexistence
preexistences
preexistent
preexisting
preexists
prefab
prefabbed
prefabbing
prefabricated
prefabrication
prefabrications
prefabs
preface
prefaced
prefacer
prefacers
prefaces
prefacing
prefect
prefects
prefecture
prefectures
prefer
preferable
preferably
preference
preferences
preferential
preferment
preferments
preferred
premedic
premedics
premeditate
premeditated
premeditates
premeditating
premeditation
premeditations
premeds
premen
premenopausal
premenstrual
premie
premier
premiere
premiered
premieres
premiering
premiers
premiership
premierships
premies
premise
premised
premises
premising
premiss
premisses
premium
premiums
premix
premixed
premixes
premixing
premodern
premodified
premodifies
premodify
premodifying
premoisten
premoistened
premoistening
premoistens
premolar
premolars
premonition
premonitions
premonitory
preparer
preparers
prepares
preparing
prepay
prepaying
prepays
prepense
preplace
preplaced
preplaces
preplacing
preplan
preplanned
preplanning
preplans
preplant
preponderance
preponderances
preponderant
preponderantly
preponderate
preponderated
preponderates
preponderating
preposition
prepositional
prepositions
prepossessing
preposterous
prepped
preppie
preppies
prepping
preprint
preprinted
preprinting
preprints
preprocess
preprocessed
preprocesses
preprocessing
preproduction
preprofessional
preprogram
preps
prepubertal
prepublication
prepuce
prepuces
prepunch
prepunched
prepunches
prepunching
prepurchase
prepurchased
prepurchases
prepurchasing
prerecord
prerecorded
prerecording
prerecords
preregister
preregistered
preregistering
preregisters
preregistration
preregistrations
prerehearsal
prerelease
prerenal
prerequisite
prerequisites
preretirement
prerevolutionary
prerogative
prerogatives
presa
presage
presaged
presager
presagers
presages
presaging
presbyter
presbyters
prescience
presciences
prescient
prescind
prescinded
prescinding
prescinds
prescore
prescored
prescores
preshowed
preshowing
preshown
preshows
preshrink
preshrinked
preshrinking
preshrinks
preside
presided
presidencies
presidency
president
presidential
presidents
presider
presiders
presides
presidia
presiding
presidio
presidios
presift
presifted
presifting
presifts
presoak
presoaked
presoaking
presoaks
presold
press
pressed
presser
pressers
presses
pressing
pressman
pressmen
pressor
pressrun
pressruns
pressure
pressured
pressures
pressuring
pressurization
pressurizations
pressurize
pressurized
pressurizes
pressurizing
prest
prestamp
prestamped
prestamping
prestamps
prester
presterilize
presterilized
presterilizes
presterilizing
presters
prestidigitation
prestidigitations
prestige
prestiges
prestigious
presto
prestos
prestrike
prests
presumable
presumably
resume
presumed
presumer
presumers
presumes
presuming
presumption
presumptions
presumptive
presumptuous
presuppose
presupposed
presupposes
presupposing
presupposition
presuppositions
presurgical
presweeten
presweetened
presweetening
presweetens
pretaste
prevised
previses
prevising
previsor
previsors
prevue
prevued
prevues
prevuing
prewar
prewarm
prewarmed
prewarming
prewarms
prewarn
prewarned
prewarning
prewarns
prewash
prewashed
prewashes
prewashing
prewrap
prewrapped
prewrapping
prewraps
prex
prexes
prexies
prexy
prey
preyed
preyer
preyers
preying
preys
priapean
priapi
priapic
priapism
priapisms
priapus
priapus
price
priced
priceless
pricer
pricers
priests
prig
prigged
priggeries
priggery
prigging
priggish
priggishly
priggism
priggisms
prigs
prill
prilled
prilling
prills
prim
prima
primacies
primacy
primage
primages
primal
primaries
primarily
primary
primas
primatal
primate
primates
prime
primed
primely
primer
primero
primeros
primers
primes
primeval
primi
primine
primines
priming
primings
primitive
primitively
primitiveness
primitivenesses
primitives
profitless
profits
profligacies
profligacy
profligate
profligately
profligates
profund
profounder
profoundest
profoundly
profounds
profs
profundities
profundity
profuse
profusely
profusion
profusions
prog
progencies
progenitor
progenitors
progeny
progged
progger
proggers
progging
prognose
prognosed
prognoses
prognosing
prognosis
prognosticate
prognosticated
prognosticates
prognosticating
prognostication
prognostications
prognosticator
prognosticators
prograde
program
programed
programing
programmabilities
programmability
programmable
prolate
prole
proleg
prolegs
proles
proletarian
proletariat
proliferate
proliferated
proliferates
proliferating
proliferation
prolific
prolically
proline
prolines
prolix
prolixly
prolog
prologed
prologed
prologing
prologs
prologue
prologued
prologues
prologuing
prolong
prolongation
prolongations
prolonge
prolonged
prolonges
prolonging
prolongs
prom
promenade
promenaded
promenades
promenading
prominence
prominences
prominent
prominently
promiscuities
promiscuity
promiscuous
promiscuously
promiscuousness
promiscuousnesses
promise
promised
promisee
promisees
promiser
promisers
promises
promising
promisingly
promisor
promisors
promissory
promontories
promontory
promote
promoted
promoter
promoters
promotes
promoting
promotion
promotional
promotions
prompt
prompted
prompter
prompters
promptest
prompting
promptly
promptness
prompts
proms
promulge
promulgated
promulgates
promulgating
pronate
pronated
pronates
pronating
pronator
pronatores
pronators
prone
pronely
proneness
pronenesses
prong
pronged
pronging
prongs
pronota
pronotum
pronom
pronounce
pronounceable
pronounced
pronouncement
pronouncements
pronounces
pronouncing
pronouns
pronto
pronunciation
pronunciations
proof
proofed
proofer
proofers
proofing
proofread
proofreaded
proofreader
proofreaders
proofreading
proofreads
proofs
prop
propaganda
propagandas
propagandist
propagandists
propagandize
propagandized
propagandizes
propagandizing
propagate
propagated
propagates
propagating
propagation
propagations
propane
propanes
propel
propellant
propellants
propelled
propellent
propellents
propeller
propellers
propelling
propels
propend
propended
propending
propends
propene
propenes
propenol
propenols
propense
propensities
propensity
propenyl
proper
properer
properest
properly
propers
properties
property
prophage
prophages
prophase
phases
prophecies
prophecy
prophesied
prophesier
prophesiers
prophesies
prophesy
prophesying
prophet
prophetess
prophetesses
prophetic
prophetically
prophets
prophylactic
prophylactics
prophylaxis
propine
propined
propines
propining
propinquities
propinquity
propitiate
propitiated
propitiates
propitiating
propitiation
propitiations
propitiatory
propitious
propjet
propjets
propman
propmen
propolis
propolises
propone
proponed
proponent
proponents
propones
proponing
proportion
proportional
proportionally
proportionate
proportionately
proportions
proposal
proposals
propose
proposed
proposer
proposers
proposes
proposing
proposition
propositions
propound
propounded
propounding
prudent
prudential
prudently
pruderies
prudery
prudes
prudish
pruinoose
prunable
prune
pruned
prunella
prunellas
prunelle
prunelles
prunello
prunellos
pruner
pruners
prunes
pruning
prurient
prurigo
prurigos
pruritic
pruritus
prurituses
prussic
pruta
prutah
prutoth
pry
pryer
pryers
prying
pryingly
prythee
psalm
psalmmed
psalmic
psalming
psalmist
psalmists
psalmodies
psalmody
psalms
psalter
ptyalins
ptyalism
ptyalisms
pub
puberal
pubertal
puberties
puberty
pubes
pubic
pubis
public
publican
publicans
publication
publications
publicist
publicists
publicities
publicity
publicize
publicized
publicizes
publicizing
publicly
publics
publish
published
publisher
publishers
publishes
publishing
pubs
puccoon
puccoons
puce
puces
puck
pucka
pucker
puckerer
puckerers
puckerier
puckeriest
puckering
puckers
puckery
puckish
pucks
pud
pudding
puddings
puddle
puddled
puddler
puddlers
puddles
puddlier
puddliest
puddling
puddlings
puddly
puendencies
puendency
puenda
puendal
puendum
pudgier
pudgiest
pudgily
pudgy
pudic
puds
pueblo
pueblos
puerile
puerilities
puerility
puff
puffball
puffballs
puffed
puffer
pufferies
puffers
puffery
puffier
puffiest
puffily
puffin
puffing
puffins
puffs
puffy
pug
pugaree
pugarees
puggaree
puggarees
pugged
puggier
puggiest
puggling
puggish
puggree
puggrees
puggries
puggry
puggy
pugh
pugilism
pugilisms
pugilist
pugilistic
pugilists
pugmark
pugmarks
pugnacious
pugree
pugrees
pugs
puisne
puisnes
puissant
puke
puked
pukes
puking
pukka
pul
pulchritude
pulchritudes
pulchritudinous
pule
puled
puler
pulers
pules
puli
pulicene
pulicide
pulicides
pulik
purveyors
purveys
purview
purviews
pus
puses
push
pushball
pushballs
pushcart
pushcarts
pushdown
pushdowns
pushed
pusher
pushers
pushes
pushful
pushier
pushiest
pushily
pushing
pushover
pushovers
pushpin
pushpins
pushup
pushups
pushy
pusillanimous
pusley
pusleys
puslike
puss
pusses
pussier
pussies
pussiest
pussley
pussleys
pusslies
pusslike
pussly
pussy
pussycat
pussycats
pustular
pustule
pustuled
pustules
put
putamen
putamina
putative
putlog
putlogs
putoff
putoffs
puton
putons
putout
putouts
putrefaction
putrefactions
putrefactive
putrefied
putrefies
putrefy
putrefying
putrid
putridly
puts
putsch
putsches
put
putted
puttee
puttees
puter
putered
puterer
puterers
puterering
puterers
putters
puttiest
puttier
puttiest
puttiest
puttiest
putting
putts
putty
puttying
puzzle
puzzled
puzzlement
puzzlements
pyosis
pyralid
pyralids
pyramid
pyramidal
pyramided
pyramiding
pyramids
pyran
pyranoid
pyranose
pyranoses
pyrans
pyre
pyrene
pyrenes
pyrenoid
pyrenoids
pyres
pyretic
pyrexia
pyrexial
pyrexias
pyrectic
pyric
pyridic
pyridine
pyridines
pyriform
pyrite
pyrites
pyritic
pyritous
pyrogen
pyrogens
pyrola
pyrolas
pyrologies
pyrology
pyrolyze
pyrolyzed
pyrolyzes
pyrolyzing
pyromania
pyromaniac
pyromaniacs
pyromanias
pyrone
quaffed
quaffer
quaffers
quaffing
quaffs
quag
quagga
quaggas
quaggier
quaggiest
quaggy
quagmire
quagmires
quagmirier
quagmiriest
quagmiry
quags
quahaug
quahaugs
quahog
quahogs
quai
quaih
quaich
quaiches
quaichs
quaigh
quaighs
quail
quailed
quailing
quails
quaint
quainter
quaintest
quaintly
quaintness
quaintnnesses
quais
quake
quaked
quaker
quakers
quakes
quakier
quakiest
quakily
quaking
quaky
quarts
quartz
quartzes
quasar
quasars
quash
quashed
quashes
quashing
quasi
quass
quasses
quassia
quassias
quassin
quassins
quate
quatorze
quatorzes
quatrain
quatrains
quatre
quatres
quaver
quavered
quaverer
quaverers
quavering
quavers
quavery
quay
quayage
quayages
quaylike
quays
quayside
quaysides
quean
queans
queasier
queasiest
queasily
queasiness
queasinesses
queasy
queazier
queaziest
queazy
queen
queened
queening
queenlier
queenliest
queenly
queens
queer
queered
queerer
queerest
queering
queerish
queerly
queerness
queernesses
queers
quell
quelled
queller
quellers
quelling
quells
quench
quenchable
quenched
quencher
quenchers
quenches
quenching
quenchless
quenelle
quenelles
quercine
querida
queridas
queried
querier
queriers
queries
querist
querists
quern
querns
querulous
querulously
querulousness
querulousnesses
quicken
quicker
quickest
quickie
quickies
quickly
quickness
quicknesses
quicks
quicksand
quicksands
quickset
quicksets
quicksilver
quicksilvers
quid
quiddities
quiddity
quidnunc
quidnuncs
quids
quiescence
quiescences
quiescent
quiet
quieted
quieten
quietened
quietening
quietens
quieter
quieters
quietest
quieting
quietism
quietisms
quietist
quietists
quietly
quietness
quietnesses
quiets
quietude
quietudes
quietus
quietuses
quiff
quiffs
quirky
quirt
quirted
quirting
quirts
quisling
quislings
quit
quitch
quitches
quite
quitrent
quitrents
quits
quitted
quitter
quitters
quitting
quittor
quittors
quiver
quivered
quiverer
quiverers
quivering
quivers
quivery
quixote
quixotes
quixotic
quixotries
quixotry
quiz
quizmaster
quizmasters
quizzed
quizzer
quizzers
quizzes
quizzing
quod
quods
quoin
quoined
quoining
quoins
quoit
quoited
rabbitry
rabbits
rabble
rabble
rabbler
rabblers
rabbles
rabbling
rabboni
rabbonis
rabic
rabid
rabidities
rabidity
rabidly
rabies
rabietic
raccoon
raccoons
race
racecourse
racecourses
raced
racehorse
racehorses
racemate
racemates
raceme
racemed
racemes
racemic
racemism
racemisms
racemize
racemized
racemizes
racemizing
racemoid
racemose
racemous
racer
racers
races
racetrack
racetracks
raceway
raceways
rachet
rachets
rachial
rachides
rachis
rachises
rachitic
rachitides
rachitis
racial
racially
racier
raciest
racily
raciness
racinesses
racing
racing
racism
racisms
racist
racists
rack
racked
racker
rackers
racket
racketed
racketeer
racketeering
racketeerings
racketeers
racketier
racketiest
racketing
rackets
rackety
racking
rackle
racks
rackwork
rackworks
raclette
raclettes
racon
racons
raconteur
raconteurs
racoon
racoons
racquet
racquets
racy
rad
radar
radars
radded
radding
raddle
raddled
raddles
raddling
radiable
radial
radiale
radialia
radially
radials
radian
radiance
radiances
radiancies
radiancy
radians
radiant
radiantly
radiants
radiate
radiated
radiates
radiating
radiation
radiations
radiator
radiators
radical
radicalism
radicalisms
radically
radicals
radicand
radicands
radicate
radicated
radicates
radicating
radicel
raffler
rafflers
raffles
raffling
raffs
raft
rafted
rafter
rafters
rafting
rafts
raftsman
raftsmen
rag
raga
ragamuffin
ragamuffins
ragas
ragbag
ragbags
rage
raged
ragee
ragees
rages
ragged
raggeder
raggedest
raggedly
raggedness
raggednesses
raggedy
raggies
ragging
raggle
raggles
raggy
ragi
raging
ragingly
ragis
raglan
raglans
ragman
ragmen
ragout
ragouted
ragouting
ragouts
rags
ragtag
ragtags
ragtime
ragtimes
ragweed
ragweeds
ragwort
ragworts
rah
raia
raias
raid
raided
raider
raiders
raiding
raids
rail
railbird
railbirds
railed
railer
railers
railhead
railheads
railing
railings
raileries
railery
railroad
railroadded
railroader
railroaders
railroading
railroadings
railroads
rails
railway
railways
raiment
raiments
rain
rainband
rainbands
rainbird
rainbirds
rainbow
rainbows
raincoat
raincoats
raindrop
raindrops
rained
rainfall
rainfalls
rainier
rainiest
rainily
raining
rainless
rainmaker
rainmakers
rainmaking
rainmakings
rainout
rainouts
rains
rainstorm
rainstorms
rainwash
rainwashes
rainwater
rainwaters
rainwear
rainwears
rainy
raisable
raise
raised
raiser
raisers
raises
raisin
raising
raisings
raisins
raisiny
raisonne
raj
raja
rajah
rajahs
rajas
rajes
ramparts
ramped
rampike
rampikes
ramping
rampion
rampions
rampole
rampoles
ramps
ramrod
ramrods
rams
ramshackle
ramshorn
ramshorns
ramson
ramsons
ramtil
ramtils
ramulose
ramulous
ramus
ran
rance
rances
ranch
ranched
rancher
ranchero
rancheros
ranchers
ranches
ranching
ranchland
ranchlands
ranchman
ranchmen
rancho
ranchos
rancid
rancidities
rancidity
rancidness
rancidnesses
rancor
rancored
rancorous
rankled
rankles
rankling
rankly
rankness
ranknoses
ranks
ranpike
ranpikes
ransack
ransacked
ransacking
ransacks
ransom
ransomed
ransomer
ransomers
ransoming
ransoms
rant
ranted
ranter
ranters
ranting
rantingly
rants
ranula
ranulas
rap
rapacious
rapaciously
rapaciousness
rapaciousnesses
rapacities
rapacity
rape
raped
raper
rapers
rapes
rapeseed
rapeseeds
raphae
raphe
raphes
raphia
raphias
raphide
rarefaction
rarefactions
rarefied
rarefier
rarefiers
rarefies
rarefy
rarefying
rarely
rareness
rarenesses
rarer
rareripe
rareripes
rarest
rarified
rarifies
rarify
rarifying
raring
rarities
rarity
ras
rasbora
rasboras
rascal
rascalities
rascality
rascally
rascals
rase
rased
raser
rasers
rases
rash
rasher
rashers
rashes
rashest
rashlike
rashly
rashness
rashnesses
rasing
rasorial
rasp
raspberries
rattraps
ratty
raucities
raucity
raucous
raucously
raucousness
raucousnesses
raunchier
raunchiest
raunchy
ravage
ravaged
ravager
ravagers
ravages
ravaging
rave
raved
ravel
raveled
raveler
ravelers
ravelin
raveling
ravelings
ravelings
ravelled
raveller
ravellers
ravelling
ravellings
ravelly
ravels
raven
ravened
ravener
raveners
ravening
ravenings
ravenous
ravenously
ravenousness
ravenousnesses
ravens
raver
ravers
raves
rayon
rayons
rays
raze
razed
razee
razeed
razeeing
razees
raker
razers
razes
razing
razor
razored
razoring
razors
razz
razzed
razzes
razzing
re
reabsorb
reabsorbed
reabsorbing
reabsorbs
reabstract
reabstracted
reabstracting
reabstracts
reaccede
reacceded
reaccedes
reacceding
reaccelerate
reaccelerated
reaccelerates
reaccelerating
reaccent
reaccented
reaccenting
reaccents
reaccept
reaccepted
reaccepting
reaccepts
reacclimatize
reacclimatized
reactclimatizes
reactclimatizing
reaccredit
reaccredited
reaccrediting
reacredits
reaccumulate
reaccumulated
reaccumulates
reaccumulating
reaccuse
reaccused
reaccuses
reaccusing
reach
reachable
reached
reacher
reachers
reaches
reachieve
reached
reaches
reachieving
reaching
reacquaint
reacquainted
reacquainting
reacquaints
reacquire
reacquired
reacquires
reacquiring
react
reactant
reactants
reacted
reacting
reaction
reactionaries
reactionary
reactions
reactivate
reactivated
reactivates
reactivating
reactivation
reactivations
reanesthetized
reanesthetizes
reanesthetizing
reannex
reannexed
reannexes
reannexing
reanoint
reanointed
reanointing
reanoints
reap
reapable
reaped
reaper
reapers
reaphook
reaphooks
reaping
reappear
reappearance
reappearances
reappeared
reappearing
reappears
reapplied
reapplies
reapply
reapplying
reappoint
reappointed
reappointing
reappoints
reapportion
reapportioned
reapportioning
reapportions
reappraisal
reappraisals
reappraise
reappraised
reappraises
reappraising
reapprove
reapproved
reapproves
reapproving
reaps
rear
reared
rearer
rearers
reargue
reargued
reargues
rearguing
rearing
rearm
rearmed
rearmice
rearming
rearmost
rearms
rearouse
rearoused
rearouses
rearousing
rearrange
rearranged
rearranges
rearranging
rearrest
rearrested
rearresting
rearrests
rears
rearward
rearwards
reascend
reascended
reascending
reascends
reascent
reascents
reason
reasonable
reasonableness
reasonablenesses
reasonably
reasoned
reasoner
reasoners
reasoning
reasonings
reasons
reassail
rebound
rebounded
rebounding
rebounds
rebozo
rebozos
rebranch
rebranched
rebranches
rebranching
rebroadcast
rebroadcasted
rebroadcasting
rebroadcasts
rebs
rebuff
rebuffed
rebuffing
rebuffs
rebuild
rebuilded
rebuilding
rebuids
rebuilt
rebuke
rebuked
rebuker
rebukers
rebukes
rebuking
reburial
reburials
reburied
reburies
rebury
reburying
rebus
rebuses
rebut
rebuts
rebuttal
rebuttals
rebutted
rebutter
rebutter
rebutters
rebutting
rebutton
rebuttoned
reciprocations
reciprocities
reciprocity
recircle
recircled
recircles
recirling
recirculate
recirculated
recirculates
recirculating
recirculation
recirculations
recision
revisions
recital
recitals
recitation
recitations
recite
recited
reciter
reciters
recites
reciting
reck
recked
recking
reckless
recklessly
recklessness
recklessness
recklessnesses
reckon
reckoned
reckoner
reckoners
reckoning
reckonings
reckons
recks
reclad
reclaim
reclaimable
reclaimed
reclaiming
reclams
reclamation
reclamations
reclame
reclames
reclasp
reclaspd
reclaspings
reclaspss
reclassification
reclassifications
reclassified
reclassifies
reclassify
reclassifying
reclan
reclaned
reclaneings
reclans
recline
reclined
recliner
recliners
reclines
reclining
reclote
reclothed
reclotes
recloting
recluse
reclusses
recoal
recoaled
recoaling
recoals
recocks
recock
recocked
recocking
recocks
recodified
recodifies
recodify
recodifying
recognition
recognitionss
recognizable
recognizabley
recognizance
recognizances
recognize
recognized
recognizes
recognizing
recoil
recoiled
recoiler
recoilers
recoiling
recoils
recoin
recoined
recoining
recoins
recollection
recollections
recolonize
recolonized
recolonizes
recolonizing
recolor
recolored
recoloring
recolors
recomb
recombed
recombine
recombined
recombines
recombining
recombing
recombs
recommend
recommendable
recommendation
recommendations
recommendatory
recommended
recommender
recommenders
recommending
recommends
recommit
recommits
recommitted
recommitting
recompense
recompensed
recompenses
recompensing
recompile
recompiled
recompiles
recompiling
recompute
recomputed
recomputes
recomputing
recon
reconceive
reconceived
reconceives
reconceiving
reconcilable
reconcile
reconciled
reconciliation
reconcilement
reconcilements
reconciler
reconcilers
reconciles
reconciliation
reconciliations
reconciling
recondite
reconfigure
reconfigured
reconfigures
reconfiguring
reconnaissance
reconnaissances
reconnect
reconnected
reconnecting
reconnects
reconnoiter
reconnoitered
reconnoitering
reconnoiters
reconquer
reconquered
reconquering
reconquers
reconquest
reconquests
recons
reconsider
reconsideration
reconsiderations
reconsidered
reconsidering
reconsiders
reconsolidate
reconsolidated
reconsolidates
reconsolidating
reconstruct
reconstructed
reconstructing
reconstructs
reconsolidate
reconsolidated
reconsolidates
reconsolidating
reconvene
reconvened
reconvenes
reconvening
reconvey
reconveyed
reconveying
reconveys
reconvict
reconvicted
reconvicting
reconvicts
recook
recooked
recooking
recooks
recopied
recopies
recopy
recopying
record
recordable
recorded
recorder
recorders
recording
records
recount
recounted
recounting
recounts
recoup
redefined
redefies
redefine
redefined
redefines
redefining
redefy
redefying
redemand
redemanded
redemanding
redemands
redemption
redemptions
redemptive
redemptory
denied
denies
deny
denying
deploy
deployed
deploying
deploys
deposit
deposited
depositing
deposits
des
design
designate
designated
designates
designating
designed
designing
designs
develop
developed
developing
develops
deye
deyes
dfin
dfins
dfish
dfishes
head
redheaded
redheads
redhorse
redhorses
redia
rediae
redial
redias
redid
redigest
redigested
redigesting
redigests
reding
redip
redipped
redipping
redips
redipt
redirect
redirected
redirecting
redirects
rediscover
rediscovered
rediscoveries
rediscovering
rediscovers
rediscovery
redissolve
redissolved
redissolves
redissolving
redistribute
redistributed
redistributes
redistributing
redivide
redivided
redivides
redividing
redleg
redlegs
redly
redneck
rednecks
redness
rednesses
redo
redock
redocked
redocking
redocks
redoes
redoing
redolence
redolences
redolent
redolently
redo
redos
redouble
redoubled
redoubles
redoubling
redoubt
redoubtable
redoubts
redound
redounded
redounding
redounds
redout
redouts
redowa
redowas
redox
redoxes
redpoll
redpolls
redraft
redrafted
redrafting
redrafts
redraw
redrawer
redrawers
redrawing
redrawn
redraws
redress
redressed
redresses
redressing
redrew
redried
redries
redrill
redrilled
redrilling
redrills
redrive
redriven
redrives
redriving
redroot
redroots
redrove
redry
redrying
reds
redshank
redshanks
redshirt
redshirted
redshirting
redshirts
redskin
redskins
redstart
redstarts
redtop
redtops
reduce
reduced
reducer
reducers
reduces
reducible
reducing
reduction
reductions
redundancies
redundancy
redundant
redundantly
reduviid
reduviids
redware
redwares
redwing
redwings
redwood
redwoods
reenacting
reenacts
reendow
reendowed
reendowing
reendows
reenergize
reenergized
reenergizes
reenergizing
reengage
reengaged
reengages
reengaging
reenjoy
reenjoyed
reenjoying
reenjoys
reenlist
reenlisted
reenlisting
reenlistness
reenlistnesses
reenlists
reenter
reentered
reentering
reenters
reentries
reentry
reequip
reequipped
reequipping
reequips
reerect
reerected
reerecting
reerects
rees
reest
reestablish
reestablished
reestablishes
reestablishing
reestablishment
reestablishments
reested
reestimate
refills
refilm
refilmed
refilming
refilms
refilter
refiltered
refiltering
refilters
refinance
refinanced
refinances
refinancing
refind
refinding
refinds
refine
refined
refinement
refinements
refiner
refineries
refiners
refinery
refines
refining
refinish
refinished
refinishes
refinishing
refire
refired
refires
refiring
refit
refits
refitted
refitting
refix
refixed
refixes
refixing
reflate
reflated
reflates
reflating
reflect
reflected
reflecting
reflection
reflections
reflective
reflector
refectors
reflects
reflet
reflets
reflew
reflex
reflexed
reflexes
reflexing
reflexive
reflexively
reflexiveness
reflexivenesses
reflexly
reflies
refloat
refloated
refloating
refloats
reflood
reflooded
reflooding
refloods
reflow
reflowed
reflower
reflowered
reflowering
reflowers
reflowing
reflown
reflows
refluent
reflux
refluxed
refluxes
refluxing
refly
reflying
refocus
refocused
refocusses
refocusing
refocussed
refocusses
refocussing
refold
refolded
refolding
refolds
reforest
reforested
reforesting
reforests
reforge
reforged
reforges
reforging
reform
reformat
reformatories
reformatory
reformats
reformatted
reformatting
reformed
reformer
reformers
reforming
reforms
reformulate
reformulated
reformulates
reformulating
refought
refound
refounded
refounding
refounds
refract
refracted
refracting
refraction
refractions
refractive
refractory
refracts
refrain
refrained
refraining
refrainment
refrainments
refrains
reframe
reframed
reframes
reframing
refreeze
refreezes
refreezing
refresh
refreshed
refresher
refreshers
refreshes
refreshing
refreshingly
refreshment
refreshments
refried
refries
refrigerant
refrigerants
refrigerate
refrigerated
refrigerates
refrigerating
refrigeration
refrigerations
refrigerator
refrigerators
refront
refronted
refronting
refronts
refroze
refrozen
refry
refrying
refs
reft
refuel
refueled
refueling
refuelled
refuelling
refuels
refuge
refuged
refugee
refugees
refuges
refugia
refugiing
refugium
refund
refundable
refunded
refunder
refunders
refunding
refunds
refurbish
refurbished
refurbishes
refurbishing
refusal
refusals
refuse
refused
refuser
refusers
refuses
refusing
refutal
refutals
refutation
refutations
refute
refuted
refuter
refuters
refutes
refuting
regain
regained
regainer
regainers
regaining
regains
regal
regale
regaled
regalement
regalements
regales
regalia
regaling
regalities
regality
regally
regard
regarded
regardful
regarding
regardless
regards
regather
regathered
regathering
regathers
regatta
regattas
regauge
regauged
regauges
regauging
regave
regear
regeread
regearing
regears
regelate
regelated
regelates
regelating
regencies
regency
regenerate
regenerated
regenerates
regenerating
regeneration
regenerations
regenerative
regenerator
regenerators
regent
regental
regents
reges
regicide
regicides
regild
regilded
rehearsed
rehearer
rehearsers
rehearses
rehearsing
reheat
reheated
reheater
reheaters
reheating
reheats
reheel
reheeled
reheeling
reheels
rehem
rehemmed
rehemming
rehems
rehinge
rehinged
rehinges
rehinging
rehire
rehired
rehires
rehiring
rehospitalization
rehospitalizations
rehospitalize
rehospitalized
rehospitalizes
rehospitalizing
rehouse
rehoused
rehouses
rehousing
rehung
rei
reidentified
reidentifies
reidentify
reidentifying
reif
reified
reifier
reifiers
reifies
reifs
reify
reifying
reign
reigned
reigning
reignite
reignited
reignites
reigniting
reigns
reimage
reimaged
reimages
reimaging
reimbursable
reimburse
reimbursed
reimbursement
reimbursements
reimburses
reimbursing
reimplant
reimplanted
reimplanting
reimplants
reimport
reimported
reimporting
reimports
reimpose
reimposed
reimposes
reimposing
rein
reincarnate
reincarnated
reincarnates
reincarnating
reincarnation
reincarnations
reincite
reincited
reincites
reinciting
reincorporate
reincorporated
reincorporates
reincorporating
reincur
reincurred
reincurring
reincurs
reindeer
reindeers
reindex
reindexed
reindexes
reindexing
reinduce
reinduced
reinduces
reinducing
reinduct
reinducted
reinducting
reinducts
reined
reinfect
reinfected
reinfecting
reinfected
reinfections
reinfects
reinforcement
reinforcements
reinforcer
reinforcers
reinform
reinformed
reinforming
reinforms
reinfuse
reinfused
reinfuses
reinfusing
reining
reinjection
reinjections
reinjure
reinjured
reinjures
reinjuring
reinless
reinoculate
reinoculated
relabeled
relabeling
relabelled
relabelling
relabels
relace
relaced
relaces
relacing
relaid
relandscape
relanscaped
relascapes
relascaping
relapse
relapsed
relapser
relaspers
relapses
relapsing
relatable
relate
related
relater
relaters
relates
relating
relation
relations
relationship
relationships
relative
relatively
relatiiveness
relatiivenesses
relatives
relator
relators
relaunch
relaunched
relaunches
relaunching
relax
relaxant
relaxants
relaxation
relaxations
relaxed
rely
relying
rem
remade
remail
remailed
remailing
remails
remain
remainder
remainders
remained
remaining
remains
remake
remakes
remaking
reman
remand
remanded
remanding
remands
remenant
remanned
remanning
remans
remap
remapped
remapping
remaps
remark
remarkable
remarkableness
remarkablenesses
remarkably
remarked
remarker
remarkers
remarking
remarks
remarque
remarques
remarriage
remarriages
remarried
remarries
remarry
remarrying
rematch
rematched
rematches
rematching
remeasure
remeasured
remeasures
remeasuring
remedial
remedially
remied
remedies
remedy
remediying
remeet
remeeting
remeets
remelt
remelted
remelting
remelts
remember
remembered
remembering
remembers
remend
remended
remending
remends
remerge
remerged
remerges
remerging
remet
remex
remiges
remigial
remind
reminded
reminder
reminders
reminding
reminds
reminisce
reminiscenced
reminiscence
reminiscences
reminiscent
renounced
renunciation
renouncements
renounces
renouncing
renovate
renovated
renovates
renovating
renovation
renovations
renovator
renovators
renown
renowned
renowning
renowns
rent
rentable
rental
rentals
rente
rented
renter
renters
rentes
rentier
rentiers
renting
rents
renumber
renumbered
renumbering
renumbers
renunciation
renunciations
renvoi
renvois
reobject
reobjected
reobjecting
reobjects
reobtain
reobtained
reobtaining
reobtains
reoccupied
reoccupies
repatriation
repatriations
repave
repaved
repaves
repaving
repay
repayable
repaying
repayment
repayments
repays
repeal
repealed
repealer
repealers
repealing
repeals
repeat
repeatable
repeated
repeatedly
repeater
repeaters
repeating
repeats
repel
repelled
repellent
repellents
repeller
repellers
repelling
repels
repent
repentance
repentances
repentant
repented
repenter
repenters
repenting
resects
repeople
repeopled
repeoples
repeopling
repercussion
replan
replanned
replanning
replans
replant
replanted
replanting
replants
replate
replated
replates
replanting
replay
replayed
replaying
replays
repledge
repledged
repledges
repledging
replenish
replenished
replenishes
replenishing
replenishment
replenishments
replete
repletleness
repletlenesses
repletion
repletions
replevie
replevies
replevin
replevined
replevining
replevins
replevy
replevying
replica
replicas
replicate
replicated
replicates
replicating
replied
replier
repliers
repower
repowered
repowering
repowers
repp
repped
repps
reprehend
reprehends
reprehensible
reprehensibly
reprehension
reprehensions
represent
representation
representations
representative
representatively
representativeness
representativenesses
representatives
represented
representing
represents
repress
repressed
represses
repressing
repression
repressions
repressive
repressurize
repressurized
repressurizes
repressurizing
reprice
repriced
reprices
repricing
reprieve
reprieved
reprieves
reprieveing
reprimand
reprimanded
reprimanding
reprimands
reprint
repros
reproval
reprovals
reprove
reproved
reprover
reprovers
reproves
reproving
reps
reptant
reptile
reptiles
republic
republican
republicanism
republicanisms
republicans
republics
repudiate
repudiated
repudiates
repudiating
repudiation
repudiations
repudiator
repudiators
repugn
repugnance
repugnances
repugnant
repugnantly
repugned
repugning
repugns
repulse
repulsed
repulser
repulsers
repulses
repulsing
repulsion
repulsions
repulsive
repulsively
repulsiveness
repulsivenesses
repurified
repurifies
repify
repurifying
repursue
repursued
repursues
repursuing
reputable
reputabley
reputation
reputations
repute
reputed
reputedly
reputes
reputing
request
requested
requesting
requests
requiem
requiems
requin
requins
require
required
requirement
requirements
requirer
requirers
requires
requiring
requisite
requisites
requisition
requisitioned
requisitioning
requisitions
requital
requitals
requite
required
requiter
requiters
requites
requiting
reran
reread
rereading
rereads
rerecord
rerecorded
rerecording
rerecords
reredos
reredoses
reregister
reregistered
reregistering
reregisters
reremice
reremouse
reweward
rewwards
rereise
rereisen
rereises
rereising
reroll
rerolled
reroller
rerollers
rerolling
rerolls
reros
reroute
rerouted
reroutes
rerouting
rerun
rerunning
reruns
res
resaddle
resaddled
resaddles
resaddling
resaid
resail
resailed
resailing
resails
resalable
resale
resales
resalute
resonates
resonating
resorb
resorbed
resorbing
resorbs
resorcin
resorcins
resort
resorted
resorter
resorters
resorting
resorts
resought
resound
resounded
resounding
resoundingly
resounds
resource
resourceful
resourcefulness
resourcefulnesses
resources
resow
resowed
resowing
resown
resows
respect
respectabilities
respectability
respectable
respectably
respected
respecter
respecters
respectful
respectfully
respectfulness
respectfulnesses
respecting
respective
respectively
respects
respell
respelled
respelling
respells
respelt
respiration
respirations
respirator
respiratories
respirators
respiratory
respire
respired
respires
respiring
respite
respted
respites
respiteing
resplenence
resplendences
resplendent
resplendently
respond
responded
respondent
respondents
responder
responders
responding
responds
responsa
response
responses
responsibilities
responsibility
responsible
responsible
responsibleness
responsiblenesses
responsibilities
responsibility
responsibly
responsive
responsiveness
responsivenesses
resprang
respread
respreading
respreads
respring
respringing
resprings
resprung
rest
restack
restacked
restacking
restacks
restaff
restaffed
restaffing
restaffs
restage
restaged
restages
restaging
restamp
restamped
restamping
restamps
restart
restartable
restarted
restarting
restarts
restate
restated
restatement
restatements
restates
restates
restates
restaurant
restaurants
rested
rester
resters
restful
restfuller
restfullest
restfully
restimulate
restimulated
restimates
restimulating
resting
restitution
restitutions
restive
resupply
resupplying
resurface
resurfaced
resurfaces
resurfacing
resurge
resursed
resurgence
resurgences
resurgent
resurges
resurging
resurrect
resurrected
resurrecting
resurrection
resurrections
resurrects
resurvey
resurveyed
resurveying
resurveyes
resuscitate
resuscitated
resuscitates
resuscitating
resuscitation
resuscitations
resuscitator
resuscitators
resyntheses
resynthesis
resynthesize
resynthesized
resynthesizes
resynthesizing
ret
retable
retables
retail
retailed
retailer
retailers
retailing
retailer
retailored
retailoring
retenes
retention
retentions
retentive
retest
retested
retesting
retests
rethink
rethinking
rethinks
rethought
rethread
rethreaded
rethreading
rethreads
reta
retial
retiarii
retiary
reticence
reticences
reticent
reticently
reticle
reticles
reticula
reticule
reticules
retie
retied
reties
retiform
retighten
retightened
retightening
retightens
retime
retimed
retimes
retiming
retina
retinace
retinal
retinals
retinas
retinene
retinenes
retinite
retinites
retinol
retinols
retint
retinted
retinting
retints
retinue
retinued
retinues
retinula
retinulae
retinulas
retirant
retirants
reire
reiree
reirees
retirement
retirements
retirer
retirers
retires
retiring
reitle
reitled
retitles
retitling
reitold
reitook
reitol
retooled
retooling
retools
retort
retorted
retorter
retorters
retorting
reortes
reort
reorted
reorters
reorting
reorts
reouch
reouched
reouches
reouching
rebrace
rebraced
rebrace
retraces
retracing
retrack
retracked
retracking
retracks
retract
retractable
retracted
retracting
retraction
retractions
retracts
retrain
retrained
retraining
retrains
retral
retrally
retranslate
retranslated
retranslates
retranslating
retransmit
retransmited
retransmitting
retransmits
retransplant
retransplanted
retransplanting
retransplants
retread
retreaded
retreading
retreads
retreat
retreated
retreating
retreatment
retreats
retrench
retrenched
retrenches
retrenching
retrenchment
retrenchments
retrial
retrials
retribution
retributions
retributive
retributory
retried
retries
retrievabilities
retrievability
retrievable
retrieval
retrievals
retrieve
retrieved
retriever
retrievers
retrieves
retrieving
retrim
retrimmed
retrimming
retrims
retroact
retroacted
retroacting
retroactive
retroactively
retroacts
retrofit
retrofits
retrofitted
retrofitting
retrograde
retrogress
retrogressed
retrogresses
retrogressing
retrogression
retrogressions
retrorse
retrospect
retrospection
retrospections
retrospective
retrospectively
retrospectives
retry
retrying
rets
retsina
retsinas
retted
retting
retune
retuned
retunes
retuning
return
returnable
returned
returnee
returnees
returner
returners
returning
returns
retuse
retwist
retwisted
retwisting
retwists
retying
retype
retyped
retypes
retying
reunified
reunifies
reunify
reunifying
reunion
reunions
reunite
reunited
reuniter
reuniters
reunites
reuniting
reupholster
reupholstered
reupholstering
reupholsters
reusable
reuse
reused
reuses
reusing
revenge
revengeful
revenger
revengers
revenge
revenual
revenue
revenued
revenuer
revenuers
revenues
reverb
reverberate
reverberated
reverberates
reverberating
reverberation
reverberations
reverbs
revere
revered
reverence
reverences
reverend
reverends
reverent
reverer
reverers
reveres
reverie
reveries
reverified
reverifies
reverify
reverifying
revering
revers
reversal
reversals
reverse
reversed
reversely
reverser
reversers
reverses
reversible
revisiting
revisits
revisor
revisors
revisory
revival
revivals
revive
revived
reviver
revivers
revives
revivified
revivifies
revivify
revivifying
reviving
revocation
revocations
revoice
revoiced
revoices
revoicing
revoke
revoked
revoker
revokers
revokes
revoking
revolt
revolted
revolter
revolters
revolting
revolts
revolute
revolution
revolutionaries
revolutionary
revolutionize
revolutionized
revolutionizer
revolutionizers
revolutionizes
revolutionizing
revolutions
revolvable
revolve
revolved
revolver
revolvers
revolves
revolving
revs
revue
revues
revuist
revuists
revulsed
revulsion
revulsions
revved
revving
rewake
rewaked
rewaken
rewakened
rewakening
rewakens
rewakes
rewaking
rewan
reward
rewarded
rewarder
rewarders
rewarding
rewards
rewarm
rewarmed
rewarming
rewarms
rewash
rewashed
rewashes
rewashing
rewax
rewaxed
rewaxes
rewaxing
reweave
reweaved
reweaves
reweaving
reweaving
rewed
reweigh
rewighed
rewighing
rewighs
reweld
rewelded
rewelding
rewelds
rewiden
rewidened
rewidening
rewidens
rewind
rewinded
rewinder
rewinders
rewinding
rewinds
rewinning
rewins
rewire
rewired
rewires
rewiring
rewoke
rewoken
rewon
reword
reworded
rewording
rewords
rework
reworked
reworking
reworks
rewound
rewove
rewoven
rewrap
rewrapped
rewrapping
rewraps
rewrapt
rewrite
rewriter
rewriters
rewrites
rewriting
rewritten
rewrote
rewrought
rex
rexes
reynard
reynards
rezone
rezoned
rezones
rezoning
rhabdom
rhabdome
rhabdomes
rhabdoms
rhachides
rhachis
rhachises
rhamnose
rhamnoses
rhamnus
rhamnuses
rhaphae
rhaphe
rhaphes
rhapsode
rhapsodes
rhapsodic
rhapsodically
rhapsodies
rhapsodize
rhapsodized
rhapsodizes
rhapsodizing
rhapsody
rhatanies
rhatany
rhea
rheas
rhebok
rheboks
rhematic
rhenium
rheniums
rheobase
rheobases
rheologies
rheology
rheophil
rheostat
rheostats
rhesus
rhesuses
rhetor
rhetoric
rhetorical
rhetorician
rhetoricians
rhetorics
rhetors
rheum
rheumatic
rheumatism
rheumatisms
rheumic
rheumier
rheumiest
rheums
rheumy
rhinal
rhinestone
rhinestones
rhinitides
rhinitis
rhino
rhinoceri
rhinoceros
rhinoceroses
rhinos
rhizobia
rhizoid
rhizoids
rhizoma
rhizomata
rhizome
rhizomes
rhizomic
rhizopi
rhizopod
rhizopods
rhizopus
rhizopuses
rho
rhodamin
rhodamins
rhodic
ricercar
ricercars
ricers
rices
rich
richen
richened
richening
richens
richer
riches
richest
richly
richness
richnesses
richweed
richweeds
ricin
ricing
ricins
ricinus
ricinuses
rick
ricked
ricketier
ricketiest
rickets
rickety
rickey
rickeys
ricking
rickrack
rickracks
ricks
ricksha
rickshas
rickshaw
rickshaws
ricochet
ricochedet
ricocheating
ricocheets
ricochetted
ricochetting
ricotta
ricottas
ricrac
ricracs
rictal
rictus
rictuses
rid
ridable
riddance
riddances
ridded
ridden
ridder
ridders
ridding
riddle
riddled
riddler
riddlers
riddles
riddling
ride
rideable
rident
rider
riderless
riders
rides
ridge
ridged
ridgel
ridgels
ridges
ridger
ridgiest
ridgil
ridgils
ridging
ridgling
ridglings
ridgy
ridicule
ridiculed
ridicules
ridiculing
ridiculous
ridiculously
ridiculousness
ridiculousnesses
riding
ridings
ridley
ridleys
ridotto
ridottos
rids
riel
riels
riever
rievers
rive
rifely
rifeness
rifeneses
rifer
rifest
riff
rifled
riffing
riffle
rifled
rifler
rifflers
rifles
riffing
riffrayf
riffrays
riffs
rifle
rifled
rifleman
riflemen
rifler
rifleries
riflers
riflery
rifles
riffing
riffings
riff
rifled
rifting
riftings
riftless
rifts
rig
rigadoon
rigadoons
rigatoni
rigatonis
rigorous
rigorously
rigors
rigour
rigours
rigs
rikisha
rikishas
rikshaw
rikshaws
rile
riled
riles
riley
rilievi
rilievo
riling
rill
rille
rilled
rilles
rillet
rillets
rilling
rills
rilly
rim
rime
rimed
rimer
rimers
rimes
rimester
rimesters
rimfire
rimier
rimiest
riming
rimland
rimlands
rimless
rimmed
rimmer
rimmers
rimming
rimose
rimosely
rimosities
ringworms
rink
rinks
rinning
rins
rinsable
rinse
rinsed
rinser
rinsers
rines
rinses
rinsible
rinsing
rinsings
riot
rioter
rioters
riotous
riots
rip
riparian
ripcord
ripcords
ripe
ripped
riply
ripen
ripened
ripeners
ripeners
ripeness
ripenesses
ripening
ripens
riper
ripes
ripest
ripieni
ripieno
ripienos
ripening
ripost
riposte
riposted
ripostes
riposting
riposts
rippable
ripped
ripper
rippers
ripping
ripple
rippled
ripper
ripplers
ripples
ripplet
ripplets
riplier
rippliest
rippling
ripply
rip
riprap
riprapped
riprapping
ripraps
rips
ripsaw
ripsaws
riptide
riptides
rise
risen
riser
risers
rises
rishi
rishis
risibilities
risibility
risible
risibles
risibly
rising
risings
risk
risked
risker
riskers
riskier
riskiest
riskily
riskiness
roamers
roaming
roams
roan
roans
roar
roared
roarer
roarers
roaring
roarings
roars
roast
roasted
roaster
roasters
roasting
roasts
rob
robalo
robalos
robard
robards
robbed
robber
robberies
robbers
robbery
robbing
robbins
robe
robbed
robes
robin
robing
robins
roble
robles
roborant
roborants
robot
robotics
robotism
robotisms
robotize
robotized
robotizes
robotizing
robotries
robotry
robots
rohs
robust
robuster
robustest
robustly
robustness
robustnesses
roc
rochet
rochets
rock
rockabies
rockaby
rockabye
rockabyes
rockaway
rockaways
rocked
rocker
rockeries
rockers
rockery
rocket
rocketed
rocketer
rocketers
rocketing
rocketries
rocketry
rockets
rockfall
rockfalls
rockfish
rockfishes
rockier
rockiest
rocking
rockless
rocklike
rockling
rocklings
rockoon
rockoons
rockrose
rockroses
rocks
rockweed
rockweeds
rockwork
rockworks
rocky
rococo
rococos
rocs
rod
rodded
rodding
rode
rodent
rodents
rodeo
rodeos
rodless
rodlike
rodman
rodmen
rods
rodsman
rodsmen
roe
roebuck
roebucks
roentgen
roentgens
roes
rogation
rogations
rogatory
roger
rogers
rogue
rogued
rogueing
rogueries
roguery
rogues
roguing
roguish
roguishly
roguishness
roguishnesses
roil
root
rootage
rootages
rooted
rooter
rooters
roothold
rootholds
rootier
rootiest
rooting
rootless
rootlet
rootlets
rootlike
roots
rooty
ropable
rope
roped
roper
roperies
ropers
ropery
ropes
ropewalk
ropewalks
ropeway
ropeways
ropier
ropiest
ropily
ropiness
ropinesses
roping
ropy
roque
roques
roquet
roqueted
roqueting
roquets
rorqual
rorquals
rosaria
rosarian
rosarians
rosaries
rototill
rototilled
rototilling
rototills
rots
rotted
rotten
rottener
rotteneest
rottenly
rotteneess
rotteneesses
rotter
rotters
rotting
rotund
rotunda
rotundas
rotundly
roturier
roturiers
rouble
roubles
rouche
roupes
rouen
rouens
roues
rouge
rouged
rouges
rough
roughage
roughages
roughdried
roughdries
roughdry
roughdrying
roughed
roughen
roughened
roughening
roughens
rougher
roughers
roughest
roughhew
rouping
roups
roupy
rouse
roused
rouser
rousers
rousing
rousseau
rousseaus
roast
rousted
rouster
rousters
rousting
rousts
rout
route
routed
routeman
routemen
router
routers
routes
routeway
routeways
routh
rouths
routine
routinely
routines
routing
routs
roux
rove
roved
roven
rover
rovers
roves
roving
rovingly
rovings
row
rowable
rowan
rowans
rubace
rubaces
rubaiyat
rubasse
rubasses
rubato
rubatos
rubaboo
rubaboos
rubbed
rubber
rubberize
rubberized
rubberizes
rubberizing
rubbers
rubbery
rubbing
rubbings
rubbish
rubbishes
rubbishy
rubble
rubbled
rubbles
rublier
rubliest
rubbling
rubbly
rubdown
rubdowns
rube
rubella
rubellas
rubeola
rubeolar
rubeolas
rubes
rubicund
rubidic
rubidium
rubidiums
rubied
rubier
rubies
rubiest
rubigo
rubigos
rudesbies
rudesby
rudest
rudiment
rudimentary
rudiments
rue
rued
rueful
ruefully
ruefulness
ruefulnesses
ruer
ruers
rues
ruff
ruffe
ruffed
ruffes
ruffian
ruffians
ruffing
ruffle
ruffled
ruffler
rufflers
ruffles
rufflike
ruffling
ruffly
ruffs
rufous
rug
ruga
rugae
rugal
rugate
rugbies
rugby
rugged
ruggeder
ruggedest
ruggedly
ruggedness
ruggednesses
ruger
ruggers
ruggling
ruglike
rugose
rugosely
rugosities
rugosity
rugous
rugs
rugulose
ruin
ruinable
ruinate
ruinated
ruinates
ruinating
ruined
ruiner
ruiners
ruing
ruining
ruinous
ruinously
ruins
rulable
rule
ruled
ruleless
ruler
rulers
rules
ruling
rulings
rum
rumba
rumbaed
rumbaid
rumbaing
rumbas
rumble
rumbled
rumbler
rumblers
rumbles
rumbling
rumblings
rumbly
rumen
rumens
rumina
ruminal
ruminant
ruminants
ruminating
ruminative
ruminated
ruminates
ruminating
ruminage
rummaged
rummager
rummagers
rummies
ruminating
rummer
rummers
rummest
rummier
rummies
rummiest
rummy
rumor
rumored
rumoring
rumors
rumour
rumoured
rumouring
rumours
rump
rump
rumpled
rumples
rumpless
rumpler
rumplihest
rumpling
rumply
rumps
rumpus
rumpuses
rums
run
runabout
runabouts
runagate
runagates
runaround
runarounds
runaway
saboteurs
sabots
sabra
sabras
sabre
sabred
sabres
sabring
sabs
sabulose
sabulous
sac
sacaton
sacatons
sachut
sachuts
saccade
saccades
saccadic
saccate
saccharin
saccharine
saccharins
saccular
saccule
saccules
sacculi
sacculus
sachem
sachemic
sachems
sachet
sacheted
sachets
sack
sackbut
sackbuts
sackcloth
sackcloths
sacked
sacker
sackers
sackful
sackfuls
sacking
sackings
sacklike
sacks
safroles
safrols
sag
saga
sagacious
sagacities
sagacity
sagaman
sagamen
sagamore
sagamores
saganash
saganashes
sagas
sagbut
sagbuts
sage
sagebrush
sagebrushes
sagely
sageness
sagenesses
sager
sages
sagest
saggar
saggard
saggards
saggared
saggaring
saggars
sagged
sagger
saggered
saggering
saggers
sagging
sagier
sagiest
sagittal
sago
sagos
sags
saguaro
saguaros
sagum
sagy
sahib
saiyids
sajou
sajous
sake
saker
sakers
sakes
saki
sakis
sal
salaam
salaamed
salaaming
salaams
salable
salably
salacious
salacities
salacity
salad
saladang
saladangs
salads
salamander
salamanders
salami
salamins
salariat
salarisats
salaried
salaries
salary
salarying
sale
saleable
saleably
salep
saleps
saleroom
salerooms
sales
salesman
salesmen
saleswoman
saleswomen
salic
salicin
salicine
salcines
salcins
salience
saliences
saliencies
saliency
salient
salients
salified
salifies
salify
salifying
salina
salinas
saline
salines
salinities
salinity
salinize
salimized
salinizes
salinizing
saliva
salivary
salivases
salivate
salivated
salivates
salivating
salivation
salivations
sall
sallet
sallets
sallied
sallier
salliers
sallies
sallow
sallowed
sallower
sallowest
sallowing
sallowly
sallows
sallowy
sally
sallying
salmi
salmis
salmon
salmonid
salmonids
salmons
salol
salols
salon
salons
saloon
saloons
saloop
saloops
salp
salpa
salpae
salpas
salpian
salpians
salpid
salpids
salpinges
salpinx
salps
sals
salsifies
salsify
salsilla
salsillas
salt
saltant
saltbox
saltboxes
saltbush
saltbushes
salted
salters
salters
salters
salters
salters
saltier
saltiers
saltier
saltiers
saltiest
saltiest
saltily
saltine
saltines
saltiness
saltinesses
salting
saltire
saltires
saltish
saltless
saltlike
saltness
saltinesses
saltire
saltires
saltish
saltless
saltlike
saltness
saltnesses
saltpan
saltpans
salts
saltwater
saltwaters
saltwork
saltworks
saltwort
saltworts
salty
salubrious
saluki
salukis
salutary
salutation
salutations
salute
saluted
saluter
saluters
salutes
saluting
salvable
salvably
salvage
salvaged
salvagee
salvagees
salvager
salvagers
salvages
salvaging
salvation
salvations
salve
salved
salver
salvers
salves
salvia
salvias
salvific
salving
salvo
salvoed
salvoes
salvoing
salvor
salvors
salvos
samara
samaras
samarium
samariums
samba
sambaed
sambaing
sambar
sambars
sambas
sambhar
sambhars
sambhur
sambhurs
sambo
sambos
sambuca
sambucas
sambuke
sambukes
sambur
samburs
same
samech
samechs
samek
samekh
samekhs
sameks
sameness
samenesses
samiel
samiels
samisen
sand
sandal
sandaled
sandaling
sandalled
sandallling
sandals
sandarac
sandaracs
sandbag
sandbagged
sandbagging
sandbags
sandbank
sandbanks
sandbar
sandbars
sandbox
sandboxes
sandbur
sandburr
sandburrs
sandburs
sanded
sander
sanders
sandfish
sandishes
sandflies
sandfly
sandhi
sandhis
sandhog
sandhogs
sandier
sandiest
sanding
sandlike
sandling
sandlings
sandlot
sandlots
sandman
sandmen
sandpaper
sandpapered
sandpapering
sandpapers
sandpeep
sandpeeps
sandpile
sandpiles
sandpiper
sandpipers
sandpit
sandpits
sands
sandsoap
sandsoaps
sandstone
sandstones
sandstorm
sandstorms
sandwich
sandwiched
sandwiches
sandwiching
sandworm
sandworms
sandwort
sandworts
sandy
sane
saned
sanely
saneness
sanenesses
saner
sanes
sanest
sang
sanga
sangar
sangaree
sangarees
sangars
sangas
sanger
sangers
sangh
sanghs
sangria
sangrias
sanguinary
sanguine
sanguines
sapphism
sapphisms
sapphist
sapphists
sappier
sappiest
sappily
sapping
sappy
sapremia
sapremias
sapremic
saprobe
saprobes
saprobic
sapropel
saproplets
saps
sapsago
sapsagos
sapsucker
sapsuckers
sapwood
sapwoods
saraband
sarabands
saran
sarape
sarapes
sarcasm
sarcasms
sarcastic
sarcastically
sarcenet
sarcenets
sarcoideal
sarcoideal
sarcoid
sarcoids
sarcoma
sarcomas
sarcomata
sarcophaagi
sarcophagus
sarcous
sard
sardar
sardars
sardine
sardines
sardius
sardiuses
sardonic
sardonically
sardonyx
sardonyxes
sards
saree
sarees
sargasso
sargassos
sarge
sarges
sari
sarins
sarins
saris
sark
sarks
sarment
sarmenta
sarments
sarod
sarode
sarodes
sarodist
sarodists
sarods
sarong
sarongs
sarsaparilla
sarsaparillas
sarsar
sarsars
sarsen
sarsenet
sarsenets
sarsens
sartor
sartorii
sartors
sash
sashay
sashayed
sashaying
sashays
sashed
sashes
satiating
satieties
satiety
satin
satinet
satinet
sating
satinpod
satinpods
satin
satiny
satire
satires
satiric
satirical
satirically
satirize
satirist
satirists
satirize
satirized
satirizes
satirizing
satis
satisfaction
satisfactions
satisfactorily
satisfactory
satisfied
satisfies
satisfy
satisfying
satisfyingly
satori
satoris
satrap
satrapies
satrap
satrapy
saturant
saturants
saturate
saturated
saturates
saturating
saturation
saturations
saturnine
satyr
satyric
satyrid
satyrids
satyrs
sau
sauce
saucebox
sauceboxes
sauced
saucepan
saucepans
saucer
saucers
sauces
sauch
sauchs
saucier
sauciest
saucily
saucing
saucy
sauerkraut
sauerkrauts
sauger
saugers
saugh
saughs
saughy
saul
sauls
sault
saults
sauna
saunas
saunter
sauntered
sauntering
saunters
saurel
saurels
saurian
saurians
sauries
sauropod
sauropods
saury
sausage
sausages
saute
sauteed
sauteed
sauteing
sauterme
sauternes
sautes
sautoir
sautoire
sautoires
sautoirs
savable
savage
savored
sagely
savageness
savagenesses
savager
saggeries
savagery
savages
savagist
saging
savigism
savigisms
savanna
savannah
savannahs
savannas
savant
savants
savate
savates
save
saveable
saved
saveloy
saveloys
saver
savers
saves
savin
savine
savines
saving
savingly
savings
savins
savior
saviors
saviour
saviours
savor
savored
savorer
savorers
savorier
savories
savoriest
savorily
savoring
savorous
savors
savory
savour
savourred
savourer
savourers
savourier
savouries
savouriest
savouring
saviours
savoury
savoy
savoys
savvied
savvies
savvy
savvying
saw
sawbill
sawbills
sawbones
sawboneses
sawbuck
sawbucks
sawdust
sawdusts
sawed
sawer
sawers
sawfish
sawfishes
sawflies
sawfly
sawhorse
sawhorses
sawing
sawlike
sawlog
sawlogs
sawmill
sawmills
sawn
sawney
sawneys
saws
sawteeth
sawtooth
sawyer
sawyers
sax
saxatile
saxes
saxhorn
saxhorns
saxonies
saxony
saxophone
saxophones
saxtuba
saxtubas
say
sayable
sayer
sayers
sayest
sayid
sayids
saying
sayings
sayonara
sayonaras
says
sayst
sayyid
sayyids
scab
scabbard
scabbarded
scabbarding
scabbards
scabbed
scabbier
scabbiest
scabbily
scabbing
scabble
scabbled
scabbles
scabbling
scabby
scabies
scabiosa
scabiosas
scabious
scabiouses
scablike
scabrous
scabs
scad
scads
scaffold
scaffolded
scaffolding
scaffolds
scag
scags
scalable
scalably
scalade
scalades
scalado
scalados
scalage
scalages
scalar
scalare
scalares
scalars
scalawag
scalawags
scald
scalded
scaldic
scalding
scalds
schism
schisms
schist
schists
schizo
schizoid
schizoids
schizont
schizonts
schizophrenia
schizophrenias
schizophrenic
schizophrenics
schizos
schlep
schlepp
schlepped
schlepping
schlepps
schleps
schlock
schlocks
schmaltz
schmaltzes
schmalz
schmalzes
schmalzies
schmalziers
schmalziesta
schmalzy
schmeer
schmeered
schmeering
schmeers
schmelze
schmelzes
schmo
schmoe
schmoes
schmoos
schmoose
schmoosed
schmooses
schmoosing
schmooze
schmoozed
schmoozes
schmoozing
schmoozing
schmuck
schmucks
schnapps
schnaps
schnecke
schnecken
schnook
schnooks
scholar
scholars
scholarship
scholarships
scholastic
scholia
scholium
scholiums
school
schoolboy
schoolboys
schooled
schoolgirl
schoolgirls
schoolhouse
schoolhouses
schooling
schoolmate
schoolmates
schoolroom
schoolrooms
schools
schoolteacher
schoolteachers
schooner
schooners
schorl
schorls
schrik
schriks
schtick
schticks
schuit
schuits
schul
schuln
schuss
schusss
schusses
schussing
schwa
schwas
sciaenid
sciaenids
sciatic
sciatica
sciaticas
sciatics
science
sciences
scientific
scientifically
scientist
scientists
scilicet
scilla
scillas
scimetar
scimetars
scimitar
scimitars
scimiters
scinoid
scinoids
scintillate
scintillated
scintillates
scintillating
scintillation
scintillations
sciolism
sciolisms
sciolist
scioliests
scion
scions
scirocco
sciroccos
scirrhi
scirrhous
scirrhuses
scissile
scission
scissions
scissor
scissored
scissoring
scissors
scolio<wbr/>ma
scoliomas
scollop
scollope<wbr/>d
scollopine<wbr/>ng
scollops
scone
sconced
sconces
sconcing
scone
scones
scoop
scooped
scooper
scoopers
scoopful
scoopfuls
scooping
scoops
scoopsful
scoot
scooted
scooter
scooters
scooting
scoots
scop
scope
scopes
scops
scopula
scopulae
scopulas
scorch
scorched
scorcher
scorcheres
scorches
scorching
score
scored
scoreless
scorepad
scorepads
scorer
scorers
scores
scourings
scours
scouse
scouses
scout
scouted
scouter
scouters
scouth
scouther
scouthered
scouthing
scouthers
scouths
scouting
scoutings
scouts
scow
scowder
scowdered
scowdering
scowders
scowed
scowing
scowl
scowled
scowler
scowlers
scowling
scowls
scows
scrabble
scrabbled
scrabbles
scrabbling
scrabbly
scrag
scragged
scraggier
scraggiest
scragging
scraggier
scraggiest
scraggily
scraggy
scrags
scraich
scraiched
screwiest
screwing
screws
screww
scribal
scribble
scribbled
scribbles
scribbling
scribe
scribed
scriber
scribers
scribes
scribing
scribe
scrieved
scrieves
scrieving
scrim
scrimp
scrimpied
scrimpier
scrimphest
scrimppest
scrimpipin
scrimpipit
scrimpips
scrimpipy
scrimps
scrimp
scrics
scrips
script
scripted
scripting
scripts
scriptural
scripture
scriptures
scrive
scrived
scrides
scriding
scrod
scrods
scrofula
scrofulas
scroggier
scroggiest
scroggy
scroll
scrolls
scrooge
scrooges
scroop
scrooped
scrooping
scroops
scrota
scrotal
scrotum
scrotums
scrouge
scrouged
scrouges
scrouging
scrounge
scrounged
scrounges
scroungier
scroungiest
scrounging
scroungy
scrub
scrubbed
scrubber
scrubbers
scrubbier
scrubbiest
scrubbing
scrubby
scrubs
scruff
scruffier
scruffiest
scruffs
scruffy
scrum
scrum
scrum
scrum
scrunched
scrunches
scrunching
scruple
scrupled
scruples
scrupling
sculpt
sculpted
sculpting
sculptor
sculptors
sculpts
sculptural
sculpture
sculptured
sculptures
sculpturing
scum
scumble
scumbled
scumbles
scumbling
scumlike
scummed
scummer
scummers
scummier
scummy
scumme
scunnel
scunnier
scunner
scunnered
scunnering
scunnering
scummers
scummers
scups
scurf
scurfier
scurfiest
scurfs
scurfy
scurried
scurries
scurril
scurride
scurrilis
scurry
scurrying
scurvier
scurvies
scurviest
scurvily
scurvy
scut
scuta
scutage
scutages
scutate
scutch
scutched
scucher
scutchers
scutches
scutching
scute
scutella
scutes
scuts
scutter
scuttered
scuttering
scutters
scuttle
scutted
scuttes
scutting
scutum
scyphate
scythe
scythed
scythes
scything
sea
seabag
seabags
seabeach
seabeaches
seabed
seabeds
seabird
seabirds
seaboard
seaboards
seaboot
seaboots
seaborne
seacoast
seacoasts
seacock
seacocks
seacraft
seacrafts
seadog
seadogs
seadrome
seadromes
seafarer
seafarers
seafaring
seafarings
seafloor
seafloors
seafood
seafoods
seafowl
seafowls
seafront
seafronts
seagirt
seagoing
seal
sealable
sealant
sealants
sealed
sealer
sealeries
sealers
sealery
sealing
seallike
seals
sealskin
sealskins
seam
seaman
seamanly
seamanship
seamannahip
seamannahips
seamark
seamarks
seamed
seamen
seamer
seamers
seamier
seamiest
seaming
seamless
seamlike
seamount
seamounts
seams
seamster
seamsters
seamstress
seamstresses
seamy
seance
seances
seapiece
seapieces
seaplane
seaplanes
seaport
seaports
seaquake
seaquakes
sear
search
searched
searcher
searchers
searches
searching
searchlight
searchlights
seared
searer
searest
searing
sears
seas
seascape
seascapes
seascout
seascouts
seashell
seashells
seashore
seashores
seasick
seasickness
seasicknesses
seaside
seasides
season
seasonable
seasonably
seasonal
seasonally
seasoned
seasoner
seasoners
seasoning
seasons
seat
seated
seater
seaters
seating
seatings
seatless
seatmate
seatmates
seatrain
seatrains
seats
seatwork
seatworks
seawall
seawalls
seawan
seawans
seawan
seawants
seaward
seawards
seaware
seawares
seawater
seawaters
seaway
seaways
seaweed
seaweeds
seaworthy
sebacic
sebasic
sebum
sebums
sec
secant
secantly
secants
secateur
secateurs
secco
seccos
secede
seceded
seceder
seceders
secedes
seceding
secern
secerned
secerning
secerns
seclude
sealed
seclus
secluding
seclusion
seclusions
second
secondary
secende
seconded
seconder
seconders
secondes
secondhand
secondi
seconding
secondly
secondo
seconds
secpar
secpars
secrecies
secrecy
secret
secretarial
secretariat
secretariats
secretaries
security
sedan
sedans
sedarim
sedate
sedated
sedately
sedater
sedates
sedatest
sedating
sedation
sedations
sedative
sedatives
sedentary
seder
siders
sederunt
sederunts
edge
edges
sedgier
sedgiest
sedgy
sedile
sedilia
sedilium
sediment
sedimentary
sedimentation
sedimentations
sedimented
sedimenting
sediments
sedition
seditious
seduce
seduced
seducer
seducers
seduces
seducing
seductive
seductions
seductive
seely
seem
seemed
seemer
seemers
seeming
seemingly
seemings
seemlier
seemliest
seemly
seems
seen
seep
seepage
seepages
seeped
seepier
seepiest
seeping
seeps
seepy
seer
seeress
seeresses
seers
seersucker
seersuckers
sees
seesaw
seesawed
seesawing
seesaws
seethe
seethed
seethes
seething
segetal
seggar
seggars
segment
segmented
segmenting
segments
segni
segno
segnos
sego
selenide
selenides
selenite
selenites
selenium
seleniums
telenous
self
selfdom
selfdoms
selfed
selfheal
selfheals
selfhood
selfhoods
selfing
selfish
selfishly
selfishness
selfishnesses
selfless
selflessness
selflessnesses
selfness
selfnesses
selfs
selfsame
selfward
sell
sellable
selle
seller
sellers
selles
selling
sellout
sellouts
sells
sels
selsyn
selsyns
seltzer
seltzers
selvage
selvaged
selvages
selvedge
selvedges
sentimentalist
sentimentalists
sentimentalize
sentimentalized
sentimentalizes
sentimentalizing
sentimentally
sentiments
sentinel
sentineled
sentineling
sentinelled
sentinelling
sentinels
sentries
sentry
sepal
sepaled
sepaline
sepalled
sepaloid
sepalous
sepals
separable
separate
separated
separately
separates
separating
separation
separations
separator
separators
sepia
sepias
sepic
sepoy
sepoys
seppuku
seppukus
sepses
sepsis
sept
septa
septal
septaria
septate
september
seracs
seraglio
seraglidos
serai
serail
serails
serais
seral
serape
serapes
seraph
seraphic
seraphim
seraphims
seraphin
seraphs
serdab
serdabs
sere
sered
ser ein
sereins
serenade
serenaded
serenades
serenading
serenata
serenatas
serenate
serendipitous
serendipity
serene
serenely
serener
serenes
serenest
serenities
serenity
serer
seres
serest
serf
serfage
serfages
serfdom
serfdoms
serfhood
serfhoods
shairds
shairn
shairns
shaitan
shaitans
shakable
shake
shaken
shakeout
shakeouts
shaker
shakers
shakes
shakeup
shakeups
shakier
shakiest
shakily
shakiness
shakinesses
shaking
shako
shakoes
shakos
shaky
shale
shaled
shales
shalier
shaliest
shall
shalloon
shalloons
shallop
shallops
shallot
shallots
shallow
shallowed
shallower
shallowest
shallowing
shallows
shalom
shalt
shaly
sham
shamable
shaman
shamanic
shamans
shamble
shambled
shambles
shambling
shame
shamed
shamefaced
shameful
shamefully
shameless
shamelessly
shames
shaming
shammas
shammash
shammashim
shammashim
shammed
shammer
shammers
shammes
shammied
shammies
shamming
shammos
shammosim
shammy
shammying
shamois
shamosim
shamoy
shamoyed
shamoying
shamoys
shampoo
shampooed
shampooing
shampoos
shamrock
shamrocks
shams
shamus
shamuses
shandies
shandy
shanghai
shanghaied
shanghaing
shanghais
shank
shanked
shanking
shanks
shantey
shanteys
shanti
shanties
shantih
shanthis
shantis
shantung
shantungs
shanty
shapable
shape
shaped
shapeless
shapelier
shapeliest
shapely
shapen
shaper
shapers
shapes
shapeup
shapeups
shaping
sharable
shard
shards
share
sharecrop
sharecrops
sharecropper
sharecroppers
sharecrops
shared
shareholder
shareholders
sharer
sharers
shares
sharif
sharifs
sharing
shark
sharked
sharker
sharkers
sharking
sharks
sharn
sharns
sharny
sharp
sharped
sharpen
sharpened
sharpened
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
sharpening
sharps
sharper
sharpers
sharpest
sharpie
sharpies
sharpening
sharply
sharpen
sharpen
d
sharpened
sharpeners
sharpening
shauling
shauls
shavable
shave
shaved
shaven
shaver
shavers
shaves
shavie
shavies
shaving
shavings
shaw
shawed
shawing
shawl
shawled
shawling
shawls
shawm
shawms
shawn
shaws
shay
shays
she
shea
sheaf
sheafed
sheafing
sheafs
sheal
shealing
shealings
sheals
shear
sheared
shearer
shearers
shearing
shears
sheas
sheath
sheathe
sheathed
sheather
sheathers
sheathes
sheathing
sheaths
sheave
sheaved
sheaves
sheaving
shebang
shebangs
shebean
shebeans
shebeen
shebeens
shed
shedable
shedded
sheder
shelders
shedding
sheds
sheen
sheened
sheeney
sheeneys
sheenful
sheenie
sheenier
sheenies
sheeniest
sheening
sheens
sheeny
sheep
sheepdog
sheepdogs
sheepish
sheepman
sheepmen
sheepskin
sheepskins
sheer
sheered
sheerer
sheerest
sheering
sheerly
sheers
sheet
sheeted
sheeter
sheeters
sheetfed
sheeting
sheetings
sheets
sheeve
sheeves
shegetz
sheik
sheikdom
sheikdoms
sheikh
sheikdom
sheikdoms
sheikhs
sheiks
sheitan
sheitans
shekel
shekels
shelduck
shelducks
shelf
shelfful
shelffuls
shell
shellac
shellack
shellacked
shellacking
shellackings
shellacks
shellacs
shelled
sheller
shellers
shellfish
shellfishes
shellier
shelliest
shelling
shells
shelly
shelter
sheltered
sheltering

Open Source Used In CSPC_Collector 2.9.1 24281
shelters
sheltie
shelties
shelty
shelve
shelved
shelver
shelvers
shelves
shelvier
shelviest
shelving
shelvings
shelvy
shenanigans
shend
shending
shends
shent
sheol
sheols
shepherd
shepherded
shepherdess
shepherdesses
shepherdning
shepherds
sherbert
sherberts
sherbet
sherbets
sherd
sherdss
shereef
shereefs
sherif
sheriff
sheriffs
sheriffs
sherlock
sherlocks
sherooot
sherooots
sherries
sherrises
sherry
shes
shetland
shetlands
sheuch
sheuchs
sheugh
sheughs
shew
shewed
shewer
shewers
shewing
shewn
shews
shh
shibah
shibahs
shicksa
shicksas
shied
shiel
shield
shielded
shilder
shilders
shielding
shields
shieling
shielings
shiels
shier
shiers
shies
shiest
shift
shifted
shifter
shifters
shiftier
shiftiest
shiftily
shifting
shiftless
shiftlessness
shiftlessnesses
shifts
shifty
shigella
shigellae
shiner
shiners
shines
shingle
shingled
shingler
shinglers
shingles
shingling
shingly
shinier
shiniest
shinily
shining
shinleaf
shinleafs
shinleaves
shinned
shinneries
shinnery
shinney
shinneys
shinnied
shinnies
shinning
shinny
shinnying
shins
shiny
ship
shipboard
shipboards
shipbuilder
shipbuilders
shiplap
shiplaps
shipload
shiploads
shipman
shipmate
shipmates
shipmen
shipment
shipments
shipped
shippen
shippens
shipper
shippers
shipping
shippings
shippon
shippons
ships
shipshape
shipside
shipsides
shipway
shipways
shipworm
shipworms
shipwreck
shipwrecked
shipwrecking
shipwrecks
shipyard
shipyards
shire
shires
shirk
shirked
shirker
shirkers
shirking
shirks
shirr
shirred
shirring
shirrings
shirrs
shirt
shirtier
shirtiest
shirting
shirtings
shirtless
shirts
shirty
shist
shists
shit
shits
shittah
shittahs
shitted
shittim
shodden
shoddier
shoddiest
shoddily
shoddiness
shoddinesses
shoddy
shoe
shoebill
shoebills
shoed
shoehorn
shoehorned
shoehorning
shoehorns
shoeing
shoelace
shoelaces
shoemaker
shoemakers
shoepac
shoepack
shoepacks
shoepacs
shoer
shoers
shoes
shoetree
shoetrees
shofar
shofars
shofroth
shog
shogged
shoggings
shogs
shogun
shogunal
shoguns
shoji
shojis
sholom
shone
shoo
shooed
shooflies
shoofly
shorebirds
shored
shoreless
shores
shoring
shorings
shorl
shorls
shorn
short
shortage
shortages
shortcake
shortcakes
shortchange
shortchanged
shortchanges
shortchanging
shortcoming
shortcomings
shortcut
shortcuts
shorted
shorten
shortened
shortening
shortens
shorter
shortest
shorthand
shorthand
shortia
shortias
shortie
shorties
shorting
shorting
shortish
shortliffe
shortly
shortness
shortnesses
shorts
shortsighted
shorty
shot
shote
shotes
shotgun
shotgunned
shotgunning
shotguns
shots
shott
shotted
shotten
shooting
shotts
should
shoulder
shouldered
shouldering
shoulders
shouldest
shouldst
shout
shouted
shouter
shouters
shouting
shouts
shove
shoved
shovel
shoveled
shoveler
shovelers
shoveling
shovelled
shovelling
shovels
shover
shovers
shoves
shoving
show
showboat
showboats
showcase
showcased
showcases
showcasing
showdown
showdowns
showed
shower
showered
shrieks
shrieky
shrieval
shriev
shrieved
shrieves
shrieving
shrift
shrifts
shrike
shrikes
shrill
shrilled
shriller
shrillest
shrilling
shrills
shrilly
shrimp
shrimped
shrimper
shrimpers
shrimpier
shrimpiest
shrimping
shrimps
shrimpy
shrine
shrined
shrines
shrining
shrink
shrinkable
shrinkage
shrinkages
shrinker
shrinkers
shrinking
shrinks
shris
shrive
shrived
shrivel
shriveled
shrivelng
shrivelled
shrivelling
shrivels
shriven
shriver
shrivers
shrives
shriving
shroff
shroffed
shroffing
shroffs
shroud
shrouded
shrouding
shrouds
shrove
shrub
shrubberies
shrubber
shubbier
shubbiest
shubby
shrubs
shrug
shrugged
shrugging
shrugs
shrunk
shrunken
shtetel
shtetl
shtetlach
shtick
shticks
shuck
shucked
shucker
shuckers
shucking
shuckings
shucks
shudder
shuddered
shuddering
shudders
shuddery
shuffle
shuffleboard
shuffleboards
shuffled
silentest
silently
silents
silenus
silesia
silesias
silex
silexes
silhouettet
silhouettes
silhouetting
silica
silicas
silicate
silicates
silicic
silicide
silicides
silicified
silicifies
silicify
silicifying
silicium
siliciums
silicle
silicles
silicon
silicone
silicones
silicons
siliqua
siliquae
silique
siliques
silk
silked
silken
silkier
silkiest
silkily
silkling
silklike
silks
silkweed
silkweeds
silkworm
silkworms
silky
sill
sillabub
sillabubs
siller
sillers
sillibib
sillibibs
sillier
sillies
silliest
sillily
silliness
sillinesses
sills
silly
silo
siloed
siloing
silos
siloxane
siloxanes
silt
sitled
siltier
silliest
silting
silts
silty
silurid
silurids
siluroid
siluroids
silva
silvae
silvan
silvans
silvas
silver
silvered
silverer
silverers
silvering
silverly
silvern
silvers
silverware
silverwares
silvery
silvical
silvics
sim
sima
simar
simars
simaruba
simarubas
simas
simazine
simazines
simian
simians
similar
similarities
similarity
similarly
simile
similes
similitude
similitudes
simioid
simious
simitar
simitars
simlin
simlins
simmer
simmered
simmering
simmers
sinnel
sinnels
simoleon
simoleons
simoniac
simoniacs
simonies
simonist
simonists
simonize
simonized
simonizes
simonizing
simony
simoom
simooms
simoon
simoons
simp
simper
simpered
simperer
simperers
simpering
simpers
simple
simpleness
simplenesses
simpler
simples
simplest
simpleton
simpletons
simplex
simplexes
simplices
simplicia
simplicities
simplicity
simplification
simplifications
simplified
simplifies
simplify
simplifying
simplism
simplisms
simply
simps
sims
simulant
simulants
simular
simulars
simulate
simulated
simulates
simulating
simulation
simulations
simultaneous
simultaneously
simultaneousness
simultaneousnesses
sin
sinapism
sinapisms
since
sincere
sincerely
sincerer
sincerest
sincerities
sincerity
sincipita
sinciputs
sine
sincure
sinecures
sines
sinew
sinewed
sinewing
sinews
sinewy
sinfonia
sinfonie
sinful
sinfully
sing
singable
singe
singed
singeing
singer
singers
singes
singing
single
singled
singleness
singlenesses
singles
singlet
singlets
singling
singly
sings
singsong
singsongs
singular
singularities
singularity
singularly
singles
sinh
sinhs
sinicize
sinicized
sinicizes
sinicizing
sinister
sink
sinkable
sinkage
sinkages
sinker
sinkers
sinkhole
sinkholes
sinking
sinks
sinless
sinned
sinner
sinners
sinning
sinologies
sinology
sinopia
sinopias
sinopie
sins
sinsyne
sinter
sintered
sintering
sinters
sinuate
sinuated
sinuates
sinuating
sinuous
sinuousities
sinuousity
sinuously
sinus
sinuses
sinusoid
sinusoids
sip
sipe
siped
sipes
siphon
siphonal
siphoned
siphonic
siphoning
siphons
siping
sipped
sipper
sippers
sippet
sippets
sipping
sips
sir
sirdar
sirdars
sire
sired
siree
sirees
siren
sirenian
sirenians
sirens
sires
siring
sirloin
sirloins
sirocco
siroccos
sirra
sirrah
sirrahs
sirras
sirree
sirrees
sirs
sirup
sirups
sirupy
sirvente
sirventes
situations
situs
situses
sitzmark
sitzmarks
siver
sivers
six
sixes
sixfold
sixmo
sixmos
sixpence
sixpences
sixpenny
sixte
sixteen
sixteens
sixteenth
sixteenths
sixtes
sixth
sixthly
sixths
sixties
sixtieth
sixtieths
sixty
sizable
sizably
sizar
sizars
size
sizeable
sizeably
sized
sizer
sizers
sizes
sizier
siziest
siziness
sizinesses
sizing
sizings
sizy
sizzle
sizzled
skipjack
skipjacks
skipplane
skiplanes
skipped
skipper
skippered
skippering
skippers
skippet
skippets
skipping
skips
skirl
skirled
skirling
skirls
skirmish
skirmished
skirmishes
skirmishing
skirr
skirred
skirret
skirrets
skirring
skirrs
skirt
skirted
skirter
skirters
skirting
skirtings
skirts
skis
skit
skite
skited
skites
skiting
skits
skitter
skittered
skitterier
skitteriest
skittering
skitters
skittery
skittish
skittle
skittles
skive
skived
skiver
skivers
skives
skiving
skivvies
skivvy
skiwear
skiwears
sklent
sklented
sklenting
sklents
skoal
skoaled
skoaling
skoals
skookum
skreegh
skreeghed
skreeghing
skreeghs
skreigh
skreighed
skreighing
skreighs
skua
skuas
skulk
skulked
skulker
skulkers
skulking
skulks
skull
skullcap
skullcaps
skulled
skulls
skunk
skunked
skunking
skunks
sky
skyborne
skycap
skycaps
skydive
skydived
skydiver
skydivers
skydives
skydiving
skydove
skied
skyey
skyhook
skyhooks
skying
skyjack
skyjacked
skyjacking
skyjacks
skylark
skylarked
skylarking
skylarks
skylight
skylights
skyline
skylines
skyman
skymen
skyphoi
skyphos
skyrocket
skyrocketed
skyrocketing
skyrockets
skysail
skysails
skyscraper
skyscrapers
skyward
skywards
skyway
skyways
skywrite
skywrites
skywriting
skywritten
skywrote
slab
slabbed
slabber
slabbered
slabbering
slabbers
slabbery
slabbing
slabs
slack
slackled
slacken
slackened
slackening
slackens
slack
slack
slacker
slackers
slackest
slacking
slackly
slackness
slacknesses
slacks
slag
slagged
slaggier
slaggiest
slagging
slaggy
slag
slain
slakable
slake
slaked
slaker
slakers
slakes
slaking
slalom
slalomed
slaloming
slaloms
slam
slammed
slamming
slams
slander
slandered
slanderer
slanderers
slandering
slanderous
slanders
slang
slanged
slangierte
slangiest
slangily
slanging
slangs
slangy
slank
slant
slanted
slanting
slants
slap
slapdash
slapdashes
slapjack
slapjacks
slapped
slapper
slappers
slapping
slaps
slash
slashed
slasher
slashers
slashes
slashings
slat
slatch
slatches
slate
slated
slater
slaters
slates
slather
slathered
slathering
slathers
slatier
slipway
slipways
slit
slither
slithered
slithering
slithers
slithery
slitless
slits
slitted
slitter
slitters
slitting
sliver
slivered
sliverer
sliverers
slivering
slivers
slivovic
slivovics
slob
slobber
slobbered
slobbering
slobbers
slobbery
sloppy
slosh
sloshes
slog
slogan
slogans
slogged
slogger
sloggers
slogging
slogs
sloid
sloid
sloids
slojd
slojds
sloop
sloops
slop
slope
sloped
sloper
slopers
slopes
sloping
slopped
sloppier
sloppiest
sloppily
slopping
sloppy
slops
slopwork
slopworks
slosh
sloshed
sloshes
sloshier
sloshiest
sloshing
sloshy
slot
slotback
slotbacks
sloth
slothful
sloths
slots
slotted
slotting
slouch
slouched
sloucher
slouchers
slouches
slouchier
slouchiest
slouching
slouchy
slough
sloughed
sloughier
sloughiest
sloughing
sloughs
sloughy
sloven
slovenlier
sluggards
slugged
slugger
sluggers
slugging
sluggish
sluggishly
sluggishness
sluggishnesses
slugs
sluice
sluiced
sluices
sluicing
sluicy
sluing
slum
slumber
slumbered
slumbering
slumbers
slumbery
slumgum
slumgums
slumlord
slumlords
slummed
slummer
slummers
slummerier
slummiest
slumming
slummy
slump
slumped
slumping
slumps
slums
slung
slunk
slur
slurb
slurban
slurbs
slurp
slurped
slurping
slurps
slurred
slurried
slurries
slurring
slurry
slurrying
slurs
slush
slushed
slushes
slushier
slushiest
slushily
slushing
slushy
slut
sluts
sluttish
sly
slyboots
slyer
slyest
slyly
slyness
slynesses
slype
slypes
smack
smacked
smacker
smackers
smacking
smacks
small
smallage
smallages
smaller
smallest
smallish
smallness
smallnesses
smallpox
smallpoxes
smalls
smalt
smalti
smaltine
smaltines
smaltite
smalites
smalto
smaltos
smalts
smaragd
smaragde
smaragdes
smaragds
smarm
smarmier
smarmiest
smarms
smarmy
smart
smarted
smarten
smartened
smartening
smartens
smarter
smartest
smartie
smarties
smarting
smartly
smartness
smartnesses
smarts
smarty
smash
smashed
smasher
smashers
smashes
smashing
smashup
smashups
smatter
smattered
smattering
smatterings
smatters
smaze
smazes
smear
smeared
smearer
smearers
smearier
smeariest
smearing
smears
smeary
smectic
smeddum
smeddums
smeek
smeeked
smeeking
smeeks
smegma
smegmas
smell
smelled
smeller
smellers
smeller
smelliest
smelling
smells
smelly
smelt
smelted
smelter
smelteries
smelters
smeltery
smelting
smelts
smerk
smerked
smerking
smerks
smew
smews
smidgen
smidgens
smidgeon
smidgeons
smidgin
smidgins
smilax
smilaxes
smile
smiled
smiler
smilers
smiles
smiling
smirch
smirched
smirches
smirching
smirk
smirked
smirker
smirkers
smirkier
smirkiest
smirking
smirks
smirky
smit
smite
smiter
smiters
smites
smith
smitheries
smithery
smithies
smiths
smithy
smiting
smitten
smock
smocked
smocking
smockings
smocks
smog
smogger
smoggiest
smoggy
smogless
smogs
smokable
smoke
smoked
smokeless
smokepot
smokepots
smoker
snafus
snag
snagged
snaggier
snaggliest
snagging
snaggy
snaglike
snags
snail
snailed
snailing
snails
snake
snaked
snakes
snakier
snakiest
snakily
snaking
snaky
snap
snapback
snapbacks
snapdragon
snapdragons
snapless
snapped
snapper
snappers
snappier
snappiest
snappily
snapping
snappish
snappy
snaps
snapshot
snapshots
snapshotted
snapshooting
snapweed
snapweeds
snare
snared
snarer
snarers
snares
sneaps
sneck
snecks
sneq
sneqed
sneqedding
sne墨西q
sneer
sneered
sneerer
sneerers
sneerful
sneering
sneers
sneesh
sneeeshes
sneeze
sneezed
sneezer
sneezers
sneezes
sneezier
sneeziest
sneezing
sneezy
snell
sneller
snellest
snells
snib
snibbed
snibbing
snibs
snick
snicked
snicker
snickered
snickering
snickers
snickery
snicking
snicking
snicks
snide
snidely
snider
snidest
sniff
sniffed
snit
snitch
snitched
snitcher
snitchers
snitches
snitching
snits
snivel
sniveled
sniveler
snivelers
sniveling
snivelled
snivelling
snivils
sno
snoberies
snoberies
snobery
snofter
snoftiest
snoffily
snoffish
snoffishly
snoffishness
snoffishnesses
snoffism
snoffisms
snoony
snoo
snooed
snooing
snoods
snook
snooked
snooker
snookers
snooking
snooks
snool
snooled
snooiling
snools
snoop
snoopled
snoope
snooper
snoopers
snotty
snout
snouted
snoutier
snoutiest
snouting
snoutish
snouts
snouty
snow
snowball
snowballed
snowballing
snowballs
snowbank
snowbanks
snowbell
snowbells
snowbird
snowbirds
snowbush
snowbushes
snowcap
snowcaps
snowdrift
snowdrifts
snowdrop
snowdrops
snowed
snowfall
snowfalls
snowflake
snowflakes
snowier
snowiest
snowily
snowing
snowland
snowlands
snowless
snowlike
snowman
snowmelt
snowmelts
snowmen
snowpack
snowpacks
snowplow
snug
snugged
snugger
snuggeries
snuggery
snuggest
snugger
snuggeries
snugs
snye
snyes
so
soak
soakage
soakages
soaked
soaker
soakers
soaking
soaks
soap
soapbark
soapbarks
soapbox
soapboxes
soaped
soapier
soapiest
soapily
soaping
soapless
soaplike
soaps
soapsuds
soapwort
soapworts
soapy
soar
soared
soarer
soarers
soaring
socializing
socially
socials
societal
societies
society
sociological
sociologies
sociologist
sociologists
sociology
sock
socked
socket
socketed
socketing
sockets
sockeye
sockeyes
socking
sockman
sockmen
socks
socle
socles
soeman
socmen
sod
soda
sodiless
sodalist
sodalists
sodalite
sodalites
sodalities
sodality
sodamide
sodamides
sodas
sodded
sodden
soddened
soddening
soddently
soddens
soddies
sodding
soddy
solecize
solecized
solecizes
solecizing
soled
soleless
solely
solemn
solemner
solemnest
solemnly
solemnness
solemnnesses
soleness
solenesses
solenoid
solenoids
soleret
solerets
soles
solfege
solfeges
solfeggi
sogl
soli
solicit
solicitation
solicited
soliciting
solicitor
solicitors
solicitous
solicits
solicitude
solicitudes
solid
solidago
solidagos
solidarities
solidarity
solidary
solider
soldest
solidi
solidification
solidifications
solidified
solidifies
songbird
songbirds
songbook
songbooks
songfest
songfests
songful
songless
songlike
songs
songster
songsters
sonic
sonicate
sonicated
sonicates
sonicating
sonics
sonless
sonlike
sonly
sonnet
sonneted
sonneting
sonnets
sonneted
sonneting
sonnies
sonny
sonorant
sonorants
sonorities
sonority
sonorous
sonovox
sonovoxes
sons
sonship
sonships
sonsie
sonsier
sonsiest
sonsy
soochong
soochongs
sooey
soon
sooner
sopited
sopites
sopiting
sopor
soporific
sopors
sopped
soppier
soppiest
sopping
sopy
soprani
sopranos
sops
sora
soras
sorb
sorbable
sorbate
sorbates
sorbed
sorbent
sorbents
sorbet
sorbets
sorbic
sorbing
sorbitol
sorbitols
sorbose
sorboses
sorbs
sorcerer
sorcerers
sorceress
sorceresses
sorceries
sorcery
sord
sordid
sordidly
sordidness
sordidnesses
sordine
sordines
sordini
sordino
sords
sore
sorehead
soreheads
sorel
sorels
sorely
soren
sorenness
sorennesses
sorer
sores
sorest
sorgho
sorghos
sorghum
sorghums
sorgo
sorgos
sori
soricine
sorites
soritic
sorn
sorned
sorner
sorners
sorning
sorns
soroche
soroches
sororal
sororate
sororates
sororities
sorority
soroses
sorosis
sorosises
sorption
sorptions
sorptive
sorrel
sorrels
sorrer
sorriest
sorriely
sorrow
sorrowed
soulful
soulfully
soulless
soullike
souls
sound
soundbox
soundboxes
sounded
sounnder
sounderers
soundest
sounding
soundings
soundly
soundness
soundnesses
soundproof
soundproofed
soundproofing
soundproofs
sounds
soup
soupcon
soupcons
souped
soupier
soupiest
souping
soups
soupy
sour
sourball
sourballs
source
sources
sourdine
sourdines
soured
sourer
sourest
souring
sourish
sourly
sourness
sournesses
sourpuss
sourpusses
sours
soursop
soursops
sourwood
sourwoods
sous
souse
soused
souses
sousing
soutache
soutaches
soutane
soutanes
souter
souters
south
southeast
southeastern
southeasters
southead
souther
southerly
southern
southernmost
southerns
southernward
southernwards
southers
southing
soutings
southpaw
southpaws
southron
southrons
souths
southwest
southwesterly
southwestern
southwests
souvenir
souvenirs
sovereign
sovereigns
sovereignties
sovereignty
soviet
soviet
spalling
spalls
spalpeen
spalpeens
span
spancel
spanceled
spanceling
spancelled
spancelling
spancels
spandrel
spandrels
spandril
spandrils
spang
spangle
spangled
spangles
spanglier
spangliest
spangling
spangly
spaniel
spaniels
spank
spanked
spanker
spankers
spanking
spankings
spanks
spanless
spanned
spanner
spanners
spanning
spans
spanworm
spanworms
spar
sparable
sparables
spare
spared
sparely
sparer
sparerib
spareribs
sparers
spares
sparest
sparge
sparged
sparger
spargers
sparges
sparging
sparid
sparids
sparing
sparingly
spark
sparked
sparker
sparkers
sparkier
sparkiest
sparkily
sparking
sparkish
sparkle
sparkled
sparkler
sparklers
sparkles
sparkling
sparks
sparky
sparlike
sparling
sparlings
sparoid
sparoids
spared
sparrier
sparriest
sparring
sparrow
sparrows
sparry
spars
sparse
sparser
sparsely
sparsor
sparsest
specified
specifies
specify
specifying
specimen
specimens
specious
speck
specked
specking
speckle
speckled
speckles
speckling
specks
specs
spectacle
spectacles
spectacular
spectate
spectated
spectates
spectating
spectator
spectators
specter
specters
spectra
spectral
spectre
spectres
spectrum
spectrums
specula
specular
speculate
speculated
speculates
speculating
speculation
speculations
speculative
speculator
speculators
speculum
speculums
sped
speech
spellers
spelling
spellings
spells
spelt
spelter
spelters
spelts
speltz
speltzes
spelunk
spelunked
spelunking
spelunks
spence
spencer
spencers
spences
spend
spender
spenders
spending
spends
spendthrift
spendthrifts
spent
sperm
spermaries
spermary
spermic
spermine
spermines
spermous
sperms
spew
spewed
spewer
spewers
spewing
spews
sphagnum
sphagnums
sphene
sphenes
sphenic
sphenoid
sphenoids
spheral
sphere
sphered
spheres
spheric
spherical
spherics
spherier
sphericst
sphering
spheroid
spheroids
spherule
spheres
sphery
sphinges
sphingid
sphingids
sphinx
sphinxes
sphygmic
sphygmus
sphygmuses
spic
spica
spicae
spicas
spicate
spicated
spicato
spicatos
spice
spiced
spicer
spiceries
spicers
spicery
spices
spicey
spicier
spiciest
spicily
spicing
spick
spicks
spics
spicula
spiculae
spicular
spicule
spicules
spiculum
spicy
spider
spiderier
spideriest
spiders
spidery
spied
spiegel
spiegels
spiel
spieled
spieler
spieler
spieler
spieler
spieler
spieler
spieler
spieler
spieler
spier
spiered
spiering
spiers
spies
spiflier
spifliest
spiffily
spiffing
spiffy
spigot
spigots
spik
spike
spiked
spikelet
spikelets
spiker
spikers
spikes
spikier
spikiest
spikily
spiking
spiks
spiky
spile
spiled
spiles
spillkin
spinifexes
spinless
spinner
spinneries
spinners
spinnery
spinney
spinneys
spinneys
spinning
spinnings
spinny
spinoff
spinoffs
spinor
spinors
spinose
spinous
spinout
spinouts
spins
spinsters
spinula
spinulae
spinule
spinules
spinwriter
spiny
spiracle
spiracles
spiraea
spiraeas
spiral
spiraled
spiraling
spiralled
spiralling
spirally
spirals
spirant
spirants
spire
spirea
spireas
spired
spirem
spireme
spiremes
spirems
spires
spirilla
spiring
spirit
spirited
spiriting
spiritless
spirits
spiritual
spiritualism
spiritualisms
spiritualist
spiritualistic
spiritualists
spiritualities
spirituality
spiritually
spirituals
spiroid
spirt
spirted
spirting
spirts
spirula
spirulae
spirulas
spiry
spit
spital
spitals
spitball
spitballs
spite
spited
spiteful
spitefuller
spitefullest
spitefully
spites
spitfire
spitfires
spiting
spits
spitted
spitter
spitters
spode
spodes
spoil
spoilage
spoilages
spoiled
spoiler
spoilers
spoilings
spois
spoil
spoke
spoked
spoken
spokes
spokesman
spokesmen
spokeswoman
spokeswomen
spoking
spoliate
spoliated
spoliates
spoliating
spondaic
spondaics
spondee
spondees
sponge
sponged
sponger
spongers
sponges
sponger
spongiest
spongily
spongin
sponging
spongins
spongy
sponsal
sponsion
sponsions
sponson
sponsons
sponsor
sponsored
sponsoring
sponsors
sponsorship
sponsorships
spontaneities
spontaneity
spontaneous
spontaneously
spontoon
spontoons
spoof
spoofed
spoofing
spoofs
spook
spooked
spookier
spookiest
spookily
spooking
spookish
spooks
spooky
spool
spooled
spooling
spools
spoon
spooned
spooney
spoonys
spoonful
spoonfuls
spoonier
spoonies
spooniest
spoonily
spooning
spoons
spoonsful
spoony
spoor
spoorer
spooking
spooks
sporadic
sporadically
sporal
spore
sprent
sprier
spriest
sprig
sprigged
sprigger
spriggers
spriggier
spriggiest
sprigging
spriggy
spright
sprightliness
sprightlinesses
sprightly
sprights
sprigs
spring
springal
springals
springe
springed
springeing
springer
springers
springes
springier
springiest
springing
springs
springy
sprinkle
sprinkled
sprinkler
sprinklers
sprinkles
sprinkling
sprint
sprinted
sprinter
sprinters
sprinting
sprints
sprit
sprite
sprites
sprits
sprocket
sprockets
sprout
sprouted
sprouting
sprouts
spruce
spruced
sprucely
sprucer
spruces
sprucest
sprucier
spruciest
sprucing
sprucy
sprue
sprues
sprug
sprugs
sprung
spry
spryer
spryst
spryly
spryness
sprynesses
spud
spudded
spudder
spudders
spudding
spuds
spue
spued
spues
spuing
spume
spumed
spumes
spumier
spumiest
spuming
spumone
spumones
spumoni
spumonies
spumous
spumy
spun
spunk
spunked
spunkie
spunkier
spunkies
spunkiest
spunkily
spunking
spunks
spunky
spur
spurgall
spurgalled
spurgalling
spurgalls
spurge
spurges
spurious
spurn
spurned
spurner
spurners
spurning
spurns
spurred
spurrer
spurriers
spurries
spurring
spurry
spurs
spurt
spurted
spurted
spurtling
spurtle
spurtles
spurts
sputa
sputnik
sputniks
sputter
sputtered
sputtering
squeal
squealed
squealer
squealers
squealing
squeals
squeamish
squegee
squeeged
squeegeing
squegees
squeezed
squeezed
squeezes
squeeze
squeezing
squeg
squeeged
squeegging
squegs
squelch
squelched
squelches
squelchier
squelchiest
squelching
squelchy
squib
squibbed
squibbing
squibs
squid
squidded
squidding
squids
squiffed
squiffy
squiggle
squiggled
squiggles
squigglier
squiggliest
squiggling
squiggly
squilgee
squilgeed
squilgeeing
squilgees
squill
squilla
squillae
squillas
squills
squinch
squinchéd
squinches
squinching
squinnied
squinnier
squinnies
squinniest
squinný
squinnýing
squint
squinted
squinter
squinters
squintest
squintier
squintiest
squinting
squints
squinty
squire
squired
squireen
squireens
squires
squiring
squirish
squirm
squirmed
squirmer
squirmers
squirmier
squirmiest
squirming
squirms
squirmý
squirrel
squirreléd
squirreling
squirrelled
squirrelling
squirrels
staked
stakeout
stakeouts
stakes
staking
stalactite
stalactites
stalag
stalagmite
stalagmites
stalags
stale
staled
staley
stalemate
stalemated
stalemates
stalemating
staler
stales
stalest
staling
stalinism
stalk
stalked
stalker
stalkers
stalkier
stalkiest
stalkily
stalking
stalks
stalky
stall
stalled
stalling
stallion
stallions
stalls
stalwart
stalwarts
stamen
stamens
stamina
staminal
staminas
stammel
stammels
standouts
standpat
standpoint
standpoints
stands
standstill
standup
stane
staned
stanes
stang
stanged
stanging
stangs
stanhope
stanhopes
staning
stank
stanks
stannaries
stannary
stannic
stannite
stannites
stannous
stannum
stannums
stanza
stanzaed
stanzaic
stanzas
stapedes
stapelia
stapelias
stapes
staph
staphs
staple
stapled
stapler
staplers
staples
stapling
star
starboard
starboards
starch
starched
starches  
starchier  
starchiest  
starching  
starchy  
stardom  
stardoms  
stardust  
stardusts  
stare  
stared  
starer  
starers  
stares  
starets  
starfish  
starfishes  
stargaze  
stargazed  
stargazes  
stargazing  
staring  
stark  
starker  
starkest  
starkly  
starless  
starlet  
starlets  
starlight  
starlights  
starlike  
starling  
starlings  
starlit  
starlike  
starlits  
starmed  
starmer  
starming  
starred  
starrier  
starriest  
starring  
starry  
stars  
start  
started  
starter  
starters  
starting
startle
startled
startler
startlers
startles
startling
starts
starts
startly
starvation
starvations
starve
starved
starver
starvers
starves
starving
starwort
starworts
stases
stash
stashed
stashes
stashing
stasima
stasimon
stasis
statable
statal
statant
state
stated
statedly
statehood
statehoods
statelier
stateliest
stateliness
statelinesses
stately
statement
statements
stater
stateroom
staterooms
staters
states
statesman
statesmanlike
stelene
steles
stelic
stella
stellar
stellas
stellate
stellified
stellifies
stellify
stellifying
stem
stemless
stemlike
stemma
stemmas
stemmata
stemmed
stemmer
stemmeries
stemmers
stemmetry
stemmier
stemmiest
stemming
stemmy
stems
stemson
stemsons
stemware
stemwares
stench
stanches
stenchier
stenchiest
stenchy
stencil
stenciled
stenciling
stencilled
stencilling
stencils
stengah
stengahs
steno
stenographer
stenographers
stenographic
stenography
stenos
stenosed
stenoses
stenosis
stenotic
stentor
stentorian
stentors
step
stepdame
stepdames
stepladder
stepladders
steplike
steppe
stepped
stepper
steppers
steppes
stepping
steps
stepson
stepsions
stepwise
stere
stereo
stereood
stereooning
stereophonic
stereos
stereotype
stereotyped
stereotypes
stereotyping
steres
steric
sterical
sterigma
sterigmias
sterigmata
sterile
sterilites
sterility
sterilization
sterilizations
sterilize
sterilized
sterilizer
sterilizers
sterilizes
sterilizing
sterlet
sterlets
sterling
sterlings
stern
sterna
sternal
sterner
sternest
sternite
sternites
sternly
sternness
sternnesses
sterns
sternson
sternsons
sternum
sternums
sternway
sternways
steroid
steroids
sterol
sterols
stertor
stertors
stet
stethoscope
stethoscopes
stets
stetson
stetsons
stetted
stetting
stevedore
stevedores
stew
steward
stewarded
stewardess
stewardesses
stewarding
stewards
stewardship
stewardships
stewbum
stewbums
stewed
stewing
stewpan
stewpans
stews
stey
sthenia
sthenias
sthenic
stibial
stibine
stibines
stibium
stibiums
stibnite
stibnites
stich
stichic
stichs
stick
sticked
sticker
stickers
stickful
stickfuls
stickier
stickiest
stickily
sticking
stickit
stickle
stickled
stickler
sticklers
stickles
stickling
stickman
stickmen
stickout
stickouts
stickpin
stickpins
sticks
stickum
stinkards
stinkbug
stinkbugs
stinker
stinkers
stinkier
stinkiest
stinking
stinko
stinkpot
stinkpots
stinks
stinky
stint
stinted
stinter
stinters
stinting
stints
stipe
stiped
stipel
stipels
stipend
stipends
stipes
stipites
stipple
stippled
stippler
stipplers
stipples
stippling
stipular
stipulate
stipulated
stipulates
stipulating
stipulation
stipulations
stipule
stipuled
stipules
stir
stirk
stirks
stirp
stirpes
stirps
stirred
stirrer
stirrers
stirring
stirrup
stirrups
stirs
stitch
stitched
stitcher
stitchers
stitches
stitching
stithied
stithies
stithy
stithying
stiver
stivers
stoa
stoaee
stoaee
stoaas
stoaat
stoats
stob
stobbed
stobbing
stobs
stoccado
stoccados
stoccatas
stoccata
stoccatas
stock
stockade
stockaded
stockades
stockading
stockcar
stockcars
stocked
stocker
stockers
stockier
stockiest
stockily
stocking
stockings
stockish
stockist
stockists
stockman
stockmen
stockpile
stockpiled
stockpiles
stockpiling
stockpot
stockpots
stocks
stocky
stockyard
stockyards
stodge
stodged
stodges
stodger
stodgiest
stodgily
stodging
stodgy
stogey
stogeys
stogie
stogies
stogy
stolic
stoical
stoically
stoicism
stoicisms
stoics
stoke
stoked
stoker
stokers
stokes
stokesia
stokesias
stoking
stole
stoled
stolen
stoles
stolid
stolider
stolidest
stolidities
stolidity
stolidly
stollen
stollens
stolon
stolonic
stolons
stoma
stomach
stomachache
stomachaches
stomached
stomaching
stomachs
stomachy
stomal
stomas
stomata
stomatal
stomate
stomates
stomatic
stomatitis
stomodea
stomp
stomped
stomper
stompers
stomping
stomps
stonable
stone
stoned
stoneflies
stonefly
stoner
stoners
stones
stoney
stonier
stoniest
stonily
stoning
stonish
stonished
stonishes
stonishing
stony
stood
stooge
stooged
stooges
stooging
stook
stooked
stooker
stookers
stooking
stooks
stool
stooled
stoolie
stoolies
stooling
stools
stoop
stooped
stooper
stoopers
stooping
stoops
stop
stopcock
stopcocks
stope
stoped
stoper
stopers
stopes
stopgap
stopgaps
stoping
stoplight
stoplights
stopover
stopovers
stoppage
stoppages
stopped
stopper
stoppered
stoppering
stoppers
strettos
streusel
streusels
strew
strewed
strewer
strewers
strewing
strewn
strews
stria
striae
strate
strialed
striates
striating
strick
stricken
strickle
strickled
strickles
strickling
stricks
strict
stricter
strictest
strictly
strictness
strictnesses
striction
strictures
strid
stridden
stride
strident
strider
striders
strides
striding
stridor
stridors
stridors
strife
strifes
strigil
strigils
strigose
strike
striker
strikers
strikes
striking
strikingly
string
stringed
stringent
stringer
stringers
stringier
stringiest
stringing
strings
stringy
strip
stripe
striped
striper
stripers
stripes
stripier
stripiest
striping
stripings
stripped
stripper
strippers
stripping
strips
stript
stripy
strive
strived
striven
striver
strivers
strives
striving
strobe
strobes
strobic
strobil
strobila
strobilae
strobile
strobiles
strobili
strobils
stroyers
stroying
stroys
struck
strucken
structural
structure
structures
strudel
strudels
struggle
struggled
struggles
struggling
strum
struma
strumae
strumas
strummed
strummer
strummers
strumming
strumose
strymous
strumpet
strumpets
strums
strung
strunt
strunted
strunting
strunts
strut
struts
strutted
strutter
strutters
strutting
strychnine
strychnines
stub
stubbed
stubbier
stubbliest
stubbily
stubbying
stubble
stubbled
stuffier
guestiest
guestily

guesting

guests

guesty


guester

guesters

guestier

guestiest

guesting

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


guested

guesting

guests

guests


guests

guests

guests


stylar
stylate
style
styled
styler
stylers
styles
stylet
styles
styli
styling
stylings
stylise
stylised
styliser
stylisers
stylises
stylish
stylishly
stylishness
stylishnesses
stylising
stylist
stylists
stylite
stylites
stylitic
stylize
stylized
stylizer
stylizers
stylizes
stylizing
styloid
stylus
styles
stymie
stymied
stymieing
stymies
stymy
stymying
stypsises
stypsis
stytptic
stytptics
styrax
styraxes
subbass
subbasses
subbed
subbing
subbings
subbranch
subbranches
subbreed
subbreeds
subcabinet
subcabinets
subcategories
subcategory
subcause
subcauses
subcell
subcells
subchief
subchiefs
subclan
subclans
subclass
subclass
subclassed
subclasses
subclassification
subclassifications
subclassified
subclassifies
subclassify
subclassifying
subclassing
subclerk
subclerks
subcommand
subcommands
subcommission
subcommissions
subcommunities
subcommunity
subcomponent
subcomponents
subconcept
subconcepts
subconscious
subconsciouses
subconsciously
subconsciousness
subconsciousnesses
subcontract
subcontracted
subcontracting
subcontractor
subcontractors
subcontracts
subcool
subcooled
subcooling
subcools
subculture
subcultures
subcutaneous
subcutis
subcutises
subdean
subdeans
subdeb
subdebs
subdepartment
subdepartments
subdepot
subdepots
subdistrict
subdistricts
subdivide
subdivided
subdivides
subdividing
subdivision
subdivisions
subdual
subduals
subduce
subduced
subduces
subducing
subduct
subducted
subducting
subducting
subducts
subdue
subdued
subduer
subduers
subdues
subduing
subletting
sublevel
sublevels
sublime
sublimed
sublimer
sublimers
sublimes
sublimest
subliming
sublimities
sublimity
subliterates
submarine
submarines
submerge
submerged
submergence
submergences
submerges
submerging
submerse
submersed
submerses
submersible
submersing
submersion
submersions
submit
submissions
submissive
submit
 submits
submitted
submitting
subnasal
subnetwork
subnetworks
subnodal
subnormal
suboceanic
suboptic
suboral
suborder
suborders
subordinate
subordinated
subordinates
subordinating
subordination
subordinations
suborn
suborned
suborner
suborners
suborning
suborns
suboval
subovate
suboxide
suboxides
subpar
subpart
subparts
subpena
subpenaed
subpenaing
subpenas
subphyla
subplot
subplots
subpoena
subpoenaed
subpoenaing
subpoenas
subpolar
subprincipal
subprincipals
subprocess
subprocesses
subprogram
subprograms
subproject
subprojects
subpubic
subrace
subraces
subregion
subregions
subrent
subrents
subring
subrings
subroutine
subroutines
subsisted
subsistence
subsistences
subsisting
subsists
subsoil
subsoiled
subsoiling
subsoils
subsolar
subsonic
subspace
subspaces
subspecialties
subspecialty
subspecies
substage
substages
substandard
substantial
substantially
substantiate
substantiated
substantiates
substantiating
substantiation
substantiations
substitute
substituted
substitutes
substituting
substitution
substitutions
substructure
substructures
subsume
subsumed
subsumes
subsuming
subsurface
subsystem
subsystems
subteen
subteens
subtemperate
subtend
subtended
subtending
subtends
subterfuge
subterfuges
subterranean
subterraneous
subtext
subtexts
subtile
subtiler
subtilist
subtilities
subtilty
subtitle
subtitle
subtitled
subtitles
subtitling
subtle
subtler
subtliest
subtleties
subtlety
subtly
subtone
subtones
subtonic
subtonics
subtopic
subtopics
subtotal
subtotalized
subtotaling
subtotalled
subtotalling
subtotal
subtract
subtracted
subtracting
subtraction
subtractions
subtracts
subtreasuries
subtreasury
subtribe
subtribes
subtunic
subtunics
subtype
subtypes
subulate
subunit
subunits
suburb
suburban
suburbans
suburbed
suburbia
suburbias
suburbs
subvene
subvened
subvenes
subvening
subvert
subverted
subverting
subverts
subvicar
subvicars
subviral
subvocal
subway
subways
subzone
subzones
succah
succahs
succeed
succeeded
succeeding
succeeds
success
successes
successful
successfully
succession
successions
successive
successively
successor
successors
succinct
succincter
succinctest
succinctly
succinctness
succinctnesses
succinic
succinyl
succinyls
succor
succored
succorer
succorers
succories
succoring
succors
succory
succotash
succotashes
succoth
succour
succoured
succouring
succours
succuba
succubae
succubi
succubus
succubuses
succulence
succulences
succulent
succulents
succumb
succumbed
succumbing
succumbs
succuss
succussed
succusses
succussing
such
suchlike
suchness
suchnesses
suck
sucked
sucker
suckered
suckering
suckers
suckfish
suckfishes
sucking
sueded
suedes
sueding
suer
suers
sues
suet
suets
suety
suffari
suffaris
suffer
suffered
sufferer
sufferers
suffering
sufferings
suffers
suffice
sufficed
sufficer
sufficers
suffices
sufficiencies
sufficiency
sufficient
sufficiently
sufficing
suffix
suffixal
suffixation
suffixations
suffixed
suffixes
suffixing
sufflate
sufflated
sufflates
sufflating
suffocate
suffocated
suffocates
suffocating
suffocatingly
suffocation
suffocations
suffrage
suffrages
sunburst
sunbursts
sundae
sundaes
sunder
sundered
sunderer
sunderers
sundering
sunders
sundew
sundews
sundial
sundials
sundog
sundogs
sundown
sundowns
sundries
sundrops
sundry
sunfast
sunfish
sunfishes
sunflower
sunflowers
sung
sunglass
sunglasses
sunglow
sunglows
sunk
sunken
sunket
sunkets
sunlamp
sunlamps
sunland
sunlands
sunless
sunlight
sunlights
sunlike
sunlit
sunn
sunna
sunnas
sunned
sunnier
sunniest
sunnily
sunning
sunns
sunny
sunrise
sunrises
sunroof
sunroofs
sunroom
sunrooms
suns
sunscald
sunscalds
sunset
sunsets
sunshade
sunshades
sunshine
sunshines
sunshiny
sunspot
sunspots
sunstone
sunstones
sunstroke
sunset
sunsuit
sunsuits
suntan
suntans
sunup
sunups
sunward
sunwards
sunwise
sup
supe
super
superabundance
superabundances
superabundant
superadd
superadded
superadding
superadds
superambitious
superathlete
superathletes
superb
superber
superbest
superbly
superbomb
superbombs
supercilious
superclean
supercold
supercolossal
superconvenient
superdense
supered
supereffective
superefficiencies
superefficiency
superefficient
superego
superegos
superenthusiasm
superenthusiasms
superenthusiastic
superfast
superficial
superficialities
superficiality
superficially
superfix
superfixes
superfluity
superfluous
supergood
supergovernment
supergovernments
supergroup
supergroups
superhard
superhero
superheroine
superheroines
superheros
superhuman
superhumans
superimpose
superimposed
superimposes
superimposing
supering
superintellectual
superintellectuals
superintelligence
superintelligences
superintelligent
superintend
superintended
superintendence
superintendences
superintendencies
superintendency
superintend
superintendents
superintending
superintends
superior
superiorities
superiority
superiors
superjet
superjets
superlain
superlative
superlatively
superlay
superlie
superlies
superlying
superlying
superman
supermarket
supermarkets
supermen
supermodern
supernal
supernatural
supernaturally
superpatriot
superpatriotic
superpatriotism
superpatriotisms
superpatriots
superplane
superplanes
superpolite
superpolite
superports
superports
superpowerful
superrefined
superrich
supers
supersalesman
supersalesmen
superscout
superscouts
superscript
superscripts
supersecrecies
supersecrecy
supersecret
supersedes
superseded
supersedes
superseding
supersensitive
supersex
supersexes
supership
superships
supersize
supersized
superslick
supersmooth
supersoft
supersonic
superspecial
superspecialist
superspecialists
superstar
superstars
superstate
superstates
superstition
superstitions
superstitious
superstrength
superstrengths
superstrong
superstructure
superstructures
supersuccessful
supersystem
supersystems
supertanker
supertankers
supertax
supertaxes
superthick
superthin
supertight
supertough
supervene
supervened
supervenes
supervenient
supervening
supervise
supervised
supervises
supervising
supervision
supervisions
supervisor
supervisors
supervisory
superwoman
superwomen
supes
supinate
supinated
supinates
supinating
supine
supinely
supines
supped
supper
suppers
supping
supplant
supplanted
supplanting
supplants
supple
suppled
supplely
supplement
supplemental
supplementary
supplements
suppler
suppurating
suppuration
suppurations
supra
supraclavicular
supremacies
supremacy
supreme
supremely
supremer
supremest
sups
sura
surah
surahs
sural
suras
surbase
surbased
surbases
surcease
surceased
surceases
surceasing
surcharge
surcharges
surcoat
surcoats
surd
surds
sure
surefire
surely
sureness
surenesses
surer
surest
sureties
surety
surf
surfable
surface
surfaced
surfarer
surfacers
surfaces
surfacing
surfbird
surfbirds
surfboat
surfboats
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
surf
sur
surname
surnamed
surnamer
surnamers
surnames
surnaming
surpass
surpassed
surpasses
surpassing
surpassingly
surplice
surplices
surplus
surpluses
surprint
surprinted
surprinting
surprints
surprise
surprised
surprises
surprising
surprisingly
surprize
surprized
surprizes
surprizing
surra
surras
surreal
surrealism
surrender
surrendered
surrendering
surrenders
surreptitious
surreptitiously
surrey
surreys
surround
surrounded
surrounding
surroundings
surrounds
surroyal
surroyals
surtax
surtaxed
surtaxes
surtaxing
surtout
surtouts
surveil
surveiled
surveiling
surveillance
surveillances
surveils
survey
surveyed
surveying
surveyor
surveyors
surveys
survival
survivals
survive
survived
surviver
survivers
survives
surviving
survivor
survivors
survivorship
survivorships
susceptibilities
susceptibility
susceptible
suslik
susliks
suspect
suspected
suspecting
suspects
suspend
suspended
susponder
suspenders
suspending
suspends
suspense
suspenseful
suspenses
suspension
swabs
swaddle
swaddled
swaddles
swaddling
swag
swage
swaged
swagger
swagers
swages
swagged
swagger
swaggered
swaggering
swaggers
swagging
swaging
swagman
swagmen
swags
swail
swails
swain
swainish
swains
swale
swales
swallow
swallowed
swallowing
swallows
swam
swami
swamies
swamis
swamp
swamped
swamper
swampers
swampier
swampiest
swamping
swampish
swamps
swamph
swamy
swan
swarths
swarthy
swarty
swash
swashbuckler
swashbucklers
swashbuckling
swashbucklings
swashed
swasher
swashers
swashes
swashing
swastica
swasticas
swastika
swastikas
swat
swatch
swatches
swath
swathe
swathed
swather
swathers
swathes
swathing
swaths
swats
swatted
swatter
swatters
swatting
sway
swayable
swayback
swaybacks
swayed
swayer
swayers
swayful
swaying
sways
swear
swearer
swearers
swearing
swears
sweat
sweatbox
sweatboxes
sweated
sweater
sweaters
sweatier
sweatiest
sweatily
sweating
sweats
sweaty
swede
swedes
sweenies
sweeny
sweep
sweeper
sweepers
sweepier
sweepiest
sweeping
sweepings
sweeps
sweepstakes
sweepy
sweer
sweet
sweeten
sweetened
sweetener
sweeteners
sweetening
sweetens
sweeter
sweetest
sweetheart
sweethearts
sweetie
sweeties
sweeting
sweetings
sweetish
sweetly
sweetness
sweetnesses
sweets
sweetsop
sweetsops
swell
swelled
sweller
swellest
swelling
swellings
swells
swelter
sweltered
sweltering
swelters
sweltier
sweltiest
sweltry
swept
swerve
swerved
swerver
swervers
swers
swerving
sweven
swevens
swift
swifter
swifters
swiftest
swiftly
swiftness
swiftnesses
swifts
swig
swigged
swigger
swiggers
swigging
swigs
swill
swilled
swiller
swillers
swilling
swills
swim
swimmer
swimmers
swimmier
swirl
swirled
swirlier
swirliest
swirling
swirls
swirly
swish
swished
swisher
swishers
swishes
swishier
swishiest
swishing
swishy
swiss
swisses
switch
switchboard
switchboards
switched
switcher
switchers
switches
switching
swith
swithe
swither
swithered
swithering
swithers
swithly
swive
swived
swivel
swiveled
swiveling
swivelled
swivelling
swivels
swives
swivet
swivets
swiving
swizzle
swizzled
swizzler
syncom
syncoms
syncopal
syncopate
syncopated
syncopates
syncopating
syncopation
syncopations
syncope
syncopes
syncopic
syncs
syncytia
syndeses
syndesis
syndesises
syndet
syndetic
syndets
syndic
syndical
syndicate
syndicated
syndicates
syndicating
syndication
syndics
syndrome
syndromes
syne
synectic
synergia
synergias
synergic
synergid
synergids
synergies
synergy
synesis
synesises
syngamic
syngamies
syngamy
synod
synodal
synodic
synods
synonym
synonyme
synonyms
synonymy
synopsis
synoptic
synovia
synovial
synovias
syntactic
syntactical
syntax
syntaxes
syntheses
synthesis
synthesized
synthesizer
synthesizers
synthesizes
synthesizing
synthetic
synthetically
synthetics
syntonic
syntonies
syntonies
synura
synurae
sypher
syphered
syphering
syphers
syphilis
syphilises
syphilitic
syphon
syphoned
syphoning
syphons
syren
syrens
syringa
syringas
syringe
syringed
syringes
syringing
syrinx
syrinxes
syrphian
syrphians
syrphid
syrphids
syrup
syrups
syrupy
system
systematic
systematical
systematically
systematize
systematized
systematizes
systematizing
systemic
systemics
systems
systole
systoles
systolic
syzygal
syzygial
syzygies
syzygy
ta
tab
tabanid
tabanids
tabard
tabarded
tabards
tabaret
tabarets
tabbed
tabbied	tabbies
tabbing	tabbis	tabbises	tabby	tabbying
taboret
taborets	
taborin
taborine
taborines
taboring
taborins
tabors
tabour
taboured
tabourer
tabourers
tabouret
tabourets	
tabouring
tabours
tabs	
tabu	
tabued
tabuing
tabular
tabulate
tabulated	
tabulates	
tabulating
tabulation	
tabulations	
tabulator	
tabulators	
tabus	
tace
taces	
tacet	
tach	
tache	
taches	
tachinid	
tachinids	
tachism	
tachisms	
tachist	
tachiste	
tachistes	
tachists	
tachs	
tacit	
tacitly	
tacitness
tacts
tactical
tad
tadpole
tadpoles
tads
tae
tael
tael
taenia
taeniaceae
taenias
taffarel
taffarels
tafferel
tafferels
taffeta
taffetas
taffia
taffias
taffies
taffrail
taffrails
taffy
tafia
tafias
tag
tagalong
tagalongs
tagboard
tagboards
tagged
tagger
taggers
tagging
taglike
tagmeme
tagmemes
tagrag
tagrags
tags
tahr
thora
thora
thora
thora
thora
tallowed
tallowing
tallows
tallowy	
tally
tallyho
tallyhoed
tallyhoing
tallyhos
tallying
tallyman
tallymen
talmudic	
talon
taloned
talons	
talooka
talookas	
taluk
taluka
talukas	
taluks
talus
talus	
taluses
tam	
tamable	
tamal	
tamale
tamales	
tamals	
tamandu	
tamandua	
tamanduas	
tamandus	
tamarack	
tamaracks	
tamarao	
tamaraos	
tamarau	
tamaraus	
tamarin	
tamarind	
tamarinds	
tamarins	
tamarisk	
tamarisks	
tamasha	
tamashas
tampion
tampions
tampon
tamponed
tamponing
tampons
tamps
tams
tan
tanager
tanagers
tanbark
tanbarks
tandem
tandems
tang
tanged
tangelo
tangelos	angence	angences	angencies	angency	angent	angential	angents	angerine	angerines	angibilities	angibility	angible	angibles	angibly	angier	angiest	anging	angle	angled	angler	anglers	angles	anglier	angliest	angling	angly	ango	angoed	angoing
tangos
tangram
tangrams
tangs
tangy
tanist
tanistries
tanistry
tanists	tank	tanka	tankage	tankages	tankard	tankards	tankas	tanked	tanker	tankers	tankful	tankfuls	tanking	tanks	tankship	tankships
tannable	tannage	tannages	tannate
tannates
tanned
tanner	tanneries	tanners	tannery	tannest	tannic	tannin	tanning	tannings	tannins	tannish	tanrec	tanrecs	tans	tansies	tansy
tantalic
tantalize
tantalized
tantalizer
tantalizers
tantalizes
tantalizing
tantalizingly
tantalum
tantalums
tantalus
tantaluses
tantamount
tantara
tantaras
tantivas
tantivy	anto	tantra	tantras	tantric	tantrum	tantrums	tanyard	tanyards
tao
taos	tap
tapa
tapadera
tapaderas
tapadero
tapaderos	tapalo	tapalos	tapas
tape
taped
tapeless
tapelike
tapeline
tapelines
taper
tapered
taperer	taperers	tapering	tapers
tapes
<table>
<thead>
<tr>
<th>Word</th>
</tr>
</thead>
<tbody>
<tr>
<td>tapestry</td>
</tr>
<tr>
<td>tapestrying</td>
</tr>
<tr>
<td>tapeta</td>
</tr>
<tr>
<td>tapetal</td>
</tr>
<tr>
<td>tapetum</td>
</tr>
<tr>
<td>tapeworm</td>
</tr>
<tr>
<td>tapeworms</td>
</tr>
<tr>
<td>taphole</td>
</tr>
<tr>
<td>tapholes</td>
</tr>
<tr>
<td>taphouse</td>
</tr>
<tr>
<td>taphouses</td>
</tr>
<tr>
<td>taping</td>
</tr>
<tr>
<td>tapioca</td>
</tr>
<tr>
<td>tapiocas</td>
</tr>
<tr>
<td>tapir</td>
</tr>
<tr>
<td>tapirs</td>
</tr>
<tr>
<td>tapis</td>
</tr>
<tr>
<td>tapises</td>
</tr>
<tr>
<td>tapped</td>
</tr>
<tr>
<td>tapper</td>
</tr>
<tr>
<td>tappers</td>
</tr>
<tr>
<td>tappet</td>
</tr>
<tr>
<td>tappets</td>
</tr>
<tr>
<td>tapping</td>
</tr>
<tr>
<td>tappings</td>
</tr>
<tr>
<td>taproom</td>
</tr>
<tr>
<td>taprooms</td>
</tr>
<tr>
<td>taproot</td>
</tr>
<tr>
<td>taproots</td>
</tr>
<tr>
<td>taps</td>
</tr>
<tr>
<td>tapster</td>
</tr>
<tr>
<td>tapsters</td>
</tr>
<tr>
<td>tar</td>
</tr>
<tr>
<td>tarantas</td>
</tr>
<tr>
<td>tarantases</td>
</tr>
<tr>
<td>tarantula</td>
</tr>
<tr>
<td>tarantulas</td>
</tr>
<tr>
<td>tarboosh</td>
</tr>
<tr>
<td>tarbooshes</td>
</tr>
<tr>
<td>tarbush</td>
</tr>
<tr>
<td>tarbushes</td>
</tr>
<tr>
<td>tardier</td>
</tr>
<tr>
<td>tardies</td>
</tr>
<tr>
<td>tardiest</td>
</tr>
<tr>
<td>tardily</td>
</tr>
<tr>
<td>tardo</td>
</tr>
<tr>
<td>tapsed</td>
</tr>
<tr>
<td>tapper</td>
</tr>
<tr>
<td>tapped</td>
</tr>
<tr>
<td>taping</td>
</tr>
<tr>
<td>tappings</td>
</tr>
<tr>
<td>taproom</td>
</tr>
<tr>
<td>taprooms</td>
</tr>
<tr>
<td>taproot</td>
</tr>
<tr>
<td>taproots</td>
</tr>
</tbody>
</table>
tats
tatted
tatter
tattered
tatterer
tattiest
tatting
tattings
tattle
tattled
tattler
tattlers
tattles
tattletale
tattletales
tattling
tattoo
tattooed
tattooer
tattooers
tattooing
tattoos
tatty
tau
taught
taunt
taunted
taunter
taunters
taunting
taunts
taupe
taupes
taurine
taurines
taus
taut
tautaug
tautaugs
tauted
tauten
tautened
tautening
tautens
tauter
tautest
teardowns
tear

Both "teardowns" and "tear" are valid English words.
teawares
teazel
tezeled
tezeling
tezelled
tezelling
tezels
tea
tezled
tezles
tezling
teched
techier
techiest
techily
techic
techical
techicalities
techicality
techically
technician
technicians
technics
technique
techniques
technological
technologies
technology
techy
tecta
tectal
tectonic
tectrices
tectrix
tectum
ted
tedded
tedder
tedders
teddies
tedding
teddy
tedious
tediously
tediousness
tediousnesses
tedium
tediums
teetotals
 teetotum
 teetotums
 teff
 teffs
 teg
 tegmen
 tegmenta
 tegmina
 tegminal
 tegs
 tegua
 teguas
 tegular
 tegumen
 tegument
 teguments
 tegumina
 teiglach
 teiid
 teiids
 teind
 teinds
 tektite
 tektites
 tektitic
 tektronix
 tela
 telae
 telamon
 telamones
 tele
 telecast
 telecasted
 telecasting
 telecasts
 teledu
 teledus
 telefilm
 telefilms
 telega
 telegas
 telegonies
 telegony
 telegram
 telegrammed
 telegramming
 telegrams
televised
televises
televising
television
televisons
telex
telexed
telexes
telexing	
telfer
telfered
telfering
telfers
telford
telfords
telia
telial
telic
telium
tell
tellable
teller
tellers
tellies
telling
tells
telltale
telltales
telluric
telly
teloi	
telome
telomes
telomic
telos
telpher
telphered
telphering
telphers
telson
telasonic
telsons
temblor
temblores
tembrlos
temerities
temerity
tempeh
tentlike
tents
tenty
tenues
tenuis
tenuities
tenuity
tenuous
tenuously
tenuousness
tenuousnesses
tenure
tenured
tenures
tenurial
tenuti
tenuto
tenutos
tecalli
tecallis
tepan
tepans
teosinte
teosintes
tepa
tepas
teepe
teepees
tepiefied
tepefies
tepefy
tepefying
tephra
tephras
tephrite
tephrites
tepid
tepidities
tepidity
tepidly
tequila
tequilas
terai
terais
teraohm
teraohms
teraph
teraphim
terminologies
terminology
terminus
terminuses
termite
termites
ternitic
termless
termy
termor
termors
terms
termtime
termtimes
tern
ternaries
ternary
ternate
terne
ternes
ternion
ternions
terns
terpene
terpenes
terpenic
terpinol
terpinols
terra
terrace
terraced
terraces
terracing
terrae
terrain
terrains
terrane
terranes
terrapin
terrapins
terraria
terrarium
terras
terrases
terrazzo
terrazzos
terrean
terreens
terrella
terrellas
terrene
terrenes
terrestrial
terret
terrets
terrible
terribly
terrier
terriers
terries
terrific
terrified
terrifies
terrify
terrifying
terrifyingly
terrine
terrines
territ
territorial
territories
territory
territs
terror
terrorism
terrorisms
terrorize
terrorized
terrorizes
terrorizing
terrors
terry
terse
tersely
terseness
tersenesses
terser
tersest
tertial
tertials
tertian
tertians
tertiaries
tertiary
tesla
teslas
tetanic
tetanics
tetanies
tetanise
tetanised
tetanises
tetanising
tetanize
tetanized
tetanizes
tetanizing
tetanoid
tetanus
tetanus
tes
tetany
tetched
tetchier
tetchiest
tetchily
tetchy	eth
tether
tethered
tethering
tethers
teths
tetotum
tetotums
teta
tetracid
tetracids
tetrad
tetradic
tetrad
tetragon
tetragons
tetramer
tetramers
tetrapod
tetrapods
tetrarch
tetrarchs
tetras
tetrole
tetroles
teteroxid
teteroxids
tetryl
thanage
thanages
thanatos
thanatoses
thane
thanes
thank
thanked
thanker
thankful
thankfuller
thankfullest
thankfully
thankfulness
thankfulnesses
thanking
thanks
thanksgiving
tharm
tharms
that
thataway
thatch
thatched
thatcher
thatchers
thatches
thatching
thatchy
thaw
thawed
thawer
thawers
thawing
thawless
thaws
the
thearchies
thearchy
theater
theaters
theatre
theatres
theatric
theatrical
thebaine
thebaines
theca
therewith
theriac
teriaca
teriacas
teriacs
term
termae
thermal
thermals
therme
thermel
thermels
thermes
thermic
thermion
thermions
thermit
thermite
thermites
thermits
thermodynamics
thermometer
thermometers
thermometric
thermometrically
thermos
thermoses
thermostat
thermostatic
thermostatically
thermostats
therms
theroid
theropod
theropods
thesauri
thesauri
these
theses
thesis
thespian
thespians
theta
thetas
thetric
thetical
theurgic
theurgies
thighbone
thighbones
thigbed
thighs
thill
thills
thimble
thimbleful
thimblefuls
thimbles
thin
thinclad
thinclads
thindown
thindowns
thine
thing
things
think
thinker
thinkers
thinking
thinkings
thinks
thinely
thinned
thinner
thinness
thinnesses
thinnest
thinning
thinnish
thins
thio
thiol
thiolic
thiols
thionate
thionates
thionic
thionin
thionine
thionines
thionins
thionyl
thionyls
thiophen
thiophens
throughout
throve
throw
thrower
throwers
throwing
thrown
throws
thru
thrum
thrummed
thrummer
thrummers
thrummier
thrummiest
thrumming
thrummy
thrum
thruput
thruputs
thrush
thrushes
thrust
thusted
thruster
thrusters
thrusting
thruster
thrusters
thrusts
thruway
thruways
thud
thudded
thudding
thuds
thug
thuggee
thuggees
thuggeries
thuggery
thuggish
thugs
thuja
thujas
thulia
thulias
thulium
thuliums
thumb
thumbed
thumbed
thumbing
thumbkin
thumbkins
thumbnail
thumbnails
thumbnut
thumbnuts
thumbs
thumbtack
thumbtacks
thump
thumped
thumper
thumpers
thumping
thumps
thunder
thunderbolt
thunderbolts
thunderclap
thunderclaps
thundered
thundering
thunderous
thunderously
thunders
thundershower
thundershowers
thunderstorm
thunderstorms
thundery
thurible
thuribles
thurifer
thurifers
thurl
thurls
thus
thusly
thuya
thuyas
thwack
thwacked
thwacker
thwackers
thwacking
thwacks
thwart
thwarted
thwarter
thwarters
thwarting
thwartly
thwarts
thy
thyme
thymes
thymey
thymi
thymic
thymier
thymiest
thymine
thymines
thymol
thymols
thymus
thymuses
thymy
thyroid
thyroidal
thyroids
thyroxin
thyroxins
thyrse
thyrses
thyri
thyroidal
thyrsoid
thyrsus
thyself
ti
tiara
tiarada
tiaraed
tiaras
tibia
tibias
tibial
tical
ticals
tick
tiling
till	
tillable
tillage
tillages	
tilled
tiller	
tillered	
tillering	
tillers
tilling	
tills	
tils
tilt
titable	
titled	
tilter
tilters	
tilth
tilths
tilting	
tilts	
tiltyard	
tiltyard

tilthyard

tilthyards
timarau
timaraus	
timbale	
timbales	
timbals		
timber	
timbered	
timbering	
timberland
timberlands	
timbers	
timbre	
timbrel	
timbrels	
timbres	
time	
timecard	
timecards	
timed	
timekeeper
timekeepers		
timeless	
timelessness
tinwares
tinwork
tinworks
tiny
tip
tipcart
tipcarts
tipcat
tipcats
tipi
tipis
tipless
tipoff
tipoffs
tippable
tipped
tipper
tippers
tippet
tippets
tippier
tippiest
tipping
tipple
tippled
tippler
tipplers
tipples
tipling
tippy
tips
tipsier
tipsiest
tipsily
tipstaff
tipstaffs
tipstaves
tipster
tipsters
tipstock
tipstocks
tipsy
tiptoe
tiptoed
tiptoes
tiptoing
tiptop
tiptops
tirade
tirades
tire
tired
tireder
tiredest
tiredy
tireless
tirelessly
tirelessness
tires
tiresome
tiresomely
tiresomeness
tiresomenesses
tiring
tirl
tirled	irling
tirls	iro
tiros	irrivee	irrivees
tis	tisane	tisanes	tissual	tissue	tissued	tissues	tissuey	tissuing	tit	titan	titanate	titanates	titaness	titanesses	titania	titanias	titanic	titanic	titanism	titanisms	titane	titane
titanite
titanites	titanium	titaniums
titanous
titans
titbit
titbits
titer
titers	ititable	ithe	itished	ither	ithers	itithes	itithing	itithings	itithonia	itithonias
titi	titian	titians	titillate	titillated	titillates	titillating	titillation	titillations	titis	titivate	titivated	titivates	titivating	titlark	titlarks	title	titled	titles	titling	titlist	titlists	titman	titmen	titmice	titmouse	titrable	titrant	titrants	titrate	titrated	titrates
toadying
toadyish
toadyism
toadyisms
toast
toasted
toaster
toasters
toastier
toastiest
toasting
toasts
toasty
tobacco
tobaccoes
tobaccos
tobies
toboggan
tobogganed
tobogganing
toboggans
toby
tobys
toccata
toccatas
toccate
tocher
tochered
tochering
tochers
tocologies
tocology
tocsin
tocsins	od
todays
toddies	oddle	oddled	oddlers	oddlers
toddling	oddly	odies	ods	ody
toe
toe-cap
toe-caps
toed
toe-hold
toe-holds
toe-ing
toe-less
toe-like
toenail
toenailed
toenailing
toenails
toe-piece
toe-pieces
toe-plate
toe-plates
toes
toe-shoe
toe-shoes
toff
toffee
toffees
toffies
toffs
toffy
toft
tofts
tofu
tofus
tog
toga
togae
togaed
togas
togate
togated
together
togetherness
togethernesses
togged
toggeries
toggery
toggings
toggle
toggled
toggler
toggler
togglers
toggles
toggling
togs
togue
togues
toil
toile
toiled
toiler
toilers
toiles
toilet
toiled
toileting
toiletries
toiletry
toilets
toilette
toilettes
toilful
toiling
toils
toilsome
toilworn
toit
toited
toiting
toits
tokay
tokays
toke
token
tokened
tokening
tokenism
tokenisms
tokens
tokes
tokologies
tokology
tokonoma
tokonomas
tola
tolan
tolane
tolanes
tolans
tolas
tolbooth
tolbooths
told
tole
toled
toledo
toledos
tolerable
tolerably
tolerance
tolerances
tolerant
tolerate
tolerated
tolerates
tolerating
tolerating
tolerations
toles
tolidin
tolidine
tolidines
tolidins
toling
toll
tollage
tollages
tollbar
tollbars
tollbooth
tollbooths
tolled
toller
tollers
tollgate
tollgates
tolling
tollman
tollmen
tolls
tollway
tollways	olu	oluate	oluates	oluene	oluenes
toluic
toluid
toluide
toluides
toluidin
toluidins
toluids
toluol
toluole
toluoles
toluols
tolus
toluyl
toluyls
toly
tolyls
tom
tomahawk
tomahawked
tomahawking
tomahawks
tomalley
tomalleys
toman
tomans
tomato
tomatoes
tomb
tombac
tomback
tombacks
tombacs
tombak
tombaks
tombal
tombed
tombing
tombless
tomblike
tombolo
tombolos
tomboy
tomboys
tombs
tombstone
tombstones
tomcat
tomcats
tomcod
tongmen
tongs
tongue
tongued
tongueless
tongues
tonguing
tonguings
tonic
tonicities
tonicity	onics
tonier
toniest
tonight
tonights
toning
tonish
tonishly
tonka
tonlet
tonlets
tonnage
tonnages
tonne
tonneau
tonneaus
tonneaux
tonner
tonners
tonnes
tonnish
tons
tonsil
tonsilar
tonsillectomies
tonsillectomy
tonsillitis
tonsillitises
tonsils
tonsure
tonsured
tonsures
tonsuring
tontine
tontines
tonus
tonuses
tootlers
tootles
tootling
toots
tootses
tootsie
tootsies
tootsy
top
topaz
topazes
topazine
topcoat
topcoats
topcross
topcrosses
tope
toped
topee
topees
toper
topers
topes
topful
topfull
toph
tophe
tophes
tophi
tophs
tophus
topi
topiaries
topiary
topic
topical
topically
topics
toping
topis
topkick
topkicks
topknot
topknots
topless
toploftier
toploftiest
toplofty
toquets
tor
tora
torah
torahs
toras
torc
torch
torchbearer
torchbearers
torchred
torchere
torcheres
torches
torchier
torchiers
torching
torchlight
torchlights
torchon
torchons
torcs
tore
toreador
toreadors
torero
toreros
orses
toreatic
tori
toric
tories
tori
		torment
tormented
tormenting
tormentor
torrents
torrents
torments
torn
tornadic
tornado
tornadoes
tornados
tornillo
tornillos
toro
toroid
tottering
totters
tottery
totting	totty
toucan
toucans	touch
touchback
touchbacks
touchdown
touchdowns
touche
touched
toucher
touchers
touches
touchier
touchiest
touchily
touching
touchstone
touchstones
touchup
touchups
touchy
tough
toughen
toughened
toughening
toughens
tougher
toughest
toughie
toughies
toughish
toughly
toughness
toughnesses
toughs
toughy
toupee
toupees
tour
touraco
touracos
toured
tourer
towboats
towed
towel
toweled
toweling
towelings
towelled
towelling
towels
tower
towered
towerier
toweriest
towering
towers
towery
towhead
towheaded
towheads
towhee
towhees
towie
towies
towing
towling
towlines
towlines
towmond
towmonds
towmont
towmonts
town
townee
townees
townfolk
townie
townies
townish
townless
townlet
townlets
towns
township
townships
townsman
townsman
townspeople
townwear
townwears
trader
traders
trades
tradesman
tradesmen
tradespeople
trading
tradition
traditional
traditionally
traditions
traditor
traditores
traduce
traduced
traducer
traducers
traduces
traducing
traffic
trafficked
trafficker
traffickers
trafficking
traffic
tragedies
tragedy
tragi
tragic
tragical
tragically
tragopan
tragopans
tragus
traik
traiked
traiking
traiks
trail
trailed
trailer
trailered
trailering
trailers
trailing
trails
train
trained
tramp
tramped
tramper
trampers
tramping
trampish
trample
trampled
trampler
tramplers
tramples
trampling
trampoline
trampoliner
trampoliners
trampolines
trampolinist
trampolinists
tramps
tramroad
tramroads
trams
tramway
tramways
trance
tranced
trances
trancing
trangam
trangams
tranquil
tranquiler
tranquilest
tranquilities
tranquility
tranquelize
tranquilized
tranquilizer
tranquilizers
tranquilizes
tranquilizing
tranquiller
tranquillest
tranquillities
tranquillity
tranquillize
tranquillized
tranquillizer
transposes
transposing
transposition
transpositions
transship
transshiped
transshiping
transshipment
transshipments
transships
transude
transuded
transudes
transuding
transverse
transversely
transverses
trap
trapan
trapanned
trapanning
traps
trapball
trapballs
trapdoor
trapdoors
trapes
trapesed
trapeses
trapesing
trapeze
trapezes
trapezia
trapezoid
trapezoidal
trapezoids
traplike
trapnest
trapnested
trapnesting
trapnests
trappean
trapped
trapper
trappers
trapping
trappings
trappose
trellises
trellising
tremble
trembled
trembler
tremblers
trembles
trembler
trembled
tremblier
tremblies
trembling
trembly
tremendous
tremendously
tremolo
tremolos	
tremor
tremors
tremulous
tremulously
trenail
trenails	
trench	
trenchant	
trenched	
trencher
trenchers	
trenches	
trenching	
trend	
trended	
trendier	
trendiest
trendily	
trending	
trends	
trendy	
trepan	
trepan	
trepan	
trepanned	
trepanning	
treps	
trephine	
trephined	
trephines	
trephining	
trepid	
trepidation
trepidations
trespass
trespassed
trespasser
trespassers
trespasses
trespassing
tress
tressed
tressel
tressels	
tresses
tressier
tressiest
tressour	
tressours
tressure
tressures
tressy	
trestle
trestles
tret
trets
trevet
trevets
trews
trey
treys
triable
triacid
triacids
triad
triadic
triadics
triadism
triadisms
triads
triage
triages
trial
trials
triangle
triangles
triangular
triangularly
triarchies
triarchy
triaxial
triazin
triazine
triazines
triazins
triazole
triazoles
tribade
tribades
tribadic
tribal
tribally
tribasic
tribe
tribes
tribesman
tribesmen
tribrach
tribrachs
tribulation
tribulations
tribunal
tribunals
tribune
tribunes
tributaries
tributary
tribute
tributes
trice
triced
triceps
tricepses
trices
trichina
trichinae
trichinas
trichite
trichites
trichoid
trichome
trichomes
tricing
trick
tricked
tricker
trickers
trickersy
trickery
tries
triethyl
trifid
trifle
trifled
trifler
triflers
trifes
trifling
triflings
trifocal
trifocals
trifold
triforia
triform
trig
triggered
triggered
triggering
triggers
trigest
trigging
trigly
triglyph
triglyphs
trigness
trignesses
trigo
trigon
trigonal
trigonometric
trigonometrical
trigonometries
trigonometry
trigons
trigos
trigraph
trigraphs
trigs
trihedra
trijet
trijets
tribbies
trilby
trill
trilled
triller
trinketed
trinketing
trinkets
trinkums
trinodal
trio
triode
triodes
triol
triolet
triolet
triols
trios
triose
trioses
trioxid
trioxide
trioxides
trioxids
trip
tripack
tripacks
tripart
tripartite
tripe
tripedal
tripes
triphasic
triplane
triplanes
triple
tripled
triples
triplet
triplets
triplex
triplexes
triplicate
triplicates
tripling
triplite
triplites
triploid
triploids
triply
tripod
tripodal
tripodic
tripodies
tripody
tripoli
tripolis
tripos
triposes
tripped
tripper
trippers
trippet
trippets
tripping
trippings
trips
tiptane
tiptanes
tiptyca
tiptycas
tiptych
tiptych
tiptychs
tireme
tiremes
triscele
trisceles
trisect
trisected
trisecting
trisection
trisections
trisects
triseme
trisemes
trisemic
triskele
triskeles
trismic
trismus
tromuses
trisome
trisomes
trisomic
trisomics
trisomics
trisomy
tristate
triste
tristeza
tristezas
trolleyed
trolleys
trolleying
trollied
trollies
trolling
trollings	
trollop
trollops
trollop
trolleys
troll
trolly
trolling
trombone
trombones	
trombonist
trombonists	
trommel
trommels
tromp
trompe
tromped
trompes
tromping
tromps
trona
tronas
trone
trones
troop
trooped
trooper
troopers
troopial
troopials
trooping
troops
trooz
trop
trope
tropes
trophic
trophied
trophies
trophy
trophying
tropic	
tropical
tropics
tropin
tropine
tropines
tropins
tropism
tropisms
trot
troth
trothed
trothing
troths
trotline
trotlines
trots
trotted
trotter
trotters
trotting	rotyl
trotyls
troubadour
troubadours
trouble
troubled
troublemaker
troublemakers
troubler
troublers
troubles
troubleshoot
troubleshooted
troubleshooting
troubleshoots
troublesome
troublesomely
troubling	trough	troughs	trounce	trounced	trounces	troucing	troupe	trouped	trouper	troupers
troupes
troupial
troupials
trouping
trouser
trousers
trousseau
trousseaus
trousseaux
trout
troutier
troutiest
trouts
trouty
trouvere
trouveres
trouveur
trouveurs
trove
trover
trovers
troves
trow
trowed
trowel
troweled
troweler
trowelers
troweling
trowelled
trowelling
trowels
trowing
trows
trowsers
trowth
trowths
troy
troys
truancies
truancy
truant
truanted
truanting
truantries
truantry
truants
truce
truced
truffe
truffles
truffle
truffled
truffles
truing
truisms
truistic
trull
trulls
truly
trumeau
trumeaux
trump
trumped
trumperies
trumpery
trumpet
trumpeted
trumpeter
trumpeters
trumpeting
trumpets
trumping
trumps
truncate
truncated
truncates
truncating
truncation
truncations
trundle
trundled
trundler
trundlers
trundles
trundling
trunk
trunked
trunks
trunnel
trunnels
trunnion
trunnions
truss
trussed
trusser
tumuluses
tun
tuna
tunable
tunably
tunas
tundish
tundishes
tundra
tundras
tune
tuneable
tuneably
tuned
tuneful
tuneless
tuner
tuners
tunes
tung
tungs
tungsten
tungstens
tungstic
tunic
tunica
tunicae
tunicate
tunicates
tunicle
tunicles
tunics
tuning
tunnage
tunnages
tunned
tunnel
tunneled
tunneler
tunnelers
tunneling
tunnelled
tunnelling
tunnels
tunnies
tunning
tunny
tuns
tup
tupelo
tupelos
tupik
tupiks
tupped
tuppence
tuppences
tuppeny	upping
tups
tuque
tuques
turaco
turacos
turacou
turacous
turban
turbaned
turbans	urbaries
turbary
turbeth
turbeths	turbid	turbidities	turbidity	turbidly	turbidness	turbidnesses	turbinal	turbinals	turbine	turbines
turbit	turbith	turbiths	turbits	turbo	turbocar
turbocars	turbofan
turbofans	turbojet	turbojets	turboprop	turboprops	turbos
twa
twaddle
twaddled
twaddler
twaddlers
twaddles
twaddling
twae
twaes
twain
twains
twang
twanged
twangler
twangiest
twanging
twangle
twangled
twangler
twanglers
twangles
twangling
twangs
twangy
twankies
twanky
twas
twasome
twasomes	wat	watst	twattle	twattled	twattles	twattling	tweak	tweaked	tweakier	tweakiest	tweaking	tweaks	tweaky	tweed	tweedier	tweediest	tweedle	tweedled	tweedles
tweedling
tweeds
tweedy
tween
tweet
tweeted
tweeter
tweeters
tweeting
tweets
tweeze
tweezed
tweezer
tweezers
tweezes
tweezing
twelfth
twelfths
twelve
twelvemo
twelvemos
twelves
twenties
twentieth
twentieths
twenty
twerp
twerps
twibil
twibill
twibills
twibils
twice
twiddle
twiddled
twiddler
twiddlers
twiddles
twiddling
twier
twiers
twig
twigged
twiggen
twiggier
twiggiest
twigging
twiggy
twigless
twiglike
twigs
twilight
twilights
twilit
twill
twilled
twilling
twillings
twills	win
twinborn
twine
twined
twiner
twiners
twines
twinge
twinged
twinges
twingeing
twinier
twiniest
twilight
twining
twinkle
twinkled
twinkler
twinklers
twinkles
twinkling
twinkly
twinned
twinning
twinnings
twins
twinship
twinships
twiny
twirl
twirled
twirler
twirlers
twirlier
twirlies	twirling
twirls
twirly
twirp
twirps
twist
twisted
twister
twisters
twisting
twistings
twists
twit
twitch
twitched
twitcher
twitchers
twitches
twitchier
twitchiest
twitching
twitchy
twits
twitted
twitter
twittered
twittering
twitterers
twittery
twittering
twixt
two
twofer
twofers
twofold
twofolds
twopence
twopences
twopenny
twos
twosome
twosomes
twyer
twyers
tycoon
tycoons
ty
tyee
tyees
tyes
tying
tyke
tykes
tymbal
tymbals
tympan
tympana
tympanal
tympani
tympanic
tympanies
tympans
tympanum
tympanums
tympany
tyne
tyned
tynes
tyning
typal
type
typeable
typebar
typebars
typecase
typecases
typecast
typecasting
typecasts
typed
typeface
typefaces
types
typeset
typeseting
typesets
typewrite
typewrited
typewriter
typewriters
typewrites
typewriting
typey
typhoid
typhoids
typhon
typhonic
typhons
typhoon
typhoons
typhose
typhous
typhus
typhuses
typic
typical
typically
typicalness
typicalnesses
typier
typiest
typified
typifier
typifiers
typifies
typify
typifying
typing
typist
typists
typo
typographic
typographical
typographically
typographies
typography
typologies
typology
typos
typ
typps
typps
typy
tyramine
tyramines
tyrranic
tyrrannies
tyranny
tyrant
tyrians
tyre
tyred
tyres
tyring
tyro
tyronic
tyros
tyrosine
tyrosines
tythe
tythed
tythes
tything
tzaddik
tzaddikim
tzar
tzardom
tzardoms
tzarevna
tzarevnas
tzarina
tzarinas
tzarism
tzarisms
tzarist
tzarists
tzaritza
tzaritzas
tzars
tzetze
tzetzes
tzigane
tziganes
tzimmes
tzitzis
tzitzith
tzuris
ubiety
ubique
ubiquities
ubiquitities
ubiquity
ubiquitous
ubiquitously
ubiquity
udder
udders
udo
udometer
udometers
udometries
udometry
udos
ugh
unbraid
unbraided
unbraiding
unbraids
unbranded
unbreakable
unbred
unbreach
unbreached
unbreaches
unbreaching
unbridle
unbridled
unbridles
unbridling
unbroke
unbroken
unbuckle
unbuckled
unbuckets
unbuckling
unbuild
unbuilding
unbuilds
unbuilt
unbundle
unbundled
unbundles
unbundling
unburden
unburdened
unburdening
unburdens
unburied
unburned
unburnt
unbutton
unbuttoned
unbuttoning
unbuttons
uncage
uncaged
uncages
uncaging
uncake
uncaked
uncakes
uncaking
uncalled
uncandid
uncannier
uncanniest
uncannily
uncanny
uncap
uncapped
uncapping
uncaps
uncaring
uncase
uncased
uncases
uncashed
uncasing
uncaught
uncaused
unceasing
unceasingly
uncensored
unceremonious
unceremoniously
uncertain
uncertainly
uncertainties
uncertainty
unchain
unchained
unchaining
unchains
unchallenged
unchancy
unchanged
unchanging
uncharacteristic
uncharge
uncharged
uncharges
uncharging
unchary
unchaste
unchecked
unchewed
unchic
unchoke
unchoked
unchokes
uncinches uncinching uncloak uncloaked uncloaking uncloaks unclog unclogged unclogging unclogs unclose unclosed uncloses unclosing unclothe unclothed unclothes unclothing uncloot uncloouted uncluttered unco uncoated uncock uncocked uncocking uncocks uncoffin uncoffined uncoffining uncoffins uncoil uncoiled uncoiling uncoils uncoined uncombed uncomely uncomely uncomfortable uncomfortably uncomic uncommitted uncommon uncommoner uncommonest
uncommonly
uncomplimentary
uncompromising
unconcerned
unconcernedly
unconditional
unconditionally
unconfirmed
unconscionable
unconscionably
unconscious
unconsciously
unconsciousness
unconsciousnesses
unconstitutional
uncontested
uncontrollable
uncontrollably
uncontrolled
unconventionally
unconverted
uncooked
uncool
uncooperative
uncoordinated
uncork
uncorked
uncorking
uncorks
uncos
uncounted
uncouple
uncoupled
uncouples
uncoupling
uncouth
uncover
uncovered
uncovering
uncovers
uncrate
uncrated
uncrates
uncrating
uncreate
uncreated
uncreates
uncreating
uncross
uncrossed
uncrosses
uncrossing
uncrowned
uncrowning
uncrowns
unction
unctions
unctuous
unctuously
uncultivated
uncurb
uncurbed
uncurbing
uncurbs
uncured
uncurl
uncurled
uncurling
uncurls
uncursed
uncus
uncut
undamaged
undamped
undaring
undated
undaunted
undauntedly
unde
undecided
undecked
undeclared
undee
undefeated
undefined
undemocratic
undeniable
undeniably
undenied
undependable
under
underact
underacted
underacting
underacts
underage
underages
underarm
underarms
underate
underbids
underbid
underbidding
underbought
underbids
underbrush
underbrushes
underbud
underbudded
underbudding
underbuds
underbuy
underbuying
underbuys
underbought
underclothes
underclothing
underclothings
undercover
undercurrent
undercurrents
undercut
undercuts
undercutting
underdeveloped
underdid
underdo
underdoes
underdog
underdogs
underdoing
underdone
undereat
undereaten
undereating
undereats
underestimate
underestimated
underestimates
underestimating
underexpose
underexposed
underexposes
underexposing
underexposure
underexposures
underfed
underfeed
underfeeding
underfeeds
underfoot
underfur
underfurs
undergarment
undergarments
undergo
undergod
undergods
undergoes
undergoing
undergone
undergraduate
undergraduates
underground
undergrounds
undergrowth
undergrowths
underhand
underhanded
underhandedly
underhandedness
underhandednesses
underjaw
underjaws
underlaid
underlain
underlap
underlapped
underlapping
underlaps
underlay
underlaying
underlays
underlet
underlets
underletting
underlie
underlies
underline
underlined
underlines
underling
underlings
underlining
underlip
underlips
underlit
underlying
undermine
undermined
undermines
undermining
underneath
undernourished
undernourishment
undernourishments
underpaid
underpants
underpass
underpasses
underpay
underpaying
underpays
underpin
underpinned
underpinning
underpinnings
underpins
underprivileged
underran
underrate
underrated
underrates
underrating
underrun
underrunning
underruns
underscore
underscored
underscored
underscores
underscoring
undersea
underseas
undersecretaries
undersecretary
undersell
underselling
undersells
underset
underwears
underwent
underworld
underworlds
underwrite
underwriter
underwriters
underwrites
underwriting
underwrote
undeserving
undesirable
undesired
undetailed
undetected
undetermined
undeveloped
undeveloping
undevout
undid
undies
undignified
undimmed
undine
undines
undivided
undo
undock
undocked
undocking
undocks
undoer
undoers
undoes
undoing
undoings
undomesticated
undone
undouble
undoubled
undoubles
undoubling
undoubted
undoubtedly
undrape
undraped
undrapes
undraping
unended
unending
unendurable
unenforceable
unenlightened
unenvied
unequal
unequaled
unequally
unequals
unequivocal
unequivocally
unerased
unerring
unerringly
unethical
unevaded
uneven
unevener
unevenest
unevenly
unevenness
unevennesses
uneventful
unexcitable
unexciting
unexotic
unexpected
unexpectedly
unexpert
unexplainable
unexplained
unexplored
unfaded
unfading
unfailing
unfailingly
unfair
unfairer
unfairest
unfairly
unfairness
unfairnesses
unfaith
unfaithful
unfaithfully
unfaithfulness
unfaithfulnesses
unfaiths
unfallen
unfamiliar
unfamiliarities
unfamiliarity
unfancy
unfasten
unfastened
unfastening
unfastens
unfavorable
unfavorably
unfazed
unfeared
unfed
unfeeling
unfeelingly
unfeigned
unfelt
unfence
unfenced
unfences
unfencing
unfetter
unfettered
unfettering
unfetters
unfilial
unfilled
unfilmed
unfinalized
unfinished
unfired
unfished
unfit
unfitly
unfitness
unfitnesses
unfits
unfitted
unfitting
unfix
unfixed
unfixes
unfixing
unfixt
unflappable
unflattering
unflexed
unfoiled
unfold
unfolded
unfolder
unfolders
unfolding
unfolds
unfond
unforced
unforeseeable
unforeseen
unforged
unforgettable
unforgettably
unforgivable
unforgiving
unforgot
unforked
unformed
unfortunate
unfortunately
unfortunates
unfought
unfound
unfounded
unframed
unfree
unfreed
unfreeing
unfrees
unfreeze
unfreezes
unfreezing
unfriendly
unfrock
unfrocked
unfrocking
unfrocks
unfroze
unfrozen
unfulfilled
unfunded
unfunny
unfurl
unfurled
unfurling
unfurls
unfurnished
unfused
unfussy
ungainlier
ungainliest
ungainliness
ungainlinesses
ungainly
ungalled
ungenerous
ungenial
ungentle
ungentlemanly
ungently
ungifted
ungird
ungirded
ungirding
ungirds
ungirt
unglazed
unglove
ungloved
ungloves
ungloving
unglue
unglued
unglues
ungluing
ungodlier
ungodliest
ungodliness
ungodlinesses
ungodly
ungot
ungotten
ungowned
ungraced
ungraced
ungraceful
ungraded
ungrammatical
ungrateful
ungratefully
ungratefulness
ungratefulnesses
ungreedy
ungual
unguard
unguarded
unguarding
unguards
unguent
unguents
ungues
unguided
unguis
ungula
ungulae
ungular
ungulate
ungulates
unhailed
unhair
unhaired
unhairing
unhairs
unhallow
unhallowed
unhallowing
unhallows
unhalved
unhand
unhanded
unhandier
unhandiest
unhanding
unhands
unhandy
unhang
unhanged
unhanging
unhangs
unhappier
unhappiest
unhappily
unhappiness
unhappinesses
unhappy
unharmed
unhasty
unhat
unhats
unhatted
unhatting
unhealed
unhealthful
unhealthy
unheard
unheated
unheeded
unhelm
unhelmed
unhelming
unhelms
unhelped
unheroic
unhewn
unhinge
unhinged
unhinges
unhinging
unhip
unhired
unhitch
unhitched
unhitches
unhitching
unholier
unholiest
unholily
unholiness
unholinesses
unholy
unhood
unhooded
unhooding
unhoods
unhook
unhooked
unhooking
unhooks
unhoped
unhorse
unhorsed
unhorses
unhorsing
unhouse
unhoused
unhouses
unhousing
unhuman
unhung
unhurt
unhusk
unhusked
unhusking
unhusks
unialgal
uniaxial
unicellular
unicolor
unicorn
unicorns
unicycle
unicycles
unideaed
unideal
unidentified
unidirectional
uniface
unifaces
unific
unification
unifications
unified
unifier
unifiers
unifies
unifilar
uniform
uniformed
uniformer
uniformest
uniforming
uniformity
uniformly
uniforms
unify
unifying
unilateral
unilaterally
unilobed
unimaginable
unimaginative
unimbued
unimpeachable
unimpeachable
unimportant
unimpressed
uninformed
uninhabited
uninhibited
uninhibitedly
uninjured
uninsured
unintelligent
unintelligible
unintelligibly
unintended
unintentional
unintentionally
uninterested
uninteresting
uninterrupted
uninvited
union
unionise
unionised
unionises
unionising
unionism
unionisms
unionist
unionists
unionization
unionizations
unionize
unionized
unionizes
unionizing
unions
unipod
unipods
unipolar
unique
uniquely
uniqueness
uniquer
uniques
uniquest
unironed
unisex
unisexes
unison
unisonal
unisons
unissued
unit
unitage
unitages
unitary
unkindliest
unkindly
unkindness
unkindnesses
unkingly
unkissed
unknit
unknits
unknitted
unknitting
unknot
unknots
unknotted
unknotting
unknowing
unknowingly
unknown
unknowns
unkosher
unlabeled
unlabelled
unlace
unlaced
unlaces
unlacing
unlade
unladen
unladen
unlades
unlading
unlaid
unlash
unlashed
unlashes
unlashing
unlatch
unlatched
unlatches
unlatching
unlawful
unlawfully
unlay
unlaying
unlays
unlead
unleaded
unleading
unleads
unmask
unmasked
unmasker
unmaskers
unmasking
unmasks
unmated
unmatted
unmeant
unmeet
unmeetly
unmellow
unmelted
unmended
unmerciful
unmercifully
unmerited
unmet
unmew
unmewed
unmewing
unmews
unmilled
unmingle
unmingle
unmingle
unmingle
unmistakable
unmistakably
unmiter
unmitered
unmitering
unmiters
unmitre
unmitred
unmitres
unmitring
unmixed
unmixt
unmodish
unmold
unmolded
unmolding
unmolds
unmolested
unmolten
unmoor
unmoored
unopposed
unorganized
unoriginal
unornate
unorthodox
unowned
unpack
unpacked
unpacker
unpackers
unpacking
unpacks
unpaged
unpaid
unpaired
unparalleled
unpardonable
unparted
unpatriotic
unpaved
unpaying
unpeg
unpegged
unpegging
unpags
unpen
unpenned
unpenning
unpens
unpent
unpeople
unpeopled
unpeoples
unpeopling
unperson
unpersons
unpick
unpicked
unpicking
unpicks
unpile
unpiled
unpiles
unpiling
unpin
unpinned
unpinning
unpines
unpitied
unplaced
unplait
unplaited
unplaiting
unplaits
unplayed
unpleasant
unpleasantly
unpleasantness
unpleasantnesses
unpliant
unplowed
unplug
unplugged
unplugging
unplugs
unpoetic
unpoised
unpolite
unpolled
unpopular
unpopularities
unpopularity
unposed
unposted
unprecedented
unpredictable
unpredictably
unprejudiced
unprepared
unpretentious
unpretty
unpriced
unprimed
unprincipled
unprinted
unprized
unprobed
unproductive
unprofessional
unprofitable
unprotected
unproved
unproven
unprovoked
unpruned
unpucker
unpuckered
unpuckering
unpuckers
unpunished
unpure
unpurged
unpuzzle
unpuzzled
unpuzzles
unpuzzling
unqualified
unquantifiable
unquenchable
unquestionable
unquestionably
unquestioning
unquiet
unquieter
unquietest
unquiets
unquote
unquoted
unquotes
unquoting
unraised
unraked
unranked
unrated
unravel
unraveled
unraveling
unravelled
unravelling
unravels
unrazed
unreachable
unread
unreadable
unreadier
unreadiest
unready
unreal
unrealistic
unrealities
unreality
unreally
unreason
unreasonable
unreasonably
unreasoned
unreasoning
unreasons
unreel
unreeled
unreeler
unreelers
unreeling
unreels
unreeve
unreeved
unreeves
unreeving
unrefined
unrelated
unrelenting
unrelentingly
unreliable
unremembered
unrent
unrented
unrepaid
unrepair
unrepairs
unrepentant
unrequited
unresolved
unresponsive
unrest
unrested
unrestrained
unrestricted
unrests
unrewarding
unrhymed
unriddle
unriddled
unriddles
unriddling
unrifled
unrig
unrigged
unrigging
unrigs
unrimed
unrinsed
unrip
unseats
unseeded
unseeing
unseemlier
unseemliest
unseemly
unseen
unseized
unselfish
unselfishly
unselfishness
unselfishnesses
unsent
unserved
unset
unsets
unsetting
unsettle
unsettled
unsettles
unsettling
unsew
unsewed
unsewing
unsewn
unsews
unsex
unsexed
unsexes
unsexing
unsexual
unshaded
unshaken
unshamed
unshaped
unshapen
unshared
unsharp
unshaved
unshaven
unshed
unshell
unshelled
unshelling
unshells
unshift
unshifted
unshifting
unsteadies
unsteadiest
unsteadily
unsteadiness
unsteadinesses
unsteady
unsteadying
unsteel
unsteeled
unsteeling
unsteels
unstep
unstepped
unstepping
unsteps
unstick
unsticked
unsticking
unsticks
unstop
unstopped
unstopping
unstops
unstrap
unstrapped
unstrapping
unstraps
unstress
unstresses
unstring
unstringing
unstrings
unstructured
unstrung
unstung
unsubstantiated
unsubtle
unsuccessful
unsuited
unsung
unsunk
unsure
unsurely
unswathe
unswathed
unswathes
unswathing
unswayed
unswear
unswearing
unswears
unswept
unswore
unsworn
untack
untacked
untack
untacking
untacks
untagged
untaken
untame
untamed
untangle
untangled
untangles
untangling
untanned
untapped
untasted
untaught
untaxed
unteach
unteaches
unteaching
untended
untended
untether
untethered
untethering
untethers
unthawed
unthink
unthinkable
unthinking
unthinkingly
unthinks
unthought
unthread
unthreaded
unthreading
unthreads
unthrone
unthroned
unthrones
unthrone
untidied
untidier
untidies
untidiest
untidily
untidy
untidying
untie
untied
unties
until
untilled
untitled
untimelier
untimeliest
untimely
untinged
untired
untiring
untitled
unto
untold
untoward
untraced
untrained
untread
untreading
untreads
untreated
untried
untrim
untrimmed
untrimming
untrims
untrod
untrodden
untrue
untruer
untruest
untruly
untruss
untrussed
untrusses
untrussing
untrustworthy
untrusty
untruth
untruthful
untruths
unwarned
unwarped
unwarranted
unwary
unwas
unwashed
unwashed
unwasted
unwavering
unwaxed
unweaned
unweary
unweave
unweaves
unweaving
unwed
unwedded
unweeded
unweeping
unweight
unweighted
unweighting
unweights
unwelcome
unwelded
unwell
unwept
unwetted
unwholesome
unwieldier
unwieldiest
unwieldy
unwisely
unwilled
unwilling
unwillingly
unwillingness
unwillingnesses
unwind
unwinder
unwinders
unwinding
unwinds
unwisdom
unwisdoms
unwise
unwisely
unwiser
unwisest
unwish
unwished
unwishes
unwishing
unwit
unwits
unwitted
unwitting
unwittingly
unwon
unwonted
unwooed
unwooded
unworkable
unworked
unworn
unworthier
unworthies
unworthiest
unworthily
unworthiness
unworthinesses
unworthy
unwound
unwove
unwoven
unwrap
unwrapped
unwrapping
unwraps
unwritten
unwrung
unyeaned
unyielding
unyoke
unyoked
unyokes
unyoking
unzip
unzipped
unzipping
unzips
unzoned
up
upas
upases
upbear
upbearer
upbearers
upbearing
upbears
upbeat
upbeats
upbind
upbinding
upbinds
upboil
upboiled
upboiling
upboils
upbore
upborne
upbound
upbraid
upbraided
upbraiding
upbraids
upbringing
upbringings
upbuild
upbuilding
upbuilds
upbuilt
upby
upbye
upcast
upcasting
upcasts
upchuck
upchucked
upchucking
upchucks
upclimb
upclimbed
upclimbing
upclimbs
upcoil
upcoiled
upcoiling
upcoils
upcoming
upcurl
upcurled
upcurling
upcurls
upholsterers
upholsteries
upholstering
upholsters
upholstery
uphone
uphoes
upkeeps
upland
uplander
uplanders
uplands
upleap
upleaped
upleaping
upleaps
upleapt
uplift
uplifted
uplifter
uplifters
uplifting
uplifts
uplight
uplighted
uplighting
uplights
uplit
upmost
upo
upon
upped
upper
uppercase
uppercut
uppercuts
uppercutting
uppermost
uppers
uppile
upplied
upplies
uppling
uppling
upplings
uppish
upishly
uppity
upprop
uppropped
uppropping
upprops
upraise
upraised
upraiser
upraisers
upraising
upreach
upreached
upreaches
upreaching
uprear
upreared
uprearing
uprears
uptight
uprighted
uprighting
uprightness
uprightnesses
uprights
uprise
uprisen
upriser
uprisers
uprises
uprising
uprisings
upriver
uprivers
uproar
uproarious
uproariously
uproars
uproot
uprootal
uprootals
uprooted
uprooter
uprooters
uprooting
uproots
uprose
<table>
<thead>
<tr>
<th>uprouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>uproused</td>
</tr>
<tr>
<td>uprouses</td>
</tr>
<tr>
<td>uprousing</td>
</tr>
<tr>
<td>uprush</td>
</tr>
<tr>
<td>uprushed</td>
</tr>
<tr>
<td>uprushes</td>
</tr>
<tr>
<td>uprushing</td>
</tr>
<tr>
<td>ups</td>
</tr>
<tr>
<td>upsend</td>
</tr>
<tr>
<td>upsending</td>
</tr>
<tr>
<td>upsends</td>
</tr>
<tr>
<td>upset</td>
</tr>
<tr>
<td>upsets</td>
</tr>
<tr>
<td>upsetter</td>
</tr>
<tr>
<td>upsetters</td>
</tr>
<tr>
<td>upsetting</td>
</tr>
<tr>
<td>upshift</td>
</tr>
<tr>
<td>upshifted</td>
</tr>
<tr>
<td>upshifting</td>
</tr>
<tr>
<td>upshifts</td>
</tr>
<tr>
<td>upshoot</td>
</tr>
<tr>
<td>upshooting</td>
</tr>
<tr>
<td>upshoots</td>
</tr>
<tr>
<td>upshot</td>
</tr>
<tr>
<td>upshots</td>
</tr>
<tr>
<td>upside</td>
</tr>
<tr>
<td>upsidedown</td>
</tr>
<tr>
<td>upsides</td>
</tr>
<tr>
<td>upsilon</td>
</tr>
<tr>
<td>upsilons</td>
</tr>
<tr>
<td>upsoar</td>
</tr>
<tr>
<td>upsoared</td>
</tr>
<tr>
<td>upsoaring</td>
</tr>
<tr>
<td>upsoars</td>
</tr>
<tr>
<td>upsprang</td>
</tr>
<tr>
<td>upspring</td>
</tr>
<tr>
<td>upspringing</td>
</tr>
<tr>
<td>upsprings</td>
</tr>
<tr>
<td>upspring</td>
</tr>
<tr>
<td>upstaged</td>
</tr>
<tr>
<td>upstages</td>
</tr>
<tr>
<td>upstaging</td>
</tr>
<tr>
<td>upstairs</td>
</tr>
<tr>
<td>upstand</td>
</tr>
</tbody>
</table>

Open Source Used In CSPC_Collector 2.9.1 24645
uraemias
uraemic
uraeus
uraeuses
uralite
uralites
uralitic
uranic
uranide
uranides
uranism
uranisms
uranite
uranites
uranitic
uranium
uraniums
uranous
uranyl
uranylic
uranyls
urare
urares
urari
uraris
urase
urases
urate
urates
uratic
urban
urbane
urbanely
urbaner
urbanest
urbanise
urbanised
urbanises
urbanising
urbanism
urbanisms
urbanist
urbanists
urbanite
urbanites
urbanities
urbanity
urbanize
uric
uridine
uridines
urinal
urinals
urinalysis
urinaries
urinary
urinate
urinated
urinates
urinating
urination
urinations
urine
urinemia
urinemias
urinemic
urines
urinose
urinous
urn
urnlike
urns
urochord
urochords
urodele
urodeles
urolagnia
urolagnias
urolith
uroliths
urologic
urologies
urology
uropod
uropodal
uropods
uroscopies
uroscopy
urostyle
urostyles
ursa
ursae
ursiform
ursine
urticant
urticants
usual
usually
usuals
usufruct
usufructs
usurer
usurers
usuries
usuurious
usurp
usurped
usurper
usurpers
usurping
usurps
usury
ut
uta
utas
utensil
utensils
uteri
uterine
uterus
uteruses
utile
utilidor
utilidors
utilise
utilised
utiliser
utilisers
utilises
utilising
utilitarian
utilities
utility
utilization
utilize
utilized
utilizer
utilizers
utilizes
utilizing
utmost
utmosts
utopia
utopian
utopians
utopias
utopism
utopisms
utopist
utopists
utricle
utricles
utriculi
uts
utter
utterance
utterances
uttered
utterer
utterers
uttering
utterly
utters
uvea
uveal
uveas
uveitic
uveitis
uveitises
uveous
uvula
uvulae
uvular
uvularly
uvulars
uvulas
uvulitis
uvulitises
uxorial
uxorious
vacancies
vacancy
vacant
vacantly
vacate
vacated
vacates
vacating
vacation
vacationed
vacationer
vacationers
vacationing
vacations
vaccina
vaccinal
vaccinas
vaccinate
vaccinated
vaccinates
vaccinating
vaccination
vaccinations
vaccine
vaccines
vaccinia
vaccinia
vacillate
vacillated
vacillates
vacillating
vacillation
vacillations
vacua
vacuities
vacuity
vacuolar
vacuole
vacuoles
vacuous
vacuously
vacuousness
vacuousnesses
vacuum
vacuumed
vacuuming
vacuums
vadose
vagabond
vagabonded
vagabonding
vagabonds
vagal
vagally
vagaries
vagary
vagi
vagile
vagilities
vagility
valvula
valvulae
valvular
valvule
valvules
vambrace
vambraces
vamoose
vamoosed
vamooses
vamoosing
vamose
vamosed
vamoses
vamosing
vamp
vamped
vamper
vampers
vamping
vampire
vampires
vampiric
vampish
vamps
van
vanadate
vanadates
vanadic
vanadium
vanadiums
vanadous
vanda
vandal
vandalic
vandalism
vandalisms
vandalize
vandalized
vandalizes
vandalizing
vandals
vandas
vandyke
vandyked
vandykes
vane
vaned
vanes  
vang  
vangs  
vanguard  
vanguards  
vanilla  
vanillas  
vanic  
vannin  
vannins  
vannish  
vannished  
vannisher  
vannishers  
vannis  
vannishing  
vanted  
vantages  
vantar  
vap  
vapid  
vapidities  
vapidity  
vapidly  
vapidness  
vapidnesses  
vapor  
vapored  
vaporer  
vaporers  
vapor  
vaporings  
vaporings  
vaporise  
vaporised  
vaporises  
vaporish  
vaporising  
vaporization  
vaporizations
vase
vase-like
vases
vasiform
vassal
vassalage
vassalages
vassals
vast
vaster
vastest
vastier
vastiest
vastities
vastity
vastly
vastness
vastnesses
vasts
vasty
vat
vatful
vatfuls
vatic
vatical
vaticide
vaticides
vats
vatted
vatting
vau
vaudeville
vaudevilles
vault
vaulted
vaulter
vaulters
vaultier
vaultiest
vaulting
vaultings
vaults
vaulty
vaunt
vaunted
vaunter
vaunters
vauntful
veining
veinings
veinless
veinlet
veinlets
veinlike
veins
veinule
veinules
veinulet
veinulets
veiny
vela
velamen
velamina
velar
velaria
velarium
velarize
velarized
velarizes
velarizing
velars
velate
veld
velds
veldt
veldts
veliger
veligers
velites
velleities
velleity
vellum
vellums
veloce
velocities
velocity
velour
velours
veloute
veloutes
velum
velure
velured
velures
veluring
velveret
velverets
velvet
velveted
velvets
velvety
vena
venae
venal
venalities
venality
venally
venatic
venation
venations
vend
vendable
vendace
vendaces
vended
vendee
vendees
vender
venders
vendetta
vendettas
vendible
vendibles
vendibly
vending
vendor
vendors
vends
vendue
vendues
veneer
veneered
veneerer
veneerers
veneering
veeers
venenate
venenated
venenates
venenating
venenose
venerable
venerate
venerated
venerates
venerating
veneration
venerations
venereal
veneries
venery
venetian
venetians
venge
vengeance
vengeances
venged
vengeful
vengefully
venges
venging
venial
venially
venin
venine
venines
venins
venire
venires
venison
venisons
venom
venomed
venomer
venomers
venoming
venomous
venoms
venose
venosities
venosity
venous
venously
vent
ventage
ventages
ventail
ventails
vented
venter
venters
ventilate
ventilated
ventilates
ventilating
ventilation
ventilations
ventilator
ventilators
venting
ventless
ventral
ventrals
ventricle
ventricles
ventriloquism
ventriloquisms
ventriloquist
ventriloquists
ventriloquy
ventriloquys
vents
venture
ventured
venturer
venturers
ventures
venturesome
venturesomely
venturesomeness
venturesomenesses
venturi
venturing
venturis
venue
venues
venular
venule
venules
venulose
venulous
vera
veracious
veracities
veracity
veranda
verandas
verandahs
verandas
veratria
verdured
verdures
verecund
verge
verged
vergence
vergences
verger
vergers
verges
verging
verglas
verglases
veridic
verier
veriest
verifiable
verification
verifications
verified
verifier
verifiers
verifies
verify
verifying
verily
verism
verismo
verismos
verisms
verist
veristic
verists
veritable
veritably
veritas
veritates
verities
verity
verjuice
verjuices
vermeil
vermeils
vermes
vermian
vermicelli
vermicellis
vermin
vermis
vermoulu
vermouth
vermouths
vermuth
vermuths
vernacle
vernacles
vernacular
vernaculars
vernal
vernally
vernicle
vernicles
vernier
verniers
vernix
vernixes
veronica
veronicas
verruca
verrucae
versal
versant
versants
versatile
versatilities
versatility
verse
versed
verseman
versemen
verser
versers
verses
verset
versets
versicle
versicles
versified
versifies
versify
versifying
versine
versines
versing
version
versions
verso
versos
verst
verste
verstes
versts
versus
vert
vertebra
vertebrae
vertebral
vertebras
vertebrate
vertebrates
vertex
vertexes
vertical
vertically
verticalness
verticalnesses
verticals
vertices
verticil
verticils
vertigines
vertigo
vertigoes
vertigos
verts
vertu
vertus
vervain
vervains
verve
verves
vervet
ervets
very
vesica
vesicae
vesical
vesicant
vesicants
vesicate
vesicated
vesicates
vesicating
vesicle
vesicles
vesicula
vesiculae
vesicular
vesiglia
vesper
vesperal
vespers
vespiaries
vespiary
vespid
vespids
vespine
vessel
vesseled
vessels
vest
vesta
vestal
vestally
vestals
vestas
vested
vestee
vestees
vestiaries
vestiary
vestibular
vestibule
vestibules
vestige
vestiges
vestigial
vestigially
vesting
vestings
vestless
vestlike
vestment
vestments
vestral
vestries
vestry
vests
vestural
vesture
vestured
vialed
vialing
vialled
vialling
vials
viand
viands
viatic
viatica
viatical
viaticum
viaticums
viator
viatores
viators
vibes
vibioid
vibist
vibists
vibrance
vibrances
vibrancies
vibrancy
vibrant
vibrants
vibrate
vibrated
vibrates
vibrating
vibration
vibrations
vibrato
vibrator
vibrators
vibratory
vibratos
vibrio
vibrion
vibrions
vibrions
vibrissa
vibrissae
viburnum
viburnums
vicar
vicarage
vicarages
vicarate
victoriously
victors
victory
victress
victresses
victual
victualed
victualing
victualled
victualling
victuals
vicugna
vicugnas
vicuna
vicunas
vide
video
videos
videotape
videotaped
videotapes
videotaping
vidette
videttes
vidicon
vidicons
viduities
viduity
vie
vied
vier
viers
vies
view
viewable
viewed
viewer
viewers
viewier
viewiest
viewing
viewings
viewless
viewpoint
viewpoints
views
viewy
vigil
villae
village
villager
villagers
villages
villain
villainies
villains
villainy
villas
villatic
villein
villeins
villi
villianess
villianesses
villianous
villianously
villianousness
villianousnesses
villose
villous
vills
villus
vim
vimen
vimina
viminal
vimpa
vims
vin
vina
vinal
vinals
vinas
vinasse
vinasses
vinca
vincas
vincible
vincristine
vincristines
vincula
vinculum
vinculums
vindesine
vindicate
vindicated
vindicates
vindicating
vindication
vindications
vindicator
vindicators
vindicative
vindicatively
vindicativeness
vindicativenesses
vine
vineal
vined
vinegar
vinegars
vinegary
vineries
vinery
vines
vineyard
vineyards
vinic
vinier
viniest
vinifera
viniferas
vining
vino
vinos
vinosities
vinosity
vinous
vinously
vins
vintage
vintager
vintagers
vintages
vintner
vintners
viny
vinyl
vinylic
vinyls
viol
viola
violable
violably
violas
violate
violated
violater
violaters
violates
violating
violation
violations
violator
violators
violence
violences
violent
violently
violet
violets
violin
violinist
violinists
violins
violist
violists
violone
violones
viols
viomycin
viomycins
viper
viperine
viperish
viperous
vipers
virago
viragoes
viragos
viral
virally
virelai
virelais
virelay
virelays
viremia
viremias
viremic
vireo
vireos
vires
virucides
virulence
virulences
virulencies
virulency
virulent
virulently
virus
viruses
vis
visa
visaed
visage
visaged
visages
visaing
visard
visards
visas
viscacha
viscachas
viscera
visceral
viscerally
viscid
viscidities
viscidity
viscidly
viscoid
viscose
viscoses
viscount
viscountess
viscountesses
viscounts
viscous
viscus
vise
vised
viseed
viseing
viselike
vises
visibilities
visibility
visible
visibly
vising
vitalists
vitalities
vitality
vitalize
vitalized
vitalizes
vitalizing
vitally
vitals
vitamer
vitamers
vitamin
vitamine
vitamines
vitamins
vitellin
vitellins
vitellus
vitelluses
vitesse
vitesses
vitable
vitiate
vitiated
vitiates
vitiating
vitation
vitations
vitiator
vitiators
vitiligo
vitiligos
vitreous
vitric
vitrification
vitrifications
vitrified
vitrifies
vitrify
vitrifying
vitrine
vitrines
vitrinol
vitrinoled
vitrinolic
vitrinoling
vitriloc
vitrillo
vitrails
vitta
vittae
vittate
vittle
vittel
vittles
vittling
vituline
vituperate
vituperated
vituperates
vituperating
vituperation
vituperations
vituperative
vituperatively
viva
vivace
vivacious
vivaciously
vivaciousness
vivaciousnesses
vivacities
vivacity
vivaria
vivaries
vivarium
vivariums
vivary
vivas
vive
viverrid
viverrids
vivers
vivid
vivider
vividest
vividly
vividness
vividnesses
vivific
vivified
vivifier
vivifiers
vivifies
vivify
vivifying
vivipara
vivisect
vivisected
vivisecting
vivisection
vivisections
vivisects
vixen
vixenish
vixenly
vixens
vizard
vizarded
vizards
vizcacha
vizcachas
vizier
viziers
vizir
vizirate
vizirates
vizirial
vizirs
vizor
vizored
vizoring
vizors
vizsla
vizslas
vocable
vocables
vocably
vocabularies
vocabulary
vocal
vocalic
vocalics
vocalise
vocalised
vocalises
vocalising
vocalism
vocalisms
vocalist
vocalists
vocalities
vocality
vocalize
vocalized
vocalizes
vocalizing
tocally
vocals
vocation
vocational
tocations
vocative
vocatives
voces
vociferous
vociferously
vocoder
vocoders
voder
vodka
vodkas
vodum
vodums
vodun
voe
voes
vogie
vogue
vogues
voguish
voice
voiced
voiceful
voicer
voicers
voices
voicing
void
voidable
voidance
voidances
voided
voider
voiders
voiding
voidness
voidnesses
voids
voile
voiles
volant
volante
volar
volatile
volatiles
volatilities
volatility
volatilize
volatilized
volatilizes
volatilizing
volcanic
volcanics
volcano
volcanoes
volcanos
vole
voled
voleries
volery
voles
voling
volitant
volition
volitional
volitions
volitive
volley
volleyball
volleyballs
volleyed
volleyer
volleyers
volleying
volleys
volost
volosts
volplane
volplaned
volplanes
volplaning
volt
volta
voltage
voltages
voltaic
voltaism
voltaisms
volte
vomites
vomito
vomitory
vomit
vomiters
vomitory
vomit
vomiting
von
voodoo
voodooed
voodooing
voodooism
voodooisms
voodooos
voracious
voraciously
voraciousness
voraciousnesses
voracities
voracity
vorlage
vorlages
vortex
vortexes
vortical
vortices
votable
votaress
votaresses
votaries
votarist
votarists
votary
vote
voteable
voted
voted
votless
voter
voters
votes
voting
votive
votively
votress
votresses
vouch
vouched
vouchee
vouchees
voucher
vouchered
vouchering
vouchers
vouching
vouchsafe
vouchsafed
vouchsafes
vouchsafing
vousoir
vousoirs
vow
vowed
vowel
vowelize
vowelized
vowelizes
vowelizing
vowels
vower
vowers
vowing
vowless
vows
vox
voyage
voyaged
voyager
voyagers
voyages
voyageur
voyageurs
voyaging
voyeur
voyeurs
vroom
vroomed
vrooming
vrooms
vrouw
vrouws
vrow
vrows
vug
vugg
vuggs
vuggy
vugh
vughs
vugs
vulcanic
vulcanization
vulcanizations
vulcanize
vulcanized
vulcanizes
vulcanizing
vulgar
vulgarer
vulgest
vulgarism
vulgarisms
vulgarities
vulgarity
vulgarize
vulgarized
vulgarizes
vulgarizing
vulgarly
vulgars
vulgate
vulgates
vulgo
vulgus
vulguses
vulnerabilities
vulnerability
vulnerable
vulnerably
vulpine
vulture
vultures
vulva
vulvae
vulval
vulvar
vulvas
vulvate
vulvitis
vulvitisises
vying
vyingly
wab
wabble
wabbled
wabbler
wabblers
wabbles
wabblier
wabbliest
wabbling
wabbly
wabs
wack
wacke
wackes
wackier
wackiest
wackily
wacks
wacky
wad
wadable
wadded
wadder
wadders
waddie
waddied
waddies
wadding
waddings
waddle
waddled
waddler
waddlers
waddles
waddling
waddly
waddy
waddying
wade
wadeable
waded
wader
waders
wades
wadi
wadies
wading
wadis
waftures
wag
wage
waged
wageless
wager
wagered
wagerer
wagerers
wagering
wagers
wages
wagged
wagger
waggeries
waggers
waggery
wagging
waggish
waggle
waggled
waggles
waggling
waggly
waggon
waggoned
waggoner
waggoners
waggoning
waggons
waging
wagon
wagonage
wagonages
wagoned
wagoner
wagoners
wagoning
wagoning
wagon
wags
wagsome
wagtail
wagtails
wahconda
wahcondas
wahine
wahines
wahoo
waltzes
waltzing
waly
wamble
wambled
wambles
wamblier
wambliest
wambling
wambly
wame
wamefou
wamefous
wameful
wamefuls
wames
wammus
wammuses
wampish
wampished
wampishes
wampishing
wampum
wampums
wampus
wampuses
wamus
wamuses
wan
wand
wander
wandered
wanderer
wanderers
wandering
wanderlust
wanderlusts
wanderoo
wanderoos
wanders
wandle
wands
wane
waned
waner
wanes
waney
wangan
warheads
warier
wariest
warily
wariness
warinesses
wareing
wareison
wareisons
wark
warked
warking
warks
warless
warlike
warlock
warlocks
warlord
warlords
warm
warmaker
warmakers
warmed
warmer
warmers
warmest
warming
warmish
warmly
warmness
warmnesses
warmonger
warmongers
warmouth
warmouths
warns
warmth
warmths
warmup
warmups
warn
warned
warner
warners
warning
warnings
warns
warp
warstling
wart
warted
warthog
warthogs
wartier
wartiest
wartime
wartimes
wartlike
warts
warty
warwork
warworks
warworn
wary
was
wash
washable
washboard
washboards
washbowl
washbowls
washcloth
washcloths
washday
washdays
washed
washer
washers
washes
washier
washiest
washing
washings
washington
washout
washouts
washrag
washrags
washroom
washrooms
washtub
washtubs
washy
wasp
waspier
waspie
waterlogs
waterloo
waterloos
waterman
watermark
watermarked
watermarking
watermarks
watermelon
watermelons
watermen
waterpower
waterpowers
waterproof
waterproofed
waterproofing
waterproofings
waterproofs
waters
waterspout
waterspouts
watertight
waterway
waterways
waterworks
watery
wats
watt
wattage
wattages
wattape
wattapes
watter
wattest
watthour
watthours
wattle
wattled
wattles
wattless
wattling
watts
waucht
wauchtied
wauchting
wauchtings
waughts
waught
wearable
wearables
wearer
wearers
weared
wearer
wearies
wearest
weariful
wearily
weariness
wearinesses
wearing
wearish
wearisome
wears
weary
wearying
weasand
weasands
weasel
weaseled
weaselng
weasels
weason
weasons
weather
weathered
weathering
weatherman
weathermen
weatherproof
weatherproofed
weatherproofing
weatherproofs
weathers
weave
weaved
weaver
weavers
weaves
weaving
weazand
weazands
web
webbed
webbier
webbiest
webbing
webbings
webby
weber
webers
webfed
webfeet
webfoot
webless
weble
webs
webster
websters
webworm
webworms
wecht
wechts
wed
wedded
wedder
wedders
wedding
weddings
wedel
wedeled
wedeling
wedeln
wedeln
wedels
wedge
wedged
wedges
wedgie
wedgier
wedgies
wedgiest
wedging
wedgy
wedlock
wedlocks
wednesday
weds
wee
weed
weeded
weeder
weeders
weedier
weevil
weeviled
weevilly
weevils
weevily
weewee
weeweed
weeweeing
weewees
weft
wefts
weftwise
weigela
weigelas
weigelia
weigelas
weigh
weighed
weigher
weighers
weighing
weighman
weighmen
weighs
weight
weighted
weighter
weighters
weightier
weightiest
weighting
weightless
weightlessness
weightlessnesses
weights
weighty
weiner
weiners
weir
weird
weirdier
weirdiest
weirdie
weirdies
weirdly
weirdness
weirdnesses
weirdo
wellheads
wellhole
wellholes
welling
wellness
wellnesses
wells
wellsite
wellsites
wellspring
wellsprings
welsh
welshed
welsher
welshers
welshes
welshing
welt
welted
welter
weltered
weltering
welters
welting
welts
wen
wench
wenched
wencher
wenchers
wenches
wenching
wend
wended
wendigo
wendigos
wending
wends
wennier
wenniest
wennish
wenny
wens
went
wept
were
weregild
weregilds
wharves
what
whatever
whatnot
whatnots
whats
whatsoever
whaup
whaups
wheat
wheal
wheels
wheat
wheatear
wheatears
wheaten
wheats
whee
wheedle
wheedled
wheedler
wheedlers
wheedles
wheedling
wheel
wheelbarrow
wheelbarrows
wheelbase
wheelbases
wheelchair
wheelchairs
wheeled
wheeler
wheelers
wheelie
wheelies
wheeling
wheelings
wheelless
wheelman
wheelmen
wheels
when
wheens
wheep
wheeped
wheeping
wheeple
wheepled
wherries
wherry
wherrying
wherve
wherves
whet
whether
whets
whetstone
whetstones
whetted
whetter
whetters
whetting
whew
whews
whey
wheyey
wheyface
wheyfaces
wheyish
wheys
which
whichever
whicker
whickered
whickering
whickers
whid
whidah
whidahs
whidded
whidding
whids
whiff
whiffed
whiffer
whiffers
whiffet
whiffets
whiffing
whiffle
whiffled
whiffler
whifflers
whiffles
whiffling
whiffs
while
whiled
whiled
whiles
whiling
whilom
whilst
whim
whimbrel
whimbrels
whimper
whimpered
whimpering
whimpers
whims
whimsey
whimseys
whimsical
whimsicalities
whimsicality
whimsically
whimsied
whimsies
whimsy
whin
whinchat
whinchars
whine
whined
whiner
whiners
whines
whiney
whinier
whiniest
whining
whinnied
whinnier
whinnies
whinniest
whinny
whinnying
whins
whiny
whip
whipcord
whipcords
whiplash
whiplashes
whirs
whirry
whirrying
whirs
whish
whished
whishes
whishing
whisht
whishted
whishting
whishts
whisk
whisked
whisker
whiskered
whiskers
whiskery
whiskey
whiskeys
whiskies
whisking
whisks
whisky
whisper
whispered
whispering
whispers
whispery
whist
whisted
whisting
whistle
whistled
whistler
whistlers
whistles
whistling
whists
whit
white
whitebait
whitebaits
whitecap
whitecaps
whited
whitefish
whitefishes
whizz
whizzed
whizzer
whizzers
whizzes
whizzing
who
whoa
whoas
whodunit
whodunits
whoever
whole
wholehearted
wholeness
wholenesses
wholes
wholesale
wholesaled
wholesaler
wholesalers
wholesales
wholesaling
wholesomeness
wholesomenesses
wholism
wholisms
wholly
whom
whomever
whomp
whomped
whomping
whomps
whomso
whoop
whooped
whooppee
whooppees
whooper
whoopers
whooping
whoopla
whooplas
whoops
whoosh
whooshed
whooshes
whooshing
whoosis
whoosises
whop
whopped
whopper
whoppers
whopping
whops
whore
whored
whoredom
whoredoms
whores
whoreson
whoresons
whoring
whorish
whorl
whorled
whorls
whort
whortle
whortles
whorts
whose
whosoever
whosis
whosises
whoso
whossoever
whump
whumped
whumping
whumps
why
whydah
whydahs
whys
wich
wiches
wick
wickape
wickapes
wicked
wickeder
wickedest
wigglers
wiggles
wigglier
wiggliest
wiggling
wiggly
wight
wright
wigless
wiglet
wiglets
wiglike
wigmaker
wigmakers
wigs
wigwag
wigwagged
wigwagging
wigwags
wigwam
wigwams
wikiup
wikiups
wilco
wild
wildcat
wildcats
wildcatted
wildcattling
wilder
wildered
wildering
wilderness
wildernesses
wilders
wildest
wildfire
wildfires
wildfowl
wildfowls
wilding
wildings
wildish
wildlife
wildling
wildlings
wildly
wildness
wildnesses
wilds
wildwood
wildwoods
wile
wiled
wiles
wilful
wilfully
wilier
wiliest
wilily
wiliness
wilinesses
wiling
will
willable
willed
willer
willers
willet
willets
willful
willfully
willied
willies
willing
willinger
willingest
willingly
willingness
williwau
williwaus
williwaw
williwaus
willow
willowed
willower
willowers
willower
willowiest
willowing
willows
willowy
willpower
willpowers
wills
willy
winders
windfall
windfalls
windflaw
windflaws
windgall
windgalls
windier
windiest
windigo
windigos
windily
winding
windings
windlass
windlassed
windlasses
windlassing
windle
windled
windles
windless
windling
windlings
windmill
windmilled
windmilling
windmills
window
windowed
windowing
windowless
windows
windpipe
windpipes
windrow
windrowed
windrowing
windrows
winds
windshield
windshields
windsock
windsocks
windup
windups
windward
windwards
wintles
wintling
wintrier
wintriest
wintrily
wintry
winy
winze
winzes
wipe
wiped
wipeout
wipeouts
wiper
wipers
wipes
wiping
wirable
wire
wired
wiredraw
wiredrawing
wiredrawn
wiredraws
wiredrew
wirehair
wirehairs
wireless
wirelessed
wirelesses
wirelessing
wirelike
wireman
wiremen
wirer
wirers
wires
wiretap
wiretapped
wiretapper
wiretappers
wiretapping
wiretaps
wireway
wireways
wirework
wireworks
wireworm
wireworms
wirier
wiriest
wirily
wiriness
wirinesses
wiring
wirings
wirra
wiry
wisdom
wisdoms
wise
wiseacre
wiseacres
wisecrack
wisecracked
wisecracking
wisecracks
wised
wiselier
wiseliest
wisely
wiseness
wisenesses
wisent
wisents
wiser
wises
wisest
wish
wisha
wishbone
wishbones
wished
wisher
wishers
wishes
wishful
wishing
wishless
wising
wisp
wisped
wispier
wispiest
wispily
withe
withed
wither
withered
witherer
witherers
withering
withers
withes
witheld
withhold
withholding
withholds
withier
withies
withiest
within
withing
within
within
within
without
withouts
withstand
withstanding
withstands
withstood
withy
witing
witless
witlessly
witlessness
witlessnesses
witling
witlings
witloof
witloofs
witness
witnessed
witnesses
witnessing
witney
witneys
wits
witted
witticism
witticisms
witter
wittiest
wittily
woe
woebegone
woeful
woefuller
woefullest
woefully
woenness
woenesses
woes
woesome
woful
wofully
wok
woke
woken
woks
wold
wolds
wolf
wolfed
wolfed
wolfers
wolffish
wolfishes
wolfing
wolfish
wolflike
wolfram
wolframs
wolfs
wolver
wolverine
wolverines
wolvers
wolves
woman
womaned
womanhood
womanhoods
womaning
womanise
womanised
womanises
womanish
womanising
womanize
womanized
womanizes
womanizing
womankind
womankind
womankind
womanlier
womanliest
womanliness
womanliness
womanly
womans
womb
wombat
wombats
wombed
wombier
wombiest
wombs
womby
women
womera
womeras
womera
wommeras
wommeras
womps
won
wonder
wondered
wonderer
wonderers
wonderful
wonderfully
wonderfulness
wonderfulnesses
wondering
wonderland
wonderlands
wonderment
wonderments
wonders
wonderwoman
wondrous
wondrously
wondrousness
wondrousnesses
wonkier
wonkiest
wonky
wonne
wonner
woodlark
woodlarks
woodless
woodlore
woodlores
woodlot
woodlots
woodman
woodmen
woodnote
woodnotes
woodpecker
woodpeckers
woodpile
woodpiles
woodruff
woodruffs
woods
woodshed
woodshedded
woodshedding
woodsheds
woodsia
woodsias
woodsier
woodsiest
woodsman
woodsman
woodsens
woodsy
woodwax
woodwaxes
woodwind
woodwinds
woodwork
woodworks
woodworm
woodworms
woody
wooed
wooer
wooers
woof
woofed
woofed
woofers
woofers
woofing
woofing
woofs
wooing
wooingly
wool
wooled
woolen
woolens
wooler
woolers
woolfell
woolfells
woolgathering
woolgatherings
woolie
woolier
woolies
wooliest
woollen
woollens
woollier
woollies
woolliest
woollike
woolly
woolman
woolmen
woolpack
woolpacks
wools
woolsack
woolsacks
woolshed
woolsheds
woolskin
woolskins
wooly
woomera
woomeras
woops
woorali
wooralis
woorari
wooraris
woos
woosh
wooshed
wooshes
wooshing
woozier
wooziest
wormils
worming
wormish
wormlike
wormroot
wormroots
worms
wormseed
wormseeds
wormwood
wormwoods
wormy
worn
wornness
wornnesses
worried
worrier
worriers
worries
worrisome
worrit
worritied
worriting
worrits
worry
worrying
worse
worsen
worsened
worsening
worsens
worsen
worsens
worser
worses
worset
worsets
worship
worshiped
worshiper
worshipers
worshiping
worshipped
worshipper
worshippers
worshipping
worships
worst
worsted
worsted
wreckage
wreckages
wrecked
wrecker
wreckers
wreckful
wrecking
wreckings
wrecks
wren
wrench
wrenched
wrenches
wrenching
wrens
wrest
wrested
wrester
wresters
wresting
wrestle
wrestled
wrestler
wrestlers
wrestles
wrestling
wrests
wretch
wretched
wretcheder
wretchedest
wretchedness
wretchednesses
wretches
wried
wrier
wries
wriest
wriggle
wriggled
wriggler
wrigglers
wriggles
wrigglier
wriggliest
wriggling
wriggly
wright
wrongfully
wrongfulness
wrongfullnesses
wrongheaded
wrongheadedly
wrongheadedness
wrongheadednesses
wronging
wrongly
wrongs
wrote
wroth
wrothful
wrought
wrung
wry
wryer
wryest
wrying
wryly
wryneck
wrynecks
wryness
wrynesses
wud
wurst
wursts
wurzel
wurzels
wych
wyches
wye
wyes
wyle
wyled
wyles
wyling
wynd
wynds
wynn
wynns
wyte
wyted
wytes
wyting
wyvern
wyverns
xanthate
xanthates
xanthein
xantheins
xanthene
xanthenes
xanthic
xanthin
xanthine
xanthines
xanthins
xanthoma
xanthomas
xanthomata
x anthone
xanthones
xanthous
xebec
xebecs
xenia
xenial
xenias
xenic
xenogamies
xenogamy
xenogenies
xenogeny
xenolith
xenoliths
xenon
xenons
xenophobe
xenophobes
xenophobia
xerarch
xeric
xerosere
xeroseres
xeroses
xerosis
xerotic
xerus
xeruses
xi
xiphoid
xiphoids
xis
xu
xylan
yacked
yacking
yacks
yaff
yaffed
yaffing
yaffs
yager
yagers
yagi
yagis
yah
yahoo
yahooism
yahooisms
yahoos
yaird
yairds
yak
yakked
yakking
yaks
yald
yam
yamen
yamens
yammer
yammered
yammerer
yammerers
yammering
yammers
yams
yamun
yamuns
yang
yangs
yank
yanked
yanking
yanks
yanqui
yanquis
yap
yapock
yapocks
yapok
yapoks
yellowy
yells
yelp
yelped
yelper
yelpers
yelping
yelps
yen
yenned
y彭ning
yens
yenta
yentas
yeoman
yeomanly
yeomanries
yeomanry
yeomen
yep
yerba
yerbas
yerk
yerked
yerkling
yerks
yes
yeses
yeshiva
yeshivah
yeshivahs
yeshivas
yeshivoth
yessed
yses
yessing
yester
yesterday
yesterdays
yestern
yestreen
yestreens
yet
yeti
yetis
yett
yetts
yeuk
yodhs
yodle
yodled
yodler
yodlers
yodles
yodling
yods
yoga
yogas
yogee
yogees
yogh
yoghourt
yoghourts
yoghs
yoghurt
yoghurts
yogi
yogic
yogin
yogini
yoginis
yogins
yogis
yogurt
yogurts
yoicks
yoke
yoked
yokel
yokeless
yokelish
yokels
yokemate
yokemates
yokes
yoking
yolk
yolked
yolkier
yolkiest
yolks
yolky
yom
yomim
yon
yond
yonder
yoni
yonis
yonker
yongers
yore
yores
you
young
younger
youngers
youngest
youngish
youns
youngster
youngsters
younker
younkers
youpon
youchers
your
yourn
yours
yourself
yourselves
youse
youth
youthen
youthened
youthening
youthens
youthful
youthfully
youthfulness
youthfulnesses
youths
yow
yowe
yowed
yowes
yowie
yowies
yowing
yowl
yowled
yowler
yowlers
yowling
zaratites
zareba
zarebas
zareeba
zareebas
zarf
zarfs
zariba
zaribas
zarzuela
zarzuelas
zastruga
zastrugi
zax
zaxes
zayin
zayins
zeal
zealot
zealotries
zealotry
zealots
zealous
zealously
zealousness
zealousnesses
zeals
zeatin
zeatins
zebec
zebeck
zebecks
zebecs
zebra
zebraic
zebras
zebrass
zebrasses
zebrine
zebroid
zebu
zebus
zechin
zechini
zechino
zechinos
zechins
zechin
zechins
zed
zegoaries
zegoary
zeds
zee
zees
zein
zeins
zeitgeist
zeitgeists
zelkova
zelkovas
zemindar
zemindars
zemstvo
zemstvos
zenana
zenanas
zenith
zenithal
zeniths
zeolite
zeolites
zeolitic
zephyr
zephyrs
zeppelin
zeppelins
zero
zeroed
zeroes
zeroing
zeros
zest
zested
zestful
zestfully
zestfulness
zestfullnesses
zestier
zestiest
zesting
zests
zesty
zeta
zetas
zeugma
zeugmas
zibeline
zibelines
zibet
zibeth
zibeths
zibets
zig
zigged
zigging
ziggurat
ziggurats
zigs
zigzag
zigzagged
zigzagging
zigzags
zikkurat
zikkurats
zikurat
zikurats
zilch
zilches
zillah
zillahs
zillion
zillions
zinc
zincate
zincates
zinced
zincic
zincified
zincifies
zincify
zincifying
zincing
zincite
zincites
zincked
zincking
zincky
zincoid
zincous
zincs
zincy
zing
zingani
zingano
zingara
zingare
zingari
zingaro
zinged
zingier
zingiest
zinging
zings
zingy
zinkified
zinkifies
zinkify
zinkifying
zinky
zinnia
zinnias
zip
zipped
zipper
zippered
zippering
zippers
zippiest
zipping
zippy
zips
ziram
zirams
zircon
zirconia
zirconias
zirconic
zirconium
zirconiums
zircons
zither
zithern
zithers
ziti
zitis
zizith
zizzle
zizzled
zizzes
zizzling
zloty
zlotys
zoa
zoaria
zoarial
zoarium
zodiac
zodiacal
zodiacs
zoea
zoae
zoeal
zoeas
zoftig
zoic
zoisite
zoisites
zombi
zombie
zombies
zombiasm
zombiisms
zombis
zonal
zonally
zonary
zonate
zonated
zonation
zonations
zone
zoned
zoneless
zoner
zoners
zones
zonetime
zontimes
zoning
zonked
zonula
zonulae
zonular
zonulas
zonule
zonules
zoo
zoochore
zochores
zoogenic
zooglea
zoogleae
zoogleal
zoogleas
zoogloeaa
zoogloeae
zoogloeas
zooid
zooidal
zooids
zooks
zoolater
zoolaters
zoolaties
zoolatry
zoologic
zoological
zoologies
zoologist
zoologists
zoology
zoom
zoomania
zoomanias
zoomed
zoometrics
zoometry
zooming
zoomorph
zoomorphs
zooms
zoon
zoonal
zoonoses
zoonosis
zoonotic
zoons
zoophile
zoophilae
zoophyte
zoophytes
zoos
zoosperm
zoosperms
zoospore
zymoses
zymosis
zymotic
zymurgies
zymurgy

Found in path(s):

No license file was found, but licenses were detected in source scan.

-able
-acea
-aceae
-aceous
-ad
-ade
-aemia
-age
-agogue
-al
-ales
-algia
-ally
-amine
-an
-ana
-ance
-ancy
-androus
-andry
-ane
-ant
-ar
-arch
-archy
-ard
-arian
-arium
-art
-ary
-ase
-asis
-aster
-ate
-ation
-ative
-ator
-ie
-ier
-ify
-ile
-in
-inae
-ine
-ing
-ion
-ious
-ise
-ish
-ism
-ist
-istic
-ite
-itis
-itol
-ity
-ium
-ive
-ize
-kin
-lalia
-latry
-lepsy
-less
-let
-like
-ling
-lite
-lith
-lithic
-log
-logue
-logy
-ly
-lysis
-lyte
-lytic
-mancy
-mania
-mantic
-mas
-ment
-mer
-mere
-merous
ACTH
AD
ADP
AEC
AF
AFB
AFC
AFL-CIO
AGC
AHQ
AL
ALGOL
AM
AMP
ANZUS
AP
APC
AQ
AS
ASSR
ATC
ATP
ATS
Aachen
Aalborg
Aalesund
Aalst
Aalto
Aarau
Aargau
Aarhus
Aaron
Aaron's rod
Aaronic
Ab
Abadan
Abaddon
Abba
Abbasid
Abbevillian
Abbey Theatre
Abdias
Abdul-Hamid II
Abednego
Abel
Abelard
Abeokuta
Aberdare
Aberdeen
Aberdeen Angus
Abib
Abidjan
Abigail
Abilene
Abingdon
Abnaki
Abney level
Abraham
Abruzzi
Absalom
Abu Simbel
Abu-Bekr
Abukir
Abydos
Abyssinia
Abyssinian cat
Ac
Acadia
Acadian
Acapulco
Accad
Accra
Aceldama
Achaea
Achaean
Achaean League
Achaemenid
Achates
Achelous
Achernar
Acheron
Achilles
Achilles heel
Achilles tendon
Achitophel
Acis
Aconcagua
Acre
Acrilan
Actaeon
Actium
Acton
Acts of the Apostles
Adam
Adam's ale
Adam's apple
Adam's-needle
Adam-and-Eve
Adamic
Adamite
Adams
Adams-Stokes syndrome
Adana
Adapa
Adar
Adar Sheni
Addams
Addington
Addis Ababa
Addison
Addison's disease
Addressograph
Adelaide
Aden
Adenauer
Adige
Adigranth
Adirondack Mountains
Adler
Adm.
Admetus
Admiralty Islands
Admiralty Range
Admiralty mile
Adonai
Adonic
Adonis
Adowa
Adrastus
Adrenalin
Adrian
Adrian IV
Adrianople
Adrianople red
Adriatic
Adriatic Sea
Aduwa
Advent Sunday
Adventist
Aegaeon
Aegean
Aegean Islands
Aegean Sea
Aeges
Agni
Agnus Dei
Agra
Agram
Agricola
Agrigento
Agrippa
Aguascalientes
Agulhas
Ahab
Ahasuerus
Ahithophel
Ahmedabad
Ahmednagar
Ahriman
Ahura Mazda
Ahvenanmaa
Ahwaz
Aidoneus
Ain
Aintab
Ainu
Air National Guard
Airdrie
Airedale
Aisha
Aisne
Aitken
Aix-en-Provence
Aix-la-Chapelle
Ajaccio
Ajax
Ajmer
Akan
Akbar
Akihito
Akkad
Akkadian
Akkerman
Akмолinsk
Akron
Aksum
Al
Al Hufuf
Al Sirat
Ala.
Alabama
Aladdin
Alagez
Alagoas
Alamein
Alamo
Alaric
Alas.
Alaska
Alaska Highway
Alaska Peninsula
Alaska Range
Alaskan malamute
Alb.
Alba
Alba Longa
Albacete
Albania
Albanian
Albany
Albemarle Sound
Alberich
Albert
Albert Edward
Albert I
Alberta
Alberti
Albertus Magnus
Albi
Albigenses
Albinus
Albion
Alboin
Albuquerque
Alcaeus
Alcaic
Alcan Highway
Alcatraz
Acleste
Acestis
Alcibiades
Aldizes
Acmene
Alcoholics Anonymous
Alcoran
Alcott
Alcuin
Alyone
Ald.
Aldan
Aldebaran
Alderney
Aldershot
Aldine
Aldus Manutius
Alecto
Aleksandropol
Aleksandrovsk
Alemani
Alemanic
Aleppo
Aleppo gall
Alessandria
Aleut
Aleutian
Aleutian Islands
Alexander
Alexander Archipelago
Alexander I
Alexander I Island
Alexander II
Alexander III
Alexander Nevski
Alexander VI
Alexander the Great
Alexandra
Alexandretta
Alexandria
Alexandrian
Alexandrine
Alexis Mikhailovich
Alfieri
Alfonso XIII
Alfred the Great
Alg.
Algeciras
Alger
Algeria
Algerian
Algiers
Algol
Algonkian
Algonquian
Algonquin
Algonquin Park
Alhambra
Ali
Ali Baba
Alva
Alzheimer's disease
Am
Am.
Amagasaki
Amalekite
Amarillo
Amaryllis
Amati
Amazon
Amazonas
Ambala
Amboina
Amboise
Ambrose
Ambrosian chant
Amen
Amen-Ra
Amenhotep III
Amenhotep IV
Amer.
America
America's Cup
American
American Beauty
American Expeditionary Forces
American Indian
American Revised Version
American Revolution
American Samoa
American Standard Version
American Stock Exchange
American aloe
American chameleon
American cheese
American cloth
American eagle
American plan
American saddle horse
American trypanosomiasis
American water spaniel
Americana
Americanism
Americanist
Americanize
Americano
Amerigo Vespucci
Amerind
Andes
Andhra Pradesh
Andizhan
Andorra
Andrea del Sarto
Andrearof Islands
Andrew
Andrewes
Andrews
Androcles
Andromache
Andromeda
Andros
Andvari
Aneto
Angara
Angarsk
Angeleno
Angelico
Angell
Angelus
Angers
Angevin
Angkor
Angl.
Anglesey
Anglia
Anglian
Anglican
Anglican Church
Anglicanism
Anglice
Anglicism
Anglicist
Anglicize
Anglo-
Anglo-American
Anglo-Catholic
Anglo-French
Anglo-Indian
Anglo-Irish
Anglo-Norman
Anglo-Saxon
Anglomania
Anglophile
Anglophobe
Anglophobia
Angola
Angora
Angora cat
Angora goat
Angora rabbit
Angra Mainyu
Angra do Heroismo
Anguilla
Angus
Angus Og
Anhalt
Anhwei
Anjou
Ankara
Anking
Ann Arbor
Anna
Annam
Annamese
Annapolis
Annapolis Royal
Annapurna
Anne
Anne Boleyn
Anne of Austria
Anne of Bohemia
Anne of Cleves
Annecy
Anschauung
Anschluss
Anselm
Ansermet
Antabuse
Antaeus
Antakiya
Antalya
Antananarivo
Antarctic
Antarctic Circle
Antarctic Ocean
Antarctic Peninsula
Antarctic Zone
Antarctica
Antares
Anthony
Anthony of Padua
Anti-Lebanon
Antibes
Antichrist
Anticosti
Antietam
Antifederalist
Antigone
Antigonus I
Antigua
Antilles
Antioch
Antiochus III
Antiochus IV
Antipater
Antipodes
Antisana
Antisthenes
Antlia
Antofagasta
Antoinette
Antoninus
Antoninus Pius
Antonius
Antony
Antony and Cleopatra
Antrim
Antung
Antwerp
Anu
Anubis
Anuradhapura
Anvers
Anzac
Anzio
Aorangi
Apache
Aparri
Apeldoorn
Apelles
Apennines
Aphrodite
Api
Apis
Apo
Apoc.
Apocalypse
Apocrypha
Apollinaire
Apollo
Apollo Belvedere
Apollonian
Apollonius
Apollyon
Apostles' Creed
Apostolic Fathers
Apostolic See
Appalachea
Appalachian
Appalachian Mountains
Appaloosa
Appenzell
Appian Way
Appleton
Appleton layer
Appomattox
Apr.
April
April fool
Apuleius
Apulia
Apure
Apus
Aqaba
Aquarius
Aquila
Aquileia
Aquinas
Aquitaine
Ar
Ar Rimal
Ar.
Ara
Arab
Arab League
Arab.
Arabia
Arabia Deserta
Arabian
Arabian Desert
Arabian Sea
Arabian camel
Arabic
Arabic numerals
Arabist
Araby
Arachne
Arad
Arafura Sea
Aragats
Aragon
Aral Sea
Aram
Aramaic
Aranyaka
Arapaho
Ararat
Aras
Araucania
Araucanian
Arawak
Arawakan
Arawn
Araxes
Arbela
Arbil
Arbuthnot
Arcadia
Arcadian
Arch.
Archaean
Archaeozoic
Archangel
Archean
Archeozoic
Archer
Archilochus
Archimedes
Archimedes' principle
Archimedes' screw
Archipenko
Arctic
Arctic Circle
Arctic Ocean
Arctic Zone
Arctogaea
Arcturus
Ard
Arden
Ardennes
Areopagite
Areopagus
Arequipa
Ares
Aretino
Arezzo
Arg.
Argand burner
Argand lamp
Argenteuil
Argentina
Argentine
Argive
Argo
Argolis
Argonaut
Argos
Argus
Argus-eyed
Argyll
Argyrol
Arhat
Ariadne
Arian
Arianism
Arianrhod
Arica
Ariel
Aries
Ariminum
Ariosto
Aristaeus
Aristarchus
Aristides
Aristippus
Aristophanes
Aristotelian
Aristotelian logic
Aristotelianism
Aristotle
Arius
Ariz.
Arizona
Arjuna
Ark.
Arkansas
Arkhangelsk
Arkwright
Arlberg
Arles
Arlington
Arm.
Armada
Armageddon
Armagh
Armagnac
Armenia
Armenian
Arminius
Armistice Day
Armstrong
Arne
Arnhem
Arno
Arnold
Arp
Arran
Arras
Arrhenius
Arru Islands
Art Nouveau
Artaxerxes I
Artaxerxes II
Artemis
Arthur
Arthurian
Articles of Confederation
Articles of War
Artois
Aru Islands
Aruba
Arundel
Aruwimi
Aryan
Aryanize
As
Ashen
Ascanius
Ascension
Ascension Day
Asch
Ascham
Asclepiadean
Asclepius
Ascot
Asgard
Ash Wednesday
Ashanti
Ashcroft
Asher
Ashford
Ashkhabad
Ashton
Ashton-under-Lyne
Ashtoreth
Ashur
Ashurbanipal
Asia
Asia Minor
Asian
Asian flu
Asiatic
Asiatic beetle
Asiatic cholera
Asiatic flu
Asir
Ask
Askja
Asmara
Asmodeus
Asoka
Aspasia
Asperges
Aspinwall
Asquith
Assam
Assamese
Asshur
Assiniboine
Assisi
Assiut
Associated Press
Assuan
Assur
Assurbanipal
Assyry.
Assyria
Assyrian
Assyriology
Astair
Astarte
Asti
Astolat
Aston
Astor
Astoria
Astrakhan
Asturias
Astyanax
Asur
Aswan
Asyut
At
Atabrine
Atacama Desert
Atahualpa
Atalanta
Atbara
Ate
Aten
Athabaska
Athamas
Athanasian
Athanasian Creed
Athanasius
Athagaskan
Atharva-Veda
Athelstan
Athena
Athenian
Athens
Athos
Atkinson
Atlanta
Atlantean
Atlantic
Atlantic Charter
Atlantic City
Atlantic Intracoastal Waterway
Atlantic Ocean
Atlantic Provinces
Atlantis
Atlas
Atlas Mountains
Atli
Atomic Energy Commission
Aton
Atreus
Atropos
Att. Gen.
Attic
Attic salt
Attica
Atticism
Attila
Attis
Attlee
Attorney General
Attu
Au
Aube
Aubervilliers
Aubrey
Auckland
Aude
Auden
Audubon
Audubon Society
Audubon's warbler
Auer
Aug.
Augean
Augean stables
Auger effect
Augsburg
August
Augusta
Augustan
Augustine
Augustinian
Augustus
Aulic Council
Aunt Sally
Aurangzeb
Aurelian
Aurelius
Aureomycin
Auriga
Aurignacian
Auriol
Aurora
Aus.
Auschwitz
Ausgleich
Aussie
Aust.
Austen
Auster
Austerlitz
Austin
Austral.
Australasia
Australia
Australian
Australian Alps
Australian Capital Territory
Australian ballot
Australian crawl
Australian terrier
Australoid
Australopithecus
Australorp
Austrasia
Austria
Austria-Hungary
Austro-
Austroasiatic
Austronesia
Austronesian
Auth. Ver.
Authorized Version
Autoharp
Autolycus
Auvergne
Aux Cayes
Av
Avalokitesvara
Avalon
Avar
Ave
Ave Maria
Ave.
Avebury
Avellaneda
Aventine
Avernus
Averroes
Averroism
Avertin
Aves
Avesta
Avestan
Aveyron
Aveyron
Averno
Avicenna
Avignon
Avlona
Avlonia
Avogadro
Avogadro's law
Avon
Axminster carpet
Axum
Ayacucho
Ayer
Ayesha
Aylesbury
Aymara
Ayr
Ayrshire
Ayub Khan
Ayurveda
Azazel
Azerbaijan
Azerbaijani
Azikiwe
Azilian
Azores
Azov
Azrael
Aztec
B
B battery
B complex
B horizon
B'nai B'rith
B-
B.A.
B.A.A.
B.Arch.
B.B.C.
B.C.
B.C.E.
B.C.L.
B.Ch.
B.D.
B.D.S.
B.E.
B.E.F.
B.E.M.
B.Ed.
B.L.
B.Litt.
B.M.
B.Mus.
B.O.
B.O.D.
B.P.
B.Phil.
B.R.C.S.
B.S.
B.S.S.
B.Sc.
B.T.U.
B.V.
B.V.M.
B/D
B/E
B/F
B/P
B/S
BAL
BAR
BB
BCD
BM
BS
BX cable
Ba
Baal
Baalbek
Bab el Mandeb
Babar
Babbage
Babbitt
Babbitt metal
Babbitttry
Babel
Baber
Babeuf
Babi
Babism
Babur
Babylon
Babylonia
Babylonian
Babylonian captivity
Bacardi
Bacchae
Bacchic
Bacchus
Bach
Bach trumpet
Bachelor of Arts
Bachelor of Science
Bacolod
Bacon
Baconian method
Bactria
Bactrian camel
Bad Godesberg
Bad Lands
Badajoz
Badalona
Baden
Baden-Powell
Badoglio
Baeda
Baedeker
Baeyer
Baez
Baffin Bay
Baffin Island
Bagdad
Baghdad
Baghot
Baugua
Baguio
Bahais
Bahamas
Bahasa Indonesia
Bahia
Bahrain
Baikal
Bailey bridge
Bailly
Baily's beads
Bairam
Baird
Baja California
Bakelite
Baker
Bakst
Baku
Bakunin
Bala
Balaaam
Balakirev
Balaklava
Balanchine
Balaton
Balbo
Balboa
Balder
Baldwin
Baldwin I
Balearic Islands
Balenciaga
Balfour
Balfour Declaration
Bali
Balikpapan
Balinese
Bannockburn
Bantam
Banting
Bantu
Bantustan
Banville
Baptist
Barabbas
Barbados
Barbarossa
Barbary
Barbary Coast
Barbary ape
Barber
Barbera
Barbirolli
Barbizon School
Barbuda
Barbusse
Barca
Barcelona
Barclay de Tolly
Bareilly
Barents Sea
Bari
Baring
Barmecidal
Barmecide
Barnabas
Barnard
Barnardo
Barnaul
Barnsley
Barocchio
Baroda
Baroja
Barozzi
Barquisimeto
Barranquilla
Barrault
Barrie
Barros
Barrow
Barry
Barrymore
Barsac
Bart.
Barth
Bartholomew
Bartlett
Bartolommeo
Barton
Baruch
Bas-Rhin
Basel
Basenji
Bashan
Bashkir
Basie
Basil
Basildon
Basilian
Basilicata
Baskerville
Basket Maker
Basle
Basque
Basque Provinces
Basra
Bass Strait
Basse-Terre
Basses-Alpes
Basseterre
Bastia
Bastille Day
Bastogne
Basuto
Basutoland
Bataan
Batan Islands
Batangas
Batavia
Bates
Bath
Bath chair
Bath stone
Bathsheba
Bathurst
Batista
Baton Rouge
Battle of Britain
Baucis
Baudelaire
Baudouin I
Bauer
Bauhaus
Baum
Bautzen
Bavaria
Bavarian cream
Bax
Bayard
Bayern
Bayeux tapestry
Bayle
Bayonne
Bayreuth
Baziotes
Be
Beach-la-Mar
Beaconsfield
Beadle
Beaker folk
Beardsley
Beat Generation
Beatty
Beaufort
Beaufort Sea
Beaufort scale
Beauharnais
Beaujolais
Beaumarchais
Beaumont
Beaune
Beauvais
Beauvoir
Beaverboard
Beaverbrook
Bebel
Bechuana
Bechuanaland
Becket
Beckett
Beckford
Beckmann
Becquerel
Bede
Bedford
Bedford cord
Bedfordshire
Bedivere
Bedlington terrier
Bedloe's Island
Bedouin
Berezina
Berezniki
Berg
Bergama
Bergamo
Bergen
Bergerac
Bergius
Bergman
Bergson
Bergsonism
Beria
Bering
Bering Sea
Bering Strait
Beriosova
Berkeleian
Berkeleianism
Berkeley
Berkshire
Berlin
Berlioz
Bermejo
Bermuda
Bermuda grass
Bermuda onion
Bermuda rig
Bermuda shorts
Bern
Bernadette
Bernadotte
Bernard
Bernard of Clairvaux
Bernardine
Bernese Alps
Bernese mountain dog
Bernhardt
Bernina
Bernina Pass
Bernini
Bernoulli
Bernstein
Berry
Bertillon system
Berwick
Berwick-upon-Tweed
Berzelius
Bes
Besant
Bessarabia
Bessel
Bessel function
Bessemer converter
Bessemer process
Betelgeuse
Bethany
Bethe
Bethel
Bethesda
Bethlehem
Bethsaida
Betjeman
Betti
Beulah
Beuthen
Bevan
Beveridge
Beverly Hills
Bevin
Bewick
Beyrouth
Bhagavad-Gita
Bharat
Bhili
Bhopal
Bhutan
Bi
Biafra
Biak
Bialystok
Biarritz
Bias
Bib.
Bibl.
Bible
Bible Belt
Bible paper
Bible school
Biblical
Biblical Latin
Biblicist
Biddle
Biedermeier
Biel
Bielefeld
Bienne
Bierce
Bifrost
Big Ben
Big Bertha
Big Board
Big Dipper
Big Five
Bihar
Bihari
Biisk
Bikaner
Bikini
Bikol
Bilbao
Bildungsroman
Bill of Rights
Billiton
Billy the Kid
Bim
Binet-Simon scale
Bingen
Binh Dinh
Bini
Bircher
Bird
Birkenhead
Birmingham
Bisayas
Biscay
Bisitun
Bisk
Biskra
Bismarck
Bismarck Archipelago
Bismarck herring
Bissau
Bisutun
Bithynia
Bitolj
Bitter Lakes
Biysk
Bizerte
Bizet
Bk
Black
Black Country
Black Death
Black Forest
Black Friar
Black Hand
Black Hills
Black Maria
Black Mass
Black Monk
Black Mountains
Black Muslim
Black Panther
Black Power
Black Prince
Black Rod
Black Russian
Black Sea
Black Volta
Black Watch
Black and Tan
Blackbeard
Blackburn
Blackburnian warbler
Blackett
Blackfoot
Blackpool
Blackstone
Blackwall hitch
Blackwood
Blagoveschensk
Blake
Blanc
Blaue Reiter
Blavatsky
Blenheim
Blenheim spaniel
Blessed Sacrament
Blessed Virgin
Blida
Bligh
Blindheim
Bliss
Bloch
Bloemfontein
Blois
Blok
Bloody Mary
Bloomfield
Bloomington
Bloomsbury
Blue Mountains
Bolivar
Bolivia
Bologna
Bolognese
Bolshevik
Bolshevism
Bolshevist
Bolton
Boltzmann
Boltzmann constant
Bolzano
Bomarc
Bombay
Bombay duck
Bon
Bona
Bonaire
Bonaparte
Bonaventura
Bonaventure
Bonheur
Boniface
Bonin Islands
Bonn
Bonnard
Bonny
Book of Common Prayer
Book of Mormon
Boole
Boolean algebra
Boone
Booth
Bootle
Bora Bora
Bordeaux
Bordeaux mixture
Bordelaise
Border terrier
Boreas
Borgerhout
Borges
Borghese
Borgia
Borglum
Born
Borneo
Bornholm
Bornholm disease
Bornu
Borodin
Borodino
Borrow
Bors
Bosanquet
Bosch
Bose
Bose-Einstein statistics
Bosnia
Bosnia and Herzegovina
Bosporus
Bossuet
Boston
Boston Tea Party
Boston bag
Boston cream pie
Boston ivy
Boston rocker
Boston terrier
Boswell
Bosworth Field
Botany Bay
Botany wool
Botha
Bothnia
Bothwell
Botswana
Botticelli
Bottrop
Botvinnik
Boucher
Boucicaut
Boudicca
Bougainville
Boulanger
Boulder Dam
Boulogne
Boult
Bourbon
Bourbonism
Bourgeois
Bourges
Bourgogne
Bourguiba
Bournemouth
Bourse
Bouvier des Flandres
Bowery
Bowie
Boxer
Boxing Day
Boyd
Boyle
Boyle's law
Boyne
Boz
Bozcaada
Bozen
Br
Br.
Brabant
Bracknell
Bradford
Bradley
Braga
Bragg
Bragg's law
Bragi
Brahe
Brahma
Brahman
Brahmana
Brahmani
Brahmanism
Brahmaputra
Brahmi
Brahmin
Brahms
Brahui
Braille
Brakpan
Bramante
Brancusi
Brandenburg
Brandt
Brantford
Braque
Brasil
Bratislava
Braun
Braunschweig
Braz.
Brazil
Brazil nut
Brazzaville
Breda
Breed's Hill
Bregenz
Bremen
Bremerhaven
Bren gun
Brenner Pass
Brentwood
Brescia
Breslau
Brest
Bretagne
Breton
Bretton Woods Conference
Breuer
Breughel
Brewster
Brewster chair
Brezhnev
Brian Boru
Briand
Briard
Briareus
Bride
Bridge
Bridge of Sighs
Bridgeport
Bridges
Bridget
Bridgetown
Bridgman
Brie
Brig.
Briggs
Bright
Bright's disease
Brighton
Brigid
Brigit
Brillat-Savarin
Brindisi
Brinell number
Brisbane
Bristol
Bristol Channel
Bristol board
Bristol fashion
Brit
Brit.
Britain
Britannia
Britannia metal
Britannic
Briticism
British
British Antarctic Territory
British Columbia
British Commonwealth of Nations
British East Africa
British Empire
British Guiana
British Honduras
British India
British Isles
British Legion
British Museum
British North America
British Somaliland
British Virgin Islands
British West Africa
British West Indies
British gum
British thermal unit
Britisher
Britishism
Briton
Brittany
Brittany spaniel
Britten
Brix scale
Brno
Broad
Broad Church
Broades
Broadway
Brobdignagian
Broca
Brocken
Broglie
Broken Hill
Bromberg
Bromley
Bronx
Bronx cheer
Bronze Age
Brook Farm
Buchenwald
Buchmanism
Buchner
Buck
Buckingham
Buckingham Palace
Buckinghamshire
Bucovina
Budapest
Buddh Gaya
Buddha
Buddhism
Buddhology
Budge
Budget
Budweis
Buena Vista
Buenaventura
Buenos Aires
Buffalo
Buffalo Bill
Buffet
Buffon
Bug
Buitenzorg
Bujumbura
Bukavu
Bukhara
Bukharin
Bukovina
Bul
Bulawayo
Bulg.
Bulganin
Bulgar
Bulgaria
Bulgarian
Bulge
Bull
Bull Run
Bullpup
Bulwer-Lytton
Buna
Bunche
Bund
Bundelkhand
Bundesrat
Bundestag
Bunin
Bunker Hill
Bunsen
Bunsen burner
Bunyan
Buonaparte
Buonarroti
Bur.
Burbage
Burberry
Burgas
Burgenland
Burgess
Burghley
Burgoyne
Burgundy
Burke
Burleigh
Burley
Burlington
Burma
Burma Road
Burmese
Burmese cat
Burne-Jones
Burnet
Burnett
Burney
Burnley
Burns
Burroughs
Bursa
Burschenschaft
Burton
Burundi
Burushaski
Bury St. Edmunds
Buryat
Bushido
Bushire
Bushman
Busoni
Busra
Bute
Butler
Buxtehude
Bydgoszcz
Byelorussian
Byelostok
Byng
Byrd
Byron
Bytom
Byz.
Byzantine
Byzantine Church
Byzantine Empire
Byzantium
C
C battery
C clef
C horizon
C.
C. of S.
C.A.
C.A.F.
C.B.
C.B.D.
C.B.E.
C.C.
C.D.
C.E.
C.F.
C.G.
C.I.
C.I.O.
C.M.G.
C.O.
C.O.D.
C.P.
C.R.
C.S.
C.T.
C.V.O.
C/A
C/N
CAA
CAB
CAP
CARE
CAT
CB
CENTO
CIA
CNS
CO
Calais
Calchas
Calcutta
Calder
Caldwell
Caledonia
Caledonian
Caledonian Canal
Calgary
Cali
Caliban
Calicut
Calif.
California
California poppy
Caligula
Callaghan
Callao
Callas
Callicrates
Callimachus
Calliope
Callisto
Calpe
Caltanissetta
Calvados
Calvary
Calvary cross
Calvert
Calvin
Calvinism
Calypso
Cam
Camb.
Cambodia
Cambrai
Cambria
Cambrian
Cambridge
Cambidgeshire
Cambyses
Camden
Camelopardalis
Camelopardus
Camelot
Camembert
Camenae
Cameroon
Cameroun
Camorra
Campagna
Campania
Campbell
Campbell-Bannerman
Campbellite
Campeche
Campina Grande
Campinas
Campion
Campo Formio
Campo Grande
Campobello
Campos
Camus
Can.
Cana
Canaan
Canaanite
Canad.
Canada
Canada balsam
Canada goose
Canada thistle
Canadian
Canadian French
Canadian River
Canadian bacon
Canadian football
Canadian whiskey
Canadianism
Canal Zone
Canaletto
Canara
Canarese
Canary Islands
Canaveral
Canberra
Cancer
Candia
Candidot
Candlemas
Canea
Canes Venatici
Canicula
Canis Major
Canis Minor
Cannae
Cannes
Canning
Canopic jar
Canopus
Canossa
Canova
Canso
Cant.
Cantabrigian
Cantal
Canterbury
Canterbury bell
Canticle of Canticles
Canton
Canton River
Canton crepe
Canton flannel
Cantonese
Canuck
Canute
Cap-Haitien
Capablanca
Cape Cod
Cape Colony
Cape Dutch
Cape Horn
Cape Town
Cape buffalo
Capella
Capernaum
Capet
Capetian
Capitol
Capitoline
Caporetto
Cappadocia
Capri
Capri pants
Capricorn
Capt.
Capua
Capuchin
Caracalla
Caracas
Caravaggio
Carboloy
Carbonari
Carboniferous
Carborundum
Carcassonne
Carchemish
Card.
Cardiff
Cardigan
Cardigan Bay
Cardiganshire
Carducci
Carew
Carey
Caria
Carib
Caribbean
Caribbean Sea
Cariboo Mountains
Carina
Carinthia
Carlisle
Carlist
Carlos
Carlota
Carlovingian
Carlow
Carlsbad
Carlton
Carlyle
Carmarthen
Carmarthenshire
Carmel
Carmelite
Carnap
Carnarvon
Carnatic
Carnegie
Carniola
Carnot
Carnot cycle
Caro's acid
Carol II
Carolina
Caroline
Caroline Islands
Carolingian
Carolinian
Carpathian Mountains
Carpatho-Ukraine
Carpentaria
Carpenter
Carrara
Carrel
Carroll
Carson
Carson City
Carstensz
Cartagena
Carte
Carter
Carteret
Cartesian
Cartesian coordinates
Carthage
Carthusian
Cartier
Cartier-Bresson
Cartwright
Caruso
Carver
Cary
Casablanca
Casals
Casanova
Casaubon
Cascade Range
Casement
Cashmere
Caslon
Caspar
Casparian strip
Caspian
Caspian Sea
Cassandra
Cassatt
Cassegrainian telescope
Cassel
Cassel yellow
Cassino
Cassiodorus
Cassiopeia
Cassirer
Cassius Longinus
Castalia
Castelo Branco
Castiglione
Castile
Cavour
Cawnpore
Caxton
Cayenne
Cayes
Cayman Islands
Cayuga
Cb
Cd
Cdr.
Ce
Cecil
Cecilia
Cecropia moth
Cecrops
Cedar Rapids
Celaeno
Celanese
Celebes
Celestial City
Celestial Empire
Cellini
Celluloid
Celsius
Celsius scale
Celt
Celt.
Celtic
Celtic cross
Cenis
Cenozoic
Centaurus
Central African Empire
Central African Federation
Central America
Central Intelligence Agency
Central Powers
Central Treaty Organization
Central time
Centralia
Cephalonia
Cepheid variable
Cepheus
Ceram
Cerberus
Cerenkov
Cerenkov radiation
Ceres
Cerro Gordo
Cerro de Pasco
Cervantes
Cervin
Cesarean
Cesena
Cetinje
Ceto
Cetus
Ceuta
Ceylon
Ceylon moss
Ceyx
Cf
Ch.B.
Ch.E.
Chablis
Chaco
Chad
Chadwick
Chaeronea
Chagall
Chagas' disease
Chagres
Chain
Chalcidice
Chalcis
Chaldea
Chaldean
Chaliapin
Cham
Chamaeleon
Chamberlain
Chambertin
Chamonix
Chamorro
Champagne
Champlain
Champollion
Chancellor of the Exchequer
Chancellorsville
Chandigarh
Chandler
Chandragupta
Chanel
Changchun
Changsha
Changteh
Channel Islands
Chantilly
Chantilly lace
Chanukah
Chao Phraya
Chaoan
Chaplin
Chapman
Charcot
Chardin
Charente
Charente-Maritime
Char
Chari-Nile
Charing Cross
Charlemagne
Charleroi
Charles
Charles I
Charles II
Charles IV
Charles IX
Charles Martel
Charles V
Charles VI
Charles VII
Charles X
Charles the Great
Charles' law
Charles's Wain
Charleston
Charlotte
Charlotte Amalie
Charlottenburg
Charlottetown
Charlton
Charon
Charpentier
Charterhouse
Chartism
Chartres
Charybdis
Chatham
Chatham Islands
Chattanooga
Chattanooga
Chatterton
Chaucer
Chaucerian
Chibcha
Chibchan
Chicago
Chichihaerh
Chickamauga
Chickasaw
Chiclayo
Chief of Staff
Chifley
Chihli
Chihuahua
Chile
Chile saltpeter
Chilkoot Pass
Chillon
Chilon
Chilpancingo
Chiltern Hundreds
Chilung
Chimborazo
Chinkent
Chin.
China
China Sea
China aster
China rose
China silk
China tree
Chinaman
Chinatown
Chindwin
Chinese
Chinese Chippendale
Chinese Empire
Chinese Revolution
Chinese Turkestan
Chinese Wall
Chinese cabbage
Chinese calendar
Chinese checkers
Chinese ink
Chinese lantern
Chinese puzzle
Chinese red
Chinese wax
Chinese white
Chinese windlass
Chinese wood oil
Christina
Christlike
Christly
Christmas
Christmas Eve
Christmas Island
Christmas cactus
Christmas card
Christmas disease
Christmas pudding
Christmas rose
Christmas stocking
Christmas tree
Christmastide
Christo-
Christogram
Christology
Christophany
Christophe
Christopher
Christy
Chron.
Chronicles
Chrysostom
Chu Teh
Chubb
Chadskoye Ozero
Chukchi
Chukchi Sea
Chumash
Chungking
Chur
Church of Christ
Church of England
Church of Rome
Churchill
Chuvash
Ci
Cibber
Cicero
Ciceronian
Cid
Cienfuegos
Ciliata
Cilicia
Cilician Gates
Cimabue
Cimbri
Cimmerian
Cimon
Cincinnati
Cincinnatus
Cinderella
Cinemascope
Cinerama
Cinque Ports
Cipango
Circassia
Circassian
Circe
Circinus
Circus Maximus
Cirenaica
Cisalpine Gaul
Ciscaucasia
Cistercian
City of God
Ciudad Trujillo
Ciudad Victoria
Cl
Clackmannan
Clactonian
Clare
Clarenceux
Clarendon
Clark
Claudel
Claudius II
Clausewitz
Clausius
Clavius
Clay
Cleanthes
Cleisthenes
Clemenceau
Clemens
Clement I
Clement V
Clement VII
Clement of Alexandria
Cleobulus
Cleon
Cleopatra
Cleopatra's Needle
Clermont-Ferrand
Cleveland
Clichy
Clifford
Clio
Clisthenes
Clive
Clotho
Clouet
Clough
Clovis I
Cluj
Cluny
Cluny lace
Clyde
Clydebank
Clydesdale
Clytemnestra
Cm
Cmdr.
Cnidus
Cnossus
Cnut
Co
Co.
Coahuila
Coatbridge
Coates
Cobbett
Cobden
Cobham
Coblenz
Coburg
Cochabamba
Cochin
Cochise
Cockaigne
Cockayne
Cockcroft
Cocos Islands
Cocteau
Cocytus
Cod
Codex Juris Canonici
Cody
Coeur de Lion
Cognac
Cohen
Coimbatore
Coimbra
Cointreau
Coke
Col.
Colbert
Colchester
Colchis
Coldstream Guards
Coleridge
Colet
Colette
Coligny
Colima
College of Cardinals
Collins
Colmar
Colo.
Cologne
Cologne brown
Colombes
Colombia
Colombo
Colonel Blimp
Colorado
Colorado Desert
Colorado Springs
Colorado beetle
Colorado potato beetle
Colossae
Colosseum
Colossian
Colossians
Colt
Colum
Columba
Columbia
Columbian
Columbine
Columbus
Columbus Day
Com.
Com. Ver.
Coma Berenices
Comanche
Comanchean
Comdr.
Comdt.
Comenius
Comines
Congressional Record
Congressional district
Congreve
Conn.
Connacht
Connaught
Connecticut
Conrad
Cons.
Conservatism
Conservative Jew
Conservative Judaism
Conservative Party
Constable
Constance
Constant
Constantia
Constantine
Constantine I
Constantine II
Constantinople
Continental Congress
Conway
Cooch Behar
Cook
Cook Inlet
Cook Islands
Cook Strait
Cook's tour
Coolidge
Cooper
Cooper's hawk
Coorg
Copenhagen
Copenhagen blue
Copernicus
Copland
Copley
Copt
Coptic
Coptic Church
Cor.
Cora
Coral Sea
Corby
Corcovado
Corcyra
Cordelier
Crete
Creuse
Crichton
Crick
Crimea
Crimean War
Cripple Creek
Cripps
Criseyde
Crispi
Crispin
Cro-Magnon
Cro-Magnon man
Croat
Croatia
Croatian
Croce
Crockett
Crocodile River
Croesus
Croix de Guerre
Crompton
Cromwell
Cronus
Crookes
Crookes tube
Crosby
Cross
Croton bug
Crow
Croydon
Cruikshank
Crutched Friar
Crux
Cs
Ctesiphon
Cu
Cub
Cuba
Cuba libre
Cuban heel
Cuenca
Cufic
Culbertson
Culebra Cut
Culver's root
Cumae
Cumaean sibyl
Cuman
Cumberland
Cummings
Cunaxa
Cuneo
Cupid
Cupid's bow
Curia Regis
Curie
Curie point
Curie's law
Curie-Weiss law
Curitiba
Curry
Curtin
Curzon
Cusco
Cush
Cushing
Cushing's disease
Cushitic
Custer
Cutch
Cuthbert
Cuxhaven
Cuyp
Cuzco
Cwmbran
Cybele
Cyclades
Cyclopean
Cyclops
Cydnus
Cygnus
Cymric
Cymry
Cynewulf
Cynic
Cynicism
Cynthia
Cyprian
Cypriot
Cyprus
Cyrano de Bergerac
Cyrenaic
Cyrenaica
Cyrene
Cyril
Cyrillic
Cyrus
Cythera
Cytherea
Cyzicus
Czech
Czech.
Czechoslovak
Czechoslovakia
Czernowitz
Czerny
D
D and C
D region
D'Annunzio
D'Entrecasteaux Islands
D'Oyly Carte
D-day
D.
D.A.
D.B.E.
D.C.
D.C.L.
D.C.M.
D.D.
D.D.S.
D.Eng.
D.F.
D.F.C.
D.J.
D.O.
D.O.A.
D.O.M.
D.P.
D.P.H.
D.P.W.
D.S.
D.S.C.
D.S.M.
D.S.O.
D.Sc.
D.V.
D.V.M.
D/A
D/F
D/L
D/O
D/W
DC
DD
DDT
DEW line
DM
DMSO
DMZ
DNA
DOVAP
DX
Dacca
Dachau
Dacia
Dacron
Dada
Daedalus
Dagan
Dagda
Dagenham
Dagon
Daguerre
Dagwood sandwich
Dahna
Dahomey
Dairen
Dak.
Dakar
Dakin's solution
Dakota
Daladier
Dalai Lama
Dale
Dalhousie
Dali
Dallapiccola
Dallas
Dalmatia
Dalmatian
Dalton
Dalton's law
Dam
Daman
Damaraland
Damascene
Damascus
Damascus steel
Damien
Damietta
Damocles
Damon and Pythias
Dampier
Dan
Dan.
Danaides
Danaus
Dandie Dinmont
Dane
Danegeld
Danelaw
Daniel
Daniell cell
Danish
Danish West Indies
Danish blue
Danish pastry
Dano-Norwegian
Dante
Danton
Danu
Danube
Danzig
Daphne
Daphnis
Daphnis and Chloe
Dapsang
Dar es Salaam
Darby and Joan
Dardan
Dardanelles
Dardanus
Darfur
Darien
Darius I
Darius III
Darjeeling
Dark Ages
Darlan
Darling
Darling Range
Darling River
Darlington
Darmstadt
Darnley
Dartmoor
Dartmouth
Darvon
Darwin
Darwinian
Darwinism
Dasht-i-Kavir
Dasht-i-Lut
Daubigny
Daudet
Daugava
Daugavpils
Daumier
Dauphin
Davao
David
David I
Davies
Davis
Davis Strait
Davy
Davy Jones
Davy lamp
Dawes
Dawson
Dawson Creek
Day of Atonement
Day of Judgment
Dayak
Dayan
Dayton
Daytona Beach
De Forest
De La Warr
De Mille
De Quincey
De Soto
De Stijl
De Vries
Dead Sea
Dead Sea Scrolls
Deak
Dearborn
Death
Death Valley
Deauville
Deborah
Debrecen
Debs
Debussy
Dec.
Den.
Denbighshire
Deneb
Denmark
Denmark Strait
Denton
Denver
Denys
Deo gratias
Deo volente
Department of Agriculture
Department of Commerce
Department of Defense
Department of Justice
Department of Labor
Derain
Derbent
Derby
Derbyshire
Derry
Derwent
Des Moines
Descartes
Desmoulins
Dessalines
Dessau
Detroit
Deucalion
Deus
Deut.
Deuteronomy
Deutschland
Devanagari
Deventer
Devereux
Devi
Devil's Island
Devon
Devonian
Devonshire cream
Dewar
Dewey
Dexamyl
Dexedrine
Dexter
Dezhnev
Dhahran
Dhammapada
Dhaulagiri
Di
Diaghilev
Diana
Dias
Diaspora
Diaz
Dick
Dick test
Dickens
Dickinson
Dictaphone
Dictograph
Didache
Diderot
Dido
Diefenbaker
Diels-Alder reaction
Dieppe
Dies Irae
Diesel
Dietrich
Dijon
Dike
Dilantin
Dimitrovo
Din.
Dinah
Dinaric Alps
Dinesen
Dinka
Diocletian
Diodorus Siculus
Diogenes
Diomede Islands
Diomedes
Dione
Dionysia
Dionysiac
Dionysian
Dionysius
Dionysius Exiguus
Dionysius of Halicarnassus
Dionysus
Diophantus
Dior
Dioscuri
Dirac
Directoire
Dirichlet
Dis
Disciples of Christ
Dismal Swamp
Disney
Disraeli
Distinguished Conduct Medal
Distinguished Flying Cross
Distinguished Service Cross
Distinguished Service Medal
Distinguished Service Order
District of Columbia
Distrito Federal
Diu
Dives
Divine Mind
Dixie
Dixieland
Djakarta
Djambi
Djerba
Djokjakarta
Dneprodzerzhinsk
Dnepropetrovsk
Dnieper
Dniester
Dobell's solution
Doberman pinscher
Dobruja
Doctor of Philosophy
Dodecanese
Dodge City
Dodgem
Dodgson
Dodona
Doe
Doenitz
Dog Star
Dogberry
Dogger Bank
Doha
Dollfuss
Dolly Varden
Dolomites
Dom
Dom.
Domesday Book
Domett
Dominic
Dominica
Dominican
Dominican Republic
Dominion Day
Dominus
Domitian
Don
Don Juan
Don Quixote
Donar
Donatello
Donatist
Donatus
Donau
Doncaster
Donegal
Donets
Donetsk
Dongola
Donna
Donne
Doolittle
Doomsday Book
Doorn
Doppler effect
Doppler radar
Dorado
Dorcas
Dorcas society
Dorchester
Dordogne
Dordrecht
Dorian
Dorian mode
Doric
Doris
Dorking
Dorpat
Dorset
Dorset Horn
Dort
Dortmund
Dos Passos
Dou
Douai
Douala
Du Barry
Du Gard
Du Guesclin
Du Maurier
Du.
DuPont
Dual Alliance
Dual Monarchy
Duala
Dubai
Dublin
Dubonnet
Dubrovnik
Dubuffet
Duccio di Buoninsegna
Duchamp
Dudley
Duero
Dufy
Duhamel
Duisburg
Dukas
Dulles
Duluth
Dumas
Dumbarton
Dumbarton Oaks
Dumfries
Dumuzi
Dumyat
Dun Laoghaire
Duna
Dunaj
Dunant
Dunbar
Dunbarton
Duncan
Duncan I
Duncan Phyfe
Dundalk
Dundee
Dunedin
Dunfermline
Dungeness crab
Dunker
Dunkirk
Dunlop
Dunois
Duns Scotus
Dunsany
Dunsinane
Dunstable
Dunstan
Dupleix
Duplessis-Mornay
Dur.
Duralumin
Durango
Durazzo
Durban
Durga
Durham
Durkheim
Duroc
Durrell
Dutch
Dutch Belted
Dutch East Indies
Dutch Guiana
Dutch New Guinea
Dutch West Indies
Dutch auction
Dutch cap
Dutch cheese
Dutch courage
Dutch door
Dutch elm disease
Dutch gold
Dutch metal
Dutch oven
Dutch rush
Dutch treat
Dutch uncle
Dutchman
Dutchman's-breeches
Dutchman's-pipe
Duvalier
Dvina
Dvina Bay
Dvinsk
Dy
Dyak
Dyaus
Dylan
Dynel
Dzerzhinsk
Dzungaria
E
E layer
E region
E-boat
E.
E.E.
E.E. & M.P.
E.I.
E.R.
E.T.A.
E.T.D.
E.V.
EAM
ECG
EDP
EEC
EEG
EFTA
EHF
EKG
EP
EPA
ERS
ESE
ESP
EVA
Ea
Eakins
Ealing
Earhart
Earl Marshal
Early Bird
Early Christian
Early English
Early Renaissance
East
East Anglia
East Bengal
East Berlin
East Cape
East China Sea
East End
East Flanders
East Germanic
East Germany
East India Company
East Indies
Edgeworth
Edinburgh
Edirne
Edison
Edison effect
Edmonton
Edmund I
Edmund II
Edo
Edom
Edomite
Edward
Edward I
Edward II
Edward III
Edward IV
Edward V
Edward VI
Edward VII
Edward VIII
Edward the Confessor
Edwardian
Edwards
Edwin
Efik
Eg.
Egbert
Eger
Egeria
Egmont
Egypt
Egyptian
Egyptology
Ehrenburg
Ehrlich
Eichmann
Eiffel
Eiffel Tower
Eijkman
Eindhoven
Einstein
Einstein shift
Einstein theory
Eire
Eisenach
Eisenhower
Eisenhower jacket
Eisenstein
Eisk
Ekaterinburg
Ekaterinodar
Ekaterinoslav
El Alamein
El Capitan
El Cid Campeador
El Dorado
El Ferrol
El Greco
El Mansura
El Misti
El Obeid
El Paso
El Salvador
Elagabalus
Elaine
Elam
Elamite
Elamitic
Elba
Elbe
Elbert
Elbrus
Elburz Mountains
Eldorado
Ela
Eleanor of Aquitaine
Eleatic
Electra
Electra complex
Eleusinian mysteries
Eleusis
Elgar
Elgin marbles
Elgon
Eli
Elia
Elias
Elijah
Eliot
Elis
Elisabeth
Elisabethville
Elisavetgrad
Elisavetpol
Elisha
Eliz.
Elizabeth
Elizabeth I
Elizabeth II
Elizabethan
Ellesmere Island
Ellice Islands
Ellington
Ellis
Elohim
Elohist
Elsinore
Elul
Ely
Elyot
Elyotan
Elysian
Elysium
Elzevir
Emancipation Proclamation
Emden
Emerald Isle
Emerson
Emilia-Romagna
Eminence
Emmanuel
Emmen
Emmy
Emp.
Empedocles
Empire Day
Empire State
Empirin
Empson
Enceladus
Enderby Land
Endymion
Enesco
Enfield
Enfield rifle
Eng.
Engadine
Engels
England
English
English Channel
English bond
English horn
English ivy
English muffin
English red
English saddle
English setter
English sonnet
English sparrow
English springer spaniel
English toy spaniel
English walnut
Englishism
Englishman
Englishman's tie
Englishry
Enid
Eniwetok
Enki
Enlil
Ennis
Ennius
Enoch
Enos
Ens.
Enschede
Ensor
Entebbe
Enugu
Enver Pasha
Enyo
Eocene
Eogene
Eolian
Eolic
Eolithic
Eos
Eozoic
Ep.
Epaminondas
Eph.
Ephesian
Ephesians
Ephesus
Ephialtes
Ephraim
Ephraimites
Epictetus
Epicurean
Epicureanism
Epicurus
Epidaurus
Epigoni
Epimenides
Epiph.
Epiphany
Epirus
Epis.
Episcopalian
Epistle
Epping Forest
Epsom
Epstein
Equatorial Guinea
Equuleus
Er
Erasmus
Erastian
Erastianism
Erato
Eratosthenes
Erbil
Erebus
Erechtheum
Erechtheus
Ereshkigal
Erfurt
Erhard
Eric the Red
Ericson
Eridanus
Erie
Eric Canal
Erigena
Erin
Eris
Eritrea
Ervian
Erlanger
Erlenmeyer flask
Ernst
Eros
Erse
Erskine
Erymanthian boar
Erymanthus
Erzurum
Es
Esau
Esbjerg
Escaut
Esorial
Escurial
Esd.
Esdras
Eskilstuna
Eskimo
Eskimo dog
Eskimo-Aleut
Eskisehir
Esperanto
Esq.
Esquiline
Esquimaau
Essen
Essene
Essequibo
Essex
Established Church
Establishment
Estates General
Este
Esth.
Esther
Esthonia
Estienne
Estonian
Estremadura
Et
Eteocles
Eth.
Ethelbert
Ethelred II
Etherege
Ethiop
Ethiopia
Ethiopian
Ethiopic
Etma
Eton
Eton collar
Eton jacket
Etruria
Etruscan
Etzel
Eu
Euboea
Eucharist
Eucken
Euclid
Euclidean geometry
Euhemerus
Euler
Eumenides
Euphrates
Euphrosyne
Eur.
Eurasia
Eurasian
Euratol
Eure
Eure-et-Loir
Euripides
Euroclydon
Euromarket
Europa
Europe
European
European Economic Community
European Free Trade Association
European plan
Europeanize
Eurus
Euryale
Eurydice
Eurystheus
Eusebius
Eusebius of Caesarea
Eustachian tube
Euterpe
Euxine Sea
Evans
Evanston
Evansville
Eve
Evelyn
Everest
Everglades
Everyman
Evesham
Evora
Evvoia
Ewe
Ex.
Exc.
Excalibur
Exeter
Exmoor
Exod.
Explorer
Extremadura
Eyre
Eyre Peninsula
Ez.
Ezek.
Ezekiel
Ezra
F
F clef
F layer
F region
F.A.M.
F.A.S.
F.B.A.
F.D.
F.I.
F.O.
F.P.
F.Z.S.
FA
FAA
FAO
FBI
FCA
FCC
FDA
FDIC
FM
FORTRAN
FPC
FSH
FTC
Fabian
Fabian Society
Fabianism
Fabius Maximus
Fabre
Fabrikoid
Faenza
Faeroese
Fafnir
Fahrenheit
Fahrenheit scale
Fe
Feast of Dedication
Feast of Lanterns
Feast of Tabernacles
Feast of Weeks
Feb.
February
February Revolution
Fechner
Fed.
Federal Bureau of Investigation
Federal Communications Commission
Federal Power Commission
Federal Reserve System
Federal Reserve note
Federal Trade Commission
Federalist Party
Federated Malay States
Feininger
Fellini
Fenian
Fenrir
Ferdinand
Ferdinand I
Ferdinand II
Ferdinand III
Ferdinand V
Fergus
Fermanagh
Fermat
Fermat's last theorem
Fermat's principle
Fermi
Fermi-Dirac statistics
Fernandel
Fernando de Noronha
Ferrara
Ferris wheel
Ferrol
Fertile Crescent
Fervidor
Fescennine
Festschrift
Feuchtwanger
Feuillant
Fez
Fezzan
Fianna
Fianna Fail
Fichte
Fichtean
Fidei Defensor
Fides
Field
Fielding
Fields
Fiesole
Fife
Fifth Republic
Fiji
Fijian
Filipino
Fillmore
Fin.
Fingal's Cave
Finisterre
Finland
Finn
Finney
Finnic
Finnish
Finno-Ugrian
Finno-Ugric
Finsen
Finsteraarhorn
Firdausi
Firenze
First Empire
First International
First Republic
First World War
Fischer
Fisher
Fitzgerald
Fitzsimmons
Fiume
Five Nations
Five-Year Plan
Fl.
Fla.
Flag Day
Flagstad
Flaminian Way
Flaminius
Flamsteed
Flanders
Flaxman
Fleet Air Arm
Fleet Street
Fleetwood
Flem.
Fleming
Flemish
Flemish bond
Flemish horse
Flemish knot
Fletcher
Fletcherism
Flettner control
Fleury
Flinders Range
Flinders bar
Flint
Flintshire
Flodden
Flora
Florence
Florence flask
Florentine
Flores
Flores Sea
Florey
Florida
Florida moss
Florio
Flotow
Floyd
Flushing
Fly River
Flying Dutchman
Fm
Foch
Foggia
Fokine
Fokker
Folkestone
Folketing
Folsom man
Fomalhaut
Fonda
Fontainebleau
Fonteyn
Foochow
Foot Guards
Francesca
Francis
Francis I
Francis Xavier
Francis of Assisi
Francis of Sales
Franciscan
Franck
Franco
Franco-
Franco-Prussian War
Franconia
Franconian
Francophile
Francophobe
Franglais
Frank
Frankenstein
Frankfort
Frankfurter
Frankish
Franklin
Franklin stove
Franz Ferdinand
Franz Josef Land
Frascatic
Fraser
Frau
Frauenfeld
Fraunhofer
Fraunhofer lines
Frazer
Frederick Barbarossa
Frederick I
Frederick II
Frederick III
Frederick William
Frederick William I
Frederick William III
Frederick William IV
Fredericksburg
Fredericton
Frederiksborg
Free Soil Party
Free State
Freemason
Freetown
Frei
Freiburg
Fremantle
French
French Academy
French Cameroons
French Canadian
French Community
French Equatorial Africa
French Guiana
French Guinea
French India
French Indochina
French Morocco
French Oceania
French Polynesia
French Revolution
French Revolutionary calendar
French Somaliland
French Sudan
French Union
French West Africa
French West Indies
French and Indian War
French bean
French bread
French bulldog
French chalk
French cuff
French curve
French door
French dressing
French fried potatoes
French heel
French horn
French ice cream
French kiss
French knot
French leave
French lug
French pastry
French pitch
French polish
French pox
French roof
French seam
French telephone
French toast
French-polish
Fuad I
Fuegian
Fugger
Fuji
Fukien
Fukuoka
Fula
Fulani
Fuller
Fullerton
Fulton
Funchal
Fundy
Furness
Furnivall
Fushih
Fyn
G
G clef
G-man
G-string
G-suit
G.
G.A.
G.A.R.
G.B.
G.B.E.
G.C.B.
G.C.F.
G.C.M.
G.H.Q.
G.I.
G.M.
G.O.
G.O.P.
G.P.
G.P.O.
G.P.U.
G.S.
GAO
GATT
GCA
GI
GI Joe
GMT
GPO
GQ
GT
Gallice
Gallicism
Gallicize
Gallo-
Gallo-Romance
Galloway
Gallup
Galois theory
Galsworthy
Galtung
Galvani
Galveston plan
Galway
Galwegian
Gama
Gambetta
Gambia
Gambier Islands
Gambrinus
Gand
Ganda
Gandhi
Gandhi cap
Gandhism
Gandzha
Ganesa
Ganesha
Ganges
Gantrisin
Ganymede
Gao
Garamond
Garand rifle
Garbo
Gard
Garda
Garden of Eden
Gardiner
Garfield
Gargantua
Garibaldi
Garner
Garnett
Garonne
Garrick
Garter
Gary
Gascon
Gascony
Gaskell
Gaspar
Gasser
Gates
Gateshead
Gath
Gatha
Gatling gun
Gauguin
Gauhati
Gaul
Gauleiter
Gaulish
Gaullism
Gaullist
Gauss
Gaussian distribution
Gaussian integer
Gautama
Gautier
Gawain
Gay
Gay-Lussac
Gaya
Gayomart
Gaza
Gaza Strip
Gaziantep
Gd
Gdynia
Ge
GeV
Geber
Geelong
Geez
Gehenna
Geiger
Geiger counter
Geisel
Geissler tube
Geist
Gelderland
Gelsenkirchen
Gemara
Gemini
Gen
Gen.
General Assembly
Genesis
Geneva
Geneva Convention
Geneva bands
Geneva gown
Genevan
Genghis Khan
Genl.
Genoa
Genoese
Genova
Genseric
Gent
Gentile
Gentoo
Geoffrey of Monmouth
Geordie
George
George I
George II
George III
George IV
George Town
George V
George VI
Georgetown
Georgette
Georgia
Georgian
Georgian Bay
Ger.
Gera
Gerlachovka
German
German Baptist Brethren
German Democratic Republic
German East Africa
German Ocean
German cockroach
German knot
German measles
German shepherd
German silver
Germanic
Germanicus Caesar
Germanism
Germanize
Germanophile
Germanophobe
Germany
Germinal
Germiston
Geronimo
Gers
Gershwin
Geryon
Gesta Romanorum
Gestalt psychology
Gestapo
Gesualdo
Gethsemane
Getty
Gettysburg
Gettysburg Address
Geulincx
Gezira
Ghana
Ghats
Gheber
Ghent
Ghibelline
Ghiberti
Ghirlandaio
Gi
Giacometti
Gibbon
Gibbons
Gibeon
Gibeonite
Gibraltar
Gibran
Gibson
Gibson Desert
Gibson girl
Gide
Gideon
Gielgud
Gifu
Gigantes
Gigantopithecus
Gigli
Gila monster
Gilbert
Gilbert Islands
Gilbertian
Gilbertine
Gilead
Gileadite
Gilgamesh
Gillespie
Gilolo
Gilson
Giorgione
Giotto
Gipsy
Giraud
Giraudoux
Girgenti
Gironde
Girondist
Gisborne
Gish
Gissing
Giulio Romano
Gladstone
Gladstone bag
Glagolitic
Glarus
Glaser
Glasgow
Glaswegian
Glauber's salt
Glaucce
Glazunov
Gleiwitz
Glencoe
Glendower
Glinka
Gliwice
Glomma
Gloria
Gloria Patri
Glorious Revolution
Gloucester
Gloucestershire
Gluck
Gnostic
Gnosticism
Gnosticize
Goa powder
Gobelin
Gobi
God
God's acre
God-fearing
God-given
God-man
Godard
Godavari
Goddard
Godefroy de Bouillon
Godesberg
Godhead
Godiva
Godolphin
Godspeed
Godthaab
Godunov
Godwin
Godwin Austen
Goebbels
Goering
Goethe
Gog
Gog and Magog
Gogh
Gogol
Goidelic
Golconda
Gold Coast
Golden Delicious
Golden Fleece
Golden Gate
Golden Horde
Golden Horn
Golding
Goldoni
Goldschmidt
Goldsmith
Golgi
Golgi body
Golgotha
Goliath
Gomel
Gomorrah
Gompers
Gomulka
Goncourt
Gond
Gondar
Gondi
Gongorism
Gonzales
Good Book
Good Friday
Good Shepherd
Goodman
Goodwin Sands
Goodyear
Gordian knot
Gordon
Gordon setter
Gorgias
Gorgon
Gorgonian
Gorgonzola
Gorizia
Gorki
Gorky
Gorlovka
Gorno-Badakhshan Autonomous Region
Gorton
Goshen
Gospel
Gosplan
Gosse
Gotama
Goth
Goth.
Gotha
Gotham
Gothenburg
Gothic
Gothic arch
Gothic novel
Gothicism
Gothicize
Gotland
Gouda
Goudy
Gould
Gounod
Gourmont
Gov.
Govt.
Gower
Goya
Gr.
Graafian follicle
Gracchus
Grace
Graeae
Graecize
Graeco-
Graeco-Roman
Graf
Graham
Graham Land
Grahame
Graiae
Grail
Grainger
Gram's method
Gram-negative
Gram-positive
Gramophone
Gran Canaria
Gran Chaco
Granada
Granados
Grand Bahama
Grand Banks
Grand Canal
Grand Canyon
Grand Coulee
Grand Falls
Grand Guignol
Grand Lama
Grand Manan
Grand Master
Grand Mufti
Grand National
Grand Old Party
Grand Prix
Grand Rapids
Grandma Moses
Grange
Granicus
Granjon
Grant
Granta
Granth
Granville-Barker
Graphophone
Grasmere
Gratian
Grattan
Graves
Graves' disease
Gravesend
Gravettian
Gray
Gray Friar
Gray's Inn
Graz
Great Australian Bight
Great Barrier Reef
Great Basin
Great Bear
Great Bear Lake
Great Britain
Great Dane
Great Divide
Great Dividing Range
Great Dog
Great Lakes
Great Leap Forward
Great Mogul
Great Ouse
Great Plains
Great Power
Great Pyrenees
Great Rebellion
Great Russian
Great Salt Lake
Great Sandy Desert
Great Schism
Great Slave Lake
Great Smoky Mountains
Great Victoria Desert
Great Vowel Shift
Great War
Great Week
Great Yarmouth
Greater
Greater Antilles
Greater Sunda Islands
Grecian
Grecism
Grecize
Greco
Greco-
Greco-Roman
Greece
Greek
Greek Catholic
Greek Church
Greek Orthodox Church
Greek Revival
Greek cross
Greek fire
Greeley
Green
Green Mountain Boys
Green Mountains
Green River
Greenaway
Greenback Party
Greene
Greenland
Greenland Sea
Greenland whale
Greenock
Greensboro
Greenwich
Greenwich Village
Gregorian
Gregorian calendar
Gregorian chant
Gregorian mode
Gregorian telescope
Gregory
Gregory I
Gregory VII
Gregory XIII
Gregory of Nyssa
Gregory of Tours
Grenada
Grenadines
Grendel
Grenoble
Grenville
Gresham
Gresham's law
Gretta Green
Greuze
Grey
Grieg
Griffith
Grignard reagent
Grillparzer
Grim Reaper
Grimaldi
Grimaldi man
Grimm
Grimm's law
Grimsby
Griqua
Gris
Grisons
Grodno
Groenendael
Grolier
Gromyko
Groningen
Gropius
Gros
Grosswardein
Grosz
Grote
Grotius
Groves
Grozny
Grub Street
Grundy
Grundyism
Grus
Guadalajara
Guadalcanal
Guadalquivir
Guadalupe Hidalgo
Guadeloupe
Guadiana
Guam
Guanabara
Guanajuato
Guarani
Guardafui
Guardi
Guarneri
Guarnerius
Guat.
Guatemala
Guayaquil
Gudrun
Guelders
Guelph
Guernica
Guernsey
Guerrero
Guevara
H.M.
H.M.S.
H.P.
H.Q.
H.R.
H.R.H.
H.S.H.
H.S.M.
H.V.
HE
HF
HG
Haakon VII
Haarlem
Hab.
Habakkuk
Habana
Haber process
Habsburg
Haddington
Hades
Hadhramaut
Hadrian
Hadrian's Wall
Haeckel
Haftarah
Hag.
Hagar
Hagen
Haggadah
Haggai
Haggard
Hagiographa
Hague
Hague Tribunal
Hahn
Hahnemann
Haida
Haidar Ali
Haiduk
Haifa
Haig
Hail Mary
Haile Selassie
Hainan
Hainaut
Haiphong
Haiti
Haitian
Haitian Creole
Hakenkreuz
Hakluyt
Hakodate
Halafian
Halakah
Haldane
Hale
Haleakala
Halicarnassus
Halifax
Hall
Hall effect
Hall of Fame
Halle
Hallel
Halley
Halley's Comet
Halloween
Hallowmas
Halmahera
Halmstad
Hals
Hama
Hamamatsu
Hambletonian
Hamburg
Hamelin
Hamhung
Hamilcar Barca
Hamilton
Hamiltonian
Hamite
Hamitic
Hamito-Semitic
Hamlet
Hammerfest
Hammond
Hammond organ
Hammurabi
Hampden
Hampshire
Hampstead
Hampton
Hampton Roads
Hamsun
Han
Han Cities
Hancock
Handel
Handy
Hangchow
Hankow
Hannah
Hannibal
Hannover
Hanoi
Hanover
Hanoverian
Hansard
Hanse
Hanseatic
Hanseatic League
Hansen's disease
Hanukkah
Hanuman
Hanyang
Haphtarah
Hapsburg
Harappa
Harar
Harbin
Hardecanute
Hardenberg
Harding
Hardy
Hargeisa
Hargreaves
Harijan
Harlem
Harley
Harley Street
Harlow
Harmsworth
Harney Peak
Harold I
Harold II
Harpy
Harrar
Harriman
Harris
Harris Tweed
Harristburg
Harrison
Harrovian
Harrow
Hart
Harte
Hartford
Hartley
Hartmann
Harun al-Rashid
Harvey
Hasa
Hasdrubal
Hasid
Hasidism
Hassan II
Hastings
Hatfield
Hathaway
Hathor
Hatshepsut
Hatteras
Hauptmann
Hausa
Haut-Rhin
Haute-Garonne
Haute-Loire
Haute-Marne
Haute-Savoie
Haute-Vienne
Hautes-Alpes
Havana
Haversian canal
Havre
Hawaii
Hawaiian
Hawaiian guitar
Hawkins
Haworth
Hawthorne
Haydn
Hazlitt
Hb
He
Hearst
Heath
Heavenly City
Heaviside
Heaviside layer
Heb.
Hebbel
Hebe
Hebraic
Hebraism
Hebraist
Hebraize
Hebrew
Hebrew calendar
Hebrews
Hebrides
Hebron
Hecate
Hector
Hecuba
Hedjaz
Heerlen
Hefner candle
Hegel
Hegelian
Hegelian dialectic
Hegelianism
Hegira
Heidegger
Heidelberg
Heidelberg man
Heiduc
Heifetz
Heilbronn
Heilungkiang
Heimdall
Heine
Heinie
Heisenberg
Heisenberg uncertainty principle
Hejaz
Hejira
Hekate
Hel
Heldentenor
Helen
Helena
Helgoland
Helicon
Heligoland
Heliochrome
Heliogabalus
Heliopolis
Helios
Helladic
Hellas
Helle
Hellen
Hellene
Hellenic
Hellenism
Hellenist
Hellenistic
Hellenize
Helles
Hellespont
Helmand
Helmholtz
Helot
Helsinki
Helvellyn
Helvetia
Helvetian
Helvetic
Helvetii
Hemel Hempstead
Hemingway
Hengelo
Hengist
Henley-on-Thames
Henry
Henry I
Henry II
Henry III
Henry IV
Henry V
Henry VI
Henry VII
Henry VIII
Henry's law
Henslowe
Henze
Hepburn
Hephaestus
Hepplewhite
Heptateuch
Hera
Heraclia
Heraclides
Heraclid
Heraclitean
Heracliteanism
Heraclitus
Herakleion
Herat
Herbart
Herbartian
Herbert
Hercegovina
Herculaneum
Hercules
Hercules' club
Herder
Here
Hereford
Herefordshire
Herisau
Hermann
Hermaphroditus
Hermes
Hermes Trismegistus
Hermitage
Hermitian conjugate
Hermitian matrix
Hermon
Herne
Hero
Herod
Herod Antipas
Herodias
Herodotus
Heron
Herophilus
Herr
Herrenvolk
Herrick
Herriot
Herschel
Hertford
Hertfordshire
Hertha
Hertz
Hertzian wave
Hertzog
Hertzsprung-Russell diagram
Herzegovina
Herzl
Heshvan
Hesiod
Hesione
Hesper
Hesperian
Hesperides
Hesperus
Hess
Hesse
Hesse-Nassau
Hessian
Hessian boots
Hessian fly
Hestia
Hesychast
Heterousian
Hevesy
Hexateuch
Heyduck
Heyerdahl
Heywood
Hezekiah
Hf
Hg
Hialeah
Hiawatha
Hibernia
Hibernicism
Hickok
Hidalgo
Hieronymus
High Church
High Court of Justice
High German
High Holy Day
High Mass
High Renaissance
High Tatra
Highland
Highland fling
Highlander
Highlands
Highness
Hilary of Poitiers
Hilbert
Hildebrand
Hildesheim
Hill
Hillary
Hillel
Hilliard
Hilversum
Himachal Pradesh
Himalayas
Himeji
Himmler
Himyarite
Himyaritic
Hinayana
Hind.
Hindemith
Hindenburg
Hindenburg line
Hindi
Hindoo
Hindu
Hindu Kush
Hinduism
Hindustan
Hindustani
Hines
Hinshelwood
Hipparchus
Hippo Regius
Hippocrates
Hippocratic oath
Hippocrine
Hippolytus
Hippomenes
Hiram
Hirohito
Hiroshige
Hiroshima
Hispania
Hispanic
Hispanicism
Hispanicize
Hispaniola
Hitchcock
Hitchcock chair
Hitlerism
Hittite
Ho
Ho Chi Minh
Hoad
Hobart
Hobbema
Hobbes
Hobbism
Hobbs
Hoboken
Hobson's choice
Hochheimer
Hodeida
Hodgkin
Hodgkin's disease
Hoek van Holland
Hoenir
Hofmannsthal
Hofuf
Hogarth
Hogg
Hogue
Hohelnorden
Hohenlohe
Hohenstaufen
Hohenzollern
Hokkaido
Hokusai
Holartic
Holbein
Holiness
Holinshed
Holland
Hollander
Hollandia
Hollands
Holly
Hollywood
Holmes
Holocaine
Holocene
Holofernes
Holst
Holstein
Holt
Holy Alliance
Holy Bible
Holy City
Holy Communion
Holy Family
Holy Father
Holy Ghost
Holy Grail
Holy Innocents' Day
Holy Joe
Holy Land
Holy Office
Holy Roller
Holy Roman Empire
Holy Saturday
Holy Scripture
Holy See
Holy Spirit
Holy Thursday
Holy Trinity
Holy Week
Holy Writ
Holy Year
Holyhead
Home
Home Office
Home Secretary
Homer
Homeric
Homeric laughter
Homestead Act
Homo
Homo sapiens
Homoiousian
Homousian
Homs
Honan
Hond.
Hondo
Honduras
Honegger
Honest John
Hong Kong
Honolulu
Honor
Honshu
Hooch
Hood
Hoogh
Hooghly
Hook of Holland
Hooke
Hooke's law
Hooker
Hoover
Hoover Dam
Hope
Hopeh
Hopi
Hopkins
Hopper
Horace
Horae
Horatian ode
Horeb
Hormuz
Horn
Horney
Horologium
Horowitz
Horsa
Horse Guards
Horta
Hortense
Horthy
Horus
Hos.
Hosea
Hospitaler
Hospitalet
Host
Hotien
Hottentot
Houdan
Houdini
Houdon
Houphouet-Boigny
House
House of Commons
House of Keys
House of Lords
House of Representatives
Housman
Houston
Howard
Howe
Howland Island
Howrah
Hoxta
Hoyle
Hrvatska
Hsining
Hsinking
Huambo
Hubbard squash
Huddersfield
Hudibrastic
Hudson
Hudson Bay
Hudson River
Hudson seal
Hudson's Bay Company
Huelva
Hufuf
Hugh Capet
Hughes
Hughie
Hugo
Huguenot
Hull
Humber
Humboldt
Humboldt Current
Hume
Humism
Humperdinck
Humphrey
Hun
Hunan
Hundred Years' War
Hung.
Hungarian
Hungarian goulash
Hungary
Hungnam
Hunnish
Hunt
Huntingdon
Huntingdonshire
Huntsville
 Hunyadi
Huon pine
Hupeh
Huron
Hus
Husain
Husein ibn-Ali
Huss
Husserl
Hussite
Huston
Huxley
Huygens
Huysmans
Hwang Hai
Hwang Ho
Hyacinthus
Hyades
Hyde
Hyde Park
Hyder Ali
Hyderabad
Hydra
Hydrus
Hygeia
Hyksos
Hymen
Hymettus
Hyperborean
Hyperion
Hypnos
Hyrcania
Hz
I
I Ching
I'm
I've
I-beam
I.C.
I.C.S.
I.D.
I.F.S.
I.M.
I.N.D.
I.O.O.F.
I.R.A.
I.T.U.
I.V.
I.W.W.
IAEA
IAS
IATA
IC
ICAO
ICBM
ICJ
ICSH
ID
ID card
IDA
IE
IF
IFC
IHS
Ignatius
Igorot
Igraine
Ikhnaton
Ila
Ilia
Iliad
Ilion
Illium
Ill.
Illampu
Ille-et-Vilaine
Illimani
Illinois
Illyria
Illyrian
Illyricum
Ilocano
Iloilo
Immaculate Conception
Immanuel
Immelmann turn
Imp.
Imperial
Imphal
In
Inanna
Inauguration Day
Inc.
Inca
Inchon
Ind
Ind.
Independence
Independence Day
Independent
Index Librorum Prohibitorum
India
India ink
India paper
India print
India rubber
Indiaman
Indian
Indian Desert
Indian Empire
Indian Mutiny
Indian Ocean
Indian Territory
Indian agent
Indian bread
Indian club
Indian corn
Indian file
Indian giver
Indian hemp
Indian ink
Indian mallow
Indian meal
Indian millet
Indian mulberry
Indian paintbrush
Indian pipe
Indian red
Indian rice
Indian summer
Indian tobacco
Indian wrestling
Indian yellow
Indiana
Indiana ballot
Indianapolis
Indic
Indies
Indo-
Indo-Aryan
Indo-European
Indo-Germanic
Indo-Hittite
Indo-Iranian
Indo-Pacific
Indochina
Indonesia
Indonesian
Indore
Indra
Indre
Indre-et-Loire
Indus
Inf.
Inge
Ingres
Inhambane
Injun
Inkerman
Inland Sea
Inn
Inner Light
Inner Mongolia
Inner Temple
Innocent II
Innocent III
Innocent IV
Inns of Court
Innsbruck
Intelsat
Interlaken
Interlingua
Internal Revenue Service
International Bank for Reconstruction and Development
International Court of Justice
International Criminal Police Organization
International Development Association
International Finance Corporation
International Geophysical Year
International Gothic
International Labor Organization
International Monetary Fund
International Phonetic Alphabet
Internationale
Interpol
Interstate Commerce Commission
Intertype
Intracoastal Waterway
Invar
Invercargill
Inverness
Io
Io moth
Ioannina
Iona
Ionesco
Ionia
Ionian
Ionian Islands
Ionian Sea
Ionian mode
Ionic
Iowa
Iphigenia
Ipoh
Ipsambul
Ipsus
Ipswich
Iqbal

Iquique

Iquitos

Ir

Ir.

Iran

Iran.

Iranian

Iraq

Iraqi

Ire.

Ireland

Irene

Iris

Irish

Irish Free State

Irish Gaelic

Irish Republican Army

Irish Sea

Irish bull

Irish coffee

Irish moss

Irish potato

Irish setter

Irish stew

Irish terrier

Irish water spaniel

Irish whiskey

Irish wolfhound

Irishism

Irishman

Irkutsk

Iron Age

Iron Cross

Iron Gate

Iron Guard

Iroquoian

Iroquois

Irrawaddy

Irtysh

Irvine

 Irving

Is.

Isaac

Isabella

Isabella I

Isaiah

 Isar
Italianize
Italic
Italy
Ithaca
Ithunn
Ito
Iulus
Ivan III
Ivan IV
Ivanovo
Ives
Ivory Coast
Iwo
Iwo Jima
Ixion
Iyar
Iyeyasu
Izanagi
Izanami
Izhevsk
Izmir
Iztaccihuatl
J
J.
J.A.
J.A.G.
J.C.
J.C.D.
J.C.L.
J.C.S.
J.D.
J.P.
J.S.D.
J.W.V.
JA
JD
JHVH
JJ.
JP
Ja.
Jabalpur
Jack Frost
Jack Ketch
Jackson
Jacksonville
Jacob
Jacob's ladder
Jacob's staff
Jacobean
Jacobi
Jacobian
Jacobin
Jacobinism
Jacobite
Jacobsen
Jacquard
Jacquerie
Jadotville
Jael
Jaffa
Jaffna
Jagannath
Jagatai
Jahveh
Jahvist
Jain
Jainism
Jaipur
Jalapa
Jalisco
Jam.
Jamaica
Jamaica rum
Jamaica shorts
James
James Bay
James I
James II
James VI
Jamesian
Jameson
Jamestown
Jammu and Kashmir
Jamshedpur
Jamshid
Jan Mayen
Jan.
Jane
Jane Doe
Janet
Janiculum
Janina
Jansen
Jansenism
January
Janus
Janus-faced
Jap
Jap.
Japan
Japan Current
Japan wax
Japanese
Japanese andromeda
Japanese beetle
Japanese cedar
Japanese ivy
Japanese lantern
Japanese lawn grass
Japanese persimmon
Japanese river fever
Japanese spaniel
Japheth
Japhetic
Jaques-Dalcroze
Jarrow
Jarry
Jas.
Jason
Jaspers
Jassy
Jat
Jataka
Jav.
Java
Java man
Java sparrow
Javanese
Javel water
Jaxartes
Jay
Jaycee
Jean
Jeanne d'Arc
Jeans
Jebe Musa
Jedda
Jefferson
Jefferson City
Jeffrey
Jeffreys
Jehol
Jehoshaphat
Jehovah
Jehovah's Witness
Jehovist
Jehu
Jekyll and Hyde
Jell-O
Jellicoe
Jemappes
Jena
Jenghis Khan
Jenkins
Jenner
Jephthah
Jer.
Jerba
Jeremiah
Jerez
Jericho
Jeroboam
Jerome
Jerry
Jersey
Jersey City
Jerusalem
Jerusalem artichoke
Jerusalem cherry
Jerusalem cross
Jerusalem oak
Jespersen
Jesse
Jesselton
Jesu
Jesuit
Jesuitism
Jesus
Jesus Christ
Jethro
Jevons
Jew
Jew-baiting
Jewess
Jewish
Jewish Autonomous Region
Jewish calendar
Jewry
Jezebel
Jezreel
Jhansi
Jhelum
Jidda
Jilolo
Jim Crow
Jinna
Jinnah
Joab
Joachim
Joan
Joan of Arc
Job
Job Corps
Job's comforter
Job's-tears
Jocasta
Jock
Jodhpur
Jodo
Jodrell Bank
Joe
Joe Blow
Joe Doakes
Joe Miller
Joel
Joffre
Johannesburg
Johannisberger
John
John Barleycorn
John Birch Society
John Bull
John Chrysostom
John Doe
John Dory
John Hancock
John I
John III
John XXII
John XXIII
John of Austria
John of Gaunt
John of Leyden
John of Salisbury
John the Baptist
Johnny
Johnny Reb
Johnny-jump-up
Johnson
Johnson grass
Johnsonese
Johnsonian
Johore
Johore Bahru
Joinville
Jokjakarta
Joliot-Curie
Jolly Roger
Jolo
Jolson
Jonah
Jonathan
Jones
Jonson
Joplin
Joppa
Jordaens
Jordan
Jordan almond
Jos
Joseph
Joseph II
Josephine
Josephus
Josh.
Joshua
Joshua tree
Josiah
Jotun
Jutunheim
Joule
Joule's law
Joule-Thomson effect
Jove
Jovian
Jowett
Joyce
Jr.
Juan Carlos I
Juan de Fuca
Juba
Jubal
Jubbulpore
Jubilate
Jud.
Judaea
Judah
Judah ha-Nasi
Judaic
Judaica
Judaism
Judaist
Judaize
Judas
Judas Maccabaeus
Judas tree
Jude
Judea
Judges
Judgment Day
Judicial Committee of the Privy Council
Judith
Judy
Jugendstil
Juggernaut
Jugoslavia
Jugurtha
Jul.
Julian
Julian Alps
Julian calendar
Juliana
Juliet cap
Julius Caesar
Julius II
Jullundur
July
Jumada
Jumna
Jun.
June
June bug
Juneau
Juneberry
Jung
Jungfrau
Jungian
Junius
Junker
Juno
Junoesque
Jupiter
Jur. D.
Jura
Jurassic
Justice
Justin Martyr
Justinian Code
Justinian I
Justitia
Jute
Jutland
Juvenal
Jylland
K
K ration
K-meson
K.
K.B.E.
K.C.B.
K.C.M.G.
K.C.V.O.
K.G.
K.K.K.
K.O.
K.P.
K.T.
K.V.
K2
KB
KBP
KKt
KKtP
KNP
KP
KR
KRP
Ka
Kaaba
Kabul
Kabyle
Kaddish
Kadiyevka
Kaduna
Kaffir
Kaffraria
Kafir
Kafiristan
Kafka
Kagera
Kagoshima
Kahn
Kaifeng
Kairouan
Kedah
Kedron
Keeling Islands
Keelung
Keewatin
Keijo
Keitel
Kekkonen
Kelantan
Keller
Kelly
Kelso
Kelt
Kelvin
Kemble
Kemerovo
Kempis
Kendal green
Kenilworth
Kennedy
Kennelly-Heaviside layer
Kenny method
Kent
Kentish
Kentucky
Kentucky Derby
Kentucky bluegrass
Kentucky coffee tree
Kenya
Kenyatta
Keos
Kepler
Kerala
Kerbelo
Kerch
Keresan
Kerguelen
Kerman
Kermanshah
Kern
Kerouac
Kerr
Kerr effect
Kerry
Kerry blue terrier
Kesselring
Kettering
Ketubim
Kew
Keynes
Keynesianism
Khabarovsk
Khachaturian
Khalkha
Khania
Kharkov
Khartoum
Khasi
Khelat
Kherson
Khirbet Qumran
Khiva
Khmer
Khmer Republic
Khoisan
Khotan
Khrushchev
Khufu
Khyber Pass
Ki
Kiangsi
Kiangsu
Kiaochow
Kickapoo
Kid
Kidd
Kidderminster
Kiddush
Kidron
Kiel
Kielce
Kierkegaard
Kierkegaardian
Kiev
Kigali
Kikuyu
Kilauea
Kildare
Kilimanjaro
Kilkenny
Killarney
Killiecrankie
Kilmarnock
Kimberley
Kinabalu
Kincardine
Kinchinjunga
King
King Charles spaniel
King James Version
King's Bench
King's Counsel
King's speech
Kings
Kings Point
Kingsley
Kingston
Kinross
Kinsey
Kinshasa
Kioto
Kiowa
Kipling
Kipp's apparatus
Kirchhoff
Kirghiz
Kirghiz Steppe
Kirin
Kirk
Kirkcaldy
Kirkcudbright
Kirkuk
Kirkwall
Kirman
Kirov
Kirovabad
Kirovograd
Kirsch
Kiruna
Kisangani
Kishinev
Kislev
Kistna
Kisumu
Kitchener
Kitwe
Kiushu
Kiwanic
Kizil Irmak
Klagenfurt
Klaipeda
Klan
Klansman
Klausenburg
Klee
Kleenex
Klein bottle
Kleist
Klemperer
Klimt
Kline
Klondike
Klostock
Knesset
Knickerbocker
Knight Templar
Knossos
Knox
Knoxville
Knt.
Knut
Kobarid
Kobe
Koblenz
Koch
Kochi
Kodak
Kodiak
Kodiak bear
Kodok
Koestler
Kofu
Koheleth
Kohima
Kohinoor
Kokand
Koko Nor
Kokoschka
Kokura
Kol Nidre
Kollwitz
Kolomna
Kolyma
Kolyma Range
Komi
Kommunarsk
Komodo dragon
Komsomol
Komsomolsk
Kongo
Konstanz
Konya
Kootenay
Kopeisk
Koran
Kordofan
Kordofanian
Korea
Korea Strait
Korean
Korean War
Koroseal
Korzybski
Kos
Kosciusko
Kossuth
Kostroma
Kosygin
Kota Bharu
Kovno
Kovrov
Kowit
Kowloon
Kozhikode
Kr
Kra
Krafft-Ebing
Krak
Krakau
Kramatorsk
Krasnodar
Krasnoyarsk
Kraut
Krebs
Krefeld
Kreisler
Kremenchug
Kremlin
Krems
Kriemhild
Krishna
Krishna Menon
Kriss Kringle
Kristiansand
Kronos
Kronstadt
Kropotkin
Kruger
Kruggersdorp
Krupp
Kshatriya
Kt
Kt.
Ku Klux Klan
Kuala Lumpur
Kuban
Kublai Khan
Kuching
Kuenlun
Kufic
Kuibyshev
Kultur
Kulturkampf
Kulun
Kumamoto
Kumasi
Kun
Kunlun
Kunming
Kunstled
Kuomintang
Kuopio
Kura
Kurd
Kurdish
Kurdistan
Kure
Kurgan
Kurland
Kuroshio
Kursk
Kush
Kutaisi
Kutch
Kutenai
Kutuzov
Kuwait
Kuznetsk Basin
Kwa
Kwakiutl
Kwangchow
Kwangchowan
Kwangju
Kwangtung
Kweichow
Kweilin
Kweisui
Kweiyang
Laaland
Lab.
Laban
Labe
Labiche
Labor Day
Labour Day
Labourite
Labrador
Labrador Current
Labrador retriever
Labrador tea
Labuan
Lacedaemon
Lacedaemonian
Lacerta
Lachesis
Lacos
Laconia
Lacrima Christi
Ladin
Ladino
Ladoga
Ladon
Ladrone Islands
Lady
Lady Day
Lady chapel
Ladyship
Ladysmith
Laertes
Lafayette
Lag b'Omer
Lagerkvist
Lagoon Islands
Lagos
Lagrange
Lagrangian function
Lagting
Lahnda
Lahore
Laibach
Laius
Lake District
Lake Poets
Lake Success
Lakeland
Lakeland terrier
Lakshmi
Lala
Lallans
Lam.
Lamaism
Lamarck
Lamarckian
Lamarckism
Lamartine
Lamb
Lamb of God
Lambert
Lambert conformal projection
Lambeth
Lambeth Conference
Lambeth walk
Lammas
Lammastide
Lampedusa
Lanai
Lanark
Lancashire
Lancaster
Lancastrian
Lancelot
Lanchow
Land
Land of Beulah
Land's End
Landau
Landes
Landor
Landowska
Landseer
Landsturm
Landtag
Landwehr
Lanfranc
Lang
Langer
Langland
Langley
Langmuir
Langobard
Langobardic
Langton
Langtry
Languedoc
Lanester
Lansing
Lao
Laoag
Laocoon
Laodicea
Laodicean
Laoighis
Laomedon
Laos
Lapith
Laplace
Laplace operator
Laplace transform
Lapland
Lapp
Laptev Sea
Larmor precession
Larousse
Las Palmas
Las Vegas
Lashio
Lashkar
Lasker
Laski
Lassa
Lassalle
Lassen Peak
Last Judgment
Last Supper
Lastex
Lat.
Latakia
Late Greek
Late Latin
Lateran Council
Latimer
Latin
Latin America
Latin Church
Latin Quarter
Latin cross
Latin school
Latin square
Latinate
Latinism
Latinist
Latinity
Latinize
Latium
Latona
Latter-day Saint
Latvia
Latvian
Laud
Lauder
Laudian
Laudianism
Laue
Laughton
Launceston
Laundromat
Laurasia
Laurentian
Laurentian Mountains
Laurier
Lausanne
Lautrec
Laval
Lavoisier
Law
Law of Moses
Lawes
Lawrence
Layamon
Layard
Lazarus
Ld.
Le Corbusier
Le Creusot
Le Havre
Le Mans
Le Sage
Leacock
Leadbelly
League of Nations
Leah
Leakey
Leander
Lear
Leatherette
Leatheroid
Leavenworth
Leavis
Lebanon
Lebanon Mountains
Lebensraum
Lebrun
Lecce
Lecky
Leconte de Lisle
Leda
Lee
Leeds
Leeuwarden
Leeuwenhoek
Leeward Islands
Left Bank
Legaspi
Legendre
Leghorn
Legnica
Lehmann
Lehmbruck
Leibniz
Leicester
Leicestershire
Leiden
Leigh
Leinster
Leipzig
Leith
Leix
Lely
Lemberg
Lemnos
Lena
Lenin
Leninakan
Leningrad
Leninism
Leninist
Lent
Lenten
Leo
Leo I
Leo III
Leo Minor
Leo X
Leo XIII
Leon
Leonardo da Vinci
Leoncavallo
Leonid
Leonidas
Leopardi
Leopold I
Leopold II
Leopold III
Lepanto
Lepidus
Lepontine Alps
Lepus
Lermontov
Lerwick
Les Cayes
Lesbian
Lesbos
Lesotho
Lesseps
Lesser Antilles
Lesser Sunda Islands
Lessing
Lethbridge
Lethe
Leto
Lett
Lettish
Leucas
Leucippus
Leuctra
Leukas
Lev.
Levalloisian
Levant
Levantine
Leven
Leverhulme
Leverrier
Levi
Levis
Levit.
Levite
Levitical
Leviticus
Levkas
Lewes
Lewis
Lewis acid
Lewis base
Lewis gun
Lewis with Harris
Lexington
Leyden
Leyden jar
Leyte
Lhasa
Lhasa apso
Li
Li Po
Liao
Liaoning
Liaotung
Liaoyang
Liard
Lias
Lib.
Libau
Libava
Libby
Liberal Party
Liberec
Liberia
Liberty Island
Liberty bond
Libia
Libra
Library of Congress
Libreville
Librium
Libya
Libyan
Libyan Desert
Lichfield
Lidice
Lie
Liebfraumilch
Liebig
Liebknecht
Liechtenstein
Liederkranz
Liegnitz
Liestal
Lietuva
Lieut.
Life Guards
Liguria
Ligurian
Lilienthal
Lilith
Liliuokalani
Lille
Lilliputian
Lilongwe
Lima
Limassol
Limbourg
Limburg
Limburger
Limerick
Limoges
Limousin
Limpopo
Lin Piao
Linacre
Linares
Lincoln
Lincoln green
Lincoln's Inn
Lincolnshire
Lind
Lindbergh
Lindesnes
Lindsey
Linear A
Linear B
Link trainer
Linlithgow
Linnaeus
Linnean
Linotype
Linz
Lions
Lipari Islands
Lipchitz
Lipetsk
Lippe
Lippi
Lippizaner
Lippmann
Lir
Lisbon
Lissajous figure
Lister
Listerism
Liszt
Lith.
Lithuanian
Lomax
Lombard
Lombard Street
Lombardy
Lombardy poplar
Lombok
Lombroso
Lomond
London
London broil
London pride
Londonderry
Londrina
Long
Long Beach
Long Island
Long Parliament
Longfellow
Longford
Longhorn
Longinus
Longobard
Longs Peak
Lons-le-Saunier
Lope de Vega
Lorca
Lord
Lord Chancellor
Lord Chief Justice
Lord Lieutenant
Lord Mayor
Lord President of the Council
Lord Privy Seal
Lord Protector
Lord Provost
Lord of Misrule
Lord of hosts
Lord's Supper
Lord's table
Lordship
Lorelei
Loren
Lorentz
Lorenz
Lorenzetti
Lorient
Lorraine
Lorraine cross
Los Angeles
Lost Generation
Lot
Lot-et-Garonne
Lothair I
Lothair II
Lothario
Lothians
Lotze
Louis
Louis I
Louis II
Louis IV
Louis IX
Louis Napoleon
Louis Philippe
Louis Quatorze
Louis Quinze
Louis Seize
Louis Treize
Louis V
Louis XI
Louis XII
Louis XIII
Louis XIV
Louis XVI
Louis XVII
Louis XVIII
Louisburg
Louisiana
Louisiana Purchase
Louisville
Lourdes
Lourenco Marques
Louth
Louvain
Louvre
Lovelace
Lovell
Low
Low Archipelago
Low Church
Low Countries
Low German
Low Latin
Low Mass
Low Sunday
Lowell
Lower Austria
Lower California
Lower Canada
Lower Egypt
Lower Lakes
Lower Palatinate
Lower Saxony
Lowestoft
Lowry
Loyola
Lt.
Lt. Col.
Lt. Comdr.
Lt. Gen.
Lt. Gov.
Ltd.
Lu
Lualaba
Luanda
Luang Prabang
Lubbock
Lublin
Lubumbashi
Lucan
Lucania
Lucas van Leyden
Lucca
Lucerne
Lucian
Lucifer
Lucilius
Lucina
Lucite
Lucknow
Lucretia
Lucretius
Lucullus
Lucy
Luddite
Ludendorff
Ludhiana
Ludlow
Ludwigshafen
Luftwaffe
Lug
Luganda
Lugansk
Luger
Lugo
Luik
Luke
Lulea
Lully
Luluabourg
Luminal
Lumumba
Luna
Lundy's Lane
Lungki
Lunik
Lupercalia
Lupus
Lusaka
Lusatia
Lusatian
Lusitania
Luth.
Luther
Lutheran
Luthuli
Lutine bell
Lutyens
Luwian
Lux.
Luxembourg
Luxemburg
Luxor
Luzern
Luzon
Lvov
Lw
Lyallpur
Lyautey
Lycaon
Lycaonia
Lycia
Lycian
Lycurgus
Lydgate
Lydia
Lydian
Lydian mode
Lyell
Lyly
Lynch
Lynn
Lynx
Lyon
Lyon King of Arms
Lyonnaise
Lyonnaisse
Lyons
Lyra
Lysander
Lysenko
Lysenkoism
Lysias
Lysimachus
Lysippus
Lysol
Lytton
Lyublin
M
M roof
M'
M-16
M.
M.A.
M.Arch.
M.B.
M.B.A.
M.B.E.
M.C.
M.D.
M.E.
M.Ed.
M.I.A.
M.M.
M.O.
M.P.
M.P.S.
M.S.
M.Sc.
MA
MATS
MC
MD
ME
MF
MHD
MM.
MRA
MS
MS.
Maeander
Maebashi
Maecenas
Maelstrom
Maestricht
Mafeking
Mafia
Magallanes
Magdalena
Magdalena Bay
Magdalenian
Magdeburg
Magellan
Magellanic cloud
Magen David
Maggiore
Maginot line
Magna Carta
Magna Charta
Magna Graecia
Magna Mater
Magnificat
Magnitogorsk
Magog
Magritte
Magus
Magyar
Mahalla el Kubra
Maharashtra
Mahayana
Mahdi
Mahican
Mahound
Mahratta
Maia
Maid Marian
Maidstone
Maiduguri
Mailer
Maillol
Maimonides
Main
Maine
Maine-et-Loire
Mainland
Maintenon
Mainz
Maitland
| Maj. Gen.                        |
| Majesty                        |
| Major Prophets                 |
| Majunga                        |
| Makalu                         |
| Makarios III                  |
| Makassar                      |
| Makeyevka                     |
| Makhachkala                   |
| Makkah                        |
| Malacca                       |
| Malacca cane                  |
| Malachi                       |
| Malagasy                      |
| Malagasy Republic             |
| Malang                        |
| Malathion                     |
| Malatya                       |
| Malawi                        |
| Malay                         |
| Malay Archipelago             |
| Malay Peninsula               |
| Malay States                  |
| Malaya                        |
| Malayalam                     |
| Malayan                       |
| Malayo-Indonesian             |
| Malayo-Polynesian             |
| Malaysia                      |
| Malcolm                       |
| Maldives                      |
| Maldon                        |
| Male                          |
| Malebranche                   |
| Malherbe                      |
| Mali                          |
| Malines                       |
| Malinowski                    |
| Mallarme                      |
| Mallorca                      |
| Malmo                         |
| Malpighi                      |
| Malpighian corpuscle          |
| Malpighian layer              |
| Malraux                       |
| Malta                         |
| Maltese                       |
| Maltese cat                   |
Maltese cross
Maltese dog
Malvern
Mameluke
Man
Man.
Manado
Managua
Manama
Manassas
Manasseh
Manaus
Manche
Manchester
Manchester terrier
Manchu
Manchukuo
Mancunian
Mandaean
Mandalay
Mande
Mandeville
Mandingo
Manes
Manet
Manganin
Manhattan
Mani
Manichaeism
Manifest Destiny
Manila
Manila Bay
Manila hemp
Manila paper
Manila rope
Manipur
Manisa
Manizales
Mann
Mannerheim
Mannheim School
Manning
Manolete
Mansfield
Mantegna
Mantinea
Mantua
Manutius
Manx
Manx cat
Manxman
Manzoni
Mao Tse-tung
Maoism
Maori
Map
Mar del Plata
Mar.
Maracaibo
Maracanda
Maratha
Marathi
Marathon
Marc
Marceau
Marcellus
March
March.
Marche
Marcheshvan
Marciano
Marcionism
Marco Polo
Marconi
Marconi rig
Mardi Gras
Marduk
Marengo
Margaret
Margaret of Valois
Margarita
Margate
Margaux
Margherita
Maria Theresa
Marian
Mariana Islands
Marianne
Marie Antoinette
Marie Byrd Land
Marie Galante
Mariehamn
Marienbad
Marin
Marinduque
Marine Corps
Martin
Martin du Gard
Martineau
Martineau
Martinmas
Marvin
Marx
Marxian
Marxism
Marxism-Leninism
Marxist
Mary
Mary I
Mary Jane
Mary Magdalene
Maryland
Masaccio
Masan
Masaryk
Masbate
Mascagni
Masefield
Maseru
Mashhad
Masinissa
Mason
Masonite
Masorete
Masoretic
Masqat
Mass
Mass book
Massachusetts
Massachusetts Bay
Massachusetts ballot
Massasoit
Massenet
Massey
Massif Central
Massorete
Master
Master of Arts
Master of Science
Master of the Rolls
Masuria
Mata Hari
Matabele
Matadi
Matamoros
Mayfair
Mayo
Mayon
Mayotte
Maypole
Maytime
Mazarin
Mazda
Mazdaism
Mc-
McCarthy
McCarthyism
McCormack
McCormick
McCoy
McCullers
McKinley
Md
Md.
Me
Me.
MeV
Mead
Meade
Meath
Mechlin
Mechlin lace
Mecklenburg
Medal of Honor
Medan
Medawar
Mede
Medea
Media
Medicaid
Medicare
Medici
Medieval Latin
Medina
Medit.
Mediterranean
Mediterranean Sea
Mediterranean fever
Medusa
Megaera
Meganthropus
Megara
Megiddo
Mehemet Ali
Meihac
Meir
Meissen
Meistersinger
Meitner
Mekka
Mekong
Melanesian
Melba
Melba sauce
Melba toast
Melbourne
Melchior
Melchizedek
Meleager
Melitopol
Melos
Melpomene
Melville Island
Melville Peninsula
Member of Parliament
Memling
Mennon
Memphian Day
Memphian
Memphis
Menado
Menai Strait
Menam
Menander
Mencius
Mendel
Mendel's laws
Mendelian
Mendelism
Mendelssohn
Menderes
Mendoza
Menelik II
Menes
Mennonite
Menorca
Mensa
Menton
Mentor
Menzies
Mephistopheles
Merca
Mercator
Mercator projection
Mercator sailing
Mercia
Mercurochrome
Mercury
Meredith
Merlin
Merodach
Merovingian
Mersenne number
Mersey
Merthiolate
Merthyr Tydfil
Merton
Mesa Verde
Meshach
Meshed
Mesolithic
Mesopotamia
Mesozoic
Messalina
Messapian
Messeigneurs
Messene
Messenia
Messiaen
Messiah
Messidor
Messina
Meta
Metchnikoff
Methedrine
Methodism
Methodist
Methodius
Methuselah
Metternich
Metz
Meuse
Mexicali
Mexican
Mexican War
Mexican hairless
Mexican hat dance
Mexico
Mexico City
<table>
<thead>
<tr>
<th>Word</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meyerbeer</td>
</tr>
<tr>
<td>Meyerhof</td>
</tr>
<tr>
<td>Mg</td>
</tr>
<tr>
<td>Miami</td>
</tr>
<tr>
<td>Mic.</td>
</tr>
<tr>
<td>Micah</td>
</tr>
<tr>
<td>Micawber</td>
</tr>
<tr>
<td>Mich.</td>
</tr>
<tr>
<td>Michael</td>
</tr>
<tr>
<td>Michaelmas</td>
</tr>
<tr>
<td>Michaelmas daisy</td>
</tr>
<tr>
<td>Michelangelo</td>
</tr>
<tr>
<td>Michelson</td>
</tr>
<tr>
<td>Michelson-Morley experiment</td>
</tr>
<tr>
<td>Michigan</td>
</tr>
<tr>
<td>Mick</td>
</tr>
<tr>
<td>Mickey</td>
</tr>
<tr>
<td>Micmac</td>
</tr>
<tr>
<td>Micronesia</td>
</tr>
<tr>
<td>Micronesian</td>
</tr>
<tr>
<td>Microscopium</td>
</tr>
<tr>
<td>Mid.</td>
</tr>
<tr>
<td>Midas</td>
</tr>
<tr>
<td>Middelburg</td>
</tr>
<tr>
<td>Middle Ages</td>
</tr>
<tr>
<td>Middle America</td>
</tr>
<tr>
<td>Middle Atlantic States</td>
</tr>
<tr>
<td>Middle East</td>
</tr>
<tr>
<td>Middle English</td>
</tr>
<tr>
<td>Middle Greek</td>
</tr>
<tr>
<td>Middle High German</td>
</tr>
<tr>
<td>Middle Kingdom</td>
</tr>
<tr>
<td>Middle Low German</td>
</tr>
<tr>
<td>Middle Persian</td>
</tr>
<tr>
<td>Middle States</td>
</tr>
<tr>
<td>Middle Temple</td>
</tr>
<tr>
<td>Middle West</td>
</tr>
<tr>
<td>Middleton</td>
</tr>
<tr>
<td>Mideast</td>
</tr>
<tr>
<td>Midgard</td>
</tr>
<tr>
<td>Midgard serpent</td>
</tr>
<tr>
<td>Midi</td>
</tr>
<tr>
<td>Midian</td>
</tr>
<tr>
<td>Midland</td>
</tr>
<tr>
<td>Midlands</td>
</tr>
<tr>
<td>Midlothian</td>
</tr>
<tr>
<td>Midsummer Day</td>
</tr>
<tr>
<td>Midway</td>
</tr>
</tbody>
</table>
Midwest
Milanese
Milesian
Miletus
Milford Haven
Milhaud
Milky Way
Mill
Millais
Miller
Millet
Millikan
Miltiades
Milton
Milwaukee
Mimamsa
Mimas
Mimir
Min
Minas Basin
Minas Gerais
Mindanao
Mindoro
Mindszenty
Minerva
Ming
Mingrelian
Minho
Minimalist
Minn.
Minna
Minneapolis
Minnesota
Minoan
Minor Prophets
Minorca
Minorite
Minos
Minotaur
Minsk
Minuteman
Miocene
Miquelon
Mirabeau
Miraflores
Miranda
Miseno
Miserere
Mishnah
Miskolc
Miss
Miss.
Missionary Ridge
Mississippian
Missouri meerschaum
Mistassini
Mister
Misti
Mithgarthr
Mithraism
Mithras
Mithridates VI
Mitra
Mixtec
Mizar
Mlle
Mme
Mn
Mnemosyne
Mo
Mo.
Mobile
Mocambique
Modena
Modern English
Modern Greek
Modern Hebrew
Modigliani
Modred
Mogador
Mogen David
Mogilev
Moham.
Mohammed
Mohammed Ali
Mohammed II
Mohammedan
Mohammedanism
Mohave
Mohave Desert
Mohawk
Mohenjo-Daro
Mohican
Mohock
Mohs scale
Moirai
Mojave
Mokpo
Moldau
Moldavia
Molech
Molina
Mollweide projection
Molly Maguire
Moloch
Molokai
Molotov
Moltke
Moluccas
Mombasa
Momus
Mon
Mon-Khmer
Mon.
Mona Lisa
Mona Passage
Monaco
Monaghan
Monck
Moncton
Monday
Mondrian
Monegasque
Monel metal
Monet
Mongol
Mongolia
Mongolian
Mongolian People's Republic
Mongolic
Mongoloid
Monmouth
Monmouthshire
Monnet
Monoceros
Monongahela
Monophyseite
Monopoly
Monotype
Monroe
Monroe Doctrine
Mons
Monseigneur
Monsignor
Mont Blanc
Mont Cervin
Mont-Saint-Michel
Mont.
Montagnard
Montagu
Montagne
Montana
Montcalm
Monte Carlo
Monte Cassino
Monte Corno
Montefiascone
Montego Bay
Montenegro
Monterrey
Montespan
Montessori method
Monteux
Monteverdi
Montevideo
Montfort
Montgolfier
Montgomery
Montherlant
Montmartre
Montparnasse
Montpelier
Montpellier
Montreal
Montserrat
Moody
Moor
Moore
Moorish
Moorish idol
Moose Jaw
Moradabad
Moral Rearmament
Morava
Moravia
Moravian
Moray
Moray Firth
Morbihan
Mordecai
Mordred
Mordvin
More
Morea
Moreau
Morelos
Moresque
Morgan
Morgan le Fay
Morisco
Morley
Mormon
Mornay
Moro
Morocco
Morpheus
Morris
Morris chair
Morrison
Mors
Morse
Mortimer
Mosaic
Moseley
Moselle
Moses
Moskva
Moslem
Moslemism
Mosul
Mother Carey's chicken
Mother Goose
Mother Hubbard
Mother of God
Mothering Sunday
Motherwell
Motherwell and Wishaw
Moulmein
Mount Desert Island
Mountain time
Mountbatten
Mountie
Moussorgsky
Mousterian
Mozambique
Mozarab
Mozart
Mr.
Mrs.
Ms.
Nabokov
Nabonidus
Naga
Nagaland
Nagano
Nagari
Nagorno-Karabakh Autonomous Region
Nagoya
Nagpur
Nagy
Nah.
Nahual
Nahualan
Nahum
Nairn
Nairobi
Nalchik
Nama
Namangan
Namaqualand
Namhio
Nammu
Namtar
Nanak
Nanchang
Nancy
Nanga Parbat
Nanna
Nanning
Nansen
Nansen bottle
Nantucket
Naoise
Naomi
Napier's bones
Napierian logarithm
Naples
Naples yellow
Napoleon
Napoleon I
Napoleon II
Napoleonic
Napoleonic Code
Napoleonic Wars
Nara
Naraka
Narbada
Narbonne
Narcissus
Narragansett Bay
Narva
Narvik
Naseby
Nashua
Nashville
Nasser
Natal
Nathan
Nathanael
National Covenant
National Guard
National Liberation Front
National Security Council
National Socialism
Nationalist China
Native States
Nativity
Naucratis
Nauru
Navaho
Navarino
Navarre
Navy Cross
Naxos
Nayarit
Nazarene
Nazareth
Nazarite
Naze
Nazi
Nb
Nd
Ne
Ne Win
Neanderthal
Neanderthal man
Neapolitan
Neapolitan ice cream
Near East
Nebiim
Nebo
Nebr.
Nebraska
Nebuchadnezzar
Necker
Nefertiti
Negress
Negrillo
Negrito
Negro
Negro spiritual
Negrophobe
Neh.
Nehemiah
Nehru
Neisse
Nejd
Nelson
Neman
Nembutal
Nemean lion
Nemesis
Neo-Darwinism
Neo-Gothic
Neo-Lamarckism
Neo-Latin
Neo-Pythagoreanism
Neocene
Neogaea
Neogene
Neolithic
Neoplatonism
Neoptolemus
Neotropical
Nepali
Nepos
Neptune
Neptunian
Nereid
Nereus
Nernst
Nero
Neruda
Nerva
Nerval
Nesselrode
Nessus
Nestor
Nestorian
Nestorius
Neth.
Netherlands
Netherlands Guiana
Neusatz
Neustria
Nev.
Neva
Nevada
Nevers
Nevis
Nevski
New Bedford
New Britain
New Brunswick
New Castile
New Church
New Deal
New England
New Forest
New France
New Georgia
New Granada
New Guinea
New Hampshire
New Harmony
New Hebrides
New Ireland
New Jersey
New Jerusalem
New Jerusalem Church
New Kingdom
New Latin
New Learning
New Left
New Mexico
New Netherland
New Objectivity
New Orleans
New Plymouth
New Siberian Islands
New South Wales
New Spain
New Testament
New Thought
New World
New World monkey
New Year
New Year's Day
New Year's Eve
New York
New York Bay
New Zealand
Newark
Newburg
Newcastle
Newcastle disease
Newcomen
Newfoundland
Newman
Newmarket
Newport
Newton
Newtonian telescope
Ni
Niagara
Niagara Falls
Nibelung
Nibelungenlied
Nicaea
Nicaragua
Nice
Nicene Council
Nicene Creed
Nicholas
Nicholas I
Nicholas II
Nicholson
Nichrome
Nicias
Nicklaus
Nicobar Islands
Nicobarese
Nicodemus
Nicol prism
Nicolai
Nicolson
Nicosia
Nidaros
Niedersachsen
Nielsen
Niersteiner
Nietzsche
Niflheim
Niger
Niger-Congo
Nigeria
Nightingale
Nihon
Niigata
Nijinsky
Nike
Nikko
Nile
Nile blue
Nile green
Nilgiri Hills
Nilotic
Nilsson
Nimitz
Nimrod
Nimwegen
Nina
Nineveh
Ningal
Ningpo
Ningsia
Ninurta
Niobe
Nip
Nipissing
Nippon
Nippur
Nisan
Nissen hut
Niue
Nivermais
Nizhni Novgorod
Nizhni Tagil
Njord
Nkumah
No
Noachian
Noah
Noah's Dove
Nobel
Nobel Prize
Nobel prize
Noel
Nofretete
Noguchi
Noh
Nolde
Nona
Nootka
Nor.
Nordau
Nordic
Nordkyn Cape
Nordrhein-Westfalen
Norfolk
Norfolk Island
Norfolk jacket
Norge
Norma
Norman Conquest
Norman French
Normandy
Norse
Norseman
North
North America
North Atlantic Treaty Organization
North Borneo
North Brabant
North Carolina
North Channel
North Country
North Dakota
North Germanic
North Holland
North Island
North Korea
North Pole
North Rhine-Westphalia
North Riding
North Star
North Vietnam
Northampton
Northamptonshire
Northcliffe
Northeast
Northern Cross
Northern Ireland
Northern Rhodesia
Northern Territories
Northerner
Northman
Northumberland
Northumbria
Northumbrian
Northwest
Northwest Passage
Northwest Territories
Northwest Territory
Norw.
Norway
Norway maple
Norwegian
Norwegian Sea
Norwegian elkhound
Norwich
Nostradamus
Notogaea
Notre Dame
Nottingham
Nottinghamshire
Notus
Nov.
Nova Lisboa
Nova Scotia
Novara
Novaya Zemlya
November
Novgorod
Novocaine
Novokuznetsk
Novosibirsk
Np
Nubia
Nubian
Nubian Desert
Nuevo Laredo
Numa Pompilius
Numbers
Numidia
Numidian crane
Nunc Dimittis
Nupercaine
Nuremberg
Nureyev
Nuristan
Nurmi
Nusku
Nut
Nyasaland
Nyaya
Nyeman
Nynorsk
Nyx
O
O'Casey
O'Connor
O'Higgins
Old Delhi
Old English
Old English sheepdog
Old French
Old Frisian
Old Guard
Old Harry
Old High German
Old Icelandic
Old Kingdom
Old Latin
Old Low German
Old Nick
Old Norse
Old North French
Old Northwest
Old Persian
Old Pretender
Old Prussian
Old Saxon
Old South
Old Testament
Old World
Old World monkey
Oldcastle
Oldenburg
Oldham
Olduvai Gorge
Oligocene
Oliphant
Oliver
Olives
Olivier
Olomouc
Olympia
Olympiad
Olympian
Olympic
Olympic Games
Olympic Mountains
Olympus
Om
Om.
Omaha
Oman
Omar Khayyam
Omdurman
Orlon
Orly
Ormandy
Ormazd
Ormuz
Orontes
Orozo
Orpheus
Orphism
Orpington
Ortega y Gasset
Ortegal
Orth.
Orthodox
Orthodox Church
Orthodox Jew
Orthodox Judaism
Oruro
Orvieto
Orwell
Os
Osage
Osage orange
Osborne
Oscan
Oscar
Oscar II
Osco-Umbrian
Osiris
Oslo
Osmanli
Ossa
Osset
Ossetia
Ossetic
Ossian
Ossietzky
Ostend
Ostia
Ostrogoth
Ostwald
Ostyak
Otranto
Otterburn
Otto
Otto I
Ottoman
Ottoman Empire
Otway
Ouachita
Oudh
Ouija
Oujda
Oulu
Our Father
Our Lady
Ouse
Outer Mongolia
Overijssel
Ovid
Owenism
Owens
Oxbridge
Oxford
Oxford Movement
Oxfordshire
Oxonian
Oxus
Ozalid
Ozark Mountains
Ozenfant
P
P.
P.A.
P.B.
P.C.
P.D.
P.E.
P.E.I.
P.G.
P.I.
P.M.
P.M.G.
P.O.
P.O.D.
P.P.
P.R.
P.S.
P.T.
P.T.O.
P.W.D.
P/C
PA
PA system
PABA
PGA
Palm Beach
Palm Sunday
Palma
Palmer
Palmer Land
Palmer Peninsula
Palmerston
Palmira
Palo Alto
Pamlico Sound
Pamphylia
Pamplona
Pan
Pan-American
Pan-Arabism
Pan-Germanism
Pan-Slavism
Pan-Teutonism
Pan.
Panama
Panama Canal
Panama Canal Zone
Panama City
Panama hat
Panathenaea
Panay
Pancake Day
Panchen Lama
Pandarus
Pandean
Pandora's box
Pango Pango
Panhellenic
Panhellenism
Panjabi
Pankhurst
Pannonia
Pantagruel
Pantelleria
Pantheon
Paoting
Pap test
Papal States
Papandreou
Papeete
Papen
Paphian
Paphlagonia
Paphos
Papiamento
Papua
Papuan
Paracelsus
Paraclete
Paradise
Paraguay
Paraguay tea
Paramaribo
Parashah
Parcae
Parcheesi
Pareto
Parian
Parian ware
Paris
Paris Commune
Paris green
Parisian
Park
Parker House roll
Parkinson's disease
Parkinson's law
Parl.
Parliament
Parma
Parmenides
Parmentier
Parmesan
Parmassian
Parnassus
Parnell
Parr
Parry
Parsee
Parsons
Parthenon
Parthenopaeus
Parthenope
Parthenos
Parthia
Parthian shot
Parvati
Pasadena
Pasargadæ
Pascal
Pascal's triangle
Pashto
Passamaquoddy Bay
Passion Sunday
Passion Week
Passion play
Passover
Pasteur
Pasto
Pat
Patagonia
Paternoster
Paterson
Pathan
Patmore
Patmos
Paton
Patras
Patrick
Patroclus
Patti
Patton
Pau
Paul
Paul Bunyan
Paul III
Paul Pry
Paul VI
Pauli
Pauli exclusion principle
Pauline
Pauling
Paumotu Archipelago
Pavlovar
Pavlov
Pavo
Pax
Pax Romana
Paxton
Pb
Pd
Peace Corps
Peace River
Peacock
Pearl Harbor
Pearl River
Pearly Gates
Peary
Pechora
Pecksniffian
Pecos
Peebles
Peele
Peeping Tom
Pegasus
Pegu
Pehlevi
Peipus
Peirce
Pekin
Peking
Peking man
Pekingese
Pelagian
Pelagianism
Pelasgian
Pele's hair
Pelew Islands
Pelias
Pelion
Pella
Pelletier
Pelops
Pelotas
Peltier effect
Pemba
Pembroke
Pembroke table
Pen.
Penang
Penelope
Peneus
Penn
Penn.
Pennine Alps
Pennsylvania
Pennsylvania Dutch
Pennsylvanian
Pentateuch
Pentecost
Pentecostal
Pentheus
Pentothal
Penutian
Penza
Penzance
People's Party
Peoria
Pepys
Pera
Peraea
Perak
Perbunan
Perceval
Percheron
Percival
Percy
Perdido
Perdu
Pergolesi
Periclean
Pericles
Perigordian
Peripatetic
Perlis
Perm
Permian
Pernambuco
Pernik
Pernod
Perrault
Perrin
Perry
Perseid
Persephone
Perseus
Pershing
Persia
Persian
Persian Gulf
Persian carpet
Persian cat
Persian lamb
Persian melon
Persian rug
Persis
Perspex
Perth
Peru
Peru Current
Perugia
Perutz
Peruvian bark
Peruzzi
Pesach
Pescara
Peshawar
Peshitta
Pestalozzi
Pet.
Peter
Peter I
Peter III
Peter the Hermit
Peter's pence
Peterborough
Petermann Peak
Petersburg
Petra
Petrarch
Petrarchan sonnet
Petrie
Petrine
Petronius
Petropavlovsk
Petrozavodsk
Pfortzheim
Pg.
Ph
Phaedra
Phaedrus
Phanerozoic
Pharaoh
Pharaoh ant
Pharisaic
Pharisaism
Pharisee
Pharos
Pharsalus
Phebe
Pheidippides
Phi Beta Kappa
Phidias
Phidippides
Phil.
Philadelphia
Philae
Philem.
Philemon
Philip
Philip IV
Philip V
Philip VI
Philip the Good
Philippeville
Philippi
Philippians
Philippine Sea
Philippine mahogany
Philippines
Philippopolis
Philips
Philistine
Philip
Phillips
Philo
Philoctetes
Phlegethon
Phnom Penh
Phobos
Phocaea
Phocis
Phoebe
Phoebus
Phoenicia
Phoenician
Phoenix
Phoenix Islands
Phosphor
Phosphorus
Photostat
Phrixus
Phrygia
Phrygian
Phrygian cap
Phrygian mode
Phyne
Piacenza
Pianola
Piaxe
Picard
Picasso
Piccadilly
Piccard
Pickwickian
Pict
Pictish
Pictor
Piedmont
Piemonte
Pierce
Pohai
Point Four
Pointe-Noire
Poisson distribution
Poisson's ratio
Poitiers
Pol.
Pola
Polack
Poland
Poland China
Polaris
Polaroid
Pole
Polish
Polish Corridor
Politburo
Politician
Polk
Pollaiuolo
Pollock
Pollux
Polo
Polybius
Polycarp
Polyclitus
Polycrates
Polydeuces
Polygnatus
Polyhymnia
Polynesia
Polynesian
Polynices
Polyphemus
Pomerania
Pomeranian
Pompadour
Pomona
Pontefract
Ponte
Pondicherry
Ponta Delgada
Pontiac
Pontianak
Pontic
Pontifical College
Pontifical Mass
Pontine Marshes
Pontius Pilate
Pontormo
Pontus
Pontus Euxinus
Poona
Poor Richard's Almanac
Pope
Popish Plot
Popsicle
Pori
Porsena
Port Arthur
Port Blair
Port Elizabeth
Port Harcourt
Port Jackson
Port Moresby
Port Orford cedar
Port Phillip Bay
Port Royal
Port Said
Port Sudan
Port-Salut
Port-au-Prince
Port.
Porte
Porter
Portland
Portland cement
Porto Novo
Porto Rico
Portsmouth
Portugal
Portuguese
Portuguese East Africa
Portuguese Guinea
Portuguese India
Portuguese Timor
Portuguese West Africa
Portuguese man-of-war
Poseidon
Posen
Potemkin
Potomac
Potsdam
Poulenc
Pound
Poussin
Powys
Poyang
Pozsony
Pozzuoli
Pr
Pr.
Praetorian Guard
Prague
Prairial
Prairie Provinces
Prakrit
Prato
Praxiteles
Pre-Raphaelite
Precambrian
Pres.
Presb.
Presbyterian
Presley
Prester John
Preston
Pretoria
Pretorius
Preussen
Priam
Priapus
Pribilof Islands
Pride
Prince Albert
Prince Edward Island
Prince Rupert
Prince of Darkness
Prince of Peace
Prince of Wales
Princeton
Principe
Prinz
Prior
Priscian
Privatdocent
Proclus
Procne
Procopius
Procrustean
Procrustes
Procyon
Prog.
Progressive Party
Prokofiev
Prokopyevsk
Promethean
Promised Land
Pronuba
Propertius
Prophets
Proserpina
Prot.
Protagoras
Proterozoic
Protestant
Protestant Episcopal Church
Protestantism
Proteus
Proudhon
Proust
Prov.
Provencal
Provence
Proverbs
Providence
Provincetown
Provo
Prud'hon
Prus.
Prussia
Prussian blue
Prussianism
Prut
Prynne
Ps.
Psalms
Psalter
Pskov
Psyche
Psyche knot
Pt
Ptah
Ptolemaeus
Ptolemaic
Ptolemaic system
Ptolemaist
Ptolemy
Ptolemy I
Pu
Puccini
Puck
Puebla
Pueblo
Puerto Rico
Puget Sound
Puglia
Pula
Pulitzer
Pulitzer Prize
Pullman
Pulmotor
Punch
Punch-and-Judy show
Punchinello
Punic
Punic Wars
Punjab
Punjab States
Punjabi
Punta Arenas
Puppis
Purcell
Puri
Purim
Puritan
Puritanism
Purple Heart
Pusan
Pusey
Puseyism
Pushkin
Putnam
Putsch
Putumayo
Puvis de Chavannes
Pvt.
Pydna
Pygmy
Pylos
Pym
Pyongyang
Pyramidon
Pyrenees
Pyrex
Pyriphlegethon
Pyrrha
Pyrrhic victory
Pyrrho
Pyrrhonism
Pythagoras
Pythagorean
Pythagoreanism
Pythia
Pythian
Python
Pyxis
Q
Q.
Q.C.
Q.E.D.
Q.E.F.
Q.F.
QKtP
QNP
QP
QR
Qatar
Qq.
Quadragesima
Quadragesimal
Quai d'Orsay
Quaker
Quaker meeting
Quasimodo
Quaternary
Quathlamba
Quatre Bras
Que.
Quebec
Quechua
Quechuan
Queen Anne's War
Queen Anne's lace
Queen Charlotte Islands
Queen Mab
Queen of Heaven
Queen's Counsel
Queen's speech
Queensberry rules
Queensland
Queensland nut
Queenstown
Quelpart
Quemoy
Quesnay
Quetzalcoatl
Quezon City
Quiberon
Quilmes
Quimper
Quinn
Quinquagesima
Quintana Roo
Quintero
Quirinal
Quirinus
Quirites
Quito
Quixote
Qumran
Quonset hut
R
R and R
R.
R.A.
R.A.A.F.
R.A.M.
R.C.
R.C.A.F.
R.C.M.P.
R.C.P.
R.C.S.
R.E.
R.I.
R.I.B.A.
R.I.P.
R.M.A.
R.M.S.
R.N.
R.Q.
R.R.
R.S.V.P.
RA
RAF
RAM
RATO
RF
RM
RNA
ROK
RSFSR
Ra
Rabat
Rabaul
Rabbath Ammon
Rabelais
Rabelaisian
Rabia
Race
Rachmaninoff
Radnorshire
Radom
Raeburn
Rainbow Bridge
Rainier
Rainier III
Rajab
Rajasthan
Rajasthani
Rajkot
Rajput
Raleigh
Ram
Rama
Ramachandra
Ramadan
Ramakrishna
Ramat Gan
Ramayana
Rambouillet
Rameau
Rameses
Ramilles
Ramsay
Ramses
Ramses II
Ramsgate
Rancagua
Randers
Ranger
Rangoon
Ranjit Singh
Rank
Rapa Nui
Rapallo
Raphael
Rarotonga
Rask
Rasputin
Rathenau
Rattigan
Ravel
Ravenna
Rawalpindi
Ray
Rayleigh
Rh
Rd.
Re.
Reade
Reading
Realpolitik
Rebecca
Received Standard
Recent
Rechabite
Recife
Reconstructionism
Reconstructionist
Red
Red China
Red Crescent
Red Cross
Red Indian
Red Poll
Redeemer
Redmond
Redon
Redstone
Ref. Ch.
Reform Bill
Reform Judaism
Reformed
Reg.
Regensburg
Regin
Regiomontanus
Regt.
Regulus
Reich
Reichenberg
Reichsmark
Reichstag
Reid
Reign of Terror
Reims
Reindeer Lake
Reinhardt
Remarque
Rembrandt
Remington
Remscheid
Remus
Renaissance
Renaissance man
Renfrew
Reni
Rennes
Renoir
Rep.
Republican
Republican Party
Resht
Resistencia
Reticulum
Reuben
Reuchlin
Rev.
Rev. Ver.
Reval
Revere
Reverence
Revised Standard Version
Revised Version
Revolutionary calendar
Rex
Reykjavik
Reynard
Reynaud
Reynolds
Rh
Rh factor
Rh-negative
Rh-positive
Rhadamanthus
Rhaetia
Rhaetian
Rhaetian Alps
Rhaetic
Rhea
Rhea Silvia
Rhee
Rheinland
Rhesus factor
Rhetic
Rhine
Rhineland
Rhineland-Palatinate
Rhode Island
Rhode Island Red
Rhodes
Rhodes scholarship
Rhodesia
Rhodesian man
Rhodesian ridgeback
Rhodian
Rhodos
Rhondda
Rialto
Ribbentrop
Ribera
Ricardo
Riccio
Rice
Richard I
Richard II
Richard III
Richards
Richardson
Richelieu
Richmond
Richter
Richthofen
Ridley
Riemann
Riemannian geometry
Rienzi
Riesling
Rig-Veda
Riga
Rigel
Rigi
Rijeka
Riksdag
Riley
Rilke
Rimbaud
Rimini
Rimsky-Korsakov
Ringer's solution
Rio Branco
Rio de Janeiro
Riot Act
Rip Van Winkle
Ripley
Ripon
Ripuarian
Risorgimento
Ritter
Rivera
Rivers
Riviera
Riyadh
Rizal
Rizzio
Rn
Roanoke Island
Rob Roy
Robbe-Grillet
Robbia
Robert I
Robeson
Robespierre
Robin Goodfellow
Robin Hood
Robson
Roca
Rochdale
Rochelle powders
Rochelle salt
Rock
Rockefeller
Rockhampton
Rockies
Rockingham
Rockwell
Rocky Mountain goat
Rocky Mountain spotted fever
Rocky Mountains
Rodgers
Rodin
Rodney
Roentgen
Roentgen ray
Roethke
Roger
Rogers
Roland
Rolf
Rolland
Rollo
Rom
Rom.
Rom. Cath.
Roma
Romagna
Romaic
Romains
Roman
Roman Catholic
Roman Catholic Church
Roman Catholicism
Roman Empire
Roman alphabet
Roman arch
Roman calendar
Roman candle
Roman collar
Roman law
Roman mile
Roman nose
Roman numerals
Roman pace
Romance
Romanesque
Romanic
Romanism
Romanist
Romano
Romanov
Romans
Romansh
Romany
Romberg
Rome
Romeo
Romish
Rommel
Romney
Romney Marsh
Romulus
Roncesvalles
Ronsard
Roodepoort-Maraisburg
Roosevelt
Roquefort
Rorschach test
Rosa
Royce
Rs.
Rt. Hon.
Rt. Rev.
Ru
Rub' al Khali
Rubens
Rubicon
Rubinstein
Rudolf
Rugby
Ruhr
Ruisdael
Rules
Rumania
Rumanian
Rumelia
Rump Parliament
Runnymede
Runyon
Rupert
Rurik
Rus.
Rusk
Ruskin
Russ
Russ.
Russell
Russia
Russian
Russian Empire
Russian Orthodox Church
Russian Revolution
Russian Turkestan
Russian Zone
Russian dressing
Russian roulette
Russian wolfhound
Russianize
Russo-
Russo-Japanese War
Russophobe
Ruth
Ruthenia
Ruthenian
Rutland
Ruwenzori
Ruysdael
Ruyter
Rwanda
Rwy.
Ryazan
Rybinsk
Ryder
Ryeland
Ryswick
Ryurik
S
S.
S. Dak.
S. of Sol.
S.D.
S.J.
S.J.D.
S.M.
S.P.
S.R.O.
S.T.D.
S.W.A.
S.W.G.
SAM
SAT
SD
SE
SEATO
SG
SHA
SHAEF
SHAPE
SHF
SLR
SOP
SOS
SP
SS
SSE
SSM
SSR
SST
SSW
SW
Saadi
Saar
Saarinen
Sab.
Saba
Sabadell
Sabaean
Sabah
Sabatier
Sabbat
Sabbatarian
Sabbath
Sabbatical
Sabellian
Sabin
Sabine
Sable
Sachsen
Sackville
Sacra Romana Rota
Sacramentarian
Sacred College
Sacred Heart
Sadducee
Sade
Sadi
Safar
Safid Rud
Sagitta
Sagitarius
Saguache
Saguenay
Saguia el Hamra
Sagunto
Sahaptin
Sahara
Saharan
Saharanpur
Saida
Saint Bernard
Saint Patrick's Day
Saint Swithin's Day
Saint Valentine's Day
Saint-Just
Saint-Mihiel
Saint-Pierre
Saint-Simon
Saint-Simonianism
Sainte-Beuve
Saipan
Saiva
Sakai
Sakti
Sal
Saladin
Salado
Salamanca
Salamis
Salem
Salerno
Salford
Salian
Salic
Salinger
Salisbury Plain
Salisbury steak
Salish
Salk
Salk vaccine
Sallust
Salmanazar
Salonika
Salop
Salt Lake City
Salta
Saltillo
Salto
Saluki
Salvador
Salvation Army
Salzburg
Sam.
Sama-Veda
Samara
Samarang
Samaria
Samaritan
Samhita
Samoan
Samos
Samothrace
Samoyed
Samoyedic
Samson
Samsun
Samuel
San
San Bernardino
San Blas
San Fernando
San Francisco
San Francisco Bay
San Ildefonso
San Jose scale
San Juan
San Juan Islands
San Juan Mountains
San Marino
San Pedro Sula
San Remo
San Salvador
San Stefano
Sanctus
Sanctus bell
Sand
Sandakan
Sandalwood Island
Sandhurst
Sandroccottus
Sandwich Islands
Sandwich glass
Sanger
Sangraal
Sanhedrin
Sankhya
Sanmicheli
Sans.
Sanskrit
Sanskritic
Santa
Santa Ana
Santa Anna
Santa Catalina
Santa Clara
Santa Claus
Santa Cruz
Santa Fe
Santa Gertrudis
Santa Isabel
Santa Maria
Santa Marta
Santayana
Santee
Santiago
Santiago de Cuba
Santiago del Estero
Santo Domingo
Santos-Dumont
Saorstat Eireann
Sapir
Sapphic ode
Sapphira
Saracen
Saragossa
Saransk
Sarasvati
Saratoga trunk
Saratov
Sarawak
Sardanapalus
Sardinia
Sardinian
Sardis
Sardou
Sargasso Sea
Sargent
Sargon II
Sarmatia
Samen
Saronic Gulf
Saros
Sarpedon
Sarraute
Sarre
Sarthe
Sarto
Sartre
Sarum use
Sask.
Saskatchewan
Sassanid
Sassenach
Sassoon
Sat.
Satan
Satanism
Satsuma
Satsuma ware
Saturday
Saturn
Saturnalia
Saturnian
Sauternes
Sava
Savage
Savaii
Savannah
Savoie
Savona
Savonarola
Savoy
Savoy Alps
Savoyard
Sax.
Saxe-Coburg-Gotha
Saxo Grammaticus
Saxon
Saxony
Sayers
Sazerac
Sb
Sc
Scafell Pike
Scaliger
Scamander
Scanderbeg
Scandian
Scandinavia
Scandinavian
Scapa Flow
Scaramouch
Scarborough
Scarlatti
Scarron
Schadenfreude
Schaerbeek
Schaffhausen
Scheldt
Schelling
Schiedam
Schiller
Schlegel
Schleiermacher
Schlesien
Schleswig
Schleswig-Holstein
Schliemann
Schmidt
Schmidt telescope
Schnabel
Schnitzler
Schopenhauer
Schopenhauerism
Schrecklichkeit
Schubert
Schumacher  
Schuman  
Schutzstaffel  
Schwaben  
Schwann  
Schwarzwald  
Schweinfurt  
Schweitzer  
Schweiz  
Schwerin  
Scipio  
Scopas  
Scorpio  
Scorpius  
Scot  
Scot.  
Scotch  
Scotch broth  
Scotch mist  
Scotch tape  
Scotch terrier  
Scotch woodcock  
Scotism  
Scotland  
Scotland Yard  
Scots  
Scotsman  
Scott  
Scotticism  
Scottie  
Scottish  
Scottish Gaelic  
Scottish terrier  
Scotus  
Scout  
Scrabble  
Scranton  
Scriabin  
Scribe  
Script.  
Scripture  
Scrooge  
Sculptor  
Scutari  
Scutum  
Scylla  
Seyros  
Scythia
Se
Sea Islands
Seabee
Seaborg
Sealyham terrier
Seattle
Second Advent
Second Coming
Second Empire
Second International
Second Republic
Secunderabad
Securities and Exchange Commission
Security Council
Sedan
Seddon
Sedgemoor
Seebeck effect
Seeger
Sefer Torah
Seidlitz powders
Seine
Seine-et-Marne
Sejm
Selangor
Selden
Selene
Seleucia
Seleucid
Seljuk
Selkirk Mountains
Seltzer
Sem.
Semang
Semele
Seminole
Semipalatinsk
Semiramis
Semite
Semitic
Semitics
Sempach
Senate
Sendai
Seneca
Senegal
Senegambia
Senghor
Shah Jahan
Shahaptian
Shabjahanpur
Shaitan
Shakespearean sonnet
Shakhty
Shakta
Shakti
Shan
Shang
Shanghai
Shangri-la
Shannon
Shantung
Shari
Sharon
Shasta daisy
Shavian
Shaw
Shawnee
Shawwal
Shays
Shcherbakov
Sheba
Shebat
Shechem
Sheerness
Shekinah
Shelley
Shemite
Shensi
Shenyang
Sheol
Shepard
Sherbrooke
Sheridan
Sherman
Sherrington
Sherwood
Shetland
Shetland pony
Shetland sheepdog
Shetland wool
Shevat
Shiah
Shield of David
Shiism
Shiite
Shikoku
Shilha
Shillong
Shiloh
Shinar
Shinto
Shipka Pass
Shiva
Shizuoka
Shluh
Shoa
Sholapur
Sholokhov
Shorter Catechism
Shorthorn
Shoshone
Shoshonean
Shostakovich
Shreveport
Shrewsbury
Shropshire
Shrove Tuesday
Shrovetide
Shufu
Shulamite
Shushan
Shute
Shylock
Si
Sialkot
Siam
Siamese
Siamese cat
Siamese fighting fish
Siamese twins
Sian
Sibelius
Siberia
Sibylline Books
Sicanian
Sicilia
Sicilian Vespers
Sickert
Sicyon
Siddons
Sidi Ifni
Sidney
Sidon
Sidra
Siegbahn
Siege Perilous
Siegfried
Siemens
Siena
Sienese
Sienkiewicz
Sierra Leone
Sierra Madre
Sierra Nevada
Sig.
Sigismund
Sigmund
Signac
Signorelli
Sigurd
Sikang
Sikh
Sikhism
Sikkim
Sikorsky
Silastic
Silesia
Siloam
Silures
Silurian
Silvanus
Simchath Torah
Simeon
Simeon Stylites
Simferopol
Simhath Torah
Simla
Simon
Simon Magus
Simon Peter
Simonides
Simple Simon
Sin
Sinai
Sinaloa
Sinatra
Sinclair
Sind
Sindhi
Sing Sing
Singapore
Singer
Singhalese
Singspiel
Sinhalese
Sining
Sinn Fein
Sino-
Sino-Tibetan
Sion
Siouan
Sioux
Siple
Siqueiros
Sir Roger de Coverley
Siracusa
Siraj-ud-daula
Siret
Sirius
Sisera
Sisley
Sismondi
Sistine Chapel
Sisyphean
Sisyphus
Sita
Sitka
Sitsang
Sitter
Sitting Bull
Sitwell
Siva
Sivan
Sivas
Six Day War
Six Nations
Sixtus V
Skara Brae
Skaw
Skelton
Skinner
Skinner box
Skuld
Skye
Skye terrier
Skylab
Skyros
Slav
Slave State
Slavic
Slavism
Slavonic
Slavophile
Slesvig
Sligo
Sloan
Sloppy Joe
Slovak
Slovakia
Slovene
Slovenia
Sm
Smetana
Smith
Smithson
Smithsonian Institution
Smoky Mountains
Smolensk
Smollett
Smuts
Smyrna
Sn
Snake River
Snell's law
Sno-Cat
Snorri Sturluson
Snow
So.
Sobranje
Soche
Sochi
Social Credit
Social Register
Socialist Labor Party
Society Islands
Society of Friends
Society of Jesus
Socinian
Socinus
Socotra
Socrates
Socratic
Socratic irony
Socratic method
Soddy
Sodium Pentothal
Sodom
Soudan
Soul
Sound
Sousa
South
South Africa
South African
South African Dutch
South America
South Arabia
South Australia
South Bend
South Carolina
South China Sea
South Dakota
South Downs
South Georgia
South Island
South Korea
South Pole
South Sea Islands
South Seas
South Shetland Islands
South Shields
South Vietnam
Southdown
Southeast
Southeast Asia Treaty Organization
Southern Alps
Southern Cross
Southern Rhodesia
Southern Yemen
Southerner
Southey
Southport
Southwest
Soutine
Soviet Russia
Soviet Union
Soyuz
Sp.
Spa
Spaak
Spain
Spalato
Spam
Spandau
Spaniard
Spanish
Spanish America
Spanish Armada
Spanish Civil War
Spanish Guinea
Spanish Main
Spanish Morocco
Spanish Sahara
Spanish bayonet
Spanish cedar
Spanish fly
Spanish guitar
Spanish mackerel
Spanish moss
Spanish paprika
Spanish rice
Spanish-American
Spanish-American War
Spartacus
Spartan
Speaker
Speedwriting
Spence
Spencer
Spencerian
Spencerianism
Spender
Spenserian
Spenserian sonnet
Spenserian stanza
Sphinx
Spinoza
Spinozism
Spires
Spirit
Spithead
Spitsbergen
Split
Spock
Spode
Spokane
Sporades
Springfield
Springfield rifle
Sq.
Sr
Sra.
Sr.
St.
St. Andrews
St. Ex.
Stabat Mater
Stafford
Staffordshire
Staffordshire terrier
Stakhanovism
Stalinabad
Stalingrad
Stalinism
Stalinist
Stalinsk
Stambul
Stamford
Standard English
Stanford-Binet test
Stanley
Stans
Star Chamber
Star of Bethlehem
Star of David
Star-Spangled Banner
Stara Zagora
Stark
Stars and Stripes
Staten Island
Stationers' Company
Statius
Statue of Liberty
Stavanger
Stavropol
Ste.
Steele
Steen
Stefansson
Steiermark
Stein
Steiner
Stella
Stellite
Sten gun
Stendhal
Stentor
Stephen
Stephenson
Sterlitamak
Stern
Stetson
Stettin
Stevenage
Stevens
Stevenson
Stheno
Stillson wrench
Stilton
Stirling
Stirling's formula
Stockholm
Stockton-on-Tees
Stoic
Stoicism
Stoke-on-Trent
Stokowski
Stone Age
Stonehenge
Storting
Stout
Stowe
Strachey
Stradivari
Stradivarius
Strafford
Straits Settlements
Stralsund
Strasbourg
Stratford-on-Avon
Straus
Stravinsky
Strega
Stromboli
Struma
Stuart
Sturm und Drang
Sturmabteilung
Stuyvesant
Stygian
Styria
Styx
Sublime Porte
Subotica
Succoth
Suckling
Sucre
Sudan
Sudanic
Sudbury
Sudra
Sue
Suetonius
Suez
Suez Canal
Suffolk
Suffolk punch
Suffr.
Sufi
Sufism
Suisse
Sukarno
Sukkoth
Sulfonal
Sulla
Sullivan
Sully
Sully-Prudhomme
Sumatra
Sumba
Sumbawa
Sumer
Sumerian
Sumerology
Sumter
Sumy
Sunda Islands
Sunda Strait
Sunday
Sunday best
Sunday clothes
Sunday painter
Sunday punch
Sunday school
Sunderland
Sundsvall
Sung
Sungari
Sungkiang
Sunnite
Suomi
Suprematism
Supreme Being
Supreme Court
Supreme Court of Judicature
Synge
Syr.
Syracuse
Syria
Syriac
Syrian
Syr'tis Major
Syzran
Szabadka
Szczecin
Szechwan
Szeged
Szombathely
Szymanowski
T
T-bar
T-bone steak
T-group
T-man
T-shirt
T.H.I.
TAT
TC
TD
TKO
TNT
TV
TV dinner
TVA
Ta
Taal
Tabasco
Table Mountain
Tabor
Tabriz
Tacitus
Tacna-Arica
Tadzhik
Taegu
Taejon
Tafilelt
Taft
Tagalog
Tagore
Tahiti
Tahitian
Tahoe
Taichung
Taimyr Peninsula
Taisho
Taiwan
Taiwan Strait
Taj Mahal
Tajo
Takamatsu
Takao
Talbot
Talca
Talcahuano
Taliesin
Tallahassee
Tallinn
Tallis
Talmond
Talmud
Talmud Torah
Talmudist
Talos
Tamatave
Tamaulipas
Tamburlaine
Tamerlane
Tamil
Tammany Hall
Tammuz
Tampa
Tampere
Tamworth
Tana
Tanach
Tanagra
Tanana
Tanarive
Tancred
Tanga
Tanganyika
Tangier
Tanguy
Tanjore
Tannenberg
Tanta
Tantalus
Tantra
Tanzania
Tao
Taoism
Tara
Taranto
Tarbes
Tarentum
Targum
Tarim
Tarkington
Tarmac
Tarn
Tarn-et-Garonne
Tarnopol
Tarpeia
Tarpeian Rock
Tarragona
Tarrasa
Tarshish
Tarsus
Tartar
Tartarean
Tartarus
Tartary
Tartu
Tartuffe
Tartuffery
Tashi Lama
Tashkent
Tasman
Tasman Sea
Tasmanian devil
Tasmanian wolf
Tass
Tasso
Tatar
Tatary
Tate
Tatra Mountains
Tatum
Taunton
Taurus
Tavel
Taverner
Tawney
Tay-Sachs disease
Taylor
Tb
Tbilisi
Tc
Tchad
Te
Te Deum
Teach
Tebet
Technicolor
Tecumseh
Tees
Teflon
Tegucigalpa
Teheran
Tehuantepec
Teide
Tel Aviv
Telamon
Telegonus
Telegu
Telemachus
Telemann
Telephoto
Telescopium
Teletype
Teletypesetter
Tell
Teller
Tellus
Telstar
Telugu
Tempe
Templar
Temple of Artemis
Temuco
Ten Commandments
Tenebrae
Tenedos
Tenerife
Tengri Nor
Teniers
Tenn.
Tennessee
Tennessee Valley Authority
Tennessee Walking Horse
Tenniel
Tennyson
Tepic
Ter Borch
Terai
Terceira
Terence
Tereshkova
Teresina
Tereus
Terni
Ternopil
Terpsichore
Terramycin
Terrier
Terry
Tersanctus
Tertullian
Terylene
Tessin
Testament
Teton Range
Tetagrammaton
Tetzel
Teucer
Teut.
Teutoburger Wald
Teuton
Teutonic
Teutonism
Teutonize
Tevere
Tevet
Tex.
Texas
Texas Rangers
Texas fever
Teyde
Tezel
Th
Th.B.
Th.D.
Thackeray
Thaddeus
Thai
Thailand
Thais
Thales
Thalia
Thames
Thanatos
Thanet
Thant
Thapsus
Thar Desert
Thebaid
Thebes
Themis
Themistocles
Theocritus
Theodora
Theodosius I
Theophilus
Theophrastus
Theotokos
Theravada
Theresa
Thermidor
Thermit
Thermopylae
Thermos
Thersites
Theseus
Thespian
Thess.
Thessalonian
Thessalonians
Thetis
Thimbu
Third International
Third Reich
Third Republic
Thirty Years' War
Thirty-nine Articles
Thisbe
Thomas
Thomas of Woodstock
Thomism
Thompson
Thompson submachine gun
Thomson
Thomson effect
Thor
Thorazine
Thoreau
Thorn
Thorndike
Thorpe
Thorvaldsen
Thoth
Thousand Island dressing
Thousand Islands
Thracian
Thraco-Phrygian
Three Rivers
Thucydides
Thule
Thun
Thuner See
Thurber
Thurgau
Thurs.
Thursday
Thursday Island
Thyestes
Ti
Tiber
Tiberias
Tiberius
Tibetan
Tibeto-Burman
Ticino
Ticonderoga
Tieck
Tien Shan
Tiepolo
Tierra del Fuego
Tiffany glass
Tiflis
Tiglath-pileser I
Tiglath-pileser III
Tigre
Tigrinya
Tijuana
Tilburg
Tillich
Tilsit
Timaru
Timbuktu
Times Square
Timisoara
Timon of Athens
Timor Sea
Timoshenko
Timothy
Timour
Tindal
Tintoretto
Tipperary
Tiresias
Tirich Mir
Tirol
Tiros
Tirpitz
Tirso de Molina
Tiruchirapalli
Tishri
Tisiphone
Tisza
Tit.
Titan
Titanesque
Titania
Titanism
Titanomachy
Tithonus
Titian
Titicaca
Titograd
Titoism
Titus
Tityus
Tiu
Tiv
Tivoli
Tjirebon
Tl
Tlaxcala
Tlemcen
Tlingit
Tm
Tob.
Tobey
Tobit
Tobolsk
Tocantins
Tocharian
Todd
Togliatti
Togo
Togoland
Tojo
Tokay
Tokharian
Tokyo
Toledo
Toluca
Tom
Tom Collins
Tom Thumb
Tom and Jerry
Tombouctou
Tommy
Tommy gun
Tomsk
Tonga
Tonkin
Tonle Sap
Toowoomba
Topeka
Tophet
Torah
Torino
Toronto
Torquay
Torquemada
Torrance
Torre del Greco
Torrens
Torres Strait
Torricelli
Torrid Zone
Tortola
Tortuga
Tory
Toryism
Toscana
Toscanini
Toul
Toulon
Toulouse
Toulouse-Lautrec
Touraine
Tourane
Tourcoing
Tournai
Tourneur
Tours
Toussaint L'Ouverture
Tower of London
Townsville
Toyama
Trabzon
Tractarianism
Trafalgar
Traherne
Toulan
Trawal
Transalpine Gaul
Transcaucasia
Transylvanian Alps
Trapani
Trappist
Travancore
Treasury
Trebizond
Treblinka
Tree
Trengganu
Trentino-Alto Adige
Trento
Trenton
Trevelyan
Treviso
Triangulum Australe
Trichinopoly
Tridentine
Tridentum
Trier
Trieste
Trimurti
Trincomalee
Trinidad
Trinidad and Tobago
Trinitarian
Trinitarianism
Trinity
Trinity Sunday
Tripitaka
Triple Alliance
Triple Entente
Tripoli
Triptolemus
Tripura
Tristan
Tristan da Cunha
Triton
Trivandrum
Trobiand Islands
Trojan
Trojan War
Trollope
Trondheim
Trossachs
Trotskyism
Trotskyist International
Trotskyite
Troy
Troyes
Trudeau
Trujillo
Truman
Truman Doctrine
Tsana
Tsaritsyn
Tshombe
Tsimshian
Tsingyuan
Tsushima
Tswana
Tu.
Tuamotu Archipelago
Tuareg
Tubman
Tucana
Tuck
Tucson
Tudor
Tuesday
Tuinal
Tula
Tunbridge Wells
Tungting
Tungus
Tungusic
Tunis
Tunisia
Tupi
Tupi-Guarani
Tupungato
Turanian
Turco
Turenne
Turgot
Turin
Turk
Turk's-cap lily
Turk's-head
Turk.
Turkestan
Turkey
Turkey red
Turki
Turkic
Turkish
Turkish Empire
Turkish bath
Turkish coffee
Turkish delight
Turkish rug
Turkish tobacco
Turkish towel
Turkmen
Turkoman
Turku
Turner
Turpin
Tuscan
Tuscany
Tuscarora
Tutankhamen
Tutuila
Tver
Twain
Tweed
Tweeddale
Tweedledum and Tweedledee
Tweedsmuir
Twelfth Night
Twelfth tide
Twi
Twickenham
Two Sicilies
Tyburn
Tyche
Tycho
Tyler
Tyndale
Tyndall
Tyndall effect
Tyndareus
Tynwald
Typhoeus
Typhon
Tyr
Tyre
Tyrian
Tyrian purple
Tyrolienne
Tyrone
Tyr
Tyrrenian Sea
Ulysses
Umayyad
Umbria
Umbrian
Unamuno
Uncle Sam
Unfederated Malay States
Ungava
Uniat
Union
Unit.
Unitarian
Unitarianism
United Arab Republic
United Arab States
United Kingdom
United Nations
United Press International
United Provinces
United States
United States Navy
United States of America
Univ.
Universal Postal Union
Universalism
Unknown Soldier
Unterwalden
Upanishad
Upolu
Upper Austria
Upper Egypt
Upper Silesia
Upper Tunguska
Upper Volta
Uppsala
Ur
Ural-Altaic
Uralian
Uralic
Urania
Uranian
Uranus
Urban II
Urdar
Urdu
Urey
Urfa
Urga
Uriah
Uriel
Urim and Thummim
Urmia
Urquhart
Ursa Major
Ursa Minor
Ursula
Ursuline
Uru.
Uruguay
Urumchi
Ushant
Ushas
Usk
Uspallata Pass
Ust-Kamenogorsk
Utah
Utgard-Loki
Uther
Utica
Uto-Aztecan
Utopia
Utrecht
Utrillo
Uttar Pradesh
Utu
Uxmal
Uzbek
V
V neck
V-1
V-2
V-Day
V-E Day
V-J Day
V-mail
V-shaped
V-type engine
V.
V. Rev.
V.A.
V.C.
V.I.
V.P.
V.R.
V.W.
VAR
VAT
VC
VD
VHF
VIP
VISTA
VLF
VTOL
Va.
Vaal
Vaasa
Vaduz
Vaishnava
Vaisya
Valais
Valdai Hills
Valdemar I
Valence
Valencia
Valenciennes
Valentine
Valentinian I
Valentino
Valera
Valkyrie
Valladolid
Valletta
Valley Forge
Vallombrosa
Valois
Valona
Valparaiso
Van
Van Allen belt
Van Buren
Van Diemen's Land
Van Dyck
Van Gogh
Vance
Vancouver
Vandal
Vanderbilt
Vandyke
Vandyke beard
Vandyke brown
Vandyke collar
Vane
Vanir
Venus's looking-glass
Venus's-flytrap
Venus's-hair
Venusberg
Venusian
Veracruz
Vercelli
Vercingetorix
Verde
Verdun
Vereeniging
Verein
Vergil
Vermeer
Vermont
Verner's law
Vernoleninsk
Verona
Veronese
Verrazano
Verrocchio
Vertumnus
Verulamium
Verwoerd
Vespasian
Vesper
Vespucci
Vesta
Vesuvius
Veterans Administration
Veterans Day
Viborg
Vic.
Vicar of Christ
Vichy
Vicksburg
Vicky
Vico
Victor Emmanuel III
Victoria
Victoria Cross
Victoria Island
Victoria Land
Victorian
Vidar
Vienna
Vienna sausage
Vienne
Vientiane
Vietcong
Vietnam
Vietnam War
Vietnamese
Vignola
Viipuri
Viking
Villa
Villanovan
Villeneuve
Villon
Viminal
Vincennes
Vincent de Paul
Vincent's angina
Vindhya Pradesh
Vineland
Vinnitsa
Virchow
Virgil
Virgin Mary
Virginia
Virginia Beach
Virginia creeper
Virginia deer
Virginia reel
Virginia stock
Virgo
Visakhapatnam
Visayan
Visayan Islands
Visby
Visconti
Vishinsky
Vishnu
Visigoth
Vistula
Vitebsk
Vitoria
Vitruvius Pollio
Vivian
Viyella
Vladikavkaz
Vladimir
Vladivostok
Vlaminck
Vlissingen
Vltava
Vogul
Volans
Volga
Volgograd
Volkslied
Volsci
Volscian
Volsung
Volsunga Saga
Volta
Voltaire
Volturno
Vorlage
Voronezh
Voroshilov
Voroshilovgrad
Voroshilovsk
Vortumnus
Vosges
Vostok
Votyak
Vouvray
Vries
Vt.
Vuelta Abajo
Vuillard
Vul.
Vulcan
Vulg.
Vulgate
Vulpecula
Vyatka
Vyborg
W
W.
W.A.
W.C.
W.C.T.U.
W.D.
W.I.
W.O.
WAAC
WAAF
WHO
WNW
WRAC
WRAF
Waadt
Waal
Wabash
Wace
Wad Medani
Wadai
Wade
Wadi Halfa
Wafd
Wagga Wagga
Wagner
Wagram
Wahhabi
Waikiki
Wakashan
Wakayama
Wake Island
Wakefield
Waksman
Wal.
Walachia
Waldemar I
Waldenburg
Waldenses
Waldheim
Waldorf salad
Waler
Wales
Walfish Bay
Walhalla
Walkyrie
Wall Street
Wallace
Wallachia
Wallasey
Wallenstein
Waller
Wallis
Walloon
Wallsend
Walpurgis Night
Walsingham
Walter
Walvis Bay
Wandering Jew
Wanderjahr
Wanhsien
Wanne-Eickel
War Between the States
War of 1812
War of Secession
War of the Austrian Succession
War of the Spanish Succession
Warbeck
Ward
Warhol
Warren
Warrington
Wars of the Roses
Warsaw Pact
Warta
Wartburg
Warwick
Warwickshire
Wash
Wash.
Washington
Washington palm
Waterford
Waterloo
Watling Island
Watson
Watt
Watteau
Watts
Watusi
Waugh
Waves
Wayland
Wayne
Waziristan
Wb
Weald
Webb
Weber
Weddell Sea
Wedekind
Wedgwood
Wedgwood blue
Wednesday
Wehrmacht
Weichsel
Weimar Republic
Weimaraner
Weismannism
Weiss懂

Weizmann
Welch
Welles
Wellesley
Wellesz
Wellington boots
Wells
Welsh
Welsh corgi
Welsh dresser
Welsh rabbit
Welsh rarebit
Welsh springer spaniel
Welsh terrier
Weltanschauung
Weltpolitik
Weltschmerz
Wembley
Wenceslaus
Wend
Wendish
Wensleydale
Wentworth
Wesley
Wesleyan
Wesleyanism
Wessex
West
West Berlin
West Bromwich
West End
West Flanders
West Germanic
West Germany
West Hartlepool
West Irian
West Pakistan
West Point
West Prussia
West Sussex
West Virginia
Western
Western Australia
Western Church
Western Hemisphere
Western Ocean
Western Roman Empire
Western Samoa
Westfalen
Westminster
Westminster Abbey
Westmorland
Westphalia
Wetterhorn
Wexford
Weymouth
Wheatstone bridge
Whig
Whiggism
Whistler
Whit
Whitaker
White House
White Mountains
White Nile
White Russia
White Russian
White Sea
White Volta
Whitechapel
Whitehall
Whitehead
Whitehorse
Whitney
Whitsun
Whitsunday
Whitsuntide
Whittington
Whittle
Whyalla
Wichita
Wick
Wickliffe
Wicklow
Wieland
Wien
Wiesbaden
Wigan
Wight
Wilberforce
Wild Hunt
Wild West
Wild West show
Wilde
Wilderness
Wilhelm I
Wilhelm II
Wilhelmstrasse
Wilkes
Wilkes Land
Wilkins
Willemstad
William I
William II
William the Conqueror
Williams
Williamsburg
Williamson
Wilmington
Wilson cloud chamber
Wilson's snipe
Wilton
Wiltshire
Wimshurst machine
Winchester
Wind River Range
Windermere
Windhoek
Windsor
Windsor chair
Windsor knot
Windsor tie
Windward Islands
Windward Passage
Winnebago
Winnipegosis
Wirephoto
Wis.
Wisconsin
Wisd.
Wisia
Wismar
Wittenberg
Wittgenstein
Witwatersrand
Witwatersrand
Wobblly
Woden
Wolf
Wolfe
Wolff
Wolfram von Eschenbach
Wollongong
Wolof
Wolsey
Wolverhampton
Wood
Woodbridge
Woods
Woolf
Woolley
Woolworth
Worcester
Worcestershire
Wordsworth
World Bank
World Court
World Health Organization
World Series
World War I
World War II
Worms
Worship
Worth
Wotan
Wotton
Wrens
Wright
Wuhan
Wuhien
Wuhu
Wulfila
Wundt
Wyandotte
Wyatt
Wycliffite
Wye
Wyeth
Wyo.
Wyoming
X
X chromosome
XL
XP
Xanthippe
Xanthus
Xavier
Xe
Xenocrates
Xenophanes
Xenophon
Xeres
Xerox
Xerxes I
Xhosa
Ximenes
Xmas
Xn.
Xnty.
Xt.
Xuthus
Y
Y chromosome
Y.
Y.M.C.A.
Y.M.H.A.
Y.T.
Y.W.C.A.
Y.W.H.A.
YHVH
Yahata
Yahrzeit
Yahweh
Yahwistic
Yajur-Veda
Yakut
Yakutsk
Yalta
Yalu
Yama
Yamashita
Yang
Yangtze
Yanina
Yank
Yankee
Yankee Doodle
Yankeeism
Yap
Yarkand
Yarmouth
Yaroslavl
Yawata
Yb
Yeisk
Yellow River
Yellowknife
Yellowstone
Yellowstone Falls
Yellowstone National Park
Yemen
Yenisei
Yentai
Yerevan
Yezd
Ygerne
Yggdrasil
Yiddish
Yin and Yang
Yingkow
Ymir
Yoga
Yokohama
Yom Kippur
Yonkers
Yonne
Yorkist
Yorkshire
Yorkshire pudding
Yorkshire terrier
Yorktown
Yoruba
Yosemite Falls
Young
Young Pretender
Young Turk
Young's modulus
Youngstown
Ypres
Ypsilanti
Yser
Yseult
Yt
Yugo.
Yugoslav
Yugoslavia
Yukaghir
Yukon
Yukon time
Yurev
Z
Zabrze
Zacatecas
Zacynthus
Zagazig
Zagreb
Zagreus
Zagros Mountains
Zama
Zambia
Zamboanga
Zamora
Zante
Zapata
Zaporozhye
Zarathustra
Zebedee
Zebulun
Zech.
Zechariah
Zeebrugge
Zeeland
Zeeman effect
Zeist
Zeitgeist
Zen
Zend-Avesta
Zeno of Citium
Zeno of Elea
Zenobia
Zeph.
Zephaniah
Zephyrus
Zeppelin
Zermatt
Zetland
Zeus
Zeuxis
Zhdanov
Zhukov
Ziegfeld
Zilpah
Zimbabwe
Zinfandel
Zinovievsk
Zion
Zionism
Zipangu
Ziska
Zlatoust
Zn
Zoan
Zollverein
Zomba
Zorn
Zoroaster
Zoroastrian
Zoroastrianism
Zouave
Zr
Zsigmondy
Zug
Zuider Zee
Zulu
Zuyder Zee
Zweig
Zwickau
Zwinglian
Zwolle
Zworykin
Zyrian
a
a cappella
a capriccio
a fortiori
a la carte
a la mode
a posteriori
a priori
a tempo
a'
a-
a.
a.c.
a.f.
a.m.
a.p.
a.r.
a.w.
aa
aalii
aardvark
aardwolf
ab initio
ab origine
ab ovo
ab urbe condita
ab-
aba
abaca
abacist
aback
abacus
abait
abalone
abhenry
abhor
abhorrence
abhorrent
abide
abiding
abietic acid
abigail
ability
abiogenesis
abiogenetic
abiosis
abiotic
abirritant
abirritate
abject
abjuration
abjure
abl.
ablate
ablation
ablative
ablative absolute
ablaut
ablae
able
able seaman
able-bodied
able-bodied seaman
ablepsia
abloom
ablation
ably
abmho
abnegate
abnormal
abnormal psychology
abnormality
abnormity
aboard
abode
abohm
abolish
abolition
abomasum
abominable
abominate
abomination
aboral
aboriginal
aborigine
aborning
abort
aborticide
abortifacient
abortion
abortionist
abortive
aboulia
abound
about
about ship
about-face
about-ship
above
aboveboard
aboveground
abr.
abracadabra
abradant
abrade
abrancheiate
abrasion
abrasive
abraxas
abreact
abreaction
 abreast
abri
abridge
abridgment
abroach
abroad
abrogate
abrupt
abruption
abscess
abscind
abscise
abscissa
abscission
abscission layer
abscound
abseil
absence
absence of mind
absence without leave
absent
absent without leave
absent-minded
absente reo
absentee
absentee ballot
absentee landlord
absentee vote
absenteeism
absently
absentminded
absinthe
absinthism
absit omen
absolute
absolute alcohol
absolute altitude
absolute ceiling
absolute humidity
absolute idealism
absolute magnitude
absolute majority
absolute monarchy
absolute music
absolute pitch
absolute temperature
absolute value
absolute zero
absolutely
absolution
absolutism
absolve
absonant
absorb
absorbance
absorbed
absorbefacient
absorbent
absorbent cotton
absorber
absorbing
absorptance
absorption
absorption spectrum
absorptivity
absquatulate
abstain
abstemious
abstention
abstergent
abstinence
abstract
abstract expressionism
abstract noun
abstract of title
abstracted
abstraction
abstractionism
abstractionist
abstriction
abstruse
absurd
absurdity
abulia
abundance
abundant
abundant number
abundant year
abuse
abusive
abut
abutilon
abutment
abuttal
abuttals
abutter
abutting
abuzz
abvolt
abwatt
aby
abysm
abysmal
abyss
abyssal
acacia
academe
academia
academic
academic freedom
academic year
academician
academicism
academy
acaleph
acanthaceous
acantho-
acanthocephalan
acanthoid
acanthopterygian
acanthous
acanthus
acarisis
acaricide
acarid
acaroid
acarology
acarpous
acarus
acatalectic
acaudal
acaulescent
acc.
accede
accel.
accelerando
accelerant
accelerate
acceleration
accelerator
accelerometer
accent
accent mark
accenctor
accentual
accentuate
accentuation
accept
acceptable
acceptance
acceptant
acceptation
accepted
accepter
acceptor
access
access time
accessary
accessible
accession
accession number
accessory
accessory nerve
acciaccatura
accidence
accident
accident insurance
accidental
accidie
accipiter
accipitrine
acclaim
acclamation
acclimate
acclimatize
acclivity
accolade
accommodate
accommodating
accommodation
accommodation bill
accommodation ladder
accommodation train
accommodative
accompaniment
accompanist
accompany
accompanyist
accomplice
accomplish
accomplished
accomplishment
accord
accordance
accordant
according
according as
according to
accordingly
accordion
accost
accouchement
accoucheur
account
account book
account current
account for
account payable
account receivable
accountable
accountancy
acetal
acetaldehyde
acetamide
acetanilide
acetate
acetate rayon
acetic
acetic acid
acetic anhydride
acetify
acet-
acetometer
acetone
acetone body
acetophenetidin
acetous
acetum
acetyl
acetylated
acetylene
acetylide
acetylsalicylic acid
acey-deucy
ache
achene
achieve
achievement
achievement age
achievement quotient
achievement test
achlamydeous
achlorhydria
achondrite
achondroplasia
achromat
achromatic
achromatic lens
achromaticity
achromatin
achromatism
achromatize
achromatous
achromatic
acicula
acicular
aciculate
aciculum
acid
drop
dye
cr
soil
test
-fast
-forming
-head
c
ify
meter
metry
ty
phil
philus milk
osis
ulant
ulate
ten
ous
rate
aciform
iform
us
ack-ack
ob
gment
line
me
ne
ode
lyte
ite
orn
barnacle
squash
worm
smism
yledon
oustic
ic mine
rve
hetics
ician
stics
pt.
quaint
acquaintance
acquainted
acquiesce
acquiescence
acquiescent
acquire
acquired taste
acquirement
acquisition
acquisitive
acquit
acquittal
acquittance
acre
acre-foot
acre-inch
acreage
acred
acrid
acridine
acriflavine
acriflavine hydrochloride
acrimonious
acrimony
acro-
acrobat
acrobatic
acrobatics
acrocarpous
acrodont
acrodrome
acrogen
acrolein
acrolith
acromegaly
acromion
acronym
acropetal
acrophobia
acropolis
acrosphire
across
across-the-board
acrostic
acrouter
acroterion
acrylic
acrylic acid
acrylic resin
acrylonitrile
acrylyl
act
act curtain
act of God
act of faith
act of war
act on
act out
act up
actable
actg.
actin
actinal
acting
acting area
actinia
actinic
actinic ray
actinide series
actiniform
actinism
actinium
actinium series
actino-
actinochemistry
actinoid
actinolite
actinology
actinometer
actinomorphic
actinomycete
actinomycin
actinomycosis
actinon
actinopod
actinotherapy
actinouranium
actinozoan
action
action painting
actionable
activate
activated sludge
activator
active
active duty
active immunity
active list
active service
activism
activist
activity
actomyosin
actor
actress
actual
actuality
actualize
actually
actuary
actuate
acute
acuity
aculeate
aculeus
acumen
acuminate
acupuncture
acutance
acute
acute accent
acute alcoholism
acyclic
acyl
ad
ad hoc
ad hominem
ad infinitum
ad interim
ad lib
ad litem
ad nauseam
ad rem
ad val.
ad valorem
ad- ad-lib
adactylous
adage
adagietto
adagio
adamant
adamantine
adamsite
adapt
adaptable
adaptation
adapter
adaptive
adaxial
add
add up
add.
adax
addend
addendum
adder
adder's-mouth
adder's-tongue
addict
addicted
addiction
addictive
adding machine
additament
addition
additional
additive
additory
addle
addlebrained
addlepated
address
addressee
addressing machine
adduce
adduct
adduction
adductor
ademption
adenectomy
adenine
adenitis
adeno-
adenocarcinoma
adenoid
adenoidal
adenoidectomy
adenoma
adenosine
adenosine triphosphate
adenovirus
adaptoy
adequacy
adequate
adermin
adhesive
adherence
adherent
adhesion
adhesive
adhesive plaster
adhesive tape
adhibit
adiabatic
adiaphorism
adiaphorous
adiathermancy
adieu
adios
adipocere
adipose
adipose fin
adit
adj.
adjacency
adjacent
adjectival
adjective
adjoint
adjoining
adjoint
adjourn
adjournment
adjt.
adjudicate
adjudication
adjunct
adjunction
adjure
adjust
adjustment
adjutant
adjutant bird
adjutant general
adjuvant
adman
admass
admeasure
admeasurement
adminicle
administer
administrate
administration
administrative
administrator
admirable
admiral
admiralty
admiralty metal
admiration
admire
admissible
admission
admissive
admit
admittance
admittedly
admix
admixture
admonish
admonition
admonitory
adnate
ado
adobe
adobe flat
adolescence
adolescent
adopt
adopted
adoptive
adorable
adoration
adore
adorn
adornment
adown
adrenal
adrenal gland
adrenaline
adrenocorticotropic
adrenocorticotropic hormone
adrift
adroit
ascititious
adscription
adsorb
adsorbate
adsorbent
adsuki bean
adularia
adulate
adulation
adult
adulterant
adulterate
adulteration
adulterer
adulteress
adulterine
adulterous
adultery
adulthood
adumbral
adumbrate
adust
adv.
advance
advance guard
advanced
advancement
advantage
advantageous
advection
advent
adventitia
adventitious
adventure
adventurer
adventuresome
adventuress
adventurism
adventurous
adverb
adverbial
adversaria
adversary
adversative
adverse
adverse possession
adversity
advert
advertence
advertent
advertise
advertisement
advertising
advice
advisable
advise
advised
advisedly
advisee
advisement
adviser
advisory
advocaat
advocacy
advocate
advocation
advocatus diaboli
advowson
advt.
adynia
adytum
adz
adze
adzuki bean
ae.
aeciospore
aecium
aedes
aedile
aegis
aegrotat
aeneous
aeolian harp
aeolipile
aeolotropic
aeon
aeonian
aer-
aerate
aerator
aeri-
aerial
aerial bomb
aerial ladder
aerial mine
aerial perspective
aerosphere
aerostat
aerostatic
aerostatics
aerostation
aerothepapeutics
aerothermodynamics
aerugo
aery
aesthesia
aesthete
aesthetic
aesthetic distance
aesthetically
aestheticism
aesthetics
aestival
aestivate
aestivation
aet.
aether
aetiology
afar
afeard
afebrile
affable
affair
affaire
affaire d'honneur
affairs
affect
affectation
affected
affecting
affection
affectional
affectionate
affective
affenpinscher
afferent
affettuoso
affiance
affianced
affiant
affiche
affidavit
affiliate
affiliation
after-dinner
afterbirth
afterbody
afterbrain
afterburner
afterburning
aftercare
afterclap
afterdamp
afterdeck
aftereffect
afterglow
aftergrowth
afterguard
afterheat
afterimage
afterlife
aftermath
aftermost
afternoon
afternoon tea
afternoons
afterpiece
aftersensation
aftershaft
aftershock
aftertaste
afterthought
aftertime
afterward
afterwards
afterword
afterworld
afteryears
aftmost
aga
again
against
agalloch
agama
agamete
agamic
agamogenesis
agapanthus
agape
agar
agaric
agate
agitate
agitation
agitato
agitator
agitprop
agleam
aglet
agley
aglimmer
aglitter
aglow
agma
agminate
agnail
agnate
agnomen
agnosia
agnostic
agnosticism
ago
agog
agon
agone
agonic
agonic line
agonist
agonistic
agonize
agonized
agonizing
agony
agony column
agora
agoraphobia
agouti
agr.
agraffe
agranulocytosis
agrapha
agraphia
agrarian
agree
agreeable
agreed
agreement
agrestic
agribusiness
agric.
agriculture
agriculturist
agrimony
agro-
agrobiology
agrology
agron.
agronomics
agronomy
agrostology
aground
ague
agueweed
aguish
ah
aha
ahead
ahem
ahimsa
ahoy
ai
aid
aide
aide-de-camp
aiglet
aigrette
aiguille
aiguillette
aikido
ail
ailanthus
aileron
aileron roll
ailing
ailment
ailurophile
ailurophobe
aim
aimless
ain
ain't
air
air alert
air bag
air base
air bed
air bladder
air brake
air cargo
air coach
air conditioner
air conditioning
air cover
air curtain
air cushion
air cylinder
air drill
air fleet
air force
air gas
air gun
air hammer
air hole
air jacket
air lane
air letter
air line
air log
air mass
air mile
air plant
air pocket
air power
air pump
air raid
air rifle
air route
air sac
air scoop
air service
air shaft
air sleeve
air sock
air space
air spring
air station
air turbine
air valve
air vesicle
air-condition
air-cool
air-dry
air-minded
air-raid shelter
air-raid warden
air-sea rescue
alcahest
alcaide
alcalde
alcazar
alchemist
alchemize
alchemy
alcheringa
alcohol
alcoholic
alcoholicity
alcoholism
alcoholize
alcoholometer
alcove
aldehyde
alder
alder buckthorn
alderman
aldol
aldose
aldosterone
aldrin
ale
aleatory
alexandrite
alexia
alexin
alexipharmic
alfalfa
alfilaria
alforja
alfresco
alg.
alg
algae
algarroba
algebra
algebraic
algebraic number
algebraist
algesia
algetic
algicide
algid
algin
alginate
alginic acid
algo-
algoid
algolagnia
algology
algometer
algophobia
algor
algorism
algorithm
alias
alibi
alible
alicyclic
alidade
alien
alienable
alienage
alienate
alienation
alienee
alienism
alienist
alienor
aliform
alight
align
alignment
alike
aliment
alimentary
alimentary canal
alimentation
alimony
aline
aliped
aliphatic
aliquant
aliquot
alit
aliunde
alive
alizarin
alk.
alkahest
alkali
alkali disease
alkali flat
alkali metal
alkali soil
alkalify
alkalimeter
alkaline
alkaline earth
alkalinity
alkalinize
alkalize
alkaloid
alkalosis
alkane
alkanet
alkene
alkyd
alkyd resin
alkyl
alkylation
alkyne
all
all clear
all fours
all hail
all in
all right
all-
all-American
all-around
all-embracing
all-fired
all-important
all-inclusive
all-night
all-out
all-powerful
all-purpose
all-round
all-star
all-time
alla breve
alla prima
allanite
allantoid
allantois
allargando
allative
allay
allegation
allege
alleged
allegedly
allegiance
allegorical
allegorist
allegorize
allegory
allegretto
allegro
allele
allelomorph
alleluia
allemande
allergen
allergic
allergist
allergy
allethrin
alleviate
alleviation
alleviative
alleviator
alley
alley cat
alleyway
allheal
alliaceous
alliance
allied
allies
alligator
alligator lizard
alligator pear
alligator wrench
alliterate
alliteration
aliterate
allium
allness
allo-
allocate
allocation
allochthonous
allocution
alloidal
alodium
allogamy
allograph
allomerism
allometry
allomorph
allomorphism
allonge
allonym
allopah
alopathy
allopatric
allopath
allophane
allophone
alloplasm
allot
allotment
allotrope
allotropy
allottee
allover
allow
allowable
allowance
allowed
allowedly
alloy
alloy steel
allseed
allspice
allude
allure
allurement
alluring
allusion
allusive
alluvial
alluvial fan
alluvion
alluvium
ally
allyl
allyl alcohol
allyl resin
alma mater
almanac
almandine
almimar
almighty
almond
almond oil
almond-eyed
almoner
almonry
almost
alms
almugiver
almshouse
almsman
almowswoman
almucantar
almuce
alodium
aloe
aloes
aloeswood
aloft
aloha
aloin
alone
along
alongshore
alongside
aloof
alopecia
aloud
allow
alp
alpaca
alpenglow
alpenhorn
alpenstock
alpestrine
alpha
alpha and omega
alpha decay
alpha iron
alpha particle
alpha ray
alpha test
alphabet
alphabetical
alphabetize
alphanumeric
alphtomancy
alphorn
alphosis
alpine
alpine garden
alpinist
already
alright
also
also-ran
alt
alt.
altar
altar boy
altar bread
altar cloth
altar rail
altar stone
altar wine
altarpiece
altazimuth
alter
alter ego
alterable
alterant
alteration
alterative
altercate
altercation
altered chord
alternant
alternate
alternate angles
alternately
alternating current
alternating personality
alternation
alternation of generations
alternative
amadavat
amadou
amah
amain
amalgam
amalgamate
amalgamation
amandine
amanita
amanuensis
amaranth
amaranthaceous
amaranthine
amarette
amaryllidaceous
amaryllis
amass
amateur
amateurish
amateurism
amative
amatol
amatory
amaurosis
amaze
amazed
amazement
amazing
amazon
amazonite
ambages
ambagious
ambary
ambassador
ambassador-at-large
ambassadress
amber
ambergris
amberjack
amberoid
ambi-
ambidexter
ambidexterity
ambidextrous
ambience
ambient
ambiguity
ambiguous
ambit
ambitendency
ambition
ambitious
ambivalence
ambiversion
ambivert
amble
amblygonite
amblyopia
amblyoscope
ambo
amboceptor
ambroid
ambrosia
ambrosial
ambrotyle
ambry
amboscope
ambulacrum
ambulance
ambulance chaser
ambulant
ambulate
ambulator
ambulatory
ambuscade
ambush
ameba
ameer
ameliorate
amelioration
amen
amen corner
amenable
amend
amendatory
amendment
amends
amenity
ament
amentia
ameerce
americium
amesace
amethyst
ametropia
ami
amiable
amianthus
amicable
amice
amicus curiae
amid
amidase
amide
amido-
amidships
amidst
amie
amigo
amimia
amine
amino
amino acid
amino resin
amino-
aminobenzoic acid
aminoplast
aminopyrine
amir
amiss
amitosis
amity
ammeter
ammine
ammo
ammonal
ammonate
ammonia
ammonia solution
ammoniac
ammoniacal
ammoniate
ammonic
ammonify
ammonite
ammonium
ammonium carbamate
ammonium carbonate
ammonium chloride
ammonium hydroxide
ammonium nitrate
ammunition
amnesia
amnesty
amniocentesis
amnion
amoeba
amoebae
amoebic
amoebic dysentery
amoebocyte
amoeboid
amok
among
amongst
amontillado
amor patriae
amoral
amoretto
amorino
amorist
amoroso
amorous
amorphism
amorphous
amortization
amortize
amortizement
amount
amour
amour-propre
amp.
ampelopsis
amperage
ampere
ampere-hour
ampere-turn
ampersand
amphetamine
amphi-
amphiarthrosis
amphiaster
amphibian
amphibiotic
amphibious
amphibole
amphibolite
amphibology
amphibolous
amphiboly
amphibrach
amphichroic
amyl alcohol
amyl nitrite
amylaceous
amylase
amylene
amylo-
amyloid
amylolysis
amyllopectin
amylopsin
amylose
amyllum
amyotonia
an
an't
an-
an.
ana
ana-
anabaena
anabantid
anabas
anabasis
anabatic
anabiosis
anabolism
anabolite
anabranch
anacardiaceous
anachronism
anachronistic
anachronous
anaclinal
anaclitic
anacoluthia
anacoluthon
anaconda
anacrusis
anadem
anadiplosis
anadromous
anaemia
anaemic
anaerobe
anaerobic
anaesthesia
anaesthesiology
anaesthetize
anaglyph
anagnorisis
anagoge
anagram
anagrammatize
anal
anal fin
anal intercourse
anal.
analcite
analects
analemma
analectic
analgesia
analgesic
analogue
analog
analog computer
analogical
analogize
analogous
analogue
analogy
analphabetic
analysand
analyse
analysis
analysis of variance
analysis situs
analyst
analytic
analytic geometry
analyze
analyzer
anamnesis
anamorphic
anamorphism
anamorphoscope
anamorphosis
anandrous
ananthous
anapest
anaphase
anaphora
anaphrodisiac
anaphylaxis
anaplastic
anaplasty
anaptyxis
anarch
anarchic
anarchism
anarchist
anarchy
anarthria
anarthrous
anasarca
anastigmatic
anastigmatic
anastomose
anastomosis
anastrophe
anat.
anatase
anathema
anathematize
anatomical
anatomist
anatomize
anatomy
anatropous
anatto
ancestor
ancestral
ancestress
ancestry
anchor
anchor deck
anchor ice
anchor light
anchor man
anchor ring
anchor watch
anchorage
anchoress
anchorite
anchoveta
anchovy
anchovy pear
anchose
anchylose
ancienne noblesse
ancient
ancient history
anciently
ancilla
ancillary
aneroidograph
anesthesia
anesthesiologist
anesthesiology
esthetic
anesthetist
anestheticize
anethole
aneurin
aneurysm
anew
anfractuosity
anfractuous
angary
angel
angel cake
angel food cake
angel shark
angelfish
angelic
angelica
angelology
anger
angina
angina pectoris
angio-
angiology
angioma
angiosperm
angle
angle bracket
angle iron
angle of attack
angle of bank
angle of deviation
angle of dip
angle of incidence
angle of pitch
angle of reflection
angle of refraction
angle of roll
angle plate
angler
anglesite
angleworm
anglicize
angling
angora
angostura bark
angry
angry young man
angst
angstrom
anguilliform
anguine
anguish
anguished
angular
angular acceleration
angular momentum
angular velocity
angularity
angulate
angulation
angwantibo
anhedral
anherga
anhydrogen
anhydrite
anhydrous
ani
aniconic
anil
anile
aniline
aniline black
aniline dye
anility
anim.
anima
animadversion
animadvert
animal
animal heat
animal husbandry
animal kingdom
animal magnetism
animal spirits
animal starch
animalcule
animalism
animalist
animality
animalize
animate
animated
animated cartoon
animation
animatism
animato
animator
animism
animosity
animus
anion
anise
aniseed
aniseikonia
anisette
aniso-
anisole
anisomerous
anisometric
anisometropia
anisotropic
ankerite
ankh
ankle
ankle-deep
anklebone
anklet
ankus
ankylosaur
ankylose
ankylosis
ankylostomiasis
anlase
anlage
ann.
anna
annabergite
annal
annalist
annals
annates
annatto
anneal
annelid
annex
annexation
annihilate
annihilation
annihilator
anniversary
anno Domini
anno regni
anno urbis conditae
annotate
annotation
announce
announcement
announcer
annoy
annoyance
annoying
annual
annual parallax
annual ring
annuitant
annuity
annul
annular
annular eclipse
annular ligament
annulate
annulation
annulet
annulment
annulose
annulus
annunciate
annunciation
annunciator
annus mirabilis
anoa
anode
anode ray
anodic
anodize
anodyne
anoint
anole
anomalism
anomalistic
anomalistic month
anomalistic year
anomalous
anomaly
anomie
anon
anon.
anonym
anonymous
anopheles
anorak
anorexia
anorexia nervosa
anorthic
anorthite
anorthosite
anosmia
another
anoxemia
anoxia
ansate
anserine
answer
answer for
answerable
ant
ant bear
ant hill
antu.
ant
antacid
antagonism
antagonist
antagonistic
antagonize
antalkali
antarctic
ante
ante meridiem
ante-
ant-bellum
ante-mortem
anteater
antebellum
antecede
antecedence
antecedency
antecedent
antecedents
antechamber
antechoir
antedate
antediluvian
antefix
antelope
antemeridian
antemundane
antenatal
antenna
antenna array
antennule
antepast
antependium
antepenult
anterior
anteroom
antetype
anteversion
antevert
anthelion
anthelmintic
anthem
anthemion
anther
antheridium
antherozoid
anthesis
anthill
antho-
anthocyanin
anthodium
anthologize
anthology
anthophage
anthotaxy
anthozoon
anthracene
anthracite
anthracnose
anthracoid
anthracosilicosis
anthracosis
anthraquinone
anthrax
anthrop.
anthropo-
anthropocentric
anthropogenesis
anthropogeography
anthropography
anthropoid
anthropoid ape
anthropol.
anthropolatry
anthropologist
anthropology
anthropometry
anthropomorphic
anthropomorphism
anthropomorphize
anthropomorphosis
anthropomorphous
anthropopathy
anthropophagi
anthropophagite
anthropophagy
anthroposophy
anthurium
anti
anti-
anti-G suit
anti-Semite
anti-icer
antiar
antibaryon
antibiosis
antibiotic
antibody
antic
anticatalyst
anticathexis
anticathode
antichlor
anticholinergic
anticipant
anticipate
anticipation
anticipative
anticipatory
anticlastic
anticlerical
anticlimax
anticlinal
anticline
anticlinorium
anticlockwise
anticoagulant
anticyclone
antidepressant
antidiseaseantishmentarianism
antidote
antidromic
antifebrile
antifouling
antifouling paint
antifreeze
antifriction
antigen
antigorite
antihalation
antihelix
antihero
antihistamine
antiknock
antilepton
antilog
antilogarithm
antilogism
antilogy
antimacassar
antimagentic
antimalarial
antimasque
antimatter
antimere
antimicrobial
antimissile
antimissile missile
antimonic
antimonous
antimony
antimony potassium tartrate
antimony
antineutrinonic
antineutron
anting
antinode
antinomian
antinomy
antinucleon
antioxidant
antiparallel
antiparticle
antipasto
antipathetic
antipathy
antiperiodic
antiperistalsis
antipersonnel
antiperspirant
antiphlogistic
antiphon
antiphonal
antiphonary
antiphony
antiphrasis
antipodal
antipode
antipodes
antipole
antipope
antiproton
antipyretic
antipyrine
antiq.
antiquarian
antiquary
antiquate
antiquated
antique
antiquity
antirachitic
antirrhinum
antiscorbutic
antisepsis
antiseptic
antisepticize
antiserum
antislavery
antisocial
antispasmodic
antistrophe
antisyphilitic
antitank
antithesis
antitoxic
antitoxin
antitrades
antitragus
antitrust
antitype
antivenin
antiworld
antler
antlia
antlion
antonomasia
antonym
antre
antrorse
antrum
anurian
anuria
anuric
anus
anvil
anxiety
anxious
anxious seat
any
anybody
anyhow
anyone
anyplace
anything
anytime
anyway
anyways
anywhere
anywheres
anywise
aorist
aoristic
aorta
aortic insufficiency
aortic stenosis
aoudad
ap-
apace
apache
apache dance
aparage
apareja
apart
apartheid
apartment
apartment house
apatetic
apathetic
apathy
apatite
ape
ape-man
apeak
aperient
aperiodic
aperture
apery
apetalous
apex
aphaeresis
aphanite
aphasia
aphasic
aphelion
apheliotropic
aphesis
aphid
aphis
aphonia
aphonic
aphorism
aphoristic
aphorize
aphotic
aphrodisia
aphrodisiac
aphthous fever
aphyllous
apian
apiarian
apiarist
apiary
apical
apices
apiculate
apiculture
apiece
apish
apivorous
aplacental
aplanatic
aplanospore
aplasia
aplastic anemia
aplenty
aplite
aplomb
apnea
apo-
apocalypse
apocalyptic
apocarp
apocarpous
apochromatic
apocopate
apocope
apocrine
apocryphal
apocynaceous
apocynthion
apodal
apodictic
apodosis
apoenzyme
apogamy
apogee
apogeotropism
apograph
apolitical
apologete
apologetic
apologetics
apologia
apologist
apologize
apologue
apology
apolune
apomict
apomixis
apomorphine
aponeurosis
apopemptic
apophasis
apophthegm
apophyte
apophyllite
apophysis
apoplectic
apoplexy
aporia
aport
aposematic
aposiopesis
apospory
apostasy
apostate
apostatize
apostil
apostle
appendicle
appendicular
appendix
apperceive
apperception
appertain
appetence
appetency
appetite
appetitive
appetizer
appetizing
applaud
applause
apple
apple brandy
apple butter
apple green
apple of discord
apple-pie bed
apple-pie order
applecart
applejack
apples
apples and pears
applesauce
appliance
applicable
applicant
application
applicative
applicator
applicatory
applied
applique
apply
appoggiatura
appoint
appointed
appointee
appointive
appointment
appointor
apportion
apportionment
appose
apposite
apposition
appositive
appraisal
appraise
appreciable
appreciate
appreciation
appreciative
apprehend
apprehensible
apprehension
apprehensive
apprentice
appressed
apprise
approach
approachable
approbate
approbation
appropriate
appropriation
approval
approve
approved school
approver
approx.
approximal
approximate
approximation
appulse
appurtenance
appurtenant
apraxia
apricot
apriorism
apron
apron stage
apropos
apse
apsis
apt
apt.
aperal
apterous
apterygial
apteryx
aptitude
aptitude test
apyretic
aqua
aqua ammoniae
aqua fortis
aqua regia
aqua vitae
aquacade
aqualung
aquamanile
aquamarine
aquanaut
aquaplane
quarelle
aquarist
aquarium
aquatic
aquatint
aquavit
aqueduct
aqueous
aqueous ammonia
aquiculture
aquifer
aquilegia
aquiline
aquiver
ar.
arabesque
arabinose
arable
araceous
arachnid
arachnoid
aragonite
arak
araliaceous
arapaima
araroba
araucaria
arbalest
arbiter
arbiter elegantiae
arbitrage
arbitral
arbitrament
arbitrary
arbitrate
arbitration
arbitor
arbitress
arbor
arbor vitae
arboreal
arboreous
arborescent
arboretum
arboriculture
arborization
arbor vitae
arbour
arbucal
arc
arc furnace
arc light
arc-boutant
arcade
arcane
arcanum
arcature
arch
arch dam
arch-
arch.
archo-
archo-
archeo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archo-
archer
archerfish
archery
archespore
archetype
archfiend
archi-
archicarp
archidiaconal
archiepiscopacy
archiepiscopal
archiepiscopate
archil
archimage
archimandrite
archine
arching
archipelago
archiphoneme
archiplasm
archit.
architect
architectonic
architectonics
architectural
architecture
architrave
archival
archive
archives
archivist
archivolt
archlute
archon
archoplasm
archpriest
archt.
archway
arciform
arcograph
arctic
arctic fox
arcuate
arcuation
ardeb
ardency
ardent
ardent spirits
ardor
arduous
are
area
area bombing
area code
areaway
area
aren’t
arena
arena theater
arenaceous
arenicolous
areola
arethusa
argal
argali
argent
argentic
argentiferous
argentine
argentite
argentous
argentum
argil
argillaceous
argilliferous
argillite
arginine
argol
argon
argosy
argot
arguable
argue
argufy
argument
argumentation
argumentative
argumentum
argumentum ad hominem
argy-bargy
argyle
aria
aria da capo
arid
ariel
arietta
aright
aril
arilode
ariose
arioso
arise
arista
aristate
aristocracy
aristocrat
aristocratic
arithmetic
arithmetic mean
arithmetic progression
arithmetician
arithmomancy
ark
arkose
arm
armada
armadillo
armament
armature
armchair
armed
armed forces
armed neutrality
armes parlantes
armet
armful
armhole
armiger
armilla
armillary
armillary sphere
arming
armipotent
armistice
armlet
armoire
armor
armor plate
armored
armored cable
armored car
armorer
armorial
armorial bearings
armory
armour
armoured
armourer
armoury
armpit
armrest
arms
arms race
armure
army
army ant
army corps
army group
armyworm
arnica
aroid
aroma
aromatic
aromaticity
aromatize
arose
around
arouse
arpeggio
arpent
arquebus
arr.
arack
arraign
arraignment
arrange
arrangement
arrant
arras
array
arrear
arrearage
arrears
arrest
arrester
arresting
arresting gear
arrestment
arrrhythmia
arris
arrival
arrive
artesian well
artful
arthralgia
arthritis
arthro-
arthromere
arthropod
arthrospore
artichoke
article
article of faith
articular
articulate
articulation
articulator
articulatory phonetics
artifact
artifice
artificer
artificial
artificial horizon
artificial insemination
artificial kidney
artificial language
artificial magnet
artificial radioactivity
artificial respiration
artificiality
artillery
artillery plant
artilleryman
artiodactyl
artisan
artist
artiste
artistic
artistry
artless
arts and crafts
artwork
arty
arum
arundinaceous
aruspex
arvo
aryl
arytenoid
as
ashore
ashram
ashtray
ashy
aside
asinine
ask
ask for
askance
askew
asking price
aslan
asleep
aslope
asocial
asomatous
asp
asparagine
asparagus
aspartic acid
aspect
aspect ratio
aspectual
aspen
asper
aspergillosis
aspergillum
aspergillus
asperity
asperse
aspersion
aspersorium
asphalt
asphaltite
asphodel
asphyxia
asphyxiant
asphyxiate
aspic
aspidistra
aspirant
aspirate
aspiration
aspirator
aspire
aspirin
asquint
ass
assagai
assai
assail
assailant
assassin
assassin bug
assassinate
assault
assault and battery
assault boat
assay
assay ton
assegai
assemblage
assemble
assembled
assembler
assembly
assembly line
assemblyman
assent
assentation
asserter
assert
asserted
assertion
assertive
asses' bridge
assess
assessment
assessor
asset
assets
asseverate
asseveration
assibilate
assiduity
assiduous
assign
assignable
assignat
assignment
assignee
assignment
assignor
assimilable
assimilate
assimilation
assimilative
assist
assistance
assistant
assistant professor
assize
assizes
assn.
assoc.
associate
associate professor
association
association football
association of ideas
associationism
associative
assoil
assonance
assort
assorted
assortment
asst.
assuage
assuasive
assume
assumed
assumed bond
assuming
assumpsit
assumption
assumptive
assurance
assure
assured
assurgent
astatic
astatine
aster
astereognosis
asteriated
asterisk
asterism
astern
asternal
asteroid
asthenia
asthenic
asthenopia
asthenosphere
asthma
asthmatic
astigmatic
astigmatism
astigma
astilbe
astir
astomatous
astonied
astonish
astonishing
astonishment
astound
astounding
astr.
astraddle
astragal
astragalus
astrakhan
astral
astral body
astraphobia
astray
astrict
astride
astringent
astronics
astro-
astrobiology
astrodome
astrodynamics
astrogate
astrogation
astrogeology
astrograph
astroid
astrol.
astrolabe
astrology
astromancy
astrometry
astronaut
astronautics
astronavigation
astronomer
astronomical
astronomical clock
astronomical telescope
astronomical unit
astronomical year
astronomy
astrophotography
astrophysics
astrosphere
astute
astylar
asunder
aswarm
asyllabic
asylum
asymmetric
asymmetry
asymptomatic
asymptote
asymptotic
asynchronism
asydeton
at
at-home
at.
at. no.
at. wt.
ataghan
ataman
atareactic
ataraxia
atavism
atavistic
ataxia
ate
atelectasis
atelier
athanasia
athanor
atheism
atheist
atheistic
atheling
athematic
athenaum
atheroma
atherosclerosis
athirst
athlete
athlete's foot
athletic
athletic supporter
athletics
athodyd
athwart
athwartships
atilt
atingle
atipoe
atlantes
atlas
atm.
atman
atmo-
atmolysis
atmometer
atmosphere
atmospheric
atmospheric electricity
atmospheric perspective
atmospheric pressure
atmospherics
atoll
atom
atom bomb
atom smasher
atom-bomb
atomic
atomic age
atomic bomb
atomic clock
atomic cocktail
atomic energy
atomic heat
atomic mass
atomic mass unit
atomic number
atomic pile
atomic power
atomic structure
atomic theory
atomic volume
atomic warfare
atomic warhead
atomic weight
atomicity
atomics
atomism
attic
attire
attired
attitude
attitudinarian
attitudinize
attorn
attorney
attorney general
attorney-at-law
attract
attractant
attraction
attraction sphere
attractive
attrahent
attrib.
attribute
attribution
attributive
attrition
attune
atty.
atween
atwitter
atypical
au contraire
au courant
au fait
au fond
au gratin
au jus
au lait
au naturel
au pair
au revoir
aubade
auberge
aubergine
auburn
auction
auction bridge
auctioneer
aucctorial
aud.
audacious
audacity
audible
audience
audient
audile
audio
audio frequency
audio-
audio-visual
audiogenic
audiology
audiometer
audiophile
audiovisual
audiphone
audit
audition
auditor
auditorium
auditory
auf Wiedersehen
aug.
augend
auger
auger bit
aught
augite
augment
augmentation
augmentative
augmented
augmenter
augur
augury
august
auk
auklet
auld
auld lang syne
aulic
aulos
aunt
auntie
aura
aural
auramine
aurar
aureate
aurelia
aureole
autism
auto
court
auto-
auto.
autobahn
autobiographical
autobiography
autobus
autocade
autocatalysis
autocephalous
autochthon
autochthonous
autoclave
autocorrelation
autocracy
autocrat
autocratic
autodidact
autoerotic
autoeroticism
autoerotism
autogamy
autogenesis
autogenous
autogiro
autograft
autograph
autography
autohypnosis
autoicous
autointoxication
autoionization
auto lithography
autolysin
autolysis
automat
automata
automate
automatic
automatic pilot
automatic pistol
automatic rifle
automatic tracking
automatic transmission
automation
automatism
automatize
automaton
automobile
automobile insurance
automotive
autonomic
autonomic nervous system
autonomous
autonomy
autophyte
autopilot
autoplasty
autopsy
autoradiograph
autorotation
autoroute
autosome
autostability
autostrada
autosuggestion
autotomize
autotomy
autotoxin
autotransformer
autotrophic
autotrick
autotype
autoxidation
autumn
autumn crocus
autummal
autumnal equinox
autunite
aux.
auxesis
auxiliaries
auxiliary
auxiliary language
auxiliary verb
auxin
auxochrome
av.
avadavat
avail
availability
available
avalanche
avant-garde
avarice
avaricious
avast
avatar
avaunt
avdp.
ave
avenge
avens
aventurine
avenue
aver
average
averment
averse
aversion
avert
avg.
avian
aviary
aviate
aviation
aviation badge
aviation cadet
aviation medicine
aviator
aviatrix
aviculture
avid
avidin
avidity
avifauna
avigation
avion
avionics
avirulent
avitaminosis
avn.
avocado
avocation
avocet
avoid
avoidance
avoir.
avoirdupois
avouch
avow
avowal
avowed
avulsion
avuncular
avunculate
aw
await
awake
awaken
awakening
award
aware
awash
away
awe
awe-inspiring
aweather
awed
aweigh
aweless
awesome
awestricken
awful
awfully
awhile
awhirl
awkward
awkward age
awl
awlwort
awn
awning
awoke
awry
ax
ax.
axe
axenic
axes
axial
axial skeleton
axil
axilla
axillary
axinomancy
axiology
axiom
axiomatic
axis
axle
axletree
axolotl
axon
axseed
ay
ayah
aye
aye-aye
ayin
azalea
azan
azedarach
azeotrope
azide
azimuth
azimuth circle
azimuthal equidistant projection
azimuthal projection
azine
azo
azo dye
azo-
azobenzene
azoic
azole
azon bomb
azote
azotemia
azoth
azotic
azotize
azotobacter
azure
azurite
azygous
b
b.f.
b.o.
b.p.
b.s.
baa
baal kore
baba
baba au rhum
babassu
babbitt
babble
babblement
babbler
babbling
babe
babiche
babies'-breath
babirusa
baboon
babu
babul
babushka
baby
baby bond
baby carriage
baby grand
baby spot
baby talk
baby tooth
baby's-breath
baby-blue-eyes
baby-sit
baby-sitter
baccalaureate
baccarat
baccate
bacchanal
bacchanalia
bacchant
bacchius
bacciferous
bacciform
baccivorous
baccy
bach
bachelor
bachelor girl
bachelor's degree
bachelorism
bacillary
bacillus
bacitracin
back
back country
back door
back down
back formation
back matter
back number
back out
back rest
back road
back scratching
back seat
back stairs
back talk
back to back
back up
back-and-forth
back-pedal
back-seat driver
backache
backbencher
backbend
backbite
backblocks
backboard
backbone
backbreaker
backbreaking
backchat
backcourt
backcross
backdate
backdrop
backed
backer
backfield
backfill
backfire
backflow
backgammon
background
backhand
backhanded
backhander
backhouse
backing
backlash
backlog
backpack
backplate
backrest
backsaw
backscratcher
backset
backsheesh
backside
backsight
backslide
backspace
backspin
backstage
backstairs
backstay
backstitch
backstop
backstretch
backstroke
backswept
backsword
backtrack
backup
backup light
backward
backwardation
backwards
backwash
backwater
backwoods
backwoodsman
bacon
bact.
bacteria
bactericide
bacterin
bacteriol.
bacteriology
bacteriolyis
bacteriophage
bacteriostasis
bacteriostat
bacterium
bacteroid
baculiform
bad
bad blood
bad check
bad debt
bad time
bad-mouth
bad-tempered
badderlocks
baddie
bade
baked Alaska
baked beans
bakehouse
baker
baker's dozen
bakery
baking
baking powder
baking soda
baklava
baksheesh
bal
bal.
balalaika
balance
balance lug
balance of payments
balance of power
balance of trade
balance rudder
balance sheet
balance spring
balance wheel
balanced
balancer
balas
balata
balboa
balbriggan
balcony
bald
bald cypress
bald eagle
baldachin
balderdash
baldhead
baldheaded
baldpate
baldric
bale
baleen
baleen whale
balefire
baleful
baler
balk
balky
ball
ball and chain
ball bearing
ball boy
ball cock
ball game
ball lightning
ball mill
ball of fire
ball valve
ball-and-socket joint
ball-peece hammer
ballad
ballad opera
ballad stanza
ballade
balladeer
balladist
balladomonger
balladry
ballast
ballata
ballerina
ballet
ballflower
ballista
ballistic
ballistic galvanometer
ballistic missile
ballistics
ballocks
ballon
ballon d'essai
ballonet
balloon
balloon jib
balloon sail
balloon tire
balloon vine
ballot
ballot box
ballottement
ballplayer
ballroom
ballroom dancing
balls
bally
ballyhoo
ballyrag
balm
balm of Gilead
balmacaan
balmy
balneal
balneology
baloney
balsa
balsam
balsam apple
balsam fir
balsam poplar
balsam spruce
balsamic
balsamiferous
balsaminaceous
baluster
balustrade
bambino
bamboo
bamboo curtain
bamboozle
ban
banal
banana
banana oil
banana republic
banana split
bananas
banausic
banc
band
band saw
band shell
band spectrum
band-pass filter
bandage
bandanna
bandbox
bandeau
banded
banderilla
banderillero
banderole
bandicoot
bandit
banditry
bandmaster
bandog
bandoleer
bandolier
bandoline
bandore
bandsman
bandstand
bandurria
bandwagon
bandwidth
bandy
bandy-legged
bane
baneberry
baneful
bang
bang on
bang-up
bangalore torpedo
banger
bangle
bangtail
bani
banian
banish
banister
banjo
bank
bank acceptance
bank account
bank balance
bank bill
bank check
bank clerk
bank discount
bank examiner
bank holiday
bank indicator
bank loan
bank manager
bank note
bank on
bank rate
bank statement
bank swallow
bankable
bankbook
banker
banker's check
banket
banking
bankroll
bankrupt
bankruptcy
banksia
banlieue
banner
banner cloud
banneret
bannerol
bannock
banns
banquet
banquette
bans
banshee
bant
bantam
bantamweight
banter
banting
bantling
banyan
banzai
banzai attack
baobab
baptism
baptism of fire
baptismal regeneration
baptistery
baptistry
baptize
bar
bar graph
bar line
bar magnet
bar mitzvah
bar mitzvah
bar sinister
bar.
barathea
barb
barbarian
barbaric
barbarism
barbarity
barbarize
barbarous
barbate
barbecue
barbecue sauce
barbed
barbed wire
barbel
barbell
barbellate
barber
barber chair
barber's itch
barberry
barbershop
barbet
barbette
barbicane
barbicel
barbital
barbitone
barbiturate
barbituric acid
barbiturism
barbule
barbwire
barcarole
barchan
bard
barde
bare
bare-handed
bareback
barefaced
barefoot
barehanded
bareheaded
barely
baresark
barfly
bargain
bargain for
bargain-basement
barg
barge
barge couple
barge course
bargeboard
bargello
bargeman
baronial
barony
baroque
baroque organ
baroscope
barouche
barque
barquentine
barrack
barracks
barracks bag
barracoon
barracuda
barrage
barrage balloon
barramunda
barranca
barrator
barratry
barre
barred
barrel
barrel chair
barrel organ
barrel roll
barrel vault
barrel-chested
barrelhouse
barren
barrens
barret
barrette
barretter
barricade
barrier
barrier reef
barring
barrio
barrister
barroom
barrow
bartender
barter
bartizan
barton
barye
baryon
barya
battle fatigue
battle group
battle lantern
battle line
battle royal
battle-ax
battled
battledore
battlefield
battlement
battleplane
battleship
battologize
battology
battue
batty
batwing
bauble
baud
baudekin
baulk
bauxite
bavardage
bawbee
bawcock
bawd
bawdry
bawdy
bawdyhouse
bawl
bawl out
bay
bay leaf
bay lynx
bay oil
bay rum
bay tree
bay window
bayadere
bayard
bayberry
bayonet
bayou
baywood
bazaar
bazooka
bbl.
bld.
bd. ft.
bdellium
bdl.
be
be-
be-all and end-all
beach
beach ball
beach buggy
beach flea
beach grass
beach plum
beach umbrella
beach wagon
beachcomber
beachhead
beacon
bead
bead-ruby
beaded
beading
beadle
beadledom
beadroll
beadsman
beady
beagle
beak
beaker
beam
beam antenna
beam compass
beam wind
beam-ends
beam-power tube
beaming
beamy
bean
bean caper
bean sprout
bean tree
beanery
beanfeast
beanie
beano
beanpole
beanstalk
bear
bear down
bear garden
bear hug
bear off
bear on
bear out
bear up
bear with
bear's-ear
bear's-foot
bearable
bearberry
bearcat
beard
bearded
bearded darnel
bearded lizard
bearded tit
bearded vulture
beardless
bearer
bearing
bearing plate
bearing rein
bearish
bearskin
bearwood
beast
beast of burden
beastings
beastly
beat
beat down
beat up
beat-up
beaten
beater
beatific
beatification
beatify
beating
beatitude
beatnik
beau
beau geste
beau ideal
beau monde
beaut
bedesman
bedevil
bedew
bedfast
bedfellow
bedight
bedim
bedizen
bedlam
bedlamite
bedmate
bedpan
bedplate
bedpost
bedrabble
bedraggle
bedraggled
bedrail
bedridden
bedrock
bedroll
bedroom
bedside
bedsore
bedspread
bedspring
bedstead
bedstraw
bedtime
bedtime story
bedwarmer
bee
bee beetle
bee fly
bee glue
bee killer
bee moth
bee plant
bee tree
bee-eater
beebread
beech
beech fern
beechnut
beef
beef cattle
beef extract
beef tea
beef-witted
beefburger
beefcake
beefeater
beefsteak
beefwood
beefy
beehive
beekeeper
beekeeping
beeline
been
beep
beer
beer and skittles
beer garden
beer pump
beery
beestings
beeswax
beeswing
beet
beet sugar
beetle
beetle-browed
beetroot
bees
beezes
beech
befall
befit
befitting
befog
befool
before
beforehand
beforetime
befoul
befriend
befuddle
beg
beg off
began
begat
beget
beggar
beggar’s-lice
beggarly
beggarweed
beggary
begin
beginner
beginning
begird
begone
begonia
begorra
begot
begotten
begrime
begudge
beguile
beguine
begum
begun
behalf
behave
behavior
behavior pattern
behavioral science
behaviorism
behead
beheld
behemoth
behest
behind
behindhand
behold
beholden
behoof
behoove
beige
being
bejewel
bel
bel canto
bel-esprit
belabor
belated
belaud
belay
belaying pin
belch
beldam
beleaguer
belemnite
belfry
belga
belie
belief
believe
belike
belittle
bell
bell buoy
bell glass
bell heather
bell jar
bell metal
bell pepper
bell tent
bell-bottoms
bell-ringer
belladonna
belladonna lily
bellarmine
bellbird
bellboy
belle
belles lettres
belles-lettres
belletrist
bellflower
bellhop
bellicose
bellied
belligerence
belligerency
belligerent
bellman
bellow
bellows
bellows fish
bells of Ireland
bellwether
bellwort
belly
belly dance
belly flop
belly landing
belly laugh
bellyache
bellyband
bellybutton
bellyful
belomancy  
belong  
belonging  
belongings  
beloved  
below  
belt  
belted  
belting  
beluga  
belvedere  
bema  
bemean  
bemire  
bemooan  
bemock  
bemuse  
bemused  
ben  
ben trovato  
bename  
bench  
bench mark  
bench warrant  
bencer  
bend  
bend sinister  
bender  
bendwise  
bendy  
beneath  
benedicite  
benedict  
benediction  
benefaction  
benefactor  
benefactress  
benefic  
benefice  
beneficence  
beneficent  
beneficial  
beneficiary  
benefit  
benefit of clergy  
benempt  
benevolence  
benevolent
bengaline
benighted
benign
benignant
benignity
benison
benjamin
benne
bennet
benny
bent
bent grass
benthos
bentonite
bentwood
benumb
benzaldehyde
benzene
benzene hexachloride
benzene ring
benzidine
benzine
benzo-
benzoate
benzoate of soda
benzocaine
benzofuran
benzoic
benzoic acid
benzoin
benzol
benzophenone
benzoyl
benzoyl peroxide
benzyl
bequeath
bequest
berate
berberidaceous
berberine
berceuse
bereave
bereft
beret
berg
berg wind
bergamot
bergschrund
bevy
bewail
beware
bewhiskered
bewilder
bewilderment
bewitch
bewray
bey
beyond
bezant
bezel
bezique
bezoar
bezonian
bhakti
bhang
bharal
bi-
bialy
biannual
biannulate
bias
biased
biathlon
biauriculate
biaxial
bib
bib and tucker
bibb
bibber
bibcock
bibelot
bibl.
biblio-
biblioclast
bibiofilm
bibliog.
bibliogony
bibliographer
bibliography
bibliolatry
bibiology
bibliomancy
bibliomania
biblioegy
bibliophage
bibliophile
bibliopole
bibliotaph
bibliotheca
bibliotherapy
bibulous
bicameral
bicapsular
bicarb
bicarbonate
bicarbonate of soda
bice
bicentenary
bicentennial
bicephalous
biceps
bichloride
bichloride of mercury
bichromate
bicipital
bicker
bickering
bicollateral
bicolor
biconcave
biconvex
bicorn
bicuspid
bicycle
bicycle pump
bicycle race
bicyclic
bid
bid price
bid up
bidarka
biddable
bidden
bidding
bidding prayer
biddy
bide
bidentate
bidet
bield
biennial
bier
biestings
bifacial
bigwig
bijection
bijou
bijouterie
bijugate
bike
bikini
bilabial
bilabiate
bilander
bilateral
bilateral symmetry
bilberry
bilbo
bile
bilection
bilestone
bilge
bilge keel
bilharziasis
biliary
biliary calculus
bilinear
bilingual
bilious
bilk
bill
bill of attainder
bill of exchange
bill of fare
bill of health
bill of indictment
bill of lading
bill of particulars
bill of sale
billabong
billboard
billbug
billet
billet-doux
billfish
billfold
billhead
billhook
billiard
billiard ball
billiard parlor
billiard table
billiards
billing
billingsgate
billion
billionaire
billon
billow
billow
billposter
billy
billy club
billy goat
billycock
bilobate
bilocular
biltong
bimah
bimanous
bimbo
bimestrial
bimetallic
bimettalism
bimolecular
bimonthly
bin
bin-
binal
binary
binary code
binary digit
binary fission
binary form
binary star
binary system
binate
binaural
bind
bind over
binder
bindery
binding
binding energy
bindle
bindweed
bine
binge
binghi
bingle
biopsy
bioscope
bioscopy
biosphere
biostatics
biosynthesis
biota
biotechnology
biotic
biotin
biotope
biotype
bipack
biparietal
biparous
bipartisan
bipartite
biparty
biped
bipetalous
biphenyl
bipinnate
biplane
bipod
bipolar
bipropellant
biquadrat
biquadratic
biquarterly
biracial
biradial
biramous
birch
birch beer
bird
bird call
bird cherry
bird dog
bird of paradise
bird of passage
bird of prey
bird pepper
bird shot
bird's-eye
bird's-foot
bird's-foot trefoil
bird's-nest fungus
bird-dog
bird-watcher
birdbath
birdcage
birdhouse
birdie
birdlike
birdlime
birdman
birdseed
birefringence
bireme
biretta
birl
burr
birth
birth certificate
birth control
birth rate
birthday
birthday suit
birthmark
birthplace
birthright
birthroot
birthstone
birthwort
bis
biscuit
bise
bisect
bisector
bisectrix
biserrate
bisexual
bishop
bishop's-cap
bishopsric
bisk
bismuth
bismuthic
bismuthinite
bismuthous
bison
bisque
bissextile
bister
bistort
bistoury
bistre
bistro
bisulcate
bisulfate
bit
bit part
bitartrate
bitch
bitchy
bite
biting
biting midge
bitstock
bitt
bitten
bitter
bitter apple
bitter end
bitter orange
bitter principle
bitterling
bittern
bitternut
bitterroot
bitters
bittersweet
bitterweed
bitty
bitumen
bituminize
bituminous
bituminous coal
bivalent
bivalve
bivouac
biweekly
biyearly
biz
bizarre
bk.
bkey.
bkg.
bks.
bl.
blab
blabber
blabbermouth
black
black and white
black art
black bass
black bear
black belt
black bile
black bindweed
black body
black book
black bottom
black box
black bread
black buck
black diamond
black eye
black flag
black fly
black fox
black frost
black gang
black grouse
black guillemot
black hole
black horehound
black knot
black lead
black letter
black light
black magic
black mark
black market
black marketeer
black measles
black mustard
black nightshade
black opal
black pepper
black powder
black power
black pudding
black quarter
black rat
black rot
black rust
black sea bass
black sheep
black spot
black spruce
black tea
black tie
black velvet
black vomit
black walnut
black whale
black widow
black-and-blue
black-and-white
black-backed gull
black-eyed Susan
black-eyed pea
black-market
black-marketeer
blackamoor
blackball
blackberry
blackbird
blackboard
blackcap
blackcock
blackdamp
blacken
blackface
blackfellow
blackfish
blackguard
blackguardly
blackhead
blackheart
blacking
blacksnake
blackstrap molasses
blacksmith
blackthorn
blacktop
blackwater fever
bladder
bladder campion
bladder ketmia
bladder worm
bladdernose
bladdernut
bladderwort
blade
blaeberry
blague
blah
blain
blamable
blame
blamed
blameful
blameless
blameworthy
blanc fixe
blanch
blancmange
bland
blandish
blandishment
blandishments
blank
blank cartridge
blank check
blank endorsement
blank verse
blank wall
blankbook
blanket
blanket stitch
blanketing
blankety-blank
blankly
blare
blarney
blaspheme
blasphemous
blasphemy
blast
blast furnace
blast lamp
blast off
blast-off
blasted
blastema
blasting
blasto-
blastocoel
blastocyst
blastoderm
blastogenesis
blastomere
blastopore
blastosphere
blastula
blat
blatant
blate
blather
blatherskite
blaubok
blaze
blazer
blazing star
blazon
blazonry
bldg.
bleach
bleacher
bleachers
bleaching powder
bleak
blear
blear-eyed
bleary
bleary-eyed
bleat
bleb
bleed
bleeder
bleeder’s disease
bleeding
bleeding heart
blemish
blench
blend
blende
blended whiskey
blender
blennioid
blenny
blent
blepharitis
blesbok
bless
blessed
blessing
blest
blether
blew
blight
blighter
blimey
blimp
blind
blind alley
blind date
blind gut
blind pig
blind snake
blind spot
blind staggers
blind tiger
blindage
blinders
blindfish
blindfold
blinding
blindly
blindman's buff
blindstory
blindworm
blink
blinker
blinkers
blinking
blintz
blintze
blip
bliss
blissful
blister
blister beetle
blister copper
blister rust
blistery
blithe
blither
blithering
blithesome
blitz
blitzkrieg
blood relation
blood sausage
blood serum
blood sport
blood test
blood transfusion
blood type
blood vessel
blood-and-thunder
blood-red
bloodcurdling
blooded
bloodfin
bloodhound
bloodless
bloodletting
bloodline
bloodmobile
bloodroot
bloodshed
bloodshot
bloodstain
bloodstained
bloodstock
bloodstone
bloodstream
bloodsucker
bloodthirsty
bloody
bloody flux
bloody shirt
bloody-minded
bloom
bloomer
bloomers
bloomery
blooming
bloomy
blooper
blossom
blot
blotch
blotchy
blotter
blotting paper
blotto
blouse
blouson
blow
blow off
blow out
blow over
blow up
blow-by-blow
blower
blowfish
blowfly
blowgun
blowhard
blowhole
blowing
blown
blowout
blowpipe
blowsy
blowtorch
blowtube
blowup
blowy
blowzed
blowzy
blub
blubber
blubberhead
blubbery
blucher
bludge
bludgeon
blue
blue baby
blue blood
blue book
blue cheese
blue chip
blue crab
blue devils
blue fox
blue grouse
blue gum
blue jay
blue jeans
blue laws
blue mold
blue note
blue ointment
blue peter
blue point
blue racer
blue ribbon
blue shark
blue spruce
blue vitriol
blue whale
blue-collar
blue-eyed Mary
blue-eyed grass
blue-green
blue-green algae
blue-pencil
blue-ribbon jury
blue-sky law
bluebell
blueberry
bluebill
bluebird
bluebonnet
bluebottle
bluecoat
bluefish
bluegill
bluegrass
blueing
bluejacket
blueness
bluenose
bluepoint
blueprint
blues
bluestocking
bluestone
bluet
bluetongue
blueweed
bluey
bluff
bluing
blurish
blunder
blunderbuss
blunge
blunger
blunt
blur
blurb
bobbin lace
bobbinet
bobble
bobby
bobby pin
bobbysocks
bobbysoxer
bobcat
bobolink
bobsled
bobsledding
bobsleigh
bobstay
bobwhite
bocage
boccie
bock beer
bod
bode
bodega
bodgie
bodice
bodiless
bodily
boding
bodkin
body
body blow
body cavity
body corporate
body language
body politic
body snatcher
body stocking
bodycheck
bodyguard
bodywork
boffin
bog
bog asphodel
bog down
bog oak
bogbean
bogey
bogeyman
boggart
boggle
bogie
bombacaceous
bombard
bombardier
bombardon
bombast
bombastic
bombazine
bombe
bomber
bombproof
bombshell
bomb sights
bombycid
bon mot
bon ton
bon vivant
bon voyage
bona fide
bona fides
bonanza
bonbon
bond
bond paper
bondage
bonded
bonded warehouse
bondholder
bondmaid
bondman
bondsman
bondstone
bondswoman
bondwoman
bone
bone ash
bone china
bone meal
bone of contention
bone oil
bone-dry
boneblack
bonefish
bonehead
boner
boneset
bonesetter
boneyard
bonfire
bongo
bonhomie
bonito
bonkers
bonne
bonne bouche
bonne foi
bonnet
bonnet monkey
bonnet rouge
bonny
bonynclabber
bonsai
bonspiel
bontebok
bonus
bony
bony labyrinth
bonze
bonzer
boo
boo-boo
boob
booby
booby hatch
booby prize
booby trap
boodle
boogeyman
boogie
boogie-woogie
boohoo
book
book club
book end
book jacket
book learning
book of account
book review
book scorpion
book value
bookbinder
bookbindery
bookbinding
bookcase
bookcraft
bookie
booking
booking office
bookish
bookkeeper
bookkeeping
booklet
booklover
bookmaker
bookman
bookmark
bookmobile
bookplate
bookrack
bookrest
bookseller
bookshelf
bookstack
bookstall
bookstand
bookstore
bookworm
boom
boom shot
boom town
boomer
boomerang
boomkin
boon
boondocks
boondoggle
boong
boor
boorish
boost
booster
booster shot
boot
boot tree
bootblack
booted
bootee
bootery
booth
bootie
bootjack
bootlace
bootleg
bootless
bootlick
boots
boots and saddles
bootstrap
booty
booze
boozer
boozy
bop
bor.
bora
boracic
boracite
borage
boragineous
borak
borate
borax
borborygmus
bordello
border
border line
bordereau
borderer
borderland
borderline
bordure
bore
boreal
borecole
boredom
borehole
borer
boresome
boric
boric acid
boride
boring
born
borne
borneol
bornite
boron
boron carbide
borosilicate
borough
borough-English
borrow
borrowing
bottle up
bottleneck
bottom
bottom drawer
bottomless
bottommost
bottomry
bottoms up!
botulin
botulinus
botulism
boudoir
bouffant
bouffe
bough
boughpot
bought
boughten
bougie
bouillabaisse
bouilli
bouillon
boulder
boulder clay
boule
boulevard
boulevardier
bouleversement
bounce
bounce back
bouncer
bouncing
bouncing Bet
bouncy
bound
bound form
boundary
boundary condition
boundary layer
boundary line
boundary rider
bounded
bounden
bounder
boundless
bounds
bounteous
bountiful
bounty
bouquet
bouquet garni
bourbon
bourdon
bourg
bourgeois
bourgeoisie
bourgeon
bourn
bourse
bouse
boustrophedon
bout
boutique
boutonniere
bovid
bovine
bow
bow compass
bow out
bow saw
bow tie
bow window
bowdlerize
bowel
bowel movement
bower
bowerbird
bowery
bowfin
bowhead
bowie knife
bowing
bowknot
bowl
bowl over
bowlder
bowleg
bowler
bowline
bowling
bowling alley
bowling crease
bowling green
bowls
bowman
bowse
bowshot
bowspit
bowstring
bowstring hemp
bowyer
box
box calf
box camera
box canyon
box coat
box elder
box girder
box kite
box office
box pleat
box seat
box spring
box turtle
box wrench
boxberry
boxboard
boxcar
boxer
boxfish
boxhaul
boxing
boxing glove
boxing ring
boxthorn
boxwood
boy
boy scout
boyar
boycott
boyfriend
boyhood
boyish
boyla
boysenberry
bozo
bp.
br'er
br.
bra
brabble
brace
brace and bit
bracelet
bracer
braces
brach
brachial
brachiate
brachio-
brachiopod
brachium
brachy-
brachycephalic
brachylogy
brachypterous
brachyuran
bracing
bracken
bracket
bracketing
brackish
bract
bracteate
bracteole
brad
bradawl
brady-
bradycardia
bradytelic
brae
brag
braggadocio
braggart
braid
braided
braiding
brail
brain
brain coral
brain drain
brain fever
brain stem
brain wave
brainchild
brainless
brainpan
brainsick
brainstorm
brainstorming
brainwash
brainwashing
brassware
brassy
brat
brattice
brattishing
bratwurst
braunite
bravado
brave
bravery
bravissimo
bravo
bravura
braw
brawl
brawn
brawny
braxy
bray
brayer
braze
brazen
brazen-faced
brazier
brazil
brazilein
brazilin
breach
breach of promise
breach of trust
bread
bread and butter
bread knife
bread mold
bread-and-butter pickle
breadbasket
breadboard
breadfruit
breadnut
breadroot
breadstuff
breadth
breadthways
breadwinner
break
break and entry
break down
break in
break into
break of day
break out
break through
break up
breakable
breakage
breakaway
breakbone fever
breakdown
breaker
breakfast
breakfast food
breakfront
breaking
breaking and entering
breakneck
breakout
breakthrough
breakup
breakwater
bream
breast
breast drill
breast-beating
breast-feed
breastbone
breastpin
breastplate
breaststroke
breastsummer
breastwork
breath
breathe
breathed
breather
breathing
breathing space
breathless
breathtaking
breathy
breccia
brecciate
bred
brede
bree
breech
breech delivery
breechblock
breechcloth
breeches
breeches buoy
breeching
breechloader
breed
breeder
breeder reactor
breeding
breeks
breeze
breeze block
breezeway
breezy
bregma
brei
bremsstrahlung
brent
brethren
breve
brevet
breviary
brevier
brevity
brew
brewage
brewer's yeast
brewery
brewhouse
brewing
brewis
brewmaster
briar
briarroot
briarwood
bribe
bribery
bric-a-brac
brick
brick cheese
brick red
brickbat
brickkiln
bricklayer
bricklaying
brickle
brickwork
bricky
brickyard
bricole
bridal
bridal wreath
bride
bride price
bridegroom
bridesmaid
bridewell
bridge
bridge deck
bridge lamp
bridgeboard
bridgehead
bridgework
bridging
bridle
bridle path
bridlewise
bridoon
brief
briefcase
briefing
briefless
briefs
brier
brierroot
brierwood
brig
brigade
brigadier
brigadier general
brigand
brigandage
brigandine
brigantine
bright
brighten
brightness
brightwork
brill
brilliancy
brilliant
brilliantine
brim
brimful
brimmer
brimstone
brindle
brindled
brine
bring
bring about
bring down
bring forward
bring in
bring off
bring on
bring out
bring over
bring round
bring to
bring up
bringing-up
brink
brinkmanship
briny
brio
brioche
briolette
briony
briquet
briquette
brisance
brise-soleil
brisk
brisket
brisling
bristle
bristletail
bristling
brit
britches
britska
brittle
britzka
broach
broad
broad arrow
broad bean
broad gauge
broad jump
broad jumper
broad seal
brominate
bromine
bromism
bromo-
bromoform
bronchi
bronchia
bronchial
bronchial pneumonia
bronchial tube
bronchiectasis
bronchiole
bronchitis
broncho-ronchopneumonia
bronchoscope
bronchus
bronco
broncobuster
bronze
brooch
brood
brooder
broody
brook
brook trout
brookite
brooklet
brooklime
brookweed
broom
broomcorn
broomrape
broomstick
bros.
brose
broth
brothel
brother
brother-in-law
brotherhood
brotherly
brougham
brought
brouhaha
brow
browband
browbeat
brown
brown algae
brown bear
brown belt
brown bread
brown coal
brown rat
brown rice
brown rot
brown sauce
brown study
brown sugar
brown thrasher
brown trout
brown-nose
brown-tail moth
browned-off
brownie
browning
brownout
brownstone
browse
brucellosis
brucine
brucite
bruin
bruise
bruiser
bruit
brumal
brumby
brume
brunch
brunch coat
brunet
brunette
brunt
brush
brush aside
brush discharge
brush off
brush turkey
brush up
brush-off
brushwood
brushwork
brusque
brusquerie
bugger
buggery
buggy
bughouse
bugle
bugleweed
bugloss
bugs
buhl
buhr
buhrstone
build
build up
builder
builder's knot
building
building line
built
built-in
built-up
bul.
bulb
bulbar
bulbiferous
bulbil
bulbous
bulbul
bulge
bulimia
bulk
bulk modulus
bulkhead
bulky
bull
bull fiddle
bull mastiff
bull nose
bull session
bull snake
bull terrier
bull tongue
bull's-eye
bull-necked
bull-roarer
bull.
bulla
bullace
bullate
bun
bunch
bunch grass
bunch light
bunchy
bunco
buncombe
bund
bundle
bundle of isoglosses
bundle up
bung
bungalow
bunghole
bungle
bunion
bunk
bunk bed
bunker
bunkhouse
bunkmate
bunko
bunkum
bunny
bunny hug
bunt
bunting
buntline
bunya-bunya
bunyip
buoy
buoyage
buoyancy
buoyant
buprestid
bur
bur marigold
bur oak
bur reed
buran
burble
burbot
burden
burden of proof
burdened
burdensome
burdock
bureau
bureaucracy
bureaucrat
bureaucratic
bureaucratize
burette
burg
burgage
burgee
burgeon
burger
burgess
burgh
burgher
burglar
burglar alarm
burglarious
burglarize
burglary
burgle
burgomaster
burgonet
burgoo
burgrave
burial
burial ground
burial mound
burier
burin
burka
burke
burl
burlap
burlesque
burletta
burley
burly
burn
burn in
burn off
burn out
burned
burned out
burned-out
burner
burnet
burning
burning bush
burning glass
burnish
burnisher
burnoose
burnout
burnsides
burnt
burnt almond
burnt offering
burnt sienna
burnt umber
burp
burp gun
burr
burro
burrow
burrstone
burry
bursa
bursar
bursarial
bursary
burse
burseraceous
bursiform
bursitis
burst
burstone
burthen
burton
burweed
bury
burying beetle
burying ground
bus
bus.
busboy
busby
bush
bush house
bush jacket
bush pilot
bush telegraph
bush wren
bushbuck
bushcraft
bushed
bushel
bushelman
bushhammer
bushing
bushman
bushmaster
bushranger
bushtit
bushwa
bushwhack
bushwhacker
bushy
busily
business
business English
business agent
business college
business cycle
business end
business suit
businesslike
businessman
businesswoman
busk
buskin
buskined
busload
busman
busman's holiday
buss
bust
bust-up
bustard
bustee
buster
bustle
busty
busy
busybody
busyness
busywork
but
butacaine
butadiene
butane
butanol
butanone
butch
butcher
butcher knife
butcher paper
butcher shop
butcher's saw
butcher's-broom
butcherbird
butchery
butene
butler
butlery
butt
butt hinge
butt joint
butt plate
butt shaft
butt weld
butte
butter
butter bean
butter muslin
butter up
butter-and-eggs
butterball
butterbur
buttercup
butterfat
butterfingers
butterfish
butterflies
butterfly
butterfly bush
butterfly valve
butterfly weed
buttermilk
butternut
butternut squash
butterscotch
butterwort
buttery
buttock
buttocks
button
button quail
button tree
button up
buttonball
buttonhole
buttonhole stitch
buttonhook
buttons
buttonwood
buttress
butyl
butyl alcohol
butylene
butyrate
butyl alcohol
butyraldehyde
butyrate
butyric acid
butyric acid
buxom
buy
buy in
buy into
buy off
buy out
buy up
buyer
buyers' market
buying power
buzz
buzz bomb
buzz off
buzz saw
buzzard
buzzer
bwana
bx.
by
by and by
by and large
by-
by-and-by
by-bidder
by-blow
by-election
by-line
by-play
by-product
by-your-leave
bye
bye-bye
byelaw
bygone
bylaw
bypass
bypath
cabinet pudding
cabinetmaker
cabinetwork
cable
cable car
cable railway
cable release
cable ship
cable stitch
cablegram
cablet
cableway
cabman
cabob
cabochon
caboodle
caboose
cabotage
cabretta
cabrilla
cabriole
cabriot

cabstand
cacao
cacao butter
cacciatore
cachalot
cache
cache-pot
cachet
cachexia
cachinnate
cachou
cachucha
cacique
cackle
caco-
cacodemon
cacodyl
cacoepy
cacogenics
cacography
cacology
cacомistle
cacophonous
cacophony
cactus
cacuminal
cad
cadastre
cadaver
cadaverine
cadaverous
caddie
caddie cart
cадис
caddis fly
caddish
caddy
cade
cadelle
cadence
cadency
cadency mark
cadent
cadenza
cadet
cadge
cadi
cadmium
cadmium orange
cadmium yellow
cadre
caduceus
caducity
caducous
caecilian
caecum
caeogenesis
caeoma
caesalpiniaceous
caesium
caespite
caesura
cafard
cafeteria
caffeine
cafant
cage
cageling
cagey
cahier
cahoot
caiman
cain
caird
cairn
cairngorm
caisson
caisson disease
caitiff
cajeput
cajole
cajolery
cajuput
cake
cakes and ale
cakewalk
cal.
calabash
calaboose
caladium
calamanco
calamander
calamine
calamint
calamite
calamitous
calamity
calamondin
calamus
calash
calathus
calaverite
calc-
calc-tufa
calcaneus
calcar
calcareous
calcariferous
calceiform
calceolaria
calces
calci-
calcic
calcirole
calcirole

calcirole
calctification
calcirole
calcirole
calcirole
calcirole
calcirole
calcirole
calcirole

calcirole
callisthenics
caloity
callous
callow
calus
calm
calmative
calomel
caloric
calorie
calorific
calorific
 recalorimeter
calotte
 caloyer
calpac
 calque
caltrop
calumet
calumniate
calumniation
 calumnious
 calumni
 calutron
calvaria
calve
calves
 calvities
 calx
 calyces
 calycine
 calycle
 calypso
 calyptra
 calyptrogen
 calyx
 cam
 camail
 camaraderie
 camarilla
 camass
 camber
 cambist
 cambium
 cambogia
 camboose
 cambrel
 cambric
cane
camel
camel's hair
camelback
cameleer
camellia
camelopard
cameo
cameo glass
cameo ware
camera
camera lucida
camera obscura
camera tube
cameral
cameraman
camerlengo
camino real
camion
camisado
camise
camisole
camlet
camomile
camouflage
camp
camp bed
camp chair
camp follower
camp meeting
camp stove
campaign
campaign fund
campaign hat
campanile
campanology
campanula
campanulaceous
campanulate
camper
campestral
campfire
campground
camphene
camphor
camphor ball
camphor ice
camphor tree
camphorate
camphorated oil
campion
campo
campo santo
camporee
campstool
campus
campy
camshaft
can
can buoy
can opener
can't
can.
canaigre
canaille
canakin
canal
canal boat
canal ray
canaliculus
canalize
canard
canary
canary grass
canary seed
canary yellow
canasta
canaster
canc.
cancan
cancel
cancelate
cancellation
cancer
cancer stick
cancroid
candela
candelabra
candelabrum
candent
candescent
candid
candid camera
candidacy
candidate
candied
candle
candleberry
candlefish
candlelight
candlemaker
candlenut
candlepin
candlepower
candlestand
candlestick
candlewick
candlewood
candor
candy
candy store
candy-striped
candytuft
cane
cane sugar
canebrake
canella
canescent
canfield
cangue
canicular
canikin
canine
caning
canister
canker
canker sore
cankerred
cankerous
cankerworm
canna
cannabin
cannabis
canned
cannel coal
canneloni
canner
cannery
cannibal
cannibalism
cannibalize
cannikin
canning
cannon
cantle
canto
canton
cantonment
cantor
cantoris
cantrip
cantus
cantus firmus
canty
canula
canvas
canvasback
canvas
canyon
canza
canzone
canzonet
ccaoutchouc
cap
cap and bells
cap and gown
cap cloud
cap of estate
cap of maintenance
cap rock
cap screw
cap-a-pie
cap.
capability
capable
capacious
capacitance
capacitate
capacitive reactance
capacitor
capacity
caparison
cape
cape gooseberry
capelin
caper
capercaillie
capeskin
capful
capias
capillaceous
capillarity
capillary
capillary tube
capita
capital
capital account
capital expenditure
capital gain
capital gains tax
capital goods
capital levy
capital punishment
capital ship
capital stock
capital surplus
capitalism
capitalist
capitalistic
capitalization
capitalize
capitally
capitate
capitation
capitol
capitular
capitulary
capitulate
capitulation
kapitulum
caplin
capo
capon
caponize
caporal
capote
capparidaceous
capper
capping
cappuccino
capreolate
capriccio
capriccioso
caprice
capricious
caprification
caprifig
caprifoliaceous
caprine
capriole
caproic acid
caps.
capsaicin
capsicum
capsize
capstan
capstan bar
capstan lathe
capstone
capsular
capsulate
capsule
capsulize
captain
captain of industry
captain's chair
captainship
caption
captious
captivate
captive
captive balloon
captivity
captor
capture
capuche
capuchin
caput
capybara
car
car coat
car park
carabao
carabin
carabineer
carabiniere
caracal
caracara
caracole
caracul
carafe
caramel
caramelize
carangid
carapace
carat
caravan
caravansary
carboy
carbuncle
carburet
carburetor
carburize
carbarylamine
carcajou
carcanet
carcass
carcinogen
carcinoma
carcinomatosis
card
card catalog
card index
card punch
card table
card vote
card-carrying
cardamom
cardboard
cardholder
cardiac
cardalgia
cardigan
cardinal
cardinal flower
cardinal number
cardinal points
cardinal virtues
cardinalate
carding
cardio-
cardiogram
cardiograph
cardioid
cardiology
cardiomegaly
cardiovascular
carditis
cardoon
cards
cardsharp
carduaceous
care
careen
career
careerism
careerist
carefree
careful
careless
caress
caressive
caret
caretaker
careworn
carfare
cargo
carhop
caribou
caricature
caries
carillon
carillonneur
carina
carinate
carioca
carie

carious


caritas
cark
carl
carline
carling
carload
carmagnole
carman
carminative
carmine
carnage
carnal
carnal knowledge

carnallite
carnassial
carnation
carnation
carnauba
camelian
carnet
carnify
carnival
carnivore
carnivorous
carnotite
carny
carob
carriage house
carriage trade
carrick bend
carrick bitt
carrier
carrier pigeon
carriole
carrion
carrion crow
carrion flower
carron oil
carronade
carrot
carrot-y
carrousel
carry
carry away
carry back
carry off
carry on
carry out
carry over
carry through
carryall
carrying charge
carrying-on
carse
carsick
cart
cart horse
cartage
carte
carte blanche
carte de visite
carte du jour
cartel
cartelize
cartilage
cartilage bone
cartilaginous
cartload
cartogram
cartography
cartomancy
carton
cartoon
cartouche
cartridge
cartridge belt
cartridge brass
cartridge clip
cartridge paper
cartridge pen
cartulary
cartwheel
caruncle
carve
carve up
carvel
carvel-built
carven
carving
carving knife
caryatid
caryo-
caryophyllaceous
caryopsis
casa
casaba
cascabel
cascade
cascara
cascara sagrada
cascarilla
case
case history
case knife
case law
case shot
casease
caseate
caseation
casebook
casebound
casefy
casein
caseinogen
casemaker
casemate
casement
caseose
caseous
casern
casework
caseworm
cash
cash crop
cash discount
cash in
cash on delivery
cash register
cash-and-carry
cashbook
cashbox
cashew
cashier
cashier's check
cashmere
casing
casino
cask
casket
casque
cassaba
cassareep
cassation
cassava
casserole
cassette
cassia
cassimere
cassino
cassis
cassiterite
cassock
cassoulet
cassowary
cast
cast about
cast down
cast iron
cast steel
cast-iron
cast-off
castanets
castaway
caste
caste mark
castellan
castellany
castellated
castellatus
caster
castigate
casting
casting vote
castle
castle in the air
castled
castoff
castor
castor bean
castor oil
caster-oil plant
ciastrate
ciastration complex
ciastrato
casual
casualty
casualty insurance
casuist
casuistry
casus belli
cat
cat brier
cat burglar
cat nap
cat rig
cat whisker
cat's cradle
cat's-ear
cat's-eye
cat's-foot
cat's-paw
cat's-tail
cat-and-dog
cat-eyed
cat-o'-mountain
cat-o'-nine-tails
cat.
cata-
catabasis
catabolism
catabolite
catacaustic
catachresis
cataclinal
cataclysm
cataclysmic
catacomb
catastrophic
catafalque
catalase
catalectic
catalepsy
catalo
catalog
catalogue
catalpa
catalysis
catalyst
catalyze
catamaran
catamenia
catamite
catamnesis
catamount
cataphoresis
cataphyll
cataplasia
cataplasm
cataplexy
catapult
cataract
catarrh
catarrhine
catastrophe
catastrophism
catatonia
catbird
catboat
catcall
catch
catch basin
catch crop
catch on
catch out
catch phrase
catch up
catch-as-catch-can
catchall
catcher
catchfly
catching
catchment
catchpenny
catchpole
catchup
catchweight
catchword
catchy
cate
catechetical
catechin
catechism
catechist
catechize
catechol
catechu
catechumen
categorical
categorical imperative
categorize
category
catena
catenane
catenary
catenate
catenoid
cater
cater-cornered
cater-cousin
cateran
catercorner
caterer
catering
caterpillar
caterpillar hunter
caterwaul
catfall
catfish
catgut
cath-
catharsis
cathartic
cathead
cathedral
cathepsin
catheter
catheterize
cathexis
cathode
cathode glow
cathode ray
cathode-ray tube
cathodic protection
cathodoluminescence
catholic
catholicity
catholicize
catholicicon
cathouse
cation
catkin
catlike
catling
catmint
catnap
catnip
catoptrics
catsup
cattail
cattalo
cattery
cattish
cattle
cattle egret
cattle plague
cattledeman
cattleya
catty
catty-cornered
catwalk
caucus
cia
cia
cia
cia
ancia
ancia
ancia
ancia
ancia
ancia
caul
cauldron
caulscent
caulicle
cauliflower
cauliflower ear
cauline
caulis
caulk
caus.
causal
causalgia
causality
causation
causative
cause
cauiserie
causeuse
causeway
causé
ciaustic
cauterant
cauterize
cautery
caution
caution money
cautionary
cautious
cavalcade
cavalier
cavalierly
cavalla
cavalry

cavalry twill
cavalryman
cavatina
cave
cave art
cave dweller
cave in
cave-in
caveat
caveat emptor
caveator
cavefish
caveman
cavendish
cavern
cavernous
cavesson
cavetto
caviar
cavicorn
cavie
cavil
cavitation
cavity
cavity resonator
cavo-relievo
cavo-riilievo
cavort
cavy
caw
cay
cayenne
cayenne pepper
cayman
cayuse
cc.
cd
cd.
cease
cease-fire
ceaseless
cecity
cecum
cedar
cedar of Lebanon
cedar waxwing
cede
cedilla
ceiba
ceil
ceilidh
ceiling
ceiling light
ceilometer
celadon
celandine
celebrant
celebrate
celebrated
celebration
celebrity
celeriac
celerity
celery
celery salt
celesta
celestial
celestial equator
celestial globe
celestial guidance
celestial horizon
celestial latitude
celestial longitude
celestial mechanics
celestial navigation
celestial pole
celestial sphere
celestite
celiac
celiac
celibacy
celibate
celiotomy
cell
cell division
cell membrane
cell wall
cella
cellar
cellarage
cellarer
cellaret
cellist
cello
cellobiose
celloidin
celophane
cellular
cellule
cellulitis
cellulose
 cellulose acetate
 cellulse nitrate
 cellulosic
 cellulous
 celom
 celt
celtuce
 cembalo
 cement
 cementation
 cementite
 cementum
 cemetery
cen.
cenacle
cenesthesia
cenobite
cenogenesis
 cenotaph
 cense
censer
censor
censorious
censorship
censurable
censure
census
cent
cent.
cental
centare
centaur
centaury
centavo
centenarian
centenary
centennial
center
center of buoyancy
center of curvature
center of effort
center of flotation
center of gravity
center of mass
center of percussion
center of pressure
center of symmetry
center punch
centerboard
centering
centerpiece
centesimal
centesimo
centi-
centiare
centigrade
centigram
centiliter
centillion
centime
centimeter
centipede
centipoise
centistere
centner
cento
centra
central
central angle
central bank
central heating
central nervous system
central sulcus
centralism
centrality
centralization
centralize
centre
centreboard
centrepiece
centri-
centric
centrifugal
centrifugal force
centrifugate
centrifuge
centring
centriole
centripetal
centripetal force
centrist
centro-
centrobaric
centroclinal
centroid
centromere
centrosome
centrosphere
centrosymmetric
centrum
centum
centuple
centuplicate
centurial
centurion
century
century plant
ceorl
cephalad
cephalalgia
cephalic
cephalic index
cephalization
cephalo-
cephalochordate
cephalometer
cephalopod
cephalothorax
ceraceous
ceramal
ceramic
ceramics
ceramist
cerargyrite
cerate
cerated
ceratodus
ceratoid
cercaria
cercus
cere
crenal
cerebellum
cerebral
cerebral palsy
cerebrate
cerebration
cerebritis
cerebro-
cerebroside
cerebrospinal
cerebrospinal fluid
cerebrospinal meningitis
cerebrovascular
cerebrum
cerecloth
cerement
ceremonial
ceremonious
ceremony
ceresin
cereus
ceria
ceric
cerise
cerium
cermet
cernuous
cero
cerography
ceroplastic
ceroplastics
cerotic acid
cerotype
cerous
cert.
certain
certainly
certainty
certes
certifiable
certificate
certificate of deposit
certificate of incorporation
certificate of origin
certificate of stock
certification
certified
certified check
certified mail
certified milk
certified public accountant
certify
certiorari
certitude
cerulean
cerumen
ceruse
cerussite
cervelat
cervical
cervicitis
cervine
cervix
cesium
cespitose
cess
cessation
cession
cessionary
cesspool
cesta
cestode
cestoid
cestus
cesura
cetacean
cetane
cetane number
ceteris paribus
cetology
cf.
eg.
ch.
cha-cha
chabazite
chacma
chaconne
chad
chaeta
chaetognath
chaetopod
chafe
chafer
chaff
chaffer
chaffinch
chafing dish
chagrin
chain
chain gang
chain letter
chain lightning
chain locker
chain mail
chain reaction
chain reactor
chain rule
chain saw
chain shot
chain stitch
chain store
chain-smoke
chainman
chainplate
chair
chair car
chairborne
chairman
chairmanship
chairwoman
chaise
chaise longue
chalaza
chalcanthite
chalcedony
chalco-
chalcocite
chalcopyraphy
chalcopyrite
chaldron
chalet
chalice
chalk
chalk out
chalk talk
chalk up
chalkboard
chalkstone
chalky
challah
challenge
challenging
challis
chalane
chalutz
chalybeate
chalybite
cham
chamade
chamber
chamber concert
chamber music
chamber of commerce
chamber orchestra
chamber pot
chambered nautilus
chamberlain
chambermaid
chambers
chambray
chameleon
chamfer
chamfer bit
chamfron
chammy
chamois
chamomile
champ
champac
champaca oil
champagne
champaign
champerty
champignon
champion
championship
chance
chance-medley
chancel
chancellery
chancellor
chancellorship
chancery
chancre
chancroid
chancy
chandelier
chandelle
chandler
chandlery
change
change of life
change of venue
change ringing
change-up
changeable
changeful
changelessness
changeling
changeover
changing bag
channel
channel iron
channelize
chanson
chanson de geste
chant
chanter
chanterelle
chanteuse
chantey
chanticleer
chantress
chantry
chanty
chaos
chaotic
chap
chap.
chaparajos
chaparral
chaparral pea
chapatti
chapbook
chape
chapeau
chapeau bras
chapel
chapel of ease
chaperon
chaperone
chapfallen
chapiter
chaplain
chaplet
chapman
chappie
chaps
chapter
chaqueta
char
charabanc
character
character actor
character sketch
character witness
characteristic
characteristically
characterization
characterize
characterery
charade
charades
charcoal
charcuterie
chard
chare
charge
charge account
charge nurse
charge of quarters
chargeable
charged
charger
charily
chariness
chariot
charioteer
charisma
charismatic
charitable
charity
charivari
charkha
charlady
charlatan
charlatanism
chattel mortgage
chatter
chatter mark
chatterbox
chatterer
chatty
chaudfroid
chauffer
chauffeur
chaulmoogra
chaunt
chausses
chaussure
chauvinism
chaw
chayote
chazan
cheap
cheap-jack
cheapen
cheapskate
cheat
cheater
check
check in
check list
check out
check valve
checkbook
checked
checker
checkerberry
checkerbloom
checkerboard
checkered
checkers
checkerwork
checking account
checklist
checkmate
checkoff
checkpoint
checkrein
checkroom
checkrow
checks and balances
checkup
checky
cheddite
ceder
cheek
cheek pouch
cheekbone
cheekpiece
cheeky
cheep
cheer
cheerful
cheerio
cheerleader
cheerless
cheerly
cheery
cheese
cheeseburger
cheesecake
cheesecloth
cheeseparing
cheesewood
cheesy
cheetah
chef
chef de cuisine
cheiro-
chela
chelate
chelicera
cheliform
cheloid
chelonian
chem-
chem.
chemical
chemical engineering
chemical potential
chemical warfare
chemiluminescence
chemin de fer
chemise
chemisette
chemism
chemisorb
chemisorption
chemist
chemistry
chemmy
chemo-
chemoprophylaxis
chemoreceptor
chemosmosis
chemosphere
chemosynthesis
chemotaxis
chemotherapy
chemotropism
chemurgy
chenille
chenopod
cheongsam
cheque
chequer
chequerboard
chequered
cherimoya
cherish
cheroot
cherry
cherry bomb
cherry laurel
cherry picker
chersonese
chert
cherub
chervil
chervonets
chess
chessboard
chessman
chest
chest of drawers
chest of viols
chest voice
chest-on-chest
chesterfield
chestnut
chesty
chetah
cheval glass
cheval-de-frise
chevalier
chevet
cheviot
chevrette
chevron
chief
chief justice
chief mate
chief of state
chief petty officer
chief warrant officer
chiefly
chieftain
chiffchaff
chiffon
chiffonier
chifforobe
chigetai
chigger
chignon
chigoe
chilblain
child
child psychology
child's play
childbearing
childbed
childbed fever
childbirth
childe
childhood
childish
childlike
children
chile
chili
chili con carne
chili pepper
chili sauce
chiliad
chiliarch
chiliasm
chill
chiller
chilli
chilly
chilopod
chimaera
chimb
chime
chime in
chimera
chimere
chimerical
chimney
chimney corner
chimney swallow
chimney sweep
chimney swift
chimp
chimpanzee
chin
chin-chin
china
china bark
china clay
chinaberry
chinaware
chincapin
chinch
chinch bug
chinchilla
chincly
chine
chinfest
chink
chinkapin
chino
chinoiserie
chinook
chinquapin
chintz
chintzy
chip
chip in
chip log
chip shot
chipboard
chipmunk
chipped beef
chipper
chipping sparrow
chippy
chirk
chirm
chiro-
chirography
chiromancy
chiropodist
chiroprody
chiropractic
chiropractor
chiropteran
cirp
cirpy
cirr
cirrup
cirrupy
cirurgeon
chisell
ciseler
chit
chitarrone
chitchat
chitin
chiton
chitter
chitterlings
chivalric
chivalrous
chivalry
chivaree
chive
chivy
chlamydate
chlamydeous
chlamydospore
chlamys
chlor-
chloral
chloral hydrate
chloramine
chloramphenicol
chlorate
chlorodane
chlorella
chlorenchyma
chloric
chloric acid
chloride
chloride of lime
chlorinate
chlorine
chlorine dioxide
chlorite
chloro-
chloroacetic acid
chlorobenzene
chloroform
chlorohydrin
chlorophyll
chloropicrin
chloroplast
chloroprene
chlorosis
chlorothiazide
chlorous
chlorous acid
chlorpromazine
chlorotetracycline
chm.
choanocyte
chock
chock-a-block
chock-full
chocolate
choice
choir
choir loft
choir school
choirboy
choirmaster
choke
choke coil
choke up
choke-full
chokeberry
chokebore
chokecherry
chokedamp
choker
choking
cholie-
cholecalciferol
cholecyst
cholecystectomy
cholecystitis
cholecystotomy
cholent
choler
cholera
cholera morbus
choleric
cholesterol
choli
cholic acid
choline
choroiditis
chortle
chorus
chorus boy
chorus girl
chose
chosen
chosen people
chou
chough
chow
chow chow
chow mein
chow-chow
chowder
chrestomathy
chrism
chrismatory
chrisom
christcross
christcross-row
christen
christening
chroma
chromate
chromatic
chromatic aberration
chromatic scale
chromaticity
chromaticity diagram
chromaticness
chromatics
chromatid
chromatin
chromatism
chromato-
chromatogram
chromatograph
chromatography
chromatology
chromatolysis
chromatophore
chrome
chrome alum
chrome green
chrome red
chrome steel
chrome yellow
chronic
chronic acid
chrominance
chromite
chromium
chromium steel
chromo
chromo-
chromogen
chromogenic
chromolithograph
chromolithography
chromomere
chromonema
chromophore
chromoplast
chromoprotein
chromosome
chromosome number
chromosphere
chromous
chromyl
chron.
chronaxie
chronic
chronic alcoholism
chronicle
chronicle play
chrono-
chronogram
chronograph
chronological
chronologist
chronology
chronometer
chronometry
chronon
chronophere
chronoscope
chrysalid
chrysalis
chrysanthemum
chrysarobin
chryselephantine
chryso-
chrysoberyl
chrysolite
chrysoprase
cinder
cinder block
cinder track
cine-
cineaste
cinema
cinematograph
cinematography
cineraria
cinerarium
cinerary
cinerator
cinereous
cingulum
cinnabar
cinnamic acid
cinnamon
cinnamon bear
cinnamon stone
cinquain
cinque
cinquecento
cinquefoil
cipher
cipolin
cir.
circa
circadian
circinate
circle
circlet
circuit
circuit binding
circuit breaker
circuit judge
circuit rider
circuitous
circuitry
circuity
circular
circular function
circular measure
circular mil
circular polarization
circular saw
circular triangle
circularize
circulate
circulating capital
circulating decimal
circulating library
circulating medium
circulation
circum-
circumambient
circumambulate
circumbendibus
circumcise
circumcision
circumference
circumferential
circumflex
circumfluent
circumfluous
circumfuse
circumgyration
circumjacent
circumlocution
circumlunar
circumnavigate
circumnuate
circumpolar
circumrotate
circumsicissile
circumscribe
circumscription
circumsolar
circumspect
circumspection
circumstance
circumstantial
circumstantial evidence
circumstantiality
circumstantiate
circumvallate
circumvent
circumvolution
circus
cire perdue
cirque
cirrate
cirrhosis
cirro-
cirrocumulus
cirrose
cirrostratus
cirrus
cirsoi
cis-
cisalpine
cisco
cislunar
cismontane
cispadane
cissoid
cist
cistaceous
cistern
cisterna
cit.
citadel
citation
cite
cithara
cither
citified
citify
citizen
citizenry
citizenship
citole
citral
citrange
citrate
citreous
citic
citic acid
citriculture
citrin
citrine
citron
citron wood
citronella
citronellal
citrus
citrus fruit
citern
city
city council
city desk
city editor
city father
city hall
city man
city manager
city planning
city slicker
city-state
cityscape
civ.
civet
civic
civics
civies
civil
civil day
civil death
civil disobedience
civil engineer
civil engineering
civil law
civil liberty
civil list
civil marriage
civil rights
civil servant
civil service
civil war
civilian
civility
civilization
civilize
civilized
civilly
civism
civvies
cl.
clabber
clashan
crack
clad
cladding
cladoceran
cladophyll
claim
claimant
claiming race
clair-obscure
clairaudience
clairvoyance
clairvoyant
clam
clam up
clamant
clamatorial
clambake
clamber
clammy
clamor
clamorous
clamp
clamper
clamshell
clamworm
clan
clandestine
clang
clangor
clank
clannish
clansman
clap
clap on
clapboard
clapper
clapperclaw
claptrap
claque
claqueur
clarabella
clarence
claret
claret cup
clarify
clarinet
clarino
clarion
clarity
clarkia
claro
clarsach
clary
clash
clasp
clasp knife
clasping
class
class consciousness
class struggle
class.
classic
classical
classical conditioning
classical economics
classicism
classicist
classicize
classics
classification
classified
classify
classis
classless
classmate
classroom
classy
clastic
clathrate
clatter
claudicant
claudication
clause
claustral
claustral prior
claustrophobia
clavate
clave
claver
clavicembalo
clavichord
clavicle
clavicorn
clavicytherium
clavier
claviform
clavus
claw
claw bar
claw hammer
claw hatchet
clay
clay mineral
clay pigeon
claybank
claymore
claypan
claytonia
clean
clean hands
clean out
clean up
clean-cut
clean-limbed
clean-shaven
cleaner
cleaning
cleaning woman
cleanly
cleanse
cleanser
cleansing tissue
cleanup
clear
clear away
clear off
clear out
clear up
clear-air turbulence
clear-cut
clear-eyed
clear-sighted
clarity
clearance
clearcole
clearheaded
clearing
clearing house
clearly
clarness
clearstory
clearway
clearwing
cleat
cleavable
cleavage
cleave
cleaver
cleavers
cleek
clef
cleft
cleft palate
cleistogamy
clem
clematis
clemency
clement
clench
cleome
clepe
clepsydra
cleptomania
clerestory
clergy
clergyman
cleric
clerical
clerical collar
clericalism
clericals
clerihew
clerk
clerkly
cleromancy
cleruchy
cleveite
clever
clevis
clew
clew line
click
click beetle
clicker
client
clientage
clientele
cliff
cliff brake
cliff swallow
cliff-hanger
climacteric
climactic
climate
climatology
climax
climb
climb down
climber
climbing fern
climbing irons
clime
clinandrium
clincher
cline
cling
clingfish
clingling vine
clingstone
clingy
clinic
clinical
clinical psychology
clinical thermometer
clinician
clink
clinker
clinker-built
clinkstone
clino-
clinometer
clinquant
clintonia
clip
clip joint
clip-clop
clip-fed
clipboard
clipped
clipper
clippers
clipping
clique
cliquish
clishmaclaver
clitoris
cloaca
cloak
cloak-and-dagger
cloakroom
clobber
cloche
clock
clock golf
clock watcher
clockmaker
clockwise
clockwork
clod
cloddish
clodhopper
clodhopping
clog
clubby
clubfoot
clubhaul
clubhouse
clubman
clubwoman
cluck
clue
cluessential
clumber spaniel
clump
clumsy
clung
clunk
clupeid
clupeoid
cluster
clustered
clutch
clutter
clypeate
clypeus
clyster
cm
cml.
cnemis
cnidoblast
co-
co-ed
co-op
co-opt
co-star
co-worker
cocoauvate
couch
couch box
couch dog
coach horse
coach house
coach screw
coach-and-four
coacher
coachman
couchwhip
couchwork
coact
coaction
coactive
coating
coattail
coauthor
coax
coaxial
coaxial cable
cob
cob money
cobalt
cobalt bloom
cobalt blue
cobalt bomb
cobalt green
cobaltic
cobaltite
cobaltous
cobber
cobble
cobler
cobblestone
cobelligerent
cobia
coble
cobnut
cobra
cobra de capello
coburg
cobweb
cobwebby
coca
cocaine
cocainism
cocainize
cocci
coccid
coccidioidomycosis
coccidiosis
coccus
coccyx
cochineal
cochlea
cochleate
cock
cock of the walk
cock-a-doodle-doo
cock-a-hoop
cock-a-leekie
cock-and-bull story
cock-of-the-rock
cockade
cockalorum
cockatiel
cockatoo
cockatrice
cockboat
cockchafer
cockcrow
cocked hat
cocker
cocker spaniel
cockerel
cock eye
cock eyed
cockfight
cockhorse
cockiness
cockle
cockleboat
cocklebur
cockleshell
cockloft
cockney
cockneyfy
cockneyism
cockpit
cockroach
cockscomb
cockshy
cockspur
cocks sure
cockswain
cocktail
cocktail hour
cocktail lounge
cocktail party
cocktail table
cockup
cocky
coco
cocoa
cocoa bean
cocoa butter
coconut
coconut butter
coconut oil
coconut palm
cocoon
cocotte
cod
cod-liver oil
coda
coddle
code
codeclination
codeine
codex
codfish
codger
codices
codicil
codification
codify
codling
codling moth
codon
codpiece
coeeducation
coefficient
coe-
coeelacanth
coelelenterate
coelelenteron
celiac
celom
celostat
coenesthesia
coenobite
coenocyte
coenosarc
coenurus
coenzyme
coequal
coerce
cocriion
coecrive
coessential
coetaneous
coeternal
coeternity
coeval
coeexecutor
coexist
coeextend
coeextensive
cohort
cohosh
cohone
coif
coiffeur
coiffure
coign
coign of vantage
coil
coil spring
coin
coin box
coin silver
coinage
coincide
coincidence
coincident
coincidental
coincidentally
coconstantaneous
coinsurance
coinsure
coir
coition
coitus
coitus interruptus
coke
coke oven
col
col-
col.
cola
cola nut
colander
colatitude
colcannon
colchicine
colchicum
colcothar
cold
cold chisel
cold comfort
cold cream
cold cuts
cold duck
cold feet
cold frame
cold front
cold light
cold pack
cold rubber
cold shoulder
cold snap
cold sore
cold steel
cold storage
cold sweat
cold turkey
cold war
cold water
cold wave
cold-blooded
cold-hearted
cold-shoulder
cole
colecotomy
colemanite
coleopteran
coleoptile
coleorhiza
coleslaw
coleus
colewort
colic
colicroot
colicweed
coliseum
colitis
coll.
collaborate
collaboration
collaborationist
collaborative
collage
collagen
collapse
collar
collar cell
collarbone
collard
collat.
collate
collateral
collateral trust bond
collation
collative
collop
colloq.
colloquial
colloquialism
colloquium
colloquy
colotype
collude
collusion
collusive
colly
collyrium
collywobbles
colo-
colobus
colocynth
cologarithm
cologne
colon
colonel
colonial
colonialism
colonic
colonist
colonize
colonnade
colony
colophon
colophony
coloquintida
color
color bar
color blindness
color filter
color line
color scheme
color sergeant
color-blind
colorable
colorado
colorant
coloration
coloratura
colorcast
colored
colorfast
colorful
colorific
colorimeter
coloring
coloring book
colorist
colorless
colossal
colosseum
colossus
colostomy
colostrum
colotomy
colour
colourable
colpitis
colporteur
colpotomy
colt
colter
coltish
coltsfoot
colubrid
colubrine
colugo
columbarium
columbary
cumbic
cumbine
cumbite
cumbium
cumbous
columella
columelliform
column
column inch
columnar
columniation
columnist
colure
coly
colza
colza oil
com-
com.
coma
comate
comatose
comatulid
comb
comb jelly
comb.
combat
combat fatigue
combat team
combat zone
combatant
combative
combe
comber
combination
combination lock
combination tone
combinative
combinatorial analysis
combinatorial topology
combine
combined
combined operations
combings
combining form
combo
combust
combustible
combustion
combustion chamber
combustor
comdg.
come
come about
come across
come along
come at
come away
come between
come by
come forward
come in
come into
come of
come off
come out
come over
come round
come through
come to
come up
come upon
come-hither
come-on
comeback
comedian
comedic
comedienne
comedietta
comedo
comedown
comedy
comedy of manners
comely
comer
comestible
comet
comeuppance
comfit
comfort
comfort station
comfortable
comforter
comfrey
comfy
comic
comic book
comic opera
comic relief
comic strip
comical
coming
comitative
comitia
comity
comm.
comma
comma bacillus
comma fault
comma splice
command
command car
command guidance
command module
command paper
command performance
command post
commandant
commandeer
commander
commander in chief
commanding
commanding officer
commandment
commando
comme il faut
commeasure
commenda dell'arte
commemorate
commemoration
commemorative
commence
commencement
commend
commendam
commendation
commendatory
commensal
commensurable
commensurate
comment
commentary
commentate
commentative
commentator
commerce
commercial
commercial art
commercial bank
commercial college
commercial credit
commercial fertilizer
commercial law
commercial paper
commercial pilot
commercial traveler
commercialism
commercialize
commie
comminate
commination
commingle
comminate
comminuted fracture
commiserate
commissar
commissariat
commissary
commission
commission plan
commissionaire
commissioned officer
commissioner
commissure
commit
commitment
committal
committee
committeeman
committeewoman
commix
commixture
commode
commodious
commodity
commodity exchange
commodore
common
common carrier
common chord
common cold
common council
common denominator
common divisor
common fraction
common ground
common knowledge
common law
common logarithm
common man
common measure
common multiple
common noun
common people
common pleas
common prayer
common property
common room
common school
common scold
common sense
common stock
common time
common touch
common year
common-law marriage
commonable
commonage
commonality
commonal	
commoner
commonly
commonplace
commonplace book
commons
commonsense realism
commonweal
commonwealth
commorancy
commorant
commotion
commove
communal
communalism
communalize
commune
communicable
communicant
communicate
communication
communications satellite
communications zone
communicative
communion
communion cloth
communion of saints
communism
communist
communistic
communitarian
community
community chest
community college
community singing
communize
commutable
commutate
commutation
commutation ticket
commutative
commutative law
commutator
commute
commuter
commutual
comose
comp
cmp.
compact
compaction
compagnie
componder
companion
companion ladder
companionable
companionate
companionate marriage
companionship
companionway
company
company officer
company union
compar.
comparable
comparative
comparative government
comparative linguistics
comparative literature
comparative method
comparator
compare
comparison
compartment
compartmentalize
compass
compass card
compass course
compass plant
compass rose
compass saw
compassion
compassionate
compatible
compatriot
comppeer
compel
compellation
compelling
compendious
compendium
compensable
compensate
compensation
compensatory
compete
competence
competency
competent
competition
competitive
competitor
compilation
compile
compiler
complacence
complacency
compliant
complain
complainant
complaint
complaisance
complaisant
complect
complected
complement
complemental
complementary
complementary angle
complementary color
complementary distribution
complete
completion
complex
complex fraction
complex number
complex sentence
complex variable
complexion
complexioned
complexity
compliance
compliancy
compliant
complicity
complicate
complicated
complication
complice
complicity
compliment
complimentary
compline
complot
comply
compo
component
compony
comport
comportment
compos mentis
compose
composed
composer
composing room
composing stick
composite
composite number
composite photograph
composite school
composition
composition of forces
compositor
compossible
compost
composure
compotation
compote
compound
compound engine
compound eye
compound flower
compound fraction
compound fracture
compound interest
compound leaf
compound lens
compound microscope
compound number
compound sentence
compound time
comprador
comprehend
comprehensible
comprehension
comprehensive
comprehensive school
compress
compressed
conceited
conceivable
conceive
concelebrate
concent
concenter
concentrate
concentrated
concentration
concentration camp
concentre
concentric
concept
conceptacle
conception
conceptual
conceptualism
conceptualize
concern
concerned
concerning
concernment
concert
concert grand
concert overture
concert pitch
concertante
concerted
concertgoer
concertina
concertino
concertize
concertmaster
concerto
concerto grosso
concession
concessionaire
concessive
conch
concha
conchie
conchiferous
conchilin
conchoid
conchoidal
conchology
concierge
conciliar
conciliate
conciliator
conciliatory
concinnate
concinnity
concinnous
concise
conciseness
concision
conclave
conclude
conclusion
conclusive
concoct
concoction
concomitance
concomitant
concord
concordance
concordant
concordat
concourse
concrecence
concrete
concrete music
concrete noun
concrete number
concrete poetry
concretion
concretize
concubinage
concubine
concupiscence
concupiscent
concur
concurrence
concurrent
concurrent resolution
concuss
concussion
concussion grenade
condemn
condemnation
condemnatory
condemned cell
condensable
condensate
condensation
condensation trail
condense
condensed
condensed milk
condenser
condescend
condescendence
condescending
condescension
condign
condiment
condition
conditional
conditioned
conditioned response
conditioner
conditioning
condole
condolence
condolent
condom
condominium
condonation
condone
condor
condottiere
condece
conducive
conduct
conductance
conduction
conductive
conductivity
conductor
conduit
conduplicate
condyle
condyloid
condyloma
cone
cone shell
coneflower
coney
conf.
confab
confabulate
confabulation
confect
confection
confectionary
confectioner
confectioners' sugar
confectionery
confederacy
confederate
confederation
confer
conferee
conference
conferral
conferva
confess
confessedly
confession
confessional
confessor
confetti
confidant
confidante
confide
confidence
confidence game
confidence man
confident
confidential
confidential communication
confiding
configuration
configurationism
confine
confined
confinement
confirm
confirmand
confirmation
confirmatory
confirmed
confiscable
confiscate
confiscatory
confiture
conflagrant
conflagration
conflation
conflict
confluence
congressman
congresswoman
congruence
congruency
congruent
congruity
congruous
conic
conic projection
conic section
conics
conidiophore
conidium
conifer
coniferous
coniine
coniology
conium
conj.
conjunctural
conjecture
conjoin
conjoined
conjoint
conjugal
conjugate
conjugated
conjugated protein
conjugation
conjunct
conjunction
conjunctiva
conjunctive
conjunctivitis
conjunction
conjuration
conjure
conjure up
conjurer
conk
conk out
conker
conn
connate
connatural
connect
connected
connecting rod
connection
connective
connective tissue
conning tower
connivance
connive
connivent
connoisseur
connotation
connotative
connote
connubial
conoid
conoscenti
conquer
conqueror
conquest
conquian
conquistador
cons
cons.
consanguineous
consanguinity
conscience
conscience clause
conscience money
conscience-stricken
conscientious
conscientious objector
conscionable
conscious
consciousness
conscript
conscript fathers
conscription
consecrate
consecration
consecution
consecutive
consensual
consensus
consensus gentium
consent
consentaneous
consentient
consequence
consequent
consequential
consequently
conservancy
conservation
conservation of charge
conservation of energy
conservation of mass
conservationist
conservatism
conservative
conservatoire
conservator
conservatory
conserve
consider
considerable
considerate
consideration
considered
considering
consign
consignee
consignment
consignor
consist
consistence
consistency
consistent
consistory
consociate
consol
consolation
consolation prize
consolatory
console
console table
consolidate
consolidated school
consolidation
consols
consolute
consonance
consonant
consonantal
consort
consortium
conspecific
conspectus
conspicuous
conspicuous consumption
conspiracy
conspire
constable
constabulary
constancy
constant
constantan
constellate
constellation
consternate
consternation
constipate
constipation
constituency
constituent
constitute
constitution
constitutional
constitutional monarchy
constitutional psychology
constitutionalism
constitutionality
constitutionally
constitutive
constr.
constrain
constrained
constraint
constrict
constriction
constrictive
constrictor
constringe
constringent
construct
construction
constructionist
constructive
constructivism
construe
consubstantial
consubstantiate
consubstantiation
consuetude
consuetudinary
consul
contemptible
contemptuous
contend
content
contented
contention
contentious
contentment
conterminous
contest
contestant
contestation
context
contextual
contexture
contiguity
contiguous
continence
continent
continental
continental breakfast
continental divide
continental drift
continental shelf
contingence
contingency
contingent
continual
continuously
continuance
continuant
continue
continued fraction
continuity
continuity girl
continuo
continuous
continuous spectrum
continuous waves
continuum
conto
contort
contorted
contortion
contortionist
contortive
contour
contour feather
contour interval
contour line
contour map
contour sheet
contr.
contra
contra-
contraband
contrabandist
contrabass
contrabassoon
contraception
contraceptive
contract
contract bridge
contracted
contractile
contraction
contractive
contractor
contractual
contracture
contradance
contradict
contradiction
contradictory
contradistinction
contradistinguish
contrail
contraindicate
contralto
contraoctave
contrapose
contraposition
contrapositive
contraption
contrapuntal
contrapuntist
contrariety
contrarily
contrarious
contrariwise
contrary
contrast
contrastive
contrasty
contravallation
contravene
contravention
contrayerva
contrecoup
contredanse
contretemps
contrib.
contribute
contribution
contributor
contributory
contributory negligence
contrite
contrition
contrivance
contrive
contrived
control
control account
control board
control center
control chart
control column
control experiment
control grid
control panel
control rod
control room
control stick
control surface
control tower
controller
controversial
controversy
controvert
contumacious
contumacy
contumelious
contumely
contuse
contusion
conundrum
conurbate
conure
convalesce
convalescence
convalescent
convection
convector
convenance
convene
convenience
convenient
convert
conventicle
convention
conventional
conventionalism
conventionality
conventionalize
conventioneer
conventioner
conventual
converge
convergence
convergent
conversable
conversant
conversation
conversation piece
conversational
conversationalist
conversazione
converse
conversion
convert
converted
converter
convertible
convertiplane
convertite
convex
convexity
convexo-concave
convexo-convex
convey
conveyance
conveyancer
conveyancing
conveyor
conveyor belt
convict
conviction
convince
convincing
convivial
convocation
convoke
convolute
convoluted
convolution
convolve
convolvulaceous
convolvulus
convoy
convulsant
convulse
convulsion
convulsive
cony
coo
cooee
cook
cook up
cook-general
cookbook
cooker
cookery
cookhouse
cookie
cooking
cookout
cookshop
cookstove
cooky
cool
coolant
cooler
coolie
cooling-off period
coolish
coolth
coom
coomb
coon
coon's age
cooncan
coonhound
coonskin
coontie
corallite
coralloid
coranto
corban
corbeil
corbel
coricula
corbie
corbie gable
cord
cordage
cordate
corded
cordial
cordiality
cordierite
cordiform
cordillera
cording
cordite
cordless
cordoba
cordon
cordon bleu
cordon sanitaire
cordovan
cords
corduroy
corduroy road
corduroys
cordwain
cordwainer
cordwood
core
corelation
corelative
coreligionist
coremaker
coreopsis
corespondent
corf
corgi
coriaceous
coriander
corium
cork
cork cambium
cork oak
corkage
corkboard
corked
corker
corking
corkscrew
corkwood
corky
corn
cornophyte
cormorant
corn
corn borer
corn bread
corn dodger
corn earworm
corn flour
corn lily
corn marigold
corn meal
corn oil
corn picker
corn pone
corn poppy
corn rose
corn salad
corn shock
corn shuck
corn silk
corn smut
corn snow
corn sugar
corn syrup
corn whiskey
cornaceous
corncob
corncob pipe
corncrib
cornea
corned
cornel
cornelian
cornemuse
corneous
corner
cornered
cornerstone
cornerwise
corps de ballet
corps diplomatique
corpse
corpsman
corpulence
corpulent
corpus
corpus callosum
corpus delicti
corpus juris
corpus luteum
corpus striatum
corpscle
corpuscular theory
corr.
corrade
coral
corrasion
correct
correction
correctitude
corrective
correl.
correlate
correlation
correlation coefficient
correlative
correlative conjunction
correspond
correspondence
correspondence principle
correspondence school
correspondent
corrida
corridor
corrie
corrigendum
corrigible
corrival
corrobortant
corrobore
corroboration
corroboree
corrode
corody
corrosion
corrosive
corrosive sublimate
corrugate
corrugated iron
corrugated paper
corrugation
corrupt
corruptible
corruption
corsage
corsair
corse
corselet
corset
cortege
cortex
cortical
corticale
corticcate
corticco-
corticosteroid
corticosterone
cortisol
cortisone
corundum
coruscate
coruscation
corves
corvette
corvine
corybantic
corydalis
corymb
coryphaeus
coryza
cos
cos lettuce
cosec
cosecant
coseismal
coset
cosh
cosher
cosignatory
cosine
cosmetic
cosmetic surgery
cosmetician
cosmic
cosmic dust
cosmic ray
cosmism
cosmo-
cosmogony
cosmography
cosmology
cosmonaut
cosmonautics
cosmopolis
cosmopolitan
cosmopolite
cosmorama
cosmos
coss
cosset
cost
cost accounting
cost keeper
cost ledger
cost of living
cost sheet
cost-of-living index
cost-plus
costa
costard
costate
costermonger
costive
costly
costmary
costotomy
costrel
costume
costume jewelry
costumer
costumier
cosy
cot
cotangent
cote
cotemporary
cotenant
coterie
coterminal
coth
cothurnus
cotidal
cotillion
cotinga
cotoneaster
cotquean
cotta
cottage
cottage cheese
cottage loaf
cottage piano
cottager
cottar
cotter
cotter pin
cottier
cotton
cotton batting
cotton belt
cotton cake
cotton candy
cotton flannel
cotton gin
cotton grass
cotton mill
cotton picker
cotton stainer
cotton wool
cottonade
cottonmouth
cottonseed
cottonseed meal
cottonseed oil
cottontail
cottonweed
cottonwood
cotony
cottony-cushion scale
cotyledon
coucal
couch
couch grass
couchant
couching
cougar
cough
cough drop
cough up
could
couldn't
couldst
coulee
coulisse
couloir
coulomb
coulometer
couler
coumarin
coumarone
council
council fire
council of state
council of war
council school
council-manager plan
councillor
councilman
councilor
councilwoman
counsel
counsellor
counselor
counselor-at-law
count
count noun
count on
count palatine
countable
countdown
countenance
counter
counter-
counteraccusation
counteract
counterattack
counterattraction
counterbalance
counterblast
counterblow
counterchange
countercharge
countercheck
counterclaim
counterclockwise
current
counterespionage
counterfactual
counterfeit
counterfoil
counterforce
counterglow
counterinsurgency
counterintelligence
counterirritant
counterman
countermand
countermarch
countermark
countermeasure
countermeine
countermove
counteroffensive
counterpane
counterpart
counterplot
counterpoint
counterpoise
counterpoison
counterpressure
counterproductive
counterproof
counterproposal
counterpunch
counterreply
counterrevolution
counterscarp
countershading
countershaft
countersign
countersignature
countersink
counterspy
counterstamp
counterstatement
counterstroke
counterscruit
countertenor
countertype
countervail
counterweigh
counterweight
counterword
counterwork
countess
counting house
countless
countrified
country
country club
country cousin
country dance
country gentleman
country house
country music
country rock
country seat
country store
country-and-western
country-bred
country-dance
country-wide
countryfied
countryman
countryside
countrywoman
county
county commissioner
county court
county palatine
county seat
coup
coup d'oeil
coup de main
coup de plume
coupe
couple
coupler
couplet
coupling
coupon
coupon bond
courage
courageous
courante
coureur de bois
courier
courlan
course
courser
courses
coursing
court
court card
court dress
court hand
court of appeals
court of chancery
court of first instance
court of honor
court of inquiry
court of record
court of wards
court plaster
court tennis
court-martial
courteous
courtesan
courtesy
courtesy title
courthouse
courtier
courtly
courtly love
courtroom
courtship
courtyard
couscous
cousin
cousin-german
couteau
couthie
couture
couturier
couvade
covalence
covariance
cove
coven
covenant
covenantee
covenanter
covenantor
cover
cover charge
cover crop
cover girl
cover point
cover story
cover-up
coverage
coverall
covered
covered wagon
covering
covering letter
coverlet
covered sine
covert
clochet
covert cloth
clochet coat
clocheture
covet
covetous
covey
covin
cow
cow parsnip
cow pony
cow shark
cowage
coward
cowardice
cowardly
cowbane
cowbell
cowberry
cowbind
cowbird
cowboy
cowcatcher
cower
cowfish
cowgirl
cowherb
cowherd
cowhide
cowitch
cowl
cowled
cowlick
cowling
cowman
cowpea
cowpoke
cowpox
cowpuncher
cowrie
cowry
cowshed
cowskin
cowslip
cox
coxa
coxalgia
coxcomb
coxcombr

coxswain
coy
coyote
coyotillo
coypu
coz
coze
cozen
cozenage
cozy
cp.
cpd.
cr.
craal
crab
crab apple
crab grass
crab louse

crabbed
crabber
crabbing
crabby
crabstick
crabwise
crack
crack of dawn
crack of doom
crack the whip
crack up

crack-up
crackbrain
crackbrained
crackdown

cracked

cracker

cracker bonbon
cracker-barrel
crackerjack

cracking

crackle

crackleware

crackling

cracknel

crackpot
crappie
craps
crapshooter
crapulent
crapulous
craquelure
crash
crash boat
crash dive
crash helmet
crash pad
crash-land
crashing
crisis
crass
crassulaceous
cratch
crate
crater
cranch
cravat
crave
craven
craving
crawl
crawfish
crawl
crawler
crawly
crayfish
crayon
craze
crazed
crazy
crazy bone
crazy paving
crazy quilt
crazyweed
creak
creaky
cream
cream cheese
cream of tartar
cream puff
cream sauce
cream soda
cream-colored
creamcups
creamer
creamery
creamy
crease
create
creatine
creatinine
creation
creationism
creative
creative imagination
creativity
creator
creatural
creature
creature comforts
creaturely
credence
credendum
credent
credential
credenza
credibility gap
credible
credit
credit account
credit card
credit insurance
credit life insurance
credit line
credit man
credit rating
credit slip
credit standing
credit union
creditable
creditor
credits
credo
credulity
credulous
creed
creek
creel
creep
creeper
creepie
creeping Jennie
creeping bent grass
creeps
creepy
creese
cremate
cremator
crematorium
crematory
crenate
crenation
crenel
crenelate
crenelation
crenellate
crenulate
crenulation
creodont
creole
creolized
cresol
creosote
creosote bush
crepe
crepe de Chine
crepe hair
crepe paper
crepe rubber
crepitate
crept
crepuscular
crepuscular light
crepuscule
crescendo
crescent
crescentic
cresol
cress
cresset
crest
crestfallen
cresting
cretaceous
cretic
cretin
cretinism
cretonne
crevasse
crevise
crew
crew cut
crew neck
crewel
crewelwork
crib
cribbage
cribbage board
cribbing
cribble
cribirform
cribwork
crick
cricket
cricoid
crier
crim.
crim. con.
crime
crime passionel
criminal
criminal conversation
criminal law
criminal syndicalism
criminality
criminate
criminology
criminator
crimp
crimp
crime
cringle
cringle
crinite
crinkle
crinkleroot
crinkly
crinkum-crankum
crinoid
crinoline
crinose
crinum
criollo
cripple
crippling
crisis
crisis theology
crisp
crispate
crispation
crisper
crispy
crisscross
crissum
crista
cristate
cristobalite
crit.
criterion
critic
critical
critical angle
critical mass
critical philosophy
critical point
critical pressure
critical state
critical temperature
critical volume
criticaster
criticism
criticize
critique
critter
croak
croaker
croaky
crocein
crochet
crochet hook
crocidolite
crock
crocked
crockery
crochet
crocodile
crocodile bird
crocodile tears
crocodilian
crocoite
crocus
croft
crofter
croissant
cross-purpose
cross-question
cross-refer
cross-staff
cross-stitch
crossarm
crossbar
crossbeam
crossbill
crossbones
crossbow
crossbred
crossbreed
crosscurrent
crosscut
crosscut saw
crosse
crossed
crosshatch
crosshead
crossing
crossing over
crossjack
crosslet
crossly
crossness
crossopterygian
crossover
crossover network
crosspatch
crosspiece
crossroad
crossroads
crossruff
crosstie
crossstree
crosswalk
crossway
crossways
crosswind
crosswise
crossword puzzle
crotch
crotchet
crotchety
croton
croton oil
crotonic acid
crouch
croup
croupier
croupous pneumonia
crouton
crow
crow blackbird
crow's-foot
crow's-nest
crowbar
crowberry
crowboot
crowd
crowded
crowfoot
crown
crown cap
crown colony
crown glass
crown graft
crown imperial
crown jewels
crown land
crown lens
crown of thorns
crown post
crown prince
crown princess
crown saw
crown vetch
crown wheel
crowned
crowning
crownpiece
crownwork
croze
crozier
cru
cruces
crucial
cruciate
crucible
crucible steel
crucifer
cruciferous
crucifix
crucifixion
cry out
crybaby
crying
cryotherapy
cryo-
cryobiology
cryogen
cryogenics
cryohydrate
cryolite
cryology
cryometer
cryoscope
cryoscopy
cryostat
cryosurgery
cryotherapy
crypt
cryptanalysis
cryptic
crypto-
cryptoanalysis
cryptoclastic
cryptocrystalline
cryptogam
cryptogenic
cryptogram
cryptograph
cryptography
cryptology
cryptomeria
cryptonym
cryptonymous
cryptozoic
cryptozoite
cryst.
crystal
crystal ball
crystal counter
crystal detector
crystal gazing
crystal lattice
crystal pickup
crystal set
crystal system
crystal violet
crystal vision
crystalline
crystalline lens
crystallite
crystallization
crystallize
crystallo-
crystallography
crystalloid
cs.
csc
csch
c.t.
cetenidium
ctenoid
ctenophore
ctn
ctr.
cts.
cub
cub reporter
cubage
cubature
cubby
cubbyhole
cube
cube root
cubeb
cubic
cubic measure
cubical
cubicle
cubiculum
cubiform
cubism
cubit
cubital
cubitiere
cuboid
cucking stool
cuckold
cuckoo
cuckoo clock
cuckooflower
cuckoopint
cuculiform
cuculate
cucumber
cucumber tree
cucurbit
cultivation
cultivator
cultrate
cultural
cultural anthropology
cultural lag
culture
culture area
culture center
culture complex
culture medium
culture pattern
culture shock
culture trait
culture vulture
cultured
cultured pearl
cultus
culver
culverin
culvert
cum
cum dividend
cum grano salis
cum laude
cumber
cumbersome
cumbrence
cumbrous
cumin
cummerbund
cumquat
cumshaw
cumulate
cumulation
cumulative
cumulative evidence
cumulative voting
cumuliform
cumulonimbus
cumuulostratus
cumulous
cumulus
cunctation
cuneal
cuneate
cuneiform
cunnilingus
curet
curettage
curfew
curia
curie
curio
curiosa
curiosity
curious
curium
curl
curl up
curler
curllew
curlicue
curling
curling iron
curlpaper
curly
curmudgeon
currajong
currant
currency
current
current account
current assets
current density
current expenses
current liabilities
curricile
curriculum
curriculum vitae
currier
curriery
currish
curry
curry powder
curry sauce
currycomb
curse
cursed
cursive
cursor
cursorial
cursory
curst
curt
curtail
customs union
custos
custumal
cut
cut across
cut and thrust
cut down
cut glass
cut in
cut off
cut out
cut up
cut-and-dried
cutanous
cutaway
cutback
cutch
cutcherry
cute
cuticle
cuticula
cutie
cutin
cutinize
cutis
cutis vera
cutlass
cutlass fish
cutler
cutlery
cutlet
cutoff
cutout
cutpurse
cutter
cutthroat
cutthroat trout
cutting
cuttle
cuttlebone
cuttlefish
cutty
cutty stool
cutup
cutwater
cutwork
cutworm
cuvette
cwm
cwt.

cy pres
cyan
cyan-
cyanamide
cyanate
cyaneous
cyanic
cyanic acid
cyanide
cyanide process
cyanine
cyanite
cyano-
cyanocobalamin
cyanogen
cyanohydrin
cyanosis
cyanotype
cythus
cybernetics
cycad
cyclamate
cyclamen
cycle
cyclic
cycling
cyclist
cyclo-
cyclograph
cyclohexane
cyloid
cyclometer
cyclone
cyclone cellar
cyclonite
cycloparaffin
cyclopedia
cyclopentane
cycloplegia
cyclopropane
cyclorama
cyclosis
cyclostome
cyclostyle
cyclothymia
cyclotron
cyder
cygnet
cyl.
cylinder
cylinder head
cylinder press
cylindrical
cylindrical coordinates
cylindroid
cylix
cyma
cymar
cymantium
cymbal
cymbiform
cyme
cymene
cymogene
cymograph
cymoid
cymophane
cymose
cynic
cynical
cynicism
cynosure
cyperaceous
cypher
cypress
cypress vine
cyprinid
cyprinodont
cyprinoid
cypripedium
cypsela
cyst
cystectomy
cysteine
cystic
cystic fibrosis
cysticercoid
cysticercus
cystine
cystitis
cysto-
cystocarp
cystocele
cystoid
cystolith
cystoscope
cystotomy
cytaster
cyto-
cytochemistry
cytochrome
cytogenesis
cytogenetics
cytokinesis
cytologist
cytology
cytolysin
cytolysis
cyton
cytoplasm
cytoplasm
cytosine
cytotaxonomy
czar
czardas
czardom
czarevitch
czarevna
czarina
czarism
czarist
d
d.w.t.
dB
da Vinci
da capo
dab
dab hand
dabber
dabble
dabchick
dabster
dace
dacha
dachshund
dacoit
dacoity
dactyl
dactylic
dactylo-
dactylogram
dactylography
dactyloogy
dad
daddy
daddy-longlegs
dado
daedal
daemon
daft
da
da
dagger
daggerboard
daglock
dago
dagoba
daguerrreotype
dah
dahabeah
dahtia
daily
daily double
daily dozen
daimon
daimyo
daignty
daquiri
daity
daity
daity cattle
daity farm
dairy
daidy
dairy
cattle
daity
dairy
dairy
dairy
dairy
dairy
dairy

dairy

daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
daily
dail
damaging
daman
damar
damascene
damask
damask rose
dame
dame school
dammar
dam
damnible
damnation
damnatory
damed
damnedest
dannify
darning
damoiselle
damp
dampen
damper
damper pedal
dampproof
damsel
damsel
fish
damsel
fly
damson
dance
dance hall
dance of death
dancer
dancette
dandelion
dander
dandify
dandiprat
dandle
dandruff
dandy
dandy fever
dandy roll
dang
danged
danger
dangerous
dangle
dangling participle
danio
dank
danse du ventre
danse macabre
danseur
danseur noble
danseuse
dap
daphne
dapper
dapple
dapple-gray
dappled
darbies
dare
daredevil
daredeviltry
daresay
darg
daric
daring
dariole
dark
dark glasses
dark horse
dark lantern
dark meat
dark star
dark-field microscope
darken
darkish
darkle
darkling
darkness
darkroom
darksome
darky
daring
darn
darmed
damnel
darnier
darning egg
darning needle
dart
dartboard
darter
dash
dashboard
dashed
dasheen
dasher
dashing
dashpot
dastard
dastardly
dasyure
dat.
data
data processing
datary
datcha
date
date line
date palm
date slip
date stamp
date-stamp
dated
dateless
dateline
dative
dato
datolite
datum
datum plane
datura
daub
daube
daubery
daughter
daughter of Eve
daughter-in-law
daughterly
daunt
dauntless
dauphin
dauphine
davenport
davit
daw
dawdle
dawn
day
day bed
day blindness
day coach
dead
dead beat
dead center
dead duck
dead end
dead flat
dead hand
dead heat
dead letter
dead load
dead man's handle
dead march
dead matter
dead point
dead reckoning
dead set
dead time
dead water
dead weight
dead-and-alive
dead-ball line
dead-stick landing
deadbeat
deaden
deadening
deadeye
deadfall
deadhead
deaylight
deadline
deadlock
deadly
deadly nightshade
deadly sins
deapen
deaf
deaf-and-dumb
deaf-and-dumb alphabet
deaf-mute
deafen
deafening
deal
dealate
dealer
dealfish
dealing
dealings
dealt
deaminate
dean
deanery
dear
dearly
dearth
deary
death
deat adder
dearth bell
dearth camas
dearth cell
dearth certificate
dearth chair
dearth cup
dearth duty
dearth house
dearth instinct
dearth knell
dearth mask
dearth rate
dearth rattle
dearth ray
dearth row
dearth sentence
dearth warrant
dearth wish
dearth's-head
dearth's-head moth
dearthbed
dearthblow
dearthday
dearthful
dearthless
dearthlike
dearthly
dearthtrap
dearthwatch
deb
def
defable
defable
defable
defable
defable
defable
defable
debate
debauch
debauched
debauchee
debauchery
debenture
debenture bond
debilitate
deblity
debit
debonair
debouch
debouchment
debrief
debris
dept
debt service
debtor
debug
debunk
debus
debut
debutant
debutante
dec.
deca-
decade
decadence
decadent
decaffeinate
decagon
decagram
decahedron
decal
decalcify
decalcomania
decalascence
decaliter
decalogue
decameter
decamp
decanal
decane
decani
decant
decanter
decapitate
decapod
decarbonate
decarbonize
decarburize
decare
decastere
decastyle
decasyllabic
decasyllable
decathlon
decay
deed.
decese
decesed
decedent
decet
deceitful
decieve
decelerate
deceleron
decemvir
decemvirate
decencies
decency
decennary
decennial
decennium
decent
decentralization
decentralize
decption
dective
dective cadence
decerebrate
decern
deci-
deciare
decibel
decide
decided
decidua
deciduous
deciduous tooth
decigram
decile
deciliter
decillion
decimal
decimal classification
decimal fraction
decimal point
decimal system
decimalize
decimate
decimeter
decipher
decision
decisive
deck
deck chair
deck hand
deck officer
deck tennis
deckhand
deckhouse
deckle
deckle edge
decn.
decain
declamation
declamatory
declarant
declaration
declarative
declaratory
declare
declared
declarer
declass
declassify
decension
decline
declinometer
decilitious
decivity
decilous
decoct
decocion
decode
decoder
decollate
decolonize
decolorant
decolorize
decommission
decompenation
decompose
decomposed
decomposer
decomposition
decomposed
decompress
decompression sickness
decongestant
decomsecrate
decominate
decotrol
decor
decorate
decoration
decorative
decorator
decorous
decorticatde
decortication
decorum
decoupage
decoy
decrese
decreasing
decree
decree nisi
decrement
decrepit
decrepitate
decrepitude
decresc.
decrescendo
decrescent
decretal
decretive
decretory
decrial
decry
decrypt
decumbent
decuple
decurion
decurrent
decurved
decury
decussate
dedal
dedans
dedicate
dedicated
dedication
dedifferentiation
deduce
deduct
deductible
deduction
deductive
deed
deed poll
deejay
deer
def.
deface
defalcate
defalcation
defamation
defamatory
defame
default
defaulter
defeasance
defeasible
defeat
defeatism
defeatist
defecate
defect
defection
defective
defective number
defective year
defector
defence
defend
defendant
defenestration
defense
defense mechanism
defensible
defensive
defer
deference
deferent
deferential
deferment
deferral
defferred
deferred annuity
defiance
defiant
defibrillator
deficiency
deficiency disease
deficient
deficient number
deficit
deficit spending
defilade
defile
define
definiendum
definiens
definite
definite article
definite integral
definitely
definition
definitive
deflagrate
deflate
deflation
deflect
deflected
deflection
deflective
deflexed
deflocculate
defloration
deflower
defluxion
defoliant
defoliate
deforce
deforest
deform
deformation
deformed
deformity
defraud
defray
defrayal
defrock
defrost
defroster
deft
defunct
defy
deg.
degas
degauss
degeneracy
degenerate
degeneration
degenerative joint disease
deglutinate
deglutition
degradable
degradation
degrade
degraded
degrading
degrease
degree
degree of freedom
delectate
delectation
delegacy
delegate
delegation
delete
deleterious
deletion
delft
delfware
deli
deliberate
deliberation
deliberative
delicacy
delicate
delicatessen
delicious
delict
delight
delighted
delightful
delimit
delimitate
delineate
delineation
delineator
delinquency
delinquent
deliquescence
delirious
delirium
delirium tremens
delitescence
delitescent
deliver
deliverance
delivery
delivery room
dell
della Robbia
delocalize
delouse
delphinium
delta
delta connection
delta iron
delta ray
delta wing
deltaic
deltoid
delubrum
delude
delage
delusion
delusive
deluxe
delve
demagnetize
demagoge
demagogue
demagoguery
demagogy
demand
demand bill
demand deposit
demand loan
demand note
demandant
demanding
demantoid
demarcate
demarcation
demarche
demark
demasculinize
dematerialize
deme
demean
demeanor
dement
demented
dementia
dementia praecox
demerit
demesne
demi-
demi-sec
demibastion
demicanton
demigod
demijohn
demilitarize
demilune
demimondaine
demimonde
demineralize
demirelief
demirep
demise
demisemiquaver
demission
demit
demitassee
demiurge
demivolt
demo
demo-
demob
demobilize
democracy
democrat
democratic
democratize
demodulate
demodulation
demodulator
demography
demoiselle
demolish
demolition
demolition bomb
demon
demonetize
demoniac
demonic
demonism
demonize
demonography
demonolater
demonolatry
demonology
demonstrable
demonstrate
demonstration
demonstrative
demonstrator
demoralize
demos
demote
demotic
demount
dempster
demulcent
demulsify
demur
demure
demurage
demurral
demurrrer
demy
demythologize
den
denarius
denary
denationalize
denaturalize
denature
denazify
dendriform
dendrite
dendritic
dendro-
dendrochronology
dendroid
dendrology
dene
denegation
dengue
deniable
denial
denier
denigrate
denim
denims
denityrate
denitrify
denizen
denom.
denominate
denomination
denominational
denominationalism
denominative
denominator
denotation
denotative
denote
denouement
denounce
dense
densify
densimeter
densitometer
density
dent
dent.
dental
dental floss
dental surgeon
dentalium
dentate
dentation
dentelle
denti-
denticle
denticulate
denticulation
dentiform
dentifrice
dentil
dentil band
dentilabial
dentil lingual
dentist
dentistry
dentition
dentoid
denture
denudate
denudation
denude
denumerable
denunciate
denunciation
denunciatory
deny
deodand
deodar
dedorant
dedodorize
deontology
deo xidize
ddeoxygenate
deoxyribonuclease
deoxyribonucleic acid
deoxyribose
dep.
depart
depreciable
depreciate
depreciation
depreciatory
depredate
depredation
depress
depressant
depressed
depressed area
depression
depressive
depressomotor
depressor
deprivation
deprive
deprieved
depside
depth
depth bomb
depth charge
depth of field
depth psychology
depurate
depurative
deputation
depute
deputize
deputy
deputy sheriff
der.
deracinate
deraign
derail
derange
deranged
derangement
deration
derby
dereism
derelict
dereliction
deride
derisible
derision
derisive
deriv.
derivation
derivative
derive
derived unit
derma
dermal
dermatitis
dermato-
dermatogen
dermatoglyphics
dermatoid
dermatologist
dermatology
dermatome
dermatophyte
dermatoplasty
dermatosis
dermis
dermoid
dernier cri
dernier ressort
derogate
derogative
derogatory
derrick
derrying-do
derriinger
derris
derry
dervish
desalinate
desc.
descant
descend
descendant
descendent
descender
descendible
descent
describe
description
descriptive
descriptive geometry
descriptive linguistics
descry
desecrate
desegregate
desensitize
desert
desert boots
desert fathers
desert rat
deserted
desertion
deserve
deserved
deservedly
deserving
desex
desexualize
deshabille
desiccant
desiccate
desiccated
desiccator
desiderata
desiderate
desiderative
desideratum
design
designate
designation
designed
designedly
designer
designing
desinence
desirable
desire
desired
desirous
desist
desk
desman
desmid
desmoid
desolate
desolation
desorb
despair
despairing
despatch
desperado
desperate
desperation
despicable
despise
despite
despiteful
despoil
despoliation
despond
despondency
despondent
despot
despotic
despotism
despumate
desquamate
dessert
dessert wine
dessertspoon
dessiatine
destination
destine
destined
destiny
destitute
destitution
destrier
destroy
destroyer
destroyer escort
destruct
destructible
destruction
destructionist
destructive
destructive distillation
destructor
desuetude
desulphurize
desultory
detach
detached
detachment
detail
detail drawing
detail man
detailed
detain
detainer
detect
detection
deus ex machina
deuteragonist
deuteranope
deuteranopia
deuterium
deuterium oxide
deutero-
deuterogamy
deuteron
deutoplasm
deutzia
deva
devaluate
devaluation
devalue
devastate
devastating
devastation
develop
developer
developing
development
devest
deviant
deviate
deviation
deviationism
device
devil
devil's advocate
devil's darning needle
devil's food cake
devil's grip
devil's tattoo
devil-may-care
deviled
devilfish
devilish
devilkin
devilment
devilry
deviltry
devious
devisable
devisal
devide
deviser
dharna
dhobi
dhole
dhoti
dhow
dhyana
di-
di.
dia-
diabase
diabetes
diabetes insipidus
diabetes mellitus
diabetic
diablerie
diabolic
diabolism
diabolize
diabolo
diacaustic
diacetylmorphine
diachronic
diacid
diaconal
diaconate
diaconicon
diaconicum
diacritic
diacritical
diactinic
diadelphous
diadem
diadromous
diaeresis
diag.
diagenesis
diageotropism
diagnose
diagnosis
diagnostic
diagnostician
diagnostics
diagonal
diagram
diagraph
diakinesis
dial
dial telephone
dial tone
dial
dialect
dialect atlas
dialect geography
dialectal
dialectic
dialectical
dialectical materialism
dialectician
dialecticism
dialectics
dialectologist
dialectology
diallage
dialogism
dialogist
dialogize
dialogue
dalyse
dalyser
dialysis
dalytic
dalyze
diam.
diamagnet
diamagnetic
diamagnetism
diameter
diametral
diametrically
diamine
diamond
diamond drill
diamond jubilee
diamond point
diamondback
diamondback rattlesnake
diamondback terrapin
diandrous
dianetics
dianoetic
dianoia
dianthus
diapason
diapause
diapedesis
diaper
diaper rash
diaphane
diaphaneity
diaphanous
diaphone
diaphony
diaphoresis
diaphoretic
diaphragm
diaphysis
diapophysis
diapositive
diarchy
diarist
diarrhea
diarrhoea
diarthrosis
diary
diaspore
diastase
diastasis
diastema
diaster
diastole
diastrophism
diastyle
diatessaron
diathermic
diathermy
diathesis
diatom
diatomaceous
diatomaceous earth
diatomic
diatomite
diatonic
diatrbe
diatropism
diazone
diazog o
diazole
diazo methane
diazonium
diazonium salt
diazotize
dib
dibasic
dibble
dibbuk
dibranchiate
dibromide
dibs
dibucaine
dicarboxylic acid
dicast
dice
dicentra
dicephalous
dichasium
dichlamydeous
dichloride
dichlorodifluoromethane
dichlorodiphenyltrichloroethane
dicho-
dichogamy
dichotomize
dichotomous
dichotomy
dichroic
dichroism
dichroite
dichromate
dichromatic
dichromaticism
dichromatism
dichromic
dichromic acid
dichroscope
dick
dickens
dicker
dickey
dicky
diclinous
dicot
dicotyledon
dicrotic
dict.
dicta
dictate
dictation
dictator
dictatorial
dictatorship
diction
dictionary
dictionary catalog
dictum
did
didactic
didactics
diddle
didn't
dido
didst
didymium
didymous
didynamous
die
die down
die out
die-hard
dieback
diecius
diehard
dieldrin
dielectric
dielectric constant
dielectric heating
diencephalon
dieresis
dies non
diesel
diesel cycle
diesel engine
diesel oil
diesel-electric
diesis
diestock
diet
dietary
dietetic
dietetics
diethyl ether
dietitian
diff.
differ
difference
different
differentia
differentiable
differential
differential analyzer
differential calculus
differential coefficient
differential equation
differential gear
differential operator
differential psychology
differential windlass
differentiate
differentiation
difficile
difficult
difficulty
diffidence
diffident
diffluent
diffract
diffraction
diffraction grating
diffractive
diffractometer
diffuse
diffuse nebula
diffuser
diffusion
diffusive
diffusivity
dig
dig in
dig.
digamma
digamy
digastric
digensis
digest
digestant
digester
digestable
digestif
digestion
digestive
digestive biscuit
digged
digger
digger wasp
diggings
dight
digit
digital
digital clock
digital computer
digitalin
digitalis
digitalism
digitalize
digate
digitiform
digitigrade
digitize
digitoxin
diglot
dignified
dignify
dignitary
dignity
digraph
digress
digression
digressive
dihedral
dihedral angle
dihedron
dihybrid
dihydric
dihydrostreptomycin
dik-dik
dike
dilapidate
dilapidated
dilapidation
dilatant
dilatation
dilate
dilation
dilative
dilatometer
dilator
dilatory
dildo
dilemma
dilettante
dilettantism
diligence
diligent
dill
dill pickle
dilly
dilly bag
dillydally
diluent
dilute
dilution
diluvial
diluvium
dim
dim.
dime
dime novel
dime store
dimenhydrinate
dimension
dimer
dimercaprol
dimerous
dimeter
dimetric
dimidiate
diminish
diminished
diminished seventh chord
diminuendo
diminution
diminutive
dimissory
dimissory letter
dimity
dimmer
dimorph
dimorphism
dimorphous
dimple
dimwit
din
dinar
dine
dine out
diner
dineric
dinette
ding
ding-dong
dingbat
dinge
dingly
dingle
dingo
diplo-
diploblastic
diplocardiac
diplococcus
diplodocus
diploid
diploma
diplomacy
diplomat
diplomate
diplomatic
diplomatic corps
diplomatic immunity
diplomatic pouch
diplomatics
diplomatist
diploia
diplopod
diplosis
diplostemonous
dipnoan
dipody
dipole
dipper
dippy
dipsomania
dipsomaniac
dipstick
dipteral
dipteran
dipterocarpaceous
dipteron
diptych
dir.
dire
direct
direct action
direct current
direct distance dialing
direct evidence
direct lighting
direct mail
direct object
direct primary
direct tax
directed
direction
direction finder
directional
directions
directive
directly
director
directorate
directorial
directory
directrix
direful
dirge
dirgible
dirk
dirmld
dirt
dirt-cheap
dirty
dis-
disability
disability clause
disability insurance
disable
disabled
disabuse
disaccharide
disaccord
disaccrredit
disaccustom
disadvantage
disadvantaged
disadvantageous
disaffect
disaffection
disaffiliate
disaffirm
disafforest
disagree
disagreeable
disagreement
disallow
disannul
disappear
disappearance
disappoint
disappointed
disappointment
disapprobation
disapproval
disapprove
disarm
disarmament
disarming
disarrange
disarray
disarticulate
disassemble
disassembly
dissociate
disaster
disastrous
disavow
disavowal
disband
disbar
disbelief
disbelieve
disbranch
disbud
disburden
disburse
disbursement
disc
disc jockey
disc.
discalced
discant
discard
discarnate
discern
discernible
discerning
discernment
discharge
disciple
disciplinant
disciplinarian
disciplinary
discipline
disclaim
disclaimer
disclam
disclimax
disclose
disclosure
discobolus
discography
discoid
discolor
discoloration
discombobulate
discomfit
discomfiture
discomfort
discomfortable
discommend
discommode
discommodity
discommon
discompose
discomposure
disconcert
disconcerted
disconformity
disconnect
disconnected
disconnection
disconsider
disconsolate
discontent
discontented
discontinuance
discontinuation
discontinue
discontinuity
discontinuous
discophile
discord
discordance
discordancy
discordan
discotheque
discount
discount broker
discount house
discount rate
discount store
discountenance
discounter
discourage
discouragement
discourse
discourteous
discourtesy
disenthall
disenthrone
disentitle
disentomb
disentwine
disepalous
disequilibrium
deseestablish
disesteem
diseur
diseuse
disfavor
disfeature
disfigure
disfigurement
disforest
disfranchise
disfrock
disgorge
disgrace
disgraceful
disgruntle
disguise
disgust
disgusting
dish
dish out
dish up
dishabille
disharmonious
disharmony
dishcloth
dishcloth gourd
dishhearten
dished
disherison
dishevel
disheveled
dishonest
dishonesty
dishonor
dishonorable
dishonorable discharge
dishpan
dishrag
dishtowel
dishwasher
dishwater
disillusion
disillusionize
disincentive
disinclination
disincline
disinclined
disinfect
disinfectant
disinfection
disinfect
asingenous
disinherit
disintegrate
disintegration
disinter
disinterest
disinterested
disject
disjecta membra
disjoin
disjoined
disjoint
disjointed
disjunct
disjunction
disjunctive
disjuncture
disk
disk harrow
disk-seal tube
dislike
dislimn
dislocate
dislocation
dislodge
disloyal
disloyalty
dismal
dismantle
dismass
ismay
ismember
ismiss
ismissal
ismissive
ismatch
isobedience
isobedient
disobey
disoblige
disoperation
disorder
disordered
disorderly
disorderly conduct
disorderly house
disorganization
disorganize
disorient
disorientate
disown
disparage
disparagement
disparate
disparity
dispart
dispersion
dispassion
dispassionate
dispatch
dispatch boat
dispatch box
dispatch case
dispatcher
dispel
dispense
dispensable
dispensary
dispensation
dispensatory
dispense
dispenser
dispeople
dispermous
dispersal
dispersant
disperse
dispersion
dispensive
dispersoid
dispirit
dispirited
displace
displaced person
displacement
displacement ton
displant
display
displayed
displease
displeasure
displode
displume
disport
disposable
disposable income
disposal
dispose
disposed
disposition
dispossess
disposure
dispraise
dispread
disprize
disproof
disproportion
disproportionate
disproportionation
disprove
disputable
disputant
disputation
disputatious
dispute
disqualification
disqualify
disquiet
disquieting
disquietude
disquisition
disrate
disregard
disregardful
disrelish
disremember
disrepair
disreputable
disrepute
disrespect
disrespectable
disrespectful
disrobe
disrupt
disruption
disruptive
disruptive discharge
dissatisfaction
dissatisfactory
dissatisfied
dissatisfy
dissect
dissected
dissection
dissector tube
disseise
disseisin
dissemblance
dissemble
disseminate
dissemunule
dissension
dissent
dissenter
dissentent
dissentious
dissepiment
dissert
dissertate
dissertation
disserve
disservice
disserver
dissidence
dissident
dissimilar
dissimilarity
dissimilatate
dissimilation
dissimilitude
dissimulate
dissimulation
dissipate
dissipated
dissipation
dissociable
dissociate
dissociation
dissogeny
dissoluble
dissolute
dissolution
dissolve
dissolvent
dissonance
dissonancy
dissonant
dissuade
dissuasion
dissuasive
dissyllable
dissymmetry
dist.
distaff
distaff side
distal
distance
distant
distaste
distasteful
distemper
distend
distended
distich
distichous
distil
distill
distillate
distillation
distilled
distiller
distillery
distinct
distinction
distinctive
distinctive feature
distinctly
distinguish
distinguished
distinguishing
distort
distorted
distortion
distr.
distract
distracted
distraction
distrain
distraint
distrait
distraught
div.
diva
divagate
divalent
divan
divaricate
dive
dive bomber
dive-bomb
diver
diverge
divergence
divergency
divergent
divers
diverse
diversification
diversified
diversiform
diversify
diversion
diversity
divert
diverticulitis
diverticulosis
diverticulum
divertimento
dverting
dvertissement
divest
divestiture
divi-divi
divide
divided
divided highway
dividend
divider
divers
divination
divine
divine healing
divine office
divine service
diviner
diving beetle
diving bell
diving board
diving boat
diving suit
diving rod
divinity
divinity school
devinize
divisibility
divisible
division
division algebra
division sign
divisionism
divisive
divisor
divorce
divorce court
divorcee
divorcement
divot
divulgation
divulge
divulgence
divulsion
divvy
diwan
dixie
dizen
dizzy
djebel
dk.
dkl
dlr.
dlvy.
dm
do
do away with
do by
do for
do in
do over
do up
do with
do without
do-all
do-gooder
do-goodism
do-it-yourself
do-nothing
do-nothingism
do-or-die
do.
doable
dobbin
dobby
dobla
dobsonfly
doc
doc.
docent
doch-an-dorrach
docile
dock
dockage
docker
docket
dockhand
dockyard
doctor
doctrate
document
documentary
documentation
dodder
doddered
doddering
dodeca-
dodecagon
dodecahedron
dodecanoic acid
dodecasyllable
dodge
dodger
dodo
doe
doer
does
doeskin
doff
dog
dog Latin
dog biscuit
dog clutch
dog collar
dog days
dog fennel
dog in the manger
dog paddle
dog rose
dog sled
dog tag
dog's-tail
dog's-tongue
dog-day cicada
dog-ear
dog-eared
dog-eat-dog
dog-tired
dogbane
dogberry
dogcart
dogcatcher
doge
dogface
dogfight
dogfish
dogged
dogger
doggerel
doggery
doggish
doggo
doggone
doggoned
doggy
doghouse
dogie
dogleg
dogleg fence
doglike
dogma
dogmatic
dogmatics
dogmatism
dogmatist
dogmatize
dogtooth
dogtooth violet
dogtrot
dogvane
dogwatch
dogwood
domicile
domiciliary
domiciliate
dominance
dominant
dominant tenement
dominate
domination
dominations
domineer
domineering
dominical
dominical letter
dominie
dominion
dominions
dominium
domino
domino theory
dominoes
don
don't
dona
donate
donation
donative
done
donee
dong
donga
donjon
donkey
donna
donnish
donnybrook
donor
doodad
doodle
doodlebug
doodlesack
doolie
doom
doom palm
doomsday
door
doorbell
doorframe
doorjamb
doorkeeper
door knob
doorman
doormat
doornail
doornail

doorsill
doorstep
doorstone
doorstep
dooryard
dooryard

dope

dope fiend
dopester
dopey
dor
dorado
dorn
dormancy
dormant
dormer
dormeuse
dormie
dormitory
dormouse
dornick
doronicum
dorp
dorsad
dorsal
dorsal fin
dorser
dorsiferous
dorsiventral
dorso-
dorsoventral
dorsum
dorty
dory
dosage
dose
dosimeter
doss
dossal
dosser
dossier
dost
dot
dot product
dotage
dotard
dotation
dote
doth
doting
dotted
dotterel
dottle
dotty
double
double Dutch
double agent
double back
double bar
double bass
double bassoon
double bed
double boiler
double bond
double chin
double cross
double dagger
double decomposition
double eagle
double entendre
double entry
double exposure
double fault
double feature
double first
double flat
double glazing
double harness
double hitch
double indemnity
double jeopardy
double negative
double play
double pneumonia
double refraction
double rhyme
double salt
double sharp
double standard
double star
double tackle
double take
double time
double-acting
double-bank
double-breasted
double-check
double-cross
double-dealing
double-decker
double-edged
double-faced
double-header
double-helical gear
double-hung
double-jointed
double-minded
double-park
double-quick
double-reed
double-ripper
double-space
double-stop
double-talk
double-team
double-time
double-tongue
double-tongued
doubleganger
doubleheader
doubleness
doubles
doublet
doublenthink
doubleton
doubletree
doubling
doubloon
doublure
doubly
doubt
doubtful
doubting Thomas
doubtless
douce
douceur
douche
dough
doughboy
doughnut
doughty
doughy
doum palm
douma
dour
doura
dourine
douse
douzepers
dove
dovecote
dovekie
dovelike
dovetail
dovetail plane
dovetail saw
dovetailed
dow
dowable
dowager
dowdy
dowel
dower
dower house
dowery
dowie
dowitcher
down
down payment
down under
down-and-out
down-at-heel
down-bow
down-to-earth
downbeat
downcast
downcome
downcomer
downdraft
downfall
downdraft
downhaul
downdhearted
downhill
downpipe
draconic
draff
draft
draft animal
draft board
draft chair
draft dodger
draft horse
draftee
draftsman
drafty
drag
drag hunt
drag in
drag link
drag race
drag sail
drag up
dragging
draggle
draggletailed
draghound
dragline
dragnet
dragoman
dragon
dragon tree
dragon's blood
dragonet
dragonfly
dragonhead
dragonnade
dragonroot
dragoon
dragrope
dragster
drain
drainage
drainage basin
draining board
drainpipe
drake
dram
drama
dramatic
dramatic irony
dramatics
dramatis personae
dramatist
dramatization
dramatize
dramaturge
dramaturgy
dramshop
drank
drape
draper
drapery
drastic
drat
dratted
draught
draughtboard
draughts
draughtsman
draughty
draw
draw in
draw off
draw on
draw out
draw poker
draw up
drawback
drawbar
drawbridge
drawee
drawer
drawers
drawing
drawing account
drawing board
drawing card
drawing pin
drawing room
drawknife
drawl
drawn
drawn butter
drawn work
drawplate
drawshave
drawstring
drawtube
dray
drayage
drayman
dread
dreadful
dreadfully
dreadnought
dream
dream analysis
dream up
dream vision
dreamer
dreamland
dreamworld
dreamy
drear
dreary
dredge
dredge up
dredger
dredging machine
dree
dreg
dregs
drench
dress
dress circle
dress coat
dress down
dress parade
dress rehearsal
dress shield
dress shirt
dress suit
dress uniform
dress up
dressage
dresser
dressing
dressing gown
dressing room
dressing sack
dressing station
dressing table
dressing-down
dressmaker
dressy
drew
dribble
driblet
dribs and drabs
dried
dried-up
drier
driest
drift
drift anchor
drift angle
drift ice
drift net
drift netter
drift tube
driftage
drifter
driftwood
drill
drill press
drilling
drillmaster
drillstock
drily
drink
drinkable
drinker
drinking
drinking fountain
drinking song
drinking water
drip
drip-dry
dripping
dripping pan
drippy
dripstone
drive
drive at
drive-in
drivel
driven
driver
driver ant
driver's seat
driveway
driving
driving wheel
drizzle
drogue
droit
droit des gens
droit du seigneur
droll
drollery
dromedary
dromond
drone
drongo
drool
droop
droopy
drop
drop black
drop cloth
drop curtain
drop forge
drop hammer
drop kick
drop leaf
drop letter
drop off
drop scene
drop shipment
drop shot
drop-forged
drop-kick
droplet
droplight
dropline
dropout
dropper
dropping
droppings
drops
dropsical
dropsonde
dropsy
dropwort
droshky
drosophila
dross
drought
droughty
drove
drover
drown
drowse
drowsy
drub
drubbing
drudge
drudgery
drug
drug addict
drugget
druggist
drugstore
druid
drum
drum corps
drum major
drum majorette
drum out
drumbeat
drumfire
drumfish
drumhead
drumhead court-martial
drumlin
drummer
drumstick
drunk
drunkard
drunken
drunkenometer
drupe
drupelet
druse
dry
dry battery
dry cell
dry cleaner
dry cleaning
dry distillation
dry dock
dry farming
dry fly
dry goods
dry kiln
dry law
dry martini
dry measure
dry mop
dry nurse
dry offset
dry plate
dry rot
dry run
dry up
dry-bone ore
dry-bulb thermometer
dry-clean
dry-nurse
dry-salt
dryad
dryasdust
dryer
drying
drying oil
dryly
drypoint
drysalter
du Bellay
duad
dual
dual carriageway
dual personality
dual-purpose
dualism
dualistic
duality
duarchy
dub
dubbin
dubbing
dubiety
dubious
dubitable
dubititation
ducal
ducat
duce
duchess
duchy
duck
duck hawk
duck soup
duckbill
duckboard
ducking stool
duckling
duckpin
ducks
ducks and drakes
ducktail
duckweed
ducky
duct
ductile
ductless gland
dud
dude
dude ranch
dudeen
dudgeon
duds
due
due bill
duel
duelist
duello
duenna
dues
duet
duff
duffel
duffel bag
duffel coat
duffer
dug
dugong
dugout
duiker
duke
dukedom
dulcet
dulciana
dulcify
dulcimer
dulcinea
dulia
dull
dullard
dullish
dulosis
dulse
duly
duma
dumb
dumb ague
dumb cluck
dumb show
duotone
dup
dup.
dupe
dupery
dupion
duple
duple time
duplet
duplex
duplex apartment
duplex house
duplicate
duplication
duplicator
duplicature
duplicity
dupondius
duppy
dura mater
durable
durable goods
duramen
durance
duration
durative
durbar
duress
durian
during
durmast
duro
durra
durst
dusk
dusky
dust
dust bowl
dust cover
dust devil
dust jacket
dust mop
dust shot
dust storm
dustcloth
duster
dustheap
dustman
dustpan
dustproof
dustup
dusty
dusty miller
duteous
dutiable
dutiful
duty
duty-bound
duty-free
duumvir
duumvirate
duvetyn
dux
dvandva
dwarf
dwarf chestnut
dwarf cornel
dwarf mallow
dwarf star
dwarfish
dwarfism
dwell
dwell on
dwelling
dwelling house
dwelling place
dwelt
dwindle
dwt
dyad
dyadic
dyarchy
dybbuk
dye
dyed-in-the-wool
dyeing
dyeline
dyer's-weed
dyestuff
dyewood
dying
dyke
dynameter
dynamic
dynamic geology
dynamic psychology
dynamics
dynamism
dynamite
dynamiter
dynamo
dynamo-
dynamoelectric
dynamometer
dynamometry
dynamotor
dynast
dynasty
dynatron
dyne
dynode
dys-
dysarthria
dyscrasias
dysentery
dysfunction
dysgenic
dysgenics
dysgraphia
dyslalia
dyslexia
dyslogia
dyslogistic
dyspepsia
dyspeptic
dysphagia
dysphasia
dysphemia
dysphemism
dysphonia
dysphoria
dysplasia
dyspnea
dysprosium
dysteleology
dysthymia
dystopia
dystrophy
dysuria
dz.
dziggetai
e
e'en
e'er
eastward
eastwardly
eastwards
easy
easy chair
easygoing
eat
eat out
eat up
eatable
eatables
eatage
eaten
eating
eating house
eats
eau
eau de Cologne
eau de Javelle
eau de vie
eaves
eavesdrop
ebb
ebb tide
ebon
ebonite
ebonize
ebony
ebracteate
ebullience
ebullient
ebullition
eburnation
ec-
ecbolic
eccentric
eccentricity
ecchymosis
eccl.
ecclesia
ecclesiastic
ecclesiastical
ecclesiastical calendar
ecclesiastical law
ecclesiastical mode
ecclesiasticism
eccesiolatry
ecclesiology
eccrine
eccrinology
cdysiat
ecdysis
ecesis
echelon
echidna
echinate
echino-
echinoderm
echinoid
echinus
echo
echo chamber
echo sounder
echoic
echoism
echolalia
echolocation
echopraxia
echovirus
echt
eclair
eclampsia
eclat
eclectic
eclecticism
eclipse
eclipse plumage
ecliptic
ecloganite
eclogue
eclosion
ecol.
ecology
econ.
econometrics
economic
economic cycle
economic determinism
economic geography
economical
economically
economics
economist
economize
economizer
economy
ecospecies
ecosphere
ecosystem
ecotone
etotype
ecphonesis
cru
ectasy
ecstatic
ecstatics
ecphonesis
ecru
edacious
edacity
edaphic
eddo
eddy
eddy current
edelweiss
edema
edentate
edge
edge tool
edgebone
edger
effectual
effectually
effectuate
effeminacy
effeminate
effeminize
effiendi
efferent
effervesce
effervescent
efete
efficacious
efficacy
efficiency
efficiency apartment
efficient
efficient cause
effigy
effloresce
efflorescence
efflorescent
effluence
effluent
effluvium
efflux
effort
effortful
effortless
effrontery
effulgence
effulgent
effuse
effusion
effusive
eft
egad
egalitarian
egest
egesta
egestion
egg
egg and dart
egg roll
egg timer
egg tooth
egg white
egg-shaped
eggbeater
eggcup
egger
egghead
eggnog
eggplant
eggs Benedict
eggshell
eggshell porcelain
egis
eglantine
ego
ego ideal
ego trip
egocentric
egocentrism
egoism
egoist
egomania
egotism
egotist
egregious
egress
egression
egret
eh
eider
eider duck
eiderdown
eidetic
eidolon
eigenfunction
eigenvalue
eight
eighteen
eighteenmo
eighteenth
eighthfold
eighth
eighth
eighth note
eighthth
eighty
eikon
einkorn
einsteinium
eisegesis
eisteddfod
either
ejaculate
ejaculation
ejaculatory
eject
ejecta
ejection
ejection seat
ejective
ejectment
ejector
ejector seat
eke
eke out
el
elaborate
elaboration
elaeoptene
elan
eland
elapid
elapse
elasmobranch
elastance
elastic
elastic limit
elastic modulus
elasticity
elasticize
elastin
elastomer
elate
elated
elater
elaterid
elaterin
elaterite
elaterium
elation
elative
elbow
elbow grease
elbowroom
eld
elder
elder statesman
elderberry
elderly
eldest
eldritch
elecampane
elect
elect.
election
election district
electioneer
elective
elector
electoral
electoral college
electorate
electret
electric
electric blue
electric chair
electric charge
electric current
electric eel
electric eye
electric field
electric furnace
electric guitar
electric needle
electric organ
electric potential
electric ray
electric shock
electric storm
electric thermometer
electric torch
electric wave
electrical
electrical engineer
electrical engineering
electrical transcription
electrician
electricity
electrify
electro
electro-
electroacoustics
electroanalysis
electroballistics
electrobiology
electrocardiogram
electrocardiograph
electrocautery
electrochemistry
electrocorticogram
electrocute
electrode
electrodeposit
electrodialysis
electrodynamic
electrodynamics
electrodynamometer
electroencephalogram
electroencephalograph
electroform
electrograph
electrojet
electrokinetic
electrokinetics
electrolier
electroluminescence
electrolyse
electrolysis
electrolyte
electrolytic
electrolytic cell
electrolytic interrupter
electrolyze
electromagnet
electromagnetic
electromagnetic field
electromagnetic induction
electromagnetic radiation
electromagnetic spectrum
electromagnetic unit
electromagnetic wave
electromagnetism
electromechanical
electrometallurgy
electrometer
electromotive
electromotive force
electromotor
electromyography
electron
electron affinity
electron camera
electron gun
electron lens
electron microscope
electron multiplier
electron optics
electron telescope
electron tube
electron-ray tube
electronarcosis
electronegative
electronic
electronic brain
electronic data processing
electronic music
electronic organ
electronics
electrophilic
electrophone
electrophoresis
electrophorus
electrophotography
electrophysiology
electroplate
electropositive
electroscope
electroshock
electroshock therapy
electrostatic
electrostatic generator
electrostatic induction
electrostatic unit
electrostatics
electrostriction
electrosurgery
electrotechnics
electrotechnology
electrotherapeutics
electrotherapy
electrothermal
electrothermics
electrotonus
electrotype
electrum
elecmosynary
elegance
elegancy
elegant
elegiac
elegiac couplet
elegiac pentameter
elegist
elegit
elegize
elegy
elem.
element
elemental
elementary
elementary particle
elementary school
elemi
elenchus
eleoptene
elephant
elephant bird
elephant seal
elephant shrew
elephant's-ear
elephant's-foot
elephantiasis
elephantine
elevate
elevated
elevation
elevator
eleven
elevenses
eleventh
eleventh hour
elevon
elf
elfin
elfish
elfland
elflock
eliciting
elide
eligibility
eligible
eliminate
elimination
elision
elite
elitism
elixir
elk
elkhound
el
ell
ellipse
ellipsis
ellipsoid
elliptic geometry
elliptic spring
ellipticity
elm
elm leaf beetle
elocution
eloign
elongate
elongation
elope
eloquence
eloquent
else
elsewhere
elucidate
elude
elusion
elusive
elute
elutriate
eluviation
eluvium
ever
elves
elvish
elytron
em
em dash
em quad
em-
emaciate
emaciated
emaciation
emanate
emanation
emanative
emancipate
emancipated
emancipation
emancipator
emarginate
emasculate
embalm
embank
embankment
embargo
embark
embroider
embroideress
embroidery
embroil
embrue
embryectomy
embryo
embryo sac
embryogeny
embryol.
embryologist
embryology
embryonic
embryotomy
embus
emcee
emend
emendate
emendation
emerald
emerge
emergence
emergency
emergent
emergent evolution
emeritus
emersed
emersion
emery
emery board
emery wheel
emesis
emet
etic
emetine
emf
emigrant
emigrate
emigration
eminence
eminent
eminent domain
emir
emirate
emissary
emission
emission spectrum
emissive
emissivity
emit
emitter
emmenagogue
emmer
emmet
emmetropia
emollient
emolument
emote
emotion
emotional
emotionalism
emotionality
emotionalize
emotive
emotive meaning
empale
empanel
empathic
empathize
empathy
empennage
emperor
emperor penguin
emperey
emphasis
emphasize
emphatic
emphysema
empire
empiric
empirical
empirical formula
empiricism
emplace
emplacement
emplane
employ
employee
employer
employment
employment agency
employment exchange
empoison
emporium
empoverish
empower
empress
empressement
emprise
emptor
empty
empty word
empty-handed
empty-headed
empurple
empyema
empyreal
empyrean
emu
emulate
emulation
emulous
emulsifier
emulsify
emulsion
emulsoid
emunctory
en
en attendant
en bloc
en brosse
en clair
en dash
en famille
en masse
en passant
en plein air
en prise
en quad
en rapport
en route
en suite
en-
enable
enabling
enact
enactment
enallage
enamel
enameling
enamelware
enamor
enamour
enantiomorph
enarthrosis
enate
en.
encaenia
ten
gen
encamp
encampment
encapsulate
encarnalize
encase
encasement
encaustic
enceinte
encephalic
encephalitis
encephalitis lethargica
encephalo-
encephalogram
encephalograph
encephalography
encephaloma
encephalomyelitis
encephalon
enchain
enchant
enchanter
enchanter's nightshade
enchanting
enchantment
enchantress
enchase
enchilada
enchiridion
enchondroma
enchorial
encincture
encipher
encircle
encl.
enclasp
enclave
enclitic
enclose
enclosure
encode
encomiast
encomiastic
encomium
encompass
endoblast
endocardial
endocarditis
endocardium
endocarp
endocentric
endocranium
endocrine
endocrine gland
endocrinology
endocrinotherapy
endoderm
endodermis
endodontics
endodontist
endoenzyme
endoergic
endogamy
endogen
endogenous
endolymph
endometriosis
endometrium
endomorph
endomorphic
endomorphism
endoparasite
endopeptidase
endophyte
endoplasm
endorse
endorsed
endorsee
endorsement
endoscope
endoskeleton
endosmosis
endosperm
endospore
endosteum
endostosis
endothecium
endothelioma
endothelium
endothermic
endotoxin
endow
endowment
endowment insurance
endpaper
endplay
endrin
endue
endurable
endurance
endurant
endure
enduring
endways
enema
enemy
energetic
energetics
energid
energize
energumen
energy
energy level
enervate
enervated
enface
enfant terrible
enfeeble
enfeoff
enfilade
enfleurage
enfold
enforce
enforcement
enfranchise
eng
eng.
engage
engaged
engagement
engagement ring
engaging
engender
engin.
engine
engine driver
engine room
engineer
engineer's chain
engineering
engineman
ennoble
ennui
enol
enormity
enormous
enosis
enough
enounce
enow
enphytotic
enplane
enquire
enrage
enrapture
enrich
enrichment
enrobe
enrol
enroll
enrollee
enrollment
enroot
ens
ensample
ensanguine
ensconce
enscroll
ensemble
ensepulcher
ensheathe
enshrine
enshroud
ensiform
ensign
ensilage
ensile
enslave
ensnare
ensoul
ensphere
enstatite
ensue
ensure
enswathe
entablature
entablement
entail
entangle
entanglement
entasis
entelechy
entellus
entente
entente cordiale
enter
enter into
enterectomy
enteric
enteric fever
enteritis
entero-
enterogastrone
enteron
enterostomy
enterotomy
enterovirus
enterprise
enterpriser
enterprising
entertain
entertainer
entertaining
entertainment
enthalpy
enthetic
enthral
enthral
enthrone
enthronement
enthuse
enthusiasm
enthusiast
enthusiastic
enthymeme
entice
enticement
entire
entirely
entirety
entitle
entity
ento-
entoblast
entoderm
entoil
entomb
entomo-
entomol.
entomologize
entomology
entomophagous
entomophilous
entomostracan
entophyte
entopic
entourage
entozoic
entozoon
entr'acte
entails
entrain
entrammel
entrance
entranceway
entrant
entrap
entre nous
entreat
entreaty
entrechat
entree
entremets
entrench
entrenching tool
entrenchment
entrepreneur
entresol
entropy
entrust
entry
entryway
entwine
enucleate
enumerate
enumeration
enunciate
enunciation
enure
enuresis
envelop
envelope
envelopment
envenom
enviable
envious
environ
environment
environmentalist
environs
envisage
envision
envoi
envoy
envy
enwind
enwomb
enwrap
enwreathe
enzootic
enzyme
enzymology
enzymolysis
eo-
eohippus
colith
cololithic
con
conian
conism
cosin
cosinophil
ep-
epact
epagoge
epanaphora
epanodos
epanorthosis
eparch
eparchy
epaulet
epeirogeny
epencephalon
epenthesis
epergne
epexegesis
eph-
ephah
ephebe
ephedrine
ephemera
ephemeral
ephemerality
ephemerid
ephemesis
ephemeris time
ephemeron
ephod
ephor
epi-
epiblast
epiboly
epic
epic simile
epicalyx
epicanthus
epicardium
epicarp
epicédimum
epicene
epicenter
epiclesis
epicontinental
epicotyl
epicrisis
epicritic
epicure
epicurean
epicycle
epicyclic train
epicycloid
epideictic
epidemic
epidemic encephalitis
epidemic pleurodynia
epidemiology
epidermis
epidiascope
epididymis
epidote
epifocal
epigastrium
epigeal
epigene
epigenesis
epigenous
epigeous
epiglottis
epigone
epigram
epigrammatist
epigrammatize
epigraph
epigraphic
epigraphy
epigynous
epilate
epilepsy
epileptic
epileptoid
eplimnion
epilogue
epimorphosis
epinasty
epinephrine
epineurium
epiphany
epiphenomenalism
epiphenomenon
epiphora
epiphragm
epiphysis
epiphyte
epiphytotic
epiroygeny
episcopacy
episcopal
episcopalian
episcopality
episcopate
episiotomy
episode
episodic
epispastic
epistasis
epistaxis
epistemic
epistemology
episternum
epistle
epistolary novel
epistrophe
epistyle
epitaph
epitasis
epithalamium
epithelioma
epithelium
epithet
epitome
epitomize
epizoic
epizoon
epizootic
epoch
epoch-making
epochal
epode
eponym
eponymous
eponymy
epos
epoxy
epoxy resin
epsilon
epsomite
eq.
equable
equal
equal sign
equalitarian
equality
equalize
equalizer
equally
equanimity
equanamous
equate
equation
equation of time
equator
equatorial
equerry
equestrian
equestrienne
equi-
equiangular
equidistance
equidistant
equilaterial
equilibrant
equilibrate
equilibrist
equilibrum
equimolecular
equine
equine distemper
equinoctial
equinoctial circle
equinoctial line
equinoctial point
equinoctial year
equinox
equip
equipage
equipment
equipage
equipollent
equiponderance
equiponderate
equipotential
equiprobable
quisetum
equitable
equitant
equitation
equites
equities
equity
equity capital
equity of redemption
equity security
equiv.
equivalence
equivalency
equivalent
equivalent circuit
equivalent weight
equivocal
equivocate
equivocation
equivocate
equivocate
er
era
eradicate
eradicate
erase
erased
eraser
erosion
erasure
erbium
ere
erect
erectile
erection
erective
erector
erelong
eremite
erenow
erespin
erethism
erewhile
erg
erg
ergocalciferol
ergograph
ergonomics
ergosterol
ergot
ergotism
ericaceous
erigeron
erinaceous
eringo
eristic
erk
erlking
ermine
ermines
erminois
erne
erode
erogenous
erose
erosion
erosive
erotic
erotica
eroticism
eroto-
erotogenic
erotomania
err
errancy
errand
errand boy
errant
errantry
errata
erratic
escapement
escapism
escargot
escarole
escarp
escarpment
eschalot
eschar
escharotic
eschatology
escheat
eschew
escolar
escort
escort carrier
escort fighter
escribe
escritoire
escrow
escuage
escudo
esculent
escutcheon
esemplastic
eserine
esker
esophagitis
esophagus
esoteric
esoterica
esotropia
esp.
espadrille
espagnole
espalier
esparto
especial
especially
esperance
espia
espionage
esplanade
espousal
espouse
espresso
esprit
esprit de corps
espy
esquire
essay
essayist
essayistic
esse
essence
essential
essential oil
essentialism
essentiality
esseive
essonite
est.
establish
establishment
establishmentarian
estafette
estaminet
estancia
estate
estate agent
estate car
estate tax
esteem
ester
esterase
esterify
esthesia
esthete
estimable
estimate
estimation
estimative
estipulate
estival
estivate
estivation
estop
estoppel
estovers
estrade
estradiol
estragon
estrange
estranged
estray
estreat
estrin
ethnography
ethnol.
ethnology
ethnomusicology
ethology
ethos
ethyl
ethyl acetate
ethyl alcohol
ethyl carbamate
ethyl ether
ethylate
ethylene
ethylene glycol
ethylene group
ethylene series
ethyne
etiolate
etiology
etiquette
etna
etude
etu
etymologize
etymology
etymon
eu-
eucaine
eucalyptol
eucalyptus
eucharis
euchologion
euchology
euchre
euchromatin
euchromosome
eudemon
eudemonia
eudemonics
eudemonism
eudiometer
eugenics
eugenol
euglena
euhemerism
euhemerize
eulachon
eulogia
eulogist
eulogistic
eulogium
eulogize
eulogy
eunuch
eunuchize
eunuchoidism
euonymus
eupatorium
eupatrid
eupepsia
euphemism
euphemize
euphonic
euphonious
euphonium
euphonize
euphony
euphoria
euphorbia
euphorbiaceous
euphoria
euphrasy
euphroe
euphuism
euplastic
eureka
eurhythmic
eurhythmics
eurhythm
euripy
euripus
europium
eury-
eurypterid
eurythermal
eurythic
eurythmics
eusporangiate
eutectic
eutectoid
euthanasia
euthenics
eutherian
eutrophic
euxenite
evacuant
evacuation
evacuee
evade
evaginate
evaluate
evanesce
evanescent
evangel
evangelical
evangelicalism
evangelism
evangelist
evangelistic
evangelize
evanish
evaporate
evaporated milk
evaporation
evaporimeter
evaporite
evapotranspiration
evasion
evasive
eve
evection
even
even out
even up
even-handed
even-tempered
evenfall
evenhanded
evening
evening dress
evening gown
evening primrose
evening school
evening star
evenings
evensong
event
eventful
eventide
eventual
eventuality
eventually
eventuate
ever
everglade
evergreen
everlasting
evermore
eversion
evert
evertor
every
every one
everybody
everyday
everyone
everyplace
everything
everyway
everywhere
evict
evictee
evidence
evident
evidential
evidentiary
evidently
evil
evil eye
evil-minded
evildoer
evince
evinceive
eviscerate
evitable
evite
evocation
evocative
evocator
evoke
evolute
evolution
evolutionary
evolutionist
evolve
evonymus
evulsion
evzone
ewe
ewe lamb
ewe-neck
ewer
ex
ex cathedra
ex dividend
ex hypothesi
ex int.
ex libris
ex officio
ex parte
ex post facto
ex voto
ex-serviceman
ex.
exacerbate
exact
exacting
exaction
exactitude
exactly
exaggerate
exaggerated
exaggeration
exaggerative
exalt
exaltation
exalted
exam
examen
examinant
examination
examine
examinee
example
exanimate
exanthema
exarate
exarch
exarchate
exasperate
exasperation
exc.
excaudate
excavate
excavation
excavator
exceed
exceeding
exceedingly
excel
exedra
exegesis
exegete
exegetic
exegetics
exemplar
exemplary
exemplary damages
exempli gratia
exemplification
exemplificative
exemplify
exemplum
exempt
exemption
exenterate
exequatur
exequies
exercise
exerciser
exercitation
exergue
exert
exertion
exuunt
exuunt omnes
exfoliate
exfoliation
exhalant
exhalation
exhale
exhaust
exhaust fan
exhaustion
exhaustive
exhaustless
exhibit
exhibition
exhibitioner
exhibitionism
exhibitionist
exhibitive
exhibitor
exhilarant
exhilarate
exhilaration
exhilarative
exhort
exhortation
exhortative
exhume
exigency
exigent
exigible
exiguous
exile
eximious
exine
exist
existence
existential
existential psychology
existentialism
exit
exo-
exobiology
exocarp
exocentric
exocrine
exocrine gland
exodontics
exodontist
exodus
exoenzyme
exoergic
exogamy
exogenous
exon
exonerate
exophthalmos
exorable
exorbitance
exorbitant
exorcise
exorcism
exorcist
exordium
exoskeleton
exosmosis
exosphere
exospore
exostosis
exoteric
exothermic
exotic
exotic dancer
exotoxin
exp.
expand
expanded
expanded metal
expander
expanding universe theory
expanse
expansible
expansile
expansion
expansion bolt
expansion chamber
expansionism
expansive
expatiate
expatriate
expect
expectancy
expectant
expectation
expected value
expecting
expectorant
expectorate
expectoration
expediency
expedient
expediential
expedite
expedition
expeditionary
expeditious
expel
expellant
expellee
expeller
expend
expendable
expenditure
expense
expense account
expensive
experience
experience table
experienced
experiential
experientialism
experiment
experiment station
experimental
experimentalism
experimentalize
experimentation
expert
expertise
expertism
expertize
expiable
expiate
expiation
expiative
expiationary
expiration
expiratory
expire
expiry
explain
explanation
explanatory
explant
expletive
explicable
explicate
explication
explication de texte
explicative
explicit
explode
exploded view
exploit
exploitation
exploiter
exploration
exploratory
explore
explorer
explosion
explosive
exponent
exponential
exponible
export
exportation
expose
exposed
exposition
expositor
expository
expostulate
expostulation
expostulatory
exposure
exposure meter
expound
express
express rifle
expressage
expression
expressionism
expressive
expressivity
expressly
expressman
expressway
expropriate
expugnable
expulsion
expulsive
expunction
expunge
expurgate
expurgatory
exquisite
exr.
exsanguinate
exsanguine
exscind
exsect
exsert
exsiccate
extipulate
ext.
extend
extended
extended family
extender
extensible
extensile
extension
extension ladder
extensity
extensive
extensometer
extensor
extent
extenuate
extenuation
extenuatory
exterior
exterior angle
exteriorize
exterminate
exterminatory
extern
external
external ear
external-combustion engine
externalism
externality
externalization
externalize
exteroceptor
exterritorial
extinct
extinction
extinctive
extine
extinguish
extinguisher
extirpate
extol
extort
extortion
extortionary
extortionate
extortioner
extra
extra cover
extra dividend
extra-
extrabold
extracanonical
extracellular
extract
extraction
extractive
extractor
extracurricular
extraditable
extradite
extradition
extrados
extragalactic
extragalactic nebula
extrajudicial
extramarital
extramundane
extramural
extraneous
extranuclear
extraordinary
extraordinary ray
extrapolate
extrasensory
extrasensory perception
extrasystole
extraterrestrial
extraterritorial
extraterritoriality
extrauterine
extravagance
extravagancy
extravagant
extravaganza
extravagate
extravasate
extravasation
extravascular
extravehicular
extraversion
extravert
extreme
extreme unction
extremely
extremely high frequency
extremism
extremist
extremity
extricate
extrinsic
extrorse
extroversion
extrovert
extrude
extrusion
extrusive
exuberance
exuberant
exude
exult
extrusive
exultant
exultation
exurb
exurban
exurbanite
exurbia
exuviae
exuviate
eyas
eye
eye rhyme
eye shadow
eye socket
eye splice
eye-catching
eye-opener
eye-opening
eyeball
eyebolt
eyebright
eyebrow
eyebrow pencil
eyecup
eyed
eyeful
eyeglass
eyeglasses
eyehole
eyelash
eyeless
eyelet
eyeleteer
eyelid
eyepiece
eyes left
eyes right
eyeshade
eyeshot
eyesight
eyesore
facet
facetiae
facetious
facia
facial
facial angle
facial index
facial nerve
facies
facile
facile princeps
facilitate
facilitation
facility
facing
facsimile
facsimile telegraph
fact
fact-finding
faction
factional
factious
factitious
factitive
factor
factor analysis
factor of production
factor of safety
factorage
factorial
factoring
factorize
factory
factory farm
factory ship
factotum
factual
facture
facula
facultative
faculty
fad
faddish
faddist
fade
fade-in
fade-out
fadeless
fader
fadge
fading
fado
faeces
faena
faerie
faery
fag
fag end
fagaceous
faggot
faggoting
fagot
fagoting
fahlband
faience
fail
fail-safe
failing
faille
failure
fain
faint
faintheart
fainthearted
faints
fair
fair copy
fair game
fair play
fair sex
fair trade
fair-haired
fair-minded
fair-spoken
fair-trade
fair-trade agreement
fair-weather
fairground
fairing
fairish
fairlead
fairly
fairway
fairy
fairy godmother
fairy ring
fairy tale
fairyland
fait accompli
faites vos jeux
faith
faith healer
faith healing
faithful
faithless
faitour
fake
faker
fakery
fakir
falbalala
falcate
falchion
falciform
falcon
falcon-gentle
falconer
falconet
falconiform
falconry
faldstool
fall
fall among
fall away
fall back
fall behind
fall down
fall for
fall guy
fall in
fall line
fall off
fall on
fall over
fall through
fall to
fall wind
fallacious
fallacy
fallal
fallen
faller
fallfish
fallible
falling band
falling sickness
falling star
falling-out
fallout
fallow
fallow deer
false
false alarm
false cirrus
false dawn
false face
false front
false horizon
false imprisonment
false keel
false relation
false step
false teeth
false vampire
false-card
falsehood
falsetto
falsework
falsify
falsity
faltboat
falter
fam.
fame
famed
familial
familiar
familiar spirit
familiarity
familiarize
family
family Bible
family circle
family court
family doctor
family man
family name
family planning
family skeleton
family tree
famine
famish
famished
famous
famulus
fan
fan dance
fan mail
fan palm
fan tracery
fan vaulting
fan window
fan worm
fan-tan
fanatic
fanatical
fanaticism
fanaticize
fancied
fancier
fanciful
fancy
fancy diving
fancy dress
fancy man
fancy woman
fancy-free
fancywork
fandango
fane
fanfare
fanfaron
fanfaronade
fang
fango
fanion
fanjet
fanlight
fanny
fanon
fantail
fantasia
fantasist
fantasize
fantasm
fantast
fantastic
fantastically
fantasy
fantoccini
fatback
fate
fated
fateful
father
father confessor
father figure
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
fath.
fathead
father confessor
father image
father-in-law
fatherhood
fatherland
fatherless
fatherly
fath.
feeler
doer gauge
feeling
feet
feeze
feign
feigned
feint
feints
feisty
felafel
feldspar
felicific
felicitate
felicitation
felicitous
felicity
felid
feline
fell
fellah
fellatio
feller
fellmonger
felloe
fellow
fellow creature
fellow feeling
fellow traveler
fellowman
fellowship
felly
felo-de-se
felon
felonious
felony
felsite
felspar
felt
felting
felucca
fem.
female
female impersonator
female suffrage
feme
feme covert
feme sole
feminacy
feminicity
feminine
feminine caesura
feminine ending
feminine rhyme
femininity
feminism
feminize
femme
femme de chambre
femme fatale
femoral
femur
fen
fence
fence-sitter
fencer
fencible
fencing
fend
fender
fenestella
fenestra
fenestrated
fenestration
fenland
fennec
fennel
fennelflower
fenny
fenugreek
feoff
feoffee
fer-de-lance
feral
ferbam
fere
feretory
feria
ferial
ferine
ferity
fermata
ferment
fermentation
fermentative
fermi
fermion
fermium
fern
fern seed
fernery
ferocious
ferocity
ferrate
ferreous
ferret
ferret badger
ferri-
ferriage
ferric
ferric oxide
ferricyanic acid
ferricyanide
ferriferous
ferrite
ferritin
ferro-
ferrocene
ferrochromium
ferroconcrete
ferrocyanic acid
ferrocyanide
ferroelectric
ferromagnesian
ferromagnetic
ferromagnetism
ferromanganese
ferrosilicon
ferrotype
ferrous
ferruginous
ferrule
ferry
ferryboat
ferryman
fertile
fertility
fertility cult
fertility symbol
fertilization
fertilize
fertilizer
ferula
fibrosis
fibrous
fibrovascular
fibster
fibula
fiche
fichu
fickle
fico
fictile
fiction
fictional
fictionalize
fictionist
fictitious
fictive
fid
fiddle
fiddle pattern
fiddle-de-dee
fiddle-faddle
fiddlehead
fiddler
fiddler crab
fiddlestick
fiddlewood
fiddling
fideicommissary
fideicommissum
fideism
fidelity
fidge
fidget
fidgety
fiducial
fiduciary
fidus Achates
fie
fief
field
field army
field artillery
field battery
field captain
field corn
field day
field emission
field event
fighter-bomber
fighting chance
fighting cock
fighting fish
fighting top
figment
figural
figurant
figurate
figurate number
figuration
figurative
figure
figure of eight
figure of speech
figure on
figure out
figure skating
figure-ground
figured
figured bass
figurehead
figurine
figwort
filagree
filament
filamentary
filamentous
filar
filaria
filariasis
filature
filbert
filch
file
filefish
filet
filet lace
filet mignon
filial
filiate
filiation
filibeg
filibuster
filicide
filiform
filigree
filigreed
filing
gliter clerk
filings
fill
fill in
fill out
fill up
fill-in
fillagree
fille de chambre
fille de joie
filled gold
filler
fillet
filling
filling station
fillip
fillister
filly
film
film library
film pack
film star
filmdom
filmy
filoplume
filose
fils
filter
filter bed
filter paper
filter tip
filterable
filth
filthy
filthy lucre
filtrate
filtration
filum
fimble
fimbria
fimbriate
fimbriation
fin
fin keel
fin.
finable
finagle
final
final cause
finale
finalism
finalist
finality
finalize
finally
finance
finance bill
finance company
financial
financier
finback
finch
find
finder
finding
fine
fine art
fine print
fine structure
fine-cut
fine-draw
fine-drawn
fine-grain
fine-grained
fine-tooth comb
fineable
finely
fineness
fineness ratio
finer
finery
fines herbes
finespun
finesse
finfoot
finger
finger bowl
finger painting
finger post
finger wave
fingerboard
fingerbreadth
fingered
fingerling
fire irons
fire marshal
fire opal
fire power
fire red
fire resistance
fire sale
fire screen
fire ship
fire station
fire tower
fire trench
fire wall
fire-cure
fire-eater
fire-new
fire-resistant
firearm
fireback
fireball
firebird
fireboard
fireboat
firebox
firebrand
firebrat
firebreak
firebrick
firebug
firecracker
firecrest
firedamp
firedog
firedrake
firefly
fireguard
firehouse
fireless cooker
firelock
fireman
fireplace
fireplug
firepower
fireproof
fireproofing
firer
fireside
firestone
firetrap
firewarden
firewater
fireweed
firewood
firework
fireworks
fireworm
firing
firing line
firing order
firing pin
firing squad
firkin
firm
firmament
firmer chisel
firm
firry
first
first aid
first base
first cause
first class
first cousin
first edition
first estate
first floor
first fruits
first lady
first lieutenant
first mate
first mortgage
first name
first offender
first officer
first person
first post
first principle
first quarter
first reading
first refusal
first sergeant
first string
first water
first-born
first-class
first-day cover
first-degree burn
first-foot
first-nighter
first-rate
firsthand
firstling
firstly
firth
fisc
fiscal
fiscal year
fish
fish and chips
fish cake
fish fry
fish hawk
fish joint
fish ladder
fish louse
fish meal
fish out
fishbolt
fishbowl
fisher
fisherman
fisherman's bend
fishery
fisheye lens
fishgig
fishhook
fishing
fishing rod
fishing smack
fishing tackle
fishmonger
fishnet
fishplate
fishskin disease
fishtail
fishwife
fishworm
fishy
fissi-
fissile
fission
fission bomb
fissionable
fissiparous
fissirostral
fissure
fissure of Rolando
fissure of Sylvius
fist
fistic
fisticuffs
fistula
fistulous
fit
fit in
fit out
fit up
fitch
fitful
fitly
fitment
fitted
fitter
fitting
five
five hundred
five senses
five-and-ten
five-finger
five-spot
five-star
fivefold
fivepenny
fiver
fives
fix
fix up
fixate
fixation
fixative
fixed
fixed assets
fixed capital
fixed charge
fixed idea
fixed oil
fixed price
fixed satellite
fixed star
fixed-do system
fixer
fixing
fixity
fixture
fizzgig
fizz
fizzle
fizzy
fjeld
fl.
fl. dr.
fl. oz.
flabbergast
flabby
flabellate
flabellum
flaccid
flack
flacon
flag
flag day
flag of convenience
flag of truce
flag officer
flag rank
flag-waving
flagella
flagellant
flagellate
flagelliform
flagellum
flageolet
flagging
flaggy
flagitious
flagman
flagon
flagpole
flagrant
flagrante delicto
flagship
flagstaff
flagstone
flail
flair
flak
flak jacket
flake
flake out
flake white
flaky
flam
flambeau
flamboyant
flame
flame cell
flame-out
flamen
flamenco
flameproof
flamethrower
flaming
flamingo
flammable
flan
flanch
flange
flank
flanker
flannel
flannel cake
flannelette
flap
flapdoodle
flapjack
flapper
flare
flare-up
flaring
flash
flash burn
flash card
flash flood
flash gun
flash lamp
flash photography
flash point
flashback
flashboard
flashbulb
flashcube
flasher
flashgun
flashing
flashing point
flashlight
flashover
flavorous
flavorsome
flavory
flavour
flavourful
flavouring
flaw
flawed
flawy
flax
flaxen
flaxseed
flay
fld.
flea
flea beetle
flea market
flea-bitten
fleabag
fleabane
fleabite
fleam
fleawort
fleck
flection
fled
fledge
fledgling
fledgy
flee
fleece
fleecy
fleer
fleet
fleet admiral
fleeting
flense
flesh
flesh and blood
flesh color
flesh fly
flesh wound
flesher
fleshings
fleshly
fleshpots
fleshy
fletch
flip-flop
flippant
flipper
flirt
flirtation
flirtatious
flit
flitch
flite
flitter
flittermouse
flitting
flivver
float
float glass
float-feed
floatable
floatage
floatation
floater
floating
floating dock
floating heart
floating island
floating policy
floating rib
floating stock
floatplane
floats
floatstone
floaty
floc
floccose
flocculant
flocculate
floccule
flocculent
flocculus
flocus
flock
flocky
floe
flog
flogging
flong
flood
flood control
flood insurance
flood lamp
flood plain
flood tide
flooded
floodgate
floodlight
floor
floor broker
floor lamp
floor leader
floor manager
floor plan
floor show
floor trader
floorage
floorboard
floorer
flooring
flooring saw
floorman
floorwalker
floozy
flop
flop-eared
flophouse
floppy
flor.
flora
floral
floral envelope
floreated
florescence
floret
floriated
floribunda
floriculture
florid
florilegium
florin
florist
floristic
floruit
flory
flos ferri
flossy
flotage
flotation
flotilla
flotsam
flotsam and jetsam
flounce
flounder
flour
flour mill
flourish
flourishing
floury
flout
flow
flow chart
flow sheet
flowage
flower
flower girl
flower head
flower power
flower-de-luce
flowerage
flowered
flowerer
floweret
flowering
flowering maple
flowering moss
flowering plant
flowerless
flowerlike
flowerpot
flowery
flowing
flown
flu
flub
fluctuant
fluctuate
fluctuation
flue
flue pipe
flue stop
flue-cure
fluency
fluent
fluff
fluffy
fluter
fluting
flutist
flutter
flutter kick
flutterboard
fluttery
fluivial
fluviatile
fluviomarine
flux
flux density
fluxion
fluxmeter
fly
fly agaric
fly ash
fly casting
fly gallery
fly rod
fly sheet
fly-by-night
fly-fish
flyaway
flyback
flyblow
flyblown
flyboat
flycatcher
flyer
flying
flying boat
flying bomb
flying boxcar
flying bridge
flying buttress
flying circus
flying column
flying doctor
flying dragon
flying field
flying fish
flying fox
flying frog
flying gurnard
flying jib
flying jib boom
flying lemur
flying lizard
flying machine
flying mare
flying phalanger
flying saucer
flying squad
flying squirrel
flying start
flying wing
flyleaf
flyman
flyover
flypaper
flyspeck
flyte
flytrap
flyweight
flywheel
fm.
fo'c's'le
fo'c'sle
fo.
foal
foam
foam rubber
foamflower
foamy
fob
fob off
focal
focal infection
focal length
focal plane
focal point
focal ratio
focalize
focus
fodder
foe
foehn
foeman
foetation
foeticide
foetid
foetor
foetus
fog
fog bank
fog bell
fog drip
fog light
fog signal
fogbound
fogbow
fogdog
fogged
foggy
foghorn
fogy
foible
foie gras
foil
foiled
foilsman
foin
foison
foist
fol.
folacin
fold
fold up
foldaway
foldboat
folded dipole
folder
folderol
folding door
folding money
folia
foliaceous
foliage
foliar
foliate
foliated
foliation
folic acid
folie
folio
foliolate
foliote
foliose
folium
folk
folk dance
folk etymology
folk medicine
folk music
folk singer
folk singing
folk song
folk tale
folk-rock
folklore
folkmoot
folksy
folkway
folkways
foll.
follicle
follicle-stimulating hormone
folliculin
follow
follow out
follow through
follow up
follow-through
follow-up
follower
following
folly
foment
fomentation
fond
fondant
fondle
fondly
fondness
fondue
fons et origo
font
fontanel
food
food chain
food poisoning
foodstuff
foofaraw
fool
fool's cap
fool's errand
fool's gold
fool's paradise
fool's-parsley
fooler
foolhardy
foolish
foolproof
foolscap
foot
foot brake
foot fault
foot rot
foot rule
foot soldier
foot warmer
foot-and-mouth disease
foot-candle
foot-lambert
foot-pound
foot-pound-second
foot-poundal
foot-ton
footage
football
footboard
footboy
footbridge
footcloth
footed
footer
footfall
footgear
foothill
foothold
footie
footing
footle
footless
footlight
footlights
footling
footlocker
footloose
footman
footmark
footnote
footpace
footpad
footpath
footplate
footprint
footrace
footrest
footrope
footsie
footslog
footsore
footstalk
footstall
footstep
footstone
footstool
footwall
footway
footwear
footwork
footworn
footy
foozle
fop
foppery
foppish
for
for-
for.
forage
forage cap
foramen
foramen magnum
foraminifer
forasmuch as
foray
forayer
forb
forbade
forbear
forbearance
forbid
forbiddance
forbidden
forbidden fruit
forbidding
forbore
forborne
forby
force
force majeure
force pump
force-feed
forced
forced landing
forced march
forceful
forcemeat
forceps
forcer
forcible
forcing house
ford
fordo
fordone
fore
fore edge
fore plane
fore-
fore-and-aft
fore-and-aft sail
fore-and-after
fore-topgallant
fore-topgallant mast
fore-topmast
fore-topsail
forearm
forebear
forebode
foreboding
forebrain
forecast
forecastle
foreclose
foreclosure
foreconscious
forecourse
forecourt
foredate
foredeck
foredo
foredoom
forefather
forefend
forefinger
forefoot
forefront
foregather
foreglimpse
forego
foregoing
foregone
foregone conclusion
foreground
foregut
forehand
forehanded
forehead
foreign
foreign affairs
foreign aid
foreign bill
foreign correspondent
foreign exchange
foreign minister
foreign mission
foreign office
foreign service
foreign-born
foreigner
foreignism
forejudge
foreknow
foreknowledge
forelady
foreland
foreleg
forelimb
forelock
foreman
foremast
foremost
forename
forenamed
forenoon
forensic
forensic chemistry
forensic medicine
forensic psychiatry
forensics
foreordain
foreordination
forepart
forepaw
forepeak
foreplay
forepleasure
forequarter
forequarter
forerun
forerunner
foresaid
foresail
foresee
foreshadow
foreshank
foresheet
foreshore
foreshorten
foreshow
foreside
foresight
foreskin
forespeak
forespent
forest
forest ranger
forest reserve
forestage
forestall
forestation
forestay
forestaysail
forester
forestry
foretaste
foretell
forethought
forethoughtful
foretime
foretoken
foretooth
foretop
forever
forevermore
forewarn
forewent
forewing
forewoman
foreword
foreworn
foreyard
forfeit
forfeiture
forfend
forficate
forgat
forgather
forgave
formication
formidable
formless
formula
formulaic
formularize
formulary
formulate
formulism
formwork
fornyl
fornicate
fornication
fornix
forsake
forsaken
forsook
forsooth
forspent
forsterite
forswear
forsworn
forsythia
fort
fort.
fortalice
forte
forte-piano
forth
forthcoming
forthright
forthwith
fortieth
fortification
fortified wine
fortify
fortis
fortissimo
fortitude
fortnight
fortnightly
fortress
fortuitism
fortuitous
fortuity
fortunate
fortune
fortune cookie
foulard
foulmouthed
foulness
foumart
found
foundation
foundation garment
foundation stone
founder
founders’ shares
foundling
foundry
foundry proof
fount
fountain
fountain pen
fountainhead
four
four flush
four-cycle
four-dimensional
four-eyed fish
four-flush
four-handed
four-in-hand
four-leaf clover
four-legged
four-letter word
four-o’clock
four-poster
four-way
four-wheeler
fourchette
fourflusher
fourfold
fourgon
fourpence
fourpenny
fourscore
foursome
foursquare
fourteen
fourteenth
fourth
fourth dimension
fourth estate
fourth-class
fourthly
fovea
centralis
foveola
fowl
fowling
fowling piece
fox
fox grape
fox hunting
fox squirrel
fox terrier
fox trot
fox-trot
foxed
foxglove
foxhole
foxhound
foxing
foxtail
foxy
foyer
fp
fr.
fracas
fraction
fractional
fractional currency
fractional distillation
fractionate
fractionize
fractious
fractocumulus
fractostratus
fracture
frae
fraenum
frag
fragile
fragment
fragmental
fragmentary
fragmentation
fragmentation bomb
fragnance
fragrant
frail
frailty
fraise
frambesia
framboise
frame
frame aerial
frame house
frame line
frame of reference
frame-up
framework
framing
franc
franc-tireur
franchise
francium
francolin
frangible
frangipane
frangipani
frank
frankalmoign
frankforter
frankfurter
frankincense
franklin
franklinite
frankly
frankness
frankpledge
frantic
frap
frater
fraternal
fraternal insurance
fraternity
fraternity house
fraternize
fratricide
fraud
fraudulent
fraught
fraxinella
fray
frazil
frazzle
frazzled
freak
freak of nature
freak out
freakish
freaky
freckle
freckle-faced
freckly
free
free agent
free alongside ship
free association
free balloon
free city
free coinage
free companion
free company
free energy
free enterprise
free fall
free form
free gold
free hand
free house
free list
free liver
free love
free on board
free port
free radical
free rider
free silver
free socage
free speech
free thought
free throw
free trade
free verse
free will
free zone
free-floating
free-for-all
free-handed
free-hearted
free-living
free-spoken
free-swimming
freeboard
freeboot
freebooter
freeborn
frequency
frequency band
frequency distribution
frequency modulation
frequent
frequentation
frequentative
frequently
fresco
fresh
fresh breeze
fresh gale
freshen
fresher
freshet
freshman
freshwater
fresnel
fret
fret saw
fretful
fretted
fretwork
friable
friar
friar's lantern
friarbird
friary
friable
fricandeau
fricassee
frication
fricative
friction
friction clutch
friction match
friction tape
frictional
fridge
fried
friedcake
friend
friend at court
friendly
friendship
frier
frieze
frig
frigate
frigate bird
frigging
fright
frighten
frightened
frightful
frightfully
frigid
frigidarium
frigorific
frijol
frill
frilling
fringe
fringe benefit
fringe tree
fringed orchis
fringing reef
frippery
frisette
friseur
frisk
frisket
frisky
frit
frit fly
frith
fritillary
fritter
frivol
frivolity
frivolous
frizette
frizz
frizzle
frizzly
frizzy
fro
frock
frock coat
froe
frog
frog kick
frog spit
frogfish
froggy
froghopper
froward
frown
frowst
frowsty
frowsy
frowzy
froze
frozen
frozen pudding
frt.
fructiferous
fructification
fructificative
fructify
fructose
fructuous
frug
frugal
frugivorous
fruit
fruit cup
fruit fly
fruit knife
fruit salad
fruit sugar
fruit tree
fruitage
fruitarian
fruitcake
fruiter
fruiterer
fruitful
fruition
fruitless
fruity
frumentaceous
frumenty
frump
frumpish
frumpy
frustrate
frustrated
frustration
frustule
frustum
frutescent
fry
fryer
frying pan
ft-lb
ft.
ft.
ft.
fubsy
fuchsia
fuchsia
fuchsine
fucoid
fucus
fuddle
fuddy-duddy
fudge
fuel
fuel cell
fuel injection
fuel oil
fug
fugacious
fugacity
fugal
fugato
fugitive
fugleman
fugue
fulcrum
fulfil
fulfill
fulfillment
fulgent
fulgor
fulgurant
fulgurate
fulgurating
fulguration
fulgurite
fulgurous
fuliginous
full
full blood
full dress
full house
full moon
full nelson
full professor
full sail
full score
full stop
full swing
full tilt
full time
full-blooded
full-blown
full-bodied
full-faced
full-fledged
full-grown
full-length
full-mouthed
full-rigged
full-scale
full-time
fullback
fuller
fuller's earth
fuller's teasel
fully
fulmar
fulminating
fulminate
fulminating powder
fulmination
fulminic acid
fulminous
fusible
fulvous
fumaric acid
fumarole
fumatorium
fumble
fume
fumed
fumigant
fumigate
fumigator
fumitory
fumy
fun
funambulist
function
function word
functional
functional calculus
functional disease
functional group
functional illiterate
functionalism
functionary
fund
fundament
fundamental
fundamental particle
fundamental unit
fundamentalism
funded debt
funds
fundus
funeral
funeral director
funeral home
funerary
funereal
funest
fungal
fungi
fungi-
fungible
fungicide
fungiform
fungistat
fungoid
fungosity
fungous
fungus
funicle
funiclar
funicular
funicular railway
funiculate
funicus
funk
funk hole
funky
funnel
funnel cloud
funneliform
funny
funny bone
funny paper
funnyman
fur
fur farm
fur seal
fur.
furan
furbelow
furbish
furcate
furcula
furculum
furfur
furfuraceous
furfural
furfuran
furious
furl
furlana
furlong
furlough
furmenty
furnace
furnish
furnishing
furnishings
furniture
furor
fureore
furred
furrier
furriery
furring
furrow
furry
further
furtherance
furthermore
furthermost
furthest
furtive
furuncle
furunculosis
fury
furze
fusain
fuscous
fuse
fused quartz
fusee
fusel oil
fuselage
fusibility
fusible
fusible metal
fusiform
fusil
fusilier
fusillade
fusion
fusion bomb
fusionism
fuss
fussbudget
fusspot
fussy
fustanella
fustian
fustic
fustigate
fusty
fut.
futhark
futile
futilitarian
futility
futtock
futtock plate
futtock shroud
future
future life
future perfect
futures
futurism
futuristic
futurity
fuze
fuzee
fuzz
fuzzy
fwd.
fyke
fylfot
fyrd
g
g.
g.u.
g.v.
gab
gabardine
gabble
gabbro
gabby
gabelle
gala
galactagogue
galactic
galactic circle
galactic coordinates
galactic equator
galactic latitude
galactic longitude
galactic plane
galactic poles
galacto-
galactometer
galactopoietic
galactose
galah
galangal
galantine
galanty show
galatea
galaxy
galbanum
gale
galeza
galeiform
galena
galenical
galilee
galimatias
galingale
galiot
galipot
gall
gall midge
gall wasp
gallant
gallantry
gallbladder
galleass
galleon
gallery
gallery forest
galley
galley proof
galley slave
galley-west
gallfly
galliard
gallic
gallic acid
galligaskins
gallimaufry
gallinacean
gallinaceous
galling
gallinule
galliot
gallipot
gallium
gallivant
galliwas
gallnut
galloglass
gallon
gallonage
galloon
galoot
gallop
gallopade
galloping
gallous
gallows
gallows bird
gallows humor
gallows tree
gallstone
galluses
galoot
galop
galore
galosh
galoshes
galumph
galvanic
galvanic pile
galvanism
galvanize
galvanized iron
galvano-
galvanometer
galvanoscope
galvanotropism
galyak
gam
gama grass
gamb
gamba
gambado
gambeson
gambier
gambit
gamble
gambling house
gamboge
gambol
gambrel
gambrel roof
game
game bird
game fish
game fowl
game point
game room
game theory
game warden
gamecock
gamekeeper
gamelan
gamely
gameness
gamesmanship
gamesome
gamester
gametangium
gamete
gameto-
gametocyte
gametogenesis
gametophore
gametophyte
gamic
gamin
gamine
gaming
gamma
gamma globulin
gamma iron
gamma radiation
gamma ray
gammadion
gammer
gammon
gammy
gamo-
gamogenesis
gamone
gamopetalous
gamophyllous
gamosepalous
gamp
gamut
gamy
gan
gander
gandy dancer
ganef
gang
gang plow
gang saw
gangboard
ganger
gangland
gangling
ganglion
gangplank
gangrel
gangrene
gangster
gangue
gangway
gangway ladder
ganister
ganja
gannet
ganof
ganoid
gantlet
gantline
gantry
gaol
gap
gap-toothed
gape
gapes
gapeworm
gapped scale
gar
garage
garb
garbage
garbage can
garbage truck
garbanzo
gas
gas attack
gas black
gas burner
gas chamber
gas coal
gas constant
gas engine
gas fitter
gas fixture
gas furnace
gas gangrene
gas jet
gas log
gas main
gas mantle
gas mask
gas meter
gas oil
gas plant
gas range
gas station
gas thermometer
gas tube
gas turbine
gas well
gasbag
gasconade
gaselier
gaseous
gash
gasholder
gasiform
gasify
gasket
gaskin
gaslight
gaslit
gasman
gasolier
gasoline
gasometer
gasometry
gasp
gasper
gasser
gassing
gassy
gasteropod
gastight
gastralgia
gastrectomy
gastric
gastric juice
gastric ulcer
gastrin
gastritis
gastro-
gastrocnemius
gastroenteritis
gastroenterology
gastroenterostomy
gastrointestinal
gastrolith
gastrology
gastronome
gastronomy
gastropod
gastroscope
gastrostomy
gastroscopy
gastrotrich
gastrovascular
gastrula
gastrulation
gasworks
gat
gate
gate-crasher
gate-leg table
gatefold
gatehouse
gatekeeper
gatepost
gateway
gather
gathering
gauche
gaucerie
gauche
gaudo
gauder
gaudy
gauffer
gauge
gauger
general officer
general paralysis
general partner
general post office
general practitioner
general semantics
general sessions
general staff
general store
general strike
general theory of relativity
generalissimo
generalist
generality
generalization
generalize
generally
generalship
generate
generation
generative
generative grammar
generator
generatrix
generic
generosity
generous
genesis
genet
genethlialogy
genetic
genetic code
geneticist
genetics
geneva
genial
geniality
genic
geniculate
genie
genii
genip
genipap
genista
genit.
genital
genitalia
genitals
geodesic
gedesic dome
gedesy
gedetic
gedynamics
ged.

gedognosy
gedographer
gedographical
gedographical mile

gedygraphy
gedoid
gedol.
gedologize
gedology
gedom.
gedomancer
gedomancy
gedometer
gedometric
gedometric mean
gedometric progression
gedometric ratio
gedometric series
gedometrical optics
gedometrician
gedereid
gedereimize
gedereometry
gedereomorphic
gedereomorphology
gedereophagy
gedereophilous
gedereophysics
gederephyte
gederepolitics
gedereponic
gedereponics
gedereorama
gedereogic
gedereosphere
gedereostatic
gedereostatics
gedereostrophic
gedereosynclinal
gedereosyncline
gedereotaxis
gedereotectonic
geotectonic geology
geothermal
geotropism
ger.
gerah
geraniaceous
geranial
geranium
geratology
gerbil
gerent
gerenuk
gerfalcon
geriatric
geriatrician
geriatrics
germ
germ cell
germ layer
germ plasm
germ theory
germ warfare
german
germander
germane
germanic
germanium
germanous
germen
germicide
germinal
germinal vesicle
germinant
germinate
germinative
geront-o-
gerontocracy
gerontology
gerrymander
gerund
gerundive
gesellschaft
gesso
gest
gestalt
gestate
gestation
gesticulate
gesticulation
gesticulative
gesticulatory
gesture
gesundheit
get
get about
get across
get ahead
get along
get around
get at
get away
get back
get by
get down
get in
get into
get off
get on
get over
get round
get through
get up
get-together
get-up-and-go
getaway
getter
getup
geum
gewgaw
gey
geyser
geyserite
gharry
ghastly
ghat
ghazi
ghee
gherkin
ghetto
ghost
ghost dance
ghost moth
ghost town
ghost word
ghostly
ghostwrite
ghoul
ghyll
gi.
giant
giant panda
giant powder
giant star
giant tortoise
giantess
giantism
giaour
gib
gibber
gibberellic acid
gibberish
gibbet
gibbon
gibbosity
gibbous
gibbsite
gibe
giblet
giblets
gid
giddy
gie
gift
gift of gab
gift of tongues
gift tax
gifted
gig
giga-
gigahertz
gigantean
gigantic
gigantism
giggle
gigolo
gigot
gigue
gilbert
gild
gilded
gilder
gilding
gilgai
gill
girdle
girdle-tailed lizard
girdler
girl
girl Friday
girlfriend
girlhood
girle
girlish
giro
girosol
girt
girth
gisarme
gismo
gist
git
gittern
give
give away
give in
give off
give out
give over
give up
give-and-take
giveaway
given
given name
gizmo
gizzard
gl.
glabella
glabrate
glabrescent
glabrous
glace
glacial
glacial acetic acid
glacial epoch
glacial period
glacialist
glaciate
glacier
glaciology
glacis
glad
glad eye
glad hand
glad rags
gladden
glade
gladiate
gladiator
gladiatorial
gladiolus
gladsome
glaikit
glaire
glaive
glamorize
glamorous
glamour
glance
gland
glanders
glandular
glandular fever
glandule
glandulous
glans
glare
glaring
glary
glass
glass cutter
glass harmonica
glass jaw
glass snake
glass wool
glassblowing
glasses
glassful
glasshouse
glassine
glassman
glassware
glasswork
glassworker
glassworks
glasswort
glassy
glaucous
glaucoma
glaucist
glaucous
glaucous gull
glaze
glazed
glazer
glazier
gazing
gleam
glean
gleaning
gleanings
glebe
glede
glee
glee club
gleeful
gleeman
glessome
gleet
glen
glengarry
glenoid
gley
glia
gliadin
glib
glide
glide bomb
glide-bomb
glider
gliding joint
glim
glimmer
glimmering
glimpse
glint
glioma
glissade
glissando
glisten
glieter
glitter
glitter ice
glittery
gloam
gloaming
gloat
glob
global
globate
globe
globe-trotter
globefish
globeflower
globetrotter
globigerina
globin
globoid
globose
globular
globule
globuliferous
globulin
glochidiate
glochidium
glockenspiel
glomerate
glomeration
glomerule
glomerulonephritis
glomerulus
gloom
glooming
gloomy
glop
glorification
glorify
gloriole
glorious
glory
glory hole
glory-of-the-snow
gloss
gloss.
glossa
glossal
glossary
glissator
glossectomy
glossematics
glosseme
glossitis
glosso-
glossographer
glossography
glossolalia
glossology
glossopharyngeal nerve
glossotomy
glossy
glottal
glottal stop
glottalized
glottic
glottis
glottochronology
glottology
glove
glove compartment
glover
glow
glow discharge
glow lamp
glower
glowing
glowworm
gloxinia
gloze
glt.
glucinum
gluconeogenesis
glucoprotein
glucose
glucoside
glucosuria
glue
gluey
glum
glume
glut
glutamate
glutamic acid
glutamine
 glutathione
 gluteal
 glutelin
 gluten
 gluten bread
 glutinous
 gluteus
 gluteus maximus
 glutinous
 glutton
 gluttonize
gluttonous
gluttony
glyceric
glyceric acid
glyceride
glycerin
glycerinate
glycerite
glycerol
glyceryl
glyceryl trinitrate
glycine
glyco-
glycogen
glycogenesis
glycol
glycolic acid
glycolysis
glyconeogenesis
glycoprotein
glycoside
glycosuria
glyoxaline
glyph
glyphography
glyptic
glyptics
glyptodont
glyptograph
glyptography
gnarl
gnarled
gnarly
gnash
gnat
gnatcatcher
gnathic
gnathion
gnathonic
gnaw
gnawing
gneiss
gnome
gnomic
gnomon
gnosis
gnostic
gnotobiotics
gnu
go
go about
go against
go ahead
go along
go around
go at
go away
go back
go by
go down
go for
go forth
go in
go into
go off
go on
go out
go over
go slow
go through
go to
go together
go under
go up
go with
go-ahead
go-between
go-by
go-cart
go-devil
go-getter
go-go dancer
goa
goad
goal
goal line
goal post
goalie
goalkeeper
goaltender
goat
goat antelope
goat's-rue
goatee
goatfish
goatherd
goatish
goatsbeard
goatskin
goatsucker
gob
gobang
gobbet
gobble
gobbledegook
gobbledygook
gobbler
gobiod
goblet
goblin
gobo
goby
god
godchild
goddamn
goddamned
goddaughter
goddess
godfather
godforsaken
godhead
godhood
godless
godlike
godly
godmother
godown
godparent
godroon
godsend
godship
godson
godwit
geer
goethite
goffer
goggle
goggle-eyed
goggler
goggles
goglet
goglet
going
going-over
goings-on
goiter
gold
gold basis
gold beetle
gold certificate
gold digger
gold dust
gold fever
gold foil
gold leaf
gold mine
gold mining
gold note
gold plate
gold point
gold reserve
gold rush
gold standard
gold-exchange standard
gold-filled
gold-of-pleasure
gold-plate
goldarn
goldarned
goldbeater's skin
goldbrick
goldcrest
golden
golden age
golden aster
golden calf
golden chain
golden eagle
golden goose
golden mean
golden oriole
golden pheasant
golden plover
golden retriever
golden rule
golden section
golden syrup
golden wattle
goldeneye
goldenrod
goldenseal
goldeye
goldfinch
goldfish
goldilocks
goldsmith
goldsmith beetle
goldstone
goldthread
golem
golf
golf bag
golf ball
golf club
golf course
golfer
goliard
golly
gomboon
gomphosis
gomuti
gon-
gonad
gonadotropin
gondola
gondola car
gondolier
gone
gone away
goneness
goner
gonfalon
gonfalonier
gonfanon
gong
gong buoy
gonidium
goniometer
gonion
gonna
gono-
gonococcus
gonocyte
gonophore
gonorrhea
goo
goober
good
good Joe
good Samaritan
good afternoon
good behavior
good cheer
good day
good egg
good evening
good faith
good fellow
good humor
good looks
good morning
good nature
good night
good offices
good sort
good turn
good use
good-bye
good-fellowship
good-for-nothing
good-humored
good-looking
good-natured
good-oh
good-sized
good-tempered
goodbye
goodish
godly
godman
goodness
goods
goods and chattels
goodwife
goodwill
goody
goody-goody
gooe
goof
goofball
goofy
googly
googol
googolplex
gook
goon
gooney bird
goop
goosander
goose
goose barnacle
goose flesh
goose grass
goose grease
goose pimples
goose step
goose-step
gooseberry
goosefish
gooseflesh
goosefoot
goosegog
gooscherd
gooseneck
goosy
gopak
gopher
gopher snake
gopher wood
gopherwood
goral
gorblimey
gorcock
gore
gorge
gorged
gorgeous
gorgerin
gorget
gorgoneion
gorilla
goring
gormand
gormandize
gormless
gorse
gory
gosh
goshawk
gosling
gospel
gospel truth
gospodin
gosport
gossamer
gossip
gossipmonger
gradate
gradatim
gradation
grade
grade crossing
grade school
gradely
grader
gradient
gradin
gradual
gradualism
graduate
graduate nurse
graduate school
graduated
graduation
gradus
graffito
graft
graft hybrid
grafting
graham
graham cracker
graham flour
grain
grain alcohol
grain elevator
grained
grainfield
grains of paradise
grainy
grallatorial
gram
gram atom
gram calorie
gram equivalent
gram molecule
gram.
grama grass
gramarye
gramercy
gramicidin
gramineous
graminivorous
grammalogue
grammar
grammar school
grammarian
grammatical
grammatical gender
grammatical meaning
gramme
gramps
grampus
granadilla
granary
grand
grand duchess
grand duchy
grand duke
grand jury
grand larceny
grand mal
grand opera
grand piano
grand slam
grand tour
grand vizier
grand-
grandam
grandaunt
grandchild
granddad
granddaddy
granddaughter
grande dame
grandee
grandeur
grandfather
grandfather clause
grandfather clock
grandfatherly
grandiloquence
grandiloquent
grandiose
grandioso
grandma
grandmamma
grandmother
grandmotherly
grandnephew
grandniece
grandpa
grandpapa
grandparent
grandsire
grandson
grandstand
granduncle
grange
granger
grangerize
granigranite
graniteware
granitite
granivorous
granny
granny knot
grano-
granophyre
grant
grant-in-aid
grantee
grantor
granular
granulate
granulated sugar
granulation
granulation tissue
granule
granulite
granulocyte
granuloma
granulose
grape
grape fern
grape hyacinth
grape sugar
grapefruit
grapery
grapeshot
grapevine
graph
graph paper
grapheme
graphemics
graphic
graphic arts
graphics
graphite
graphitize
graphology
graphomotor
grapnel
grappa
grapple
grapple plant
grappling
grappling iron
graptolite
grap
grasping
grass
green
grass cloth
green court
green hockey
green roots
green snake
green tree
green widow
green-green
green-of-Parnassus
greenhopper
greensland
greenplot
greenquit
greeny
grate
greenful
greater
grate
cule
gratification
gratify
gratifying
gratin
grating
green
great
greatitude
greatuous
greatuity
greatulant
greatulate
greatulation
greatpel
greatamen
greate
greateclothes
greatedigger
great
gravel
gravel-blind
greasewood
greasy
greasy spoon
great
great ape
great auk
great calorie
great circle
great council
great crested grebe
great gross
great pox
great primer
great seal
great tit
great white heron
great year
great-aunt
great-circle sailing
great-grandaunt
great-granduncle
great-nephew
great-niece
great-uncle
greatcoat
greaten
greatest
greatest common divisor
greathearted
greatly
greave
greaves
grebe
gree
greed
greedy
greegree
green
green algae
green bean
green belt
green corn
green dragon
green fingers
green gland
green glass
green heron
green light
green manure
green mold
green monkey
green onion
green pepper
green plover
green soap
green tea
green thumb
green turtle
green vitriol
green woodpecker
green-eyed
greenback
greenbelt
greenbottle fly
greenbrier
greenery
greenfinch
greengage
greengrocer
greengrocery
greenhead
greenheart
greenhorn
greenhouse
greenhouse effect
greening
greenish
greenlet
greenling
greenness
greenockite
greenroom
greensand
greenshank
greensickness
greenstick fracture
greenstone
greensward
greenwood
greet
greeting
gregale
gregarine
gregarious
greige
greisen
grindery
grinding wheel
groundstone
gringo
grip
gripe
grippe
gripper
gripping
gripsack
gris-gris
grisaille
griseofulvin
griseous
grisette
griskin
grisly
grison
grist
gristle
gristly
gristmill
grit
gri
grits
gritty
grivation
grivet
grizzle
grizzled
grizzly
grizzly bear
gro.
groan
groat
groats
grocer
groceries
grocery
groceryman
grog
groggery
groggy
grogram
grogshop
groin
grommet
gromwell
groom
groomsman
groove
grooved
grooving plane
groovy
grope
groping
gros de Londres
gros point
grosbeak
groschen
grosgrain
gross
gross national product
gross profit
gross ton
gross weight
grossularite
grosz
grot
grotesque
grotesquery
grotto
grouch
grouchy
ground
ground bait
ground bass
ground beetle
ground cherry
ground cloth
ground cover
ground crew
ground floor
ground glass
ground hog
ground ice
ground ivy
ground log
ground loop
ground pine
ground plan
ground plate
ground plum
ground rent
ground rule
ground squirrel
ground state
ground stroke
ground swell
ground water
ground wave
ground zero
ground-controlled approach
groundage
grounder
groundhog
groundless
groundling
groundmass
groundnut
groundsel
groundsheets
groundsill
groundspeed
groundwork
group
group insurance
group marriage
group practice
group therapy
grouper
groupie
grouping
grouse
grout
grouty
grove
grovel
grow
grow into
grow out of
grow up
grower
growing
growing pains
growl
growler
grown
grown-up
grownup
growth
growth hormone
growth ring
growth stock
groyne
grozing iron
grub
grub hoe
grubby
grubstake
grudge
grudging
gruel
grueling
gruelling
gruesome
gruff
grugru
grum
grumble
grume
grummet
grumous
grumpy
grunion
grunt
grunter
gryphon
gt.
gtd.
guacharo
guacin
guaco
guaiacol
guaiacum
guan
guanabana
guanaco
guanase
guanidine
guanine
guano
guar.
guarani
guarantee
guaranteed annual wage
guaranteed bond
guaranteed stock
guarantor
guaranty
guard
guard cell
guard hair
guard ring
guard ship
guardant
guarded
guardhouse
guardian
guardian angel
guardianship
guardrail
guardroom
guardsman
guava
guayule
gubernatorial
guberniaya
guck
guddle
gudgeon
gudgeon pin
guelder-rose
guenon
guerdon
guereza
guerrilla
guess
guess-rope
guess-warp
guesstimate
guesswork
guest
guest rope
guesthouse
guff
guffaw
guggle
guib
guidance
guide
guide dog
guide rope
guideboard
guidebook
guided missile
guided missile cruiser
guided wave
guideline
guidepost
guidon
guild
guild socialism
guilder
guildhall
guildsman
guile
guileful
guileless
guillemot
guilloche
guillotine
guilt
guiltless
guilty
guimpe
guinea
guinea fowl
guinea grains
guinea grass
guinea hen
guinea pig
guipure
guise
guitar
guitarfish
guitarist
gula
gulch
gulden
gules
gulf
gulfweed
gull
gullet
gullible
gully
gulosity
gulp
gum
gum ammoniac
gum arabic
gum benzoin
gum dammar
gum elastic
gum elemi
gum plant
gum resin
gum up
gumbo
gumboil
gumbotil
gumdrop
gumma
gumnite
gummnosis
gummous
gummy
gumption
gumshoe
gumwood
gun
gun carriage
gun deck
gun dog
gun for
gun metal
gun moll
gun room
gun tackle
gun-shy
gunboat
guncotton
gunfight
gunfire
gunflint
gung ho
gunk
gunlock
gunmaker
gunner
gunnery
gunning
gunny
gunnysack
gunpaper
gunplay
gunpoint
gunpowder
gunrunning
gunsel
gunshot
gunslinger
gunsmith
gymnastics
gynno-
gymnosophist
gynnosperm
gyn-
gynaeeceum
gynaeco-
gynaecocracy
gynaecology
gynaecomastia
gynandromorph
gynandrous
gynandry
gynarchy
gyneic
gynecium
gyneco-
gynecocracy
gynecoid
gynecologist
gynecology
gyniatrics
gyno-
gynoeicum
gynophore
gyp
gyp joint
gypsophila
gypsum
gypsy moth
gyral
gyrate
gyration
gyratory
gyre
gyrfalcon
gyro
gyro horizon
gyro-
gyrocompass
gyromagnetic
gyromagnetic ratio
gyron
gyronny
gyroplane
gyroscope
gyrose
gyrostabilizer
gyrostat
gyrostatic
gyrostatic compass
gyrostatics
gyrus
gyve
h
h'm
h.
h.a.
h.s.
ha
ha'penny
ha-ha
haaf
haar
habanera
habeas corpus
haberdasher
haberdashery
habergeon
habile
habiliment
habilitate
habit
habit-forming
habitable
habitancy
habitant
habitat
habitation
habited
habitual
habituate
habitude
habitue
hachure
hacienda
hack
hack hammer
hackamore
hackberry
hackbut
hackery
hacking
hacking jacket
hackle
hackle fly
hackman
hackney
hackney coach
hackneyed
hacksaw
had
haddock
hade
hadj
hadji
hadn’t
hadron
hadst
hae
haecceity
haem-
haema-
haemachrome
haemagglutinate
haemal
haematic
haematin
haematinic
haematite
haemato-
haematoblast
haematocele
haematocrystal
haematogenesis
haematogenous
haematoid
haematoma
haematopoiesis
haematosis
haematotherm
haematoxylin
haemotoxylon
haematozoan
haemic
haemin
haemo-
haemocyte
haemoglobin
haemoid
haemolysin
haemolysis
haemophilia
haemophilic
haemophilic
haemorrhage
haemostasis
haemostat
haemostatic
haeres
hafiz
hafnium
haft
hag
hag-ridden
hagberry
hagbut
hagfish
haggadist
haggard
haggis
haggle
hagiarchy
hagio-
hagiology
hagioscope
hagrise
hah
haik
haiku
hail
hail-fellow-well-met
hailstone
hailstorm
hair
hair follicle
hair hygrometer
hair seal
hair shirt
hair space
hair stroke
hair trigger
hair's-breadth
hair-raising
hairball
hairbreath
hairbrush
haircloth
half-bound
half-breed
half-caste
half-cock
half-cocked
half-hardy
half-hour
half-length
half-life
half-light
half-mast
half-moon
half-pint
half-price
half-seas over
half-slip
half-sole
half-timbered
half-track
half-truth
half-wit
half-witted
halfback
halfbeak
halfhearted
halfpenny
halftone
halfway
halfway house
halibut
halibut-liver oil
halide
halidom
halite
halitosis
hall
hallah
hallelujah
halliard
hallmark
hallo
halloo
hallow
hallowed
hallucinate
hallucination
hallucinatory
hallucinogen
hallucinosis
hallux
hallway
halm
halo
halo-
halogen
halogenate
haloid
halophyte
halothane
halt
halter
halting
halutz
halvah
halve
halves
halyard
ham
hamadryad
hamal
hamamelidaceous
hamartia
hamate
hamburger
hame
hamlet
hammer
hammer and sickle
hammer and tongs
hammer beam
hammer out
hammered
hammerhead
hammering
hammerless
hammerlock
hammertoe
hammock
hammy
hamper
hamster
hamstring
hamulus
hanza
hanaper
hance
hand
hand down
hand drill
hand glass
hand grenade
hand in
hand on
hand organ
hand over
hand truck
hand's-breadth
hand-knit
hand-me-down
hand-off
hand-to-hand
hand-to-mouth
handbag
handball
handbarrow
handbill
handbook
handbreadth
handcar
handcart
handclap
handclasp
handcraft
handcrafted
handcuff
handed
handedness
handfast
handfasting
handful
handgrip
handgun
handhold
handicap
handicapped
handicapper
handicraft
handicraftsman
handily
handiness
handiwork
handkerchief
handle
handlebar
handlebar moustache
handler
handling
handmade
handmaid
handmaiden
handout
handpick
handrail
hands
handsaw
handsel
handset
handshake
handshaker
handsome
handsomely
handspike
handspring
handstand
handwork
handwoven
handwriting
handy
handyman
hang
hang about
hang back
hang in
hang on
hang out
hang together
hang up
hang-up
hangar
hangbird
hangdog
hanger
hanger-on
hanging
hanging buttress
hanging post
hanging valley
hanging wall
hangman
hangnail
hangout
hangover
hank
hanker
hankering
hanky
hanky-panky
hansel
hansom
hanuman
hap
hapax legomenon
haphazard
haphazardly
hapless
haplite
haplo-
haplography
haploid
haplology
haplosis
haply
happen
happening
happenstance
happily
happiness
happy
happy hunting ground
happy-go-lucky
hapten
hara-kiri
harangue
harass
harassed
harbinger
harbor
harbor seal
haborage
harbour
harbourage
hard
hard and fast
hard candy
hard cash
hard cider
hard coal
hard copy
hard core
hard court
hard goods
hard hat
hard labor
hard landing
hard lines
hard palate
hard paste
hard rock
hard rubber
hard sauce
hard sell
hard wheat
hard-and-fast
hard-bitten
hard-boiled
hard-core
hard-favored
hard-featured
hard-nosed
hard-pressed
hard-set
hard-shell
hard-shell clam
hard-shell crab
hard-spun
hardback
hardball
hardboard
harden
hardened
hardener
hardening
hardening of the arteries
hardhack
hardheaded
hardhearted
hardihood
hardily
hardiness
hardly
hardness
hardpan
hards
hardship
hardship
hardtop
hardware
hardwood
harping
harpist
harpoon
harpoon gun
harpischord
harpy
harpy eagle
harquebus
harquebusier
harridan
harrier
harrow
harrumph
harry
harsh
harslet
hart
hart's-tongue
hartal
hartebeest
hartshorn
harum-scarum
haruspex
haruspicy
harvest
harvest home
harvest mite
harvest moon
harvest mouse
harvester
harvestman
has
has-been
hash
hash house
hashish
haslet
hasn't
hasp
hassle
hassock
hast
hastate
haste
hasten
hasty
hasty pudding
hat
hat trick
hatband
hatbox
hatch
hatchel
hatchery
hatchet
hatchet face
hatchet job
hatchet man
hatching
hatchment
hatchway
hate
hateful
hath
hatpin
hatred
hatter
haubergeon
hauberk
haugh
haughty
haul
haul off
haul up
haulage
hauler
haulm
haunch
haunch bone
haunt
haunted
haunting
hausfrau
haustellum
haustorium
haut monde
hautbois
hautboy
haute couture
haute cuisine
hauteur
have
have at
have on
have-not
havelock
haven
haven't
haver
haversack
haversine
havildar
havoc
haw
hawfinch
hawk
hawk moth
hawk owl
hawk's-beard
hawk's-eye
hawk-eyed
hawkbill
hawker
hawking
hawksbill turtle
hawkshaw
hawkweed
hawse
hawse bag
hawsehole
hawsepiece
hawsepipe
hawser
hawser bend
hawser-laid
hawthorn
hay
hay fever
haycock
hayfield
hayfork
hayloft
haymaker
haymow
hayrack
hayrick
hayseed
haystack
hayward
haywire
hazan
hazard
hazardous
haze
hazel
hazelnut
hazing
hazy
hd.
hdqrs.
he
he-man
head
head arrangement
head for
head gate
head lamp
head louse
head money
head off
head register
head resistance
head sea
head start
head tone
head voice
head-on
headache
headachy
headband
headboard
headcheese
headcloth
headdress
headed
header
headfirst
headforemost
headgear
heading
headland
headless
headlight
headline
headliner
headlock
headlong
headman
headmaster
headmistress
headmost
headphone
heart
heart attack
heart block
heart cherry
heart failure
heart murmur
heart-lung machine
heart-stricken
heart-to-heart
heart-warming
heart-whole
heartache
heartbeat
heartbreak
heartbreaker
heartbreaking
heartbroken
heartburn
heartburning
hearten
heartfelt
hearth
hearthside
hearthstone
heartily
heartland
heartless
heartrending
hearts
heartsease
heartsick
heartsome
heartstrings
heartthrob
heartwood
heartworm
hearty
heat
heat barrier
heat capacity
heat content
heat engine
heat exchanger
heat exhaustion
heat lightning
heat prostration
heat pump
heat rash
heat shield
heat wave
heated
heater
heath
heath cock
heath grass
heath hen
heathberry
heathen
heathendom
heathenish
heathenism
heathenize
heathenry
heather
heating element
heating pad
heatstroke
heaume
heave
heave down
heave to
heave-ho
heaven
heaven-sent
heavenly
heavenward
heaver
heaves
heavier-than-air
heavily
heaviness
heaving-line bend
heavy
heavy artillery
heavy bomber
heavy cream
heavy cruiser
heavy earth
heavy hydrogen
heavy spar
heavy water
heavy-armed
heavy-duty
heavy-footed
heavy-handed
heavy-hearted
heavy-laden
heavyhearted
heavyset
heavyweight
hebdomad
hebdomadal
hebdomadary
hebephrenia
hebetate
hebetic
hebetude
hecatomb
heck
heckelphone
heckle
hectare
hectic
hecto-
hectocotylus
hectogram
hectograph
hectoliter
hectometer
hector
hedral
heder
hedge
hedge garlic
hedge hyssop
hedge sparrow
hedgehog
hedgehop
hedger
hedgerow
hedonic
hedonic calculus
hedonics
hedonism
heebie-jeebies
heed
heedful
heedless
heehaw
heel
heel bone
heel-and-toe
heeled
heeler
heeling
heelpiece
heelpost
heeltap
heft
hefty
hegemony
hegira
hegumen
heifer
height
height of land
height-to-paper
heighten
heinous
heir
heir apparent
heir at law
heir presumptive
heirdom
heiress
heirloom
heirship
heist
held
heliacal
helianthus
helical
helical gear
helices
helicline
helico-
helicograph
helicoid
helicon
helicopter
helio-
heliocentric
heliocentric parallax
heliograph
heliogravure
heliolatry
heliometer
heliostat
heliotaxis
heliotherapy
heliotrope
hema-
hemangioma
hematite
hemato-
hematology
hematuria
hemelytron
hemeralopia
hemi-
hemia-
hemiplegia
hemianopsia
hemicellulose
hemichordate
hemicrania
hemicycle
hemidemisemiquaver
hemicyclone
hemi-
hemialgia
hemianopsia
hemicellulose
hemihydration
hemimorphite
hemisphere
hemiperiod
hemipterous
hemisphere
hemisphere
hemiprotein
hemispheroid
hemistich
hemiterpene
hemitrope
hemeline
hemlock
hemmer
hemo-
hemocyte
hemoglobin
hemolysis
hemophilia
hemorrhage
hemorrhoid
hemorrhoidal
hemostat
hemostate
hemotherapy
hemp
hemp agrimony
hemp nettle
hemp tree
hemstitch
hen
hen party
hen-and-chickens
henbane
henbit
hence
henceforth
henceforward
henchman
hendeca-
hendecagon
hendecahedron
hendecasyllable
hendiadys
henequen
henhouse
henna
hennery
henotheism
henpeck
henry
hent
hep
heparin
hepatic
hepatica
hepatitis
hepato-
hepcat
hepta-
heptachord
heptad
heptagon
heptagonal
heptahedron
heptamerous
heptameter
heptane
heptangular
heptarchy
heptastich
heptavalent
heptode
her
her.
herald
heraldic
heraldry
herb
heritage
heritor
herl
herm
hermaphrodite
hermaphrodite brig
hermaphroditism
hermeneutic
hermeneutics
hermetic
hermit
hermit crab
hermit thrush
hermitage
hern
hernia
herniorrhaphy
herniotomy
hero
hero sandwich
hero worship
hero-worship
heroic
heroic age
heroic couplet
heroic tenor
heroic verse
heroics
heroin
heroine
heroism
heron
heronry
herp.
herpes
herpes simplex
herpes zoster
herpetology
herring
herring gull
herringbone
herringbone bond
herringbone gear
hers
herself
hertz
hesitancy
hesitant
hesitate
hesitation
hesperidin
hesperidium
hessian
hessite
hest
het up
hetaera
hetaerism
hetero-
heterocercal
heterochromatic
heterochromatin
heterochromosome
heterochromous
heteroclite
heterocyclic
heterodox
heterodoxy
heterodyne
heteroeious
heterogamete
heterogamy
heterogeneity
heterogeneous
heterogenesis
heterogenetic
heterogenous
heterogony
heterograft
heterography
heterogynous
heterolecithal
heterologous
heterolysis
heteromerous
heteromorphic
heteronomous
heteronomy
heteronym
heterophony
heterophyllous
heterophyte
heteroplasty
heteropolar
heteropterous
heterosexual
heterosexuality
heterosis
heterosporous
heterotaxis
heterothallic
heterotopia
heterotrophic
heterotypic
heterozygote
heterozygous
heth
hetman
heulandite
heuristic
hew
hex
hexa-
hexachlorophene
hexachord
hexacosanoic acid
hexad
hexaemeron
hexagon
hexagonal
hexagram
hexahedron
hexahydrate
hexamerous
hexameter
hexamethylenetetramine
hexane
hexangular
hexanoic acid
hexapartite
hexapla
hexapod
hexapody
hexarchy
hexastich
hexastyle
hexavalent
hexone
hexosan
hexose
hexyl
hexylresorcinol
hey
heyday
higglers
high
high and mighty
high blood pressure
high camp
high comedy
high command
high commissioner
high day
high explosive
high fashion
high fidelity
high frequency
high hat
high jinks
high jump
high jumper
high noon
high place
high point
high priest
high relief
high school
high schooler
high sea
high seas
high sign
high society
high spirits
high spot
high table
high tea
high tide
high time
high treason
high water
high wire
high-angle fire
high-class
high-colored
high-flown
high-grade
high-handed
high-hat
high-key
high-keyed
high-minded
high-muck-a-muck
hill
hill myna
hill station
hillbilly
hillbilly music
hillock
hillside
hilltop
hilly
hilt
hilum
him
himation
himself
hin
hind
hindbrain
hinder
hindmost
hindgut
hindmost
hindquarter
hindrance
hindsight
hindward
hinge
hinging post
hinny
hint
hinterland
hip
hip bath
hip joint
hip roof
hip-huggers
hipbone
hipparch
hipped
hippie
hippo
hippocampus
hippocras
hippodrome
hippogriff
hippopotamus
hippy
hipster
hiragana
histrionics
histrionism
hit
hit off
hit-and-miss
hit-and-run
hit-or-miss
hitch
hitchhike
hitching post
hither
hithermost
hitherto
hitherward
hive
hives
hl
hm
ho
hoactzin
hoagy
hoar
hoard
hoarding
hoarfrost
hoarhound
hoarse
hoarsen
hoary
hoatzin
hoax
hob
hobble
hobble skirt
hobbledehoy
hobby
hobbyhorse
hobgoblin
hobnail
hobnailed
hobnob
hobo
hock
hockey
hocus
hocus-pocus
hod
hod carrier
hodden
hodgepodge
hodman
hodometer
hoe
boecke
hoedown
hog
hog cholera
hog peanut
hogan
hogback
hogfish
hoggish
hognose snake
hognut
hogshead
hottie
hogwash
hogweed
hoi polloi
hoick
hoicks
hoiden
hoist
hoity-toity
hokey-pokey
hokku
hokum
hold
hold back
hold down
hold forth
hold in
hold off
hold on
hold out
hold over
hold together
hold with
holdall
holdback
holder
holdfast
holding
holding company
holding pattern
homicidal
homicide
homiletic
homiletics
homily
homing
homing pigeon
hominid
hominoid
hominy
homy gritty
homo-
homocentric
homocercal
homochromatic
homochromous
homocyclic
homoeo-
homoeroticism
homogamy
homogeneity
homogeneous
homogenesis
homogenetic
homogenize
homogenous
homogeny
homogony
homograft
homograph
homoio-
homologue
homologize
homologous
homologous chromosomes
homolographic
homologue
homology
homolosine projection
homomorphism
homonym
homophile
homophone
homophonic
homophonous
homophony
homopolar
homopterous
homorganic
homosexual
homosexuality
homosporous
homotaxis
homothallic
homothermal
homozygote
homozygous
homunculus
homy
hon
hone
honest
honestly
honesty
honewort
honey
honey buzzard
honey guide
honey locust
honey mesquite
honey plant
honey-sweet
honeybee
honeybunch
honeycomb
honeydew
honeydew melon
honeyed
honeymoon
honesucker
honesuckle
honesuckle ornament
hong
honied
honk
honky
honky-tonk
honor
honor point
honor roll
honorable
honorarium
honorary
honorific
honoris causa
honour
honourable
hoo
hooch
hood
hooded
hooded crow
hooded seal
hoodlum
hoodman-blind
hoodoo
hoodwink
hooey
hoof
hoof-and-mouth disease
hoofbeat
hoofbound
hoofed
hoofer
hook
hook and eye
hook-nosed
hookah
hooked
hooked rug
hooker
hooknose
hookup
hookworm
hooky
hooligan
hoop
hoop pine
hoop skirt
hoop snake
hooper
hoopla
hoopoe
hooray
hoosegow
hoot
hoot owl
hootchy-kootchy
hootenanny
hooves
hop
hop clover
hop-o’-my-thumb
hope
hope chest
hopeful
hopefully
hopeless
hophead
hoplite
hopper
hopping
hopple
hopscotch
hoptoad
hor.
hora
horal
horary
horde
hordein
horehound
horizon
horizontal
horizontal bar
horizontal stabilizer
horizontal union
horne
hormonal
hormone
horn
horn in
horn of plenty
horn silver
horn-mad
hornbeam
hornbill
hornblende
hornbook
horned
horned lizard
horned owl
horned poppy
horned pout
horned screamer
horned toad
horned viper
hornet
hornet's nest
hornpipe
hornstone
hornswoggle
horntail
hornwort
horny
horol.
horologe
horologist
horologium
horology
horoscope
horoscopy
horotelic
horrendous
horrible
horribly
horrid
horrific
horrified
horrify
horripilate
horripilation
horror
horror-struck
hors concours
hors d'oeuvre
hors de combat
horse
horse around
horse bean
horse brass
horse chestnut
horse gentian
horse latitudes
horse mackerel
horse marine
horse nettle
horse opera
horse pistol
horse sense
horse trader
horse-faced
horseback
horsecar
horseflesh
horsefly
horsehair
horsehide
horselaugh
horseleech
horseman
horsemanship
horsemint
horseplay
horsepower
horsepower-hour
horseradish
horseshit
horseshoe
horseshoe arch
horseshoe crab
horseshoe magnet
horseshoes
horsetail
horseweed
horsewhip
horsewoman
horsey
horst
horsy
hort.
hortative
hortatory
horticulture
hortus siccus
hosanna
hose
hosier
hosiery
hosp.
hospice
hospital
hospital bed
hospital corner
hospital ship
hospitality
hospitalization
hospitalization insurance
hospitalize
hospitium
hospodar
host
hostage
hostel
hostel school
hostelry
hostess
hostile
hostility
hostler
hot
hot air
hot buttered rum
hot cake
hot cockles
hot cross bun
hot dog
hot lick
hot line
hot metal
hot money
hot pants
hot pepper
hot plate
hot potato
hot rod
hot seat
hot spot
hot spring
hot stuff
hot war
hot water
hot-air balloon
hot-blooded
hot-cathode tube
hot-press
hot-tempered
hot-water bag
hot-water bottle
hotbed
hotbox
hotchpot
hotchpotch
hotel
hotfoot
hothead
hotheaded
hothouse
hotshot
hotspur
hough
hound
hound's-tongue
hounding
houppelande
hour
hour angle
hour circle
hour hand
hourglass
hour
hourly
house
house agent
house arrest
house detective
house finch
house flag
house martin
house mouse
house of God
house of assignation
house of cards
house of correction
house of detention
house of ill repute
house of prayer
house of prostitution
house of worship
house organ
house party
house physician
house sparrow
house trailer
house-raising
houseboat
housebound
houseboy
housebreak
housebreaker
housebreaking
housebroken
housecarl
houseclean
housecoat
housefather
housefly
household
household gods
household troops
householder
housekeeper
housekeeping
housel
houseleek
houseless
houselights
housetline
housemaid
housemaid's knee
houseman
housemaster
housemother
houseroom
housetop
housewares
housewarming
housewife
housewifely
housewifery
housework
housey-housey
housing
houstonia
hove
hovel
hover
hovercraft
how
how-do-you-do
howbeit
howdah
howdy
howe'er
however
howitzer
howl
howler
howlet
howling
howsoever
ho
ho
hoard
hoy
hoary
hr.
ht.
huarache
hub
hubble-bubble
hubbub
hubby
humdinger
humdrum
humectant
humeral
humeral veil
humerus
humic
humid
humidifier
humidify
humidistat
humidity
humidor
humiliate
humiliating
humiliation
humility
humming
hummingbird
hummingbird moth
hummock
hummocky
humor
humoral
humoresque
humorist
humorous
humour
hump
humpback
humpbacked
humph
humpy
humus
hunch
hunchback
hunchbacked
hundred
hundred-percenter
hundredfold
hundredth
hundredweight
hung
hunger
hunger strike
hungry
hunk
hunker
hunkers
hunks
hunky-dory
hunt
hunt down
hunt up
hunter
hunter's moon
hunting
hunting ground
hunting horn
hunting knife
huntress
huntsman
huntsman's-cup
huppah
hurdle
hurds
hurdy-gurdy
hurl
hurley
hurling
hurly-burly
hurrah
hurricane
hurricane deck
hurricane lamp
hurried
hurry
hurry-scurry
hurst
hurt
hurter
hurtful
hurtle
hurtless
husband
husbandman
husbandry
hush
hush money
hush puppy
hush up
hush-hush
hushaby
husk
husking
husking bee
husky
hussar
hussy
hustings
hustle
hustler
hut
hutch
hutment
huzzah
hwan
hyacinth
hyaena
hyaline
hyaline cartilage
hyalite
hyalo-
hyaloid
hyaloid membrane
hyaloplasm
hyaluronic acid
hyaluronidase
hybrid
hybridism
hybridize
hybris
hydantoin
hydatid
hydnocarpate
hydnocarpic acid
hydr-
hydra
hydracid
hydrangea
hydrant
hydranth
hydrargyrum
hydrastine
hydrastinine
hydrastis
hydrate
hydrated
hydraulic
hydraulic brake
hydraulic lift
hydraulic mining
hydraulic press
hydraulic ram
hydraulics
hydrazine
hydrazoic acid
hydria
hydric
hydride
hydriodic acid
hydro
hydro-
hydrobomb
hydrobromic acid
hydrocarbon
hydrocele
hydrocellulose
hydrocephalus
hydrochloric acid
hydrochloride
hydrocortisone
hydrocyanic acid
hydrodynamic
hydrodynamics
hydroelectric
hydrofluoric acid
hydrofoil
hydrogen
hydrogen bomb
hydrogen bromide
hydrogen chloride
hydrogen cyanide
hydrogen fluoride
hydrogen iodide
hydrogen ion
hydrogen peroxide
hydrogenate
hydrogenize
hydrogenolysis
hydrogenous
hydrogeology
hydrograph
hydrography
hydroid
hydrokinetic
hydrokinetics
hydrologic cycle
hydrology
hydrolysate
hydrolyse
hydrolysis
hydrolyte
hydrolytic
hydrolyze
hydromagnetics
hydromancy
hydromechanics
hydromedusa
hydromel
hydrometallurgy
hydrometeor
hydrometer
hydropathy
hydrophone
hydrophane
hydrophilic
hydrophilous
hydrophobia
hydrophobic
hydrophone
hydrophyte
hydropic
hydroplane
hydroponics
hydrops
hydroquinone
hydroscope
hydrosol
hydosome
hydosphere
hydrostatic
hydrostatics
hydrotaxis
hydrotherapeutics
hydrotherapy
hydrothermal
hydrothorax
hydrotropism
hydrous
hydroxide
hydroxy
hydroxy acid
hydroxy-
hydroxyl
hydroxylamine
hydrozoan
hyena
hyetal
hyetograph
hyetography
hyetology
hygiene
hygienic
hygienics
hygienist
hygro-
hygrograph
hygrometer
hygrometric
hygrometry
hygrophilous
hygrooscope
hygroscopic
hygrostat
hygrothermograph
hying
hyla
hylo-
hylomorphism
hylophagous
hylatheism
hylozoism
hymen
hymeneal
hymenium
hymenopteran
hymenopterous
hymn
hymnal
hymnist
hymnody
hymnology
hyoid
hyoscine
hyoscyamine
hyoscyamus
hyp-
hyp.
hypabyssal
hypaesthesia
hypaethral
hypallage
hypanthium
hype
hyper-
hyperacidity
hyperactive
hyperaemia
hyperaesthesia
hyperbaric
hyperbaton
hyperbola
hyperbole
hyperbolic
hyperbolic function
hyperbolic geometry
hyperbolism
hyperbolize
hyperboloid
hyperborean
hypercatalectic
hypercorrect
hypercorrection
hypercritical
hypercriticism
hyperdulia
hyperemia
hyperesthesia
hyperextension
hyperfine structure
hyperfocal distance
hyperform
hy ergolic
hyperkeratosis
hyperkinesia
hypermeter
hypermetropia
hyperon
hyperopia
hyperostosis
hyperparathyroidism
hyperphagia
hyperphysical
hyperpituitarism
hyperplane
hyperplasia
hyperploid
hyperpyrexia
hypersensitive
hypersensitize
hypersonic
hyperspace
hypersthene
hypertension
hypertensive
hyperthermia
hyperthyroidism
hypertonic
hypertrophy
hyperventilation
hypervitaminosis
hypesthesia
hypethral
hypha
hyphen
hyphenate
hyphenated
hypno-
hypnoanalysis
hynogenesis
hypnology
hypnosis
hypnotherapy
hypnotic
hypnotism
hypnotist
hypnotize
hypo
hypo-
hypoacidity
hypoaeolian mode
hypoblast
hypocaust
hypochlorite
hypochlorous acid
hypochondria
hypochondriac
hypochondriasis
hypochondrium
hypochromia
hypochromic anemia
hypocorism
hypocoristic
hypocotyl
hypocrisy
hypocrite
hypocotylid
hypoderm
hypoderma
hypodermic
hypodermic needle
hypodermic syringe
hypodermis
hypodorian mode
hypogastrium
hypogeal
hypogene
hypogenous
hypogeous
hypogeous
hypogum
hypoglossal
hypoglossal nerve
hypoglycemia
hypognathous
hypogynous
hypoid gear
hypolimnion
hypolydian mode
hypomania
hypomixolydian mode
hyponasty
hyponitrite
hyponitrous acid
hypophosphate
hypophosphite
hypophosphoric acid
hypophosphorous acid
hypophrygian mode
hypophyge
hypophysis
hypopituitarism
hypoplasia
hypoploid
hyposensitize
hypostasis
hypostasize
hypostatize
hyposthenia
hypostyle
hypotaxis
hypotension
hypotenuse
hypoth.
hypothalamus
hypothec
hypothecate
hypothermal
hypothermia
hypothesis
hypothesize
hypothetical
hypothetical imperative
hypothyroidism
hypotonic
hypotrichaelium
hypoxanthine
hypoxia
hypozegna
hypoxeuxis
hypso-
hypsography
hypsometer
hypsometry
hyracoid
hyrax
hyson
hyssop
hysterectomize
hysterectomy
hysteresis
hysteria
hysteric
hysterical
hysteric
hystero-
hysterogenic
hysteroid
hysteror proteron
hysterotomy
i
i-
i.
i.e.
i.q.
i.v.
iamb
iambic
iambus
iatric
iatrochemistry
iatrogenic
ib.
ibex
ibid.
ibidem
ibis
ibn-Rushd
ibn-Saud
ibn-Sina
ice
ice age
ice bag
ice belt
ice cave
ice cream
ice cube
ice field
ice floe
ice foot
ice front
ice hockey
ice island
ice machine
ice milk
ice needle
ice pack
ice pick
ice plant
ice point
ice sheet
ice shelf
ice show
ice skate
ice storm
ice water
ice yacht
ice-cold
ice-cream cone
ice-cream soda
ice-skate
iceberg
iceberg lettuce
iceblink
iceboat
icebound
icebox
icebreaker
icecap
iced
icefall
icehouse
iceman
ichneumon
ichneumon fly
ichnite
ichnography
ichnology
ichor
ichthyic
ichthy-o-
ichthyoid
ichthyol.
ichthyolite
ichthyology
ichthyornis
ichthyosaur
ichthyosis
icle
icy
iciness
icing
icing sugar
icky
icon
iconic
icono-
iconoclasm
iconoclast
iconoduly
iconography
iconolatry
iconology
iconoscope
iconostasis
icosahedron
icterus
ictus
icy
id
id est
id.
idea
ideal
ideal gas
idealism
idealist
idealistic
ideality
idealize
ideally
ideate
ideation
ideational
ideatum
idem
idempotent
identic
identical
identical proposition
identification
identification tag
identify
identity
ideo-
ideogram
ideograph
ideography
ideologist
ideology
ideomotor
ides
idio-
idiblast
idiocracy
idiocy
idioglossia
idiographic
idioloc
idiom
idiomatic
idiomorphic
idiopathy
idiophone
idioplasm
idiographic
idiognostic
idiography
idiolatry
idiolist
idiom
idiometric
idiomorphism
idiomorphous
idiomorphosis
idiopathic
idiopathic
idiopathy
idiogram
idiograph
idiograph
idyll
idyllic
idyllist
if
iffy
igloo
ign.
igneous
ignescent
ignis fatuus
ignite
igniter
ignition
ignitron
ignoble
ignominious
ignominy
ignoramus
ignorance
ignorant
ignoratio elenchi
ignore
iguana
iguanodon
ihram
ikebana
ikon
il-
ilang-ilang
ileac
ileitis
ileo-
ileostomy
ileum
ileus
ilex
iliac
ilium
ilk
ill
ill fame
ill feeling
ill temper
ill will
ill-advised
ill-affected
ill-assorted
ill-behaved
ill-boding
ill-bred
ill-conditioned
ill-considered
ill-defined
ill-disposed
ill-fated
ill-favored
ill-founded
ill-gotten
ill-humored
ill-judged
ill-looking
ill-mannered
ill-natured
ill-omened
ill-sorted
ill-starred
ill-suited
ill-tempered
ill-timed
ill-treat
ill-usage
ill-use
ill.
illation
illative
illaudable
illegal
illegality
illegalize
illegible
illegitimacy
illegitimate
illiberal
illicit
illimitable
illinium
illiquid
illiteracy
illiterate
illness
illogic
illogical
illogicality
illume
illuminance
illuminant
illuminat
illuminating
iluminative
illuminator
illumine
illuminism
illuminometer
illusion
illusionary
illusionism
illusionist
illusive
illusory
illus. illust.
illustrate
illustration
illustrational
illustrative
illustrator
illustrious
illuviation
ilmenite
im-image
image
dissector
image orthicon
imagery
imaginable
imaginal
imaginary
imaginary number
imagination
imaginative
imagine
imagism
imago
imam
imamate
imaret
imbalance
imbecile
imbecilic
imbecility
imbled
imbibe
imbibition
imbricate
imbrication
imbroglio
imbrue
imbue
imidazole
imide
imine
iminourea
imit.
imitable
imitate
imitation
imitative
immaculate
immanent
immaterial
immaterialism
immateriality
immaterialize
immature
immeasurable
immediacy
immediate
immediate annuity
immediate constituent
immediately
immedicable
immemorial
immense
immensity
immensurable
immerge
immerse
immersed
immersion
immersionism
immesh
immethodical
immigrant
immigrate
immigration
iminence
iminent
imningle
immiscible
immittigable
immix
immixture
immobile
immobility
immobilize
immoderacy
immoderate
immoderation
immodest
immolate
immolation
immoral
immoralist
immorality
immortal
immortality
immortalize
immortelle
immotile
immovable
immune
immunity
immunize
immuno-
immunoochemistry
immunogenetics
immunogenic
immunology
immunoreaction
immunotherapy
immure
immutable
imp
imp.
imp. gal.
impact
impacted
impaction
impair
impala
impale
impalpable
impanation
impanel
imparadise
imparipinnate
imparisyllabic
imparity
impair

implosive
imply
impolicy
impolite
impolitic
imponderabilia
imponderable
import
importance
important
importation
importunacy
importunate
importune
importunity
impose
imposing
imposing stone
imposition
impossibility
impossible
impossibly
impost
impostor
impostume
imposture
impotence
impotent
impound
impoverish
impoverished
impower
impracticable
impractical
imprecate
imprecation
imprecise
imprecision
impressible
impress
impressible
impression
impressionable
impressionism
inadvertent
inadvisable
inalienable
inalterable
inamorata
inamorato
inanimate
inanity
inappetence
inapplicable
inapposite
inappreciable
inappreciative
inapprehensible
inapprehensive
inapproachable
inappropriate
inapt
inaptitude
inarch
inarticulate
inartificial
inartistic
inasmuch as
inattention
inattentive
inaudible
inaugural
inaugurate
inauspicious
inbeing
inboard
inborn
inbound
inbreathe
inbred
inbreed
inbreeding
inc.
incalculable
incalcescent
incandesce
incandescence
incandescent
incandescent lamp
incantation
incantatory
incapable
incapacious
incapacitate
incapacity
incarcerate
incardinate
incardination
incarnadine
incarnate
incarnation
incase
incautious
incendiary
incense
incensory
incentive
incept
inception
inceptive
incertitude
incessant
incest
incestuous
inch
inchmeal
inchoate
inchoation
inchoative
inchworm
incidence
incident
incidental
incidental music
incidentally
incinerate
incinerator
incipient
incipit
incise
incised
incision
incisive
incisor
incisure
incite
incitement
incivility
incl.
inclement
inclinable
inclination
inclinatory
incline
inclined
inclined plane
inclinina
inclinometer
incluse
include
included
inclusion
inclusion body
inclusive
incercible
incogitable
incogitant
incognito
incognizant
incoherence
incoherent
incombustible
income
income account
income bond
income tax
incomer
incoming
incommensurable
incommensurate
incommode
incommodious
incommodity
incommunicable
incommunicado
incommunicative
incommutable
incomparable
incompatible
incompetence
incompetent
incomplete
incompletion
incompliant
incomprehensible
incomprehension
incomprehensible
incompressible
incomputable
inconceivable
inconclusive
incondensable
incondite
inconformity
incongruent
incongruity
incongruous
inconsecutive
inconsequent
inconsequential
inconsiderable
inconsiderate
inconsistency
inconsistent
inconsolable
inconsonant
inconspicuous
inconstant
inconsumable
incontestable
incontinent
incontrollable
incontrovertible
inconvenience
inconveniency
inconvenient
inconvertible
inconvincible
incoordinate
incoordination
incorporable
incorporate
incorporated
incorporating
incorporation
incorporator
incorporeal
incorporeity
incorrect
incorrigible
incorrupt
incorruptible
incorruption
incr.
icrassate
increase
increasing
incrate
incredible
incredulity
incredulous
increment
incretion
incriminate
incrust
incrustation
incubate
incubation
incubation period
incubator
incubus
incudes
inculcate
inculpable
inculpate
incult
incumbency
incumbent
incumber
incunabula
incunabulum
incur
incurable
incurious
incurrence
incurrent
incursion
incursive
incurvate
incurve
incus
incuse
ind.
indaba
indamine
indebted
indebtedness
indecency
indecent
indecent assault
indecent exposure
indeciduous
indecipherable
indecision
indecisive
indeclinable
indecorous
indecorum
indeed
indef.
indefatigable
indefeasible
indefectible
indefensible
indefinable
indefinite
indefinite article
indefinite integral
indefinite pronoun
indehiscent
indeliberate
indelible
indelicacy
indelicate
indemnification
indemnify
indemnity
indemonstrable
indene
indent
indentation
indented
indention
indenture
indentured servant
independence
independency
independent
independent variable
indescribable
indestructible
indeterminable
indeterminacy
indeterminacy principle
indeterminate
indeterminate sentence
indetermination
indeterminism
indiscerptible
indiscipline
indiscreet
indiscrete
indiscretion
indiscriminate
indiscrimination
indispensable
indispose
indisposed
indisposition
indisputable
indistinct
indistinctive
indistinguishable
indite
indium
indivertible
individual
individualism
individualist
individuality
individualize
individually
individuate
individuation
indivisible
indocile
indoctrinate
indole
indoleacetic acid
indolebutyric acid
indolence
indolent
indomitable
indoor
indoors
indophenol
indorse
indoxyl
indraft
indrawn
indubitability
indubitable
induc.
induce
induced drag
inducement
induct
inductance
inductee
inductile
induction
induction coil
induction heating
induction motor
inductive
inductive reactance
inductor
indue
indulge
indulgence
indulgent
induline
indult
induna
induplicate
indurate
induration
indusium
industrial
industrial design
industrial life insurance
industrial park
industrial psychology
industrial school
industrial union
industrialism
industrialist
industrialize
industrials
industrious
industry
indwell
inearth
inebriant
inebriate
inebriety
inedible
inedited
ineducable
ineducation
ineffable
ineffaceable
ineffective
ineffectual
inefficacious
inefficacy
inefficiency
inefficient
inelastic
inelegance
inelegancy
inelegant
ineligible
ineloquent
ineluctable
ineludible
inenarrable
inept
ineptitude
inequality
inequitable
inequity
ineradicable
inerasable
innerrable
inert
inert gas
inertia
inertial guidance
inertial system
inescapable
inescutcheon
inessential
inessive
inestimable
inevitable
inexact
inexactitude
inexcusable
inexecution
inexertion
inexhaustible
inexistent
inexorable
inexpedient
inexpensive
inexperience
inexperienced
inexpert
inexpiable
inexplicable
inexplicit
inexpressible
inexpressive
inexpugnable
inextensible
inextinguishable
inextirpable
inextricable
inf.
infallibilism
infallible
infamous
infamy
infancy
infant
infanta
infante
infanticide
infantine
infantile
infantile paralysis
infantilism
infantine
infantry
infantryman
infarct
infarction
infare
infatuate
infatuated
infatuation
infeasible
infect
infection
infectious
infectious hepatitis
infectious mononucleosis
infective
infecund
infelicitous
infelicity
infer
inference
inferential
inferior
inferior planet
inferiority complex
infernal
infernal machine
inferno
infertile
infest
infestation
infeudation
infidel
infidelity
infield
infielder
infighting
infiltrate
infiltration
infin.
infinite
infinitiesimal
infinitiesimal calculus
infinitive
infinitude
infinity
infirm
infirmary
infirmity
infix
inflame
inflammable
inflammation
inflammatory
inflatable
inflate
inflated
inflation
inflationary
inflationary spiral
inflationism
inflect
inflection
inflectional
inflected
inflexible
inflexion
inflict
infliction
inflorescence
inflow
influence
influent
influential
influenza
influx
infold
inform
informal
informality
informant
information
information retrieval
information theory
informative
informed
informer
infra
infra dig
infra-
infracostal
infract
infraction
infralapsarian
infrangible
infrared
infrasonic
infrastructure
infrequency
infrequent
infringe
infringement
infundibuliform
infundibulum
infuriate
infuscate
infuse
infusible
infusion
infusionism
infusive
infusorian
ingate
ingather
ingathering
ingeminate
ingenerate
ingenious
ingenue
ingenuity
ingenious
ingest
ingesta
ingle
inglenook
ingleside
inglorious
ingoing
ingot
ingot iron
ingraft
ingrain
ingrained
ingrate
ingratiate
ingratiating
ingratitude
ingravescent
ingredient
ingress
ingressive
ingroup
ingrowing
ingrown
ingrowth
inguinal
ingulf
ingurgitate
inhabit
inhabitancy
inhabitant
inhabited
inhabiter
inhalant
inhalation
inhalator
inhale
inhaler
inharmonic
inharmonious
inhaul
inhere
inherence
inherent
inherit
inheritable
inheritance
inheritance tax
inherited
inheritor
inheritrix
inhesion
inhibit
inhibition
inhibitor
inhibitory
inhospitable
inhospitality
inhuman
inhumane
inhumanity
inhumation
inhume
inimical
inimitable
inion
iniquitous
iniquity
init.
initial
initiate
initiation
initiative
initiatory
inject
injection
injector
injudicious
injunction
injure
injured
injurious
injury
injustice
ink
inkberry
inkblot
inkhorn
inkhorn term
inkle
inkling
inkstand
inkwell
inky
inlaid
inland
inland bill
inland marine insurance
inlay
inlet
inlier
inly
inmate
inmesh
inmost
inn
innards
innate
inner
inner bar
inner ear
inner jib
inner man
inner space
inner tube
inner-directed
innermost
innervate
innervate
inning
innings
innkeeper
innocence
innocency
innocent
innocuous
innominate
innominate bone
innovate
innovation
innnoxious
innuendo
innumerable
innutrition
inobervation
inoculable
inoculate
inoculation
inoculum
inodorous
inoffensive
inofficious
inoperable
inoperative
inopportune
inordinate
inorg.
inorganic
inorganic chemistry
inosculate
inositol
inotropie
inpatient
inpour
input
inquest
inquietude
inquiline
inquire
inquiring
inquiry
inquision
inquisionist
inquisitive
inquisitor
inquisitorial
inroad
inrash
ins and outs
ins.
insalivate
insalubrious
insane
insanitary
insanity
insatiable
insatiate
inscribe
inscription
inscrutable
insect
insectarium
insecticide
insectile
insectivore
insectivorous
insecure
insecurity
inseminate
insensate
insensibility
insensible
insensitive
insentient
inseparable
insert
inserted
insertion
insessorial
inset
inseverable
inshore
inshrine
inside
inside job
insider
insidious
insight
insightful
insignia
insignificance
insignificancy
insignificant
insincere
insincerity
insinuate
insinuating
insinuation
insipid
insipience
insist
insistence
insistency
insistent
insnare
insobriety
insociable
insolene
insolent
insoluble
insolvable
insolvency
insolvent
insomnia
insomniac
insomnolence
insomuch
insouciance
insouciant
insp.
inspan
inspect
inspection
inspector
inspectorate
insphere
inspiration
inspirational
inspiratory
inspire
inspired
inspirit
inspissate
inst.
instability
instable
instal
install
installation
installment
installment plan
instalment
instance
instancy
instant
instantaneity
instantaneous
instanter
instantly
instar
instate
instauration
instead
instep
instigate
instigation
instil
instill
instillation
instinct
instinctive
institute
institution
institutional
institutionalism
institutionalize
institute
institute
instruct
instruction
instructions
instructive
instructor
instrument
instrument flying
instrument landing
instrument panel
instrumental
instrumental conditioning
instrumentalism
instrumentalist
instrumentality
instrumentation
insubordinate
insubstantial
insufferable
insufficiency
insufficient
insufflate
insula
insular
insulate
insulation
insulator
insulin
insulin shock
insult
insulting
insuperable
insupportable
insuppressible
insurable
insurance
insure
insured
insurer
insurgence
insurgency
insurgent
insurmountable
insurrection
insurrectionary
insusceptible
int.
intact
intaglio
intake
intangible
intarsia
integer
integral
integral calculus
integrand
integrant
integrate
integrated
integration
integrator
integrity
integument
integumentary
intellect
intellection
intellectual
intellectualism
intellectuality
intellectualize
intelligence
intelligence bureau
intelligence quotient
intelligence test
intelligencer
intelligent
intelligentsia
intelligibility
intelligible
intemperate
intemperance
intemperate
intend
intendance
intendancy
intendant
intended
intendment
intenerate
intens.
intense
intensifier
intensify
intension
intensity
intensive
intensive care
intent
intention
intentional
inter
inter alia
inter alios
inter nos
inter se
inter-
interact
interaction
interactive
interatomic
interbedded
interblend
interbrain
interbreed
intercalary
intercalate
intercalation
intercede
intercellular
intercept
interception
interceptor
intercession
intercessor
intercessory
interchange
interchangeable
interclavicle
intercollegiate
intercolumniation
intercom
intercommunicate
intercommunication system
intercommunion
interconnect
intercontinental
intercontinental ballistic missile
intercostal
intercourse
intercrop
intercross
intercurrent
intercut
interdenominational
interdental
interdepartmental
interdependent
interdict
interdiction
interdictory
interdigitate
interdisciplinary
interest
interested
interesting
interface
interfaith
interfere
interference
interferometer
interferon
interfertile
interfile
interflow
interfluent
interfluve
interfuse
interglacial
intergrade
interim
interinsurance
interior
interior angle
interior decoration
interior decorator
interior monologue
interj.
interjacent
interject
interjection
interjoin
interknot
interlace
interlamine
interlanguage
interlard
interlay
interleaf
interleave
interlibrary loan
interline
interlinear
interlineate
interlining
interlink
interlock
interlocking directorate
interlocution
interlocutor
interlocutory
interlocutress
interlocutrix
interlope
interloper
interlude
interlunar
interlunation
intermarriage
intermarry
intermeddle
intermediacy
intermediary
intermediate
intermediate frequency
interment
intermezzo
intermigration
interminable
intermingle
intermission
intermit
intermittent
intermittent fever
intermix
intermixture
intermolecular
intern
internal
internal ear
internal energy
internal evidence
internal medicine
internal rhyme
internal secretion
internal-combustion
internal-combustion engine
internalize
internat.
international
international Morse code
international candle
international law
international nautical mile
international pitch
internationalism
internationalist
internationalize
interne
internecine
internee
internist
internment
internment camp
internode
internship
internuncial
internuncio
interoceptor
interoffice
interosculate
interpellant
interpellate
interpellation
interpenetrate
interphase
interphone
interplanetary
interplay
interplead
interpleader
interpolate
interpolation
interpose
interposition
interpret
interpretation
interpretative
interpretative dance
interpreter
interpreteive
interracial
interradial
interregnum
interrelate
interrelated
interrelation
interrex
interrog.
interrogate
interrogation
interrogation mark
interrogative
interrogator
interrogatory
interrupt
interrupted
interrupted screw
interrupter
interruption
interscholastic
intersect
intersection
intersex
intersexual
intersidereal
interspace
intersperse
interstadial
interstate
interstellar
interstice
interstitial
interstitial-cell-stimulating hormone
interstratify
intertexture
intertidal
intertwine
intertwist
interurban
interval
intervale
intervalometer
intervene
intervenient
intervention
interventionist
interview
interviewee
interviewer
intervocalic
interweave
interwork
intestate
intestinal
intestinal fortitude
intestine
intima
intimacy
intimate
intimidate
intimist
intinction
intine
intitule
into
intolerable
intolerance
intolerant
intonate
intonation
intonation pattern
intone
intorsion
intort
intoxicant
intoxicate
intoxicated
intoxicating
intoxication
intoxicative
intr.
intra-
intra-atomic
intracardiac
intracellular
intracranial
intractable
intracutaneous
intradermal
intrados
intramolecular
intramundane
intramural
intramuscular
intrans.
intransigence
intransigence
intransigent
intransitive
intransitive verb
intranuclear
intrastate
intratelluric
intrauterine
intrauterine device
intravasation
intravenous
intreat
intrench
intrepid
intricacy
intricate
intrigant
intrigante
intrigue
intrinsic
intro
intro-
intro.
introduce
introduction
introductory
introgression
introit
introject
introspection
intrumis
intrumis
introrse
intrus
introspect
introspection
introversion
introvert
intrude
intrusion
intrusive
intrust
intubate
intuit
intuition
intuition
intuition
intuition
intuitiv
intuitive
intuitiv
intumesce
intumescence
intussuscept
intussusception
intwine
inulin
inunction
inundate
inurbane
inure
inurn
inutile
inutility
inv.
invade
invaginate
invagination
invalid
invalidate
invalidism
invalidity
invaluable
invariable
invariant
invasion
invasive
invective
inveigh
inveigle
invent
invention
inventive
inventor
inventory
inveracity
inverse
inverse function
inversely
inversion
invert
invert sugar
invertase
invertebrate
inverted comma
inverted mordent
inverted pleat
inverter
invest
investigate
investigation
investigator
investiture
investment
investment bank
investment company
investment trust
inveteracy
inveterate
invigilate
invigorate
invincible
inviolable
involate
invisible
invisible ink
invitation
invitatory
invite
inviting
invocate
invocation
invoice
invoke
involucel
involucre
involucrum
involuntary
involute
involuted
involution
involutional
involutional melancholia
involve
involved
inv.
ninvulnerable
inward
inwardly
inwardness
inwards
inweave
inwrap
inwrought
iodate
iodic
iodic acid
iodide
iodine
iodism
iodize
iodoform
iodometry
iodous
iolite
ion
ion engine
ion exchange
ion rocket
ionic
ionic bond
ionium
ionization
ionization chamber
ionize
ionogen
ionone
ionopause
ionosphere
iota
iotacism
ipecac
ipomoea
ipse dixit
ipsissima verba
ipso facto
ipso jure
ir-
iracund
irade
irascible
irate
ire
ireful
irenic
irenics
iridaceous
iridectomy
iridescence
iridescent
iridic
iridium
iridize
iridosmine
iridotomy
iris
iris diaphragm
irisation
iritis
irk
irksome
iron
iron curtain
iron gray
iron hand
iron horse
iron lung
iron man
iron pyrites
ironbark
ironbound
ironclad
ironhanded
ironic
ironing
ironing board
ironist
ironlike
ironmaster
ironmonger
irons
ironsides
ironsmith
ironstone
ironware
ironwood
ironwork
ironworker
ironworks
irony
irradiance
irradiant
irradiate
irradiation
irrational
irrational number
irrationality
irreclaimable
irreconcilable
irrecoverable
irre cus able
irredeemable
irredentist
irreducible
irreformable
irrefragable
irrefrangible
irrefutable
irreg.
irregular
irregularity
irrelative
irrelevance
irrelevancy
irrelevant
irrelievable
irreligion
irreligious
irremeable
irremediable
irremissible
irremovable
irreparable
irrepealable
irreplaceable
irrepressible
irreproachable
irresistible
irresoluble
irresolute
irresolution
irresolvable
irrespective
irrespective of
irspirable
irresponsible
irresponsive
irretentive
irretrievable
irreverence
irreverent
irreversible
irrevocable
irrigate
irrigation
irriguous
irritability
irritable
irritant
irritate
irritated
irritating
irritation
irritative
irrupt
irruption
irruptive
is
is-
isagoge
isagogics
isallobar
isatin
ischium
isentropic
isinglass
island
island of Reil
island universe
islander
isle
islet
ism
isn't
iso-
isoagglutination
isoagglutinin
isoamyl acetate
isobar
isobaric
isobath
iscocheim
isochor
isochromatic
isochronal
isochronism
isochronize
isochronous
isochroous
isoclinal
isocline
isocracy
isocyanic acid
isocyanide
isodiametric
isodimorphism
isodynamic
isolectric point
isoelectronic
isogamete
isogamy
isogloss
isogonic
isolate
isolated
isolating
isolation
isolationism
isolationist
isolative
isolecithal
isoleucine
isoline
isologous
isomagnetic
isomer
isomeric
isomerism
isomerize
isomerous
isometric
isometrics
isometropia
isometry
isomorph
isomorphism
isoniazid
isonomy
isooctane
isopiestic
isopleth
isopod
isoprene
isopropanol
isopropyl
isopropyl alcohol
isosceles
isostasy
isosteric
isothere
isotherm
isothermal
isothermal line
isotone
isotonic
isotope
isotron
isotropic
jackstay
djackstraw
djackstraws
djacobus
djaconet
djacquard
djactation
djactitation
djade
djaded
djadeite
djaeger
djag
djagged
djaggery
djaggy
djaguar
djaguarundi
djai alai
djail
djail delivery
djailbird
djailbreak
djailer
djailhouse
djakes
djalap
djalopy
djalousie
djam
djam session
djam-pack
djam-packed
djamb
djambalaya
djambeau
djamboree
djampan
djane
djangle
djanitor
djanitress
djapan
djape
djaponica
djar
djardiniere
djargon
jemadar
jemmy
jennet
jenny
jeopardize
jeopardous
jeopardy
jequirity
jerboa
jeremiad
jerid
jerk
jerkin
jerkwater
jerky
jeroboam
jerreed
jerry
jerry can
jerry-build
jerry-built
jersey
jess
jessamine
jest
jester
jesting
jet
jet engine
jet lag
jet pipe
jet plane
jet propulsion
jet set
jet stream
jet-black
jet-propelled
jetliner
jetport
jetsam
jettison
jetton
jetty
jeu d'esprit
jeu de mots
jeune fille
jeune premier
jew's-harp
jiva
jive
jo
joannes
job
job lot
jobber
jobbery
jobholder
jobless
jock
jockey
jockey cap
jocko
jockstrap
jocose
jocosity
jocular
jocularity
jocund
jocundity
jodhpur
jodhpurs
joe-pye weed
joe
jog
jog trot
joggle
joggle post
johannes
john
Johnny
johnnycake
joie de vivre
join
joiner
joinery
joint
joint account
joint life insurance
joint resolution
joint stock
joint-stock company
jointed
joiner
joiner plane
jointless
jointly
jointress
jointure
jointworm
joist
joke
joker
jokester
jollification
jollify
jollity
jolly
jolly boat
jolly jumper
jolt
jolty
jongleur
jonquil
jook
jornada
jorum
josh
joss
joss house
joss stick
jostle
jot
jota
jotter
jotting
joule
jounce
jour.
journal
journal box
journalese
journalism
journalist
journalistic
journalize
journey
journeyman
journeywork
joust
jovial
joviality
jowl
joy
joy ride
joy stick
joyance
joyful
joyless
joyous
juba
jubbah
jube
jubilant
jubilate
jubilation
jubilee
judge
judge advocate
judge advocate general
judge-made
judgeship
judgment
judicable
judicative
judicator
judicatory
judicature
judicial
judicial separation
judiciary
judicious
judo
judoka
jug
jug band
jugal
jugate
jugged hare
juggernaut
juggins
juggle
juggler
jugglery
jughead
juglandaceous
jugular
jugular vein
jugulate
jugum
juice
juicy
jujitsu
juju
jujube
jujutsu
jukebox
julep
julienne
jumble
jumble sale
jumbled
jumbo
jumbo jet
jumbuck
jump
jump at
jump ball
jump bid
jump head
jump on
jump seat
jump shot
jump suit
jump turn
jump-off
jumper
jumping bean
jumping jack
jumping mouse
jumping-off place
jumpy
juncaceous
junco
junction
junction transistor
juncture
jungle
jungle fever
jungle fowl
jungle rot
jungly
junior
junior college
junior counsel
junior high school
junior miss
junior school
juniority
juniper
justiciable
justiciar
justiciary
justifiable
justification
justificatory
justifier
justify
justle
justly
justness
jut
jute
jutty
juvenal
juvenescence
juvenescent
juvenile
juvenile court
juvenile delinquency
juvenile delinquent
juvenilia
juvenility
juxtapose
juxtaposition
k
kHz
kV
kWh
ka
kab
kabob
kabuki
kachina
kadi
kaffiyeh
kaftan
kagu
kaiak
kaif
kail
kailyard
kain
kainite
kaiser
kaisership
kaka
kakapo
kakemono
kaki
kala-azar
kale
kaleidoscope
kaleidoscopic
kalends
kaleyard
kaleyard school
kali
kalian
kalif
kalmia
kalong
kalpa
kalpak
kalsomine
kamacite
kamala
kame
kami
kamikaze
kampong
kamseen
kana
kangaroo
kangaroo court
kangaroo rat
kanji
kantar
kanzu
kaoliang
kaolin
kaolinite
kaon
kaph
kapok
kappa
kaput
karakul
karat
karate
karma
karmadharaya
kaross
karst
karyo-
karyogamy
karyokinesis
karyolymph
karyolysis
karyoplasm
karyosome
karyotin
karyotype
kasha
kasher
kashmir
kat
kata-
katabasis
katabatic
katabolism
katakana
katharsis
katydid
katzenjammer
kauri
kauri resin
kava
kayak
kayo
kazachok
kazoo
kb
kc
kcal
kea
kebab
keck
ked
keddah
kedge
kedgeree
keef
keek
keel
keel over
keelboat
keelhaul
keelson
keen
keening
keep
keep at
keep away
keep back
keep down
keep from
keep in
keep off
keep on
keep out
keep under
keep up
keeper
keeping
keepsake
keeshond
kef
keffiyeh
keg
kegler
keister
keitloa
kelly
keloid
kelp
kelpie
kelson
kelt
kelter
ken
kenaf
kendo
kennel
kenning
keno
kenogenesis
kenosis
kenspeckle
kentledge
kep
kepi
kept
keramic
keramics
keratin
keratinize
keratitis
kerato-
kera-
keratoid
keratoplasty
keratose
keratosis
kerb
kerb market
kerbing
kerbstone
kerchief
kerf
kermes
kermis
kern
kernel
kernite
kero
kerosene
kerplunk
kersey
kerseymere
kestrel
ketch
ketchup
ketene
keto form
keto-
keto-enol tautomerism
ketone
ketone body
ketone group
ketonuria
ketose
ketosis
kettle
kettle hole
kettle of fish
kettledrum
kettledrummer
kevel
kex
key
key fruit
key money
key punch
key signature
key up
key word
keyboard
keyhole
keyhole saw
keynote
keynote address
keystone
keystroke
keyway
kg
kg.
khaddar
khaki
khalif
khamsin
khan
khanate
kharif
khat
kheda
kedive
kiang
kibble
kibbutz
kibbutznik
kibe
kibitka
kibitz
kibitzer
kiblal
kibosh
kick
kick off
kick pleat
kick turn
kickback
kicker
kickoff
kickshaw
kicksorter
kickstand
kid
kid gloves
kidding
kiddy
kidnap
kidney
kidney bean
kidney stone
kidney vetch
kidskin
kief
kier
kieselguhr
kieserite
kif
kike
kilderkin
kill
kill-joy
killdeer
killer
killer whale
killer-diller
killick
killfish
killing
killing frost
killjoy
kiln
kilo
kilo-
kilocalorie
kilocycle
kilogram
kilogram-meter
kilohertz
kiloliter
kilometer
kiloton
kilovolt
kilovolt-ampere
kilowatt
kilowatt-hour
kilt
kilter
kimberlite
kimono
kin
kinaesthesia
kinase
kind
kindergarten
kindergartner
kindhearted
kindle
kindless
kindliness
kindling
kindly
kindness
kindred
kine
kinematic viscosity
kinematics
kinematograph
kinescope
kinesics
kinesiology
kinesthesia
kinetic
kinetic art
kinetic energy
kinetics
kinfolk
king
king cobra
king crab
king post
king salmon
king snake
king's evidence
king's evil
king's highway
king's ransom
king's shilling
king-of-arms
king-size
kingbird
kingbolt
kingcraft
kingcup
kingdom
kingdom come
kingfish
kingfisher
kinghood
kinglet
kingly
kingmaker
kingpin
kingship
kingwood
kinin
kink
kinkajou
kinky
kinnikinnick
kino
kinsfolk
kinship
kinsman
kinswoman
kiosk
kip
kipper
kirk
kirkman
kirmess
kirtle
kish
kishke
kismet
kiss
kiss of death
kiss of peace
kissable
kisser
kissing bug
kissing gate
kist
kit
kit bag
kit fox
kitchen
kitchen cabinet
kitchen garden
kitchen midden
kitchen police
kitchen sink
kitchener
kitchenette
kitchenmaid
kitchenware
kite
kith
kith and kin
kithara
kitsch
kitten
kittenish
kittiwake
kittle
kitty
kiva
kiwi
kl.
klaxon
klepht
kleptomania
klieg light
klipspringer
klong
kloof
klutz
klystron
km
km.
knack
knacker
knackwurst
knapsack
knapweed
knar
knave
knavery
knavish
knawel
knead
knee
knee breeches
knee jerk
knee-deep
knee-high
kneecap
kneehole
kneel
kneepad
kneepan
knell
knelt
knew
knickerbockers
knickers
knickknack
knife
knife edge
knife pleat
knife switch
knife-edged
lab
lab.
labarum
labdanum
labefaction
label
labelium
labia
labia majora
labia minora
labial
labialize
labialized
labiate
labile
labio-
labiodental
labionasal
labiovelar
labium
lablab
labor
labor camp
labor of love
labor union
labor-saving
laboratory
labored
laborer
laborious
labour
labour exchange
laboured
labourer
labradorite
labret
labroid
labrum
laburnum
labyrinth
labyrinth fish
labyrinthine
labyrinthodont
lac
lac insect
laccolith
lace
lacerate
lacerated
laceration
lacewing
lacework
laches
lachrymal
lachrymator
lachrymatory
lachrymose
lacing
laciniate
lack
lackadasical
lackaday
lacker
lackey
lacking
lackluster
laconic
laconism
lacquer
lacrimal
lacrimal duct
lacrimal gland
lacrimator
lacrimentary
lacrosse
lactalbumin
lactam
lactary
lactase
lactate
lactation
lacteal
lacteous
lactescent
lactic
lactic acid
lactiferous
lacto-
lactobacillus
lactoflavin
lactogenic hormone
lactometer
lactone
lactoprotein
lactoscope
lactose
lacuna
lacunar
lacustrine
lacy
lad
ladanum
ladder
ladder back
ladder tournament
ladder truck
laddie
lade
laden
ladies’ man
lading
ladino
ladle
lady
lady bountiful
lady fern
lady's maid
lady's man
lady's-slipper
lady's-smock
lady's-thumb
lady's-tresses
lady-in-waiting
lady-killer
ladybird
ladybug
ladyfinger
ladylike
ladylove
ladyship
laevo-
laevogyrate
laevorotation
laevorotatory
lag
lag screw
lagan
lagena
lager
laggard
lagging
lagniappe
lagomorph
lagoon
lah-di-dah
laic
laicize
laid
laid paper
lain
lair
laird
laissez faire
laissez-faire
laity
lake
lake dweller
lake dwelling
lake herring
lake trout
laker
lakh
laky
lalapalooza
lallation
lallygag
lam
lam.
lama
lamasery
lamb
lamb's wool
lamb's-quarters
lambaste
lambda
lambdacism
lambdoid
lambency
lambent
lambert
lambkin
lamblike
lambrequin
lambskin
lame
lame duck
lamebrain
lamed
lamella
lamellar
lamellate
lamelli-
lamellibranch
lamellicorn
lamelliform
lamellirostral
lament
lamentable
lamentation
lamented
lamia
lamina
laminar
laminar flow
laminate
laminated
lamination
laminitis
laminous
lammergeier
lamp
lamp shell
lampas
lampblack
lamper eel
lampion
lamplighter
lampoon
lamppost
lamprey
lamprophyre
lampyrid
lanai
lanate
lance
lance corporal
lance rest
lance sergeant
lancelet
lanceolate
lancer
lancers
lancet
lancet arch
lancet window
lanceted
lancewood
lanciform
lancinate
land
land agent
land bank
land crab
land grant
land measure
land mine
land of Nod
land of milk and honey
land office
land rail
land reform
land tax
land-grabber
land-office business
land-poor
landau
landaulet
landed
landfall
landgrave
landgraviate
landgravine
landholder
landing
landing craft
landing field
landing gear
landing net
landing stage
landing strip
landlady
landlocked
landloper
landlord
landlordism
landlubber
landman
landmark
landmass
landowner
lands
landscape
landscape architecture
landscape gardening
landscapist
lands
data
landsknecht
landslide
landsman
landwaiter
landward
lane
lang
lang.
langlauf
langouste
langrage
langsyne
language
langue
langue d'oc
languet
languid
languish
languishing
languishment
languor
languorous
langur
laniard
laniary
laniferous
lank
lanky
lanner
lanneret
lanolin
lanose
lansquenet
lantana
lantern
lantern fish
lantern fly
lantern jaw
lantern slide
lanthanide
lanthanum
lanthorn
lanugo
lanyard
lap
lap dissolve
lap dog
lap joint
lap robe
lap up
laparotomy
lapboard
lapel
lapful
lapidary
lapidate
lapidify
lapillus
lapin
lapis lazuli
lappet
lapse
lapse rate
lapstrake
lapsus
lapsus calami
lapsus linguae
lapwing
lar
larboard
larcener
larcenous
larceny
larch
lard
lard oil
lardaceous
larder
larder beetle
lardon
lardy
lares and penates
large
large calorie
large intestine
large-hearted
large-minded
large-scale
largely
largemouth bass
largess
larghetto
largish
largo
lariet
larine
lark
larkspur
lawbreaker
lawful
lawgiver
lawless
lawmaker
lawman
lawn
lawn mower
lawn party
lawn sleeves
lawn tennis
lawrencium
lawsuit
lawyer
lax
laxation
laxative
laxity
lay
lay analyst
lay aside
lay away
lay brother
lay down
lay figure
lay in
lay into
lay off
lay on
lay out
lay over
lay reader
lay sister
lay to
lay up
lay-by
layer
layer cake
layette
laying on of hands
layman
layoff
layout
laywoman
lazar
lazaretto
laze
lazuli
lazulite
lazurite
lazy
lazy Susan
lazy daisy stitch
lazy tongs
lazybones
lb.
lb. ap.
lb. av.
lb. t.
lea
lea.
leach
lead
lead acetate
lead arsenate
lead colic
lead glass
lead line
lead monoxide
lead off
lead on
lead pencil
lead poisoning
lead screw
lead tetraethyl
lead time
lead-in
lead-pipe cinch
leader
leadership
leading
leading article
leading edge
leading lady
leading light
leading man
leading question
leading strings
leadsman
leadwort
leaf
leaf bud
leaf fat
leaf insect
leaf miner
leaf mold
leaf monkey
leaf spot
leaf spring
leafage
leaflet
leafstalk
leafy
league
leaguer
leak
leakage
leaky
leal
lean
lean-to
leaning
leant
leap
leap year
leaper
leapfrog
leapt
learn
learned
learning
learnt
lease
leaseback
leasehold
leaseholder
leash
least
least common denominator
least common multiple
least squares
leastways
leastwise
leather
leatherback
leatherjacket
leatherleaf
leathern
leatherneck
leatherwood
leatherworker
leathery
leave
leave behind
leave of absence
leave off
leave out
leave-taking
leaved
leaven
leavening
leaves
leaving
leavings
lebkuchen
lecher
lecherous
lechery
lecithin
lecithinase
lect.
lectern
lection
lectionary
lector
lecture
lecturer
lectureship
lecythus
led
lederhosen
ledge
ledger
ledger board
ledger line
lee
lee shore
lee tide
leeboard
leech
leek
leek-green
leer
leery
lees
leet
leeward
leeway
left
left wing
left-hand
left-handed
left-hander
left-luggage office
leftist
leftover
leftward
leftwards
lefty
leg
leg bye
leg-of-mutton
leg-of-mutton sail
leg-pull
leg.
legacy
legal
legal aid
legal cap
legal chemistry
legal holiday
legal medicine
legal separation
legal tender
legalese
legalism
legality
legalize
legate
legatee
legation
legato
legator
legend
legendary
leger line
legerdemain
leges
legged
legging
leggy
leghorn
legibility
legible
legion
legionary
legionary ant
legionnaire
legislate
legislation
legislative
legislative assembly
legislator
legisatorial
legislature
legist
legit
legitimacy
legitimate
legitimatize
legitimist
legitimize
legman
legroom
legume
legumin
leguminous
legwork
lehr
lei
leishmania
leishmaniasis
leister
leisure
leisured
leisurely
leitmotif
leitmotiv
lek
leman
lemma
lemming
lemniscate
lemniscus
lemon
lemon balm
lemon drop
lemon geranium
lemon grass
lemon squash
lemon verbena
lemonade
lempira
lemur
lemures
lemuroid
lend
lend-lease
lending library
length
lengthen
lengthways
lengthwise
leniency
lenient
lenis
lenitive
lenity
leño
lens
lent
lentamente
lentic
lenticel
lenticular
lenticularis
lentiginous
lentigo
lentil
lentissimo
lento
leonine
leopard
leopard frog
leopard lily
leopard moth
leopard's-bane
leotard
leper
lepid-o-
lepidolite
lepidopteran
lepidopterous
lepidosiren
lepidote
leporid
leporide
leporine
leprechaun
leprosarium
leprose
leprosy
leprous
lepto-
lepton
leptophyllous
leptorrhine
leptosome
leptospirosis
lesbian
lesbianism
lese majesty
lesion
less
lessee
lessen
lesser
lesser panda
lesson
lessor
lest
let
let down
let in
let into
let off
let on
let out
let up
let's
letch
letdown
lethal
lethargic
lethargy
letter
letter box
letter carrier
letter drop
letter of advice
letter of credit
letter of introduction
letter of marque
letter-perfect
lettered
letterhead
lettering
letterpress
letters
letters patent
letters testamentary
lettuce
letup
leu
leucine
leucite
leuco base
leuco-
leucocratic
leucocyte
leucocytosis
leucoderma
leucoma
leucomaine
leucopenia
leucoplast
leucopoiesis
leucotomy
leukemia
leuko-
leukocyte
leukoderma
leukorrhea
lev
levant
levanter
levator
levee
level
level crossing
level line
level-headed
level-off
levelheaded
leveller
lever
leverage
leveret
leviable
leviathan
levigate
levin
levirate
levitate
levitation
levity
levo-
levorotation
levorotatory
levulose
levy
levy en masse
lewd
lewis
lewisite
lex
lex loci
lex non scripta
lex scripta
lex talionis
lex.
lexeme
lexical
lexical meaning
lexicog.
lexicographer
lexicography
lexicologist
lexicology
lexicon
lexicostatistics
lexigraphy
lexis
ley
lg.
lgth.
iliability
liabilities
liability
liability insurance
liable
liaison
liana
liar
liard
lib
lib.
libration
libeccio
libel
libelant
libele
libeler
libelous
liber
liberal
liberal arts
liberal education
liberalism
liberality
liberalize
liberate
libertarian
liberticide
libertinage
libertine
libertinism
liberty
liberty cap
libidinous
libido
libra
librarian
librarianship
library
library binding
library edition
library paste
library science
librate
libration
libratory
librettist
libretto
libriform
lice
licence
license
license plate
licensee
licentiate
licentious
lich gate
lichee
lichen
lichenin
lichenology
lich
licit
lick
lickerish
lickety-split
licking
lickspittle
licorice
lictor
lid
lidless
lido
lie
lie detector
lie down
lie in
lie to
lie up
lie-abed
lied
lief
liege
liegeman
lien
lientery
lierne
lieu
lieutenancy
lieutenant
lieutenant colonel
lieutenant commander
lieutenant general
lieutenant governor
lieutenant junior grade
life
life belt
life buoy
life cycle
life expectancy
life history
life instinct
life jacket
life mask
life net
life preserver
life raft
life science
life span
life table
life vest
life-and-death
life-giving
life-or-death
life-size
lifeblood
lifeboat
lifeguard
lightface
lighthearted
lighthouse
lighting
lightish
lightless
lightly
lightness
lightning
lightning arrester
lightning bug
lightning conductor
lightning rod
lightproof
lights
lights out
lightship
lightsome
lightweight
lignaloes
ligneous
ligni-
ligniform
lignify
lignin
lignite
lignocellulose
lignum vitae
ligroin
ligula
ligulate
ligule
ligure
likable
like
like-minded
likelihood
likely
liken
likeness
likewise
liking
likker
lilac
liliaceous
lilt
lily
lily iron
lily of the valley
lily pad
lily-livered
lily-trotter
lily-white
lima bean
limacine
limb
limbate
limber
limber hole
limber up
limbic
limbo
limbus
lime
lime burner
limeade
limekiln
limelight
limen
limerick
limes
limestone
limewater
limey
limicoline
limicolous
liminal
limit
limit point
limit switch
limitary
limitation
limitative
limited
limited company
limited edition
limited liability
limited monarchy
limited payment insurance
limiter
limiting
limitless
limn
limner
limnetic
limnology
limonene
limonite
limousine
limp
limpet
limpid
limpkin
limulus
limy
lin.
lineage
linalool
linchpin
linctus
lindane
linden
lindy
line
line drawing
line drive
line engraving
line gauge
line of battle
line of credit
line of fire
line of force
line of position
line of scrimmage
line of sight
line of vision
line squall
line storm
line-of-battle ship
line-up
lineage
lineal
lineament
linear
linear accelerator
linear algebra
linear measure
linear perspective
linear programming
linearity
lineate
lineation
linebacker
linebreeding
lineman
linen
linen closet
linen paper
lineolate
liner
lines
linesman
lineup
ling
ling.
lingam
lingcod
linger
lingo
lingerie
lingonberry
lingua
lingua franca
lingual
linguiform
linguini
linguist
linguistic
linguistic atlas
linguistic form
linguistic geography
linguistician
linguistics
lingulate
liniment
linin
lining
link
link motion
linkage
linkboy
linked
linking verb
linkman
links
linkwork
inn
linnet
linocut
linoleic acid
linoleum
linsang
linseed
linseed oil
linsey-woolsey
linstock
lint
lintel
linter
lintwhite
lion
lion's share
lioness
lionfish
lionhearted
lionize
lip
lip reading
lip service
lip-
lip-read
lipase
lipid
lipo-
lipocaic
lipography
lipoid
lipolysis
lipoma
lipophilic
lipoprotein
lipstick
liq.
liquate
liquefacient
liquefied petroleum gas
liquefy
liquesce
liquescent
liqueur
liquid
liquid air
liquid crystal
liquid fire
liquid glass
liquid measure
liquid oxygen
liquid petrolatum
liquidambar
liquidate
literator
literature
lith.
litharge
lithe
lithesome
lithia
lithia water
lithiasis
lithic
lithium
litho
litho-
litho.
lithograph
lithographer
lithography
lithoid
lithol.
lithology
lithomarge
lithometeor
lithophyte
lithopone
lithosphere
lithotomy
lithotrity
litigable
litigant
litigate
litigation
litigious
litmus
litmus paper
litotes
litre
litter
litterbug
little
little finger
little hours
little man
little office
little owl
little people
little slam
little theater
littlest
littoral
liturgical
liturgics
liturgist
liturgy
lituus
litz wire
livable
live
live load
live oak
live steam
live together
live wire
livelihood
livelong
lively
liven
liver
liver extract
liver fluke
liver sausage
liveried
liverish
liverwort
liverwurst
livery
livery stable
liveryman
lives
livestock
livid
living
living death
living picture
living room
living wage
livraison
livre
lixiviate
lixivium
lizard
ll.
llama
llano
lm
ln
lo
loach
load
load displacement
load factor
load line
loaded
loader
loading
loading coil
loads
loadstar
loadstone
loaf
loafer
loaiasco
loam
loan
loan office
loan shark
loan translation
loan word
loaning
loath
loathe
loathing
loathly
loathsome
loaves
lob
lobar
lobar pneumonia
lobate
lobation
lobby
lobbyism
lobbyist
lobe
lobectomy
lobelia
lobeline
loblolly
loblolly boy
lobo
lobotomy
lobscouse
lobster
lobster Newburg
lobster pot
lobster thermidor
lobster trick
lobule
lobworm
loc. cit.
local
local color
local government
local option
local oscillator
local time
locale
localism
locality
localize
locally
locate
location
locative
loch
lochia
loci
lock
lock out
lock step
lock stitch
lock up
lockage
locker
locker plant
locket
lockjaw
lockout
locksmit
lockup
loco
loco citato
loco disease
locosm
locomobile
locomotion
locomotive
locomotor
locomotor ataxia
locoweed
locular
locule
loculus
locum tenens
locus
locus classicus
locus sigilli
locus standi
locust
location
lode
laden
lodestar
lodestone
lodge
lodged
lodger
lodging
lodging house
lodgings
lodgment
lodicule
loess
loft
lofty
log
log canoe
log chip
log line
logan
logan stone
loganberry
loganiaceous
logarithm
logarithmic
logbook
loge
loggan stone
logger
loggerhead
loggia
logging
logia
logic
logical
logical positivism
logician
logicize
logion
logistic
logistician
long pig
long primer
long shot
long suit
long tom
long ton
long vacation
long wave
long-distance
long-drawn
long-drawn-out
long-eared owl
long-faced
long-headed
long-horned beetle
long-legged
long-limbed
long-lived
long-playing
long-range
long-sighted
long-standing
long-sufferance
long-suffering
long-term
long-term bond
long-winded
longan
longanimitly
longboat
longbow
longcloth
longe
longeron
longevity
longeuous
longhair
longhand
longicorn
longing
longish
longitude
longitudinal
longitudinal wave
longleaf pine
longs
longship
longshore
longshoreman
longsome
longspur
longueur
longways
longwise
loo
looby
look
look after
look back
look forward to
look on
look over
look through
look up
look-in
look-see
look-through
looker
looker-on
looking glass
lookout
loom
looming
loon
looney
loony
loony bin
loop
loop knot
looper
loophole
loopy
loose
loose end
loose smut
loose-jointed
loose-leaf
loose-limbed
loose-tongued
loosen
loosestrife
loosing
loot
lop
lop-eared
lope
lophobranch
lophophore
loppy
lopsided
loq.
loquacious
loquacity
loquat
loquitur
loran
lord
lord-in-waiting
lording
lordling
lordly
lordosis
lords-and-ladies
lordship
lore
lorgnette
lorgnon
lorica
loricate
lorikeet
lorimer
loris
lorn
lorry
lory
lose
lose out
losel
loser
losing
loss
loss leader
loss ratio
lost
lost cause
lost tribes
lost-wax process
lot
lota
loth
lotic
lotion
lots
lottery
love-lies-bleeding
lovebird
lovegrass
loveless
lovelock
lovelorn
lovely
lovemaking
lover
loverly
lovesick
lovesome
loving
loving cup
low
low brass
low camp
low comedy
low explosive
low frequency
low pitch
low profile
low relief
low tide
low water
low-down
low-grade
low-key
low-minded
low-necked
low-pitched
low-pressure
low-spirited
low-tension
low-water mark
lowborn
lowboy
lowbred
lowbrow
lower
lower case
lower chamber
lower class
lower criticism
lower deck
lower house
lower world
lower-case
ludicrous
lues
luetic
luff
luff tackle
luffa
lug
lug wrench
luge
luggage
lugger
lugsail
lugubrious
lugworm
lukewarm
lull
lullaby
lulu
lumbago
lumbar
lumber
lumber room
lumbering
lumberjack
lumberman
lumberyard
lumbricalis
lumbricoid
lumen
lumen-hour
luminance
luminary
luminesce
luminescence
luminescent
luminiferous
luminosity
luminous
luminous energy
luminous flux
luminous intensity
lumisterol
lummox
lump
lumpen
lumper
lumpfish
lumpish
lumpy
lumpy jaw
luna moth
lunacy
lunar
lunar caustic
lunar eclipse
lunar module
lunar month
lunar year
lunarian
lunate
lunatic
lunatic asylum
lunatic fringe
lunation
lunch
luncheon
luncheon meat
luncheonette
lunchroom
lune
lunette
lung
lungan
lunge
lungfish
lungi
lungworm
lungwort
lunisolar
lunitidal
lunitidal interval
lunkhead
lunula
lunular
lunulate
lupine
lupulin
lupus
lupus erythematosus
lupus vulgaris
lur
lurch
lurcher
lurdan
lure
lurid
lurk
luscious
lush
lushy
lust
luster
lusterware
lustful
lustihood
lustral
lustrate
lustre
lusteware
lustering
lustrous
lustrum
lusty
lusus naturae
lutanist
lute
luteal
luteinizing hormone
lutenist
luteolin
luteous
lutestring
lutetium
luthern
luting
lutist
lux
luxate
luxe
luxuriance
luxuriant
luxuriate
luxurious
luxury
lv.
lx
lycanthrope
lycanthropy
lyceum
lych gate
lychnis
lycopodium
lyddite
lye
lying
lying-in
lyme grass
lymph
lymph cell
lymph gland
lymphadenitis
lymphangial
lymphangitis
lymphatic
lympho-
lymphoblast
lymphocyte
lymphocytosis
lymphoid
lymphoma
lymphosarcoma
lyncean
lynch
lynch law
lynching
lynx
lynx-eyed
lyonnaise
lyophilic
lyophilize
lyophobic
lyrate
lyre
lyrebird
lyric
lyricism
lyricist
lyrism
lyrist
lys-
lyse
lysergic acid
lysergic acid diethylamide
lysimeter
lysin
lysine
lysis
lyso-
lysozyme
lyssa
lythraceous
lytic
mackle
macle
macro-
macrobiotic
macrobiotics
macroclimate
macrocosm
macrocytic anemia
macrogamete
macroscopy
macromolecule
macron
macronucleus
macrophage
macrophysics
macropterous
macroscopic
macropore
macruran
macula
maculate
maculation
macule
mad
mad staggers
madam
madame
madcap
madden
maddening
madder
madder lake
madding
made
made-up
mademoiselle
madhouse
madly
madman
madness
madras
madrepore
madrigal
madrigalist
maduro
madwort
maelstrom
maenad
maestoso
maestro
maestro di cappella
maffick
mag
mag.
magazine
magdalen
mage
magenta
maggot
maggoty
magi
magic
magic carpet
magic lantern
magical
magically
magician
magisterial
magistery
magistracy
magistral
magistrate
magma
magna cum laude
magnanimity
magnanimous
magnate
magnesia
magnesite
magnesium
magnesium oxide
magnet
magnetic
magnetic axis
magnetic bearing
magnetic circuit
magnetic compass
magnetic course
magnetic declination
magnetic dip
magnetic equator
magnetic field
magnetic flux
magnetic flux density
magnetic force
magnetic induction
magnetic meridian
magnetic mine
magnetic moment
magnetic needle
magnetic north
magnetic pickup
magnetic pole
magnetic potential
magnetic quantum number
magnetic storm
magnetic tape
magnetic variation
magnetics
magnetism
magnetite
magnetize
magneto
magnetocochemistry
magnetoelectricity
magnetograph
magnetohydrodynamics
magnetometer
magnetomotive
magnetomotive force
magneton
magnetostriiction
magnetron
magnific
magnification
magnificence
magnificent
magnifico
magnify
magnifying glass
magniloquent
magnitude
magnolia
magnoliaceous
magnum
magnum opus
magnus hitch
magpie
magus
maharaja
maharajah
maharanee
maharani
mahatma
mahstick
mahogany
mahout
maid
maid of honor
maid-in-waiting
maidan
maiden
maiden name
maiden over
maiden voyage
maidenhair
maidenhead
maidenhood
maidenly
maidservant
maieutic
maigre
mairhem
mail
mail car
mail order
mailable
mailbag
mailbox
mailed
mailer
mailing list
maillot
mailman
maim
main
main body
main course
main deck
main line
main yard
main-topmast
mainland
mainly
mainmast
mainsail
mainsheet
mainspring
mainstay
mainstream
maintain
maintenance
maintop
maiolica
maisonette
maitre d'hôtel
maize
majestic
majesty
majolica
major
major axis
major general
major league
major mode
major orders
major planet
major premise
major scale
major triad
major-domo
majordomo
majorette
majority
majuscule
make
make believe
make for
make off
make out
make over
make-believe
make-peace
makefast
maker
makeshift
makeup
makeweight
making
makings
mako
mal de mer
mal du pays
mal-
mala fide
mala fides
malachite
malaco-
malacology
mallemuck
malleolus
mallet
malleus
mallow
malM
malnsey
malnourished
malnutrition
malocclusion
malodorous
malonic acid
malonylurea
malpighiaceous
malposition
malpractice
malt
malt extract
malt liquor
maltase
malted milk
maltha
maltose
maltreat
malvaceous
malvasia
malversation
malvoisie
mam
mama
mama's boy
mamba
mambo
mamelon
mamey
mamma
mammal
mammalian
mammalogy
mammary
mammary gland
mammet
mammiferous
mammilla
mammillary
mammillate
mammon
mammoth
mammy
man
man Friday
man about town
man in the street
man of God
man of straw
man-at-arms
man-eater
man-eating
man-hour
man-made
man-of-war
man-sized
man-to-man
mana
manacle
manage
manageable
managed currency
management
manager
managerial
managing
managing editor
manakin
manana
manas
manatee
manchineel
manciple
mandamus
mandarin
mandate
mandatory
mandible
mandibular
mandola
mandolin
mandorla
mandragora
mandrake
mandrel
mandrill
manducate
mane
manes
maneuver
manful
manganate
manganese
manganese bronze
manganese steel
manganite
manganous
mange
manger
mangle
mango
manganel
mangosteen
mangrove
manhandle
manhole
manhood
manhood suffrage
manhunt
mania
maniac
maniacal
manic
manic-depressive
manicotti
manicure
manicurist
manifest
manifestation
manifestative
manifesto
manifold
manikin
manilla
manille
maniple
manipular
manipulate
manipulator
mankind
manlike
manly
manna
manned
mannequin
manner
mannered
mannerism
mannerless
mannerly
manners
mannikin
mannish
mannose
manoeuvre
manometer
manor
manor house
manpower
manque
manrope
mansard
manse
manservant
mansion
manslaughter
manlayer
manstopper
mansuetude
manta
manteau
mantel
mantelet
mantelleta
mantellone
mantelpiece
manteltree
mantic
mantilla
mantis
mantis shrimp
mantissa
mantle
mantle rock
mantling
mantra
mantua
manual
manual training
manubrium
manuf.
manufactory
manufacture
manufacturer
manumission
manunit
manure
manuscript
many
many-sided
manyplies
manzanilla
map
map out
map projection
maple
maple sugar
maple syrup
mapping
maquette
maquis
mar
mar.
mara
marabou
marabout
maraca
marasca
maraschino
maraschino cherry
marasmus
marathon
maraud
marauding
maravedi
marble
marble cake
marbleize
marbles
marbling
marc
marcasite
marcel
marcescent
march
march-past
marcher
marchesa
marchese
marching orders
marchioness
marchland
marchpane
marconigraph
mare
mare liberum
mare nostrum
mare's-nest
mare's-tail
maremma
marg.
margaric acid
margarine
margarite
margay
marge
margent
margin
marginal
marginalia
marginate
margrave
margravine
marguerite
mariage de convenance
marigold
marigraph
marijuana
marimba
marina
marinade
marinara
marinate
marine
marine engineer
marine insurance
mariner
mariner's compass
marionette
marish
marital
maritime
marjoram
mark
markdown
marked
marker
market
market garden
market gardening
market order
market price
market research
gmarket town
market value
marketable
marketing
marketplace
markhor
marking
markka
marksman
marksman
markswoman
markup
marl
marlin
marline
marlinespike
marlile
marmalade
dmallalade tree
marmet
marmoreal
marmoset
marmot
marocain
maroon
marplot
marque
marqueee
marquess
marquetry
marquis
marquisate
marquise
marquisette
marram grass
marriage
marriage of convenience
marriage portion
marriageable
married
marron
marrow
marrow squash
marrowbone
marrowfat
marry
marry off
marseilles
marsh
marsh elder
marsh fever
marsh gas
marsh harrier
marsh hawk
marsh hen
marsh mallow
marsh marigold
marshal
marshland
marshmallow
marshy
marsipobranch
marsupial
marsupium
mart
martellato
marten
martensite
martial
martial law
martin
martinet
martingale
martingale boom
martini
martlet
martyr
martyrdom
martyrize
martyrology
martyry
marvel
marvel-of-Peru
marvellous
marvelous
marzipan
masc.
mascara
mascle
mascon
mascot
masculine
masculine caesura
masculine rhyme
maser
mash
mashie
masjid
mask
maskanonge
masked
masked ball
masker
masking tape
masochism
mason
mason bee
masonic
masonry
masque
masquer
masquerade
mass
mass media
mass meeting
mass noun
mass number
mass spectrograph
mass spectrometer
mass spectroscope
mass-produce
massacre
massage
massasauga
masseter
masseur
masseuse
massicot
massif
massive
massotherapy
massy
mast
mast-
mastaba
mastectomy
master
master hand
master key
master of ceremonies
master of foxhounds
master sergeant
master stroke
master's degree
master-at-arms
masterful
masterly
mastermind
masterpiece
mastership
mastersinger
masterstroke
masterwork
mastery
masthead
mastic
masticate
masticatory
mastiff
mastigophoran
mastitis
masto-
mastodon
mastoid
mastoidectomy
mastoiditis
masturbate
masturbation
masurium
mat
matador
match
matchboard
matchbook
matchbox
matchless
matchlock
matchmaker
matchmark
matchwood
mate
matelot
matelote
mater dolorosa
materfamilias
materia medica
material
materialism
materialist
materiality
materialize
materially
materials
materiel
maternal
maternity
matey
math
math.
mathematical
mathematical expectation
mathematical logic
mathematician
mathematics
matin
matinee
mating
matins
matrass
matri-
matriarch
matriarchate
matriarchy
matrices
matriculate
matriculation
matrilateral
matrilineage
matrilineal
matrilocal
matrimonial
matrimony
matrimony vine
matrix
matroclinous
matron
matronage
matronize
matronly
matronymic
matt
matte
matted
matter
matter of course
matter of fact
matter-of-fact
matting
mattins
mattock
mattoid
mattress
maturate
maturation
mature
maturity
matutinal
matzo
maudlin
maugre
maul
maulstick
maun
maund
maunder
maundy
mausoleum
mauve
maverick
mavis
maw
mawkin
mawkish
max.
maxi
maxilla
maxillary
maxilliped
maxim
maximal
maximin
maximize
maximum
maxiskirt
maxwell
may
may tree
maya
mayapple
maybe
mayest
mayflower
mayfly
mayhap
mayhem
mayn't
mayonnaise
mayor
mayoralty
mype
mayst
mayweed
mazard
maze
mazer
mazuma
mazurka
mazy
mazzard
mb
me
mea culpa
mead
meadow
meadow fescue
meadow grass
meadow lily
meadow mouse
meadow mushroom
meadow rue
meadow saffron
meadowlark
meadowsweet
meager
meagre
meal
mealie
mealtime
mealworm
mealy
mealymouthed
mean
mean distance
mean free path
mean solar day
mean solar time
mean sun
mean time
meander
meandrous
meanie
meaning
meaningful
meaningless
meanly
means
means test
meant
meantime
meanwhile
meany
measles
measly
measurable
measure
measure off
measure out
measure up
measured
measureless
measurement
measurement ton
measures
measuring cup
measuring worm
meat
meatball
meathead
meatiness
meatman
meatus
meaty
mech.
mechanic
mechanic's lien
mechanical
mechanical advantage
mechanical drawing
mechanical engineer
mechanical engineering
mechanician
mechanics
mechanism
mechanist
mechanistic
mechanize
mechanotherapy
med.
medal
medal play
medalist
medallion
medallist
meddle
meddlesome
media
mediacy
mediaeval
medial
median
median strip
mediant
mediate
mediation
mediative
mediatize
mediator
mediatorial
mediatory
medic
medicable
medical
medical examiner
medical jurisprudence
medicament
medicate
medication
medicinal
medicine
medicine ball
medicine man
medick
medico
medico-
medieval
medievalism
medievalist
mediocre
mediocrity
meditate
meditation
medium
medium bomber
medium frequency
medium of exchange
medium shot
medius
medlar
medley
medulla
medulla oblongata
medullary
medullary sheath
medullated
medusa
meed
meek
meerkat
meerschaum
meet
meeting
meetinghouse
meetly
mega-
megacycle
megadeath
megagamete
megalith
megalo-
megalocardia
megalomania
megalopolis
megaphone
megaron
megasporangium
megaspore
megasporophyll
megass
megathere
megaton
megavolt
megawatt
megillah
megilp
megohm
megrim
megrimss
meiny
meiosis
mel
melamed
melamine
melamine resin
melancholia
melancholic
melancholy
melanic
melanin
melanism
melanite
melano-
melanochroi
melanoid
melanoma
melanosis
melanous
melaphyre
melatonin
meld
melee
mctic
melilot
melinite
meliorate
melioration
meliorism
melisma
melliferous
mellifluent
mellifluous
mellophone
mellow
melodeon
melodia
melodic
melodic minor scale
melodics
melodion
melodious
melodist
melodize
melodrama
melodramatic
melodramatize
melody
meloid
melon
melt
meltage
melting point
melting pot
melton
meltwater
mem
mem.
member
membership
membrane
membrane bone
membranophone
membranous
memento
memento mori
memo
memoir
memoirs
memorabilia
memorable
memorandum
memorial
memorial park
memorialist
memorialize
memoried
memorize
memory
memory bank
memory span
memory trace
men
men's room
menace
menadione
menagerie
menarche
mend
mendacious
mendacity
mendelevium
mender
mendicant
mendicity
mending
mene
menfolk
menhaden
menhir
menial
meninges
meningitis
meniscus
menispermaceous
menology
menopause
menorah
menorrhagia
mensal
menses
menstrual
menstruate
menstruation
menstruum
mensurable
mensural
mensuration
menswear
mental
mental age
mental block
mental deficiency
mental healing
mental hospital
mental reservation
mental retardation
mentalism
mentalist
mentality
mentally
menthol
mentholated
menticide
mention
mentor
menu
meow
meperidine
mephitic
mephitis
meprobamate
merbromin
mercantile
mercantile agency
mercantile paper
mercantilism
mercaptide
mercaptopurine
mercenary
mercer
mercerize
merchandise
merchandising
merchant
merchant bank
merchant marine
merchant navy
merchant ship
merchantable
merchantman
merciful
merciless
mercurate
mercurial
mercurialism
mercurialize
mercuric
mercuric chloride
mercuric oxide
mercurous
mercurous chloride
mercury
mercury chloride
mercury fulminate
mercury-vapor lamp
mercy
mercy killing
mercy seat
mere
merely
merengue
meretricious
merganser
merge
merger
meridian
meridian circle
meridional
meringue
merino
meristem
meristic
merit
merit system
merited
meritocracy
meritorious
merits
merle
merlin
merlon
mermaid
mermaid’s purse
merman
mero-
meroblastic
merocrine
merozoite
merriment
merry
merry dancers
merry-andrew
merry-go-round
merrymaker
merrymaking
merrythought
mes-
mesa
mesarch
mescal
mescaline
mesdames
mesdemoiselles
meseems
mesencephalon
mesenchyme
mesentery
mesh
mesh knot
meshuga
meshwork
mesial
mesic
mesitylene
mesmerism
mesmerize
mesnalty
mesne
mesne lord
meso-
mesoblast
mesocarp
mesocratic
mesoderm
mesoglea
mesognathous
mesomorph
mesomorphic
meson
mesonephros
mesopause
mesosphere
mesothelium
mesothorax
mesothorium
mesotron
mesquite
mess
mess hall
mess jacket
mess kit
message
messaline
messenger
messenger RNA
messieurs
messily
messmate
messroom
messuage
messy
mestee
mestizo
met
met.
meta-
metabolic
metabolism
metabolite
metabolize
metacarpal
metacarpus
metacenter
metachromatism
metagalaxy
metage
metagenesis
metagnathous
metal
metal.
metalanguage
metalepsis
metalinguistic
metalinguistics
metallic
metallic soap
metalliferous
metalline
metallist
metallize
metallo-
metallography
metalloid
metallophone
metallurgy
metalware
metalworking
metamathematics
metamer
metameric
metamerism
metamorphic
metamorphism
metamorphose
metamorphosis
metanephros
metaph.
metaphase
metaphor
metaphosphate
metaphrase
metaphrast
metaphysic
metaphysical
metaphysics
metaplasia
metaplasm
metaprotein
metapsychology
metasomatism
metastasis
metastasize
metatarsal
metatarsus
metatherian
metathesis
metathesize
metaxylem
mete
metempirics
metempsychosis
metencephalon
meteor
meteor shower
meteor swarm
meteoric
meteoric shower
meteorite
meteoritics
meteorograph
meteoroid
meteorol.
meteorology
meter
methacrylate
methacrylate resin
methacrylic acid
methadone
methaemoglobin
methane
methane series
methanol
methenamine
methinks
methionine
method
methodical
methodize
methodology
methoxy DDT
methoxychlor
methyl
methyl alcohol
methyl bromide
methyl chloride
methyl ethyl ketone
methyl isobutyl ketone
methyl orange
methyal
methylamine
methylated spirits
methyline
methylene blue
methylnapthalene
metic
meticulous
metonym
metonymy
metope
metopic
metralgia
metre
metric
metric hundredweight
metric system
metric ton
metrical
metrics
metrify
metrist
metritis
metro
metro-
metrology
metronome
metronymic
metropolis
metropolitan
metrorrhagia
mettle
mettlesome
mew
mewl
mews
mezcaline
mezereon
mezereum
mezuzah
mezza voce
mezzanine
mezzo
mezzo-relievo
mezzo-rilievo
mezzo-soprano
mezzotint
mf
mfd.
mg
mho
mi
mi.
miaow
miasma
mica
mice
micelle
micra
micro-
microampere
microanalysis
microbalance
microbarograph
microbe
microbicide
microbiology
microchemistry
microcircuit
microclimate
microclimatology
microcline
micrococcus
microcopy
microcosm
microcosmic salt
microcrystalline
microcurie
microcyte
microdont
microdot
microeconomics
microelectronics
microelement
microfarad
microfiche
microfilm
microgamete
microgram
micrography
microgroove
microhenry
microlith
micrometeorite
micrometeorology
micrometer
micrometer caliper
micrometer screw
micrometry
micromho
micromillimeter
microminiaturization
micron
micronucleus
micronutrient
microorganism
micropaleontology
microparasite
micropathology
microphone
microphotograph
microphysics
middlebuster
middleman
middlemost
middleweight
middling
middlings
middy
middy blouse
midge
midget
midgut
midi
midinette
midiron
midland
midmost
midnight
midnight blue
midnight sun
midpoint
midrash
midrib
midriff
midsection
midship
midshipman
midshipmite
midships
midst
midstream
midsummer
midterm
midtown
midway
midweek
midwife
midwife toad
midwifery
midwinter
midyear
mien
miff
miffy
mig
might
mightily
mighty
mignon
mignonette
migraine
migrant
migrate
migration
migratory
mihrab
mikado
mike
mikvah
mil
mil.
milady
milch
milch cow
mild
mild steel
milden
mildew
mile
mileage
milepost
miler
miles gloriosus
milestone
miliaria
miliary
miliary tuberculosis
milieu
milit.
militant
militarism
militarist
militarize
military
military academy
military government
military law
military march
military pace
military police
military school
military science
militate
militia
militiaman
milium
milk
milk bar
milk chocolate
milk fever
milk glass
milk leg
milk of magnesia
milk punch
milk run
milk shake
milk sickness
milk snake
milk sugar
milk thistle
milk tooth
milk train
milk vetch
milk-and-water
milk-livered
milk-white
milker
milkfish
milking stool
milkmaid
milkman
milksop
milkweed
milkwort
milky
mill
mill wheel
millboard
milldam
milled
milenarian
milenarianism
millenary
millennial
millennium
millepede
millepore
miller
millerite
millesimal
millet
milli-
milliard
milliary
millibar
millieme
milligram
millihenry
milliliter
millimeter
millimicron
milline
milliner
millinery
milling
milling machine
million
millionaire
millipede
millisecond
millpond
millrace
millrun
millstone
millstream
millwork
millwright
milo
milord
milquetoast
milreis
milt
milter
mime
mimeograph
mimesis
mimetic
mimic
mimicry
mimosa
mimosaceous
min
min.
mina
minacious
minaret
minatory
mince
mincemeat
mincing
mind
mind deafness
mind's eye
mind-expanding
minded
mindful
mindless
mine
mine detector
minefield
minelayer
miner
mineral
mineral charcoal
mineral kingdom
mineral oil
mineral pitch
mineral spring
mineral tar
mineral water
mineral wax
mineral.
mineralize
mineralogist
mineralogy
mineraloid
minestrone
minesweeper
mingle
mingy
mini
mini-
miniature
miniature camera
miniature photography
miniaturist
miniaturize
minicam
minify
minim
minima
minimal
minimize
minimum
minimum wage
minimus
mining
mining geology
minion
miniskirt
mischief-maker
mischievous
miscible
misconceive
misconception
misconduct
misconstruction
misconstrue
miscount
miscreance
miscreant
miscreated
miscue
misdate
misdeal
misdeed
misdeem
misdemean
misdemeanant
misdemeanor
misdirect
misdirection
misdo
misdoing
misdoct
mise
miser
miserable
misericord
miserly
miserly
misesteem
misestimate
misfeasance
misfeason
misfeason
misfile
misfire
misfit
misfortune
misgive
misgiving
misgovern
misguidance
misguide
misguided
mishandle
mishap
mishear
mishmash
misinform
misinterpret
misjoinder
misjudge
mislay
misleading
mislike
mismanage
mismatch
mismate
misname
mismomer
miso-
misogamy
misogynist
misogyny
misology
mispickel
misplace
misplaced modifier
misplay
misperading
misprint
misprision
misprize
mispronounce
misquotation
misquote
misread
misreckon
misreport
misrepresent
misrule
miss
miss out
missal
missal stand
missel thrush
missend
misshape
misshapen
missile
missilery
missing
missing link
mission
missionary
missionary apostolic
missioner
missis
missive
misspeak
misspell
misspend
misstate
misstep
missus
missy
mist
mistakable
mistake
mistaken
miteach
mister
mistime
mistle thrush
mistletoe
mistook
mistral
mistranslate
mistreat
mistress
mistrial
mistrust
mistrustful
misty
misunderstand
misunderstanding
misunderstood
misusage
misuse
misvalue
mite
miter
miter box
miterwort
mither
mithridate
mithridatism
miticide
mitigate
mitis
mitochondrion
mitosis
mitrailleuse
mitral insufficiency
mitral stenosis
mitral valve
mitre
mitrewort
mitt
mitten
mittimus
mitzvah
mix
mix-up
mixed
mixed bag
mixed blessing
mixed bud
mixed farming
mixed grill
mixed marriage
mixed number
mixed-up
mixer
mixologist
mixolydian mode
mixture
mizzen
mizzenmast
mizzle
mk.
mkt.
ml
ml.
nm
mm.
mneme
mnemonic
mnemonics
mo
mo.
moa
moan
moat
mob
mobcap
mobile
mobile home
mobile unit
mobility
mobilize
mobocracy
mobster
moccasin
moccasin flower
mocha
mock
mock moon
mock orange
mock sun
mock turtle soup
mock-heroic
mock-up
mockery
mockingbird
mod
mod.
modal
modal auxiliary
modality
mode
model
modeling
moderate
moderate breeze
moderate gale
moderation
moderato
moderator
modern
modern dance
modern jazz
modernism
modernistic
modernity
modernize
modest
modesty
modicum
modification
modifier
modify
modillion
modiolus
modish
modiste
modular
modulate
modulation
modulator
module
modulus
modulus of elasticity
modulus of rigidity
modus operandi
modus vivendi
mofette
mog
mogul
mohair
mohur
moidore
moiety
moil
moire
moist
moisten
moisture
moke
mol
mol.
mol. wt.
mola
molal
molality
molar
molarity
molasses
mold
moldboard
molder
molding
moldy
mole
mole cricket
molecular
molecular beam
molecular biology
molecular distillation
molecular film
molecular formula
molecular volume
molecular weight
molecule
molehill
moleskin
moleskins
molest
moline
moll
molluscent
mollify
mollusc
molluscod
molly
mollycoddle
molt
molten
moly
molybdate
molybdenite
molybdenous
molybdenum
molybdic
molybdous
mom
moment
moment of truth
momentarily
momentary
momently
momentous
momentum
momism
mon-
mon.
monachal
monachism
monacid
monad
monadelphous
monadism
monadnock
monandrous
monandry
monanthonous
monarch
monarchal
monarchism
monarchist
monarchy
monarda
monas
monastery
monastic
monasticism
monatomic
monaural
monaxial
monazite
monde
monecious
monetary
monetary unit
money
money market
money of account
money order
moneybag
moneybags
moneychanger
moneyed
moneyer
moneylender
moneymaker
moneymaking
moneywort
mong
monger
mongo
mongolism
mongoloid
mongoose
mongrel
mongrelize
monied
monies
moniker
moniliform
monism
monition
monitor
monitorial
monitorly
monk
monk's cloth
monkery
monkey
monkey bread
monkey business
monkey flower
monkey jacket
monkey nut
monkey puzzle
monkey rail
monkey suit
monkey wrench
monkeypot
monkfish
monkhood
monkish
monkshood
mono
mono-
monoacid
monoatomic
monobasic
monocarpic
monochasium
monochloride
monochord
monochromat
monochromatic
monochromatism
monochrome
monocle
monoclinous
monocoque
monocot
monocotyledon
monocular
monoculture
monocycle
monocyclic
monocyte
monodic
monodrama
monody
monofilament
monogamist
monogamous
monogamy
monogenesis
monogenetic
monogenic
monogram
monograph
monogyny
monohydric
monohydroxy
monoicous
monolatry
monolayer
monolingual
monolith
monolithic
monologue
monomania
monomer
monomeric
monometallic
monometallism
monomial
monomolecular
monomorphic
mononuclear
mononucleosis
monopetalous
monophagous
monophonic
monophony
monophthong
monophyletic
monoplane
monoplegia
monoploid
monopode
monopolist
monopolize
monopoly
monopteros
monorail
monosaccharide
monosepalous
monosodium glutamate
monosome
monospermous
monostich
monostome
monostrophe
monostylyous
monosyllabic
monosyllable
monosymmetric
monotheism
monotint
monotone
monotonous
mortality
mortality table
mortar
mortarboard
mortgage
mortgage bond
mortgagee
mortgagor
mortician
mortification
mortify
mortise
mortise lock
mortmain
mortuary
morula
mosaic
mosaic gold
mosasaur
moschatel
mosey
mosque
mosquito
mosquito boat
mosquito fleet
mosquito hawk
mosquito net
moss
moss pink
moss rose
moss-grown
mossback
mossbunker
mosstrooper
mossy
most
mostly
mot
mot juste
mote
motel
motet
moth
moth-eaten
mothball
mother
mother country
mother of vinegar
mother superior
mother tongue
mother wit
mother-in-law
mother-of-pearl
motherhood
mothering
motherland
motherless
motherly
motherwort
mothly
motif
motile
motion
motion picture
motion sickness
motion study
motionless
motivate
motivation
motive
motive power
motivity
motley
motmot
motoneuron
motor
motor coach
motor court
motor scooter
motor truck
motor vehicle
motor vessel
motorbike
motorboat
motorboating
motorbus
motorcade
motorcar
motorcycle
motoring
motorist
motorize
motorman
motorway
motte
mottle
mottled
motto
motu proprio
moue
mouflon
moujik
mould
moulder
moulding
mouldy
moulin
moult
mound
mount
mountain
mountain ash
mountain cat
mountain chain
mountain goat
mountain laurel
mountain lion
mountain range
mountain sheep
mountain sickness
mountaineer
mountaineering
mountainous
mountainside
mountaintop
mountebank
mounting
mourn
mourner
mourners’ bench
mournful
mourning
mourning band
mourning cloak
mourning dove
mouse
mouse deer
mouse-ear
mousebird
mouser
mousetail
mousetrap
mousey
moussaka
mousse
mousseline
mousseline de laine
mousseline de soie
moustache
mousy
mouth
mouth organ
mouth-watering
mouthful
mouthpart
mouthpiece
mouthwash
mouthy
mouton
movable
movable-do system
move
move in
move out
movement
mover
movie
movie camera
movie house
moving
moving picture
moving staircase
mow
mow down
mown
moxa
moxie
mozzarella
mozzetta
mtg.
mu
mu meson
much
muchness
mucilage
mucilaginous
mucin
muck
mucker
muckrake
muckraker
muckworm
mulatto
mulberry
mulch
mulct
mule
mule deer
mule skinner
muleteer
muley
muliebrity
mulish
mull
mullah
mullein
muller
mullet
mulley
mulligan
mulligatawny
mulligrubs
mullion
mullite
mullock
multi-
multiangular
multicellular
multicolor
multicolored
multidisciplinary
multifaceted
multifarious
multifid
multiflora rose
multiflorous
multifoil
multifold
multifoliate
multiform
multilateral
multilingual
multimillionaire
multinational
multinuclear
multipara
multiparous
multipartite
multiped
multiphase
multiple
multiple alleles
multiple factors
multiple personality
multiple sclerosis
multiple voting
multiple-choice
multiplex
multiplicand
multiplicate
multiplication
multiplication sign
multiplicity
multiplier
multiply
multipurpose
multiracial
multistage
multitude
multitudinous
multivalent
multiversity
multivibrator
multivocal
multum in parvo
multure
mum
mumble
mumblety-peg
mumbo jumbo
mummer
mummery
mummify
mummy
mump
mumps
mun.
munch
mundane
municipal
municipality
municipalize
munificent
muniment
muniments
munition
munitions
muntin
muntjac
muon
murage
mural
murder
murderous
mure
murex
muriate
muriatic acid
muricate
murine
murk
murky
murmur
murmuration
murmurous
murphy
murrain
murre
murrelet
murrey
murrhine
murrhine glass
murther
mus.
musaceous
muscadel
muscadine
muscae volitantes
muscarine
muscat
muscotel
muscid
muscle
muscle sense
muscle-bound
muscovado
muscular
muscular dystrophy
musculature
muse
museology
musette
musette bag
museum
museum piece
mush
mushroom
mushroom anchor
mushroom cloud
mushy
music
music box
music drama
music hall
music of the spheres
music paper
music roll
music stand
musical
musical box
musical chairs
musical comedy
musicale
musician
musicianship
musicology
musing
musjid
musk
musk deer
musk ox
musk turtle
muskeg
muskellunge
musket
musketeer
musketry
muskmelon
muskrat
musky
muslin
musquash
muss
mussel
must
mustache
mustachio
mustang
mustard
mustard gas
mustard oil
mustard plaster
mustee
musteline
mycobacterium
mycol.
mycology
mycorrhiza
mycosis
mydriasis
mydriatic
myel-
myelencephalon
myelin sheath
myelitis
myeloid
myiasis
mylohyoid
mylonite
myna
myo-
myocardial infarction
myocardiograph
myocarditis
myocardium
myogenic
myoglobin
myology
myopia
myopic
myosin
myosotis
myotome
myotonia
myriad
myriagram
myriameter
myriapod
myrica
myrmeco-
myrmecology
myrmecophagous
myrmidon
myrobalan
myrrh
myrtaceous
myrtle
myself
mystagogue
mysterious
mystery
mystery play
mystic
mystical
mysticism
mystify
mystique
myth
myth.
mythical
mythicize
mythify
mythological
mythologize
mythology
mythomania
mythopoeia
mythopoeic
mythos
myxedema
myxoma
myxomatosis
myxomycete
n
n'importe
n.
n.d.
n.p.
n.s.
nab
nabob
nacelle
nacre
nacred
nacreous
nacreous cloud
nadir
nae
naevus
nag
nagana
nagging
nagual
naiad
naif
nail
nail down
nail file
nail polish
nail set
nail-biting
nailbrush
nailhead
nainsook
naissant
naive
naivete
naked
naker
namby-pamby
name
name day
name-calling
name-dropper
name-dropping
nameless
namely
nameplate
namesake
nance
nancy
nankeen
nanny
nanny goat
nano-
nanoid
nanosecond
naos
nap
napalm
nape
napery
naphtha
naphthalene
naphthol
naphthyl
napiform
napkin
napoleon
nappe
napper
nappy
narcine
narcissism
narcissus
narco-
narcoanalysis
narcolepsy
narcoma
narcole
narcosis
narcosynthesis
narcotic
narcotism
narcotize
nard
nardoo
nares
narghile
narial
narrate
narration
narrative
narrow
narrow gauge
narrow-minded
narrows
narthex
narwhal
nasal
nasal index
nasalize
nascent
naseberry
nasion
nasopharynx
nasturtium
nasty
natal
natality
natant
natation
natator
natatorial
natatorium
natatory
natch
nates
natheless
nation
national
national anthem
national bank
national debt
national forest
national income
national park
nationalism
nationalist
nationality
nationalize
nationwide
native
native-born
nativism
nativity
natl.
natron
natter
natterjack
natty
natural
natural child
natural childbirth
natural death
natural gas
natural gender
natural history
natural language
natural law
natural number
natural philosophy
natural realism
natural resources
natural right
natural rubber
natural science
natural selection
natural theology
natural virtues
naturalism
naturalist
naturalistic
naturalize
naturally
nature
nature study
nature worship
naturism
naturopathy
naught
naughty
naumachia
nauplius
nausea
nauseate
nauseating
nauseous
naut.
nautch
nautical
nautical mile
nautilus
nav.
naval
navar
nave
navel
navel orange
navelwort
navicert
navicular
navig.
navigable
navigate
navigation
navigator
navvy
navy
navy bean
navy blue
navy plug
navy yard
nawab
nay
naya paisa
ne plus ultra
ne'er
ne'er-do-well
neap
neap tide
near
near beer
near miss
near rhyme
near thing
nearby
nearly
nearsighted
neat
neat's-foot oil
neaten
needle valve
needlecraft
needlefish
needleful
needlepoint
needless
needlewoman
needlework
needs
needy
nefarious
negate
negation
negative
negative feedback
negativism
negatron
neglect
neglectful
negligee
negligence
negligent
negligible
negotiable
negotiant
negotiate
negotiation
negus
neigh
neighbor
neighborhood
neighboring
neighborly
neither
nektion
nelly
nelson
nem. con.
nemathelminth
nematic
nemato-
nematode
nemertean
nemesis
nemine dissentiente
neoarsphenamine
neoclassic
neoclassicism
neocolonialism
neodymium
neoimpressionism
neolith
neologism
neologize
neology
neomycin
neon
neon lamp
neonatal
neonate
neophyte
neoplasm
neoplasticism
neoplaszy
neoprene
neoteny
neoteric
neoterism
neoterize
neotype
nepenthe
neper
nepheline
nephelinite
nephelometer
nephew
nephogram
nephograph
nephology
neposcope
nephralgia
nephrectomy
nephridium
nephritic
nephritis
nephro-
nephrolith
nephron
nephrosis
nephrotomy
nepotism
neptunium
neral
neritic
neroli oil
nerval
nerve
ergas
nerve impulse
nerve-racking
nerveless
nerves
nervine
nervous
nervous breakdown
nervous prostration
nervous system
nervy
nescience
ness
nest
nest egg
nestle
nestling
net
net national product
net profit
net ton
nether
nether world
nethermost
netsuke
netting
netting knot
nettlesome
netty
network
neume
neural
neuralgia
neurasthenia
neurasthenic
neurilemma
neuritis
neuro-
neuroblast
neurocoele
neurogenic
neuoglia
neurogram
neurologist
neurology
neuroma
neuromuscular
neuron
neuropath
neuropathy
neurophysiology
neuropsychiatry
neurosis
neurosurgery
neurotic
neuroticism
neurotomy
neurovascular
neut.
neuter
neutral
neutral spirits
neutralism
neutrality
neutralization
neutralize
neutretto
neutrino
neutron
neutron star
neutrophil
never
never-never
nevermore
nevertheless
nevus
new
new broom
new criticism
new look
new moon
new wave
new-fashioned
new-mint
new-model
new-mown
newborn
newcomer
newel
newel post
newfangled
newfashioned
newish
newly
newlywed
newness
news
news agency
news conference
news service
newsboy
newscast
newsdealer
newsletter
newsmagazine
newsman
newsmonger
newspaper
newspaperman
newspaperwoman
newsprint
newsreel
newsstand
newsworthy
newsy
newt
newton
next
next friend
next of kin
nexus
niacin
nib
nibble
niblick
niccolite
nice
nicety
niche
nick
nickel
nickel plate
nickel silver
nickel-plate
nickelic
nickeliferous
nickelodeon
nickelous
nicker
nicknack
nickname
nicotiana
nicotine
nicotinic acid
nicotinism
nictitate
nictitating membrane
niddering
nide
nidicolous
nidifugous
nidify
nidus
niece
niello
nifty
niggard
niggardly
nigger
niggerhead
niggle
niggling
nigh
night
night blindness
night clothes
night crawler
night heron
night latch
night letter
night light
night owl
night raven
night robe
night school
night shift
night soil
night watch
night watchman
nightcap
nightclub
nightdress
nightfall
nightgown
nighthawk
nightie
nightingale
nightjar
nightlong
nipa
niphablepsia
nipper
nippers
nipping
nipple
nippy
nirvana
 nisi
 nisi prius
 nisus
 nit
 nit-picking
 niter
 nitid
 nitramine
 nitrate
 nitre
 nitric acid
 nitric bacteria
 nitric oxide
 nitride
 nitrating
 nitrification
 nitrile
 nitrite
 nitro-
 nitrobacteria
 nitrobenzene
 nitrochloroform
 nitrogen
 nitrogen cycle
 nitrogen dioxide
 nitrogen fixation
 nitrogen mustard
 nitrogen tetroxide
 nitrogenize
 nitrogenous
 nitroglycerin
 nitrohydrochloric acid
 nitrometer
 nitroparaffin
 nitrosamine
 nitroso
 nitrosyl
 nitrous
 nitrous acid
 nitrous bacteria
nitrous oxide
nitty
nitty-gritty
nitwit
nival
niveous
nix
no
no-account
no-good
no-man's-land
no-par
no-show
nob
nobby
nobelium
nobility
noble
noble savage
noble-minded
nobleman
noblesse
noblesse oblige
noblemwoman
nobody
nock
noctambulism
noctambulous
nocti-
noctiluca
noctilucent
noctule
nocturn
nocturnal
nocturne
nocuous
nod
nod off
nodal
noddle
noddy
node
nodical
nodose
nodular
node
nodus
noesis
noetic
nog
noggin
nogging
noil
noise
noiseless
noisemaker
noisette
noisome
noisy
nol-pros
nol. pros.
nolens volens
nolle prosequi
nom de guerre
nom de plume
nom.
noma
nomad
nomadic
nomadize
nomarch
nomarchy
nombres
nombril
nomen
nomenclator
nomenclature
nominal
nominal value
nominal wages
nominalism
nominate
nomination
nominative
nominee
nomism
nomo-
nomography
nomology
nomothetic
non compos mentis
non pros.
non prosequitur
non seq.
non sequitur
non troppo
non-
non-Euclidean geometry
non-U
non-pros
nonage
nonagenarian
nonaggression
nonagon
nonalcoholic
nonaligned
nonalignment
nonanoic acid
nonappearance
nonary
nonattendance
nonbeliever
nonbelligerent
nonce
nonce word
nonchalance
nonchalant
noncombatant
noncommissioned officer
noncommittal
noncompliance
nonconcurrency
noncondensing engine
nonconductor
nonconformance
nonconformist
nonconformity
noncontributory
noncooperation
nondescript
nondirective therapy
nondisjunction
none
noneffective
nonego
nonentity
nones
nonessential
nonesuch
nonet
nonetheless
nonexistence
nonfeasance
nonferrous
nonfiction  
nonflammable  
nonfulfillment  
nonillion  
noninterference  
nonintervention  
nonjoinder  
nonjuror  
nonlegal  
nonlinearity  
nonmaterial  
nonmetal  
nonmetallic  
nonmoral  
nonobedience  
nonobjective  
nonobservance  
nonoccurrence  
nonpareil  
nonparous  
nonparticipating  
nonparticipation  
nonpartisan  
nonpayment  
nonperformance  
nonperishable  
nonplus  
nonproductive  
nonprofessional  
nonprofit  
nonrecognition  
nonrepresentational  
nonresident  
nonresistance  
nonresistant  
nonrestrictive  
nonreturnable  
nonrigid  
nonscheduled  
nonsectarian  
nonsense  
nonsense verse  
nonsmoker  
nonstandard  
nonstop  
nonstriated  
nonsuch  
nonsuit
northward
northwards
northwest
northwest by north
northwest by west
northwester
northwesterly
northwestward
northwestwards
nose
nose cone
nose dive
nose out
nose ring
nose-dive
noseband
nosebleed
nosegay
nosepiece
nosewheel
nosey
nosh
nosing
nosography
nosology
nostalgia
nostoc
nostology
nostomania
nostril
nostrum
nosy
not
not-
nota bene
notability
notable
notarial
notarize
notary
notary public
notate
notation
notch
note
note broker
note of hand
note row
noway
nowhere
nowhither
nowise
nowt
noxious
noyade
nozzle
nr.
nt. wt.
nth
nu
nuance
nub
nubbin
nubble
nubbly
nubile
nubilous
nucellus
nuclear
nuclear energy
nuclear family
nuclear fission
nuclear fuel
nuclear fusion
nuclear isomer
nuclear magnetic resonance
nuclear physics
nuclear power
nuclear reaction
nuclear reactor
nuclear warhead
nuclease
nucleate
nuclit
nucleic acid
nucleo-
nucleolar
nucleolated
nucleolus
nucleon
nucleonics
nucleoplasm
nucleoprotein
nucleoside
nucleotidase
nucleotide
nucleus
nuclide
nude
nudge
nudi-
nudibranch
nudicaul
nudism
nudity
nudnik
nudum pactum
nugatory
nuggar
nugget
nuisance
nuisance tax
nuke
null
null and void
nullification
nullifidian
nullify
nullipore
nullity
nullius filius
numb
numbat
number
number one
number theory
numberless
numbers pool
numbfish
numbing
numbles
numbskull
numen
numerable
numeral
numerary
numerate
numeration
numerator
numerical
numerology
numerous
numinous
numis.
numismatics
numismatist
numismatology
nummary
nummular
nummulite
numskull
nun
nunatak
nunciature
nuncio
nuncle
nuncupative
nunhood
nunnery
nuptial
nuptials
nurse
nurse shark
nurse's aide
nursemaid
nursery
nursery rhyme
nursery school
nurserymaid
nurseryman
nursing home
nursling
nurture
nut
nut oil
nutation
nutbrown
nutcracker
nutgall
nuthatch
nuthouse
nutlet
nutmeg
nutmeg melon
nutpick
nutria
nutrient
nutrilite
nutriment
nutrition
nutritionist
nutritious
nutritive
ts
nutshell
nutting
nutty
nutwood
nux vomica
nuzzle
nyala
nyctaginaceous
nyctalopia
nyctophobia
nylghau
nylon
nylons
nymph
nympha
nymphalid
nymphet
nympho
nympholepsy
nymphomania
nymstagma
nymstagnus
nymstatin
o
o'clock
o'er
o.
o.e.
o.g.
o.p.
o.r.
o.s.
o/c
oaf
oak
oak apple
oaken
oakum
oar
oared
oarfish
oarlock
oarsman
oasis
oast
oat
oat grass
oatcake
oaten
oath
oatmeal
ob-
ob.
ob.
obligato
obcordate
obdt.
obduce
obdurate
obeah
obedience
obedient
obeisance
obelisk
obelize
obese
obey
obfuscate
obi
obit
obiter dictum
obituary
obj.
object
object ball
object glass
object lesson
objectify
objection
objectionable
objective
objectivism
objectivity
objet d'art
objurgate
oblast
oblate
oblation
obligate
obligation
obligato
obligatory
oblige
obligee
obliging
obliger
oblique
oblique angle
oblique motion
oblique sailing
obliquely
obliti
obliterate
obliteration
oblivion
oblivious
oblong
obloquy
obmutescence
obnoxious
obnubilate
oboe
oboe d'amore
oboe da caccia
obolus
obovate
obvoid
obreption
obs.
obscene
obscenity
obscurat
obscurantism
obscuration
obscure
obscurity
obsecure
obsequent
obsequies
obsequious
observable
observance
observant
observation
observation car
observation post
observatory
observe
observer
obsess
obsession
obsessive
obsidian
obsolesce
obsolescent
obsolete
obstacle
obstacle race
obstet.
obstetric
obstetrician
obstetrics
obstiny
obstinate
obstipation
obstreperous
obstruct
obstruction
obstructionist
obstruent
obtain
obtect
obtest
obtrude
obtrusive
obtund
obturate
obtuse
obtuse angle
obumbrate
obverse
obvert
obviate
obvious
obvolute
ocarina
occas.
ocasion
occasional
occasional table
occasionalism
occasionally
occcident
occidental
occipital
occipital bone
occipital lobe
occiput
occlude
occluded front
occlusion
occlusive
occult
occultation
occulting light
occultism
occupancy
occupant
occupation
occupational
occupational disease
occupational therapy
occupier
occupy
occur
occurrence
ocean
ocean marine insurance
ocean-going
oceanic
oceanog.
oceanography
ocelot
och
ocher
ochlocracy
ochlophobia
ochone
ochre
ochrea
ocotillo
ocrea
ocreate
oct.
octa-
octachord
octad
octagon
octagonal
octahedral
octahedrite
octahedron
octal
octamerous
octameter
octan
octane
octane number
octangle
octangular
octant
octarchy
octastyle
octavalent
octave
octavo
octennial
octet
octillion
octo-
octodecillion
octodecimo
octofoil
octogenarian
octonary
octopod
octopus
octoroon
octosyllabic
octosyllable
octroi
octuple
ocular
oculist
oculo-
oculomotor
oculomotor nerve
oculus
od
odalisque
odd
odd lot
oddball
oddity
oddment
odds
odds and ends
odds-on
ode
odeum
odious
odium
odometer
odontalgia
odontolblast
odontograph
odontoid
odontoid process
odontology
odor
odoriferous
odorous
odyl
oeecology
oedema
oceil-de-boeuf
oeillade
oenomel
oersted
oesophagus
oestradiol
oestrin
oestriol
oestrogen
oestrone
oeuvre
of
ofay
off
off Broadway
off chance
off limits
off season
off the record
off-center
off-color
off-load
off-off-Broadway
off-white
off.
offal
offbeat
offence
offend
offense
offenseless
offensive
offer
offering
offertory
offhand
office
office block
office boy
oil shale
oil slick
oilbird
oilcan
oilcloth
oilcup
oiler
oilskin
oilstone
oily
oink
ointment
oka
okapi
okay
oke
okra
old
old age
old boy
old chap
old country
old fogy
old girl
old gold
old hand
old hat
old lady
old maid
old man
old master
old rose
old school
old school tie
old soldier
old squaw
old stager
old style
old wives' tale
old woman
old-fashioned
old-line
old-time
old-timer
old-world
olden
older
oldest
oldfangled
oldie
oldster
oldwife
oleaceous
oleaginous
oleander
oleaster
oleate
olecranon
oleic
oleic acid
olein
oleo
oleo oil
oleo-
onegraph
oleomargarine
oleoresin
olericulture
oleum
olfaction
olfactory
olfactory bulb
obilanum
olid
oligarch
oligarchy
oligochaete
oligoclase
oligopoly
oligopsony
oligosaccharide
oliguria
olio
olivaceous
olive
olive branch
olive brown
olive drab
olive oil
olive-green
olivenite
olivine
olla
olla podrida
ology
oloroso
one-to-one
one-upmanship
one-way
oneiric
oneirocritic
oneiromancy
oneness
onerous
oneself
onetime
ongoing
onion
onion dome
onionskin
onlooker
only
only-begotten
onomasiology
onomastic
onomastics
onomatology
onomatopoeia
onrush
onset
onshore
onslaught
onstage
onto
onto-
onogeny
ontological argument
ontologism
ontology
onus
onus probandi
onward
onwards
onyx
oocyte
oodles
oof
oogenesis
oogonium
oolite
obile
oology
oomph
oomphectomy
oops
oosperm
oosphere
oospore
ootid
ooze
ooze leather
oozy
op art
op.
opacity
opah
opal
opal glass
opalesce
opalescent
opaline
opaque
opaque projector
ope
open
open chain
open circuit
open door
open hand knot
open letter
open market
open order
open policy
open primary
open secret
open sesame
open shop
open sight
open up
open-air
open-and-shut
open-eyed
open-faced
open-handed
open-heart surgery
open-hearted
open-hearth
open-hearth furnace
open-hearth process
open-minded
open-mouthed
opener
openhanded
opening
openwork
opera
opera buffa
opera cloak
opera glasses
opera hat
opera house
opera seria
operable
operand
operant
operant conditioning
operate
operatic
operating table
operation
operational
operations research
operative
operator
operand
operette
operon
operose
ophicleide
ophidian
ophiolatry
ophiology
ophite
ophthalmia
ophthalnic
ophthalmitis
ophthalmologist
ophthalmology
ophthalmoscope
ophthalmoscopy
opiate
opine
opinicus
opinion
opinion poll
opinionated
opinionative
opisthognathous
opium
opium poppy
opiumism
opossum
opp.
oppidan
oppilate
opponent
opportune
opportunism
opportunist
opportunity
opposable
oppose
opposite
opposite number
opposition
oppress
oppression
pressive
opprobrious
opprobrium
oppuhn
oppuignant
opsonic index
opsonin
opsonize
opt
opt out
optative
optic
optic nerve
optic thalamus
optical
optical activity
optical bench
optical glass
optical illusion
optical isomerism
optical maser
optical rotation
optician
optics
optimal
optime
optimism
optimist
optimistic
optimize
optimum
option
optional
optometer
optometrist
optometry
opulence
opulent
opuntia
opus
opuscule
oquassa
or
ora
ora pro nobis
oracle
oracular
oral
orang
orange
orange blossom
orange pekoe
orangeade
orangery
orangewood
orangutan
orangy
orate
oration
orator
oratorical
oratorio
oratory
orb
orbicular
orbiculate
orbit
orbital
orbital velocity
orcein
orch.
orchard
orchard grass
orchardist
orchardman
orchestra
orchestral
orchestrate
orchestrion
orchid
organized labor
organized militia
organizer
organo-
organogenesis
organography
organology
organometallic
organon
organotherapy
organza
organzine
orgasm
orgeat
orgiastic
orgulous
orgy
oriel
orient
oriental
orientate
orientation
orifice
oriflamme
orig.
origami
organ
origin
original
original sin
originality
originally
originate
originative
orinasal
oriole
orison
orle
orlop
ormolu
ornament
ornamental
ornamentation
ornamented
ornate
ornery
ornis
ornithic
ornithine
ornithischian
ornithol.
ornithology
ornithomancy
ornithopod
ornithopter
ornithorhynchus
ornithosis
oro-
orobanchaceous
orogeny
orography
orometer
orotund
orphan
orphanage
orphrey
orpiment
orpine
orrery
orris
orthicon
orthoboric acid
orthocephalic
orthochromatic
orthoclase
orthodontia
orthodontics
orthodontist
orthodox
orthodoxy
orthoepy
orthogenesis
orthogenetic
orthogenic
orthognathous
orthogonal
orthographize
orthography
orthohydrogen
orthopedic
orthopedics
orthopedist
orthophosphoric acid
orthopsychiatry
orthopter
orthopteran
orthopterous
orthoptic
orthorhombic
orthoscope
orthostichy
orthotropic
orthotropous
ortolan
orts
oryx
os
oscillate
oscillating universe theory
oscillation
oscillator
oscillatory
oscillogram
oscillograph
oscilloscope
oscine
oscitancy
oscitant
oscular
osculate
osculation
osculum
osier
osmic
osmious
osmium
osmometer
osmose
osmosis
osmotic pressure
osmunda
osprey
ossein
osseous
ossicle
ossiferous
ossification
ossified
ossifrage
ossify
ossuary
osteal
osteitis
ostensible
oto-
otocyst
otolaryngology
otolith
otology
otoplasty
otorhinolaryngology
otoscope
ottar
ottava
ottava rima
otter
otto
ottoman
ouabain
oubliette
ouch
oud
ought
oui
ounce
ouphe
our
ours
ourself
ourselves
ousel
oust
ouster
out
out of bounds
out of date
out of doors
out of pocket
out of print
out sister
out-
out-Herod
out-and-out
out-group
out-of-date
out-of-door
out-of-doors
out-of-the-way
out-relief
outage
outbalance
outbid
outboard
outboard motor
outbound
outbrave
outbreak
outbred
outbuilding
outburst
outcast
outcaste
outclass
outcome
outcrop
outcross
outcry
outcurve
outdare
outdate
outdated
outdistance
outdo
outdoor
outdoors
outer
outer ear
outer jib
outer space
outermost
outface
outfall
outfield
outfielder
outfight
outfit
outfitter
outflank
outflow
outfoot
outfox
outgeneral
outgo
outgoing
outgoings
outgrow
outgrowth
outguard
outguess
outhaul
outhouse
outing
outland
outlander
outlandish
outlast
outlaw
outlaw strike
outlawry
outlay
outleap
outlet
outlier
outline
outlive
outlook
outlying
outman
outmaneuver
outmarch
outmoded
outmost
outnumber
outpatient
outplay
outpoint
outport
outpost
outrigger
outrage
outrageous
outrange
outrank
outrace
outride
outrider
outrigger
outright
outroar
outrun
outrush
outsail
outsell
outsert
outset
outshine
oven
ovenbird
ovenware
over
over-the-counter
over-under
overabound
overabundance
overact
overactive
overage
overall
overalls
overanxious
overarch
overarm
overawe
overbalance
overbear
overbearing
overbid
overbite
overblouse
overblown
overboard
overbold
overbuild
overburden
overburdensome
overcapitalize
overcareful
overcast
overcasting
overcautious
overcharge
overcheck
overcloud
overcoat
overcome
overcompensation
overcritical
overcrop
overcurious
overdevelop
overdo
overdone
overdose
overdraft
overdraw
overdress
overdrive
overdue
overdye
overeager
overeat
overelaborate
overestimate
overexcite
overexpert
overexpose
overfeed
overfill
overflight
overflow
overfly
overglaze
overgrow
overgrowth
overhand
overhand knot
overhang
overhappy
overhasty
overhaul
overhead
overhear
overheat
overindulge
overissue
overjoy
overkill
overland
overlap
overlarge
overlay
overleap
overliberal
overlie
overline
overlive
overload
overlong
overlook
overlooker
overlord
overly
overlying
overman
overmantel
overmaster
overmatch
overmatter
overmeasure
overmodest
overnice
overnight
overpass
overpay
overplay
overplus
overpower
overpowering
overpraise
overprint
overprize
overnrate
overreach
overreact
overrefinement
override
overriding
overripe
overrule
overrun
overscore
overscrupulous
overseas
oversee
overseer
oversell
overset
oversew
oversexed
overshadow
overshine
overshoe
overshoot
overside
oversight
oversize
overskirt
overslaugh
oversleep
overword
overwork
overwrite
overwrought
overzealous
ovi-
oviduct
oviform
ovine
oviparous
oviposit
ovipositor
ovoid
ovolo
ovotestis
ovovitellin
ovoviviparous
ovular
ovule
ovum
ow
owe
owing
owl
owlet
owliness
own
owner
ownership
ox
ox-eyed
oxa-
oxalate
oxalic acid
oxalis
oxazine
oxblood
oxbow
oxcart
oxen
oxford
oxheart
oxidase
oxidate
oxidation
oxide
oxidimetry
oxidize
oxime
oxonium compound
oxpecker
oxtail
oxy-
oxycetylene
oxyacid
oxycephaly
oxygen
oxygen acid
oxygen mask
oxygen tent
oxygenate
oxyhydrogen
oxymoron
oxysalt
oxytetracycline
oxtoxic
oxytocin
oyer
oyer and terminer
oyez
oyster
oyster bed
oyster crab
oyster plant
oyster white
oystercatcher
oysterman
oz.
oz. ap.
oz. av.
ozone
ozonide
ozoniferous
ozonize
ozonolysis
ozonosphere
p
p's and q's
p.
p.a.
p.c.
p.d.
p.m.
p.q.
p.r.n.
p.t.

pH

pa

pabulum

pace

pacemaker

pacer

pacesetter

pacha

pachalic

pachisi

pachyderm

pachydermatous

pachysandra

pacific

pacifically

pacification

pacificism

pacifier

pacifism

pacifist

pacifistic

pacify

pack

pack ice

pack in

pack rat

package

package deal

package store

packaging

packer

packet

packhorse

packing

packing box

packing fraction

packing house

packsaddle

packthread

pact

paction

pad

padauk

padded cell

padding

paddle

paddle wheel
paddlefish
paddock
paddy
pademelon
padlock
padnag
padre
padrone
paduasoy
paean
paederast
paediatrician
paediatrics
paedo-
paedogenesis
paella
pacon
pagan
pagandom
paganism
paganize
page
pageant
pageantry
pageboy
paginal
paginate
pagination
pagoda
pagoda tree
pagurian
pah
pahoehoe
paid
pail
paillasse
paillette
pain
pained
painful
painkiller
painless
pains
painstaking
paint
paintbox
paintbrush
painted woman
painter
painter's colic
painterly
painting
painty
pair
pair production
pair royal
pair-oar
pairs
paisa
paisano
paisley
pajamas
pal
palace
palace revolution
paladin
palaeo-
palaeobotany
palaeography
palaeontography
palaeontol.
palaeontology
palaeozoology
palaestra
palais
palanquin
palatable
palatal
palatalized
palate
palatial
palatinate
palatine
palaver
palazzo
pale
paleethnology
paleface
paleo-
paleobiology
paleobotany
paleoclimatology
paleoecology
paleogeography
paleography
paleolith
paleontography
paleontology
paleopsychology
paleozoology
palestra
paletot
palette
palette knife
palfrey
palikar
palimpsest
palindrome
paling
palingenesis
palinode
palisade
palish
pall
pall-mall
palladic
palladium
palladous
pallbearer
pallet
pallet knife
pallette
palliasse
palliate
palliative
pallid
pallium
pallor
palm
palm oil
palm sugar
palm wine
palmaceous
palmar
palmary
palmate
palmation
palmer
palmette
palmetto
palmistry
palmitate
palmitin
palmy
palolo worm
palomino
palp
palpable
palpate
palpebrate
palpitant
palpitate
palpitation
palsgrave
palstave
palsy
palter
paltry
paludal
paly
pam.
pampa
pampas
pampas grass
pamper
pampero
pamphlet
pamphleteer
pan
pan gravy
pan-
panacea
panache
panada
panatella
pancake
pancake ice
panchromatic
pancratium
pancreas
pancreatic fibrosis
pancreatic juice
pancreatin
pancreatotomy
panda
pandanus
pandect
pandemic
pandemonium
pander
pandiculation
pandit
pandora
pandour
pandowdy
pandurate
pandybat
pane
panegyric
panegyrize
panel
panel heating
panel house
panel saw
panel truck
panelboard
paneling
panelist
panettone
panfish
pang
panga
pangnosis
pangolin
panhandle
panic
panic-stricken
panicle
paniculate
panier
panjandrum
panlogism
panne
pannier
pannikin
panocha
panoply
panoptic
panorama
panoramic sight
panpipe
panpsychist
pansophy
pansy
pant
pantalets
pantaloon
pantaloons
pantechnicon
pantelegraph
pantheism
pantheon
panther
pantie
panties
pantile
pantisocracy
panto
pantograph
pantomime
pantomimist
pantothenic acid
pantry
pants
pantsuit
panty girdle
pantywaist
panzer
pap
papa
papacy
papain
papal
papal cross
papaveraceous
papaverine
papaw
papaya
paper
paper chase
paper doll
paper knife
paper money
paper mulberry
paper tiger
paperback
paperboard
paperboy
paperhanger
paperweight
papery
papeterie
papilionaceous
papilla
papillary
papilloma
papillon
papillosc
papillote
papism
papist
papistry
papoose
pappose
pappus
pappy
paprika
papule
papryraceous
papyrology
papyrus
par
par excellence
par exemple
par value
par-
par.
para
para-
para-aminobenzoic acid
parabasis
parable
parabola
parabolic
parabolize
paraboloid
paracasein
parachronism
parachute
parade
paradiddle
paradigm
paradise
paradise fish
paradisiacal
parados
paradox
paradrop
paraesthesia
paraffin
paraffin wax
paraffinic
paraformaldehyde
paraglider
paragon
paragraph
paragrapher
paragraphia
parahydrogen
parakeet
paraldehyde
paralipomena
parallax
parallel
parallel bars
parallel sailing
parallelepiped
parallelism
parallelize
parallelogram
paralogism
paralyse
analysis
analysis agitans
paralytic
paralyze
paramagnet
paramagnetic
paramagnetism
paramatta
paramecium
paramedic
paramedical
parament
parameter
paramilitary
paramnesia
parano
dparamorph
paramorphism
paramount
paramour
parang
paranoia
paranoiac
paranoid
paranymph
parapet
paraph
paraphernalia
paraphrase
paraphrast
paraphrastic
paraplegia
parapodium
paraprofessional
parapsychology
parasang
paraselene
parasite
parasite drag
parasitic
parasiticide
parasitism
parasitize
parasitology
parasol
parasympathetic
parasynapsis
parasynthesis
parathion
parathyroid
parathyroid gland
paratrooper
paratroops
paratuberculosis
paratyphoid
paratyphoid fever
paravane
parboil
parbuckle
parcel
parcel post
parceling
parcenary
parch
parchment
parclose
pard
pardon
pardoner
pare
paregmenon
paregoric
pareira
parent
parentage
parental
parenteral
parenthesis
parenthesize
parenthood
paresis
paresthesia
pareu
parfait
parfleche
parquet
parenting
parhelic circle
parhelion
pari passu
pari-mutuel
pariah
paries
parietal
parietal bone
parietal cell
parietal lobe
paring
paripinnate
parish
parish clerk
parish council
parish register
parishioner
parity
parity check
park
parka
parkin
parking meter
parking orbit
parkland
parkway
parl. proc.
parlance
parlando
parlay
parley
parliament
parliamentarian
parliamentarianism
parliamentary
parliamentary agent
parlor
parlormaid
parlour
parlous
parochial
parochial church council
parochial school
parochialism
parodic
parodist
parody
paroicous
parol
parole
parolee
paronomasia
paronychia
paronym
paronymous
parotic
parotid
parotitis
paroxysm
parquet
parquet circle
parquetry
parr
parrakeet
parricide
parrot
parrot fever
parrotfish
parry
parse
parsec
parsimonious
parsimony
parsley
parsnip
parson
parson bird
parson's nose
parsonage
part
part music
part of speech
part song
part-time
part.
partake
partan
parted
parterre
party-column ballot
parulis
parve
parvenu
parvis
pas
pas de deux
pas seul
paschal candle
paschal flower
paschal lamb
paschal letter
pase
pash
pasha
pashalik
pashm
paso doble
pasqueflower
pasquil
pasquinade
pass
pass by
pass off
pass out
pass over
pass up
pass.
passable
passably
passacaglia
passade
passage
passageway
passant
passbook
passe
passe-partout
passed
passel
passementerie
passenger
passenger pigeon
passer
passer-by
passerine
passible
passifloraceous
passim
passing
passing bell
passion
passion fruit
passional
passionate
passionless
passive
passive immunity
passive resistance
passivism
passkey
passport
passus
password
past
past master
past participle
past perfect
pasta
paste
paste-up
pasteboard
pastel
pastelist
pastern
pasteurism
pasteurization
pasteurize
pasteurizer
pasticcio
pastiche
pastille
pastime
pastiness
pastis
pastor
pastoral
pastoral letter
pastoral staff
pastorale
pastoralist
pastoralize
pastorate
pastorship
pastose
pastrami
pathway
patience
patient
patin
patina
patinated
patinous
patio
patisserie
patois
patriarch
patriarchal cross
patriarchate
patriarchy
patrician
patriciate
patricide
patrilateral
patrilineage
patrilineal
patriliny
patrilocal
patrimony
patriot
patriotism
patristic
patrol
patrol car
patrol wagon
patrolman
patrology
patron
patron saint
patronage
patronize
patronizing
patronymic
patroon
patsy
patten
patter
patter song
pattern
pattern bombing
patty
patulous
paucity
paudron
pea
pea crab
pea green
pea jacket
peace
peace offensive
peace offering
peace officer
peace pipe
peaceable
peaceful
peacemaker
peacetime
peach
peachy
peacoat
peacock
peacock blue
peacock ore
peafowl
peag
peahen
peak
peaked
peal
pean
peanut
peanut butter
peanut gallery
peanut oil
peanuts
pear
pearl
pearl barley
pearl gray
pearl millet
pearly
peart
peasant
pease
pease pudding
peasecod
peashooter
peat
peat moss
peau de soie
peavey
peba
pebble
pebble dash
pebbly
pecan
pecable
peccadillo
peccant
peccary
peccavi
peck
pecker
pecking order
pectase
pecten
pectic acid
pectin
pectinate
pectize
pectoral
pectoral girdle
pectoralis
peculate
peculation
peculiar
peculiar people
peculiarity
peculiarize
peculium
pecuniary
ped.
pedagogics
pedagogue
pedagogy
pedal
pedal point
pedalfer
pedant
pedanticism
pedantry
pedate
peddle
peddler
peddling
pederast
pederasty
pedestal
pedestrian
pedestrianism
pedestrianize
pedi-
pediatrician
pediatrics
pedicab
pedicel
pedicle
pediculcu
pediculosis
pedicure
pediform
pedigree
pediment
pedlar
pedo-
pedology
pedometer
peduncle
pee
peek
peekaboo
peel
peel off
peeler
peeling
peen
peep
peep show
peep sight
peeper
peephole
peepul
peer
peer group
peerage
peeress
peerless
peeve
peeved
peevish
peewee
peewit
peg
peg down
peg leg
peg out
pegboard
pegmatite
peignoir
pejoration
pejorative
pekan
pekoe
pelage
pelagic
pelargonic acid
pelargonium
pelecypod
pelerine
pelf
pelham
pelican
pelisse
pelite
pell-mell
pellagra
pellet
pellicle
pellitory
pellucid
peloria
pelorus
pelota
pelt
peltast
peltate
pelting
peltry
pelvic
pelvic fin
pelvic girdle
pelvis
pemmican
pemphigus
pen
pen name
pen pal
penal
penal code
penal servitude
penalize
penalty
penalty box
penance
penates
pence
penny-a-liner
penny-wise
pennyroyal
pennyweight
pennyworth
penology
pensile
pension
pension off
pensionary
pensioner
pensive
penstemon
penstock
pent
pent-up
penta-
pentachlorophenol
pentacle
pentad
pentadactyl
pentagon
pentagram
pentagrid
pentahedron
pentalpha
pentamerous
pentameter
pentane
pentangular
pentapody
pentaprism
pentarchy
pentastich
pentastyle
pentathlon
pentatomic
pentatonic scale
pentavalent
penthouse
pentimento
pentlandite
pentobarbital
pentode
pentonic
pentosan
pentose
pentstemon
per.
peracid
peradventure
perambulate
perambulator
perboric acid
percale
percaline
perceivable
perceive
percent
percentage
percentile
percept
perceptible
perception
perceptive
perceptual
perch
perchance
perchloric acid
perchloride
perciipient
percolate
percolation
percolator
percuss
percussion
percussion cap
percussion instrument
percussionist
percussive
percutaneous
peregrinate
peregrination
peregrine
peregrine falcon
pereira bark
peremptory
perennate
perennial
perfect
perfect binding
perfect cadence
perfect gas
perfect number
perfect participle
perfect pitch
perfect rhyme
perfectible
perfecting press
perfection
perfectionism
perfectionist
perfective
perfectly
perfecto
perfervid
perfidious
perfidy
perfoliate
perorate
perforated
perforation
perforce
perform
performance
performative
performing
performing arts
perfume
perfumer
perfumery
perfunctory
perfuse
perfusion
pergola
perhaps
peri
peri-
perianth
periapt
pericarditis
pericardium
pericarp
perichondrium
pericline
pericope
pericranium
pericycle
pericythion
periderm
peridium
peridot
peridotite
perigee
perigon
perigynous
perihelion
peril
perilla oil
perilous
perilune
perilymph
perimeter
perimorph
perinephrium
perineum
perineuritis
perineurium
period
period piece
periodate
periodic
periodic law
periodic sentence
periodical
periodicity
periodontal
periodontics
perionychium
periosteum
periostitis
periotic
peripatetic
peripeteia
peripheral
periphery
periphrasis
periphrastic
peripteral
perique
perisarc
periscope
perish
perishable
perished
perishing
perissodactyl
peristalsis
peristome
peristyle
peritheciun
peritoneum
peritonitis
periwig
periwinkle
perjure
perjured
perjury
perk
perk up
perky
perlite
perm
permafrost
permalloy
permanence
permanency
permanent
permanent magnet
permanent press
permanent tooth
permanent wave
permanent way
permanganate
permanganic acid
permatron
permeability
permeable
permeance
permeate
permissible
permission
permissive
permit
permittivity
permutation
permute
pernicious
pernickety
peroneus
perorate
peroration
peroxidase
peroxide
peroxidize
peroxy-
perspective
perspicacious
perspicacity
perspicuity
perspicuous
perspiration
perspiratory
perspire
persuade
persuader
persuasion
persuasive
pert
pert.
pertain
pertinacious
pertinacity
pertinent
perturb
perturbation
pertussis
peruke
perusal
peruse
pervade
pervasive
perversion
perversity
pervert
perverted
pervious
pes
pesade
peseta
pesky
peso
pessary
pessimism
pessimist
pest
pester
pesthole
pesthouse
pesticide
pestiferous
pestilence
pestilent
pestilential
pestle
pet
pet name
petal
petaliferous
petaloid
petard
petasus
petcock
petechia
peter
petersham
petiolate
petiole
petiolule
petit
petit bourgeois
petit four
petit jury
petit larceny
petit mal
petit point
petite
petite marmite
petitio principii
petition
petitionary
petitioner
petrel
petrifaction
petrify
petrochemical
petrochemistry
petrog.
petroglyph
petrography
petrol
petrol.
petrolatum
petroleum
petroleum ether
petroleum jelly
petrolic
petrology
petronel
petrosal
petrous
petticoat
pettifog
pettifogger
pettifogging
pettish
pettitoes
petty
petty cash
petty jury
petty larceny
petty officer
petty sessions
petulance
petulancy
petulant
petunia
petuntse
pew
pewee
pewit
pewter
peyote
pf.
pfennig
pg.
phaeton
phage
phago-
phagocyte
phagocytosis
phalange
phalangeal
phalanger
phalansterian
phalanstery
phalanx
phalarope
phallic
phallicism
phalus
phanerogam
phanotron
phantasm
phantasmagoria
phantasmal
phantasy
phantom
pharaoh
phenothiazine
phenoxide
phenyl
phenyl salicylate
phenylalanine
phenylamine
phenylketonuria
pheon
phew
phi
phi-phenomenon
phial
phil.
philander
philanthropic
philanthropist
philanthropy
philately
philharmonic
philharmonic pitch
philhellene
philibeg
philippic
phil-
philodendron
philol.
philologian
philology
philomel
philoprogenitive
philos.
philosopher
philosophers' stone
philosophical
philosophism
philosophize
philosophy
philter
philtre
phiz
phlebitis
phlebosclerosis
phlebotomize
phlebotomy
phlegm
phlegmatic
phlegmy
phloem
phosphine
phosphocreatine
phospholipide
phosphoprotein
phosphor
phosphor bronze
phosphorate
phosphoresce
phosphorescence
phosphorescent
phosphoric
phosphoric acid
phosphorism
phosphorite
phosphoroscope
phosphorous
phosphorous acid
phosphorus
phosphorylase
phot.
photic
photo
photo finish
photo-
photo-offset
photoactinic
photoactive
photobathic
photocathode
photocell
photochemistry
photochromy
photochronograph
photocompose
photocomposition
photoconduction
photoconductivity
photocopier
photocopy
photocurrent
photodisintegration
photodrama
photodynamics
photoelasticity
photoelectric
photoelectric cell
photoelectric current
photoelectric effect
photoelectron
photoelectrotype
photoemission
photoengrave
photoengraving
photofinishing
photoflash
photoflash lamp
photoflood
photoflood lamp
photofluorography
photogelatin process
photogene
photogenic
photogram
photogrammetry
photograph
photographer
photographic
photography
photogravure
photojournalism
photokinesis
photolithography
photoluminescence
photolysis
photom.
photomap
photomechanical
photometer
photometry
photomicrograph
photomicroscope
photomontage
photomultiplier
photomural
photon
photoneutron
photoperiod
photophilous
photophobia
photophore
photopia
photoplay
photoreceptor
photoreconnaissance
photosensitive
photosphere
photosynthesis
phototaxis
phototelegraph
phototelegraphy
phototherapy
photothermic
phototonus
phototopography
phototransistor
phototube
phototype
phototypography
phototypy
photovoltaic
photovoltaic cell
photovoltaic effect
photozincography
phr.
phrasal
phrase
phraseogram
phraseograph
phraseologist
phraseology
phrasing
phratry
phren.
phrenetic
phrenic
phreno-
phrenology
phrensy
phthalein
phthalic acid
phthalocyanine
phthasic
phthisis
phycology
phycomycete
phyla
phylactery
phyle
phyletic
phylloclade
phyllode
phylloid
phyllome
phyloquinone
phyllotaxis
phyloxera
phylogeny
phylum
phys.
physic
physic nut
physical
physical anthropology
physical chemistry
physical education
physical examination
physical geography
physical jerks
physical medicine
physical optics
physical science
physical therapy
physicalism
physicality
physician
physicist
physicochemical
physics
physiognomy
physiography
physiological
physiological psychology
physiologist
physiology
physiotherapy
physique
physoclistous
physostomous
phyto-
phytobiology
phytogenesis
phytogeography
phytography
phytohormone
phytology
phytopathology
phytophagous
phytoplankton
phytosociology
pi
pi meson
pia mater
piaculär
piaffe
pianette
pianism
pianissimo
pianist
piano
piano accordion
piano player
piano roll
pianoforte
piassava
piazza
pihgorn
pibroch
pic
pica
picador
picaresque
picaroon
picayune
piccalilli
piccaninny
piccolo
piccoloist
pice
piceous
pick
pick at
pick off
pick on
pick out
pick-me-up
pickaback
pickaninny
pickaxe
picked
picker
pickerel
pickerel frog
pickerelweed
picket
picket fence
picket line
pickings
pickle
pickled
picklock
pickpocket
pickup
picky
picnic
pico-
picofarad
picoline
picot
picro-
picrotoxin
pictogram
pictograph
pictorial
picture
picture book
picture hat
picture show
picture tube
picture window
picture writing
picturesque
picturize
picul
piddle
piddling
piddock
pidgin
pidgin English
pie
pie-eyed
piebald
piece
piece goods
piece of eight
piece out
piece-dyed
piecemeal
piecework
piecrust
piecrust table
pied
pieplant
pier
pier glass
pier table
pierce
piercing
piet
pietism
piety
piezochemistry
piezoelectricity
piffle
pig
pig bed
pig iron
pig lead
pigeon
pigeon breast
pigeon hawk
pigeon-hearted
pigeon-toed
pigeonhole
pigeonwing
pigfish
piggery
piggin
piggish
piggy
piggy bank
piggyback
pigheaded
piglet
pigling
pigment
pigmentation
pignus
pignut
pigpen
pigskin
pigsty
pigtail
pigweed
pika
pike
pikeman
pikeperch
piker
pikestaff
pilaf
pilaster
pilau
pilch
pilchard
pile
pile up
pileate
piled
pileous
piles
pileum
pileup
pileus
pilewort
pilfer
pilferage
pilgarlic
pilgrim
pilgrimage
pili
piliferous
piliform
piling
pill
pill bug
pillage
pillar
pillar box
pillbox
pillion
pilliwinks
pillory
pillow
pillow block
pillow lace
pillow sham
pillowcase
pilocarpine
pilose
pilot
pilot balloon
pilot biscuit
pilot boat
pilot burner
pilot film
pilot fish
pilot flag
pilot lamp
pilot light
pilotage
pilothouse
piloting
pilotless aircraft
pilpul
pily
pimento
pimienta
pimp
pimpernel
pimple
pimply
pin
pin curl
pin down
pin money
pin rail
pin wrench
pinafore
pinball
pinball machine
pince-nez
pincer
pincers
 pinch
pinch bar
pinch effect
pinch hitter
pinch-hit
pinchbeck
pinchcock
pinchpenny
pincushion
pindling
pine
pine cone
pine marten
pine needle
pine snake
pine tar
pineal
pineal body
pineal eye
pineapple
pinery
pinetum
pinfeather
pinfish
pinfold
ping
pinguid
pinhead
pinhole
pinhole camera
pinion
pinite
pink
pink lady
pink slip
pinkeye
pinkie
pinking shears
pinkish
pinko
pinky
pinna
pinnacle
pinnate
pinnati-
pinnatifid
pinnatipartite
pinnatiped
pinnatisect
pinniped
pinnule
pinochle
pinole
pinpoint
pinpoint bombing
pinprick
pins and needles
pinstripe
pint
pint-size
pinta
pintail
pintle
pinto
pinto bean
pinup
pinwheel
pinwork
pinworm
pinxit
piny
pion
pioneer
pious
pip
pip-squeak
pipage
pipe
pipe clay
pipe cleaner
pipe dream
pipe of peace
pipe organ
pipe up
pipeline
piper
piperaceous
piperidine
piperine
piperonal
pipestone
pipette
piping
pipistrelle
pipit
pipkin
pippin
pipsissewa
piquant
pique
piquet
piracy
piragua
piranha
pirate
pim
pirog
pirogue
piroshki
pirouette
pis aller
piscary
piscator
piscatorial
piscatory
pisci-
pisciculture
pisciform
piscina
piscine
pithos
pithy
pitiable
pitiful
pitiless
pitman
piton
pitsaw
pitta
pittance
pitter-patter
pituitary
pituitary gland
pituri
pity
pivot
pivotal
pivot
pix
pixie
pixilated
pizz.
pizza
pizzeria
pizzicato
pk.
pkg.
pkt.
pl
pl.
placable
placard
placate
placative
placatory
place
place card
place kick
place setting
placebo
placeman
placement
placenta
placentation
placer
placet
placid
placket
planetary nebula
planetesimal
planetoid
plangent
planimeter
planimetry
planish
plank
plank-sheer
planking
plankton
planned economy
planned parenthood
plano-
plano-concave
plano-convex
planogamete
planography
planometer
planospore
plant
plant kingdom
plant louse
plant pathology
plantain
plantain lily
plantain-eater
plantar
plantation
planter
planula
plaque
plash
plashy
plasm
plasma
plasma engine
plasma membrane
plasmagel
plasmasol
plasmo-
plasmodium
plasmolysis
plasmosome
plaster
plaster cast
plaster of Paris
plasterboard
plastered
plasterwork
plastic
plastic art
plastic bomb
plastic operation
plastic surgery
plasticity
plasticize
plasticizer
plastid
plastometer
plat
plat du jour
plat.
plate
plate glass
plateau
plated
platelayer
platelet
platen
plater
platform
platform rocker
platform ticket
platina
plating
platinic
platinize
platino-
platinocyanic acid
platinocyanide
platinotype
platinous
platinum
platinum black
platinum-blond
platitude
platitudinize
platitudinous
platoon
platoon sergeant
platter
platy
platy-
platyhelminth
platypus
pleasurable
pleasure
pleasure principle
pleat
plebe
plebeian
plebiscite
plebs
plectognath
lectron
plectrum
pled
pledge
pledgee
pledget
pleiad
plein-air
plenary
pleniportent
pleniportentiary
plenish
plenitude
plenteous
plentiful
plenty
plenum
pleo-
pleochroism
pleomorphism
pleonasm
pleopod
plesiosaur
plessor
plethora
plethoric
pleura
pleurisy
pleurisy root
pleuro-
pleurodynia
pleuron
pleuropneumonia
plexiform
plexor
plexus
pliable
pliant
plica
pneumatophore
pneumectomy
pneumo-
pneumococcus
pneumoconiosis
pneumodynamics
pneumoencephalogram
pneumogastric
pneumograph
pneumonectomy
pneumonia
pneumonic
pneumonic plague
pneumonoultramicroscopicsilicovolcanoconiosis
pneumothorax
poaceous
poach
poacher
poachy
pochard
pock
pocked
pocket
pocket battleship
pocket billiards
pocket borough
pocket gopher
pocket money
pocket mouse
pocket veto
pocketbook
pocketful
pocketknife
pockmark
pocky
poco
poco a poco
pocosin
pod
podagra
poddy
podesta
podgy
podiatry
podite
podium
podophyllin
poem
poesy
poet
poet laureate
poet.
poetaster
poetess
poetic justice
poetic license
poeticize
poetics
poetize
poetry
pogey
pogge
pogonia
pogrom
pogy
poi
poignant
poikilothermic
poilu
poinciana
poinsettia
point
point d'appui
point duty
point group
point lace
point of articulation
point of departure
point of honor
point of order
point of view
point out
point source
point system
point up
point-blank
point-device
point-set topology
point-to-point
pointed
pointed arch
pointer
pointillism
pointing
pointless
pointsman
poise
poised
poison
poison dogwood
poison gas
poison hemlock
poison ivy
poison oak
poison sumac
poison-pen letter
poisoning
poisonous
poke
pokeberry
pokelogan
poker
poker dice
pokeweed
pokey
poky
pol.
polacca
polacre
polar
polar axis
polar bear
polar coordinates
polar distance
polar equation
polar front
polar lights
polarimeter
polariscope
polarity
polarization
polarize
polarizing microscope
polder
pole
pole horse
pole vault
poleax
poleaxe
polecat
polemic
polemics
polemist
polemoniaceous
polenta
polestar
poleyn
police
police action
police car
police court
police dog
police officer
police state
police station
policeman
policewoman
polyclinic
policy
policy loan
policyholder
polio
poliomyelitis
polis
polish
polish off
polish up
polished
polit.
polite
politesse
politic
political
political economy
political science
politician
politicide
politick
politicking
politico
politicco-
politics
polity
polka
polka dot
poll
poll tax
pollack
pollard
polled
pollen
pollen basket
pollen count
pollinate
pollination
polling booth
polling place
pollinize
pollinosis
polliwog
pollock
pollster
pollute
polluted
pollywog
pelo
polo pony
polo shirt
polonaise
polonium
poltergeist
poltroon
poltroonery
poly-
polyadelphous
polyamide
polyandrist
polyandrous
polyandry
polyanthus
polybasite
polychaete
polychasium
polychromatic
polychrome
polychromy
polyclinic
polyconic projection
polycotyledon
polycythemia
polydactyl
polydipsia
polyester
polyethylene
polygamist
polygamous
polygamy
polygenesis
polyglot
polygon
polygraph
polygynist
polygynous
polygyny
polyhedron
polyhistor
polyhydric
polyhydroxy
polymath
polymer
polymeric
polymerism
polymerization
polymerize
polymerous
polyorphism
polymorphonuclear
polymorphous
polymyxin
polyneuritis
polynomial
polynuclear
polyp
polypary
polypeptide
polypetalous
polypagia
polyphone
polyphonic
polyphonic prose
polyphony
polyphyletic
polyploid
polypody
polypoid
polypylene
polyptich
polypus
polysaccharide
polysemy
polysepalous
polystyrene
polysyllabic
polysyllable
polysyndeton
polysynthetic
polytechnic
polytheism
polythene
polytonality
polytrophic
polytypic
polyunsaturated
polyurethane
polyvalent
polyvinyl
polyvinyl acetate
polyvinyl chloride
polyvinyl resin
polyvinylidene chloride
polyzoan
polyzoarium
polyzoic
pom-pom
pomace
pomade
pomander
pomatum
pome
pomegranate
pomelo
pomfret
pomiculture
pomiferous
pommel
pomology
pomp
pompadour
pompano
pompon
pomposity
pompous
ponce
ponceau
poncho
pond
pond lily
pond scum
ponder
ponderable
ponderous
pondweed
pone
pongee
pongid
poniard
pons
pons Varolii
pons asinorum
pontifex
pontiff
pontifical
pontificals
pontificate
pontine
pontonier
pontoon
pontoon bridge
pony
pony express
ponytail
pooch
pood
poodle
pooh
pooh-pooh
pooka
pool
pool hall
pool table
poolroom
poon
poop
poop deck
poor
poor boy
poor law
poorhouse
poorly
pop
pop art
pop off
pop-up
popcorn
pope
pope's nose
popedom
popery
popeyed
popgun
popinjay
popish
poplar
poplin
popliteal
popover
poppied
popping crease
popple
poppy
poppy seed
poppycock
poppyhead
pops
populace
popular
popular etymology
popular front
popular music
popular song
popular sovereignty
popularity
popularize
popularly
populate
population
population explosion
populous
porbeagle
porcelain
porcelain clay
porch
porcine
porcupine
pore
porgy
poriferous
porism
pork
pork barrel
pork pie
porker
porkpie
porky
pornocracy
pornography
porosity
porous
porphyria
porphyrin
porphyritic
porphyroid
porphyry
porpoise
porridge
porringer
port
port of call
port of entry
portable
portage
portal
portal vein
portal-to-portal
portal-to-portal pay
portamento
portative
portcullis
porte cochere
porte-cochere
porte-monnaie
portend
portent
portentous
porter
porterage
porterhouse
portfire
portfolio
porthole
portico
portiere
portion
portly
portmanteau
portmanteau word
portrait
portraitist
portraiture
portray
portulaca
pos.
posada
pose
poser
poseur
posh
posit
position
position line
pot liquor
pot marigold
pot roast
pot shot
pot-au-feu
pot-valiant
pot.
portable
potage
potamic
potash
potash alum
potassium
potassium carbonate
potassium chlorate
potassium cyanide
potassium ferricyanide
potassium ferrocyanide
potassium hydroxide
potassium nitrate
potassium permanganate
potation
potato
potato beetle
potato bug
potato chip
potato crisp
potato race
potbellied
potbelly
potboiler
potboy
poteen
potence
potency
potent
potentate
potential
potential difference
potential divider
potential energy
potentiality
potentiate
potentilla
potentiometer
potful
pothead
potheen
poth"er
potherb
pothole
pothook
pothouse
pothunter
pochie
potion
potluck
potman
potoroo
potpie
potpourri
potsherd
potshot
pottage
potted
potter
potter wasp
potter's field
potter's wheel
pottery
pottle
potto
potty
pou sto
pouch
pouched
pouched rat
pouf
poulard
poul
poulterer
poultice
poultry
poultryman
pounce
pouncet box
pound
pound cake
pound net
pound-foolish
poundage
poundal
pour
pourboire
pourparler
pourpoint
poussette
pout
pouter
poverty
poverty-stricken
pow
powder
powder blue
powder burn
powder charge
powder flask
powder horn
powder keg
powder metallurgy
powder mill
powder monkey
powder puff
powder room
powder snow
powdered milk
powdery
power
power amplifier
power brake
power dive
power drill
power line
power loading
power of appointment
power of attorney
power pack
power plant
power politics
power saw
power series
power station
power steering
power structure
power supply
power-dive
powerboat
powered
powerful
powerhouse
powerless
powwow
pox
pp.
ppd.
ppm
pr.
practicable
practical
practical joke
practical nurse
practically
practice
practice teacher
practiced
practise
practitioner
prae-
praedial
praefect
praemunire
praenomen
praetor
praetorian
pragmatic
pragmatic sanction
pragmaticism
pragmatics
pragmatism
pragmatist
prairie
prairie breaker
prairie chicken
prairie dog
prairie oyster
prairie schooner
prairie wolf
praise
praiseworthy
prajna
praline
pralltriller
pram
prana
prance
prandial
prang
prank
prankster
prase
praseodymium
prat
precess
precession
precessional
precinct
precincts
preciosity
precious
precious stone
precipice
precipitancy
precipitant
precipitate
precipitation
precipitation hardening
precipitin
precipitous
precis
precise
precisian
precision
preclinical
preclude
precocious
precocity
precognition
preconceive
preconception
preconcert
preconcerted
precondemn
precondition
preconize
preconscious
precontract
precritical
precursor
precursory
pred.
predacious
predate
predation
predator
predatory
predecease
predecessor
predella
predesignate
predestinarian
predestinate
predestination
predestine
predetermine
predial
predicable
predicament
predicant
predicate
predicate calculus
predicative
predict
prediction
predictor
predictory
predigest
predigestion
predikant
predilection
predispose
predisposition
predominance
predominant
predominate
preemie
preeminence
preeminent
preempt
preemption
preen
preengage
preestablish
preexist
pref.
prefab
prefabricate
preface
prefatory
prefect
prefecture
prefer
preferable
preference
preference share
preferential
preferential shop
preferential voting
preferment
preferred stock
prefiguration
prefigure
prefix
preform
prefrontal
prefrontal lobotomy
preglacial
pregnable
pregnancy
pregnant
preheat
prehensible
prehensile
prehension
prehistoric
prehistory
prehuman
preindicate
preinstruct
prejudge
prejudice
prejudicial
prelacy
prelate
prelatis
prelature
prelect
prelim.
preliminaries
preliminary
prelude
prelusive
prem.
premarital
premature
premature beat
premaxilla
premed
premedical
premeditate
premeditation
premier
premiere
premiership
premillenarian
premillennial
premillennialism
premise
premises
premium
premolar
premonish
premonition
premonitory
premundane
prenatal
prenomen
prenotion
prentice
preoccupancy
preoccupation
preoccupied
preoccupy
preordain
prep.
preparation
preparative
preparator
preparatory
preparatory school
prepare
prepared
preparedness
prepay
prepense
preponderance
preponderant
preponderate
preposition
prepositional phrase
prepositive
prepositor
prepossess
prepossessing
prepossession
preposterous
prepotency
prepotent
preprandial
prepucu
prerecord
prerequisite
prerogative
pres.
presa
presage
presbyopia
presbyter
presbyterate
presbyterial
presbyterian
presbytery
preschool
prescience
prescind
prescribe
prescript
prescriptible
prescription
prescriptive
preselector
presence
presence chamber
presence of mind
present
present arms
present participle
present perfect
present-day
presentable
presentation
presentational
presentationism
presentative
presentiment
presently
presentment
preservative
preserve
preset
preshrunk
preside
presidency
president
president-elect
presidential primary
presidentship
presidio
presidium
presignify
press
press agent
press association
press conference
press gallery
press of sail
press release
press stud
pressed glass
presser
pressing
pressman
pressmark
pressor
pressroom
pressure
pressure altimeter
pressure altitude
pressure cabin
pressure cooker
pressure gauge
pressure group
pressure head
pressure point
pressure suit
pressure-cook
pressurize
presswork
prestidigitation
prestige
prestigious
prestissimo
presto
prestress
prestressed concrete
presumable
presumably
resume
presumption
presumptive
presumptive heir
presumptuous
presuppose
presurmise
pret.
pretence
pretend
pretended
pretender
pretense
pretension
prick song
pricket
pricking
prickle
prickly
prickly heat
prickly pear
prickly poppy
pride
prie-dieu
prier
priest
priest-ridden
priestcraft
priestess
priesthood
priestly
prig
priggery
priggish
prim
prim.
prima ballerina
prima donna
prima facie
prima facie evidence
primacy
primal
primarily
primary
primary accent
primary cell
primary color
primary election
primary school
primary stress
primary syphilis
primate
primateship
primatology
primavera
prime
prime cost
prime meridian
prime minister
prime mover
prime number
primer
primero
primeval
primine
priming
primipara
primitive
primitivism
primo
primogenial
primogenitor
primogeniture
primordial
primordium
primp
primrose
primrose path
primula
primulaceous
primum mobile
primus
primus inter pares
prince
prince consort
prince regent
prince's-feather
princedom
princeling
princely
princess
princess royal
principal
principal axis
principal focus
principal parts
principalities
principality
principally
principate
principium
principle
principled
prink
print
print shop
printable
printed circuit
printer
printer's devil
printer's error
printery
printing
printing press
printmaker
printmaking
prior
priorate
prioress
priority
priory
prisage
prise
prism
prismatic
prismatoid
prismoid
prison
prison psychosis
prisoner
prisoner of war
prisoner's base
prissy
pristine
prithee
prittle-prattle
priv.
privacy
private
private bill
private company
private enterprise
private eye
private first class
private parts
private practice
private school
privateer
privation
privative
privet
privilege
privileged
privileged communication
privily
privity
privy
privy chamber
privy council
privy purse
privy seal
prix fixe
prize
prize court
prize money
prize ring
prizefight
prizewinner
pro
pro forma
pro patria
pro rata
pro tem
pro tempore
pro-
proa
prob.
probabilism
probability
probability curve
probable
probable cause
probable error
probably
probate
probate court
probation
probationer
probative
probe
probit
problem
problematic
proboscidean
proboscis
proboscis monkey
proc.
procaine
procambium
procarp
procathedral
procedure
proceed
proceeding
proceeds
proceleusmatic
procephalic
process
process shot
procession
processional
prochein ami
prochronism
proclaim
proclamation
proclitic
proclivity
proconsul
proconsultate
procrastinate
procreant
procreate
procryptic
proctology
proctor
proctoscope
procumbent
procureable
procurrence
procuration
procurator
procure
procurer
prod
prod.
prodigal
prodigious
prodigy
prodrome
produce
producer
producer gas
producer goods
product
production
production line
productive
proem
profanatory
profane
profanity
profess
professed
profession
progressive
prohibit
prohibition
prohibitionist
prohibitive
prohibitory
project
projectile
projection
projection printing
projectionist
projective
projective geometry
projector
prolactin
prolamine
prolate
prole
proleg
prolegomenon
prolepsis
proletarian
proletariat
proliferate
proliferation
proliferous
prolific
proline
prolix
prolocutor
prologize
prologue
prolong
prolongate
prolongation
prolonge
prolonge knot
prolusion
prom
prom.
promenade
promenade concert
promenade deck
promethium
prominence
prominent
promiscuity
promiscuous
propanoic acid
proparoxytone
propel
propellant
propeller
propend
propene
propensity
proper
proper fraction
proper motion
proper noun
properly
propertied
property
property man
prophase
prophecy
prophesy
prophet
prophetic
prophylactic
prophylaxis
propinquity
propionic acid
propitiate
propitiatory
propitious
propjet
propjet engine
propman
propolis
proponent
proportion
proportionable
proportional
proportional representation
proportionate
proportioned
proposal
propose
proposition
propositional calculus
propositional function
propositus
propound
propr.
propraetor
proprietary
propriore
proprioress
propriorety
propriorector
propter hor
propotis
propulsion
propyleum
propylene
propylene glycol
propylite
prorate
prorogue
pros and cons
pros.
prosaic
prosaism
proscenium
prosciutto
proscribe
proscription
prose
prose poem
prosector
prosecute
prosecuting attorney
prosecution
prosecutor
proselyte
proselytism
proselytize
prosenchyma
proser
prosimian
prosit
prosody
prosopopoeia
prospect
prospetive
prospector
prospectus
prospex
prospexy
prosper
prospexy
prosperous
prostate
prostate gland
prostatectomy
prostatitis
prosthesis
prosthetics
prosthodontics
prosthodontist
prostitute
prostitution
prostonium
prostrate
prostration
prostyle
prosy
prot-
protactinium
protagonist
protamine
protanopia
protasis
protean
protease
protect
protecting
protection
protectionism
protectionist
protective
protective coloration
protective tariff
protector
protectorate
protege
proteiform
protein
protease
protease
proteolytic
proteolysis
proteose
proteron-
protest
protestation
prothalamion
prothalamium
prothallus
prothesis
prothonotary
prothorax
prothrombin
protist
protium
pruritus
prussiate
prussic acid
pry
pryer
prying
prytyneum
ps.
psalm
psalmbook
psalmist
psalmody
psalterium
psaltery
psephology
pseud.
pseudaxis
pseudo
pseudo-
pseudocarp
pseudohemophilia
pseudohermaphrodite
pseudohermaphroditism
pseudonym
pseudonymous
pseudoscope
ps
pshaw
psi
psia
psid
psilocybin
psilomelane
psittacine
psittacosis
psoas
psoriasis
psych
psychasthenia
psyche
psychedelic
psychiatrist
psychiatry
psychic
psychic energizer
psycho
psycho-
psychoactive
psychoanal.
psychoanalysis
psychobiology
psychochemical
psychodiagnosis
psychodiagnostics
psychodrama
psychodynamics
psychogenesis
psychogenic
psychognosis
psychographer
psychokinesis
psychol.
psycholinguistics
psychological
psychological block
psychological moment
psychological warfare
psychologism
psychologist
psychologize
psychology
psychomancy
psychometrics
psychometry
psychomotor
psychoneurosis
psychoneurotic
psychopath
psychopathic personality
psychopathist
psychopathology
psychopathy
psychopharmacology
psychophysics
psychophysiology
psychosexual
psychosis
psychosocial
psychosomatic
psychosomatic medicine
psychosomatics
psychosurgery
psychotechnics
psychotechnology
psychotherapy
psychotic
psychotomimetic
psychro-
psychrometer
pt
pt.
ptarmigan
pteranodon
pteridology
pteridophyte
ptero-
pterodactyl
pteropod
pterosaur
pteroylglutamic acid
pteryla
ptg.
ptisan
ptomaine
ptomaine poisoning
ptosis
pts.
ptyalin
ptyalism
pub
pub.
puberty
puberulent
pubes
pubescent
pubis
publ.
public
public assistance
public charge
public debt
public defender
public domain
public enemy
public house
public law
public opinion
public prosecutor
public relations
public school
public servant
public service
public utility
public works
public-address system
public-opinion poll
public-spirited
publican
publication
publicist
publicity
publicize
publicly
publicness
publish
publisher
publishing
publishing house
puca
puccoon
pucce
puck
pucka
pucker
puckery
pudding
pudding stone
puddle
puddling
pudency
pudendum
pudgy
pueblo
puerile
puerilism
puerility
puerperal
puerperal fever
puerperium
puff
puff adder
puffball
puffer
puffery
puffin
puffy
pug
pug nose
pugging
puggree
pugilism
pugilist
pugnacious
puisne
puissance
puissant
puke
pukka
pul
pulchritude
pulchritudinous
pule
puli
pulling
pull
pull back
pull down
pull in
pull off
pull out
pull through
pull together
pull up
pullet
pulley
pullorum disease
pullover
pullulate
pulmonary
pulmonary artery
pulmonary vein
pulmonate
pulmonic
pulp
pulpboard
pulpit
pulpiteer
pulpwood
pulpy
pulque
pulsar
pulsate
pulsatile
pulsation
pulsatory
pulse
pulsimeter
pulsometer
pulverable
pulverize
punt
puny
pup
pup tent
pupa
puparium
pupil
pupillary
pupiparous
puppet
puppet show
puppetry
puppy
puppy love
pur sang
purblind
purchasable
purchase
purchase tax
purdah
pure
pure culture
pure line
purebred
puree
purehearted
purely
purgation
purgative
purgatorial
purgatory
purge
purificator
purify
purine
purism
puritan
puritanical
purity
purl
purlieu
purlin
purloin
purple
purple gallinule
purple martin
purple medic
purple-fringed orchid
purplesness
purplish
purport
purpose
purposeful
purposeless
purposely
purposive
purpura
purpure
purpurin
purr
purree
purse
purse seine
purse strings
purser
purslane
pursuance
pursuant
pursue
pursuer
pursuit
pursuit plane
pursuivant
pursy
purtenance
purulence
purulent
purusha
purvey
purveyance
purveyor
purview
pus
push
push broom
push button
push off
push through
push-bike
push-up
pushball
pushcart
pushed
pusher
pushing
pushover
pyrite
pyrites
pyro-
pyrochemical
pyroclastic
pyroconductivity
pyroelectric
pyroelectricity
pyrogallate
pyrogallol
pyrogen
pyrogenic
pyrogenous
pyrognostics
pyrography
pyroigneous
pyroigneous acid
pyrology
pyrolysis
pyromagnetic
pyromancy
pyromania
pyrometallurgy
pyrometer
pyrometric cone
pyromorphite
pyrone
pyrope
pyrophoric
pyrophosphate
pyrophosphoric acid
pyrophotometer
pyrophyllite
pyrosis
pyrostat
pyrotechnic
pyrotechnics
pyroxene
pyroxenite
pyroxylin
pyrrhic
pyrrhotite
pyrrhuloxia
pyrroolidine
python
pythoness
pyuria
pyx
pyxidium
pyxie
q
t
qe.
tet.
tet.
tet.
tet.
qadi
qibla
qintar
ql.
qoph
qr.
qt.
qto.
qut.
qu
qua
quack
quack grass
quackery
quacksalver
quad
quad.
quadrangle
quadrangular
quadrant
quadrat
quadrate
quadratic
quadratics
quadrature
quadrennial
quadrennium
quadri-
quadrifid
quadriga
quadrilateral
quadrille
quadrillion
quadrinomial
quadripartite
quadriplegia
quadriplegic
quadrireme
quadrisect
quadrivalant
quadrivial
quadrivium
quadroon
quadromanous
quadruped
quaduple
quadrupe time
quadruplet
quadruplex
quadrupticate
quaff
quag
quagga
quaggy
quagmire
quahog
quail
quaint
quake
quaky
qualification
qualified
qualifier
qualify
qualitative
qualitative analysis
quality
quality control
qualm
qualmish
quamash
quandary
quant
quanta
quantic
quantifier
quantify
quantitative
quantitative analysis
quantity
quantity surveyor
quantize
quantum
quantum mechanics
quantum number
quantum statistics
quantum theory
quaquaversal
quarantine
quarantine flag
quark
quarrel
quarrelsome
quarrier
quarry
quarry tile
quart
quart.
quartan
quarter
quarter crack
quarter day
quarter grain
quarter horse
quarter nelson
quarter note
quarter round
quarter section
quarter sessions
quarter tone
quarter-hour
quarter-phase
quarterage
quarterback
quarterdeck
quartered
quatering
quarterly
quartermaster
quartern
quarters
quartersaw
quarterstaff
quartet
quartic
quartile
quarto
quartz
quartz glass
quartz lamp
quartziferous
quartzite
quasar
quash
quasi
quasi contract
quasi-
quasi-judicial
quasi-stellar radio source
quass
quassia
quaternary
quaternary ammonium compound
quaternion
quaternity
quatrain
quatre
quatrefoil
quattrocento
quaver
quay
queen
queasy
queen
queen bee
queen dowager
queen mother
queen olive
queen post
queen regent
queen regnant
queen's English
queen's evidence
queen's shilling
queenhood
queenly
queer
quell
quelque chose
quench
quenchless
quenelle
quercetin
querist
quern
querulous
query
ques.
quest
question
question mark
questionable
questionary
questioning
questionless
questionnaire
questor
quetzal
queue
qui vive
quibble
quibbling
quiche
quick
quick assets
quick bread
quick fire
quick grass
quick march
quick time
quick trick
quick-change artist
quick-freeze
quick-tempered
quick-witted
quicken
quickie
quicklime
quickly
quicksand
quicksilver
quickstep
quid
quid pro quo
quiddity
quidnunc
quescent
quiet
quieter
quietism
quietly
quietude
quietus
quiff
quill
quillet
quillon
quilt
quilting
quilting bee
quinacrine
quinary
quinate
quince
quincentenary
quinuncial
quincox
quindecagon
quindecennial
quinic acid
quinidine
quine
quinnat salmon
quinol
quinone
quinonoid
quinque-
quinquefid
quinquennial
quinquennium
quinquepartite
quinquereme
quinquevalent
quinsy
quint
quotain
quintal
quintan
quinte
quintessence
quintet
quintic
quintile
quintillion
quintuple
quintuplet
quintuplicate
quinze
quip
quipster
quipu
quire
quirk
quirt
quisling
quit
quitclaim
quite
quitrent
quits
quittance
quitter
quiver
quixotic
quixotism
quiz
quizmaster
quizzical
quod
quod erat demonstrandum
quod vide
quodlibet
quoin
quoit
quoits
quondam
quorum
quot.
quota
quotable
quotation
quotation mark
quote
quoth
quotha
quotidian
quotient
r
r.
r.h.
r.p.s.
rabato
rabbet
rabbet plane
rabbith
rabbinate
rabbinical
rabbinism
rabbit
rabbit ears
rabbit fever
rabbit punch
rabbitfish
rabbitry
rabble
rabble-rouser
rabble-rousing
rabblement
rabid
rabies
raccoon
raccoon dog
race
race horse
race riot
racecourse
racehorse
raceme
racemic
racemose
racer
raceway
rachis
rachitis
racial
racialism
racing
racism
rack
rack railway
rack up
rack-rent
racket
racketeer
rackety
racon
raconteur
racoon
racquet
racy
rad
rad.
radar
radar beacon
radarman
radarscope
raddle
raddled
radial
radial engine
radian
radiance
radiancy
radiant
radiant energy
radiant flux
radiant heat
radiant heating
radiate
radiation
radiation sickness
radiative
radiator
radical
radical axis
radical sign
radicalism
radically
radicand
radicel
radices
radicle
radiculitis
radii
radio
radio astronomy
radio beacon
radio beam
radio compass
radio control
radio direction finder
radio frequency
radio knife
radio range beacon
radio source
radio spectrum
radio star
radio station
radio telescope
radio tube
radio wave
radio-
radioactivate
radioactive
radioactive decay
radioactive series
radioactivity
radiobiology
radiobroadcast
radiocarbon
radiocarbon dating
radiochemical
radiochemistry
radiocommunication
radioelement
radiogram
radiograph
radiography
radioisotope
radiolarian
radiolocation
radiology
radiolucent
radioluminescence
radioman
radiometeorograph
radiometer
radiomicrometer
radionuclide
radiopaque
radiophone
radiophotograph
radioscope
radioscopy
radiosensitive
radiosonde
radiosurgery
radiotelegram
radiotelegraph
radiotelegraphy
radiotelephone
radiotelephony
radiotherapy
radiothermy
radiothorium
radiotransparent
radish
radius
radium
radium emanation
radium therapy
radius
radius of curvature
radix
radome
radon
raff
raffia
raffinate
raffinose
raffish
raffle
rafflesia
raft
rafter
rag
rag doll
rag paper
rag-and-bone man
ragamuffin
rage
ragged
ragged robin
raggedy
raggle-taggle
ragi
raglan
ragman
ragout
rags
ragtag and bobtail
ragtime
ragweed
ragwort
rah
raid
rail
railhead
railing
raillery
railroad
railroader
railway
raiment
rain
rain dance
rain gauge
rain or shine
rain tree
rain water
rainband
rainbow
rainbow trout
raincoat
raindrop
rainfall
rainmaker
rainout
rainproof
rains
rainstorm
rainwater
rainy
rainy day
raise
raised
raisin
raising
raja
rajah
rake
rake up
rake-off
rakehell
raker
raki
rakish
rale
rall.
rallentando
ralline
rally
rally round
ram
ramble
rambler
rambling
rambunctious
rambutan
ramekin
ramentum
ramie
ramification
ramiform
ramify
ramjet
rammer
rammish
ramose
ramp
rampage
rampageous
rampant
rampart
ramrod
ramshackle
ramtil
ramulose
ran
rance
ranch
rancher
ranchero
ranchman
rancho
rancid
rancidity
rancor
rancorous
rand
randan
random
random access
randy
ranee
rang
range
range finder
range light
ranged
rangefinder
ranger
rangy
rani
rank
rank and file
ranket
ranking
rankle
ransack
ransom
rant
ranunculous
ranunculaceous
rap
rapacious
rape
rape oil
rapeseed
rapid
rapid fire
rapids
rapier
rapine
rapparee
rappee
rappel
rapper
rapping
rapport
rapprochement
rapscallion
rapt
raptor
raptorial
rapture
rapturous
rara avis
rare
rare book
rare earth
rare gas
rarebit
rarefaction
rarefied
rarefy
rarely
rarity
rasbora
rascal
rascality
rascally
rase
rash
racher
rasorial
rasp
raspberry
rasping
raspings
raspy
raster
rat
rat race
rat snake
rat terrier
rat-tail
rat-tat
rata
ratable
ratafia
ratal
ratan
rattrap
ratty
raucous
rauwolfia
ravage
rave
ravel
ravelin
ravelment
raven
ravening
ravenous
raver
ravin
ravine
raving
raviole
ravish
ravishing
ravishment
raw
raw material
raw silk
rawboned
rawhide
rawinsonde
ray
ray flower
rayless
rayon
raze
razee
razor
razorback
razorbill
razz
razzia
razzle-dazzle
rcd.
rcpt.
rd.
re
re-
re-act
re-count
re-cover
re-create
re-creation
re-examine
re-form
re-press
re-sort
re-sound
re-trace
re-tread
reach
reach-me-down
react
reactance
reactant
reaction
reaction engine
reaction formation
reaction turbine
reactionary
reactivate
reactive
reactor
read
read in
read into
read out
readability
readable
reader
readership
readily
readiness
reading
readjust
readjustment
ready
ready money
ready reckoner
ready-made
ready-mix
ready-to-wear
reagent
real
real estate
real number
real presence
real property
real wages
realgar
realism
rebut
rebuttal
rebutter
recalcitrant
recalcitrant
recalcitrant
recalce
recalce
recall
recant
recap
recapitulate
recapitulation
recaption
recapture
recce
recede
receipt
receiptor
receivable
receive
receiver
receivership
receiving set
recency
recension
recent
recept
receptacle
reception
reception room
receptionist
receptive
receptor
recess
recession
recessional
recessive
recidivate
recidivism
recipe
recipience
recipient
reciprocal
reciprocal insurance
reciprocate
reciprocating engine
reciprocation
reciprocity
record player
recorder
recording
recount
recountal
recoup
recourse
recover
recoverable
recovery
recovery room
recreant
recreate
recreation
recreation room
increment
recrement
recrementation
recredit
recrudesce
recrudescence
recruit
recruitment
recrystallize
rect.
rectal
rectangle
rectangular
rectangular coordinates
rectangular hyperbola
recti
rectifier
rectify
rectilinear
rectitude
recto
rectocele
rector
rectory
rectrix
rectum
rectus
recumbent
recuperate
recuperative
recuperator
recur
recurrence
recurrent
recurrent fever
recursion
recurvate
recurve
recurved
recusancy
recusant
recycle
red
red admiral
red algae
red ant
red blood cell
red brass
red carpet
red cent
red clay
red clover
red coral
red corpuscle
red currant
red deer
red duster
red fir
red fire
red flag
red fox
red giant
red grouse
red gum
red hat
red heat
red herring
red lead
red light
red man
red meat
red mullet
red osier
red pepper
red rag
red rose
red shift
red snapper
red squirrel
red tape
red wine
red-blooded
red-faced
red-handed
red-headed
red-hot
red-letter
red-letter day
red-light district
red-pencil
redact
redan
redbird
redbreast
redbud
redbug
redcap
redcoat
redd
redden
reddish
rede
redeem
redeemable
redeemer
redeeming
redemption
redemptioner
redploy
redvelop
redfin
redfish
redhead
redingote
redintegrate
redintegration
redistrict
redivivus
redneck
redness
redo
redolent
redouble
redoubt
redoubtable
redound
redpoll
redraft
redress
reeve
ref
ref.
reface
refection
refectory
refectory table
refer
referee
reference
reference book
reference mark
referendum
referent
referential
referred pain
refill
refine
refined
refinement
refinery
refit
refl.
reflate
reflation
reflect
reflectance
reflecting telescope
reflection
reflective
reflector
reflex
reflex angle
reflex arc
reflex camera
reflection
flexive
refluent
reflux
reforest
reform
reform school
reformation
reformatory
reformed
reformer
reformism
refract
refracting telescope
refraction
refractive
refractive index
refractometer
refractor
refractory
refrain
refrangible
refresh
refresher
refresher course
refreshing
refreshment
refrigerant
refrigerate
refrigeration
refrigerator
refr
refuel
refuge
refugee
refulgence
refulgent
refund
refurbish
refusal
refuse
refutation
refutative
refute
regain
regal
regale
regalia
regality
regard
regardant
regardful
regarding
regardless
regatta
regelate
regelation
regency
regeneracy
regenerate
regeneration
regenerative
regenerative cooling
regenerator
regent
regicide
regime
regimen
regiment
regimentals
region
regional
regionalism
register
register ton
registered
registered bond
registered nurse
registered representative
registrant
registrar
registration
registry
registry office
reglet
regnal
regnant
regolith
regorge
regrate
regress
regression
regressive
regret
regretful
regulable
regular
regular year
regularize
regularly
regulate
regulation
regulator
regulus
regurgitate
regurgitation
rehabilitate
rehabilitation
rehash
rehearing
rehearsal
rehear
reheat
reify
reign
reimburse
reimport
reimpression
rein
rein in
reincarnate
reincarnation
reindeer
reindeer moss
reinforce
reinforced concrete
reinforcement
reins
reinstate
reinsure
reis
reiterant
reiterate
reive
reject
rejection
rejoice
rejoin
rejoinder
rejuvenate
rel.
relapse
relapsing fever
relate
related
relation
relational
relations
relationship
relative
relative aperture
relative bearing
relative density
relative frequency
relative humidity
relativistic
relativity
relativize
relator
relax
relaxation
relay
relay race
release
release therapy
relegate
relent
relentless
relevance
relevant
reliable
reliance
reliant
relic
relict
relief
relief map
relieve
religieuse
religieux
religion
religionism
religiose
religiosity
religious
relinquish
reliquary
relique
reliquiae
relish
relive
relucent
relocution
reluctance
reluctant
reluctivity
resume
rely
remain
remainder
remainderman
remains
remake
remand
remand home
remunerate
remuneration
remunerative
renaissance
renal
renascence
renascent
rencontre
rend
render
rendering
rendezvous
rendition
renegade
renegado
renege
renew
renewal
reni-
renin
renitent
rennet
rennin
renounce
renovate
renown
renowned
rensselaerite
rent
rent-free
rent-roll
rental
renter
rentier
renunciation
renvoi
reopen
reorder
reorganization
reorganize
reorientation
rep
rep.
repair
repairer
repairman
repad
reparable
reparation
reparative
repartee
repartition
repast
repatriate
repay
repeal
repeat
repeated
repeater
repeating decimal
repel
repellent
repent
repentance
repentant
repercussion
repertoire
repertory
repertory company
repetend
repetition
repetitious
repetitive
rephrase
repine
replace
replacement
replay
replenish
replete
repletion
replevin
replevy
replica
replicate
replication
reply
report
reportage
reporter
reportorial
repose
reposeful
reposit
reposition
repository
repossess
repp
reprehend
reprehensible
reprehension
represent
representation
representational
representationalism
representative
repress
repression
repressive
reprevie
reprimand
reprint
reprisal
reprise
repro
repro proof
reproach
reproachful
reproachless
reprobate
reprobation
reprobative
reproduce
reproduction
reproduction proof
reproductive
reprography
reproof
reprovable
reproval
reprove
rept.
reptant
reptile
reptilian
republic
republic of letters
republican
republicanism
republicanize
repudiate
repudiation
repugn
repugnance
repugnant
repulse
repulsion
repulsive
repurchase
reputable
reputation
repute
reputed
req.
request
requiem
requiem shark
requiescat
requiescat in pace
require
requirement
requisite
requisition
requital
requite
reredos
reremouse
rerun
res adjudicata
res gestae
res judicata
res publica
resale
rescind
rescission
rescissory
rescript
rescue
research
reseat
reseau
resect
resection
reseda
resemblance
resemble
resent
resentful
resentment
reserpine
reservation
reserve
reserve bank
reserved
reservist
reservoir
reset
resh
reshape
reside
residence
residency
resident
resident commissioner
residential
residential
residual
residuary
residue
residuum
resign
resignation
resigned
resile
resilience
resilient
resin
resinate
resiniferous
resinoid
resinous
resist
resistance
resistance thermometer
resistant
resistive
resistless
resistor
resnatron
resojet engine
resoluble
resolute
resolution
resolutive
resolvable
resolve
resolved
resolvent
resonance
resonant
resonant cavity
resonate
resonator
resorcinol
resort
resound
resource
resourceful
resp.
respect
respectability
respectable
respectful
respecting
respective
respectively
respirable
respiration
respirator
respiratory
respire
respite
resplendence
resplendent
respond
respondence
respondent
response
responser
responsibility
responsible
responson
responsive
responsiveness
responsory
responsum
rest
rest home
rest mass
rest room
restate
restaurant
restaurateur
restful
restharrow
resting
resting place
restitution
restive
restless
restoration
restorative
restore
restrain
restrained
restrainer
restraint
restraint of trade
restrict
restricted
restriction
restrictive
result
resultant
resume
resumption
resupinate
resupine
resurge
resurgent
resurrect
resurrection
resurrection plant
resurrectionism
resurrectionist
resuscitate
resuscitator
ret
retable
retail
retain
retained object
retainer
retaining wall
retake
retaliate
retaliation
retard
retardant
retardation
retarded
retarder
retardment
retch
retd.
rete
retene
retention
retentive
retentivity
rethink
retiarius
retiary
reticient
reticle
reticular
reticulate
reticulation
reticule
reticulum
retiform
retina
retinite
retinitis
retinol
retinoscope
retinoscopy
retinue
retire
retired
retirement
retiring
retool
retorsion
retort
retortion
retouch
retrace
retract
retractile
retraction
retractor
retrad
retral
retread
retreat
retrench
retrenchment
retribution
retributive
retrieval
retrieve
retriever
retro-
retroact
retroaction
retroactive
retrocede
retrochoir
retroflex
retroflexion
retrogradation
retrograde
retrogress
retrogression
retrogressive
retrorocket
retrorse
retrospect
retrospection
retrospective
retroversion
retrusion
retsina
return
return ticket
returnable
returnee
returning officer
retuse
reunion
reunionist
reunite
rev
rev.
revalue
revamp
revanche
revanchism
reveal
revealment
revegetate
reveille
revel
revelation
revelationist
revelatory
revelry
revenant
revenge
revengeful
revenue
revolutionary
revolutionist
revolutionize
revolve
revolver
revolving
revolving credit
revolving door
revolving fund
revue
revulsion
revulsive
reward
rewarding
rewire
reword
rework
rewrite
rhabdomancy
rhachis
rhamnaceous
rhapsodic
rhapsodist
rhapsodize
rhapsody
rhatany
rhea
rhenium
rheo-
rheo.
rheology
rheometer
rheostat
rheotaxis
rheotropism
rhesus
rhet.
rhetor
rhetoric
rhetorical
rhetorical question
rhetorician
rheum
rheumatic
rheumatic fever
rheumatism
rheumatoid
rheumatoid arthritis
rheumy
rhigolene
rhinal
rhinarian
rhinencephalon
rhinestone
rhinitis
rhino
rhino-
rhinoceros
rhinoceros beetle
rhinology
rhinoplasty
rhinoscopy
rhizo-
rhizobium
rhizocarpous
rhizogenic
rhizoid
rhizome
rhizomorphous
rhizopod
rhizotomy
rhodamine
rhodic
rhodium
rhododendron
rhodolite
rhodonite
rhomb
rhombencephalon
rhombic
rhombohedral
rhombohedron
rhomboid
rhombus
rhonchus
rhotacism
rhubarb
rhumb
rhumb line
rhyme
rhyme royal
rhyme scheme
rhymester
rhyming slang
rhynchocephalian
rhylite
rhythm
rhythm method
rhythm-and-blues
rhythmical
rhythmics
rhythmist
rhythm
ria
rial
rialto
riant
riata
rib
ribald
ribaldry
riband
ribband
ribbing
ribbon
ribbon development
ribbon worm
ribbonfish
ribbonwood
riboflavin
ribonuclease
ribonucleic acid
ribose
ribosomal RNA
ribosome
ribwort
rice
rice paper
ricebird
ricer
ricercar
ricercare
rich
rich rhyme
riches
richly
ricinoleic acid
ricinus oil
rick
rickets
rickettsia
rickety
rickey
rickrack
right field
right hand
right of way
right off
right triangle
right whale
right wing
right-angled triangle
right-hand
right-hand man
right-handed
right-hander
right-minded
righteous
righteousness
rightful
rightism
rightly
rightness
rights
rightward
rightwards
rigid
rigidify
rigmarole
rigor
gregor mortis
rigorism
rigorous
rigsdaler
rile
rilievoy
rill
rillet
rim
rime
rimester
rimose
rimple
rimrock
rind
rinderpest
ring
ring finger
ring in
ring out
ring ouzel
ring road
ring up
ring-necked
ring-necked pheasant
ring-tailed
ring-tailed cat
ringdove
ringed
ringed plover
ringent
ringer
ringhals
ringleader
ringlet
ringmaster
ringside
ringster
ringtail
ringworm
rink
rinse
riot
riotous
rip
rip cord
rip-roaring
riparian
ripe
ripen
ripieno
riposte
ripping
ripping bar
ripple
ripple mark
ripplet
ripply
ripsaw
riptide
rise
rise above
riser
rish
risibility
risible
rising
risk
risk capital
risky
risotto
rissole
rit.
ritardando
rite
rite of passage
rittenuto
ritornello
ritual
ritual murder
ritualism
ritualist
ritualize
ritzy
riv.
rivage
rival
rivalry
rive
riven
river
river horse
riverhead
riverine
riverside
rivet
rivulet
rix-dollar
riyal
rm.
rms
roach
road
road agent
road hog
road metal
road show
road test
roadability
roadbed
roadblock
roadhouse
roadrunner
roadside
roadstead
roadster
roadway
roadwork
roam
roan
roar
roaring
roast
roaster
roasting
rob
robalo
roband
rober
rober fly
robery
robin
robe
robe-de-chambre
robin
robin's-egg blue
robing
robe
robomb
roborant
robot
robot bomb
robot pilot
robotize
robust
robustious
roc
rocaille
rocambole
rochet
rock
rock bass
rock bottom
rock brake
rock candy
rock crystal
rock dove
rock garden
rock lobster
rock oil
rock pigeon
rock plant
rock salt
rock wool
rock-and-roll
rock-bottom
rock-bound
rock-ribbed
rockabilly
rockaway
rockbound
rocker
rocker arm
rockery
rocket
rocket bomb
rocket engine
rocket gun
rocket launcher
rocketeer
rocketry
rockfish
rocking chair
rocking horse
rocking stone
rockling
rockoon
rockrose
rockweed
rocky
rococo
rod
rode
rodent
rodenticide
rodeo
rodomontade
roe
roe deer
roebuck
roentgen ray
roentgenogram
roentgenograph
roentgenology
roentgenoscope
roentgenotherapy
rogation
rogatory
roger
rogue
rogue's march
roguery
rogues' gallery
roping
ropy
roque
roquelaure
rorqual
rosaceous
rosaniline
rosarium
rosary
rose
rose acacia
rose apple
rose beetle
rose campion
rose engine
rose geranium
rose mallow
rose moss
rose of Jericho
rose of Sharon
rose quartz
rose water
rose window
rose-water
roseate
rosebay
rosebud
rosefish
rosemary
roseola
rosette
rosewood
rosily
rosin
rosin oil
rosinweed
rostellum
roster
rostrum
rosy
rosy finch
rot
rota
rotary
rotary engine
rotary plow
rotary press
rotary pump
round hand
round lot
round out
round robin
round table
round top
round trip
round-faced
round-shouldered
round-the-clock
roundabout
rounded
roundel
roundelay
rounder
rounders
roundhouse
rounding
roundish
roundlet
roundly
roundsman
roundup
roundworm
roup
rouse
rousing
roustabout
rout
route
router
routine
routinize
roux
rove
rove beetle
rove-over
rover
roving
row
rowan
rowboat
rowdy
rowdyish
rowdyism
rowel
rowing boat
rowing machine
rowlock
royal
royal blue
royal duke
royal fern
royal flush
royal jelly
royal palm
royal poinciana
royal purple
royal road
royal standard
royal tennis
royalist
royalty
rpt.
rt.
rub
rub down
rub in
rub off
rub out
rub up
rub-a-dub
rubato
rubber
rubber band
rubber cement
rubber plant
rubber stamp
rubber tree
rubberize
rubberneck
rubbery
rubbing
rubbish
rubble
rubdown
rube
rubefaction
rubella
rubellite
rubeola
rubescent
rubiaceous
rubicund
rubidium
rubiginous
rubious
ruble
rubric
rubricate
rubrician
rubstone
ruby
ruby silver
ruby spinel
ruche
ruching
ruck
ruck sack
ruckus
ruction
rudbeckia
rudd
rudder
rudder head
rudderpost
ruddle
ruddock
ruddy
ruddy duck
rude
ruder al
rudiment
rudimentary
rue
rueful
rufescent
ruff
ruffled grouse
ruffian
ruffianism
ruffle
ruffled
rufous
rug
rugged
rugger
rugging
rugose
ruin
ruination
ruinous
rule
rule of three
rule of thumb
rule out
ruler
ruling
ruling elder
run
rumal
rumba
rumble
rumble seat
rumen
ruminant
ruminator
ruminative
rummage
rummage sale
rummer
rummy
rumor
rumormonger
rump
rumple
rumpus
rumpus room
rumrunner
run
run across
run after
run along
run around
run away
run down
run in
run into
run off
run on
run out
run over
run through
run to
run up
run-down
run-in
run-of-the-mill
run-of-the-mine
run-through
runabout
runagate
runaway
runcible spoon
rundle
rundlet
rundown
rune
runesmith
rung
runic
runlet
runnel
runner
runner and tackle
runner bean
runner-up
running
running board
running broad jump
running head
running knot
running light
running mate
running rigging
running start
running stitch
running title
runny
runoff
runt
runty
runway
rupee
rupiah
rupture
rural
rural dean
rural district
rural free delivery
ruralize
ruse
rush
rush hour
rushing
rushy
rusk
russet
rust
rust-colored
rustic
rusticate
rustication
rustle
rustler
rustproof
rusty
rut
rutabaga
rutaceous
ruth
ruthenic
ruthenious
ruthenium
rutherfordium
ruthful
ruthless
rutilant
rutile
ruttish
rutty
rye
rye bread
rye whiskey
s
s.
s.a.
s.d.
s.g.
s.l.
s.o.
s.p.
sabadilla
sabayon
sabbatical
sabbatical year
saber
saber-toothed tiger
sabin
sable
sable antelope
sabotage
saboteur
sabra
sabre
sabulous
sac
sacaton
saccharase
saccharate
saccharic acid
saccharide
sacchariferous
saccharify
saccharin
saccharine
saccharo-
saccharoid
saccharometer
saccharose
saccular
sacculate
saccule
sacculus
sacellum
sacerdotal
sacerdotalism
sachem
sachet
sack
sack coat
sack race
sack suit
sackbut
sackcloth
sacker
sacking
sacral
sacrament
sacramental
sacramental wine
sacramentalism
sacramentalist
sacrarium
sacred
sacred cow
sacrifice
sacrificial
sacrilege
sacrilegious
sacring
sacring bell
sacristan
sacristy
sacroiliac
sacrosanct
sacrum
sad
sad sack
sad-faced
sadden
saddle
saddle blanket
saddle horse
saddle roof
saddle seat
saddle soap
saddle-backed
saddleback
saddlebag
saddlebow
saddlecloth
saddler
saddlery
saddletree
sadiron
sadism
sadness
sadomasochism
safari
safe
safe period
safe-conduct
safeguard
safekeeping
safelight
safety
safety belt
safety bicycle
safety factor
safety fuse
safety glass
safety lamp
safety match
safety pin
safety razor
safety valve
safflower oil
saffron
safranine
sag
saga
sagacious
sagacity
sagamore
sage
gage grouse
sage hen
sagebrush
sagittal
sagittate
sago
sago palm
saguaro
sahib
said
saiga
sail
sailboat
sailcloth
sailer
sailfish
sailing
sailing boat
sailing ship
sailmaker
sailor
sailor suit
sailor's-choice
sailplane
sain
sainfoin
saint
sainthood
saintly
saith
sake
saker
saki
sal ammoniac
sal soda
sal volatile
salaam
salable
salacious
salad
salad bowl
salad days
salad dressing
salade
salamander
salami
salaried
salary
sale
saleable
salep
saleratus
sales
sales promotion
sales resistance
sales talk
sales tax
salesclerk
salesgirl
salesman
salesmanship
salespeople
salesperson
salesroom
saleswoman
salicylactic
salicylate
salicylic acid
salience
salient
salientian
saliferous
salify
salimeter
salina
saline
salinometer
saliva
salivary gland
salivate
salivation
sallet
sallow
sally
sally port
salmagundi
salmi
salmon
salmon pink
salmon trout
salmonberry
salmonella
salmonoid
salol
salon
saloon
saloop
salpa
salpiglossis
salpingectomy
salpingitis
salpingotomy
salpinx
salsify
salt
salt cake
salt dome
salt flat
salt lick
salt marsh
salt pork
salt water
salt-and-pepper
saltant
saltarello
saltation
saltatorial
saltatory
saltcellar
salted
salter
saltern
saltgrade
saltine
saltire
saltish
saltpeter
salts
saltus
saltwater
saltworks
saltwort
salty
saltwort
salubrious
salutary
salutation
salutatory
salute
salvage
salvation
salve
salver
salverform
salvia
salvo
samadhi
samarium
samarskite
samba
sambar
sambo
same
samekh
sameness
samiel
samisen
samite
samovar
sampan
samphire
sample
sampler
sampling
samsara
samurai
sanative
sanatorium
sanatory
sanbenito
sanctified
sanctify
sanctimonious
sanctimony
sanction
sanctitude
sanctity
sanctuary
sanctum
sanctum sanctorum
sand
sand castle
sand crack
sand dab
sand dollar
sand flea
sand hopper
sand lance
sand lizard
sand martin
sand painting
sand trap
sand-blind
sandal
sandalwood
sandarac
sandbag
sandbank
sandblast
sandbox
sandbox tree
sander
sanderling
sandfly
sandglass
sandhi
sandhog
sandman
sandpaper
sandpiper
sandpit
sandstone
sandstorm
sandwich
sandwich board
sandwich man
sandy
sandy blight
sane
sang
sang-froid
sangria
sanguinaria
sanguinary
sanguine
sanguineous
sanguinolent
sanies
sanious
sanitarian
sanitarium
sanitary
sanitary belt
sanitary cordon
sanitary engineering
sanitary towel
sanitation
sanitize
sanity
sanjak
sank
sannyasi
sans
sans pareil
sans serif
sans souci
sans-culotte
santalaceous
santonica
santonin
sap
sap green
sapajou
sapanwood
sapele
saphead
sapheaded
saphena
apid
sapient
sapiential
sapindaceous
sapless
sapling
sapodilla
saponaceous
saponify
saponin
sapor
saporific
saporous
sapota
sapotaceous
sappanwood
sapper
sapphire
saphirine
sapphism
sappy
sapro-
saprogenic
saprolite
saprophagous
saprophyte
sapsago
sapsucker
sapwood
saraband
saran
sarangi
sarcasm
sarcastic
sarcenet
sarco-
sarcocarp
sarcoid
sarcoma
sarcomatosis
sarcophagus
sarcous
sard
sardine
sardius
sardonic
sardonyx
sargasso
sargassum
sari
sarmentose
sarmentum
sarong
saros
sarracenia
sarraceniaceous
sarrusophone
sarsaparilla
sarsen
sarsenet
sartor
sartorial
sartorius
sash
sash cord
sash weight
sashay
sasin
saskatoon
sass
sassaby
sassafras
sassafras oil
sassy
sastruga
sat
satang
satanic
satchel
sate
sateen
satellite
satem
satiable
satiate
satiated
satiety
sat
satin glass
satin stitch
satinet
satinwood
satiny
satire
satirical
satirist
satirize
satisfaction
satisfactory
satisfied
satisfy
satori
satrap
saturable
saturant
saturate
saturated
saturation
saturation bombing
saturation point
saturniid
saturnine
satyr
satyr play
satyrasis
sauce
saucepan
saucer
saucy
sauerbraten
sauerkraut
sauger
sauna
saunter
saurel
saurian
saurischian
sauropod
saury
sausage
saut de basque
sauterne
sauve qui peut
savage
savagery
savagism
savanna
savant
savarin
savate
save
save-all
saveloy
saving
savings account
savings and loan association
savings bank
savior
saviour
savoir-faire
savoir-vivre
savor
savory
savour
savoury
savoy
saw
saw palmetto
saw-toothed
sawbuck
sawdust
sawfish
sawfly
sawhorse
sawmill
sawn
sawyer
sax
saxhorn
saxophone
saxtuba
scandin
scandium
scanner
scansion
scansorial
scant
scanties
scantling
scanty
scape
scapegoat
scapegrace
scaphoid
scapolite
scapula
scapular
scar
scarab
scarabaeid
scarabaeoid
scarabaeus
scarce
scarcely
scarcity
scare
scarecrow
scaremonger
scarf
scarfskin
scarification
scarificator
scarify
scarlatica
scarlet
scarlet fever
scarlet hat
scarlet letter
scarlet pimpernel
scarlet runner
scarlet tanager
scarlet woman
scarp
scarper
scary
scat
scat singing
scathe
scathing
scatology
scatter
scatter pin
scatter rug
scatterbrain
scattering
scaup duck
scauper
scavenge
scavenger
scenario
scenarist
scend
scene
scene dock
scenery
scenic
scenography
scent
scepter
sceptic
sceptre
sch.
shappe
schedule
scheelite
schema
schematic
schematism
schematize
scheme
scheming
scherzando
scherzo
schiller
schilling
schipperke
schism
schismatic
schist
schistosome
schistosomiasis
schizo
schizogenesis
schizogony
schizoid
schizomycete
schizont
schizophrenia
schizophrenic
schizopod
schizothymia
schlemiel
schlep
schlierten
schlieren photography
schlimazle
schlock
schmaltz
schmaltzy
schmo
schmooze
schmuck
schnapps
schnauzer
schnitzel
schnook
schnorkle
schnorrer
schnozzle
schola cantorum
scholar
scholarship
scholastic
scholasticate
scholasticism
scholiast
scholium
school
school age
school board
school year
schoolbag
schoolbook
schoolboy
schoolfellow
schoolgirl
schoolhouse
schooling
schoolma'am
schoolman
schoolmarm
schoolmaster
schoolmate
schoolmistress
schoolroom
schoolteacher
schooner
schoal
schottische
schuss
schwa
sci-fi
sci.
sciamachy
sciatic
sciatica
science
science fiction
sciential
scientific
scientism
scientist
scientistic
scilicet
scilla
scimitar
scincoid
scintilla
scintillant
scintillate
scintillation
scintillation counter
scintillator
scintillometer
sciolism
sciomachy
sciomancy
scion
scirrhous
scirrhus
scissel
scissile
scission
scissor
scissors
scissors kick
scissors truss
scissure
sciurine
sciuroid
sclaff
sclera
sclerenchyma
sclerite
scleritis
scleroderma
sclerodermatous
scleroma
sclerometer
sclerophyll
scleroprotein
sclerosed
sclerosis
sclerotic
sclerotomy
sclerous
scoff
scofflaw
scold
scolecite
scolex
scoliosis
scolopendrid
sconce
scone
scoop
scoop neck
scoot
scooter
scop
scope
scopolamine
scopoline
scopophilia
scopula
scorbutic
scorch
scorcher
score
scoreboard
scorecard
scorekeeper
scoria
scorify
scorn
scornful
scorpaenid
scorpaenoid
scorper
scorpion
scot
scot and lot
scot-free
scotch
scoter
scotia
scotopia
scoundrel
scoundrelly
scour
scourge
scouring
scourings
scout
scout car
scouting
scoutmaster
scow
scowl
scr.
scrabble
scrag
scraggly
scraggy
scram
scramble
scrambled eggs
scrambler
scannel
scrap
scrap iron
scrapbook
scrape
scraper
scrapboard
scrappe
scraply
scratch
scratch hit
scratch pad
scratch sheet
scratch test
scratchboard
scratches
scratchy
scrawl
scrawl
scrawny
scream
scream
screamer
scree
screech
screech owl
screeching
screech owl
screen
screen grid
screen memory
screen test
screening
screenplay
screw
screw anchor
screw eye
screw pine
screw propeller
screw up
screwball
screwdriver
screwed
screwworm
screwy
scribble
scribbler
scribe
scriber
scrim
scrimmage
scrimp
scrimpy
scrimshaw
scrip
scrip dividend
script
scriptorium
scriptural
scripture
scriptwriter
scrivener
scrobiculate
scrod
scrofula
scrofulous
scroll
scroll saw
scroop
scrophulariaceous
scrotum
scrouge
scrounge
scrub
scrub typhus
scrubber
scrubby
scrubland
scuff
scruffy
scrummage
scrumptious
scrunch
scruple
scrupulous
scrutable
scrutator
scrutineer
scrutinize
scrutiny
scuba
scud
scudo
scuff
scuffle
scull
scullery
scullion
sculp.
sculpin
sculpsit
sculp
sculptor
sculptress
sculpture
sculpturesque
scum
scumble
scummy
scup
scupper
scuppernong
scarf
scurrie
scurriility
scurrilous
scurry
scurvy
scurvy grass
scut
scuta
scutage
scutate
scutch
scutch grass
scutcheon
scute
scutellation
scutiform
scutter
scuttle
scuttlebutt
scutum
scyphate
scyphozoan
scyphus
scythe
sd.
sea
sea anchor
sea anemone
sea bag
sea bass
sea bird
sea biscuit
sea bream
sea breeze
sea captain
sea chest
sea coal
sea cow
sea devil
sea dog
sea duck
sea eagle
sea elephant
sea fan
sea foam
sea green
sea gull
sea heath
sea holly
sea horse
sea king
sea ladder
sea lavender
sea lawyer
sea legs
sea lettuce
sea level
sea lily
sea lion
sea mew
sea mile
sea milkwort
sea moss
sea onion
sea otter
sea perch
sea pink
sea power
sea purse
sea raven
sea robin
sea room
sea rover
sea serpent
sea shell
sea slug
sea snake
sea squill
sea squirt
sea swallow
sea tangle
sea trout
sea turtle
sea urchin
sea wrack
sea-island cotton
sea-maid
seaboard
seaborne
seacoast
seacock
seadog
seafarer
seafaring
seafood
seagirt
seagoing
seal
seal brown
seal ring
sealed
sealed book
sealed orders
sealer
sealing wax
sealskin
seam
seaman
seamanlike
seamanship
seamark
seamount
seamstress
seamy
seaplane
seaport
sequake
sear
search
search party
search warrant
searching
searchlight
seascape
seashore
seasick
seasickness
seaside
season
seasonable
seasonal
seasoning
seat
seat belt
seating
seaward
seawards
seaware
seaway
seaweed
seaworthy
sebaceous
sebaceous gland
sebamic acid
sebi-
sebiferous
sebum
sec
sec.
secant
secateurs
secco
secede
secern
secession
secessionist
sech
seclude
secluded
seclusion
seclusive
second
second childhood
second class
second cousin
second estate
second fiddle
second floor
second growth
second hand
second lieutenant
second mate
second mortgage
second nature
second person
second reading
second sight
second string
second thought
second wind
second-best
second-class
second-degree burn
second-guess
second-rate
secondary
secondary cell
secondary color
secondary emission
secondary school
secondary sex characteristic
secondary stress
secondary syphilis
secondhand
secondly
secrecy
secret
secret agent
secret partner
secret police
secret service
secret society
secretarial
secretariat
secretary
secretary bird
secretary of state
secretary-general
secrete
secretin
secretion
secretive
secretory
sect
sect.
sectarian
sectarianism
sectarianize
sectary
section
section mark
sectional
sectionalism
sectionalize
sector
sectorial
secular
secularism
secularity
secund
secundine
secundines
secure
security
security risk
sedan
sedan chair
sedan cruiser
sedate
sedation
sedative
sedentary
sedge
sediment
sedimentary
sedimentation
sedimentology
seditious
seduce
seducer
seduction
seductive
seductress
sedulity
sedulous
sedum
see
see into
see out
see through
see-through
seed
seed capsule
seed coat
seed corn
seed leaf
seed plant
seed vessel
seedbed
seedcase
seeder
seedling
seedtime
seedy
seeing
seek
seek out
seeker
seel
seem
seeming
seemly
seen
seep
seepage
seer
seeress
seersucker
seesaw
seethe
segment
segmental
segmentation
segmentation cavity
segno
segregate
segregation
segregationist
seguidilla
sei whale
seicento
seigneur
seigneury
seignior
seigniorage
seigniory
seine
seise
seisin
seism
seismic
seismism
seismo-
seismograph
seismography
seismology
seismoscope
seize
seizing
seizure
sejant
selachian
selaginella
selah
seldom
select
selectee
selection
selective
selective service
selectivity
selectman
selector
selenate
selenious
selenious acid
selenite
selenium
selenodont
selenography
self
self-
self-abasement
self-abnegation
self-absorbed
self-absorption
self-abuse
self-acting
self-addressed
self-aggrandizement
self-analysis
self-annihilation
self-appointed
self-assertion
self-assurance
self-assured
self-centered
self-command
self-conceit
self-confessed
self-confidence
self-congratulation
self-conscious
self-consequence
self-consistent
self-contained
self-content
self-contradiction
self-control
self-deceit
self-deception
self-defense
self-delusion
self-denial
self-deprecating
self-determination
self-devotion
self-discipline
self-drive
self-driven
self-educated
self-effacement
self-effacing
self-employed
self-esteem
self-evident
self-examination
self-excited
self-executing
self-existent
self-explanatory
self-expression
self-fertilization
self-forgetful
self-fulfillment
self-governed
self-government
self-gratification
self-help
self-hypnosis
self-identity
self-immolating
self-immolation
self-important
self-improvement
self-induced
self-inductance
self-induction
self-indulgent
self-insurance
self-interest
self-justifying
self-knowledge
self-liquidating
self-loading
self-love
self-made
self-mastery
self-mortification
self-moving
self-operating
self-opinionated
self-pity
self-pollination
self-possessed
self-possession
self-preservation
self-pronouncing
self-propelled
self-propulsion
self-realization
self-regard
self-regulated
self-regulating
self-reliance
self-reliant
self-renunciation
self-reproach
self-respect
self-restraint
self-revealing
self-righteous
self-rising
self-sacrifice
self-satisfaction
self-satisfied
self-sealing
self-seeker
self-seeking
self-service
self-sown
self-starter
self-styled
self-sufficient
self-suggestion
self-support
self-supporting
self-sustaining
self-taught
self-will
self-winding
selfheal
selfhood
selfish
selfless
selfness
selfsame
sell
sell off
sell out
seller
sellers' market
selling race
selling-plater
selsyn
selvage
selves
sem.
semanteme
semantic
semantics
semaphore
semasiology
sematic
semblable
semblance
semeiology
sememe
semen
semester
semi-
semiannual
semiaquatic
semiautomatic
semibreve
semicentennial
semicircle
semicircular canal
semicolon
semiconductor
semiconscious
semidiurnal
semidome
semifinal
semifinalist
semifluid
semiliquid
semiliterate
semilunar
semimonthly
seminal
seminar
seminarian
seminary
semination
semiology
semiotic
semiotics
semipalmate
semipermeable
semiporcelain
semipostal
semipro
semiprofessional
semiquaver
semirigid
semiskilled
semitone
semitrailer
semitropical
semivitreous
semivowel
semiweekly
semiyearly
semolina
semper fidelis
semper paratus
semiperteral
sempstress
sen
senarmontite
senary
senate
senator
senatorial
senatus consultum
send
send down
send-off
sendal
sender
senega
senescent
seneschal
senhor
senhorita
senile
senility
senior
senior citizen
senior high school
seniority
senna
sennet
sennight
senmit
sensate
sensation
sensational
sensationalism
sense
sense datum
sense organ
sense perception
senseless
sensibility
sensible
sensible horizon
sensillum
sensitive
sensitive plant
sensitivity
sensitize
sensitometer
sensor
sensorimotor
sensorium
sensory
sensual
sensualism
sensualist
sensuality
sensuous
sent
sentence
sentential function
sententious
sentence
sentient
sentiment
sentimental
sentimentalism
sentimentality
sentimentalize
sentinel
sentry
sentry box
sepal
sepaloid
separable
separate
separate school
separates
separation
separatist
separative
separator
separatrix
sepia
sepoys
seppuku
sepsis
sept
septa
septal
septarium
septate
septavalent
septempartite
septenary
septennial
septet
septi-
septic
septic tank
septicemia
septicemic plague
septicidal
septilateral
septillion
septimal
septime
septivalent
septuagenarian
septum
septuor
septuple
septuplet
septuplicate
sepulcher
sepulchral
sepulchre
sepulture
seqq.
sequacious
sequel
sequela
sequence
sequent
sequential
sequester
sequestered
sequestrate
sequestration
sequin
sequoia
ser
sera
seraglio
serai
seraph
seraphic
serdab
sere
serena
serenade
serenata
serendipity
serene
serenity
serf
serge
sergeant
sergeant at arms
sergeant first class
sergeant major
serial
serial number
serialize
seriate
seriatim
sericeous
sericin
seriema
series
series-wound
serif
serigraph
serin
serine
seringa
seriocomic
serious
serjeant
sermon
sermonize
sero-
serology
serosa
serotherapy
serotine
serotonin
serous
serous fluid
serous membrane
serow
serpent
serpentiform
serpentine
serpigo
serranid
serrate
serrated
serration
serried
serriform
serrulate
serrulation
serum
serum albumin
serum globulin
serum hepatitis
serval
servant
serve
server
service
service book
service ceiling
service medal
service station
service stripe
serviceable
serviceberry
serviceman
servient tenement
serviette
servile
servility
serving
servitor
servitude
servo
servo system
servomechanical
servomechanism
servomotor
sesame
sesqui-
sesquialtera
sesquicarbonate
sesquicentennial
sesquioxide
sesquipedalian
sesquiplane
sessile
session
sessions
sesterce
sestertium
set
set about
set against
set aside
set back
set down
set forth
set in
set off
set on
set out
set piece
set point
set square
set theory
set to
set up
set width
seta
setaceous
setback
setiform
setose
setscrew
sett
settee
setter
setting
setting-up exercises
settle
settle down
settle for
settle in
settle with
settlement
settler
settling
settlings
setula
setup
seven
seven deadly sins
seven seas
seven-up
seven-year itch
sevenfold
seventeen
seventeen-year locust
seventeenth
seventh
seventh chord
seventh heaven
seventieth
seventy
sever
severable
several
severally
severalty
severance
severance pay
severe
severity
sew
sew up
sewage
sewan
sewellel
sewer
sewerage
sewing
sewing machine
sewn
sex
sex act
sex appeal
sex chromosome
sex hormone
sex-
sex-limited
sexagenarian
sexagenary
sexagesimal
sexcentenary
sexdecillion
sexed
sexennial
sexism
sexist
sexivalent
sexless
sexology
sexpartite
sext
sext
sextain
sextan
sextant
sextet
sextillion
sextodecimo
sexton
sextuple
sextuple time
sextuplet
sextuplicate
sexual
sexual intercourse
sexual reproduction
sexual selection
sexuality
sexy
sf
sferics
sfumato
sgd.
sgraffito
shabby
shabby-genteel
shack
shackle
shad
shadberry
shadbush
shadchan
shaddock
shade
shade tree
shading
shadoof
shadow
shadow play
shadowgraph
shadowy
shaduf
shady
shaft
shafting
shag
shagbark
shaggy
shaggy-dog story
shagreen
shah
shake
shake down
shake off
shake up
shake-up
shakedown
shaker
shaking
shaking palsy
shako
shaky
shale
shale oil
shall
shalloon
shallop
shallot
shallow
shalom aleichem
shalt
sham
shaman
shamanism
shamble
shambles
shame
shamefaced
shameful
shameless
shammer
shammy
shampoo
shamrock
shamus
shan't
shandydan
shandy
shanghai
shank
shanny
shantung
shanty
shape
shape up
shaped
shapeless
shapely
shard
share
sharecrop
sharecropper
shareholder
shark
sharkskin
sharp
sharp-eared
sharp-edged
sharp-eyed
sharp-freeze
sharp-nosed
sharp-set
sharp-sighted
sharp-witted
sharpen
sharper
sharpie
sharpshooter
shashlik
shastra
shatter
shatterproof
shave
shaveling
shaven
shaver
shaving
shaving soap
shaw
shawl
shawl collar
shawm
shay
she
she'd
she'll
she's
she-devil
sheaf
shear
sheared
shears
shearwater
sheatfish
sheath
sheath knife
sheathbill
sheathe
sheathing
sheave
sheaves
shebang
shebeen
shed
shed roof
sheen
sheeny
sheep
sheep ked
sheep sorrel
sheep tick
sheep's eyes
sheep's fescue
sheep-dip
sheepcote
sheepdog
sheepfold
sheepherder
sheepish
sheepshank
sheepshead
sheepshearing
sheepskin
sheepwalk
sheer
sheer strake
sheerlegs
sheers
sheet
sheet anchor
sheet bend
sheet glass
sheet lightning
sheet metal
sheet music
sheet-fed
sheeting
sheik
sheikdom
sheikh
shekel
shelduck
shelf
shelf ice
shelf life
shell
shell bean
shell game
shell jacket
shell out
shell shock
shellac
shellacking
shellback
shellbark
shelled
shellfire
shellfish
shellproof
shelter
shelter deck
shelter tent
shelty
shelve
shelves
shelving
shend
shepherd
shepherd dog
shepherd's pie
shepherd's-purse
sherbet
sherd
sheriff
sherry
sheugh
shew
shibboleth
shied
shield
shield bug
shield fern
shier
shiest
shift
shift key
shiftless
shifty
shigella
shikari
shiksa
shill
shillelagh
shilling
shilling mark
shilly-shally
shimmer
shimmery
shimmy
shin
shinbone
shindig
shine
shiner
shingle
shingles
shingly
shinleaf
shinny
shiny
ship
ship biscuit
ship chandler
ship money
ship of the line
ship of war
ship's boat
ship's boy
ship's husband
ship's papers
ship-rigged
shipboard
shipentine
shipload
shipman
shipmaster
shipmate
shipment
shipowner
shippen
shipper
shipping
shipping ton
shipshape
shipway
shipworm
shipwreck
shipwright
shoo
shoo-in
shook
shool
shoon
shoot
shoot down
shoot out
shoot up
shooter
shooting box
shooting brake
shooting gallery
shooting iron
shooting script
shooting star
shooting stick
shooting war
shop
shop assistant
shop steward
shophar
shopkeeper
shoplifter
shopper
shopping
shopping center
shopwindow
shopworn
shoran
shore
shore bird
shore leave
shore patrol
shoreless
shoreline
shoreward
shoring
shorn
short
short account
short circuit
short covering
short division
short hundredweight
short interest
short list
short shrift
short story
short subject
short ton
short-change
short-circuit
short-cut
short-lived
short-sighted
short-tempered
short-term
short-winded
shortage
shortbread
shortcake
shortcoming
shortcut
shorten
shortening
shortfall
shorthand
shorthanded
shorthorn
shortie
shortly
shorts
shortsighted
shortstop
shortwave
shot
shot glass
shot hole
shot put
shot tower
shot-putter
shote
shotgun
shotgun wedding
shotten
should
shoulder
shoulder bag
shoulder blade
shoulder pad
shoulder patch
shoulder strap
shoulder weapon
shouldn't
shouldst
shout
shout down
shove
shove off
shovel
shovel hat
shovelboard
shoveler
shovelhead
shovelnose
show
show bill
show business
show girl
show of hands
show off
show up
show-off
show-through
showboat
showbread
showcase
showdown
shower
showery
showily
showiness
showing
showman
showmanship
shown
showpiece
showplace
showroom
showy
shpt.
shr.
shrapnel
shred
shredding
shrew
shrew mole
shrewd
shrewish
shrewmouse
shriek
shrieval
shrievalty
shrieve
shrift
shrike
shriek
shrimp
shrine
shrink
shrinkage
shrive
shrivel
shroff
shroud
shroud knot
shroud-laid
shrove
shrub
shrubbery
shrubby
shrug
shrug off
shrunk
shrunken
shtrg.
shuck
shudder
shuddering
shuffle
shuffleboard
shul
shun
shunt
shunt-wound
shush
shut
shut up
shut-in
shutdown
shutout
shutter
shuttering
shuttle
shuttlecock
shwa
shy
shyster
si
sialagogue
sialoid
siamang
sib
sibilant
sibilate
sibling
sibship
sibyl
sic
sic passim
siccative
sick
sick headache
sick leave
sick list
sicken
sickener
sickening
sickle
sickle feather
sicklebill
sickly
sickness
sickroom
siddur
side
side arms
side chain
side dish
side drum
side effect
side horse
side meat
side step
side street
side table
side whiskers
side-dress
sideband
sideboard
sideburns
sidecar
sidekick
sidelight
sideline
sideling
sidelong
sideman
sidereal
sidereal day
sidereal hour
sidereal month
sidereal time
sidereal year
siderite
sidero-
siderolite
siderosis
siderostat
sidesaddle
sideshow
sideslip
sidesman
sidestep
sidestroke
sideswipe
sidetrack
sidewalk
sideward
sideway
sideways
sidewheel
sidewinder
siding
side
siege
siemens
sienna
sierra
siesta
sieve
sieve tube
sift
siftings
sig.
sigh
sight
sight bill
sight draft
sight-read
sight-seeing
sighted
sightless
sightly
sigil
siglos
sigma
silesia
silhouette
silica
silica gel
silica glass
silicate
siliceous
silici-
silicic
silicic acid
silicify
silicious
silicium
silicle
silicon
silicon carbide
silicone
silicosis
siliculose
siliqua
silique
silk
silk hat
silk oak
silk-screen printing
silk-stocking
silkaline
silken
silkweed
silkworm
silky
sill
sillabub
sillimanite
silly
silly season
silo
siloxane
silt
siltstone
silurid
silva
silvan
silver
silver age
silver bell
silver birch
silver bromide
silver certificate
silver chloride
silver fizz
silver foil
silver fox
silver frost
silver iodide
silver leaf
silver lining
silver maple
silver nitrate
silver plate
silver screen
silver standard
silver thaw
silver-eye
silver-plate
silver-tongued
silverfish
simern
silverpoint
silverside
silversmith
silverware
silverweed
silvery
silviculture
simia
simar
simarouba
simaroubaceous
simba
simian
similar
similarity
simile
similitude
simitar
simmer
simnel cake
simon-pure
simoniac
simonize
simony
simoom
simp
simpatico
simper
simple
simple chancre
simple harmonic motion
simple interest
simple machine
simple microscope
simple sentence
simple time
simple-hearted
simple-minded
simpleton
simplex
simplicidentate
simplicity
simplify
simplism
simplistic
simply
simulacrum
simulant
simulate
simulated
simulation
simulator
simulcast
simultaneous
simultaneous equations
sin
sinapism
since
sincere
sincerity
sinciput
sine
sine curve
sine die
sine prole
sine qua non
sine wave
sincere
sinew
sinewy
sinfonia
sinfonietta
sinful
sing
sing out
sing.
sing
singer
singing bird
single
single bond
single combat
single entry
single file
single quotes
single rhyme
single tax
single-action
single-breasted
single-cross
single-foot
single-handed
single-handedly
single-hearted
single-lens reflex
single-minded
single-phase
singleness
singles
singlestick
singlet
singleton
single-tree
singly
singsong
singular
singularity
singularize
singultus
sinh
sinister
sinistrad
sinistral
sinistrality
sinistrocular
sinistrodextral
sinistrorse
sinistrous
sink
sink in
sinkage
sinker
sinkhole
sinking
sinking fund
sinless
sinner
sinter
sinuate
sinuation
sinuosity
sinuous
sinus
sinusitis
sinusoid
sinusoidal
sinusoidal projection
sip
siphon
siphon bottle
siphonophore
siphonostele
sipper
sippet
sir
sir-reverence
sirdar
sire
siren
sirenic
siriasis
sirloin
sirocco
sirrah
sirree
sirup
sis
sisal
siskin
sissified
sissy
sister
sister-in-law
sisterhood
sisterly
sit
sit back
sit down
sit on
sit up
sit-down
sit-down strike
sit-in
sitar
site
sitology
sitter
sitting
sitting duck
sitting room
situate
situated
situation
situation comedy
situla
situs
sitz bath
sitzmark
six
six-eight time
six-footer
six-gun
six-pack
sixfold
sixpence
sixpenny
sixteen
sixteenmo
sixteenth
sixteenth note
sixth
sixth chord
sixth sense
sixtieth
sixty
sixty-four
sixty-fourmo
sixty-fourth note
sixty-nine
sizable
sizar
size
size up
sizeable
sized
sizing
sizzle
sizzler
sjambok
skald
skat
skate
skateboard
skater
skatole
skean
skean dhu
skedaddle
skeet
skeg
skein
skeleton
skeleton key
skellum
skelp
skep
skepful
skeptic
skeptical
skepticism
skerrick
skerry
sketch
sketchbook
sketchy
skew
skewback
skewbald
skewer
skewness
ski
ski jump
ski lift
ski pants
ski tow
ski troops
skiagraph
skiасope
skid
skid fin
skid row
skidproof
skidway
skied
skiff
skiffle
skiing
skijoring
skilful
skill
skill-less
skilled
skillet
skillful
skilling
skim
skim milk
skimmer
skimmia
skimp
skimpy
skin
skin diving
skin effect
skin flick
skin friction
skin graft
skin-deep
skin-dive
skinflint
skinhead
skink
skinned
skinny
skinny-dip
skintight
skip
skip distance
skip tracer
skip-bomb
skipjack
skiplane
skipper
skippet
skirl
skirling
skirmish
skirr
skirret
skirt
skirting
skit
skite
skitter
skittish
skittle
skive
skiver
skivvy
skulduggery
skulk
skull
skull and crossbones
skullcap
skunk
skunk cabbage
sky
sky blue
sky pilot
sky wave
sky-high
skycap
skydive
skyjack
skylark
skylight
skyline
skyrocket
skysail
skyscape
skyscraper
skyscraper
skysweeper
skyward
skyway
skywriting
slab
slabber
slack
slack suit
slack water
slack-jawed
slacken
slacker
slacks
slag
slain
slide
slaked lime
slalom
slam
slam-bang
slander
slang
slangy
sleeping
sleeping bag
sleeping beauty
sleeping car
sleeping draught
sleeping partner
sleeping pill
sleeping sickness
sleepless
sleepwalk
sleepy
sleepyhead
sleet
sleety
sleeve
sleight
sleight of hand
slender
slenderize
sleuth
sleuthhound
slew
slice
slice bar
slicer
slick
slickenside
slicker
slide
slide fastener
slide rule
slide trombone
slide valve
slide-action
slider
sliding
sliding scale
slier
sliest
slight
slighting
slightly
slily
slim
slime
slime mold
slimsy
slimy
sling
sling psychrometer
slinger ring
slingshot
slink
slinky
slip
slip ring
slip stitch
slip up
slip-on
slipcase
slipcover
slipknot
slipnoose
slipover
slippage
slipper
slipperwort
slippery
slippery elm
slippy
slipsheet
slipshod
slipslop
slipstream
slipway
slit
slit trench
slither
sliver
slivovitz
slob
slob ice
slobber
slobery
sloe
sloe gin
slog
slogan
sloganeer
sloop
sloop of war
slop
slope
sloppy
slopluck
slush fund
slushy
slut
sly
slype
smack
smack-dab
smacker
smacking
small
small arms
small beer
small calorie
small capital
small change
small circle
small fry
small hours
small intestine
small pica
small potatoes
small slam
small stores
small stuff
small talk
small-minded
small-scale
small-time
smallage
smallclothes
smallish
smallmouth bass
smallpox
smallsword
smalt
smalite
smalto
smaragd
smaragdine
smaragdite
smarm
smarmacy
smart
smart aleck
smart money
smart set
smarten
smash
smash-and-grab
smash-up
smashed
smasher
smashing
smatter
smattering
smaze
smear
smear word
smearcase
smectic
smegma
smell
smelling bottle
smelling salts
smelly
smelt
smelter
smew
smidgen
smilacaceous
smilax
smile
smirch
smirk
smite
smith
smithereens
smithery
smithsonite
smithy
smitten
smock
smock frock
smock mill
smocking
smog
smoke
smoke bomb
smoke out
smoke screen
smoke tree
smoke-dry
smokechaser
smokejumper
smokeless
smokeless powder
snailfish
snake
snake charmer
snake dance
snakebird
snakebite
snakemouth
snakerooot
snaky
snap
snap bean
snap ring
snap roll
snap up
snapback
snapdragon
snapper
snapping turtle
snappish
snappy
snapshot
snare
snare drum
snarl
snatch
snatch block
snatchy
snath
snazzy
sneak
sneak preview
sneak thief
sneakbox
sneaker
sneakers
sneaking
sneaky
sneck
sneer
sneeze
sneeze at
snick
snicker
snide
sniff
sniff at
sniff out
sniffle
sniffy
snifter
snigger
sniggle
snip
snipe
sniper
sniperscope
snippet
snippy
snips
snitch
snivel
snob
snobbery
snobbish
snood
snook
snooker
snoop
snooperscope
snoopy
snooty
snooze
snore
snorkel
snort
snorter
snot
snotty
snout
snout beetle
snow
snow blindness
snow bunting
snow fence
snow goose
snow ice
snow job
snow leopard
snow line
snow plant
snow-blind
snow-clad
snow-in-summer
snow-on-the-mountain
snow-white
snowball
snowberry
snowbird
snowblink
snowbound
snowcap
snowdrift
snowdrop
snowfall
snowfield
snowflake
snowman
snowmobile
snowplow
snowshed
snowshoe
snowslide
snowstorm
snowy
snowy egret
snowy owl
snub
snub-nosed
snuck
snuff
snuffbox
snuffer
snuffle
snuffy
snug
snuggery
snuggle
so
so long
so-and-so
so-called
so-so
soak
soakage
soap
soap bubble
soap powder
soapbark
soapberry
soapbox
soapstone
soapsuds
soapwort
soapy
soar
soaring
soave
sob
sob sister
sob story
sober
sober-minded
sobersided
sobriety
sobriquet
socage
soccer
sociability
sociable
social
social anthropology
social class
social climber
social contract
social democracy
social disease
social insurance
social organization
social psychology
social science
social security
social service
social welfare
social work
social worker
social-minded
socialism
socialist
socialistic
socialite
sociality
socialization
socialize
socialized medicine
societal
society
society verse
socio-
socioeconomic
sociol.
sociolinguistics
sociology
sociometry
sociopath
sock
socket
socket wrench
socle
socman
sod
soda
soda ash
soda biscuit
soda cracker
soda fountain
soda pop
soda water
sodalite
sodality
sodamide
sodden
sodium
sodium bicarbonate
sodium bromide
sodium carbonate
sodium chloride
sodium cyanide
sodium cyclamate
sodium dichromate
sodium fluoride
sodium fluoroacetate
sodium glutamate
sodium hydroxide
sodium lamp
sodium nitrate
sodium perborate
sodium peroxide
sodium phosphate
sodium propionate
sodium silicate
sodium sulfate
sodium thiosulfate
sodium-vapor lamp
sodomite
sodomy
soever
sofa
sofa bed
sofar
soffit
soft
soft chancre
soft clam
soft coal
soft drink
soft focus
soft goods
soft landing
soft palate
soft paste
soft pedal
soft rot
soft sell
soft shoulder
soft soap
soft spot
soft touch
soft wheat
soft-boiled
soft-cover
soft-finned
soft-pedal
soft-shell clam
soft-shell crab
soft-shelled turtle
soft-shoe
soft-spoken
softa
softball
soften
soften up
softener
softhearted
software
softwood
softy
soggy
soi-disant
soil
soil bank
soil conservation
soil pipe
soilage
soilure
soiree
sojourn
soke
sol
sol-fa
sol.
sola
solace
solan
solanaceous
solander
solano
solanum
solar
solar apex
solar battery
solar constant
solar day
solar eclipse
solar flare
solar month
solar plexus
solar system
solar wind
solar year
solarism
solarium
solarize
solatium
sold
solder
soldering iron
soldier
soldier of fortune
soldierly
soldiery
soldo
sole
solecism
solely
solemn
solemnity
solemnize
solenoid
solfatara
solfeggio
sollerino
solicit
solicitor
solicitor general
solicitous
solicitude
solid
solid angle
solid fuel
solid geometry
solid-state
solid-state physics
solidago
solidarity
solidary
solidify
solidus
solfidian
solfuclion
soloquize
soliloquy
solipsism
solitaire
solitary
solitary confinement
solitude
solleret
solmization
solo
solo whist
soloist
solstice
solubility
solubilize
soluble
soluble glass
solus
solute
solution
solvable
solve
solvency
solvent
solvolysis
soma
somatic
somatic cell
somatist
somato-
somatology
somatoplasm
somatotype
somber
sombrero
sombre
some
somebody
someday
somehow
someone
someplace
somersault
somerset
something
sometime
sometimes
someway
somewhat
somewhere
somewise
somite
sommelier
somnambulate
somnambulation
somnambulism
somnificient
somniferous
somniloquy
somnolent
son
son of a bitch
son-in-law
sonant
sonar
sonata
sonata form
sonatina
sonde
sone
song
song and dance
song cycle
song form
song sparrow
song thrush
songbird
songful
songster
songstress
songwriter
sonic
sonic barrier
sonic boom
sonic depth finder
sonic mine
sonics
soniferous
sonnet
sonnet sequence
sonneteer
sonny
sonobuoy
sonometer
sonorant
sonority
sonorous
soon
sooner
soot
sooth
soothe
soothfast
soothsay
soothsayer
sooty
sop
sophism
sophist
sophister
sophistic
sophisticate
sophisticated
sophistication
sophistry
sophomore
sophrosyne
sopor
soporific
sopping
sopy
soprano
soprano clef
sora
sorb
sorbil
sorbose
sorcerer
sorcery
sordid
sordino
sore
sore throat
soredium
sorehead
sorely
sorghum
sorgo
sori
soricine
sorites
sorn
sororate
sororicide
sorority
sorosis
sorption
sorrel
sorrel tree
sorrow
sorry
sort
sort out
sortie
sortilege
sortition
sorus
sostenuto
sostenuto pedal
sot
soteriology
sotted
sottish
sotto voce
sou
sou'wester
souari nut
soubise
soubrette
soubriquet
souffle
sough
sought
sought-after
soul
soul mate
soul-searching
soulful
soulless
south by west
south-southeast
south-southwest
southbound
southeast
southeast by east
southeast by south
southeaster
southeasterly
southeastward
southeastwardly
southeastwards
souther
southerly
southern
southern lights
southernly
southernmost
southing
southland
southpaw
southward
southwards
southwest
southwest by south
southwest by west
southwester
southwesterly
southwestward
southwestwardly
southwestwards
souvenir
sovereign
sovereignty
soviet
sovran
sow
sow bug
sow thistle
sowens
sox
soy
soy sauce
soya bean
soybean
soybean oil
sp.
sp. ht.
spa
space
space capsule
space flight
space heater
space lattice
space medicine
space probe
space station
space suit
space writer
space-time
spaceband
spacecraft
spaced out
spaceless
spaceman
spaceport
spaceship
spacesuit
spacial
spacing
spacious
spade
spadefish
spadework
spadiceous
spadix
spae
spaetzle
spaghetti
spagyric
spahi
spake
spall
spallation
span
span loading
span-new
spancel
spandex
spandrel
spang
spangle
spaniel
spank
spanker
spanking
speak out
speak to
speak up
speakeasy
speaker
speaking
speaking trumpet
speaking tube
spear
spear grass
spear gun
spear side
spearhead
spearman
spearmint
spearwort
spec
spec.
special
special case
special committee
special court-martial
special delivery
special handling
special jury
special partner
special pleading
special privilege
special theory of relativity
specialism
specialist
specialistic
speciality
specialize
specialty
speciation
specie
species
specific
specific gravity
specific impulse
specific resistance
specific volume
specification
specify
specimen
speciosity
specious
speck
speckle
speckled trout
specs
spectacle
spectacled
spectacles
spectacular
spectator
spectatress
specter
spectra
spectral
spectre
spectrochemistry
spectrogram
spectrograph
spectroheliograph
spectrohelioscope
spectrometer
spectrophotometer
spectroradiometer
spectroscope
spectroscopy
spectrum
spectrum analysis
specular
speculate
speculation
speculative
speculator
speculum
speculum metal
sped
speech
speech community
speech island
speech organ
speechless
speechmaker
speechmaking
speed
speed demon
speed limit
speed up
speedball
speedboat
speedometer
spermidine
spermine
spermiogenesis
spermogonium
spermophile
spermophyte
spermous
sperrylite
spessartite
spew
sphacelus
sphagnum
sphalerite
sphene
sphenic
sphenogram
sphenoid
sphere
sphere of influence
spherical
spherical aberration
spherical angle
spherical coordinates
spherical geometry
spherical polygon
spherical trigonometry
sphericity
spherics
spheroïdal
spheroidicity
spherule
spherulite
sphery
sphincter
sphincter
sphingosine
sphinx
sphinx moth
sphygmic
sphygmo-
sphygmograph
sphygmoid
sphygmomanometer
spic
spica
spicate
spiccato
spice
carละ
carberry
carbush
carick-and-span
cariculate
caricule
cariculum
caricy
carider
carider crab
carider monkey
carider phaeton
cariderwort
caridery
carigleisen
caril
caier
caiering
caierly
carig
cairc
cairc heel
cairc lavender
caricent
caircendar
caricy
carile
cair
cair
cair over
cairillage
cairway
cair
cair
cair out
cair-dry
cair-off
cairach
cairal
cairal canal
cairal column
cairal cord
cairde
cairdle tree
cairdlelegs
cairdling
cairdly
cairdrift
spine
spinel
spinel ruby
spineless
spinescent
spinet
spiniferous
spinifex
spinnaker
spinner
spinneret
spinney
spinning
spinning jenny
spinning wheel
spinode
spinose
spinous
spinster
spinthariscope
spinule
spiny
spiny anteater
spiny lobster
spiracle
spiraea
spiral
spiral galaxy
spiral staircase
spirant
spire
spirelet
spireme
spirillum
spirit
spirit level
spirit rapping
spirit writing
spirited
spiritism
spiritless
spiritoso
spirits of turpentine
spirits of wine
spiritual
spiritualism
spiritualist
spirituality
spiritualize
spirituality
spirituel
spirituous
spiritus asper
spirketing
spiro-
spirochaetosis
spirochete
spirograph
spirogyra
spiroid
spirometer
spirt
spirula
spiry
spit
spit and polish
spit curl
spital
spitball
spite
spiteful
spitre
spitter
spittle
spittle insect
spittoon
spitz
spiv
splanchnic
splanchnology
splash
splashboard
splashdown
splasher
splashy
splat
splatter
splay
splayfoot
spleen
spleenful
spleenwort
spleeny
splendent
splendid
splendidiferous
splendor
spleenectomy
splenetic
splenic
splenitis
splenius
splenomegaly
splice
spline
splint
splinter
splinter group
split
split decision
split personality
split second
split shift
split ticket
split up
split-level
splitting
splore
splotch
splurge
splutter
spodumene
spoil
spoilage
spoiler
spoilfive
spoils
spoils system
spoilsman
spoilsport
spoil
spoke
spoken
spokeshave
spokesman
spokeswoman
spoliate
spoliation
spondaic
spondee
spondylitis
sponge
sponge bag
sponge bath
sponge cake
sponge cloth
sponger
spongion
sponging house
spongioblast
spongy
sponson
sponsor
spontaneity
spontaneous
spontaneous combustion
spontaneous generation
spontoon
spoon
spoofery
spook
spooky
spool
spoon
spoon-feed
spoonbill
spoondrift
spoonerism
spoonful
spoonful
spoony
spoor
sporadic
sporangium
spore
sporocarp
sporocyst
sporocyte
sporogenesis
sporogonium
sporogony
sporophore
sporophyll
sporophyte
sporozoite
sporran
sport
sport shirt
sporting
sporting chance
sporting house
sportive
sports
sports car
sports jacket
sportscast
sportsman
sportmanship
sportswear
sportswoman
sporty
sporulate
sporule
spot
spot announcement
spot check
spot-weld
spotless
spotlight
spotted
spotted crake
spotted fever
spotter
spotty
spousal
spouse
spout
spp.
spraddle
sprag
sprain
sprang
sprat
sprawl
spray
spray gun
spread
spread eagle
spread-eagle
spreader
spree
sprig
sprightly
spring
spring balance
spring chicken
spring fever
spring line
spring tide
spring-clean
springboard
square shooter
square-rigged
square-rigger
squarely
squared
squash
squash bug
squash racquets
squashy
squat
squatness
squatter
squatter sovereignty
squaw
squawk
squeak
squeaky
squeal
squeamish
squeegee
squeeze
squelch
squelch
squeleque
squib
squid
squiffy
squiggle
squirgee
squill
squinch
squint
squint-eyed
squinty
squire
squirearchy
squireen
squirm
squirmy
squirrel
squirrel cage
squirrel-tail grass
squirt
squirt gun
squirtling cucumber
squish
squishy
sri
sruti
ss.
st.
stab
stabile
stability
stabilize
stabilizer
stable
stable fly
stableboy
stableman
stablish
stacc.
staccato
stack
stacked
stacte
stadholder
stadia
stadiometer
stadium
stadholder
staff
staff college
staff of life
staff officer
staff sergeant
staffer
staffman
stag
stag beetle
stage
stage business
stage direction
stage director
stage door
stage fright
stage left
stage manager
stage right
stage screw
stage whisper
stage-manage
stage-struck
stagecoach
stagecraft
stagehand
stagey
staggard
stagger
staggered
staghound
staging
staging area
stagnant
stagnate
stagy
staid
stain
stained glass
stainless
stainless steel
stair
stair rod
staircase
stairhead
stairs
stairway
stairwell
stake
stake race
stakeout
stalactite
stalag
stalagmite
stale
stalemate
stalk
stalking-horse
stalkey
stall
stall-feed
stalling angle
stallion
stalwart
stamen
stamin
stamina
staminody
stammel
stammer
stamp
stamp mill
stamp out
stampede
stamping ground
stance
stanch
stanchion
stand
stand by
stand down
stand for
stand oil
stand on
stand out
stand over
stand pat
stand up
stand-in
stand-up
standard
standard cost
standard deviation
standard gauge
standard of living
standard time
standard-bearer
standardize
standby
standee
standfast
standing
standing army
standing broad jump
standing committee
standing lug
standing order
standing rigging
standing wave
standoff
standoffish
standpipe
standpoint
standstill
stane
stang
stanhope
stank
stannary
stannic
stannite
stannum
stanza
stapes
staphylo-
staphylococcus
staphyloplasty
staphyloorrhaphy
staple
stapler
star
star anise
star cloud
star drill
star grass
star sapphire
star shell
star-crossed
star-nosed mole
star-of-Bethlehem
star-shaped
star-spangled
star-studded
starboard
starch
starchy
stardom
stare
starfish
starflower
stark
stark-naked
starlet
starlight
starlike
starling
starred
starry
starry-eyed
start
start in
start off
start out
start up
starter
starting block
starting gate
startle
startling
starvation
starve
starveling
starwort
stash
stasis
stat.
statampere
statant
state
state bank
state capitalism
state medicine
state of war
state prison
state socialism
state trooper
state's evidence
statecraft
stated
statehood
stateless
stately
statement
stater
stateroom
states' rights
statesman
statesmanship
statfarad
static
static electricity
static tube
statics
station
station agent
station break
station house
station wagon
stationary
stationary engine
stationary wave
stationer
stationery
stationmaster
statism
statist
statistical
statistical mechanics
statistician
steam
steam bath
steam engine
steam fitter
steam heat
steam heater
steam organ
steam point
steam room
steam shovel
steam turbine
steam up
steam whistle
steam-heated
steamboat
steamer
steamer chair
steamer rug
steamroller
steamship
steamtight
steamy
steapsin
stearic
stearic acid
stearin
stearoptene
steatite
steato-
steatopygia
stedfast
steed
steel
steel band
steel blue
steel engraving
steel guitar
steel mill
steel wool
steelhead
steelmaker
steels
steelwork
steelworker
steelworks
steelyard
steenbok
steep
steepen
steeple
steeplebush
steeplechase
steeplejack
steer
steerage
steerageway
steering committee
steering gear
steering wheel
steersman
steeve
stegodon
stegosaur
stein
steinbok
stela
stele
stellar
stellarator
stellate
stelliform
stellular
stem
stem turn
stemma
stemson
stemware
stench
stench bomb
stencil
steno-
stenograph
stenographer
stenography
stenopetalous
stenophagous
stenophyllous
stenosis
stenotype
stenotypy
stentor
stentorian
step
step down
step in
step rocket
step up
step-
step-up
stepbrother
stepchild
stepdame
stepdaughter
stepfather
stephanotis
stepladder
stepmother
stepparent
steppe
stepper
stepsister
stepson
ster.
steradian
stercoraceous
stercoriculous
sterculiateous
stere
stereo
stereo-
stereobate
stereochemistry
stereochrome
stereochromy
stereogram
stereograph
stereography
stereoisomer
stereoisomerism
stereometry
stereophonic
stereophotography
stereopticon
stereoscope
stereoscopic
stereoscopy
stereotaxis
stereotomy
stereotropism
stereotype
stereotyped
stereotypy
steric
sterigma
stickleback
stickler
stickpin
stickseed
sticktight
stickup
stickweed
sticky
sticky wicket
stickybeak
stiff
stiff-necked
stiffen
stile
stifling
stigma
stigmasterol
stigmatic
stigmatism
stigmatize
stilbestrol
stilbite
stile
stiletto
still
still hunt
still life
still water
still-hunt
stillage
stillbirth
stillborn
stilliform
stillness
stilly
stilt
stilted
stimulant
stimulate
stimulative
stimulus
sting
stingaree
stinger
stinging hair
stinging nettle
stingo
stingy
stink
stink ball
stink bomb
stinker
stinkhorn
stinking
stinking smut
stinko
stinkpot
stinkstone
stinkweed
stinkwood
stint
stipe
stipel
stipend
stipendiary
stipitate
stipple
stipulate
stipulation
stipule
stir
stir up
stirk
stirpiculture
stirps
stirring
stirrup
stirrup cup
stirrup pump
stitch
stitching
stithy
stiver
stoa
stoat
stob
stochastic
stock
stock car
stock certificate
stock clerk
stock company
stock dividend
stock dove
stock exchange
stock farm
stock horse
stock in trade
stock market
stock option
stock raising
stock saddle
stock-still
stockade
stockbreeder
stockbroker
stockholder
stockinet
stocking
stocking cap
stockish
stockist
stockjobber
stockman
stockpile
stockroom
stocks
stocktaking
stocky
stockyard
stodge
stodgy
stogy
stoic
stoical
stoichiometric
stoichiometry
stoicism
stoke
stoke up
stokehold
stokehole
stoker
stole
stolen
stolid
stolon
stoma
stomach
stomach pump
stomach worm
stomachache
stomacher
stomachic
stomatal
stomatic
stomatitis
stomatolog-
stomodaeum
stone
stone curlew
stone fruit
stone parsley
stone proof
stone's throw
stone-blind
stone-broke
stone-dead
stone-deaf
stonechat
stonecrop
stonecutter
stoned
stoned
stonemason
stonemyle
stonewall
stoneware
stonework
stonewort
stony
stony coral
stony-broke
stony-hearted
stood
stooge
stook
stool
stool pigeon
stoop
stop
stop bath
stop order
stop payment
stop work
stop-off
stopcock
stope
stopgap
stoplight
stopover
stoppage
stopped
stopped diapason
stopper
stopping
stopple
stopwatch
storage
storage battery
storax
store
store-bought
storehouse
storekeeper
storeroom
stores
storey
storied
storiette
stork
storm
storm center
storm cloud
storm cone
storm door
storm petrel
storm troops
storm warning
storm window
stormproof
stormy
stormy petrel
story
story line
storybook
storyteller
storytelling
stoss
stotinka
stound
stoup
stour
stoush
stout
stouthearted
stove
stovepipe
stovepipe hat
strangulate
strangulation
strangury
strap
straphanger
strapless
strappado
strapped
strapper
strapping
strata
stratagem
strategic
strategist
strategy
strath
strathspey
strati-
stratificate
stratification
stratificational grammar
stratiform
stratify
stratigraphy
stratocracy
stratocumulus
stratopause
stratosphere
stratovision
stratum
stratus
straw
straw man
straw vote
straw wine
strawberry
strawberry blonde
strawberry bush
strawberry mark
strawberry tomato
strawberry tree
strawboard
strawflower
strawworm
stray
streaky
stream
stream of consciousness
streamer
streaming
streamlet
streamline
streamlined
streamliner
streamway
streamy
street
street Arab
street certificate
street piano
streetcar
streetlight
streetwalker
strength
strengthen
strenuous
strep
streptinous
streptococcus
streptokinase
streptomycin
streptothricin
stress
stressful
stretch
stretcher
stretcher-bearer
stretchy
stretto
streusel
strew
stria
striate
striated
striation
strick
stricken
strickle
strict
striction
strictly
structure
stride
strident
stridor
stridulate
stridulous
strife
strigil
strigose
strike
strike off
strike out
strike pay
strike up
strike zone
strikebound
strikebreaker
striker
striking
string
string along
string band
string bass
string bean
string line
string orchestra
string quartet
string tie
stringboard
stringed
stringed instrument
stringency
stringendo
stringent
stringer
stringhalt
stringpiece
stringy
strip
strip cropping
strip lighting
strip mining
strip poker
stripe
striped
striped bass
striper
stripling
stripper
striptease
stripteaser
stripy
strive
strobe
strobla
strobilaceous
strobile
stroboscope
strobotron
strode
stroganoff
stroke
stroke play
stroll
stroller
strong
strong breeze
strong drink
strong gale
strong interaction
strong man
strong point
strong waters
strong-arm
strong-minded
strong-willed
strongbox
stronghold
strongroom
strontia
strontian
strontianite
strontium
strontium 90
strop
strophanthin
strophanthus
strophe
strophic
stroud
strove
strow
stroy
struck
struck measure
structural
structural formula
structural geology
structural linguistics
structural psychology
structural steel
structuralism
structure
strudel
struggle
struggle for existence
strum
struma
strumpet
strung
strung out
strut
struthious
strutting
strychnic
strychnine
strychninism
stub
stub nail
stub tenon
stubbed
stubble
stubborn
stubby
stucco
stuccowork
stuck
stuck-up
stud
stud poker
studbook
studding
studdingsail
student
student teacher
studhorse
studied
studio
studio couch
studious
study
stuff
stuff gown
stuffed
stuffed shirt
stuffing
stuffing box
stuffy
styptic
styracaceous
styrax
styrene
suable
suasion
suave
suavity
sub
sub judice
sub rosa
sub-
subacid
subacute
subadar
subalpine
subaltem
subalternate
subantarctic
subaquatic
subaqueous
subarctic
subarid
subassemblage
subastral
subatomic
subaudition
subauricular
subaxillary
subbase
subbasement
subcartilaginous
subcelestial
subchaser
subchloride
subclass
subclavian
subclavius
subclimax
subclinical
subcommittee
subconscious
subcontinent
subcontract
subcontraoctave
subcortex
subcritical
subcutaneous
subdeacon
subdebutante
subdelirium
subdiaconate
subdivide
subdivision
subdominant
subdual
subduct
subdue
subdued
subedit
subeditor
subequatorial
suberic acid
suberin
subfamily
subfloor
subfusc
subgenus
subglacial
subgroup
subhead
subheading
subhuman
subinfeudate
subinfeudation
subirrigate
subito
subj.
subjacent
subject
subject matter
subjectify
subjection
subjective
subjective idealism
subjectivism
subjoin
subjoinder
subjugate
subjunction
subjunctive
subkingdom
sublapsarianism
sublease
sublet
sublieutenant
sublimate
sublimation
sublime
subliminal
sublimity
sublingual
sublittoral
sublunar
sublunary
submachine gun
submarginal
submarine
submarine chaser
submariner
submaxillary
submediant
submerge
submerged
submergible
submerse
submersed
submersible
submicroscopic
subminiature
subminiature camera
subminiaturize
submit
submission
submissive
submit
submultiple
subnormal
suboceanic
suborbital
suborder
subordinary
subordinate
subordinate clause
subordinating conjunction
suborn
suboxide
subphylum
subplot
subpoena
subprincipal
subreption
subrogate
subrogation
subroutine
subscapular
subscribe
subscript
subscription
subscription television
subsellium
subsequence
subsequent
subserve
subservience
subservient
subset
subshrub
subside
subsidence
subsidiary
subsidiary coin
subsidiary company
subsidize
subsidy
subsist
subsistence
subsistence allowance
subsistence farming
subsistent
subsocial
subsoil
subsoil plow
subsolar
subsonic
subspecies
substage
substance
substandard
substantial
substantialism
substantialize
substantiate
substantive
substation
substituent
substitute
substitution
substitutive
substrate
substratosphere
substratum
substructure
subsume
subsumption
subtangent
subteen
subtemperate
subtenant
subtend
subterfuge
subternatural
subterrane
subterranean
subtile
subtilize
subtitle
subtle
subtlely
subtonic
subtorrid
subtotal
subtract
subtraction
subtractive
subtractive process
subtrahend
subtreasury
subtropical
subtropics
subtype
subulate
suburb
suburban
suburbanite
suburbanize
suburbia
suburbicarian
subvene
subvention
subversion
subversive
subvert
subway
subzero
succeedaneum
succeed
succentor
success
successful
suitor
sukiyaki
sukkah
sulcate
sulcus
sulf-
sulfa
sulfaguanidine
sulfamerazine
sulfanilamide
sulfapyrazine
sulfapyridine
sulfate
sulfate paper
sulfate pulp
sulfathiazole
sulfatize
sulfide
sulfite
sulfonate
sulfonation
sulfonmethane
sulfur
sulfur dioxide
sulfuric
sulfuric acid
sulfurous
sulk
sulky
sullage
sullen
sully
sulph-
sulphanilamide
sulphate
sulphathiazole
sulphide
sulphonamide
sulphonate
sulphone
sulphur
sulphur-bottom
sulphurate
sulphuric
sulphurize
sulphurous
sulphuryl
sultan
sultana
sultanate
sultry
sum
sum and substance
sum total
sum up
sumac
sumach
summa
summa cum laude
summand
summarize
summary
summary court-martial
summation
summer
summer school
summer solstice
summer squash
summerhouse
summerly
summersault
summertime
summertree
summerwood
summit
summitry
summon
summons
summum bonum
sumo
sum
sumpter
sumption
sumptuary
sumptuary law
sumptuous
sun
sun bath
sun dance
sun deck
sun lamp
sun-dried
sun-god
sunnaked
sunbathe
sunbeam
sunbonnet
sunbow
sunbreak
sunburn
sunburst
sundae
sunder
sunderance
sundew
sundial
sundog
sundown
sundowner
sundries
sundry
sunfast
sunfish
sunflower
sung
sunglass
sunglasses
sunk
sunk fence
unken
sunken garden
sunless
sunlight
sunlit
sunn
sunny
sunny side
sunny-side up
sunproof
sunrise
sunrise watch
sunroom
sunset
sunshade
sunshine
sunspot
sunstone
sunstroke
suntan
sunup
sunward
sunwise
suo loco
sup
super
super-
superable
superabound
superabundant
superadd
superaltar
superannuate
superannuated
superannuation
superb
superbomb
supercargo
supercharge
supercharger
supercilious
superclass
supercolumnar
superconductivity
supercool
superdominant
superdreadnought
superego
superelevation
supereminent
supererogate
supererogation
supererogatory
superfamily
superfecundation
superfetation
superficial
superficies
superfine
superfluid
superfluiy
superfluous
superfuse
supergalaxy
superheat
superheterodyne
superhigh frequency
superhighway
superhuman
superimpose
superimposed
superincumbent
superinduce
superintend
superintendency
superintendent
superior
superior court
superior planet
superiority
superiority complex
superjacent
superl.
superlative
superload
superman
supermarket
supermundane
supernal
supernatant
supernational
supernatural
supernaturalism
supernormal
supernova
supernumerary
superorder
superordinate
superorganic
superpatriot
superphosphate
superphysical
superpose
superposition
superpower
 supersaturate
 supersaturated
 superscribe
 superscription
 supersede
 supersedure
 supersensible
 supersensitive
 supersensual
 supersession
 supersonic
 supersonics
 superstar
 superstition
 superstitious
 superstratum
suppression
suppressive
suppressor grid
suppurate
suppuration
suppurative
supra
supra-
supralapsarian
supraliminal
supramolecular
supranational
supranatural
supraorbital
suprarenal
suprarenal gland
suprasegmental
supremacist
supremacy
supreme
supreme commander
sur-
surah
sural
surbase
surbased
surcase
surcharge
surcingle
surculose
surd
sure
sure thing
sure-footed
surefire
surely
surety
surf
surface
surface mail
surface noise
surface plate
surface structure
surface tension
surface-to-air
surface-to-surface
surfactant
surfbird
surfboard
surfboarding
surfboat
surfeit
surfing
surperch
surg.
surge
surgeon
surgeon general
surgeon's knot
surgeonfish
surgery
surgical
surgical needle
sury
suricate
surly
surmise
surmount
surmullet
surname
surpass
surpassing
surplice
surplus
surplusage
surprint
surprisal
surprise
surprise party
surprising
surra
surrealism
surrebuttal
surrebutter
surrejoinder
surrender
surreptitious
surrey
surrogate
surround
surrounding
surroundings
sursum corda
surtax
surtout
surv.
surveillance
survey
surveying
surveyor
surveyor's chain
surveyor's compass
surveyor's level
surveyor's measure
survival
survive
survivor
susceptibility
susceptible
susceptive
sushi
suslik
suspect
suspend
suspended animation
suspender
suspender belt
suspense
suspense account
suspension
suspension bridge
suspensive
suspensoid
suspensor
sensory
suspicion
suspicious
suspiration
suspire
sustain
sustainer
sustaining program
sustenance
sustentacular
sustentation
susurrant
susurrate
susurration
susurrous
susurrus
sutler
sutra
suttee
suture
suzerain
suzerainty
svelte
swab
swabber
swacket
swaddle
swaddling clothes
swag
swage
swage block
swagger
swagger stick
swaggering
swaggerman
swagsman
swain
swale
swallow
swallow dive
swallow-tailed
swallow-tailed coat
swallowtail
swam
swami
swamp
swamp buggy
swamp cypress
swamp fever
swamper
swampland
swampy
swan
swan dive
swan maiden
swan song
swan's-down
swanherd
swank
swanky
swansdown
swanskin
swap
swaraj
sward
swarm
swarm spore
swart
swartha
carthy
swash
swash letter
swashbuckler
swashbuckling
swastika
swat
swatch
swath
swathe
swats
swatter
sway
sway-back
swear
swear in
swear off
swearword
sweat
sweat gland
sweat out
sweat pants
sweat shirt
sweat suit
sweatband
sweatbox
sweated
sweater
sweater girl
sweatshop
sweaty
swede
sweeny
sweep
sweepback
sweeper
sweeping
sweepings
sweeps
sweepstake
sweepstakes
sweet
sweet alyssum
sweet cherry
sweet cicely
sweet cider
sweet corn
sweet gale
sweet gum
sweet marjoram
sweet oil
sweet pea
sweet potato
sweet shop
sweet tooth
sweet william
sweet woodruff
sweet-and-sour
sweet-scented
sweet-talk
sweet-tempered
sweetbread
sweetbrier
sweeten
sweetener
sweetening
sweetheart
sweetie
sweeting
sweetmeat
sweetness and light
sweetsop
swell
swelled head
swellfish
swellhead
swelling
swelter
sweltering
swept
sweptback
sweptwing
swerve
sweven
swift
swifter
swiftlet
swig
swill
swim
swimming
swimming bath
swimming hole
swimming pool
swimmingly
swindle
swindle sheet
swine
swineherd
swing
swing bridge
swing door
swing shift
swinge
swingeing
swinger
swingle
swinletree
swinish
swink
swipe
swipple
swirl
swirly
swish
switch
switch off
switch on
switchback
switchblade
switchboard
switcheroo
switchman
swivel
swivel chair
swivel plow
swivet
swizzle
swizzle stick
swob
swollen
swoon
swoop
swoosh
swop
sword
sword bayonet
sword belt
sword cane
sword dance
sword grass
sword knot
sword lily
swordbill
swordcraft
swordfish
swordplay
swordsmen
swordtail
swore
sworn
swot
swound
swum
swung
sybarite
sycamine
sycamore
syce
sycee
syconium
sycophancy
sycophant
sycosis
syllabary
syllabi
syllabic
syllabify
syllabism
syllabize
syllable
syllabogram
syllabub
syllabus
syllepsis
syllogism
syllogistic
syllogize
sylph
sylphid
sylvan
sylvanite
sylviculture
sylvite
sym-
sym.
symbiosis
symbol
symbolic
symbolic logic
symbolical books
symbolics
symbolism
symbolist
symbolize
symbology
symmetrical
symmetrize
symmetry
sympathetic
sympathetic ink
sympathetic magic
sympathin
sympathize
sympathizer
sympathy
sympathy strike
sympetalous
symphonia
symphonic
symphonic poem
symphonious
symphonist
symphonize
symphony
symphony orchestra
symphysis
symploce
symposiac
symposiarch
symposium
symptom
symptomatic
symptomatology
synaeresis
synaesthesia
synagogue
synapse
synapsis
sync
syncarpous
synchro
synchro-
synchrocyclotron
synchroflash
synchromesh
synchronous
synchronism
synchronize
synchronous
synchronous converter
synchronous motor
synchroscope
synchrotron
synclastic
syncopate
syncopated
syncopation
syncope
syncretism
syncretize
syncrisis
syncytium
syn.
syndactyl
syndesis
syndesmosis
syndetic
syndic
syndicalism
syndicate
syndrome
syne
synecdoche
synecious
synecology
synectics
syneresis
synergetic
synergism
synergist
synergistic
synergy
synesthesia
syngamy
synod
synodic
synodic month
synonym
synonymize
synonymous
synonymy
synop.
synopsis
synopsize
synoptic
synovia
synovitis
synsepalous
syntactics
syntax
synthesis
synthesize
synthetic
synthetic detergent
synthetic rubber
syntonic
sypher
syphilis
syphilology
syphon
syringa
syringe
syringomyelia
syrinx
syrup
syrupy
syst.
systaltic
system
systematic
systematics
systematism
systematist
systematize
systematology
systemic
systemize
systems analysis
systems design
systole
syzygy
t
t.
t.b.
t.g.
ta
ta'en	tab	tab.
tabanid	tabard	tabaret	tabby	tabernacle
tabes
tabes dorsalis
tabescent
tablature
table
table d'hote
table linen
table talk
table tennis
table wine
 tableau
 tableau vivant
 tablecloth
 tableland
 tablespoon
 tablet
 tableware
 tabling
 tabloid
 taboo
 tabor
 taboret
 tabret
 tabu
 tabula rasa
 tabular
 tabulate
 tabulator
 tace
 tacet
 tache
 tacheometer
 tachina fly
 tachistoscope
 tacho-
tachograph
 tachometer
 tachycardia
 tachygraphy
 tachylyte
 tachymetry
 tachyphylaxis
 tacit
 taciturn
 taciturnity
 tack
 tack hammer
 tacket
tailgate
tailing
taille
taillight
tailor
tailorbird
tailored
tailpiece
tailpipe
tailrace	tails
tailspin
tailstock
tailwind	tain	taint	taintless	taipan	take	take aback	take after	take apart	take back	take down	take for	take in	take off	take on	take out	take over	take to	take up	take-home pay	taken	takeoff	takeover	taker	taking	talapoin	talaria	talc	talcum powder	tale	talebearer	talent	talented	taler
tales
talesman
taligrade
talion
taliped
talipes
talisman	talk
talk about
talk back
talk down
talk into
talkathon
talkative
talkfest
talkie
talking book
talking picture
talking-to	talky
tall
tall oil
tallage
tallboy	tallith	tallow
tallowy	tally
tally sheet
tallyho	tallyman	talon	taluk	talus	tam	tam-o'-shanter
tam-tam	tamable	tama
tamandua	tamarack	tamarau	tamarin	tamarind	tamarisk
tamasha	tambac	tambour
tamboura
tambourin
tambourine
tame
tameless	
tamis
tammy	
tamp
tamper
tampon
tan
tana
tanager	
tanbark	
tandem
tandem bicycle
tang
tangolo	
tangency
tangent	
tangential	
tangerine	
tangible	
tangle	
tangleberry	
tangled
tango
tangram	
tangy	
tanh	
tank	
tank car	
tank farming	
tank top	
tank up	
tanka	
tankage	
tankard	
tanked	
tanker	
tannage	
tannate	
tanner	
tannery	
tannic	
tannic acid	
tannin	
tanning
tansy
tant mieux
tant pis
tantalate
tantalic
tantalic acid
tantalite
tantalize
tantalizing
tantalous
tantalum
tantamount
tantara
tantivy	anto
tantrum
tap
tap dance
tap water
tap-dance
tape
tape deck
tape grass
tape machine
tape measure
tape recorder
tape recording
tape-record
taper
tapestry
tapetum
tapeworm
taphole
taphouse	apioca
tapir
tapis
tappet
tapping
taproom	taproot
taps
tapster
tar	taradiddle	tarantass	tarantella	tarantula
taraxacum
tarboosh
tardigrade
tardy
tare
targe
target
target date
tariff
tarlatan
tarn
tarnation
tarnish
taro
tarp
tarpan
tarpaulin
tarpon	arradiddle
tarragon	arriance	arry	arsal	arsia	arsier	arsometatarsus	arsus	art	artan	artar	artar emetic	artar sauce	artar steak	artaric	artarous	artlet	artrate	artrazine
tarweed	asimeter	ask	task force	taskmaster	taskwork	ass	asse	asselt	assets
taste
taste bud
tasteful
tasteless
taster
tasty
tat
tater
tatouay
tatter
tatterdemalion
tattered
tatting
tattle
tattler
tattletale
tattoo
tatty
tau
tau cross
taught
taunt
taupe
taurine
tauro-
tauromachy
taut
tauten
tauto-
tautog
tautologism
tautologize
tautology
tautomer
tautomerism
tautonym
tavern
taverner
taw
tawdry
tawny
tax
tax evasion
tax rate
tax return
tax-deductible
tax-exempt	taxable
taxaceous
taxation
taxeme
taxi
taxicab
taxidermy
taxiplane	axis	axiway
taxonomy	taxpayer
tayra
tazza
tbs.
te igitur	te-hee
tea
tea bag
tea ball
tea break
tea dance
tea garden
tea gown
tea party
tea rose
tea service
tea table
tea towel
tea tree
tea wagon
teach
teach-in
teacher
teaching
teaching aid
teaching elder
teaching fellow
tecup
teahouse
tek	teakettle
tekwood
tel	team
team spirit
teammate
teamster
teamwork
teapot
tear
tear down
tear gas
tear into
tear off
tear-jerker
tearful
tearing
tearoom
tears
teary
tease
teasel
teaser
teaspoon
teat
teatime
teazel
techn.
technetium
technic
technical
technical knockout
technical sergeant
technicality
technician
technics
technique
techno-
technocracy
technology
techy
tectonic
tectonics
tectrix
ted
tedder
teddy bear
tedious
tedium
tee
team
teen
teeing
teen
teen-age
teenager
teeens
teeny
teeny-weeny
teenybopper
teepee
teeeter
teeeterboard
teeth
teethe
teething ring
teeetotal
teeetotaler
teeetotalism
teeetotum
tefillin
tegmen
tegular
tegument
tektite
tel-
telamon
telangiectasis
tele-
telecast
telecommunication
teledu
telefilm
tele.
telega
telegenic
telegyne
telegram
telegraph
telegraph plant
telegraphese
telegraphic
telegraphphone
telegraphy
telekinesis
telemark
telemechanics
telemeter
telemetry
telemotor
telencephalon
teleology
teleost
tellurium
tellurize
telly
telo-
telophase
telpher
telpherage
telson
temblor
temerity
temp.
temper
tempera
temperament
temperamental
temperance
temperate
temperate zone
temperature
temperature gradient
temperature-humidity index
tempered
tempest
tempestuous
tempi
template
temple
templlet
tempo
temporal
temporal bone
temporal lobe
temporary
temporize
tempt
temptation
tempting
temptress
tempura
tempus fugit
ten
ten-
ten-gallon hat
ten-strike
ten.
tenable
tenace
tenacious
tenaculum
tenaille
tenancy
tenant
tenant farmer
tenantry
tench
tend
tendance
tendency
tendentious	
tender
tenderfoot
tenderhearted
tenderize
tenderloin
tendinous
tendon
tendril
tenebrific
tenebrous
tenement
tenesmus
tenet
tenfold
tenia
teniacide
teniafuge
tenne
tennis
tennis ball
tennis elbow
tenno
ten-
tenon
tenor
tenor clef
tenorite
tenorrhaphy
tenotomy
tenpenny
tenpin
tenpins
tenrec			
tense
tensible	
tensile
tensile strength
tensimeter
tensiometer	
tension	
tensity	
tensive	
tensor	
tent	
tent caterpillar	
tent stitch	
tentacle	
tentage	
tentation	
tentative	
tented	
tenter	
tenterhook	
tenth	
tentmaker	
tenuis	
tenuous	
tenure	
tenuto	
teocalli	
teosinte	
teepee	
teepefy	
tephra	
tephrite	
tepid	
tequila	
ter-
ter.
tera-
terat-
teratism	
teratogenic	
teratoid	
teratology	
terbia	
terbium	
terbium metal	
terce	
tercel	
tercentenary	
tercet	
terebene	
terebic acid	
terebinthine
teredo
terefah
terephthalic acid
terete
tergal
tergiversate
tergum
teriyaki
term
term insurance
term paper
term.
termagant
terminable
terminable
terminal
terminal velocity
terminate
termination
terminator
terminology
terminus
terminus a quo
terminus ad quem
termitarium
termite
termless
termor
terms
tern
ternary
ternary form
ternate
ternion
terpene
terpineol
terpsichorean
terr.
terra
terra alba
terra cotta
terra firma
terra incognita
terra sigillata
terra-cotta
terrace
terrain
terrane
terrapin
terraqueous
terrarium
terrazzo
terre-verte
terrene
terrestrial
terrestrial globe
terrestrial telescope
terret
terrible
terribly
terricolous
terrier
terrific
terrify
terrigenous
terrine
territorial
territorial waters
territorialism
territoriality
territorialize
territory
terror
terror-stricken
terrorism
terrorist
terrorize
terry
terse
tertial
tertian
tertiary
tertiary color
tertium quid
tervalent
terza rima
terzetto
tesla
tessellate
tessellated
tessellation
tessera
tessitura
test
test case
test paper
test pattern
test pilot
test tube
testa
testaceous
testament
testamentary
testate
testator
testee
tester
testes
testicle
testify
testimonial
testimony
testis
teston
testosterone
testudinal
testudo
testy
tetanic
tetanize
tetanus
tetany
tetartohedral
tetchy
teth	ether	etherball
tetra
tetra-
tetrabasic
tetabrach
tetabranchiate
tetracaine
tetrachloride
tetrachord
tetracycline	etrad
tetradymite
tetraethyl lead
tetrafluoroethylene
tetragon	tetragonal	tetragram	tetrahedral	tetrahedron
tetralogy
tetrameter
tetramethyldiarsine
tetraploid
tetrapod
tetrapody
tetraplerous
tetrarch
tetraspore
tetrasich
tetrasichous
tetrasyllable
tetrametric
tetralovin

text
text hand
textbook
textile
textual
textual criticism
textualism
textualist
textuary
texture
thalamencephalon
thalamus
thalassic
thalassography
thaler
thalidomide
thallic
thallium
thallophyte
thallus
thalweg
than
thanatopsis
thane
thank
thank-you
thankful
thankless
thanks
thanksgiving
thar
that
thatch
thaumatology
thaumatrope
thaumaturge
thaumaturgy
thaw
the
the-
theaceous
thearchy
theater
theater of operations
theater of war
theater-in-the-round
theatre
theatrical
theatricalize
theatricals
theatrician
theatrics
thebaine
theca
thee
theft
theft insurance
thegn
theine
their
theirs
theism
them
thematic
theme
theme song
themselves
then
thenar
thence
thenceforth
thenceforward
theo-
theocentric
theocracy
theocrasy
theodicy
theodolite
theogony
teol.
teologian
teological
theological virtues
theologize
theologue
theology
theomachy
theomancy
theomania
theomorphemic
theophany
theophylline
theorbo
theorem
theoretical
theoretician
theoretics
theorist
 theorize
theory
theory of games
theosophy
therapeutic
therapeutics
therapist
therapsid
therapy
there
thereabout
thereabouts
thereafter
thereat
thereby
therefor
therefore
therefrom
therein
thereinafter
thereinto
thereof
thereon
thereto
theretofore
thereunder
thereupon
therewith
therewithal
therianthropic
term
thermae
thermaesthesia
thermal
thermal barrier
thermal conductivity
thermal efficiency
thermal spring
thermel
thermic
thermion
thermionic
thermionic current
thermionic emission
thermionic tube
thermionic valve
thermionics
thermistor
thermo-
thermobarograph
thermobarometer
thermochemistry
thermocline
thermocouple
thermodynamic
thermodynamics
thermoelectric
thermoelectric effect
thermoelectricity
thermoelectrometer
thermogenesis
thermograph
thermography
thermolabile
thermoluminescence
thermoluminescent
thermolysis
thermomagnetic
thermometer
thermometry
thermomotor
thermonuclear
thermonuclear bomb
thermonuclear reaction
thermophone
thermopile
thermoplastic
thermoscope
thermosetting
thermosiphon
thermosphere
thermostat
thermostatics
thermotaxis
thermotensile
thermotherapy
theroid
theropod
thesaurus
these
thesis
thespian
theta
thetic
theurgy
thaw
they
they'd
they're
they've
thi-
thiamine
thiazine
thiazole
thick
thick-knee
thick-skinned
thick-witted
thicken
thickening
thicket
thickhead
thickleaf
thickness
thickset
thief
thieve
thievery
thievish
thigh
thighbone
thigmotaxis
thigmotropism
thill
thimble
thimbleful
thimblerig
thimbleweed
thimerosal
thin
thin-skinned
thine
thing
thingumabob
thingumajig
think
think out
think over
think up
thinkable
thinker
thinking
thinner
thinnish
thiocyanic acid
thiol
thionate
thionic
thiosinamine
thiouracil
thiourea
third
third class
third degree
third dimension
third estate
third eyelid
third man
third mate
third party
third person
third rail
third reading
third-degree
third-degree burn
third-rate
thirlage
thirst
thirsty
thirteen
thirteenth
thirtieth
thirty
thirty-eight
thirty-one
thirty-second note
thirty-second rest
thirty-three
thirty-two
thirty-twomo
this
thistle
thistledown
thistly
thither
thitherto
tho
thole
tholos
thong
thoracic
thoracic duct
thoraco-
thoracoplasty
thoracotomy
thorax
thoria
thorianite
thorite
thorium
thorium series
thorn
thorn apple
thorny
thoron
thorough
thorough bass
thoroughbred
thoroughfare
thoroughgoing
thoroughpaced
thoroughwort
thorp
those
thou
though
thought
thought transference
thought-out
thoughtful
thoughtless
thousand
thousandfold
thousandth
thrall
thralldom
trash
trash out
thrasher
thrashing
thrasonical
thrave
thrawn
thread
thread mark
threadbare
threadfin
thready
threap
threat
threaten
three
three R’s
three-color
three-cornered
three-decker
three-dimensional
three-four time
three-gaited
three-legged race
three-master
three-mile limit
three-part time
three-phase
three-piece
three-ply
three-point landing
three-quarter
three-quarter nelson
three-quarter time
three-ring circus
three-square
three-wheeler
threelfold
threepence
threepenny bit
threescore
threesome
thremmatology
threnode
threnody
threonine
thresh
thresh out
thresher
threshing machine
threshold
threw
thrice
thrift
thriftless
thifty
thrill
thriller
thrilling
thrippence
thrips
thrive
throat
throat microphone
throtty
throb
throe
threes
thrombin
thrombo-
thrombocyte
thromboembolism
thrombokinase
thrombophlebitis
thromboplastic
thromboplastin
thrombosis
thrombus
throne
throne room
throng
throstle
throttle
through
through street
through-composed
throughout
throughput
throughway
throve
throw
throw about
throw off
throw out
throw over
throw together
throw up
throwaway
throwback
thrower
throwing stick
thrown
thrum
thrust
thrust bearing
thrust fault
thruster
thruway
thud
thug
thuggee
thuja
thulium
thumb
thumb index
thumbnail
thumbprint
thumbs-down
thumbscrew
thumbstall
thumbtack
thump
thumping
thunder
thunderbolt
thunderclap
thundercloud
thunderhead
thundering
thunderous
thunderpeal
thundershower
thundersquall
thunderstone
thunderstorm
thunderstruck
thundery
thurible
thurifer
thus
thusly
thuya
thwack
thwart
thy
thylacine
thyme
thymelaeaceous
thymic
thymol
thymus
thyratron
thryad
thyroid
tyroid gland
thyroiditis
thyrotoxicosis
thyroxine
thyrse
thysus
thyself
ti
tiara
tibia	ibiotarsus
tic	tic
douloureux
tical
tick
tick fever
tick off
tick trefoil	ick-tack-toe	icker	ticker tape	ticket
ticking	ickle	ickler	ickler coil
ticklish	icktack	icktock
tidal
tidal basin
tidal wave
tigress
tike	
tiki
til
tilbury
tilde
tile
tilefish		
tiliaceous	
tiling
till
tillage
tillandsia
tiller
tilt
tilt hammer
tilth
tiltyard	
timbal
timbale
timber
timber hitch
timber line
timber wolf
timbered
timberhead
timbering
timberland
timberwork
timbre
timbrel
time
time and a half
time and motion study
time ball
time bill
time bomb
time clock
time constant
time deposit
time discount
time draft
time exposure
time immemorial
time loan
time lock
time money
time of day
time sharing
time sheet
time signal
time signature
time study
time zone
time-consuming
time-honored
time-lag
time-lapse photography
time-out
timecard
timekeeper
timeless
timely
timeous
timepiece
timepleaser	imer
timeserver	imetable
timework	timeworn	timid
timing
timocracy
timorous	timothy	timpani

tin
tin can
tin god
tin hat
tin lizzie
tin soldier	
tinamou	
tinamou	
tincal		
tinct		
tinct.

tinctorial
tincture
tinder	
tinderbox	
te
tinea
tineid	
tinfoil
ting
ting-a-ling
tinge
tingle
tingly	thinhorn	tinker	tinkle	tinkling	tinned	tinner	tinnitus
tinky	tinsel	tinsmith	tinstone	tint
tintinnabulation
tintinnabulum
tintometer
tintype	tinware	tinworks
tiny
tip
tip-top
tipcat
tipi	tipper	tippet	tipple	tippler	tipstaff	tipster	tipsy
tipsy cake
tiptoe
tiptop	tirade	tire	tired	tireless
tiresome	tireswoman	tiring room	tiro	tisane	tissue
tissue culture
tissue paper
tit
tit for tat
titan
titanate
titania
titanic
titanic acid
titanite
titanium
titanium dioxide
titanium white
titanothere
titbit
titer
tifer
tithable
tithe
tithing
titi
titillate
titivate
titlark
title
title deed
title insurance
title page
title role	itled
titleholder	itmapouse	itrant	итrate	itration	itre	itter	ittivate	ittle	ittle-tattle	ittup	itty	itular	itulary	itizzy	itmesis
to
to and fro
to wit
to-and-fro
to-be
to-do
to-name
toad
toad-in-the-hole
toad eater
toadfish
toadflax
toadstool
toady
toast
toaster
toastmaster
tobacco
tobacconist
toboggan
toccata	
tocology
tocopherol	
tocsin
tod
today	
toddle
toddler
toddy
tody
toe
toe-in
toed
toehold
toenail
toffee
toffee-nosed
toft
tog
toga
toga virilis
together
togetherness
toggery
toggle
toggle joint
toggle switch
togs
tohubohu
toil
toile
toilet
toilet paper
toilet set
toilet water
toiletry
toilette
toilsome
toilworn
tokay
token
token payment
tokenism	
tokoloshe
tola
tolan
tolbooth	
tolbutamide
told
tole
tolerable
tolerance	
tolerant
tolerate
tolation	
tolidine
toll
toll bridge	
toll call
toll road
tollbooth
tollgate
tollhouse
tolly
tolu
toluate
toluene	
toluic acid
toluidine
toluol
toly1
tom
tom-tom
tomahawk			
tomato
tomb
tombac
tombola
tombolo
tomboy
tombstone
tomcat
tone
tomfool
tomfoolery
tommyrot	
tomorrow
tompion
tontit	on
tonal
tonality
tone
tone arm
tone control
tone deafness
tone down
tone language
tone poem
tone up
tone-deaf
toneless
toneme
tonetic
tong
tonga
tongs
tongue
tongue depressor
tongue twister
tongue-and-groove joint
tongue-lash
tongue-lashing
tongue-tied
tonguing
tonic
tonic accent
tonic sol-fa
tonic spasm																																														
tonicity
tonight
tonnage
tonne
tonneau
tonometer
tonsil
tonsillectomy
tonsillitis
tonsillotomy
tonsorial
tonsure
tontine
tonus
tony
too
toodle-oo	took	tool
tool steel
tooling
toolmaker
toot
tooth
tooth and nail
tooth powder
tooth shell
toothache
toothache tree
toothbrush
toothed
toothed whale
toothless
toothlike
toothpaste
toothpick
toothsome
toothwort
toothy
tootle
toots
tootsy
top
top banana
top boot
top dog
top dressing
top hat
top off
top out
top-drawer
top-dress
top-heavy
top-hole
top-level
top-notch
topaz
Topazolite
topcoat
tope
topee	
toper
topflight
topfull
topgallant
topgallant mast
topgallant sail
tophus
topi
topic
topic sentence
topical
topknot
topless
toplofty
topmast
topminnow
topmost
topnotch
topo-
topog.
topographer
topography
topological group
topological space
topology
toponym
toponymy
topotype
topper
topping
topping lift
topple
tops
topsail
topside
topsoil
topsy-turvy
topsy-turvydom
toque
tor
torbernite
torch
torch song
touchstone
touchwood
touchy
tough
tough-minded
toughen
toughie	
toupee
tour
tour de force
touraco
tourbillion
tourer
touring car
tourism
tourist
touristy
tourmaline
tournament
tournedos
tourney
tourniquet
tous-les-mois
tousle
tout
tout de suite
tout ensemble
tout le monde
touter	
touzle
tow
tow car
tow truck
tow-haired	
towage
toward
towardly
towards	
towboat
towel	
toweling	
towelling
tower	
tower of silence
towering	
towery
towhead
towhee
towing path
towline
town
town clerk
town crier
town hall
town house
town meeting
town planning
townscrape
townsfolk
township
townsman
townspeople
townswoman
towpath
towrope
tox.
toxemia
toxic
toxicant
toxicity
toxicogenic
toxicology
toxicosis
toxin
toxin-antitoxin
toxoid
toxophihite
toxoplasmosis
toy
toy dog
tr.
trabeated
trace
trace element
traceable
tracer
tracer bullet
tracery
trachea
tracheid
tracheitis
tracheo-
tracheostomy
tracheotomy
trachoma
trachyte
traffic circle
traffic court
traffic light
traffic pattern
trafficicator
tragacanth
tragedian
tragedienne
tragedy
tragic
tragic flaw
tragicomedy
tragopan
tragus
trail
trailblazer
trailer
trailer camp
trailer truck
trailing arbutus
trailing edge
train
trainband
trainbearer
trained nurse
trainee
trainer
training
training school
trainload
trainman
traipse
trait
traitor
traitorous
traject
trajectory
tram
tramline
trammel
tramontane
tramp
tramp steamer
trample
trampoline
tramroad
tramway
trance
tranche
calamity
calender

calamity
transfuse
transfusion
transgress
transgression
tranship
transhumance
transience
transient
transilient
transilluminate
transistor
transistorize
transit
transit circle
transit instrument
transit theodolite
transition
transition element
transitive
transitory
transl.
translatable
translate
translation
translative
translator
transliterate
translocate
translocation
translucent
translucid
translunar
transmarine
transmigrant
transmigrate
transmissible
transmission
transmission line
transmit
transmittal
transmittance
transmitter
transmogrify
transmontane
transmundane
transmutation
transmute
transnational
transoceanic
tansom
transonic
transonic barrier
transp.
transpacific
transpadane
transparency
transparent
transpicious
transpierce
transpire
transplant
transpolar
transponder
transpontine
transport
transportation
transported
transporter bridge
transpositional
transpose
transposing instrument
transposition
transship
transsonic
transsubstantiate
transsubstantiation
transudate
transudation
transude
transvalue
transversal
transverse
transverse process
transverse wave
transvestite
trap
trap door
trap-door spider
trapan
trapes
trapeze
trapeziform
trapezium
trapezius
trapezohedron
trapezoid
treasury certificate
treasury note
treat
treatise
treatment
treaty
treaty port
treble
treble clef
trebuchet
tredillion
tree
tree creeper
tree farm
tree fern
tree frog
tree heath
tree kangaroo
tree of heaven
tree of knowledge of good and evil
tree of life
tree shrew
tree sparrow
tree surgery
tree swallow
tree toad
treed
treehopper
treen
treenail
treenware	ref
trefoil
trehala
trehalose
treillage
trek
trellis
trelliswork	trematode	tremble	trembles	trembly	tremendous	tremolant	tremolite	tremolo	tremor
tremulant
tremulous
trenail
trench
trench coat
trench fever
trench foot
trench knife
trench mortar
trench mouth
trench warfare
trenchant
trencher
trencherman
trenching plane	
trend
trente et quarante
trepan
tre pang
tre phine
trepidation
treponema
trespass
tress
tressure	
trestle
trestle table
trestlework	
tret
trews
trey	
tri-
tri able	
triacid	
triad	
triad elphous	
triage	
trial	
trial and error	
trial balance	
trial balloon	
trial run	
triangle	
triangular	
triangulate	
triangulation	
triarchy	
triatomic
triaxial
triazine
tribade
tribadism
tribal
tribalism
tribasic
tribe
tribesman
triboelectricity
triboluminescence
triboluminescent
tribrach
tribromoethanol
tribulation
tribunal
tribunate
tribune
tributary
tribute
trice
triceps
triceratops
trichiasis
trichina
trichinize
trichinosis
trichite
trichloride
trichloroethylene
trichloromethane
trichlorophenoxyacetic acid
tricho-
trichocyst
trichoid
trichology
trichome
trichomonad
trichomoniasis
trichosis
trichotomy
trichroism
trichromat
trichromatic
trichromatism
trick
trick out
trickery
trickish
trickle
trickle charger
trickster
tricksy
tricky
triclinic
triclinium
tricolor
tricorn
tricornered
tricostate
tricot
tricotine
tricrotic
trictrac
tricuspid
tricycle
tricyclic
tridactyl
trident
tridimensional
tricious
tried
triennial
triennium
tier
trierarch
trifacial
trifid
trifle
trifling
trifocal
trifocals
trifoliate
trifolium
triforium
triform
trifurcate
trig
trig.
trigeminal
trigeminal nerve
trigeminal neuralgia
trigger
trigger-happy
triggerfish
triglyceride
triglyph
tigon
trigonal
trigonometric function
trigonometry
trigorous
trigraph
trihedral
trihedron
trihydric
triodomethane
trike
trilateral
trilateration
trilby
trilemma
trilinear
trilingual
trilateral
trill
trillon
trillium
trilobate
trilobite
trilogy
trim
trim size
trim tab
trimaran
trimer
trimerous
trimester
trimetrical
trimeter
trimetric
trimetric projection
trimetrogon
trimly
trimmer
trimming
trimolecular
trimorphism
trinal
trinary
trine
trinitrobenzene
trinitrocresol
trinitroglycerin
trinitrophenol
trinitrotoluene
trinity
trinket
trinomial
trio
triode
trioecious
triolein
triolet
trioxide
trip
tripalmitin
triparted
tripartite
tripartition
tripe
tripedal
tripersonal
tripetalous
triphammer
triphenylmethane dye
triphibious
triphtong
triphylite
tripinnate
triplane
triple
triple bond
triple point
triple threat
triple time
triple-nerved
triplet
tripetail
triplex
triplicate
triplicity
triploid
tripod
tripodic
tripody
tripoli
tripos
tripper
trippet
tripping
tripterous
triptych
triquestrous
trireme
trisaccharide
trisect
triserial
triskelion
trismus
trisoctahedron
trisomic
triste
tristich
tristicious
trisyllable
tritanopia
trite
tritheism
tritium
tron
triturable
triturate
trituration
triumph
triumphal
triumphal arch
triumphant
triumvir
triumvirate
triune
trivalent
trivet
trivia
trivial
triviality
trivium
troat
trocar
trochaic
trochal
trochanter
troche
trochee
trochelminth
trochilus
trochlear
trochlear nerve
trochophore
trod
trodden
troglodyte
trogon
troika
troll
trolley
trolley bus
trolley car
trolley line
trollop	
trolly
tromba marina
trombidiasis
trombone
trommel	
trompe
trompe l'oeil
trona	
troop
troop carrier
trooper
troopship
troostite
tropacolin
trope
trophic
tropho-
trophoblast
trophoplasm
trophozoite
trophy
tropic
tropical
tropical medicine
tropical year
tropicalize
tropine
tropism
tropo-
tropology
tropopause
tropophilous
troposphere
trot
troth
trothplight
trotline
trotter
truelove knot
truffle
trug
truism
trull
truly
trump
trump up
trumpery
trumpet
trumpet flower
trumpet honeysuckle
trumpet vine
trumpeter
trumpeter swan
trumpetweed
truncate
truncated
truncation
truncheon
trundle
trundle bed
trunk
trunk cabin
trunk call
trunk hose
trunk line
trunkfish
trunks
trunnel
trunnion
truss
truss bridge
trussing
trust
trust company
trust fund
trust territory
trustbuster
trustee
trusteeship
trustful
trusting
trustless
trustworthy
trusty
truth
truth serum
tuna
tunable
tundra
tune
tune in
tuneful
tuneless
tuner
tunesmith	ung oil
tungstate
tungsten
tungsten lamp
tungstic
tungstic acid
tungstite	unic
tunicate
tunicle	uning
tuning fork
tunnage
tunnel
tunnel disease
tunnel vault
tunnel vision
tunny	upelo
tuppence
tuque
turaco
turban
turbary
turbellarian	turbid
turbidimeter
turbinal
turbinate	turbine
turbit
turbo-
turbo-electric
turbo-propeller engine
turbofan
turbojet
turbojet engine
turboprop
turbosupercharger
turbot
turbulence
turbulent
turbulent flow
turd
turdine
tureen	urf	urfman
turfy	urgent	urgescent	urgid
turgite	urgor
turkey	turkey buzzard
turkey trot	turkey vulture	turmeric	turmeric paper	turnmoil
tum
turn	turn against
turn away
turn in
turn indicator
turn on
turn out
turn to
turn up
turn-and-bank indicator
tumabout
tumaround
turnbuckle
turncoat
turned comma
tumed-on
tumer
tumery
turning
turning point
tumip
tumkey
tumout
turnover
tumpike
tumsole
turnspit
turnstile
turnstone
tumtable
turpentine
turpeth
turpitude
turquoise
turret
turret clock
turret lathe
turtle
turtleback
turtledove
turtleneck
turves
tusche
tush
tushy
tusk
tusker
tussah
tussis
tussle
tussock
tussore
tut	
tutelage
tutelary
tutor
tutorial
tutorial system
tutti
tutti-frutti	
tutty
tutu
tuxedo
tuyere	
twaddle
twain	
twang
twattle
twayblade
tweak
tweed
tweedy
tweeny
tweet
tweeter
tweeze
tweezers
twelfth
twelve
twelve-mile limit
twelve-tone
twelve-tone row
twelvemo
twelvemonth
twentieth
twenty
twenty-four
twenty-fourmo
twenty-one
twenty-two
twerp
twibill
twice
twice-told
twiddle	wig	wiggy	wilght	wilight sleep	wilight zone
twill	win	win bed	win bill	win-lens reflex	win-screw	winberry	wine	winflower	winge	wink	winkle	winkling	winned	wirl	wirp	twist	twist drill	twister	wit	twitter
twittery
two
two-bit
two-by-four
two-color
two-cycle
two-dimensional
two-edged
two-faced
two-four time
two-handed
two-part time
two-party system
two-phase
two-piece
two-ply
two-seater
two-sided
two-spot
two-step
two-time
two-tone
two-up
two-way
two-wheeler
twofold
twopence
twopenny
twosome
tycoon
tyg
tying
tyke
tylosis
tymbal
tympan
tympanic
tympanic bone
tympanic membrane
tympanist
tympanites
tympanitis
tympanum
tympany
typ.
typal
type
type founder
type metal
type species
type specimen
type-high
typebar
typecase
typecast
typeface
typescript
typeset
typesetter
typesetting
typewrite
typewriter
typewriting
typewritten
typhogenic
typhoid
typhoid fever
typhoon
typhus
typical
typify
typist
typo
typographer
typographical error
typography
typology
typw.
tyrannical
tyrannicide
tyrannize
tyranosaur
tyranrous
tyran

ubi supra
ubiety
ubiquitous
udder
udo
udometer
ugh
uglify
ugly
ugly customer
ugly duckling
uh-huh
uhlan
uintathere
uitlander
ukase
ukulele
ulcer
ulcerate
ulceration
ulcerative
ulcerous
ulema
ullage
ulmaceous
ulna
ulotrichous
ulster
ulterior
ultima
ultima Thule
ultimate
ultimate constituent
ultimately
ultimatum
ultimo
ultimogeniture
ultra
ultra-
ultracentrifuge
ultraconservative
ultrafilter
ultrahigh frequency
ultrasm
ultramarine
ultramicrochemistry
ultramicrometer
ultramicroscope
ultramicroscopic
ultramodern
ultramontane
<table>
<thead>
<tr>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
<th>Word</th>
</tr>
</thead>
<tbody>
<tr>
<td>ultramontanism</td>
<td>ultramundane</td>
<td>ultranationalism</td>
<td>ultrared</td>
<td>ultrasonic</td>
<td>ultrasonics</td>
<td>ultrasound</td>
<td>ultrastructure</td>
<td>ultraviolet</td>
<td>ultravirus</td>
</tr>
<tr>
<td>ululant</td>
<td>ululate</td>
<td>umbel</td>
<td>umbelliferous</td>
<td>umber</td>
<td>umbilical</td>
<td>umbilical cord</td>
<td>umbilicate</td>
<td>umblication</td>
<td>umbilicus</td>
</tr>
<tr>
<td>umbles</td>
<td>umbra</td>
<td>umbrage</td>
<td>umbrageous</td>
<td>umbrella</td>
<td>umbrela bird</td>
<td>umbrella plant</td>
<td>umbrella tent</td>
<td>umbrella tree</td>
<td>umiak</td>
</tr>
<tr>
<td>umlaut</td>
<td>umpire</td>
<td>umpteen</td>
<td>un-</td>
<td>un-American</td>
<td>una corda</td>
<td>unabated</td>
<td>unable</td>
<td>unabridged</td>
<td>unaccompanied</td>
</tr>
<tr>
<td>unaccomplished</td>
<td>unaccountable</td>
<td>unaccounted-for</td>
<td>unacquainted</td>
<td>unadvised</td>
<td>unaesthetic</td>
<td>unaffected</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
unalienable
unalloyed
unalterable
unaneled
unanimity
unanimous
unanswerable
unappealable
unapproachable
unapt
unarm
unarmed
unashamed
unasked
unassailable
unassuming
unattached
unattended
unavailing
unavoidable
unaware
unawares
unbacked
unbalance
unbalanced
unbar
unbated
unbearable
unbeatable
unbeaten
unbecoming
unbeknown
unbelief
unbelievable
unbeliever
unbelieving
unbelt
unbend
unbending
 unbent
unbiased
unbidden
unbind
unblessed
unblinking
unblock
unblown
unblushing
unbodied
unbolt
unbolted
unboned
unbonnet
unborn
unbosom
unbound
unbounded
unbowed
unbrace
unbraid
unbreathed
unbridle
unbridled
unbroken
unbuckle
unbuild
unburden
unbutton
uncalled-for
uncanny
uncanonical
ucap
uncared-for
uncasted
unceasing
unceremonious
uncertain
uncertainty
uncertainty principle
unchain
unchancy
uncharitable
uncharted
unchartered
unchaste
unchristian
unchurch
uncial
unciform
uncinariasis
uncinate
uncinus
uncircumcised
uncircumcision
uncivil
uncivilized
unclad
unclasp
unclassical
unclassified
uncle
unclean
uncleanly
unclear
unclench
unclinch
uncloak
unclog
unclose
unclothe
uncoil
uncomfortable
uncommercial
uncommitted
uncommon
uncommonly
uncommunicative
uncompromising
unconcern
unconcerned
unconditioned
unconformable
unconformity
unconnected
unconquerable
unconscionable
unconscious
unconsidered
unconstitutional
uncontrollable
unconventional
unconventionality
uncork
uncounted
uncouple
uncourtly
uncouth
uncovenanted
uncover
uncovered
uncritical
uncrown
uncrowned
underexposure
underfeed
underfoot
underfur
undergarment
undergird
underglaze
undergo
undergraduate
underground
underground railroad
undergrown
undergrowth
underhand
underhanded
underhung
underlaid
underlay
underlayer
underlet
underlie
underline
underlaiden
underling
underlying
undermanned
undermine
undermost
underneath
undernourished
underpainting
underpants
underpart
underpass
underpay
underpin
underpinning
underpinnings
underpitch vault
underplay
underplot
underprivileged
underproduction
underproof
underprop
underquote
underrate
underscore
undersea
undersecretary
undersell
underset
undersexed
undersheriff
undershirt
undershoot
undershorts
undershot
undershrub
underside
undersigned
undersize
undersized
underskirt
underslung
understand
understandable
understanding
understate
understood
understrapper
understructure
understudy
undersurface
undertake
undertaker
undertaking
undertenant
underthrust
undertint
undertone
undertook
undertow
undertrick
undertrump
undervalue
undervest
underwaist
underwater
underwear
underweight
underwent
underwing
underwood
underworld
underwrite
underwriter
undesigned
undesigning
undesirable
undetermined
undeviating
undies
undine
undirected
undistinguished
undo
undoing
undone
undoubted
undrape
undress
undressed
undue
undulant
undulant fever
undulate
undulation
undulatory
unduly
undying
unearned
unearned income
unearned increment
unearth
uneartily
uneasy
uneducated
unemployable
unemployed
unemployment
unemployment compensation
unending
unequal
unequaled
unequivocal
unerring
unessential
uneven
uneventful
unexacting
unexamined
unexceptionable
unexceptional
unexpected
unexperienced
unexpressed
unexpressive
unfailing
unfair
unfaithful
unfamiliar
unfasten
unfathomable
unfavorable
unfeeling
unfeigned
unfetter
unfinished
unfit
unfix
unfledged
unfleshly
unflinching
unfold
unfolded
unforgettable
unformed
unfortunate
unfounded
unfreeze
unfrequented
unfriend
unfriendly
unfrock
unfruitful
unfurl
ungainly
ungenerous
unglue
ungodly
ungotten
ungovernable
ungraceful
ungracious
ungrateful
ungrounded
ungrudging
ungual
unguarded
unguent
unguentum
unguiculate
unguinious
ungula
ungulate
unhair
unhallow
unhallowed
unhand
unhandled
unhandsome
unhandy
unhappy
unharness
unhealthy
unheard
unheard-of
unhelm
unhesitating
unhinge
unhitch
unholy
unhook
unhoped-for
unhorse
unhouse
unhurried
un-
uniaxial
unicameral
unicellular
unicorn
unicuspid
unicycle
unideaed
unidirectional
unific
unification
unifilar
uniflorous
unifoliate
unifoliolate
uniform
uniformed
uniformitarian
uniformity
uniformize
unify
unijugate
unilateral
unilingual
uniliteral
unilobed
unilocular
unimpeachable
unimposing
unimproved
uninhibited
uninspired
uninstructed
unintelligent
unintelligible
unintentional
uninterested
uninterrupted
unocular
union
union jack
union shop
union suit
unionism
unionist
unionize
uniparous
unipersonal
uniplanar
unipod
unipolar
unique
unisepatate
unisexual
unison
unit
unit cell
unit character
unit cost
unit factor
unit price
unit trust
unitary
unitary matrix
unite
united
unitive
unity
univ.
univalence
univalent
univalve
universal
universal class
universal joint
universal motor
universal suffrage
universalism
universalist
universality
universalize
universally
universe
universe of discourse
university
university extension
univocal
unjaundiced
unjust
unkempt
unkenned
unkennel
unkind
unkindly
unknit
unknot
unknowable
unknowing
unknown
unlace
unlade
unlash
unlatch
unlawful
unlay
unlearn
unlearned
unleash
unleavened
unless
unlettered
unlicensed
unlike
unlikelihood
unlikely
unlimber
unlimited
unlisted
unpaid
unpaid-for
unparalleled
unparliamentary
unpeg
unpen
unpeople
unpeopled
unperforated
unpile
unpin
unplaced
unpleasant
unpleasantness
unplug
unplumbed
unpolite
unpolitic
unpolled
unpopular
unpractical
unprecedented
unpredictable
unprejudiced
unpremeditated
unprepared
unpretentious
unpriced
unprincipled
unprintable
unproductive
unprofessional
unprofitable
unpromising
unprovided
unqualified
unquestionable
unquestioned
unquestioning
unquiet
unquote
unravel
unread
unreadable
unready
unreal
unreality
unrealizable
unreason
unreasonable
unreasoning
unreconstructed
unreel
unreeve
unrefined
unreflecting
unreflective
unregenerate
unrelenting
unreliable
unreligious
unremitting
unrepair
unrequited
unreserve
unreserved
unrest
unrestrained
unrestraint
unriddle
unrig
unrighteous
unripe
unrivaled
unrivalled
unrobe
unroll
unroof
unroot
unrounded
unruffled
unruly
unsaddle
unsaid
unsatisfactory
unsavory
unsay
unsathed
unschooled
unscientific
unscramble
unscratched
unscreened
unscrew
unscrupulous
unseal
unseam
unsearchable
unseasonable
unseasoned
unseat
unsecured
unseemly
unseen
unsegregated
unselfish
unset
unsettle
unsettled
unsex
unshackle
unshakable
unshaped
unshapen
unsheathe
unship
unshod
unshroud
unsightly
unskilled
unskilled labor
unskillful
unsling
unsnap
unsnarl
unsociable
unsocial
unsophisticated
unsought
unsound
unsparing
unspeakable
unspent
unsphere
unspoiled
unspoken
unspotted
unstained
unstained
unsteady
unsteel
unstep
unstick
unstop
unstoppable
unstopped
unstrained
unstrap
unstressed
unstring
unstriped
unstrung
unstuck
unstudied
unsubstantial
unsuccess
unsuccessful
unsuitable
unsung
unsupported
unsure
unsuspected
unsuspecting
unsustainable
unswear
unswerving
untangle
untaught
unteach
untenable
unthankful
unthinkable
unthinking
unthought-of
unthread
unthrone
untidy
untie
until
untimely
untinged
untitled
unto
untold
untouchability
untouchable
untouched
untoward
untraveled
untread
untried
untrimmed
untrue
untruth
untruthful
untuck
untune
untutored
untwine
untwist
unused
unusual
unutterable
unvalued
unvarnished
unveil
unveiling
unvoice
unvoiced
unwarrantable
unwarranted
unwary
unwashed
unwatched
unwearied
unweave
unweighed
unwelcome
unwell
unwept
unwholesome
unwieldy
unwilled
unwilling
unwind
unwinking
unwisdom
unwise
unwish
unwished
unwitnessed
unwitting
unwonted
unworldly
unworthy
unwrap
unwritten
unwritten law
unyielding
upper class
upper crust
upper deck
upper hand
upper house
upper works
upper-case
upperclassman
uppercut
uppermost
uppish
uppity
upraise
uprear
upright
upright piano
uprise
uprising
uproar
uproarious
uproot
uprush
ups and downs
upset
upsetting
upshot
upside
upside down
upside-down cake
upsilon
upspring
upstage
upstairs
upstanding
upstart
upstate
upstream
upstretched
upstroke
upsurge
upsweep
upswing
upsy-daisy
uptake
upthrow
upthrust
uptown
uptrend
upturn
upturned
upward
upwards
upwind
ur-
uracil
uraemia
uraeus
uralite
uranalysis
uranic
uraninite
uranium
uranium 235
urano-
uranography
uranology
uranometry
uranous
uranyl
urban
urban renewal
urbane
urbanism
urbanist
urbanite
urbanity
urbanize
urbi et orbi
urceolate
urchin
urea
urease
uredium
uredo
ureide
uremia
ureter
urethra
urethrectomy
urethritis
urethroscope
uretic
urge
urgency
urgent
usurpation
usury
ut
ut infra
ut supra
 utensil
uterine
uterus
uti possidetis
utile
utilitarian
utilitarianism
utility
utility man
utility player
utility room
utilize
utmost
utopia
utopian
utopian socialism
utopianism
utricle
utter
utterance
uttermost
uvarovite
uvea
uveitis
uvula
uvular
uvulitis
uxorial
uxoricide
uxorious
v
v. aux.
v.a.
v.d.
v.g.
v.i.
v.s.
v.v.
vacancy
vacant
vacate
vacation
vacationist
vaccinate
vaccination
vaccine
vaccinia
vaccillate
vaccillating
vaccillation
vaccillatory
vacua
vacuity
vacuole
vacuous
vacuum
vacuum bottle
vacuum cleaner
vacuum distillation
vacuum gauge
vacuum pump
vacuum tube
vade mecum
vadose
vagabond
vagabondage
vagal
vagarious
vagary
vagina
vaginal
vaginate
vaginectomy
vaginismus
vaginitis
vagrancy
vagrant
vagrom
vague
vagus
vail
vain
vainglorious
vainglory
vair
vaivode
val.
valance
vale
valediction
valedictorian
vambrace
vamoose
vamp
vampire
vampirism
van
van Eyck
van der Weyden
van't Hoff
vanadate
vanadic acid
vanadinite
vanadium
vanadous
vanda
vandal
vandalism
vandalize
vane
vang
vanguard
vanilla
vanillic
vanillin
vanish
vanishing cream
vanishing point
vanity
vanity case
vanquish
vantage
vantage ground
vantage point
vanward
vapid
vapor
vapor pressure
vapor tension
vapor trail
vaporescence
vaporetto
vaporific
vaporimeter
vaporizing
vaporish
vaporization
vaporize
vaporizer
vaporous
vapory
vaquero
var.
vara
vargueno
varia
variable
variable annuity
variable star
variance
variant
variate
variation
varicella
varicelloid
varices
varico-
varicocele
varicolored
varicose
varicose veins
varicotomy
varied
variegate
variegated
variegation
varietal
variety
variety meat
variety store
variform
variola
variole
variolite
varioloid
variolous
variometer
variorum
various
variscite
varistor
variotype
varix
varlet
varletry
varmint
varnish
varnish tree
diversity
departmental
depend
dependent
dependently
dependence
dependence
dependent
dependently
dependence
dependence
dependent
dependently
veer
veery
veg
vegetable
vegetable butter
vegetable ivory
vegetable kingdom
vegetable marrow
vegetable oil
vegetable oyster
vegetable wax
vegetal
vegetarian
vegetarianism
vegetate
vegetation
vegetative
vehemence
vehement
vehicle
vehicular
veil
veiled
veiling
vein
veinlet
veinstone
veinule
vel.
velamen
velar
velarium
velarize
velate
veld
veliger
velites
velleity
velicate
vellum
veloce
velocipede
velocity
velodrome
velour
velours
velum
velure
velutinous
velvet
velveteen
velvety
vena
vena cava
venal
venality
venatic
venation
vend
vendace
vendee
vender
vendetta
vendible
vending machine
vendor
vendue
veneer
veneering
venenose
venepuncture
venerable
venerate
veneration
venereal
venereal disease
venery
venesection
venetian blind
venge
vengeance
vengeful
venial
venial sin
venin
venipuncture
venire facias
venireman
venison
venom
venomous
venose
venosity
venous
vent
ventage
ventail
venter
ventilate
ventilation
ventilator
ventose
ventral
ventral fin
ventricle
ventricose
ventricular
ventriculus
ventriloquism
ventriloquist
ventriloquize
ventriloquy
venture
venture capital
venturesome
venturous
venue
venule
veracious
veracity
veranda
veratridine
veratrine
verb
verb phrase
verbal
verbal noun
verbalism
verbality
verbalize
verbatim
verbena
verbenaceous
verbiage
verbid
verbify
verbose
verbosity
verboten
verbum sap
verd antique
verdant
verderer
verdict
verdigris
verdin
verditer
verdure
verecund
verge
vergeboard
verger
veridical
verified
verify
verily
verisimilar
verisimilitude
verism
veritable
verity
verjuice
vermeil
vermicelli
vermicide
vermicular
vermiculate
vermiculation
vermiculite
vermiform
vermiform appendix
vermiform process
vermifuge
vermilion
vermin
vermination
verminous
vermis
vermouth
vermouth cassis
vernacular
vernacularism
vernacularize
vernal
vernal equinox
vernalize
vernation
vernier
vernier engine
vernier rocket
vernissage
veronica
verruca
verrucose
vers libre
versatile
verse
versed
versicle
versicolor
versicular
versification
versify
version
verso
verst
versus
vert
vertebra
vertebral
vertebral column
vertebrate
vertex
vertical
vertical circle
vertical envelopment
vertical mobility
vertical stabilizer
vertical union
verticillaster
verticillate
vertiginous
vertigo
vertu
vervain
verve
vervet
very
very high frequency
very low frequency
vesica
vesical
vesicant
vesicate
vesicatory
vesicle
vesiculate
vesper
vesper sparrow
vesperal
vespers
vespertilionine
vespertine
vespiary
vespid
vespine
vessel
vest
vest-pocket
vesta
vestal
vestal virgin
vested
vested interest
vestiary
vestibule
vestige
vestigial
vesting
vestment
vestry
vestryman
vesture
vesuvian
vesuvianite
vet
vet.
vetch
vetchling
veteran
veterinarian
veterinary
veterinary medicine
vetiver
veto
vex
vexation
vexatious
vexed
vexillum
vi et armis
via
via media
viable
viaduct
vial
viand
vaticum
viator
vibes
vibraculum
vibraharp
vibrant
vibraphone
vibrate
vibratile
vibration
vibrations
vibrato
vibrator
vibratory
vibrio
vibrissa
viburnum
vicar
vicar forane
vicar general
vicarage
vicarial
vicariate
vicarious
vice
vice admiral
vice squad
vice versa
vice-chairman
vice-chancellor
vice-president
vice-regent
vicegerent
vicenary
vicennial
viceregal
vicereine
viceroys
vichy water
vichysoise
vicinage
vicinal
vicinity
vicious
vicious circle
vicissitude
victim
victimise
victor
victoria
victorious
victory
victory garden
victual
victualage
victualer
victualler
victuals
vide
videlicet
video
videogenic
vidette
vidicon
vie
view
viewable
viewer
viewfinder
viewing
viewless
viewpoint
viewy
vigesimal
vigil
vigil light
vigilance
vigilance committee
vigilant
vigilante
vigilantism
vignette
vigor
vigorous
vil.
vilayet
vile
vilify
vilipend
villa
village
villager
villain
villainage
villainous
villainy
villanelle
vinylidene
viol
viola
viola d'amore
viola da braccio
viola da gamba
violable
violaceous
violate
violation
violative
violence
violent
violet
violet ray
violin
violinist
violist
violoncellist
violoncello
violone
viosterol
viper
viper's bugloss
viperine
viperish
viperous
virago
viral
virelay
vireo
virescence
viresent
virga
virgate
virgin
virgin birth
virgin's-bower
virginal
virginity
virginium
virgulate
virgule
viridescent
viridian
viridity
virile
virilism
virility
virology
virtu
virtual
virtually
virtue
virtues
virtuosic
virtuosity
virtuoso
virtuous
virulence
virulent
virus
virus disease
vis major
visa
visage
viscacha
viscera
visceral
viscid
viscoid
viscometer
viscose
viscosity
viscount
viscounty
viscountcy
viscountess
viscount
viscous
viscus
vise
visibility
visible
visible horizon
visible radiation
visible speech
vision
visional
visionary
visit
visitant
visitation
visiting card
visiting fireman
visiting nurse
visiting professor
vitriform
vitrify
vitrine
vitriol
vitriolic
vitriolize
vitta
vittle
vituline
vituperate
vituperation
viva
viva voce
vivace
vivacious
vivacity
vivarium
vive
vivid
vivify
viviparous
vivisect
vivisection
vivisectionist
vixen
viz.
vizard
vizcacha
vizier
vizierate
vizor
vo.
voc.
vocable
vocabulary
vocal
vocal cords
vocal folds
vocal score
vocalic
vocalise
vocalism
vocalist
vocalize
vocation
vocational
vocational education
vocative
vociferance
vociferant
vociferate
vociferation
vociferous
vocoid
vodka
vogue
voguish
voice
voice box
voice coil
voice part
voice vote
voiced
voiceful
voiceless
void
voidable
voidance
voile
voir dire
voiture
vol-au-vent
volant
volar
volatile
volatile oil
volatile salt
volatilize
volcanic
volcanic glass
volcanism
volcano
volcanology
vole
volitant
volition
volitive
volley
volleyball
volost
volplane
vols.
volt
volt-coulomb
voltage
voltage divider
voltaic
voltaic battery
voltaic electricity
voltaic pile
voltaism
voltmeter
voltammeter
volte-face
voltmeter
voluble
volume
volumed
volumeter
volumetric
volumetric analysis
voluminous
voluntary
voluntaryism
volunteer
voluptuary
voluptuous
volute
volution
volva
volvox
volvulus
vomer
vomit
vomiitory
vomiturition
von Braun
voodoo
voodooism
voracious
voracity
vortex
vortical
vorticella
votary
vote
voter
voting machine
votive
vouch
voucher
vouchsafe
vouge
voussoir
vow
vowel
vowelize
vox angelica
vox humana
vox populi
voyage
voyageur
voyeur
voyeurism
vraisemblance
vs.
vulcanism
vulcanite
vulcanize
vulcanology
vulg.
vulgar
vulgar fraction
vulgarian
vulgarism
vulgarity
vulgarize
vulgate
vulgus
vulnerable
vulnerary
vulpine
vulture
vulturine
vulva
vulvitis
vv.
vying
w
w.
w.b.
w.c.
w.f.
w.l.
w/o
wabble
wack
wacke
wacky
wad
wadding
waddle
wade
wader
wadi
wading bird
wadmal
wafer
waffle
waft
waftage
waffure
wag
wage
wage earner
wage scale
wage slave
wager
wageworker
waggery
waggish
waggle
waggon
wagon
wagon soldier
wagon train
wagon vault
wagon-lit
wagonage
wagoner
wagonette
wagtail
wahoo
waif
wail
waifful
wain
wainscot
wainscoting
wainwright
waist
waistband
waistcloth
waistcoat
waisted
waistline
wait
wait on
wait up
wait-a-bit
waiter
waiting game
waiting list
waiting room
waitress
waive
waiver
wake
wake-robin
wake-up
wakeful
wakeless
waken
wakerife
waldgrave
wale
walk
walk-in
walk-on
walk-through
walk-up
walkabout
walker
walkie-talkie
walking
walking delegate
walking fern
walking papers
walking stick
walkout
walkover
walkway
wall
wall fern
wall knot
wall pellitory
wall plate
wall rock
wall rocket
wall rue
wallaby
wallah
wallaroo
wallboard
walled plain
wallet
walleye
walleyed
wallflower
wallop
walloper
walloping
wallow
wallpaper
wally
walnut
walrus
waltz
waltz time
wamble
wame
wampum
wampumpeag
wan
wand
wander
wandering
wanderlust
wanderoo
wane
wangle
wanigan
waning moon
want
want ad
wantage
wanting
wanton
wapentake
wapiti
war
war baby
war bonnet
war bride
war correspondent
war crime
war cry
war dance
war footing
war game
war of nerves
war paint
war vessel
war whoop
war-horse
warble
warble fly
warbler
ward
ward heeler
ward off
warden
warder
wardmote
wardrobe
wardrobe trunk
wardroom
wardship
ware
warehouse
warehouseman
wareroom
wares
warfare
warfarin
warhead
warily
wariness
warison
warlike
warlock
warlord
warm
warm front
warm over
warm-blooded
warm-hearted
warm-up
warmed-over
warmhearted
warming pan
warmonger
warmongering
warmth
warn
warning
warp
warpath
warplane
warrant
warrant officer
warrantable
warrantee
warrantor
warranty
warren
warrener
warrigal
warrior
warship
warsle
wart
wart hog
warthog
wartime
warty
wary
was
wash
wash down
wash drawing
wash up
washable
washbasin
washboard
washbowl
washcloth
washday
washed up
washed-out
washed-up
washer
washerman
washerwoman
washery
washhouse
washin
washing
washing machine
washing powder
washing soda
washout
washrag
washroom
washstand
washtub
washwoman
washy
wasn't
wasp
wasp waist
waspish
wassail
wast
wastage
waste
waste pipe
wastebasket
wasteful
wasteland
wastepaper
wastepaper basket
wasting
wastrel
wat
watch
watch and ward
watch cap
watch chain
watch fire
watch night
watchband
watchcase
watchdog
watcher
watchful
watchmaker
watchman
watchtower
watchword
water
water back
water beetle
water bird
water blister
water boatman
water boy
water buffalo
water bug
water chestnut
water chinquapin
water clock
water closet
water cooler
water crake
water cure
water dog
water down
water flea
water gap
water gas
water gate
water gauge
water glass
water gum
water gun
water hammer
water hemlock
water hen
water hole
water hyacinth
water ice
water jacket
water jump
water lemon
water level
water lily
water line
water main
water meadow
water meter
water milfoil
water mill
water moccasin
water nymph
water ouzel
water ox
water parting
water pepper
water pimpernel
water pipe
water plantain
water plug
water pocket
water polo
water power
water purslane
water rail
water rat
water right
water scorpion
water shield
water snake
water softener
water spaniel
water sprite
water strider
water supply
water system
water table
water tower
water vapor
water wave
water wheel
water wings
water witch
water witching
water-cool
water-repellent
water-resistant
water-sick
water-soak
waterage
waterborne
waterbuck
watercolor
watercourse
watercraft
watercress
watered-down
waterfall
waterfowl
waterfront
wateriness
watering
watering can
watering place
watering pot
waterish
waterless
waterline
waterlog
waterlogged
waterman
watermark
watermelon
waterproof
waterscape
watershed
waterside
waterspout
watertight
waterway
waterworks
watery
wayzgoose
wd.
we
we're
we've
weak
weak sister
weak-kneed
weak-minded
weak-willed
weaken
weaker sex
weakfish
weakling
weakly
weakness
weal
weald
wealthy
wean
weaner
weanling
weapon
weaponeer
weaponless
weaponry
wear
wear and tear
wear down
wear off
wear out
wearable
weariful
weariless
wearing
wearing apparel
wearisome
wearproof
weary
weasand
weasel
weasel out
weasel words
weather
weather deck
weather eye
weather map
weather report
weather station
weather strip
weather vane
weather-beaten
weather-bound
weather-wise
weatherboard
weatherboarding
weathercock
weathered
weatherglass
weathering
weatherly
weatherman
weatherproof
weathertight
weatherworn
weave
weaver
weaver's hitch
weaverbird
web
web press
web spinner
web-footed
webbed
webbing
webby
weber
webfoot
webworm
wed
wedded
wedding
wedding ring
wedge
wedge heel
wedged
wedlock
wee
weed
weed out
weeds
weedy
week
weekday
weekend
weekender
weekly
ween
weeny
weep
weeper
weeping
weeping willow
weepy
weever
weevil
weevily
weft
weigela
weigh
weigh down
weigh-in
weighbridge
weight
weighted
weighting
weightless
weightlessness
weighty
weir
weird
weird sisters
weirdie
weirdo
weka
welch
welcome
weld
welfare
welfare state
welfare work
welfarism
welkin
well
well smack
well sweep
well-advised
well-appointed
well-balanced
well-being
well-beloved
well-bred
well-chosen
were
weren't
werewolf
wergild
wernerite
wersh
wert
west
west by north
west by south
west-northwest
west-southwest
westbound
wester
westerling
westerly
western
western hemlock
westernism
westernize
westernmost
westing
westward
westwardly
wet
wet blanket
wet cell
wet fly
wet nurse
wet pack
wet suit
wet-nurse
wether
wetting agent
whack
whacking
whacky
whale
whaleback
whaleboat
whalebone
whalebone whale
whaler
whaling
wham
whangee
whap
wharf
wharf rat
wharfage
wharfinger
wharve
what
whate'er
whatever
whatnot
whatsoe'er
whatsoever
wheat
wheat germ
wheat rust
weatear
wheaten
wheatworm
wheedle
wheel
wheel and axle
wheel animalcule
wheel bug
wheel horse
wheel lock
wheel of fortune
wheel window
wheelbarrow
wheelbase
wheelchair
wheeled
wheeler
wheelhorse
wheelhouse
wheeling
wheelman
wheels
wheelman
wheelwork
wheelwright
ween
wheeze
wheazy
whelk
whelm
whelp
when
whenas
whence
whencesoever
whene'er
whenever
whenever
where
where'er
whereabouts
whereas
whereat
whereby
wherefore
wherefrom
wherein
whereinto
whereof
whereon
wheresoever
whereto
whereunto
whereupon
wherever
wherewith
wherewithal
wherry
whet
whether
whetstone
whew
whey
whf.
which
whichever
whichever
whicker
whidah
whiff
whiffet
whiffle
whiffler
whiffletree
while
while away
whiles
whilom
whilst
whim
whim-wham
whimper
whimsey
whimsical
whimsicality
whimsy
whin
whinchat
whine
whinny
whinstone
whiny
whip
whip graft
whip hand
whip in
whip scorpion
whip up
whipcord
whiplash
whipper-in
whippersnapper
whippet
whipping
whipping boy
whipping cream
whipping post
whippletree
whippoorwill
whipsaw
whipstall
whipstitch
whipstock
whirl
whirlabout
whirligig
whirligig beetle
whirlpool
whirlpool bath
whirlwind
whirly
whirlybird
whish
whisk
whisk broom
whisker
whiskey
whiskey sour
whisky
whisper
whispering
whispering campaign
whispering gallery
whist
whistle
whistler
whistling
whistling swan
whit
white
white admiral
white alkali
white ant
white bear
white birch
white blood cell
white book
white bryony
white cedar
white clover
white dwarf
white elephant
white ensign
white feather
white flag
white fox
white frost
white gold
white goods
white gum
white heat
white lead
white lead ore
white leather
white leg
white lie
white matter
white meat
white metal
white mustard
white noise
white oak
white paper
white pepper
white pine
white plague
white poplar
white potato
white rainbow
white rat
white rose
white sale
white sapphire
white sauce
white slave
white slavery
white spruce
white squall
white supremacy
white tie
white turnip
white vitriol
white walnut
white water
white whale
white wine
white-collar
white-eye
white-faced
white-footed mouse
white-headed
white-hot
white-livered
white-tailed deer
whitebait
whitebeam
whitecap
whited sepulcher
whitefish
whitefly
whiten
whiteness
whitening
whitesmith
whitethorn
whitethroat
whitewall
whitewash
whitewing
whitewood
whether
whithersoever
whitherward
whiting
whitish
whitleather
whitlow
whittle
whittling
whity
whiz
whiz-bang
who
who's
whoa
whodunit
whoever
whole
whole blood
whole gale
whole hog
whole milk
whole note
whole number
whole rest
whole step
whole wheat
whole-tone scale
whole-wheat
wholehearted
wholesale
wholesome
wholism
wholly
whom
whomever
whomp
whomsoever
whoop
whooppee
whooper
whooper swan
whooping cough
whoops
whoosh
whop
whopper
whopping
whore
whoredom
whorehouse
whoremaster
whoreson
whorish
whorl
whorled
whortleberry
whose
whoso
whosoever
whistle.
why
whydah
wick
wicked
wickedness
wicker
wickerwork
wicket
wicketkeeper
wickup
wicopy
widdershins
wide
wide-angle
wide-angle lens
wide-awake
wide-eyed
wide-open
wide-ranging
wide-screen
widely
widen
widespread
widgeon
widget
widow
widow bird
widow's cruse
widow's mite
widow's peak
widow's walk
widower
width
widthwise
wield
wieldy
wiener
wife
wifehood
wifeless
wifeley
wig
wigeon
wigging
wiggle
wiggler
wiggly
wight
wigwag
wigwam
wikiup
wild
wild boar
wild brier
wild celery
wild lettuce
wild man
wild mustard
wild oat
wild oats
wild olive
wild pansy
wild parsley
wild parsnip
wild rice
wild rose
wild rubber
wild rye
wild-eyed
wild-goose chase
wildcat
wildcat strike
wildebeest
wilder
wilderness
wildfire
wildfowl
wilding
wildlife
wildwood
wile
wilful
wiliness
will
will power
will-o'-the-wisp
willable
willed
willet
willful
cold
willies
willing
williwaw
cold
willow
cold
willow pattern
cold
willowy
cold
willpower
cold
willy-nilly
violet
willy-willy
violet
wilt
violet
wily
wimble
wimple
win
win out
wince
winch
wind
wind cone
wind gauge
wind harp
wind indicator
wind instrument
wind rose
wind scale
wind shake
wind tee
wind tunnel
wind up
wind vane
wind-broken
wind-pollinated
wind-sucking
windage
windbag
windblown
windbound
windbreak
windburn
windcheater
winded
winder
windfall
windflower
windgall
windhover
winding
winged
ginger
wingless
winglet
wingover
wingspan
wingspread
wink
wink at
winker
winkle
winner
winning
winning gallery
winnow
wino
winsome
winter
winter aconite
winter cherry
winter jasmine
winter wheat
winter feed
wintergreen
winter green oil
winterize
winterkill
wintertide
wintertime
wintery
winy
winze
wipe
wiper
wire
wire cloth
wire entanglement
wire gauze
wire glass
wire grass
wire house
wire recorder
wire service
wire wheel
wire-haired
wire-wove
wiredraw
wireless  
wireless telegraphy  
wireless telephone  
wireless telephony  
wireman  
wirer  
wiretap  
wirework  
wireworm  
wiring  
wirra  
wiry  
wisdom  
wisdom tooth  
wise  
wise guy  
wiseacre  
wisecrack  
wisent  
wish  
wishbone  
wishful  
wishful thinking  
wishy-washy  
wisp  
wispy  
wist  
wisteria  
wistful  
wit  
witch  
witch doctor  
witch hazel  
witch-hunt  
witchcraft  
witchery  
witches' Sabbath  
witches'-broom  
witching  
witching hour  
witchy  
wite  
witenagemot  
with  
withal  
withdraw  
withdrawal  
withdrawing room
withdrawn
withdrew
withe
wither
witherite
withers
withershins
withhold
withholding tax
within
withindoors
without
withoutdoors
withstand
withy
witless
witting
witness
witness box
witness stand
wits
witted
witticism
witting
wittol
witty
wive
wivern
wives
wizard
wizardly
wizardry
wizen
wizened
wk.
wkly.
wmk.
wo
woad
woaded
woadwaxen
woald
wobble
wobbling
wobbly
wodge
woe
woebegone
woeful
woke
woken
wold
wolf
wolf spider
wolffish
wolfhound
wolfish
wolfram
wolframite
wolfsbane
wollastonite
wolver
wolverine
wolves
woman
woman suffrage
woman-hater
womanhood
womanish
womanize
womanizer
womankind
womanlike
womanly
womb
wombat
women
women's rights
women's room
womenfolk
womera
wommera
won
won ton
wonder
wonder-stricken
wonderful
wondering
wonderland
wonderment
wonderwork
wondrous
wonga-wonga
wonkey
wont
wonted
woo
wood
wood alcohol
wood anemone
wood block
wood coal
wood duck
wood engraving
wood hyacinth
wood ibis
wood lot
wood louse
wood meadow grass
wood mouse
wood nymph
wood pigeon
wood pitch
wood pulp
wood rat
wood sorrel
wood spirit
wood sugar
wood vinegar
wood warbler
woodbine
woodborer
woodchopper
woodchuck
woodcock
woodcraft
woodcut
woodcutter
wooded
wooden
woodenhead
woodenware
woodland
woodman
woodnote
woodpecker
woodpile
woodprint
woodruff
woods
woodshed
woodsia
woodsman
woodsy
woodwaxen
woodwind
woodwork
woodworker
woodworking
woodworm
woody
woody nightshade
wooer
woof
woofer
wool
wool fat
wool stapler
woolfell
woolgathering
woolgrower
woollen
woolly
woolly bear
woolly-headed
woolpack
woolsack
woorali
woozy
wop
word
word association
word association test
word blindness
word class
word deafness
word game
word of honor
word order
word picture
word square
word stress
wordage
wordbook
wording
wordless
wordplay
words
wordsmith
wordy
wore
work
work force
work function
work of art
work on
work over
work sheet
work up
workable
workaday
workbag
workbench
workbook
workday
worked
worker
workhorse
workhouse
working
working capital
working class
working drawing
working girl
working hypothesis
working papers
working substance
workingman
workingwoman
workman
workmanlike
workmanship
workmen's compensation
workmen's compensation insurance
workout
workroom
works
works council
workshop
worktable
workwoman
world
world power
world soul
world spirit
world war
world-beater
world-shaking
world-weary
worldling
worldly
worldly-wise
worldwide
worm
worm gear
worm grass
worm lizard
worm wheel
worm-eaten
wormhole
wormseed
wormwood
wormy
worn
worn-out
worried
worriment
worrisome
worry
worrywart
worse
worsen
worser
worship
worshipful
worst
worsted
wort
worth
worthless
worthwhile
worthy
wot
would
would-be
wouldn’t
wouldst
wound
wounded
woundwort
wove
wove paper
woven
wow
wowser
wrack
wraith
wrangle
wrangler
wrap
wrap up
wraparound
wrapped
wrapper
wrapping
wrasse
wrath
wrathful
wreak
wreath
wreathe
wreck
wreckage
wrecker
wreckfish
wreckful
wrecking bar
wren
wrench
wrest
wrestle
wrestling
wretch
wretched
wrier
wriest
wriggle
wriggler
wriggly
wright
wring
wriinger
wrinkle
wrinkly
wrist
wrist pin
wristband
wristlet
wristwatch
writ
writ of error
write
write off
write out
write-in
write-off
write-up
writer
writer's cramp
writhe
writhe
writing
written
wrong
wrong number
wrong-headed
wrongdoer
wrongdoing
wrongful
wrongheaded
wrongly
wrote
wroth
wrought
wrought iron
wrought-up
wrupt
wry
wryneck
wulfenite
wurst
wyck-elm
wynd
x
x-ray
x-ray therapy
x-ray tube
x-unit
xanthate
xanthin
xanthene
xanthic
xanthic acid
xanthin
xanthine
xantho-
xanthochroid
xanthochroism
xanthophyll
xanthous
xebec
xenia
xeno-
xenocryst
xenogamy
xenogenesis
xenolith
xenomorphic
xenon
xenophobe
xenophobia
xerarch
xeric
xeroderma
xerography
xerophagy
xerophilous
xerophthalmia
xerophyte
xerosere
xerosis
xi
xiphisternum
xiphoid
xylem
xylene
xylidine
xylo-
xylograph
xylography
xyloidy
xylol
xylophagous
xylophone
xylotomous
xylotomy
xyster
y
y.
yabber
yacht
yachting
yachtsman
yackety-yak
yah
yahoo
yak
yakka
yam
yamen
yammer
yank
yap
yapok
yapon
yard
yard goods
yard grass
yardage
yardarm
yardman
yardmaster
yardstick
yare
yarn
yarn-dyed
yarrow
yashmak
yataghan
yappon
yautia
yaw
yawl
yawmeter
yawn
yawning
yawp
yaws
yclept
ye
yea
yeah
yean
yeanling
year
year-round
yearbook
yearling
yearlong
yearly
yearn
yearning
yeast
yeast cake
yeasty
yegg
yeld
yell
yellow
yellow bile
yellow brass
yellow cake
yellow fever
yellow flag
yellow jack
yellow jacket
yellow journalism
yellow metal
yellow peril
yellow poplar
yellow spot
yellow streak
yellow water lily
yellow-green
yellowbird
yellowhammer
yellowish
yellowlegs
yellows
yellowtail
yellowthroat
yellowweed
yellowwood
yelp
yen
yenta
yeoman
yeoman of the guard
yeoman’s service
yeomanly
yeomanry
yep
yes
yes man
yes-man
yeshiva
yester
yester-
yesterday
yesterear
yestreen
yet
yeti
yew
yid
yield
yielding
yip
yippee
yippie
ylang-ylang
ylem
yo-heave-ho
yo-ho
yod
yodel
yodle
yoga
yogh
yoghurt
yogi
yogini
yogurt
yoicks
yoke
yokefellow
yokel
yolk
yon
yonder
yoni
yoo-hoo
yore
you
you're
you've
young
young blood
young lady
young man
young thing
youngling
youngster
younger
your
yours
yours truly
yourself
youth
youth hostel
youthen
youthful
yowl
yrs.
ytterbia
ytterbite
ytterbium
yttria
yttriferous
yttrium
yttrium metal
yuan
yucca
yuk
yulan
yule
yule log
yuletide
yurt
ywis
z
z-axis
z.
zabaglione
zaffer
zaibatsu
zamia
zamindar
zanthoxylum
zany
zap
zapateado
zaratite
zareba
zarf
zarzuela
zayin
zeal
zealot
zealotry
zealous
zebec
zebra
zebra crossing
zebrass
zebrawood
zebu
zecchino
zed
zeedoary
zee
zemstvo
zenana
zenith
zenithal
zeolite
zephyr
zeppelin
zero
zero gravity
zero hour
zest
zestful
zeta
zeugma
zibeline
zibet
zig
zigzag
zigzagger
zillion
zinc
zinc blende
zinc chloride
zinc ointment
zinc oxide
zinc white
zincate
zinciferous
zincograph
zincography
zing
zingaro
zinenite
zinnia
zip
zip code
zip gun
zipper
zippy
zircon
zirconia
zirconium
zither
zizith
zloty
zo-
zoa
zodiac
zodiacal light
zombie
zonal
zonate
zonation
zone
zoning
zonked
zoo
zoo-
zoochemistry
zoochore
zoogeography
zoogloea
zoography
zooid
zool.
zoolatry
zoological garden
zoologist
zoology
zoom
zoom lens
zoometry
zoomorphism
zoon
zoonosis
zoophilia
zoophilous
zoophobia
zoophyte
zooplankton
zooplasty
zoosperm
zoosporangium
zoospore
zoot suit
zootechnics
zootomy
zootoxin
zoril
zoster
zounds
zucchetto
zugzwang
zwieback
zygapophysis
zygo-
zygodactyl
zygoma
zygomatic arch
zygomatic bone
zygomatic process
zygophyllaceous
zygophyte
zygosis
zygospore
zygote
zygotene
zymase
zymo-
zymogen
zymogenesis
zymogenic
zymolysis
zymometer
zymosis
zymotic

Found in path(s):
No license file was found, but licenses were detected in source scan.

License: Public Domain
the Moby project were being placed in the public domain:
been place into the public domain. Use, sell,
You can verify the public domain status by contacting

Found in path(s):

1.895 quartz-backward-compat 2.1.5
1.895.1 Available under license :
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2001-2009 Terracotta, Inc.
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not
 * use this file except in compliance with the License. You may obtain a copy
 * of the License at
 * http://www.apache.org/licenses/LICENSE-2.0
 * Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS, WITHOUT
* WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
* License for the specific language governing permissions and limitations
* under the License.
*
*/

Found in path(s):
* /opt/cola/permits/1136272262_1613726154.16/0/quartz-backward-compat-2-1-5-sources-1-
  jar/org/quartz/DateIntervalTrigger.java
* /opt/cola/permits/1136272262_1613726154.16/0/quartz-backward-compat-2-1-5-sources-1-
  jar/org/quartz/NthIncludedDayTrigger.java

1.896 gnupg 2.2.20 2.el8
1.896.1 Available under license:

LICENSE TERMS

Copyright (c) 2000, Dimitrios Souflis
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

Neither the name of Dimitrios Souflis nor the names of the
contributors may be used to endorse or promote products derived from
this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
"AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR
PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
Here is a list with collected copyright notices. For details see the
description of each individual package. [Compiled by wk 2017-11-07]

GNUPG is

Copyright (C) 1997-2017 Werner Koch
Copyright (C) 1994-2017 Free Software Foundation, Inc.
Copyright (C) 2003-2017 g10 Code GmbH
Copyright (C) 2002 Klarlvdalens Datakonsult AB
Copyright (C) 1995-1997, 2000-2007 Ulrich Drepper <drepper@gnu.ai.mit.edu>
Copyright (C) 1994 X Consortium
Copyright (C) 1998 by The Internet Society.
Copyright (C) 1998-2004 The OpenLDAP Foundation
Copyright (C) 1998-2004 Kurt D. Zeilenga.
Copyright (C) 1998-2004 Net Boolean Incorporated.
Copyright (C) 2001-2004 IBM Corporation.
Copyright (C) 1999-2003 Howard Y.H. Chu.
Copyright (C) 1999-2003 Symas Corporation.
Copyright (C) 1998-2003 Hallvard B. Furuseth.
Copyright (C) 1992-1996 Regents of the University of Michigan.
Copyright (C) 2000 Dimitrios Souflis
Copyright (C) 2008,2009,2010,2012-2016 William Ahern

GnuPG is free software; you can redistribute it and/or modify it
under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 3 of the License, or
(at your option) any later version.

GnuPG is distributed in the hope that it will be useful, but WITHOUT
ANY WARRANTY; without even the implied warranty of MERCHANTABILITY
or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public
License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, see <https://www.gnu.org/licenses/>.

LIBGCRYPT is

Copyright (C) 1989,1991-2017 Free Software Foundation, Inc.
Copyright (C) 1994 X Consortium
Copyright (C) 1996 L. Peter Deutsch
Copyright (C) 1997 Werner Koch
Copyright (C) 1998 The Internet Society
Copyright (C) 1996-1999 Peter Gutmann, Paul Kendall, and Chris Wedgwood
Copyright (C) 1996-2006 Peter Gutmann, Matt Thomlinson and Blake Coverett
Copyright (C) 2003 Nikos Mavroyanopoulos
Copyright (C) 2006-2007 NTT (Nippon Telegraph and Telephone Corporation)
Copyright (C) 2012-2017 g10 Code GmbH
Copyright (C) 2012 Simon Josefsson, Niels Mller
Copyright (c) 2012 Intel Corporation
Copyright (C) 2013 Christian Grothoff
Copyright (C) 2013-2017 Jussi Kivilinna
Copyright (C) 2013-2014 Dmitry Eremin-Solenikov
Copyright (C) 2014 Stephan Mueller
Copyright (C) 2017 Bundesamt fr Sicherheit in der Informationstechnik

Libgcrypt is free software; you can redistribute it and/or modify
it under the terms of the GNU Lesser General Public License as
published by the Free Software Foundation; either version 2.1 of
the License, or (at your option) any later version.

Libgcrypt is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this program; if not, see <http://www.gnu.org/licenses/>.

LIBGPG-ERROR is


libgpg-error is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public License
as published by the Free Software Foundation; either version 2.1 of
the License, or (at your option) any later version.

libgpg-error is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License
along with this program; if not, see <http://www.gnu.org/licenses/>.

LIBASSUAN is

Copyright (C) 1992-2013 Free Software Foundation, Inc.
Copyright (C) 1994 X Consortium
Copyright (C) 2000 Werner Koch (dd9jn)
Copyright (C) 2001-2016 g10 Code GmbH
Copyright (C) 2004 Simon Josefsson

Assuan is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

Assuan is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this program; if not, see <http://www.gnu.org/licenses/>.

LIBKSBA is

Copyright (C) 2000, 2001 Fabio Fiorina

The library and the header files are distributed under the following terms (LGPLv3+/GPLv2+):

KSBA is free software; you can redistribute it and/or modify it under the terms of either

- the GNU Lesser General Public License as published by the Free Software Foundation; either version 3 of the License, or (at your option) any later version.

or

- the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

or both in parallel, as here.

KSBA is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

The other parts (e.g. manual, build system, tests) are distributed under the following terms (GPLv3):
KSBA is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3 of the License, or (at your option) any later version.

KSBA is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

nPth is

Copyright (C) 2011, 2012, 2014, 2015, 2017 g10 Code GmbH

nPth is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

nPth is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this program; if not, see <https://www.gnu.org/licenses/>.

NTBTLS is

Copyright (C) 2006-2014 Brainspark B.V.
Copyright (C) 2014-2017 g10 Code GmbH

NTBTLS is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3 of the License, or (at your option) any later version.

NTBTLS is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, see <http://www.gnu.org/licenses/>.
PINENTRY is

Copyright (C) 1999 Robert Bihlmeyer <robbe@orcus.priv.at>
Copyright (C) 2002, 2008 Klarlvdalens Datakonsult AB (KDAB)
Copyright (C) 2004 by Albrecht Dre <albrecht.dre@arcor.de>
Copyright 2007 Ingo Klcker
Copyright (C) 2014 Serge Voilokov
Copyright (C) 2015 Daiki Ueno
Copyright (C) 2015 Daniel Kahn Gillmor <dkg@fifthhorseman.net>
Copyright 2016 Intevation GmbH

PINENTRY is free software; you can redistribute it and/or modify it
under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

PINENTRY is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, see <https://www.gnu.org/licenses/>.

GPGME is

Copyright (C) 1991-2013 Free Software Foundation, Inc.
Copyright (C) 2000-2001 Werner Koch
Copyright (C) 2001-2017 g10 Code GmbH
Copyright (C) 2002 Klarlvdalens Datakonsult AB
Copyright (C) 2004-2008 Igor Belyi
Copyright (C) 2002 John Goerzen
Copyright (C) 2014, 2015 Martin Albrecht
Copyright (C) 2015 Ben McGinnes
Copyright (C) 2015-2016 Bundesamt für Sicherheit in der Informationstechnik
Copyright (C) 2016 Intevation GmbH

GPGME is free software; you can redistribute it and/or modify it
under the terms of the GNU Lesser General Public License as
published by the Free Software Foundation; either version 2.1 of
the License, or (at your option) any later version.

GPGME is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this program; if not, see <http://www.gnu.org/licenses/>.

NSIS is

Copyright 1999-2009 Nullsoft and Contributors
Copyright 2002-2008 Amir Szekely
Copyright 2003 Ramon

This license applies to everything in the NSIS package, except where otherwise noted.

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

3. This notice may not be removed or altered from any source distribution.

The user interface used with the installer is

Copyright 2002-2009 Joost Verburg

[It is distributed along with NSIS and the same conditions as stated above apply]

TinySCHEME is part of the GnuPG package and is

Copyright (c) 2000, Dimitrios Souflis
All rights reserved.

Redistribution and use in source and binary forms, with or without
Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Dimitrios Souflis nor the names of the contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

LIBDNS is part of the GnuPG package and is

Copyright (c) 2008, 2009, 2010, 2012-2016 William Ahern

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE
USE OR OTHER DEALINGS IN THE SOFTWARE.

ZLIB is

(C) 1995-2013 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

BZIP2 is

This program, "bzip2", the associated library "libbzlib", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

sqlite has been put into the public-domain by its author D. Richard Hipp:
The author disclaims copyright to this source code. In place of a legal notice, here is a blessing:

May you do good and not evil.
May you find forgiveness for yourself and forgive others.
May you share freely, never taking more than you give.
[Note that only a few files are distributed under this license.]

Creative Commons Legal Code

CC0 1.0 Universal

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS DOCUMENT DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER.

Statement of Purpose

The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work").
Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a commons of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon, modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further production of creative, cultural and scientific works, or to gain reputation or greater distribution for their Work in part through the use and efforts of others.

For these and/or other purposes and motivations, and without any expectation of additional consideration or compensation, the person associating CC0 with a Work (the "Affirmer"), to the extent that he or she is an owner of Copyright and Related Rights in the Work, voluntarily elects to apply CC0 to the Work and publicly distribute the Work under its terms, with knowledge of his or her Copyright and Related Rights in the Work and the meaning and intended legal effect of CC0 on those rights.

1. Copyright and Related Rights. A Work made available under CC0 may be protected by copyright and related or neighboring rights ("Copyright and Related Rights"). Copyright and Related Rights include, but are not limited to, the following:

   i. the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;
   ii. moral rights retained by the original author(s) and/or performer(s);
   iii. publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;
   iv. rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;
   v. rights protecting the extraction, dissemination, use and reuse of data in a Work;
   vi. database rights (such as those arising under Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, and under any national implementation thereof, including any amended or successor version of such directive); and
   vii. other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.

2. Waiver. To the greatest extent permitted by, but not in contravention of, applicable law, Affirmer hereby overtly, fully, permanently, irrevocably and unconditionally waives, abandons, and surrenders all of Affirmer's Copyright and Related Rights and associated claims and causes of action, whether now known or unknown (including existing as well as future claims and causes of action), in the Work (i) in all territories
worldwide, (ii) for the maximum duration provided by applicable law or
treaty (including future time extensions), (iii) in any current or future
medium and for any number of copies, and (iv) for any purpose whatsoever,
including without limitation commercial, advertising or promotional
purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each
member of the public at large and to the detriment of Affirmer's heirs and
successors, fully intending that such Waiver shall not be subject to
revocation, rescission, cancellation, termination, or any other legal or
equitable action to disrupt the quiet enjoyment of the Work by the public
as contemplated by Affirmer's express Statement of Purpose.

3. Public License Fallback. Should any part of the Waiver for any reason
be judged legally invalid or ineffective under applicable law, then the
Waiver shall be preserved to the maximum extent permitted taking into
account Affirmer's express Statement of Purpose. In addition, to the
extent the Waiver is so judged Affirmer hereby grants to each affected
person a royalty-free, non transferable, non sublicensable, non exclusive,
irrevocable and unconditional license to exercise Affirmer's Copyright and
Related Rights in the Work (i) in all territories worldwide, (ii) for the
maximum duration provided by applicable law or treaty (including future
time extensions), (iii) in any current or future medium and for any number
of copies, and (iv) for any purpose whatsoever, including without
limitation commercial, advertising or promotional purposes (the
"License"). The License shall be deemed effective as of the date CC0 was
applied by Affirmer to the Work. Should any part of the License for any
reason be judged legally invalid or ineffective under applicable law, such
partial invalidity or ineffectiveness shall not invalidate the remainder
of the License, and in such case Affirmer hereby affirms that he or she
will not (i) exercise any of his or her remaining Copyright and Related
Rights in the Work or (ii) assert any associated claims and causes of
action with respect to the Work, in either case contrary to Affirmer's
express Statement of Purpose.

4. Limitations and Disclaimers.

a. No trademark or patent rights held by Affirmer are waived, abandoned,
surrendered, licensed or otherwise affected by this document.
b. Affirmer offers the Work as-is and makes no representations or
warranties of any kind concerning the Work, express, implied,
statutory or otherwise, including without limitation warranties of
title, merchantability, fitness for a particular purpose, non
infringement, or the absence of latent or other defects, accuracy, or
the present or absence of errors, whether or not discoverable, all to
the greatest extent permissible under applicable law.
c. Affirmer disclaims responsibility for clearing rights of other persons
that may apply to the Work or any use thereof, including without
limitation any person's Copyright and Related Rights in the Work.
Further, Affirmer disclaims responsibility for obtaining any necessary
consents, permissions or other rights required for any use of the Work.

d. Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CC0 or use of the Work.

[Note that only a few files are distributed under this license.]

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.
For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

**GNU LESSER GENERAL PUBLIC LICENSE**

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for
making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full
notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <https://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents.
States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated
conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey,
5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the
Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall
be treated as though they were included in this License, to the extent
that they are valid under applicable law. If additional permissions
apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.
If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.
10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party’s predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent
(such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.
There is no warranty for the program, to the extent permitted by applicable law. Except when otherwise stated in writing the copyright holders and/or other parties provide the program "as is" without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The entire risk as to the quality and performance of the program is with you. Should the program prove defective, you assume the cost of all necessary servicing, repair or correction.

16. Limitation of Liability.

In no event unless required by applicable law or agreed to in writing will any copyright holder, or any other party who modifies and/or conveys the program as permitted above, be liable to you for damages, including any general, special, incidental or consequential damages arising out of the use or inability to use the program (including but not limited to loss of data or data being rendered inaccurate or losses sustained by you or third parties or a failure of the program to operate with any other programs), even if such holder or other party has been advised of the possibility of such damages.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the program, unless a warranty or assumption of liability accompanies a copy of the program in return for a fee.

End of terms and conditions

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <https://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<https://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable
      source code, which must be distributed under the terms of Sections
      1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three
      years, to give any third party, for a charge no more than your
      cost of physically performing source distribution, a complete
      machine-readable copy of the corresponding source code, to be
      distributed under the terms of Sections 1 and 2 above on a medium
      customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
      allowed only for noncommercial distribution and only if you
      received the program in object code or executable form with such
      an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author...
to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.
[Note that only a few files are distributed under this license.]

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <https://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked
Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are
based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the
object code and/or source code for the Application, including any data
and utility programs needed for reproducing the Combined Work from the
Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License
without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a
facility refers to a function or data to be supplied by an Application
that uses the facility (other than as an argument passed when the
facility is invoked), then you may convey a copy of the modified
version:
a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form
suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Library with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncompiled with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncompiled form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

# COPYING.other

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

Copyright (c) 2008, 2009, 2010, 2012-2016  William Ahern

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

* TinySCHEME (tests/gpgscm/LICENSE.TinySCHEME)

Copyright (c) 2000, Dimitrios Souflis

All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Dimitrios Souflis nor the names of the contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.897 ding-libs 1.3.1-39.el8
1.897.1 Available under license :
GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version
of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombinining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.
If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.
For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.
To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid
circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent
works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some
f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.
Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".
A contributor’s "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are
specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General
Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.
The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.898 libmodulemd 1.8.11-4.el8_1
1.898.1 Available under license:
   MIT License

   Copyright (c) 2017-2018 Stephen Gallagher <sgallagh@redhat.com>

   Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

   The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

   THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.899 libxml 2.9.7 8.el8
1.899.1 Available under license:
   Except where otherwise noted in the source code (e.g. the files hash.c, list.c and the trio files, which are covered by a similar licence but with different Copyright notices) all the files are:

   Copyright (C) 1998-2012 Daniel Veillard. All Rights Reserved.

   Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.900 jetty-http 9.4.11.v20180605

1.901 axiom-c14n 1.2.15

1.901.1 Available under license:

   Apache Axiom

   Copyright 2004-2015 The Apache Software Foundation

   This product includes software developed at
   The Apache Software Foundation (http://www.apache.org/).

   Portions Copyright 2006 International Business Machines Corp.

   Apache License
   Version 2.0, January 2004
   http://www.apache.org/licenses/

   TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

   1. Definitions.

      "License" shall mean the terms and conditions for use, reproduction,
      and distribution as defined by Sections 1 through 9 of this document.

      "Licensor" shall mean the copyright owner or entity authorized by
      the copyright owner that is granting the License.

      "Legal Entity" shall mean the union of the acting entity and all
      other entities that control, are controlled by, or are under common
      control with that entity. For the purposes of this definition,
      "control" means (i) the power, direct or indirect, to cause the
      direction or management of such entity, whether by contract or
      otherwise, or (ii) ownership of fifty percent (50%) or more of the
      outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.902 perl-getopt-long 2.50 4.el8

1.902.1 Available under license :

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.
Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.
d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.903 ima-evm-utils 1.1 5.el8
1.903.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in...
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections.
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable
      source code, which must be distributed under the terms of Sections
      1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three
      years, to give any third party, for a charge no more than your
      cost of physically performing source distribution, a complete
      machine-readable copy of the corresponding source code, to be
      distributed under the terms of Sections 1 and 2 above on a medium
      customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer
      to distribute corresponding source code. (This alternative is
      allowed only for noncommercial distribution and only if you
      received the program in object code or executable form with such
      an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.
If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.904 jaxb-api 2.1

1.905 appengine-endpoints 1.9.20

1.905.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as “Not a Contribution.”

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and
The XMLSchema.dtd included in this project was developed by the W3C Consortium (http://www.w3.org/).
Use of the source code, thus licensed, and the resultant binary are subject to the terms and conditions of the following license.

W3C SOFTWARE NOTICE AND LICENSE

This W3C work (including software, documents, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions:

Permission to use, copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications, that you make:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, a short notice of the following form (hypertext is preferred, text is permitted) should be used within the body of any redistributed or derivative code: "Copyright [Date-of-software] World Wide Web Consortium, (Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio University). All Rights Reserved. http://www.w3.org/Consortium/Legal/"
3. Notice of any changes or modifications to the W3C files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS,
TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.906 slf4j-log4j 1.7.30

1.906.1 Available under license:

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
1.907 bzip2 1.0.6 26.el8
1.907.1 Available under license:

------------------------------------------------------------------------
This program, "bzip2", the associated library "libbzip2", and all
documentation, are copyright (C) 1996-2010 Julian R Seward. All
rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.

2. The origin of this software must not be misrepresented; you must
not claim that you wrote the original software. If you use this
software in a product, an acknowledgment in the product
documentation would be appreciated but is not required.

3. Altered source versions must be plainly marked as such, and must
not be misrepresented as being the original software.

4. The name of the author may not be used to endorse or promote
products derived from this software without specific prior written
permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ´AS IS´ AND ANY EXPRESS
OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY
DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE
GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010
1.908 sssd 2.2.3 20.el8

1.908.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked
Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are
based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the
object code and/or source code for the Application, including any data
and utility programs needed for reproducing the Combined Work from the
Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.
You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.
b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.
b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.
TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.
A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains
in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:
a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a
copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.
"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place
additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.
8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an
organization, or substantially all assets of one, or subdividing an
organization, or merging organizations. If propagation of a covered
work results from an entity transaction, each party to that
transaction who receives a copy of the work also receives whatever licenses to the work the party’s predecessor in interest had or could
give under the previous paragraph, plus a right to possession of the
Corresponding Source of the work from the predecessor in interest, if
the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the
rights granted or affirmed under this License. For example, you may
not impose a license fee, royalty, or other charge for exercise of
rights granted under this License, and you may not initiate litigation
(including a cross-claim or counterclaim in a lawsuit) alleging that
any patent claim is infringed by making, using, selling, offering for
sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The
work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims
owned or controlled by the contributor, whether already acquired or
hereafter acquired, that would be infringed by some manner, permitted
by this License, of making, using, or selling its contributor version,
but do not include claims that would be infringed only as a
consequence of further modification of the contributor version. For
purposes of this definition, "control" includes the right to grant
patent sublicenses in a manner consistent with the requirements of
this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free
patent license under the contributor's essential patent claims, to
make, use, sell, offer for sale, import and otherwise run, modify and
propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express
agreement or commitment, however denominated, not to enforce a patent
(such as an express permission to practice a patent or covenant not to
sue for patent infringement). To "grant" such a patent license to a
party means to make such an agreement or commitment not to enforce a
patent against the party.

If you convey a covered work, knowingly relying on a patent license,
and the Corresponding Source of the work is not available for anyone
to copy, free of charge and under the terms of this License, through a
publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this
License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.
You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.909 jersey-container-servlet-core 2.26

1.910 bc 1.07.1 5.el8

1.910.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions.
of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the
extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source
form of a work.

A "Standard Interface" means an interface that either is an official
standard defined by a recognized standards body, or, in the case of
interfaces specified for a particular programming language, one that
is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.
All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all
recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:
a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions.
Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms
of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do
not accept this License. Therefore, by modifying or propagating a
covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically
receives a license from the original licensors, to run, modify and
propagate that work, subject to this License. You are not responsible
for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an
organization, or substantially all assets of one, or subdividing an
organization, or merging organizations. If propagation of a covered
work results from an entity transaction, each party to that
transaction who receives a copy of the work also receives whatever
licenses to the work the party's predecessor in interest had or could
give under the previous paragraph, plus a right to possession of the
Corresponding Source of the work from the predecessor in interest, if
the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the
rights granted or affirmed under this License. For example, you may
not impose a license fee, royalty, or other charge for exercise of
rights granted under this License, and you may not initiate litigation
(including a cross-claim or counterclaim in a lawsuit) alleging that
any patent claim is infringed by making, using, selling, offering for
sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The
work thus licensed is called the contributor's "contributor version”.

A contributor's "essential patent claims" are all patent claims
owned or controlled by the contributor, whether already acquired or
hereafter acquired, that would be infringed by some manner, permitted
by this License, of making, using, or selling its contributor version,
but do not include claims that would be infringed only as a
consequence of further modification of the contributor version. For
purposes of this definition, "control" includes the right to grant
patent sublicenses in a manner consistent with the requirements of
this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free
patent license under the contributor's essential patent claims, to
make, use, sell, offer for sale, import and otherwise run, modify and
propagate the contents of its contributor version.
In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a
15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program.  If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the
function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of
the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version
of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

1.911 rpcbind 1.2.5 4.el8
1.911.1 Available under license:

/*
 * Copyright (c) Copyright (c) Bull S.A. 2005 All Rights Reserved.
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 * 3. The name of the author may not be used to endorse or promote products
 *    derived from this software without specific prior written permission.
 * *
 * THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR
 * IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
 * IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
 * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
 * NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
 * DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */

1.912 xml-pull 1.1.3.1
1.912.1 Available under license:
Public Domain
http://www.xmlpull.org/v1/download/unpacked/LICENSE.txt

1.913 p11-kit 0.23.14 5.el8_0
1.913.1 Available under license:
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* The names of contributors to this software may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.914 commons-lang3 2.6
1.914.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License.
Apache Commons Lang
Copyright 2001-2011 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

1.915 saaj-api 1.3
1.915.1 Available under license:

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)
Version 1.0

* 

1. Definitions.

1.1. ?Contributor? means each individual or entity that creates or contributes to the creation of Modifications.

1.2. ?Contributor Version? means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. ?Covered Software? means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. ?Executable? means the Covered Software in any form other than Source Code.

1.5. ?Initial Developer? means the individual or entity that first makes Original Software available under this License.

1.6. ?Larger Work? means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. ?License? means this document.

1.8. ?Licensable? means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.
1.9. "Modifications? means the Source Code and Executable form of any of the following:

+ A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

+ B. Any new file that contains any part of the Original Software or previous Modification; or

+ C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. "Original Software? means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. "Patent Claims? means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. "Source Code? means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. "You? (or ?Your?) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, ?You? includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, ?control? means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

+ (a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and
(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of
this License and distribute the Larger Work as a single product. In such a case, You must make sure the
requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this
License from time to time. Each version will be given a distinguishing version number. Except as provided in
Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the
terms of the version of the License under which You originally received the Covered Software. If the Initial
Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made
available under any subsequent version of the License, You must distribute and make the Covered Software
available under the terms of the version of the License under which You originally received the Covered Software.
Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the
terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You
may create and use a modified version of this License if You: (a) rename the license and remove any references to
the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it
clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT
WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION,
WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A
PARTicular PURPOSE OR NON-INFRINGING. THE ENTIRE RISK AS TO THE QUALITY AND
PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE
PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER
CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION.
THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE
OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.
6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as ?Participant?) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY?S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

supersedes any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction’s conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys’ fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

1.916 iprutils 2.4.18.1 1.el8

1.916.1 Available under license:
Common Public License Version 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE (“AGREEMENT”). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

“Contribution” means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and
ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor’s behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor” means any person or entity that distributes the Program.

"Licensed Patents ” mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

“Program” means the Contributions distributed in accordance with this Agreement.

"Recipient” means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby
assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION
Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must:
a) promptly notify the Commercial Contributor in writing of such claim, and  
b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY
CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions)
under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

1.917 commons-cli 1.3.1

1.917.1 Available under license:
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
    Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
    stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
    that You distribute, all copyright, patent, trademark, and
    attribution notices from the Source form of the Work,
    excluding those notices that do not pertain to any part of
    the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.
5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Apache Commons CLI
Copyright 2001-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

**1.918 glib 2.56.4-7.el8**

**1.918.1 Available under license :**

This work may be reproduced and distributed in whole or in part, in any medium, physical or electronic, so as long as this copyright notice remains intact and unchanged on all copies. Commercial redistribution is permitted and encouraged, but you may not redistribute, in whole or in part, under terms more restrictive than those under which you received it. If you redistribute a modified or translated version of this work, you must also make the source code to the modified or translated version available in electronic form without charge. However, mere aggregation as part of a larger work shall not count as a modification for this purpose.

All code examples in this work are placed into the public domain, and may be used, modified and redistributed without restriction.
BECAUSE THIS WORK IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE WORK, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE WORK "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. SHOULD THE WORK PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY REPAIR OR CORRECTION.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE WORK AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
WORK, EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

PCRE LICENCE

Please see the file LICENCE in the PCRE distribution for licensing details.

End

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.
When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".
A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above,

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
1.919 ant 1.10.9
1.919.1 Available under license:
/*
 * Apache License
 * Version 2.0, January 2004
 * http://www.apache.org/licenses/
 *
 * TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
 *
 * 1. Definitions.
 *
 * "License" shall mean the terms and conditions for use, reproduction,
 * and distribution as defined by Sections 1 through 9 of this document.
 *
 * "Licensor" shall mean the copyright owner or entity authorized by
 * the copyright owner that is granting the License.
 *
 * "Legal Entity" shall mean the union of the acting entity and all
 * other entities that control, are controlled by, or are under common
 * control with that entity. For the purposes of this definition,
 * "control" means (i) the power, direct or indirect, to cause the
 * direction or management of such entity, whether by contract or
 * otherwise, or (ii) ownership of fifty percent (50%) or more of the
 * outstanding shares, or (iii) beneficial ownership of such entity.
 *
 * "You" (or "Your") shall mean an individual or Legal Entity
 * exercising permissions granted by this License.
 *
 * "Source" form shall mean the preferred form for making modifications,
 * including but not limited to software source code, documentation
 * source, and configuration files.
 *
 * "Object" form shall mean any form resulting from mechanical
 * transformation or translation of a Source form, including but
 * not limited to compiled object code, generated documentation,
 * and conversions to other media types.
 *
 * "Work" shall mean the work of authorship, whether in Source or
 * Object form, made available under the License, as indicated by a
 * copyright notice that is included in or attached to the work
 * (an example is provided in the Appendix below).
 *
 * "Derivative Works" shall mean any work, whether in Source or Object
 * form, that is based on (or derived from) the Work and for which the
 * editorial revisions, annotations, elaborations, or other modifications
 * represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.
Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

https://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

W3C SOFTWARE NOTICE AND LICENSE
https://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This work (and included software, documentation such as READMEs, or other
related items) is being provided by the copyright holders under the following
license. By obtaining, using and/or copying this work, you (the licensee) agree
that you have read, understood, and will comply with the following terms and
conditions.

Permission to copy, modify, and distribute this software and its documentation,
with or without modification, for any purpose and without fee or royalty is
hereby granted, provided that you include the following on ALL copies of the
software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the
   redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms
   and conditions. If none exist, the W3C Software Short Notice should be
   included (hypertext is preferred, text is permitted) within the body
   of any redistributed or derivative code.
3. Notice of any changes or modifications to the files, including the date
   changes were made. (We recommend you provide URIs to the location from
   which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE
NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED
TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT
THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY
PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.
The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <site-policy@w3.org>

This license came from: http://www.megginson.com/SAX/copying.html
However please note future versions of SAX may be covered under http://saxproject.org/?selected=pd

SAX2 is Free!

I hereby abandon any property rights to SAX 2.0 (the Simple API for XML), and release all of the SAX 2.0 source code, compiled code, and documentation contained in this distribution into the Public Domain. SAX comes with NO WARRANTY or guarantee of fitness for any purpose.

David Megginson, david@megginson.com
2000-05-05
Apache Ant
Copyright 1999-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (https://www.apache.org/).

The <sync> task is based on code Copyright (c) 2002, Landmark Graphics Corp that has been kindly donated to the Apache Software Foundation.
1.920 libxau 1.0.8 13.el8

1.920.1 Available under license:
Copyright 1988, 1993, 1994, 1998 The Open Group

Permission to use, copy, modify, distribute, and sell this software and its
documentation for any purpose is hereby granted without fee, provided that
the above copyright notice appear in all copies and that both that
copyright notice and this permission notice appear in supporting
documentation.

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
OPEN GROUP BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN
AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of The Open Group shall not be
used in advertising or otherwise to promote the sale, use or other dealings
in this Software without prior written authorization from The Open Group.

1.921 ojdbc 11.1.0.7.0

1.921.1 Available under license:
No license file was found, but licenses were detected in source scan.

# or the Oracle proprietary type oracle.xdb.XMLType.

Found in path(s):
* /opt/cola/permits/10064665523_1607974985.20/jar-files-2-1-3-7-0-2-0-4-0.jar/oracle/jdbc/defaultConnectionProperties.properties
Oracle Technology Network Development and Distribution License Terms
http://www.oracle.com/technology/software/popup-license/distribution-license.html
Export Controls on the Programs
Selecting the "Accept License Agreement" button is a confirmation of your agreement that you comply, now and
during the trial term, with each of the following statements:

-You are not a citizen, national, or resident of, and are not under control of, the government of Cuba, Iran, Sudan,
Libya, North Korea, Syria, nor any country to which the United States has prohibited export.
-You will not download or otherwise export or re-export the Programs, directly or indirectly, to the above mentioned
countries nor to citizens, nationals or residents of those countries.
-You are not listed on the United States Department of Treasury lists of Specially Designated Nationals, Specially
Designated Terrorists, and Specially Designated Narcotic Traffickers, nor are you listed on the United States Department of Commerce Table of Denial Orders.

You will not download or otherwise export or re-export the Programs, directly or indirectly, to persons on the above mentioned lists.

You will not use the Programs for, and will not allow the Programs to be used for, any purposes prohibited by United States law, including, without limitation, for the development, design, manufacture or production of nuclear, chemical or biological weapons of mass destruction.

EXPORT RESTRICTIONS
You agree that U.S. export control laws and other applicable export and import laws govern your use of the programs, including technical data; additional information can be found on Oracle’s Global Trade Compliance website (http://www.oracle.com/products/export).

You agree that neither the programs nor any direct product thereof will be exported, directly, or indirectly, in violation of these laws, or will be used for any purpose prohibited by these laws including, without limitation, nuclear, chemical, or biological weapons proliferation.

Oracle Employees: Under no circumstances are Oracle Employees authorized to download software for the purpose of distributing it to customers. Oracle products are available to employees for internal use or demonstration purposes only. In keeping with Oracle’s trade compliance obligations under U.S. and applicable multilateral law, failure to comply with this policy could result in disciplinary action up to and including termination.

Note: You are bound by the Oracle Technology Network ("OTN") License Agreement terms. The OTN License Agreement terms also apply to all updates you receive under your Technology Track subscription.

The OTN License Agreement terms below supercede any shrinkwrap license on the OTN Technology Track software CDs and previous OTN License terms (including the Oracle Program License as modified by the OTN Program Use Certificate).

Oracle Technology Network Development and Distribution License Agreement

"We," "us," and "our" refers to Oracle USA, Inc., for and on behalf of itself and its subsidiaries and affiliates under common control. "You" and "your" refers to the individual or entity that wishes to use the programs from Oracle. "Programs" refers to the software product you wish to download and use and program documentation. "License" refers to your right to use the programs under the terms of this agreement. This agreement is governed by the substantive and procedural laws of California. You and Oracle agree to submit to the exclusive jurisdiction of, and venue in, the courts of San Francisco, San Mateo, or Santa Clara counties in California in any dispute arising out of or relating to this agreement.

We are willing to license the programs to you only upon the condition that you accept all of the terms contained in this agreement. Read the terms carefully and select the "Accept" button at the bottom of the page to confirm your acceptance. If you are not willing to be bound by these terms, select the "Do Not Accept" button and the registration process will not continue.

License Rights
We grant you a nonexclusive, nontransferable limited license to use the programs: (a) for purposes of developing,
testing, prototyping and running applications you have developed for your own internal data processing operations; (b) to distribute the programs with applications you have developed to your customers provided that each such licensee agrees to license terms consistent with the terms of this Agreement, you do not charge your end users any additional fees for the use of the programs, and your end users may only use the programs to run your applications for their own business operations; and (c) to use the programs to provide third party demonstrations and training. You are not permitted to use the programs for any purpose other than as permitted under this Agreement. If you want to use the programs for any purpose other than as expressly permitted under this agreement you must contact us, or an Oracle reseller, to obtain the appropriate license. We may audit your use and distribution of the programs. Program documentation is either shipped with the programs, or documentation may accessed online at http://otn.oracle.com/docs.

Ownership and Restrictions
We retain all ownership and intellectual property rights in the programs. You may make a sufficient number of copies of the programs for the licensed use and one copy of the programs for backup purposes.

You may not:
- use the programs for any purpose other than as provided above;
- distribute the programs unless accompanied with your applications;
- charge your end users for use of the programs;
- remove or modify any program markings or any notice of our proprietary rights;
- use the programs to provide third party training on the content and/or functionality of the programs, except for training your licensed users;
- assign this agreement or give the programs, program access or an interest in the programs to any individual or entity except as provided under this agreement;
- cause or permit reverse engineering (unless required by law for interoperability), disassembly or decompilation of the programs;
- disclose results of any program benchmark tests without our prior consent.

Program Distribution
We grant you a nonexclusive, nontransferable right to copy and distribute the programs to your end users provided that you do not charge your end users for use of the programs and provided your end users may only use the programs to run your applications for their business operations. Prior to distributing the programs you shall require your end users to execute an agreement binding them to terms consistent with those contained in this section and the sections of this agreement entitled "License Rights," "Ownership and Restrictions," "Export," "Disclaimer of Warranties and Exclusive Remedies," "No Technical Support," "End of Agreement," "Relationship Between the Parties," and "Open Source." You must also include a provision stating that your end users shall have no right to distribute the programs, and a provision specifying us as a third party beneficiary of the agreement. You are responsible for obtaining these agreements with your end users.

You agree to: (a) defend and indemnify us against all claims and damages caused by your distribution of the programs in breach of this agreements and/or failure to include the required contractual provisions in your end user agreement as stated above; (b) keep executed end user agreements and records of end user information including
name, address, date of distribution and identity of programs distributed; (c) allow us to inspect your end user agreements and records upon request; and, (d) enforce the terms of your end user agreements so as to effect a timely cure of any end user breach, and to notify us of any breach of the terms.

Export
You agree that U.S. export control laws and other applicable export and import laws govern your use of the programs, including technical data; additional information can be found on Oracle's Global Trade Compliance web site located at http://www.oracle.com/products/export/index.html?content.html. You agree that neither the programs nor any direct product thereof will be exported, directly, or indirectly, in violation of these laws, or will be used for any purpose prohibited by these laws including, without limitation, nuclear, chemical, or biological weapons proliferation.

Disclaimer of Warranty and Exclusive Remedies

THE PROGRAMS ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. WE FURTHER DISCLAIM ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT.

IN NO EVENT SHALL WE BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS, REVENUE, DATA OR DATA USE, INCURRED BY YOU OR ANY THIRD PARTY, WHETHER IN AN ACTION IN CONTRACT OR TORT, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. OUR ENTIRE LIABILITY FOR DAMAGES HEREUNDER SHALL IN NO EVENT EXCEED ONE THOUSAND DOLLARS (U.S. $1,000).

No Technical Support
Our technical support organization will not provide technical support, phone support, or updates to you for the programs licensed under this agreement.

Restricted Rights
If you distribute a license to the United States government, the programs, including documentation, shall be considered commercial computer software and you will place a legend, in addition to applicable copyright notices, on the documentation, and on the media label, substantially similar to the following:
NOTICE OF RESTRICTED RIGHTS
'Programs delivered subject to the DOD FAR Supplement are 'commercial computer software' and use, duplication, and disclosure of the programs, including documentation, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement. Otherwise, programs delivered subject to the Federal Acquisition Regulations are 'restricted computer software' and use, duplication, and disclosure of the programs, including documentation, shall be subject to the restrictions in FAR 52.227-19, Commercial Computer Software-Restricted Rights (June 1987). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.'

End of Agreement
You may terminate this agreement by destroying all copies of the programs. We have the right to terminate your right to use the programs if you fail to comply with any of the terms of this agreement, in which case you shall destroy all copies of the programs.

Relationship Between the Parties
The relationship between you and us is that of licensee/licensor. Neither party will represent that it has any authority
to assume or create any obligation, express or implied, on behalf of the other party, nor to represent the other party
as agent, employee, franchisee, or in any other capacity. Nothing in this agreement shall be construed to limit either
party’s right to independently develop or distribute software that is functionally similar to the other party’s products,
so long as proprietary information of the other party is not included in such software.

Open Source
"Open Source" software - software available without charge for use, modification and distribution - is often licensed
under terms that require the user to make the user's modifications to the Open Source software or any software that
the user 'combines' with the Open Source software freely available in source code form. If you use Open Source
software in conjunction with the programs, you must ensure that your use does not: (i) create, or purport to create,
obligations of us with respect to the Oracle programs; or (ii) grant, or purport to grant, to any third party any rights
to or immunities under our intellectual property or proprietary rights in the Oracle programs. For example, you may
not develop a software program using an Oracle program and an Open Source program where such use results in a
program file(s) that contains code from both the Oracle program and the Open Source program (including without
limitation libraries) if the Open Source program is licensed under a license that requires any "modifications" be
made freely available. You also may not combine the Oracle program with programs licensed under the GNU
General Public License ("GPL") in any manner that could cause, or could be interpreted or asserted to cause, the
Oracle program or any modifications thereto to become subject to the terms of the GPL.

Entire Agreement
You agree that this agreement is the complete agreement for the programs and licenses, and this agreement
supersedes all prior or contemporaneous agreements or representations. If any term of this agreement is found to be
invalid or unenforceable, the remaining provisions will remain effective.

Last updated: 01/24/08

Should you have any questions concerning this License Agreement, or if you desire to contact Oracle for any reason,
please write:
Oracle USA, Inc.
500 Oracle Parkway,
Redwood City, CA 94065

Oracle may contact you to ask if you had a satisfactory experience installing and using this OTN software download.

1.922 tomcat-embed-logging-juli 8.5.2
1.922.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
Apache Tomcat
Copyright 1999-2016 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

1.923 spring-context 4.3.30.RELEASE
1.923.1 Available under license :
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2015 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License);
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * *
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/validation/support/BindingAwareModelMap.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/format/number/money/Jsr354NumberFormatAnnotationFormatterFactory.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/format/datetime/standard/PeriodFormatter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/scripting/support/StandardScriptEvalException.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/jmx/export/annotation/ManagedOperationParameters.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/ApplicationEvent.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/scheduling/concurrent/ScheduledExecutorFactoryBean.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-

Open Source Used In CSPC_Collector 2.9.1  26503
Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4.3.30-release-sources-1-
jar/org/springframework/cache/interceptor/CacheOperationInvoker.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2016 the original author or authors.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* * https://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
/**
* Abstract the invocation of a cache operation.
* *
* Does not provide a way to transmit checked exceptions but
* provide a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
* *
* @author Stephane Nicoll
* @since 4.1
*/

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4.3.30-release-sources-1-
jar/org/springframework/format/datetime/standard/DurationFormatter.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2013 the original author or authors.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* * https://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/format/datetime/joda/JodaTimeContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/remoting/rmi/RmiRegistryFactoryBean.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/ejb/interceptor/SpringBeanAutowiringInterceptor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/Lazy.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/ProfileCondition.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/i18n/LocaleContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/i18n/SimpleTimeZoneAwareLocaleContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/instrument/classloading/jboss/JBossMCAdapter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/scheduling/config/CronTask.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/scheduling/config/ScheduledTasksBeanDefinitionParser.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/scheduling/SchedulingTaskExecutor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/format/datetime/joda/DateTimeFormatterFactory.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/format/datetime/joda/LocalDateTimeParser.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/support/StaticApplicationContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/format/datetime/joda/DateTimeFormatterFactoryBean.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/format/datetime/joda/ReadableInstantPrinter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/scripting/support/ResourceScriptSource.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/remoting/rmi/JndiRmiClientInterceptor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/annotation/FilterType.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/support/i18n/SimpleLocaleContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/annotation/ScopedProxyMode.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/scheduling/support/MethodInvokingRunnable.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/scripting/ScriptFactory.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/scheduling/support/SimpleTriggerContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/scheduling/support/TaskUtils.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/annotation/Description.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/support/MessageSourceResourceBundle.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/annotation/DeferredImportSelector.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/format/datetime/joda/ReadablePartialPrinter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/i18n/TimeZoneAwareLocaleContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/annotation/ConfigurationMethod.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/ui/ModelMap.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/scheduling/config/IntervalTask.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/support/TimeZoneAwareLocaleContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/format/datetime/joda/ReadablePartialPrinter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/annotation/ConfigurationMethod.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/validation/beanvalidation/OptionalValidatorFactoryBean.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2006 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/validation/MapBindingResult.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2009 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/ScopedProxyCreator.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/jmx/export/MBeanExportOperations.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/LifecycleProcessor.java
No license file was found, but licenses were detected in source scan.
/**
 * Copyright 2002-2014 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

/**
 * {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}
 * reference through WebSphere's proprietary {@code AdminServiceFactory} API,
 * available on WebSphere 5.1 and higher.
 *
 * <p>Exposes the{@code MBeanServer} for bean references.
 * This FactoryBean is a direct alternative to {@link MBeanServerFactoryBean},
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 * <p>See the javadocs for WebSphere's
 *
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
 */

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java
No license file was found, but licenses were detected in source scan.

/**
 * Copyright 2002-2020 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *   https://www.apache.org/licenses/LICENSE-2.0

Open Source Used In CSPC_Collector 2.9.1 26510
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/jmx/export/metadata/AbstractJmxAttribute.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/scheduling/concurrent/ConcurrentTaskExecutor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/ConfigurableApplicationContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/ConfigurationClassParser.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/cache/support/NoOpCacheManager.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/scheduling/concurrent/DefaultManagedTaskExecutor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/cache/support/AbstractValueAdaptingCache.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/LoadTimeWeavingConfiguration.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/ContextAnnotationAutoWireCandidateResolver.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/scheduling/concurrent/ThreadPoolTaskExecutor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/DateTimeFormat.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/PropertySource.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/cache/interceptor/CacheAspectSupport.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/ImportSelector.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/jdb/config/AbstractIndiLocatingBeanDefinitionParser.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/MBeanExportConfiguration.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/AutoProxyRegistrar.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/support/AbstractRefreshableApplicationContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/support/NoOpCache.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2005 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * *
 *   https://www.apache.org/licenses/LICENSE-2.0
 * *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
   jar/org/springframework/jmx/export/metadata/ManagedOperation.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2010 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * *
 *   https://www.apache.org/licenses/LICENSE-2.0
 * *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
   jar/org/springframework/context/support/FileSystemXmlApplicationContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
   jar/org/springframework/context/support/StaticMessageSource.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
   jar/org/springframework/context/support/StaticMessageSource.java
jar/org/springframework/jndi/JndiLocatorSupport.java
*/opt/cola/permits/1137268674_1614043171.91/0/spring-context-4.3.30-release-sources-1-jar/org/springframework/context/support/ClassPathXmlApplicationContext.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2017 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
/**
 * Indicates that a component is only eligible for registration when all
 * [@linkplain #value specified conditions] match.
 *
 * A <em>condition</em> is any state that can be determined programmatically
 * before the bean definition is due to be registered (see [@link Condition] for details).
 *
 * The {[@code @Conditional]} annotation may be used in any of the following ways:
 * <ul>
 * <li>as a type-level annotation on any class directly or indirectly annotated with
 * {[@code @Component]}, including {[@link Configuration @Configuration]} classes</li>
 * <li>as a meta-annotation, for the purpose of composing custom stereotype
 * annotations</li>
 * <li>as a method-level annotation on any {[@link Bean @Bean]} method</li>
 * </ul>
 *
 * If a {[@code @Configuration]} class is marked with {[@code @Conditional]},
 * all of the {[@code @Bean]} methods, {[@link Import @Import]} annotations, and
 * {[@link ComponentScan @ComponentScan]} annotations associated with that
 * class will be subject to the conditions.
 *
 * NOTE: Inheritance of {[@code @Conditional]} annotations
 * is not supported; any conditions from superclasses or from overridden
 * methods will not be considered. In order to enforce these semantics,
 * {[@code @Conditional]} itself is not declared as
 * {[@link java.lang.annotation.Inherited @Inherited]; furthermore, any
 * custom <em>composed annotation</em> that is meta-annotated with
 * {[@code @Conditional]} must not be declared as {[@code @Inherited]}.
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/Conditional.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2016 the original author or authors.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/Import.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/support/ApplicationContextAwareProcessor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/scheduling/annotation/AsyncAnnotationBeanPostProcessor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/scheduling/annotation/EnableScheduling.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/jndi/JndiLocatorDelegate.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/config/PropertyPlaceholderBeanDefinitionParser.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/support/ConversionServiceFactoryBean.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/scheduling/annotation/Async.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/AnnotationScopeMetadataResolver.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
jar/org/springframework/scripting/bsh/BshScriptFactory.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/config/PropertyOverrideBeanDefinitionParser.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/AnnotatedBeanDefinitionReader.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/AspectJAutoProxyRegistrar.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/scripting/config/ScriptingDefaultsParser.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/scripting/config/ScheduledTask.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/ClassPathBeanDefinitionScanner.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/support/GenericApplicationContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/config/AbstractPropertyLoadingBeanDefinitionParser.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/config/LoadTimeWeaverBeanDefinitionParser.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/scripting/config/AnnotationAsyncExecutionInterceptor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/ComponentScan.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/support/GenericXmlApplicationContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/CommonAnnotationBeanPostProcessor.java

No license file was found, but licenses were detected in source scan.

/
* Copyright 2002-2018 the original author or authors.
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* https://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/cache/annotation/AnnotationCacheOperationSource.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/annotation/AdviceModeImportSelector.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/cache/interceptor/AbstractFallbackCacheOperationSource.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/event/SmartApplicationListener.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/validation/AbstractErrors.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/annotation/EnableAspectJAutoProxy.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/support/DefaultLifecycleProcessor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/annotation/AnnotationConfigUtils.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/jmx/support/JmxUtils.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/Lifecycle.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/cache/config/AnnotationDrivenCacheBeanDefinitionParser.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/annotation/AnnotationConfigApplicationContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/jmx/support/JmxUtils.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/jmx/export/MBeanExporter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/validation/DefaultBindingErrorProcessor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1.jar/validation/BindingResult.java

**Open Source Used In CSPC_Collector 2.9.1 26518**
* /opt/cola/permits/1137268674_1614043171.91/l/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/support/AbstractMessageSource.java
* /opt/cola/permits/1137268674_1614043171.91/l/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/annotation/Scope.java
* /opt/cola/permits/1137268674_1614043171.91/l/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/annotation/CachingConfigurerSupport.java
* /opt/cola/permits/1137268674_1614043171.91/l/spring-context-4-3-30-release-sources-1.jar/org/springframework/jmx/export/assembler/AbstractReflectiveMBeanInfoAssembler.java
* /opt/cola/permits/1137268674_1614043171.91/l/spring-context-4-3-30-release-sources-1.jar/org/springframework/remoting/support/RemoteInvocationBasedExporter.java
* /opt/cola/permits/1137268674_1614043171.91/l/spring-context-4-3-30-release-sources-1.jar/org/springframework/cache/interceptor/VariableNotAvailableException.java
* /opt/cola/permits/1137268674_1614043171.91/l/spring-context-4-3-30-release-sources-1.jar/org/springframework/remoting/rmi/RmiServiceExporter.java
* /opt/cola/permits/1137268674_1614043171.91/l/spring-context-4-3-30-release-sources-1.jar/org/springframework/cache/annotation/SpringCacheAnnotationParser.java
* /opt/cola/permits/1137268674_1614043171.91/l/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/weaving/DefaultContextLoadTimeWeaver.java
* /opt/cola/permits/1137268674_1614043171.91/l/spring-context-4-3-30-release-sources-1.jar/org/springframework/context/event/EventListenerMethodProcessor.java
* /opt/cola/permits/1137268674_1614043171.91/l/spring-context-4-3-30-release-sources-1.jar/org/springframework/scheduling/annotation/EnableAsync.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2017 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/Bean.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/jmx/export/assembler/InterfaceBasedMBeanInfoAssembler.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/jmx/support/MetricType.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/jmx/export/metadata/JmxMetadataUtils.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/scripting/jruby/JRubyScriptFactory.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/event/EventPublicationInterceptor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/instrument/classloading/tomcat/TomcatLoadTimeWeaver.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/validation/DefaultMessageCodesResolver.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/scripting/jruby/JRubyScriptUtils.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/event/GenericApplicationListenerAdapter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/instrument/classloading/webshere/WebSphereClassLoaderAdapter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/validation/beanvalidation/MethodValidationPostProcessor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/scripting/jruby/JRubyScriptUtils.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/event/GenericApplicationListenerAdapter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/scripting/jruby/JRubyScriptUtils.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/event/GenericApplicationListenerAdapter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/scripting/jruby/JRubyScriptUtils.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/event/GenericApplicationListenerAdapter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/scripting/jruby/JRubyScriptUtils.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/event/GenericApplicationListenerAdapter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2007 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * *
 *   https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
*/
/* Copyright 2002-2011 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * *
 *   https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/ApplicationContextInitializer.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/ImportAware.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/BeanMethod.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/ApplicationEventPublisherAware.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/MessageSourceAware.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2014 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/format/datetime/standard/TemporalAccessorPrinter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/scheduling/config/ContextLifecycleScheduledTaskRegistrar.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/remoting/support/RemoteInvocation.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/validation/ValidationUtils.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/cache/interceptor/CacheOperationInvocationContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/cache/interceptor/SimpleKeyGenerator.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/remoting/support/SimpleHttpServerFactoryBean.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/support/AbstractRefreshableConfigApplicationContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/AnnotationConfigRegistry.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/format/datetime/joda/JodaTimeConverters.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/ApplicationContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/instrument/classloading/SimpleThrowawayClassLoader.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/ConditionEvaluator.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/support/GenericGroovyApplicationContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/cache/interceptor/SimpleOperation.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/format/support/FormattingConversionServiceFactoryBean.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/expression/BeanFactoryAccessor.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2019 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 */
* See the License for the specific language governing permissions and
  * limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/MessageSource.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/event/ApplicationListenerMethodAdapter.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/annotation/ImportBeanDefinitionRegistrar.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/support/ReloadableResourceBundleMessageSource.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/CacheOperationSource.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/support/ResourceBundleMessageSource.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/support/AbstractApplicationContext.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/context/support/DefaultMessageSourceResolvable.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/scripting/support/StandardScriptFactory.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/cache/support/AbstractCacheManager.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/cache/support/DefaultMessageSourceResolvable.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-jar/org/springframework/cache/support/AbstractCacheManager.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2008 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * https://www.apache.org/licenses/LICENSE-2.0
 */
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/context/config/MBeanServerBeanDefinitionParser.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/remoting/RemoteAccessException.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/jmx/export/assembler/AbstractConfigurableMBeanInfoAssembler.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2012 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *     https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/scheduling/concurrent/ReschedulingRunnable.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/ui/context/ThemeSource.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/scheduling/SchedulingAwareRunnable.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/remoting/support/DefaultRemoteInvocationExecutor.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/jmx/export/naming/MetadataNamingStrategy.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/ui/context/support/DelegatingThemeSource.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
  jar/org/springframework/format/Parser.java
* /opt/cola/permits/1137268674_1614043171.91/0/spring-context-4-3-30-release-sources-1-
1.924.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.925 tomcat-extras-juli 8.0.23
1.925.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Apache Tomcat
Copyright 1999-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

1.926 asm 6.2
1.926.1 Available under license :
No license file was found, but licenses were detected in source scan.

2011 INRIA, France Telecom
* All rights reserved.
* Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
* 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.

Found in path(s):
* /opt/cola/permits/1136271845_1613725797.91/0/asm-6-2-sources-3.jar/org/objectweb/asm/signature/package.html
* /opt/cola/permits/1136271845_1613725797.91/0/asm-6-2-sources-3.jar/org/objectweb/asm/package.html

No license file was found, but licenses were detected in source scan.

// All rights reserved.
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions
// are met:
// 1. Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
// 2. Redistributions in binary form must reproduce the above copyright
// notice, this list of conditions and the following disclaimer in the
// documentation and/or other materials provided with the distribution.
// 3. Neither the name of the copyright holders nor the names of its
// this software without specific prior written permission.

Found in path(s):
* /opt/cola/permits/1136271845_1613725797.91/0/asm-6-2-sources-3.jar/org/objectweb/asm/Handler.java
* /opt/cola/permits/1136271845_1613725797.91/0/asm-6-2-sources-3.jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/cola/permits/1136271845_1613725797.91/0/asm-6-2-sources-3.jar/org/objectweb/asm/CurrentFrame.java
* /opt/cola/permits/1136271845_1613725797.91/0/asm-6-2-sources-3.jar/org/objectweb/asm/AnnotationVisitor.java
* /opt/cola/permits/1136271845_1613725797.91/0/asm-6-2-sources-3.jar/org/objectweb/asm/Label.java
* /opt/cola/permits/1136271845_1613725797.91/0/asm-6-2-sources-3.jar/org/objectweb/asm/TypeReference.java
* /opt/cola/permits/1136271845_1613725797.91/0/asm-6-2-sources-3.jar/org/objectweb/asm/MethodWriter.java
* /opt/cola/permits/1136271845_1613725797.91/0/asm-6-2-sources-3.jar/org/objectweb/asm/MethodVisitor.java
* /opt/cola/permits/1136271845_1613725797.91/0/asm-6-2-sources-3.jar/org/objectweb/asm/Opcodes.java
* /opt/cola/permits/1136271845_1613725797.91/0/asm-6-2-sources-3.jar/org/objectweb/asm/signature/SignatureWriter.java
1.927 activemq-leveldb-store 5.15.14

1.927.1 Available under license:

ActiveMQ :: LevelDB Store
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.928 commons-io 2.1
1.928.1 Available under license :
Apache Commons IO
Copyright 2002-2011 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.
"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.929 perl-encode-locale 1.05-9.el8
1.929.1 Available under license :
   No license file was found, but licenses were detected in source scan.

   Encode-Locale
   ==============

   The purpose of this Perl module is try determine what encodings should be used
   when interfacing to various external interfaces. You will need perl-5.8 or
   better to use this module.

   © 2010 Gisle Aas `<gisle@aas.no>`.

   This library is free software; you can redistribute it and/or
   modify it under the same terms as Perl itself.

   Found in path(s):
   * /opt/cola/permits/1137994727_1614192763.01/0/perl-Encode-Locale-1.05-9.el8-1.src.rpm-cosi-expand-archive-
     xp7gnGr/Encode-Locale-1.05.tar.gz-cosi-expand-archive-daUPGOty/Encode-Locale-1.05/README
   No license file was found, but licenses were detected in source scan.

   =head1 NAME

   Encode::Locale - Determine the locale encoding

   =head1 SYNOPSIS

   use Encode::Locale;
   use Encode;

   $string = decode(locale => $bytes);
   $bytes = encode(locale => $string);

   if (-t) {
       binmode(STDIN, ":encoding(console_in)");
binmode(STDOUT, "encoding(console_out)");
binmode(STDERR, "encoding(console_out)");
}

# Processing file names passed in as arguments
my $uni_filename = decode(locale => $ARGV[0]);
open(my $fh, "<", encode(locale_fs => $uni_filename))
  || die "Can't open '$uni_filename': $!"
binmode($fh, "encoding(locale)");
...

=head1 DESCRIPTION

In many applications it's wise to let Perl use Unicode for the strings it processes. Most of the interfaces Perl has to the outside world are still byte based. Programs therefore need to decode byte strings that enter the program from the outside and encode them again on the way out.

The POSIX locale system is used to specify both the language conventions requested by the user and the preferred character set to consume and output. The C<Encode::Locale> module looks up the charset and encoding (called a CODESET in the locale jargon) and arranges for the L<Encode> module to know this encoding under the name "locale". It means bytes obtained from the environment can be converted to Unicode strings by calling C<< Encode::encode(locale => $bytes) >> and converted back again with C<< Encode::decode(locale => $string) >>.

Where file systems interfaces pass file names in and out of the program we also need care. The trend is for operating systems to use a fixed file encoding that don't actually depend on the locale; and this module determines the most appropriate encoding for file names. The L<Encode> module will know this encoding under the name "locale_fs". For traditional Unix systems this will be an alias to the same encoding as "locale".

For programs running in a terminal window (called a "Console" on some systems) the "locale" encoding is usually a good choice for what to expect as input and output. Some systems allows us to query the encoding set for the terminal and C<Encode::Locale> will do that if available and make these encodings known under the C<Encode> aliases "console_in" and "console_out". For systems where we can't determine the terminal encoding these will be aliased as the same encoding as "locale". The advice is to use "console_in" for input known to come from the terminal and "console_out" for output to the terminal.

In addition to arranging for various Encode aliases the following functions and variables are provided:

=over
=item decode_argv( )

=item decode_argv( Encode::FB_CROAK )

This will decode the command line arguments to perl (the C<@ARGV> array) in-place.

The function will by default replace characters that can't be decoded by "\x{FFFD} ", the Unicode replacement character.

Any argument provided is passed as CHECK to underlying Encode::decode() call. Pass the value C<Encode::FB_CROAK> to have the decoding croak if not all the command line arguments can be decoded. See L<Encode/"Handling Malformed Data"> for details on other options for CHECK.

=item env( $uni_key )

=item env( $uni_key => $uni_value )

Interface to get/set environment variables. Returns the current value as a Unicode string. The $uni_key and $uni_value arguments are expected to be Unicode strings as well. Passing C<undef> as $uni_value deletes the environment variable named $uni_key.

The returned value will have the characters that can't be decoded replaced by "\x{FFFD} ", the Unicode replacement character.

There is no interface to request alternative CHECK behavior as for decode_argv(). If you need that you need to call encode/decode yourself. For example:

my $key = Encode::encode(locale => $uni_key, Encode::FB_CROAK);
my $uni_value = Encode::decode(locale => $ENV{$key}, Encode::FB_CROAK);

=item reinit( )

=item reinit( $encoding )

Reinitialize the encodings from the locale. You want to call this function if you changed anything in the environment that might influence the locale.

This function will croak if the determined encoding isn't recognized by the Encode module.

With argument force $ENCODING_. variables to set to the given value.

=item $ENCODING_LOCALE

The encoding name determined to be suitable for the current locale.
L<Encode> know this encoding as "locale".

=item $ENCODING_LOCALE_FS

The encoding name determined to be suitable for file system interfaces involving file names.
L<Encode> know this encoding as "locale_fs".

=item $ENCODING_CONSOLE_IN
=item $ENCODING_CONSOLE_OUT

The encodings to be used for reading and writing output to the a console.
L<Encode> know these encodings as "console_in" and "console_out".

=back

=head1 NOTES

This table summarizes the mapping of the encodings set up by the C<Encode::Locale> module:

<table>
<thead>
<tr>
<th>Encode</th>
<th>Windows</th>
<th>Mac OS X</th>
<th>POSIX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alias</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>locale</td>
<td>ANSI</td>
<td>nl_langinfo</td>
<td>nl_langinfo</td>
</tr>
<tr>
<td>locale_fs</td>
<td>ANSI</td>
<td>UTF-8</td>
<td>nl_langinfo</td>
</tr>
<tr>
<td>console_in</td>
<td>OEM</td>
<td>nl_langinfo</td>
<td>nl_langinfo</td>
</tr>
<tr>
<td>console_out</td>
<td>OEM</td>
<td>nl_langinfo</td>
<td>nl_langinfo</td>
</tr>
</tbody>
</table>

=head2 Windows

Windows has basically 2 sets of APIs.  A wide API (based on passing UTF-16 strings) and a byte based API based a character set called ANSI.  The regular Perl interfaces to the OS currently only uses the ANSI APIs. Unfortunately ANSI is not a single character set.

The encoding that corresponds to ANSI varies between different editions of Windows.  For many western editions of Windows ANSI corresponds to CP-1252 which is a character set similar to ISO-8859-1.  Conceptually the ANSI character set is a similar concept to the POSIX locale CODESET so this module figures out what the ANSI code page is and make this available as $ENCODING_LOCALE and the "locale" Encoding alias.

Windows systems also operate with another byte based character set.  It's called the OEM code page.  This is the encoding that the Console takes as input and output.  It's common for the OEM code page to differ from the ANSI code page.
=head2 Mac OS X

On Mac OS X the file system encoding is always UTF-8 while the locale can otherwise be set up as normal for POSIX systems.

File names on Mac OS X will at the OS-level be converted to NFD-form. A file created by passing a NFC-filename will come in NFD-form from readdir(). See L<Unicode::Normalize> for details of NFD/NFC.

Actually, Apple does not follow the Unicode NFD standard since not all character ranges are decomposed. The claim is that this avoids problems with round trip conversions from old Mac text encodings. See L<Encode::UTF8Mac> for details.

=head2 POSIX (Linux and other Unixes)

File systems might vary in what encoding is to be used for filenames. Since this module has no way to actually figure out what the is correct it goes with the best guess which is to assume filenames are encoding according to the current locale. Users are advised to always specify UTF-8 as the locale charset.

=head1 SEE ALSO

L<I18N::Langinfo>, L<Encode>, L<Term::Encoding>

=head1 AUTHOR

Copyright 2010 Gisle Aas <gisle@aas.no>.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):
* /opt/cola/permits/1137994727_1614192763.01/0/perl-Encode-Locale-1.05-9.el8-1.src.rpm-cosi-expand-archive-xp7gznGr/Encode-Locale-1.05.tar.gz-cosi-expand-archive-daUPGOiy/Encode-Locale-1.05/lib/Encode/Locale.pm
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
* /opt/cola/permits/1137994727_1614192763.01/0/perl-Encode-Locale-1.05-9.el8-1.src.rpm-cosi-expand-archive-xp7gznGr/perl-Encode-Locale.spec
No license file was found, but licenses were detected in source scan.

---
abstract: 'Determine the locale encoding'
author:
  - 'Gisle Aas <gisle@activestate.com>'
build_requires:
  ExtUtils::MakeMaker: '0'
  Test::More: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.0401, CPAN::Meta::Converter version 2.150001'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: Encode-Locale
no_index:
directory:
  - t
  - inc
recommends:
  I18N::Langinfo: '0'
requires:
  Encode: '2'
  Encode::Alias: '0'
  perl: '5.008'
resources:
  repository: http://github.com/gisle/encode-locale
version: '1.05'

Found in path(s):
  * /opt/cola/permits/1137994727_1614192763.01/0/perl-Encode-Locale-1.05-9.el8-1.src.rpm-cosi-expand-archive-xp7gznGr/Encode-Locale-1.05.tar.gz-cosi-expand-archive-daUPGOty/Encode-Locale-1.05/META.yml

### 1.930 mssql-jdbc 4-4.0

**1.930.1 Available under license:**

Copyright(c) 2020 Microsoft Corporation
All rights reserved.

MIT License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated
documentation files(the "Software"),
to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge,
publish, distribute, sublicense,
and / or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED *AS IS*, WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.931 derbylocale-es 10.14.2.0

1.931.1 Available under license:

===================================================================
== NOTICE file corresponding to section 4(d) of the Apache License,
== Version 2.0, in this case for the Apache Derby distribution.
==
== DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED
== BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE.
==
===================================================================

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

===================================================================

Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
"Software Grant and Corporate Contribution License Agreement",
informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code
with which this file is now or was at one time distributed
and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.
The portion of the functionTests under 'nist' was originally developed by the National Institute of Standards and Technology (NIST), an agency of the United States Department of Commerce, and adapted by International Business Machines Corporation in accordance with the NIST Software Acknowledgment and Redistribution document at http://www.itl.nist.gov/div897/ctg/sql_form.htm

The Derby build relies on source files supplied by the Apache Felix project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects,
including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license
and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such
as the Unicode Character Database. See http://unicode.org/copyright.html for more
details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were
automatically generated with the moman/finenight FSA library, created by
Jean-Philippe Barrette-LaPierre. This library is available under an MIT license,
see http://sites.google.com/site/rettesite/moman and
http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from
the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0.
See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0
See http://junit.sourceforge.net/cpl-v10.html
This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin
g Package (jaspell): http://jaspell.sourceforge.net/
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
http://snowball.tartarus.org/

The KStem stemmer in
analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil,
and Edmond Nolan.

The Polish analyzer (stempel) comes with a default
stopword list that is BSD-licensed created by the Carrot2 project. The file resides

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

mecab-ipadic-2.7.0-20070801 Notice

Nara Institute of Science and Technology (NAIST), the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and fitness, in no event shall NAIST be liable for any special, indirect or consequential damages or any damages
whichever resulting from loss of use, data or profits, whether in an
action of contract, negligence or other tortuous action, arising out
of or in connection with the use or performance of this software.

A large portion of the dictionary entries
originates from ICOT Free Software. The following conditions for ICOT
Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its
original form or modified, to any third party or parties, PROVIDED
that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
on, or be attached to, the Program, which is distributed substantially
in the same form as set out herein and that such intended
distribution, if actually made, will neither violate or otherwise
contravene any of the laws and regulations of the countries having
jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the
research and development conducted during the project and is provided
to users as so produced on an experimental basis. Accordingly, the
program is provided without any warranty whatsoever, whether express,
 implied, statutory or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality,
performance, merchantability and fitness for a particular purpose of
the program and the nonexistence of any infringement or violation of
any right of any third party.

Each user of the program will agree and understand, and be deemed to
have agreed and understood, that there is no warranty whatsoever for
the program and, accordingly, the entire risk arising from or
otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other
organization that participated in or was otherwise related to the
development of the program and their respective officials, directors,
officers and other employees shall be held liable for any and all
damages, including, without limitation, general, special, incidental
and consequential damages, arising out of or otherwise in connection
with the use or inability to use the program or any product, material
or result produced or otherwise obtained by using the program,
regardless of whether they have been advised of, or otherwise had
knowledge of, the possibility of such damages at any time during the
project or thereafter. Each user will be deemed to have agreed to the
foregoing by his or her commencement of use of the program. The term
"use" as used herein includes, but is not limited to, the use,
modification, copying and distribution of the program and the
production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

=======================================================================

The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/.
The JSON simple jar file is licensed under the Apache 2.0 License.
No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of Your accepting any such warranty or additional liability.
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.932 perl 5.26.3 416.el8
1.932.1 Available under license :

Date: Sun, 15 Mar 2015 21:22:10 -0600
Subject: Re: Pod::Html license
From: Tom Christiansen <tchrist53147@gmail.com>
To: Petr abata <contyk@redhat.com>
Cc: Tom Christiansen <tchrist@perl.com>, marcgreen@cpan.org,
jplesnik@redhat.com
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit
Content-Type: text/plain; charset=utf-8

Yes, it was supposed to be licensed just like the rest of Perl.

Sent from my Sprint phone

Petr abata <contyk@redhat.com> wrote:

>Marc, Tom,
I'm reviewing licensing of our perl package in Fedora and noticed Pod::HTML and its pod2html script are licensed under the Artistic license (only).

This is an issue for us as this license isn't considered free by FSF [0]. Unless the license of this core component changes, we will have to drop it from the tarball and remove support for it from all the modules we ship that use it, such as Module::Build or Module::Install.

What I've seen in the past is authors originally claiming their module was released under Artistic while what they actually meant was the common `the same as perl itself', i.e. `GPL+/Aristic' [1], an FSF free license. Is it possible this is also the case of Pod::Html?

Thanks,
Petr

(also CC'ing Jitka, the primary package maintainer in Fedora)

[0] https://www.gnu.org/licenses/license-list.html#ArtisticLicense
[1] https://www.gnu.org/licenses/license-list.html#PerlLicense

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written
permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

--------------------------------------------------------------------------

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.
"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of
the Package with your modifications.

c) give non-standard executables non-standard names, and clearly
document the differences in manual pages (or equivalent), together
with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this
Package. You may charge any fee you choose for support of this
Package. You may not charge a fee for this Package itself. However,
you may distribute this Package in aggregate with other (possibly
commercial) programs as part of a larger (possibly commercial) software
distribution provided that you do not advertise this Package as a
product of your own. You may embed this Package's interpreter within
an executable of yours (by linking); this shall be construed as a mere
form of aggregation, provided that the complete Standard Version of the
interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as
output from the programs of this Package do not automatically fall
under the copyright of this Package, but belong to whoever generated
them, and may be sold commercially, and may be aggregated with this
Package. If such scripts or library files are aggregated with this
Package via the so-called "undump" or "unexec" methods of producing a
binary executable image, then distribution of such an image shall
neither be construed as a distribution of this Package nor shall it
fall under the restrictions of Paragraphs 3 and 4, provided that you do
not represent such an executable image as a Standard Version of this
Package.

7. C subroutines (or comparably compiled subroutines in other
languages) supplied by you and linked into this Package in order to
emulate subroutines and variables of the language defined by this
Package shall not be considered part of this Package, but are the
equivalent of input as in Paragraph 6, provided these subroutines do
not change the language in any way that would cause it to fail the
regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always
permitted provided that the use of this Package is embedded; that is,
when no overt attempt is made to make this Package's interfaces visible
to the end user of the commercial distribution. Such use shall not be
construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote
products derived from this software without specific prior written permission.
10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the Module-Build mailing list at <module-build@perl.org>.'
build_requires:
  File::Temp: 0.15  
  Test::Harness: 3.16  
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3
This software is copyright (c) 2015 by Ken Williams.

This is free software; you can redistribute it and/or modify it under the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 2015 by Ken Williams.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

   d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its
derivative) on a volume of a storage or distribution medium does not bring
the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of
it, under Paragraph 2) in object code or executable form under the terms of
Paragraphs 1 and 2 above provided that you also do one of the following:

   a) accompany it with the complete corresponding machine-readable
      source code, which must be distributed under the terms of
      Paragraphs 1 and 2 above; or,

   b) accompany it with a written offer, valid for at least three
      years, to give any third party free (except for a nominal charge
      for the cost of distribution) a complete machine-readable copy of the
      corresponding source code, to be distributed under the terms of
      Paragraphs 1 and 2 above; or,

   c) accompany it with the information you received as to where the
      corresponding source code may be obtained. (This alternative is
      allowed only for noncommercial distribution and only if you
      received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making
modifications to it. For an executable file, complete source code means
all the source code for all modules it contains; but, as a special
exception, it need not include source code for modules which are standard
libraries that accompany the operating system on which the executable
file runs, or for standard header files or definitions files that
accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the
Program except as expressly provided under this General Public License.
Any attempt otherwise to copy, modify, sublicense, distribute or transfer
the Program is void, and will automatically terminate your rights to use
the Program under this License. However, parties who have received
copies, or rights to use copies, from you under this General Public
License will not have their licenses terminated so long as such parties
remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based
on the Program) you indicate your acceptance of this license to do so,
and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the original
licensor to copy, distribute or modify the Program subject to these
terms and conditions. You may not impose any further restrictions on the
recipients' exercise of the rights granted herein.
7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 2015 by Ken Williams.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package
may be copied, such that the Copyright Holder maintains some semblance of
artistic control over the development of the package, while giving the users of
the package the right to use and distribute the Package in a more-or-less
customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright
  Holder, and derivatives of that collection of files created through
textual modification.
- "Standard Version" refers to such a Package if it has not been modified,
or has been modified in accordance with the wishes of the Copyright
  Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for
  the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media
cost, duplication charges, time of people involved, and so on. (You will
not be required to justify it to the Copyright Holder, but only to the
computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though
there may be fees involved in handling the item. It also means that
recipients of the item may redistribute it under the same conditions they
received it.
1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this
Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that
you changed the files and the date of any change; and

d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special
exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to humanity, the best way to achieve this is to make it
free software which everyone can redistribute and change under these
terms.

To do so, attach the following notices to the program. It is safest to
attach them to the start of each source file to most effectively convey
the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 1, or (at your option)
any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!
#!perl
=head1 NAME
copyright.t
=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.
use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
  skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;
my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
  my $current_year = (gmtime)[5] + 1900;
  is $v_year, $current_year, 'perl -v copyright includes current year';
  is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else {
  is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

  open my $readme, '<', '../README' or die "Opening README failed: $!";

  # The copyright message is the first paragraph:
  local $/ = "
  my $copyright_msg = <$readme>;

  my ($year) = $copyright_msg =~ /\d+\b\d{4,}/s
    or die "Year not found in README copyright message '$copyright_msg'";

  $year;


sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b\d{4,}\b/i
        or die "Copyright statement not found in perl -v output '$output'";
    $year;
}

1.933 libdb 5.3.28 37.el8

1.933.1 Available under license:

Copyright (c) 1996, 2013 Oracle and/or its affiliates. All rights reserved.
See the file LICENSE for redistribution information.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the

---

Open Source Used In CSPC_Collector 2.9.1 26595
entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data
prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries
If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This software is copyrighted by Christian Werner <chw@ch-werner.de> and other authors. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided
that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

This software is copyrighted by Christian Werner <chw@ch-werner.de> and others. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

NOTE
The license is based on the zlib/libpng license. For more details see http://www.opensource.org/licenses/zlib-license.html. The intent of the license is to:

- keep the license as simple as possible
- encourage the use of CuTest in both free and commercial applications and libraries
- keep the source code together
- give credit to the CuTest contributors for their work

If you ship CuTest in source form with your source distribution, the following license document must be included with it in unaltered form. If you find CuTest useful we would like to hear about it.

LICENSE

Copyright (c) 2003 Asim Jalis

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

3. This notice may not be removed or altered from any source distribution.
/

* $Id$
*

The following is the license that applies to this copy of the Berkeley DB software. For a license to use the Berkeley DB software under conditions other than those described here, or to purchase support for this software, please contact Oracle at berkeleydb-info_us@oracle.com.

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=

/*
* Copyright (c) 1990, 2013 Oracle and/or its affiliates. All rights reserved.
*
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY ORACLE \"AS IS\" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT, ARE DISCLAIMED. IN NO EVENT SHALL ORACLE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 1990, 1993, 1994, 1995 The Regents of the University of California. All rights reserved.
* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/
/*
* Copyright (c) 1995, 1996
* The President and Fellows of Harvard University. All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
* 3. Neither the name of the University nor the names of its contributors
*    may be used to endorse or promote products derived from this software
*    without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY HARVARD AND ITS CONTRIBUTORS ``AS IS'' AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL HARVARD OR ITS CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
/***
* ASM: a very small and fast Java bytecode manipulation framework
* Copyright (c) 2000-2005 INRIA, France Telecom
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
   documentation and/or other materials provided with the distribution.
* 3. Neither the name of the copyright holders nor the names of its
   contributors may be used to endorse or promote products derived from
   this software without specific prior written permission.

* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
* AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
* LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
* THE POSSIBILITY OF SUCH DAMAGE.
*/

This package was debianized by Sam Clegg <samo@debian.org> on

It was downloaded from <http://www.ch-werner.de/sqliteodbc/>

Upstream Author: Christian Werner <chw@ch-werner.de>

Copyright: Copyright (c) 2001-2011 Christian Werner <chw@ch-werner.de>
    OS/2 Port Copyright (c) 2004 Lorne R. Sunley <l.sunley@mb.sympatico.ca>

License:

This software is copyrighted by Christian Werner <chw@ch-werner.de>
and other authors. The following terms apply to all files associated
with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute,
and license this software and its documentation for any purpose, provided
that existing copyright notices are retained in all copies and that this
notice is included verbatim in any distributions. No written agreement,
license, or royalty fee is required for any of the authorized uses.

Modifications to this software may be copyrighted by their authors
and need not follow the licensing terms described here, provided that
the new terms are clearly indicated on the first page of each file where
they apply.
IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

The Debian packaging is (C) 2006, Sam Clegg <samo@debian.org> and is licensed under the GPL-3, see `/usr/share/common-licenses/GPL-3'.

1.934 quartz 2.3.2

1.934.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix
"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and

You must cause any modified files to carry prominent notices stating that You changed the files; and

You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute
must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided You use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by
Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your" shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.936 perl-threads 2.21 2.el8
1.936.1 Available under license :

   No license file was found, but licenses were detected in source scan.

---

abstract: 'Perl interpreter-based threads'
author:
  - 'Artur Bergman, Jerry D. Hedden <jdhedden AT cpan DOT org>'
build_requires:
  ExtUtils::MakeMaker: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: threads
no_index:
directory:
  - t
  - inc
requires:
  Carp: '0'
  Config: '0'
  ExtUtils::testlib: '0'
  Hash::Util: '0'
  IO::File: '0'
  Test::More: '0'
  XSLoader: '0'
  overload: '0'
  strict: '0'
  warnings: '0'
version: '2.21'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):
No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*
   ...........................................................................
   
   pport.h -- Perl/Pollution/Portability Version 3.32

    Open Source Used In CSPC_Collector 2.9.1  26618

    ""
SKIP

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.32

=head1 SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help show short help
--version show version
--patch=file write one patch file with changes
--copy=suffix write changed copies with suffix
--diff=program use diff program and options
--compat-version=version provide compatibility with Perl version
--cplusplus accept C++ comments
--quiet don't output anything except fatal errors
--nodiag don't show diagnostics
--nohints don't show hints
--nochanges don't suggest changes
--nofilter don't filter input files
--strip strip all script and doc functionality from ppport.h

--list-provided list provided API
--list-unsupported list unsupported API
--api-info=name show Perl API portability information

=head1 COMPATIBILITY
This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.20.

=head1 OPTIONS

=head2 --help

Display a brief usage summary.

=head2 --version

Display the version of F<ppport.h>.

=head2 --patch=I<file>

If this option is given, a single patch file will be created if any changes are suggested. This requires a working diff program to be installed on your system.

=head2 --copy=I<suffix>

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs. Note that this does not automagically add a dot between the original filename and the suffix. If you want the dot, you have to include it in the option argument.

If neither C<--patch> or C<--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

=head2 --diff=I<program>

Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.

=head2 --compat-version=I<version>

Tell F<ppport.h> to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003. You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.

=head2 --cplusplus
Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.

=head2 --quiet

Be quiet. Don’t print anything except fatal errors.

=head2 --nodiag

Don’t output any diagnostic messages. Only portability alerts will be printed.

=head2 --nohints

Don’t output any hints. Hints often contain useful portability notes. Warnings will still be displayed.

=head2 --nochanges

Don’t suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don’t filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>. This reduces the size of F<ppport.h> dramatically and may be useful if you want to include F<ppport.h> in smaller modules without increasing their distribution size too much.

The stripped F<ppport.h> will have a C|--unstrip> option that allows you to undo the stripping, but only if an appropriate C<Devel::PPPort> module is installed.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.

=head2 --list-unsupported
Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching I<name>. If I<name> is surrounded by slashes, it is interpreted as a regular expression.

=head1 DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

=item *

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

    perl ppport.h --list-provided

to see which API elements are provided by ppport.h.

=item *

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h> will provide wrappers for older Perl versions.

=item *

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define>s in your source code before the inclusion of F<ppport.h>.

These functions or variables will be marked C<explicit> in the list shown by C<--list-provided>.

Depending on whether you module has a single or multiple files that use such functions or variables, you want either C<static> or global
variants.

For a C<static> function or variable (used only in a single source file), use:

```c
#define NEED_function
#define NEED_variable
```

For a global function or variable (used in multiple source files), use:

```c
#define NEED_function_GLOBAL
#define NEED_variable_GLOBAL
```

Note that you mustn't have more than one global request for the same function or variable in your project.

<table>
<thead>
<tr>
<th>Function / Variable</th>
<th>Static Request</th>
<th>Global Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL_parser</td>
<td>NEED_PL_parser</td>
<td>NEED_PL_parser_GLOBAL</td>
</tr>
<tr>
<td>PL_signals</td>
<td>NEED_PL_signals</td>
<td>NEED_PL_signals_GLOBAL</td>
</tr>
<tr>
<td>caller_cx()</td>
<td>NEED_caller_cx</td>
<td>NEED_caller_cx_GLOBAL</td>
</tr>
<tr>
<td>eval_pv()</td>
<td>NEED_eval_pv</td>
<td>NEED_eval_pv_GLOBAL</td>
</tr>
<tr>
<td>grok_bin()</td>
<td>NEED_grok_bin</td>
<td>NEED_grok_bin_GLOBAL</td>
</tr>
<tr>
<td>grok_hex()</td>
<td>NEED_grok_hex</td>
<td>NEED_grok_hex_GLOBAL</td>
</tr>
<tr>
<td>grok_number()</td>
<td>NEED_grok_number</td>
<td>NEED_grok_number_GLOBAL</td>
</tr>
<tr>
<td>grok_numeric_radix()</td>
<td>NEED_grok_numeric_radix</td>
<td>NEED_grok_numeric_radix_GLOBAL</td>
</tr>
<tr>
<td>grok_oct()</td>
<td>NEED_grok_oct</td>
<td>NEED_grok_oct_GLOBAL</td>
</tr>
<tr>
<td>load_module()</td>
<td>NEED_load_module</td>
<td>NEED_load_module_GLOBAL</td>
</tr>
<tr>
<td>my_snprintf()</td>
<td>NEED_my_snprintf</td>
<td>NEED_my_snprintf_GLOBAL</td>
</tr>
<tr>
<td>my_sprintf()</td>
<td>NEED_my_sprintf</td>
<td>NEED_my_sprintf_GLOBAL</td>
</tr>
<tr>
<td>my_strlcat()</td>
<td>NEED_my_strlcat</td>
<td>NEED_my_strlcat_GLOBAL</td>
</tr>
<tr>
<td>my_strlcpy()</td>
<td>NEED_my_strlcpy</td>
<td>NEED_my_strlcpy_GLOBAL</td>
</tr>
<tr>
<td>newCONSTSUB()</td>
<td>NEED_newCONSTSUB</td>
<td>NEED_newCONSTSUB_GLOBAL</td>
</tr>
<tr>
<td>newRV_noinc()</td>
<td>NEED_newRV_noinc</td>
<td>NEED_newRV_noinc_GLOBAL</td>
</tr>
<tr>
<td>newSV_type()</td>
<td>NEED_newSV_type</td>
<td>NEED_newSV_type_GLOBAL</td>
</tr>
<tr>
<td>newSVpvn_flags()</td>
<td>NEED_newSVpvn_flags</td>
<td>NEED_newSVpvn_flags_GLOBAL</td>
</tr>
<tr>
<td>newSVpvn_share()</td>
<td>NEED_newSVpvn_share</td>
<td>NEED_newSVpvn_share_GLOBAL</td>
</tr>
<tr>
<td>pv_display()</td>
<td>NEED_pv_display</td>
<td>NEED_pv_display_GLOBAL</td>
</tr>
<tr>
<td>pv_escape()</td>
<td>NEED_pv_escape</td>
<td>NEED_pv_escape_GLOBAL</td>
</tr>
<tr>
<td>pv_pretty()</td>
<td>NEED_pv_pretty</td>
<td>NEED_pv_pretty_GLOBAL</td>
</tr>
<tr>
<td>sv_2pv_flags()</td>
<td>NEED_sv_2pv_flags</td>
<td>NEED_sv_2pv_flags_GLOBAL</td>
</tr>
<tr>
<td>sv_2pvbyte()</td>
<td>NEED_sv_2pvbyte</td>
<td>NEED_sv_2pvbyte_GLOBAL</td>
</tr>
<tr>
<td>sv_catpvf Mg()</td>
<td>NEED_sv_catpvf Mg</td>
<td>NEED_sv_catpvf Mg_GLOBAL</td>
</tr>
<tr>
<td>sv_catpvf Mg_nocontext()</td>
<td>NEED_sv_catpvf Mg_nocontext</td>
<td>NEED_sv_catpvf Mg_nocontext_GLOBAL</td>
</tr>
<tr>
<td>sv_pvn_force_flags()</td>
<td>NEED_sv_pvn_force_flags</td>
<td>NEED_sv_pvn_force_flags_GLOBAL</td>
</tr>
<tr>
<td>sv_setpvnf Mg()</td>
<td>NEED_sv_setpvnf Mg</td>
<td>NEED_sv_setpvnf Mg_GLOBAL</td>
</tr>
</tbody>
</table>
sv_setpvf_mg_nocontext() NEED_sv_setpvf_mg_nocontext NEED_sv_setpvf_mg_nocontext_GLOBAL
sv_unmagicext() NEED_sv_unmagicext NEED_sv_unmagicext_GLOBAL
vload_module() NEED_vload_module NEED_vload_module_GLOBAL
vnewSVpvf() NEED_vnewSVpvf NEED_vnewSVpvf_GLOBAL
warner() NEED_warner NEED_warner_GLOBAL

To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the C<DPPP_NAMESPACE> macro. Just C<#define> the macro before including C<ppport.h>:

#define DPPP_NAMESPACE MyOwnNamespace_
#include "ppport.h"

The default namespace is C<DPPP_>.

=back

The good thing is that most of the above can be checked by running F<ppport.h> on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether F<ppport.h> is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, F<ppport.h> can be run as a Perl script to check your source code. Simply say:

perl ppport.h

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff

If you only want your code to be scanned without any suggestions for changes, use:

perl ppport.h --nochanges

You can specify a different C<diff> program or options, using the C<--diff> option:
perl ppport.h --diff='diff -C 10'

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:

perl ppport.h --copy=.new

To display portability information for the C<newSVpn> function, use:

perl ppport.h --api-info=newSVpn

Since the argument to C<--api-info> can be a regular expression, you can use

perl ppport.h --api-info=/_nomg$/

to display portability information for all C<_nomg> functions or

perl ppport.h --api-info=/./

to display information for all known API elements.

=head1 BUGS

If this version of F<ppport.h> is causing failure during the compilation of this module, please check if newer versions of either this module or C<Devel::PPPort> are available on CPAN before sending a bug report.

If F<ppport.h> was generated using the latest version of C<Devel::PPPort> and is causing failure of this module, please file a bug report here: L<https://github.com/mhx/Devel-PPPort/issues/>

Please include the following information:

=over 4

=item 1.

The complete output from running "perl -V"

=item 2.

This file.
=item 3.

The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.

=item 5.

Any other information that you think could be relevant.

=back

For the latest version of this code, please get the C<Devel::PPPort> module from CPAN.

=head1 COPYRIGHT

Version 3.x, Copyright (c) 2004-2013, Marcus Holland-Moritz.

Version 2.x, Copyright (C) 2001, Paul Marquess.

Version 1.x, Copyright (C) 1999, Kenneth Albanowski.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

See L<Devel::PPPort>.

=cut

use strict;

# Disable broken TRIE-optimization
BEGIN { eval '${^RE_TRIE_MAXBUF} = -1' if $^G >= 5.009004 && $^G <= 5.009005 }

my $VERSION = 3.32;

my %opt = (
  quiet => 0,
  diag  => 1,
  hints => 1,
  changes => 1,
  cplusplus => 0,
  filter  => 1,
strip => 0,
version => 0,
);
my($ppport) = $0 =~ /([\w.]+)$/;
my $LF = '(?:\r\n|[\r\n])'; # line feed
my $HS = "[ \t]";
# horizontal whitespace
# Never use C comments in this file!
my $ccs = '/'.'*';
my $cce = '*'.'/';
my $rccs = quotemeta $ccs;
my $rcce = quotemeta $cce;
eval {
require Getopt::Long;
Getopt::Long::GetOptions(\%opt, qw(
help quiet diag! filter! hints! changes! cplusplus strip version
patch=s copy=s diff=s compat-version=s
list-provided list-unsupported api-info=s
)) or usage();
};
if ($@ and grep /^-/, @ARGV) {
usage() if "@ARGV" =~ /^--?h(?:elp)?$/;
die "Getopt::Long not found. Please don't use any options.\n";
}
if ($opt{version}) {
print "This is $0 $VERSION.\n";
exit 0;
}
usage() if $opt{help};
strip() if $opt{strip};
if (exists $opt{'compat-version'}) {
my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };
if ($@) {
die "Invalid version number format: '$opt{'compat-version'}'\n";
}
die "Only Perl 5 is supported\n" if $r != 5;
die "Invalid version number: $opt{'compat-version'}\n" if $v >= 1000 || $s >= 1000;
$opt{'compat-version'} = sprintf "%d.%03d%03d", $r, $v, $s;
}
else {
$opt{'compat-version'} = 5;
}

Open Source Used In CSPC_Collector 2.9.1 26627


my %API = map { /^(\w+)(\|[^|]*)\|([^|]*)\|([^|]*)$/ } qw(ASCII_TO_NEED|5.007001|n AvFILLp|5.004050|p AvFILL|| BhkDISABLE|5.021008| BhkENABLE|5.021008| BhkENTRY_set||5.021008| BhkENTRY|| BhkFLAGS|| CALL_BLOCK_HOOKS|| CLASS||n CPERLscope|5.005000|p CX_CURPAD_SAVE|| CX_CURPAD_SV|| CopFILEAV|5.006000|p CopFILEGV_set|5.006000|p CopFILEGV|5.006000|p CopFILESV|5.006000|p CopFILE_set|5.006000|p CopFILE|5.006000|p CopSTASHPV_set|5.006000|p CopSTASHPV|5.006000|p CopSTASH_eq|5.006000|p CopSTASH_set|5.006000|p CopSTASH|5.006000|p CopyD|5.009002|5.004050|p Copy|| CvPADLIST|5.008001| CvSTASH|| CvWEAKOUTSIDE|| DEFSV_set|5.010001|p DEFSV|5.004050|p END_EXTERN_C|5.005000|p ENTER|| ERRSV|5.004050|p EXTEND|| EXTERN_C|5.005000|p F0convert||n FREEmps||
IVdf|5.006000||p
LEAVE||
LINKLIST|5.013006|
LVRET||
MARK||
MULTICALL|5.021008|
MUTABLE_PTR|5.010001||p
MUTABLE_SV|5.010001||p
MY_CTX_CLONE|5.009002||p
MY_CTX_INIT|5.007003||p
MY_CTX|5.007003||p
MoveD|5.009002|5.004050||p
Move||
NATIVE_TO_NEED|5.007001||n
NOOP|5.005000||p
NUM2PTR|5.006000||p
NVTYPE|5.006000||p
NVef|5.006001||p
NVff|5.006001||p
NVgf|5.006001||p
Newxc|5.009003||p
Newxz|5.009003||p
Newx|5.009003||p
Nullav||
Nullch||
Nullcv||
Nullhv||
Nullsv||
OP_CLASS|5.013007|
OP_DESC|5.007003|
OP_NAME|5.007003|
OP_TYPE_IS_OR_WAS|5.019010|
OP_TYPE_IS|5.019007|
ORIGMARK||
OpHAS_SIBLING|5.021007|
OpSIBLING_set|5.021007|
OpSIBLING|5.021007|
PAD_BASE_SV||
PAD_CLONE_VARS||
PAD_COMPNAME_FLAGS||
PAD_COMPNAME_GEN_set||
PAD_COMPNAME_GEN||
PAD_COMPNAME_OURSTASH||
PAD_COMPNAME_PV||
PAD_COMPNAME_TYPE||
PAD_RESTORE_LOCAL||
PAD_SAVE_LOCAL||
PAD_SAVE_SETNULLPAD||
PAD_SETSV
PAD_SET_CUR_NOSAVE
PAD_SET_CUR
PAD_SV
PAD_SV
PERLIO_FUNCS_CAST|5.009003|
PERLIO_FUNCS_DECL|5.009003|
PERL_ABS|5.008001|
PERL_BCDVERSION|5.021008|
PERL_GCC_BRACE_GROUPS_FORBIDDEN|5.008001|
PERL_HASH|5.003070|
PERL_INT_MAX|5.003070|
PERL_INT_MIN|5.003070|
PERL_LONG_MAX|5.003070|
PERL_LONG_MIN|5.003070|
PERL_MAGIC_arylen|5.007002|
PERL_MAGIC_backref|5.007002|
PERL_MAGIC_bmi|5.007002|
PERL_MAGIC_collxfrm|5.007002|
PERL_MAGIC_dbfile|5.007002|
PERL_MAGIC_dbline|5.007002|
PERL_MAGIC_defelem|5.007002|
PERL_MAGIC_envelem|5.007002|
PERL_MAGIC_env|5.007002|
PERL_MAGIC_ext|5.007002|
PERL_MAGIC_fm|5.007002|
PERL_MAGIC_glob|5.021008|
PERL_MAGIC_isaelem|5.007002|
PERL_MAGIC_isa|5.007002|
PERL_MAGIC_mutex|5.021008|
PERL_MAGIC_nkeys|5.007002|
PERL_MAGIC_overload_elem|5.021008|
PERL_MAGIC_overload_table|5.007002|
PERL_MAGIC_overload|5.021008|
PERL_MAGIC_pos|5.007002|
PERL_MAGIC_qr|5.007002|
PERL_MAGIC_regdata|5.007002|
PERL_MAGIC_regdatum|5.007002|
PERL_MAGIC_regex_global|5.007002|
PERL_MAGIC_shared_scalar|5.007003|
PERL_MAGIC_shared|5.007003|
PERL_MAGIC_sigelem|5.007002|
PERL_MAGIC_sigelem|5.007002|
PERL_MAGIC_substr|5.007002|
PERL_MAGIC_sv|5.007002|
PERL_MAGIC_taint|5.007002|
PERL_MAGIC_tiedelem|5.007002|
PERL_MAGIC_tiedscalar|5.007002|
PL_rs\nPL_signals|5.008001|p
PL_stack_base|5.004050|p
PL_stack_sp|5.004050|p
PL_statcache|5.005000|p
PL_stdingv|5.004050|p
PL_sv_arenaroot|5.004050|p
PL_sv_no|5.004050|pn
PL_sv_undef|5.004050|pn
PL_sv_yes|5.004050|pn
PL_tainted|5.004050|p
PL_tainting|5.004050|p
PL_tokenbuf|5.021008|p
POP_MULTICALL|5.021008|
POPi\nPOPl\nPOPn\nPOPpbtyex|5.007001|n
POPx|5.005030|n
POPp\nPTR2IV|5.006000|p
PTR2NV|5.006000|p
PTR2UV|5.006000|p
PTR2nat|5.009003|p
PTR2ul|5.007001|p
PTRV|5.006000|p
PUSHMARK\n
PUSH_MULTICALL|5.021008|
PUSHi\nPUSHmortal|5.009002|p
PUSHn\nPUSHp\nPUSHs\nPUSHu|5.004000|p
PUTBACK\n
PadARRAY|5.021008|
PadMAX|5.021008|
PadlistARRAY|5.021008|
PadlistMAX|5.021008|
PadlistNAMESARRAY|5.021008|
PadlistNAMESMAX|5.021008|
PadlistNAMES|5.021008|
PadlistREFCNT|5.017004|
PadnameIsOUR\n
PadnameIsSTATE\n
PadnameLEN|5.021008|
PadnameOURSTASH\n
Open Source Used In CSPC_Collector 2.9.1 26634
PadnameOUTER||
PadnamePV||5.021008|
PadnameREFCNT_dec||5.021008|
PadnameREFCNT||5.021008|
PadnameSV||5.021008|
PadnameTYPE|||
PadnameUTF8||5.021007|
PadnamelistARRAY||5.021008|
PadnamelistMAX||5.021008|
PadnamelistREFCNT_dec||5.021008|
PadnamelistREFCNT||5.021008|
PerlIO_clearerr||5.007003|
PerlIO_close||5.007003|
PerlIO_context_layers||5.009004|
PerlIO.eof||5.007003|
PerlIO_error||5.007003|
PerlIO_fileno||5.007003|
PerlIO_fill||5.007003|
PerlIO_flush||5.007003|
PerlIO_get_base||5.007003|
PerlIO_get_bufsiz||5.007003|
PerlIO_get_cnt||5.007003|
PerlIO_get_ptr||5.007003|
PerlIO_read||5.007003|
PerlIO_restore_errno|||
PerlIO_save_errno|||
PerlIO_seek||5.007003|
PerlIO_set_cnt||5.007003|
PerlIO_set_ptrcnt||5.007003|
PerlIO_setlinebuf||5.007003|
PerlIO_stderr||5.007003|
PerlIO_stdin||5.007003|
PerlIO_stdout||5.007003|
PerlIO_tell||5.007003|
PerlIO_unread||5.007003|
PerlIO_write||5.007003|
Perl_signbit||5.009005|
PoisonFree||5.009004|
PoissonNew||5.009004|
PoissonWith||5.009004|
Poison||5.008000|
READ_XDIGIT||5.017006|
RETVAl|||n
Renewc|||
Renew|||
SAVECLEARSV|||
SAVECOMPPAD|||
SAVEPADSV|||
SvGAMAGIC|5.006001|
SvGETMAGIC|5.004050||p
SvGROW|||
SvIOK_UV|5.006000|
SvIOK_notUV|5.006000|
SvIOK_off|||
SvIOK_only_UV|5.006000|
SvIOK_only|||
SvIOK_on|||
SvIOKp|||
SvIOK|||
SvIVX|||
SvIV_nomg|5.009001||p
SvIV_set|||
SvIVx|||
SvIV|||
SvIsCOW_shared_hash|5.008003|
SvIsCOW|5.008003|
SvLEN_set|||
SvLEN|||
SvLOCK|5.007003|
SvMAGIC_set|5.009003||p
SvNIOK_off|||
SvNIOKp|||
SvNIOK|||
SvNOK_off|||
SvNOK_only|||
SvNOK_on|||
SvNOKp|||
SvNOK|||
SvNVX|||
SvNV_nomg|5.013002|
SvNV_set|||
SvNVx|||
SvNV|||
SvOK|||
SvOOK_offset|5.011000|
SvOOK|||
SvPOK_off|||
SvPOK_only_UTF8|5.006000|
SvPOK_only|||
SvPOK_on|||
SvPOKp|||
SvPOK|||
SvPVX_const|5.009003||p
SvPVX_mutable|5.009003||p
SvPVX|||
SvPV_const|5.009003||p
_invlist_intersection_maybe_complement_2nd|||
_invlist_intersection|||
_invlist_invert|||
_invlist_len|||
_invlist_populate_swatch|||
_invlist_search|||
_invlist_subtract|||
_invlist_union_maybe_complement_2nd|||
_invlist_union|||
_is_cur_LC_category_utf8|||
_is_in_locale_category|||
_is_uni_FOO|||
_is_uni_perl_idcont|||
_is_uni_perl_idstart|||
_is_utf8_FOO|||
_is_utf8_char_slow|||
_is_utf8_idcont|||
_is_utf8_idstart|||
_is_utf8_mark|||
_is_utf8_perl_idcont|||
_is_utf8_perl_idstart|||
_is_utf8_xidcont|||
_is_utf8_xidstart|||
_load_PL_utf8_foldclosures|||
_make_exactf_invlist|||
_new_invlist_C_array|||
_new_invlist|||
_pMY_CXT|||
_setup_canned_invlist|||
_swash_inversion_hash|||
_swash_to_invlist|||
_to_fold_latin1|||
_to_uni_fold_flags|||
_to_upper_title_latin1|||
_to_utf8_fold_flags|||
_to_utf8_lower_flags|||
_to_utf8_title_flags|||
_to_utf8_upper_flags|||
_warn_problematic_locale|||
_aMY_CXT|||
_aTHXR|||
_aassign_common_vars|||
_add_above_Latin1_folds|||
_add_ep_to_invlist|||
add_data||n
add_multi_match||
add_utf16_textfilter||
adjust_size_and_find_bucket||n
advance_one_SB||
advance_one_WB||
alloc_maybe_populate_EXACT||
allocopstash||
allocmy||
amagic_call||
amagic_cmp_locale||
amagic_cmp||
amagic_deref_call||5.013007|
amagic_i_ncmp||
amagic_is_enabled||
amagic_ncmp||
anonymise_cv_maybe||
any_dup||
ao||
append_utf8_from_native_byte||5.019004|n
apply_attrs_my||
apply_attrs_string||5.006001|
apply_attrs||
apply||
assert_utf8_cache_coherent||
assignment_type||
atfork_lock||5.007003|n
atfork_unlock||5.007003|n
av_arylen_p||5.009003|
av_clear||
av_create_and_push||5.009005|
av_create_and_unshift_one||5.009005|
av_delete||5.006000|
av_exists||5.006000|
av_extend_guts||
av_extend||
av_fetch||
av_fill||
av_iter_p||5.011000|
av_len||
av_make||
av_pop||
av_push||
av_reify||
av_shift||
av_store||
av_tindex||5.017009|
av_top_index||5.017009|
custom_op_get_field||
custom_op_name[5.007003]
custom_op_register[5.013007]
custom_op_xop[5.013007]
cv_ckptproto Len_flags||
cv_clone_into||
cv_clone||
cv_const_sv_or_av[n]
cv_const_sv[5.003070]\n
cv_dump||
cv_forget_slab||
cv_get_call_checker[5.013006]
cv_name[5.021005]
cv_set_call_checker_flags[5.021004]
cv_set_call_checker[5.013006]
cv_undef_flags||
cv_undef||
cvgv_from_hk||
cvgv_set||
cvstash_set||
cx_dump[5.005000]
cx_dup||
cxincc||
dAXMARK[5.009003]p
dAX[5.007002]p
dITEMS[5.007002]p
dMARK||
dMULTICALL[5.009003]
dMY_CXT_SV[5.007003]p
dMY_CXT[5.007003]p
dNOOP[5.006000]p
dORIGMARK||
dSP||
dTHR[5.004050]p
dTHXR[5.021008]p
dTHXa[5.006000]p
dTHXoa[5.006000]p
dTHX[5.006000]p
dUNDERBAR[5.009002]p
dVAR[5.009003]p
dXCT[5.009002]p
dXSARGS||
dXSARGS2||
dXSTARG[5.006000]p
debcurcv||
deb_nocontext\vn
deb_stack_all||
deb_stack_r||
debop[5.005000]
deprofdump[5.005000]
debprof[]
debstackptrs[5.007003]
debstack[5.007003]
debug_start_match[]
deb[5.007003]\v
defelem_target[]
del_sv[]
delete_eval_scope[]
delimcpy[5.004000]\n
deprecate_commaless_var_list[]
despatch_signals[5.007001]
destroy_matcher[]
die_nocontext[\n\n
die_sv[5.013001]
die_unwind[]
diell[\v
dirp_dup[]
div128[]
djSP[]
do_aexec5[]
do_aexec[]
do_aspawn[]
do_binmode[5.004050]
do_chomp[]
do_close[]
do_delete_local[]
do_dump_pad[]
do_eof[]
do_exec3[]
do_execfree[]
do_exec[]
do_gv_dump[5.006000]
do_gvgv_dump[5.006000]
do_hv_dump[5.006000]
do_ipcctl[]
do_ipcget[]
do_join[]
do_magic_dump[5.006000]
do_msgrec[]
do_msgsnd[]
doncmp[]
do_oddball[]
do_op_dump[5.006000]
do_open6[]
do_open9[5.006000]
do_open_raw[]
do_open

do_openn

do_pmop_dump

do_print

do_readline

do_seek

do_semop

do_shmio

do_smartmatch

do_spawn_nowait

do_spawn

do_sprintf

do_sv_dump

do_sysseek

do_tell

do_trans_complex_utf8

do_trans_complex

do_trans_count_utf8

do_trans_count

do_trans_simple_utf8

do_trans_simple

do_trans

do_vecget

do_vecset

do_vop

docatch

doeval

dofile

dofindlabel

doform

doing_taint

dooneiner

doopen_pm

doparseform

dopoptoeval

dopoptogiven

dopoptolabel

dopoptoloop

dopoptosub_at

dopoptowhen

doref

dounwind

dowantarray

drand48_init_r

drand48_r

dump_all

dump_all

dump_all

dump_c_backtrace
get_re_arg
get_sv[5.006000]p
get_vtbl[5.005030]
getcwd_sv[5.007002]
getenv_sv||
glob_2number||
glob_assign_glob||
gp_dup||
gp_free||
gp_ref||
grok_atoUV||h
grok_bin[5.007003]p
grok_bslash_N||
grok_bslash_c||
grok_bslash_o||
grok_bslash_x||
grok_hex[5.007003]p
grok_infnan[5.021004]
grok_number_flags[5.021002]
grok_number[5.007002]p
grok_numeric_radix[5.007002]p
grok_oct[5.007003]p
group_end||
gv_AVadd||
gv_HVadd||
gv_IOadd||
gv_SVadd||
gv_add_by_type[5.011000]
gv_autoload4[5.004000]
gv_autoload_pvn[5.015004]
gv_autoload_pv[5.015004]
gv_autoload_sv[5.015004]
gv_check||
gv_const_sv[5.009003]
gv_dump[5.006000]
gv_efullname3[5.003070]
gv_efullname4[5.006001]
gv_efullname||
gv_fetchfile_flags[5.009005]
gv_fetchfile||
gv_fetchmeth_autoload[5.007003]
gv_fetchmeth_internal||
gv_fetchmeth_pv_autoload[5.015004]
gv_fetchmeth_pvn_autoload[5.015004]
gv_fetchmeth_pvn[5.015004]
gv_fetchmeth_pv[5.015004]
gv_fetchmeth_sv_autoload[5.015004]
gv_fetchmeth_sv[5.015004]
gv_fetchmethod_autoload[5.004000]
gv_fetchmethod_pv_flags[5.015004]
gv_fetchmethod_pvn_flags[5.015004]
gv_fetchmethod_sv_flags[5.015004]
gv_fetchmethod[]
gv_fetchmeth[]
gv_fetchpvn_flags[5.009002][p]
gv_fetchpvs[5.009004][p]
gv_fetchpv[]
gv_fetchsv[5.009002][p]
gv_fullname3[5.003070]
gv_fullname4[5.006001]
gv_fullname[]
gv_handler[5.007001]
gv_init_pvn[5.015004]
gv_init_pv[5.015004]
gv_init_svtype[]
gv_init_sv[5.015004]
gv_init[]
gv_is_in_main[]
gv_magicalize_isa[]
gv_magicalize[]
gv_name_set[5.009004]
gv_override[]
gv_setref[]
gv_stashpvn_internal[]
gv_stashpvn[5.003070][p]
gv_stashpvs[5.009003][p]
gv_stashpv[]
gv_stashsvpvnCached[]
gv_stashsv[]
gv_try downgrade[]
handle_regex_sets[]
he_dup[]
hek_dup[]
hfree_next_entry[]
hfreetraces[]
hsplit[]
hv_assert[]
hv_auxinit_internal[]
hv_auxinit[]
hv_backreferences[]
hv_clear_placeholders[5.009001]
hv_clear[]
hv_common_key_len[5.010000]
hv_common[5.010000]
hv_copy_hints_hv[5.009004]
hv_delayfree_ent[5.004000]
hv_delete_common
hv_deleteEnt [5.003070]
hv_delete
hv_eiter_p [5.009003]
hv_eiter_set [5.009003]
hv_ename_add
hv_ename_delete
hv_exists_ent [5.003070]
hv_exists
hv_fetch_ent [5.003070]
hv_fetchs [5.009003]
hv_fetch
hv_fill [5.013002]
hv_free_ent_ret
hv_free_ent [5.004000]
hv_iterinit
hv_iterkeys [5.003070]
hv_iterkey
hv_iternext_flags [5.008000]
hv_iternextsv
hv_iternext
hv_iterall
hv_kill_backrefs
hv_ksplit [5.003070]
hv_magic_check
hv_magic
hv_name_set [5.009003]
hv_notallowed
hv_placeholder_get [5.009003]
hv_placeholder_p
hv_placeholder_set [5.009003]
hv_rand_set [5.018000]
hv_riter_p [5.009003]
hv_riter_set [5.009003]
hv_scalar [5.009001]
hv_store_ent [5.003070]
hv_store_flags [5.008000]
hv_stores [5.009004]
hv_store
hv.Undef_flags
hv.Undef
ibcmp_locale [5.004000]
ibcmp_utf8 [5.007003]
ibcmp
incline
incpush_if_exists
incpush_use_sep
incpush
Open Source Used In CSPC_Collector 2.9.1 26655
is_uni_space_lc|5.006000|
is_uni_space|5.006000|
is_uni_upper_lc|5.006000|
is_uni_upper|5.006000|
is_uni_xdigit_lc|5.006000|
is_uni_xdigit|5.006000|
is_utf8_alnumc|5.017007|
is_utf8_alnum|5.006000|
is_utf8_alpha|5.006000|
is_utf8_asci|5.006000|
is_utf8_blank|5.017002|
is_utf8_char_buf|5.015008|
is_utf8_char|5.006000|
is_utf8_cnntr|5.006000|
is_utf8_common||
is_utf8_digit|5.006000|
is_utf8_graph|5.006000|
is_utf8_idcnt|5.006000|
is_utf8_idfirst|5.006000|
is_utf8_lower|5.006000|
is_utf8_mark|5.006000|
is_utf8_perl_space|5.011001|
is_utf8_perl_word|5.011001|
is_utf8_posix_digit|5.011001|
is_utf8_print|5.006000|
is_utf8_punct|5.006000|
is_utf8_space|5.006000|
is_utf8_string_loclen|5.009003|
is_utf8_string_loc|5.008001|
is_utf8_string|5.006001|
is_utf8_upper|5.006000|
is_utf8_xdigit|5.006000|
is_utf8_xidcnt|5.013010|
is_utf8_xidfirst|5.013010|
isa_lookup||
isinfnsvals||
isinfnan|5.021004|
items||n
ix||n
jmaybe||
join_exact||
keyword_plugin_standard||
keyword||
leave_common||
leave_scope||
lex_bufutf8|5.011002|
lex_discard_to|5.011002|
lex_grow_linestr|5.011002|
lex_next_chunk
lex_peek_unichar
lex_read_space
lex_read_to
lex_read_unichar
lex_start
lex_stuff_pvn
lex_stuff_pvs
lex_stuff_pv
lex_stuff_sv
lex_unstuff
listkids
load_module_nocontext
load_module
localize
looks_like_bool
looks_like_number
lop
mPUSHi
mPUSHn
mPUSHp
mPUSHs
mPUSHu
mXPUSHi
mXPUSHn
mXPUSHp
mXPUSHs
mXPUSHu
magic_clear_all_env
magic_cleararylen_p
magic_cleararylen
magic_clearenv
magic_clearhints
magic_clearhint
magic_clearisa
magic_clearpack
magic_clearsig
magic_copycallchecker
magic_dump
magic_existspack
magic_freearylen_p
magic_freeovrld
magic_getarylen
magic_getdebugvar
magic_getdefelem
magic_getnkeys
magic_getpack
magic_getpos
measure_struct
memEQs[5.009005]p
memEQ[5.004000]p
memNEs[5.009005]p
memNE[5.004000]p
mem_collxfrm||
mem_log_common||n
mess_alloc||
mess_nocontext|vn
mess_sv||5.013001|
mess||5.006000|v
mfree||5.007002|n
mg_clear||
mg_copy||
mg_dup||
mg_find_mglob||
mg_findext||5.013008|pn
mg_find||n
mg_free_type||5.013006|
mg_free||
mg_get||
mg_length||5.005000|
mg_localize||
mg_magical||n
mg_set||
mg_size||5.005000|
mini_mktime||5.007002|n
minus_v|||
missingterm||
mode_from_discipline||
modkids||
more_bodies||
more_sv||
moreswitches||
move_proto_attr||
mro_clean_isarev||
mro_gather_and_rename||
mro_get_from_name||5.010001|
mro_get_linear_isa_dfs||
mro_get_linear_isa||5.009005|
mro_get_private_data||5.010001|
mro_isa_changed_in||
mro_meta_dup||
mro_meta_init||
mro_method_changed_in||5.009005|
mro_package_moved||
mro_register||5.010001|
mro_set_mro||5.010001|
mro_set_private_data[5.010001]
mul128][n
mulexp10][n
multideref_stringify][n
my_atof2[5.007002]
my_atof[5.006000]
myattrs][n
my_bcopy][n
my_bytes_to_utf8][n
my_bzero][n
my_chsize][n
my_clearenv][n
my_cxt_index][n
my_cxt_init][n
my_sizefd[5.009005][n
my_exit_jump][n
my_exit][n
my_failure_exit[5.004000]
my_fflush_all[5.006000]
my_fork[5.007003][n
my_kid][n
my_lstat_flags][n
my_lstat[5.021008]
my_memcmp][n
my_memset][n
my_pclose[5.003070]
my_popen_list[5.007001]
my_popen[5.003070]
my_setenv][n
my_setlocale][n
my_snprintf[5.009004][pvn
my_socketpair[5.007003][n
my_sprintf[5.009003][pvn
my_stat_flags][n
my_stat[5.021008]
my_strerror[5.021001]
my_strftime[5.007002]
my_strlcat[5.009004][pn
my_strlcpy[5.009004][pn
my_unexec][n
my_vsnprintf[5.009004][n
need_utf8][n
newANONATTRSUB[5.006000]
newANONHASH][n
newANONLIST][n
newANONSUB][n
newASSIGNOP][n
newATTRSUB_x][n

Open Source Used In CSPC_Collector 2.9.1 26660
not_a_number
not_incrementable
nothreadhook
nuke_stacks
num_overflow
oopsAV
oopsHV
op_append_elem
op_append_list
op_clear
op_contextualize
op_convert_list
op_dump
op_free
op_integerize
op_linklist
op_lvalue_flags
op_lvalue
op_null
op_parent
op_prepend_elem
op_refcnt_dec
op_refcnt_inc
op_refcnt_lock
op_refcnt_unlock
op_relocate_sv
op_scope
op_sibling_splice
op_std_init
op_unscope
open_script
openn_cleanup
openn_setup
opmethod_stash
opslab_force_free
opslab_free
opslab_free_nopad
pMY_CXT
pMY_CXT
pTHX
pTHX
packWARN
pack_cat
pack_rec
package_version
package
packlist
pad_add_anon
pad_add_name_pvn|5.015001|
pad_add_name_pvs|5.015001|
pad_add_name_pv|5.015001|
pad_add_name_sv|5.015001|
pad_add_weakref|
pad_alloc_name||
pad_alloc||
pad_block_start||
pad_check_dup||
pad_complname_type|5.009003|
pad_findlex||
pad_findmy_pvn|5.015001|
pad_findmy_pvs|5.015001|
pad_findmy_pv|5.015001|
pad_findmy_sv|5.015001|
pad_fixup_inner_anons||
pad_free||
pad_leavemy||
pad_new|5.008001|
pad_push||
pad_reset||
pad_setsvl||
pad_sv||
pad_swipe||
pad_tidy|5.008001|
padlistDup||
padlist_store||
padname_dup||
padname_free||
padnamelistDup||
padnamelist_fetch|5.021007|
padnamelist_free||
padnamelist_store|5.021007|
parse_arithexpr|5.013008|
parse_barestmt|5.013007|
parse_block|5.013007|
parse_body||
parse_fullexpr|5.013008|
parse_fullstmt|5.013005|
parse_gv_stash_name||
parse_ident||
parse_label|5.013007|
parse_listexpr|5.013008|
parse_lparen_question_flags||
parse_stmtseq|5.013006|
parse_subsignature||
parse_termexpr|5.013008|
parse_unicode_opts||
qsortsvu
quadmath_format_needed
quadmath_format_single
re_compile[5.009005]
re_croak2
re_dup_guts
re_intuit_start[5.019001]
re_intuit_string[5.006000]
re_op_compile
realloc[5.007002]
reentrant_free[5.021008]
reentrant_init[5.021008]
reentrant_retry[5.021008]
reentrant_size[5.021008]
ref_array_or_hash
refcounted_he_chain_2hv
refcounted_he_fetch_pvn
refcounted_he_fetch_pvs
refcounted_he_fetch_pv
refcounted_he_fetch_sv
refcounted_he_free
refcounted_he_inc
refcounted_he_new_pvn
refcounted_he_new_pvs
refcounted_he_new_pv
refcounted_he_new_sv
refcounted_he_value
refkids
refto
reg2Lanode
reg_check_named_buff_matched
reg_named_buff_all[5.009005]
reg_named_buff_exists[5.009005]
reg_named_buff_fetch[5.009005]
reg_named_buff_firstkey[5.009005]
reg_named_buff_iter
reg_named_buff_nextkey[5.009005]
reg_named_buff_scalar[5.009005]
reg_named_buff
reg_node
reg_numbered_buff_fetch
reg_numbered_buff_length
reg_numbered_buff_store
reg_qr_package
reg_recode
reg_scan_name
reg_skipcomment

Open Source Used In CSPC_Collector 2.9.1 26666
<table>
<thead>
<tr>
<th>Function</th>
<th>Time (s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>run_user_filter</td>
<td></td>
</tr>
<tr>
<td>runops_debug</td>
<td>5.005000</td>
</tr>
<tr>
<td>runops_standard</td>
<td>5.005000</td>
</tr>
<tr>
<td>rv2cv_op_cv</td>
<td>5.013006</td>
</tr>
<tr>
<td>rvpv_dup</td>
<td></td>
</tr>
<tr>
<td>rxres_free</td>
<td></td>
</tr>
<tr>
<td>rxres_restore</td>
<td></td>
</tr>
<tr>
<td>rxres_save</td>
<td></td>
</tr>
<tr>
<td>safesyscalloc</td>
<td>5.006000</td>
</tr>
<tr>
<td>safesysfree</td>
<td>5.006000</td>
</tr>
<tr>
<td>safesysmalloc</td>
<td>5.006000</td>
</tr>
<tr>
<td>safesysrealloc</td>
<td>5.006000</td>
</tr>
<tr>
<td>same dirent</td>
<td></td>
</tr>
<tr>
<td>save_116</td>
<td>5.004000</td>
</tr>
<tr>
<td>save_132</td>
<td></td>
</tr>
<tr>
<td>save_18</td>
<td>5.006000</td>
</tr>
<tr>
<td>save_adelete</td>
<td>5.011000</td>
</tr>
<tr>
<td>save_aelem_flags</td>
<td>5.011000</td>
</tr>
<tr>
<td>save_aelem</td>
<td>5.004050</td>
</tr>
<tr>
<td>save_aliased_sv</td>
<td></td>
</tr>
<tr>
<td>save_alloc</td>
<td>5.006000</td>
</tr>
<tr>
<td>save_aptr</td>
<td></td>
</tr>
<tr>
<td>save_ary</td>
<td></td>
</tr>
<tr>
<td>save_bool</td>
<td>5.008001</td>
</tr>
<tr>
<td>save_clearsv</td>
<td></td>
</tr>
<tr>
<td>save_delete</td>
<td></td>
</tr>
<tr>
<td>saveDestructor_x</td>
<td>5.006000</td>
</tr>
<tr>
<td>saveDestructor</td>
<td>5.006000</td>
</tr>
<tr>
<td>save_freeop</td>
<td></td>
</tr>
<tr>
<td>save_freepv</td>
<td></td>
</tr>
<tr>
<td>save_freesv</td>
<td></td>
</tr>
<tr>
<td>save_generic_pvref</td>
<td>5.006001</td>
</tr>
<tr>
<td>save_generic_svref</td>
<td>5.005030</td>
</tr>
<tr>
<td>save_gp</td>
<td>5.004000</td>
</tr>
<tr>
<td>save_hash</td>
<td></td>
</tr>
<tr>
<td>save_hdelete</td>
<td>5.011000</td>
</tr>
<tr>
<td>save_hek_flags</td>
<td></td>
</tr>
<tr>
<td>save_helem_flags</td>
<td>5.011000</td>
</tr>
<tr>
<td>save_helem</td>
<td>5.004050</td>
</tr>
<tr>
<td>save_hints</td>
<td>5.010001</td>
</tr>
<tr>
<td>save_hptr</td>
<td></td>
</tr>
<tr>
<td>save_int</td>
<td></td>
</tr>
<tr>
<td>save_item</td>
<td></td>
</tr>
<tr>
<td>save_iv</td>
<td>5.005000</td>
</tr>
<tr>
<td>save_lines</td>
<td></td>
</tr>
<tr>
<td>save_list</td>
<td></td>
</tr>
<tr>
<td>save_long</td>
<td></td>
</tr>
<tr>
<td>save_magic_flags</td>
<td></td>
</tr>
</tbody>
</table>
strGT||
strLE||
strLT||
strNE||
str_to_version[5.006000]
strip_return||
strnEQ||
strnNE||
study_chunk||
sub_crush_depth||
sublex_done||
sublex_push||
sublex_start||
sv_2bool_flags[5.013006]
sv_2bool||
sv_2cv||
sv_2io||
sv_2iuv_common||
sv_2iuv_non_preserve||
sv_2iv_flags[5.009001]
sv_2iv||
sv_2mortal||
sv_2num||
sv_2nv_flags[5.013001]
sv_2pv_flags[5.007002][p
sv_2pv_nolen[5.006000][p
sv_2pvbyte_nolen[5.006000][p
sv_2pvbyte[5.006000][p
sv_2pvutf8_nolen[5.006000]
sv_2pvutf8[5.006000]
sv_2pv||
sv_2uv_flags[5.009001]
sv_2uv[5.004000][p
sv_add_arena||
sv_add_backref||
sv_backoff][in
sv_bless||
sv_buf_to_ro||
sv_buf_to_rw||
sv_cat_decode[5.008001]
sv_catpv_flags[5.013006]
sv_catpv_mg[5.004050][p
sv_catpv_nomg[5.013006]
sv_catpvf_mg_nocontext][pv
sv_catpvf_mg[5.006000][5.004000][pv
sv_catpvf_nocneter][vn
sv_catpf[5.004000][v
sv_catpvn_flags[5.007002]
sv_catpvn_mg[5.004050]|p
sv_catpvn_nomg[5.007002]|p
sv_catpvn||
sv_catpvs_flags[5.013006]
sv_catpvs_mg[5.013006]
sv_catpvs_nomg[5.013006]
sv_catpvs[5.009003]|p
sv_catpvs||
sv_catsv_flags[5.007002]
sv_catsv_mg[5.004050]|p
sv_catsv_nomg[5.007002]|p
sv_catsv||
sv_chop||
sv_clean_all||
sv_cleanobjs||
sv_clear||
sv_cmp_flags[5.013006]
sv_cmp_locale_flags[5.013006]
sv_cmp_locale[5.004000]
sv_cmp||
sv_collxfrm_flags[5.013006]
sv_collxfrm||
sv_copypv_flags[5.017002]
sv_copypv_nomg[5.017002]
sv_copypv||
sv_dec_nomg[5.013002]
sv_dec||
sv_del_backref||
sv_derived_from_pvn[5.015004]
sv_derived_from_pv[5.015004]
sv_derived_from_sv[5.015004]
sv_derived_from[5.004000]
sv_destroyable[5.010000]
sv_display||
sv_does_pvn[5.015004]
sv_does_pv[5.015004]
sv_does_sv[5.015004]
sv_does[5.009004]
sv_dump||
sv_dup_common||
sv_dup_inc_multiple||
sv_dup_inc||
sv_dup||
sv_eq_flags[5.013006]
sv_eq||
sv_exp_grow||
sv_force_normal_flags[5.007001]
sv_force_normal[5.006000]
sv_uni_display[5.007003]
sv_unmagicext[5.013008]|p
sv_unmagic||
sv_unref_flags[5.007001]
sv_unref||
sv_unpentint[5.004000]
sv_upgrade||
sv_usepvn_flags[5.009004]
sv_usepvn_mg[5.004050]|p
sv_usepvn||
sv_utf8_decode[5.006000]
sv_utf8_downgrade[5.006000]
sv_utf8_encode[5.006000]
sv_utf8_upgrade[5.007001]
sv_utf8_upgrade[5.007001]
sv_utf8_upgrade_flags[5.011000]
sv_utf8_upgrade_flags[5.007002]
sv_utf8_upgrade_nomg[5.007002]
sv_utf8_upgrade[5.007001]
sv_uv[5.005000]|p
sv_vcatpvf_mg[5.006000|5.004000]|p
sv_vcatpvfn_flags[5.017002]
sv_vcatpvfn[5.004000]
sv_vcatpvf[5.006000|5.004000]|p
sv_vsetpvf_mg[5.006000|5.004000]|p
sv_vsetpvfn[5.004000]
sv_vsetpvf[5.006000|5.004000]|p
svtype||
swallow_bom||
swash_fetch[5.007002]
swash_init[5.006000]
swash_scan_list_line||
swatch_get||
sync_locale[5.021004]
sys_init3[5.010000]|n
sys_init[5.010000]|n
sys_intern_clear||
sys_intern_dup||
sys_intern_init||
sys_term[5.010000]|n
taint_env||
taint_proper||
tied_method||v
tmps_grow_.p||
toFOLD_uni[5.007003]
toFOLD_utf8[5.019001]
toFOLD[5.019001]
toLOWER_L1[5.019001]
toLOWER_LC[5.004000]
toLOWER_uni[5.007003]
toLOWER_utf8[5.015007]
toLOWER||
toTITLE_uni[5.007003]
toTITLE_utf8[5.015007]
toTITLE||5.019001|
toUPPER_uni[5.007003]
toUPPER_utf8[5.015007]
toUPPER|||
to_byte_substr||
to_lower_latin1||n
to_uni_fold[5.007003]
to_uni_lower_lc[5.006000]
to_uni_lower[5.007003]
to_uni_title_lc[5.006000]
to_uni_title[5.007003]
to_uni_upper_lc[5.006000]
to_uni_upper[5.007003]
to_utf8_case[5.007003]
to_utf8_fold[5.015007]
to_utf8_lower[5.015007]
to_utf8_substr||
to_utf8_title[5.015007]
to_utf8_upper[5.015007]
tokenize_use||
tokeq||
tokereport||
too_few_arguments_pv||
too_many_arguments_pv||
translate_substr_offsets||n
try_amagic_bin||
try_amagic_un||
uiv_2buf||n
unhk||
unpack_rec||
unpack_str[5.007003]
unpackstring[5.008001]
unreferenced_to_tmp_stack|||
unshare_hek_or_pvn|||
unshare_hek||
unsharepvn[5.003070]
unwind_handler_stack|||
update_debugger_info|||
upg_version[5.009005]
age||
utf16_textfilter|||
utf16_to_utf8_reversed[5.006001]
utf16_to_utf8[5.006001]
utf8_distance[5.006000]
whichsig_sv||5.015004|
whichsig|||
win32_croak_not_implemented|||n
with_queued_errors|||
wrap_op_checker||5.015008|
write_to_stderr|||
xs_boot_epilog|||
xs_handshake|||vn
xs_version_bootcheck|||
yyerror_pvn|||
yyerror_pv|||
yyerror|||
yylex|||
yyparse|||
yyunlex|||
yywarn|||
);
if (exists $opt{'list-unsupported'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{todo};
print "$f ", '.'x(40-length($f)), " ", format_version($API{$f}{todo}), "\n";
}
exit 0;
}
# Scan for possible replacement candidates
my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;
my($hint, $define, $function);
sub find_api
{
my $code = shift;
$code =~ s{
/ (?: \*[^*]*\*+(?:[^$ccs][^*]*\*+)* / | /[^\r\n]*)
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^'\\]*(?:\\.[^'\\]*)*' }{}egsx;
grep { exists $API{$_} } $code =~ /(\w+)/mg;
}
while (<DATA>) {
if ($hint) {
my $h = $hint->[0] eq 'Hint' ? \%hints : \%warnings;
if (m{^\s*\*\s(.*?)\s*$}) {
for (@{$hint->[1]}) {

Open Source Used In CSPC_Collector 2.9.1 26678


sh->{$_} ||= ''; # suppress warning with older perls
sh->{$_} := "$1
";
}
}
else { undef $hint }
}

$hint = [S1, [split /,?s+/, S2]]
if m{^\s*#s*rcce\s+(Hint|Warning):\s+\(w+\(?s+\w+\)?\)s*\$};

if ($define) {
  if ($define->[1] =~ /\$/) {
    $define->[1] := $;
  } else {
    if (exists $API{$define->[0]} & & $define->[1] !~ /^DPPP_\$/) {
      my @n = find_api($define->[1]);
      push @{$depends{$define->[0]}}, @n if @n
    }
    undef $define;
  }
}

$define = [S1, S2] if m{^\s*#s*define\s+\(w+\)?([^}]*)\)s+\(.*\)\$};

if ($function) {
  if (/\$/) {
    if (exists $API{$function->[0]}) {
      my @n = find_api($function->[1]);
      push @{$depends{$function->[0]}}, @n if @n
    }
    undef $function;
  } else {
    $function->[1] := ";
  }
}

$function = [S1, ""] if m{^DPPP_\(my_(\w+)\)\$};

$replace = S1 if m{^\s*#s*rcce\s+Replace:\s+(\d+)\s+\(.*\)\$};
$replace(S2) = S1 if $replace and m{^\s*#s*define\s+\(\w+\)?([^}]*)\)s+\(\w+\)\$};
$replace(S2) = S1 if m{^\s*#s*define\s+\(\w+\)?([^}]*)\)s+\(\w+\).*\s+\(.*\)\$};
$replace(S1) = S2 if m{^\s*rcce\s+Replace \(\w+\) with \(\w+\)\$};

if (m{^\s*rcce\s+\(\w+\)?\s+\(\w+\)?\s+?:s*\(\w+\)?\s+\(\w+\)?\s+\(\w+\)\$}) {
  my @deps = map { s/s\s+//g; $_ } split /,/ S3;
  my $d;
for $d (map { s\A\s+/g; $\_ } split /, $1) {
    push @{$depends{$d}}, @deps;
}

$need{$1} = 1 if m{^#if \sd+\s+defined\(\w+)(?\w+)?\_GLOBAL\)\w?\$};
}

for (values %depends) {
    my %s;
    $s = [sort grep !$s{$_}++, @$_];
}

if (exists $opt{'api-info'}) {
    my $f;
    my $count = 0;
    my $match = Sopt{'api-info'} =~ m!^\w+/@!/ ? $1 : "^Q$Sopt{'api-info'}\E$";
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $f =~ /$match/;
        print "\n== $f ==\n\n";
        my $info = 0;
        if ($API{$f}{base} || $API{$f}{todo}) {
            my $base = format_version($API{$f}{base} || $API{$f}{todo});
            print "Supported at least starting from perl-$base:\n";
            $info++;
        }
        if ($API{$f}{provided}) {
            my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";
            print "Support by $ppport provided back to perl-$todo:\n";
            print "Support needs to be explicitly requested by NEED_$f\n" if exists $need{$f};
            print "Depends on: \", join(', ', @{$depends{$f}}), \"\n" if exists $depends{$f};
            print "\nHints[$f]" if exists $hints{$f};
            print "\nWARNING:\nWarnings[$f]" if exists $warnings{$f};
            $info++;
        }
        print "No portability information available.\n" unless $info;
        $count++;
    }
    $count or print "Found no API matching '$opt{'api-info'}'.\n";
    print "\n";
    exit 0;
}

if (exists $opt{'list-provided'}) {
    my $f;
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $API{$f}{provided};
        my @flags;
push @flags, 'explicit' if exists $need{$f};
push @flags, 'depend' if exists $depends{$f};
push @flags, 'hint' if exists $hints{$f};
push @flags, 'warning' if exists $warnings{$f};
my $flags = @flags ? ['join(', ', ', @flags).'] : "";
print "$flags"
;
exit 0;
}

my @files;
my @srcext = qw( .xs .c .h .cc .cpp -c.inc -xs.inc );
my $srcext = join '|', map { quotemeta $_ } @srcext;

if (@ARGV) {
  my %seen;
  for (@ARGV) {
    if (-e) {
      if (-f) {
        push @files, $_ unless $seen{$_}++;
      } else { warn "$_ is not a file.\n" }
    } else {
      my @new = grep { -f } glob $_
        or warn "$_ does not exist.\n";
      push @files, grep { !$seen{$_}++ } @new;
    }
  }
} else {
  eval { require File::Find;
    File::Find::find(sub {
      $File::Find::name =~ /($srcext)$/i
      and push @files, $File::Find::name;
    }, '.');
  } if ($@) {
    @files = map { glob "*$_" } @srcext;
  }
}

if (!@ARGV || $opt{filter}) {
  my(@in, @out);
  my %xsc = map { /^(.*)\.xs$/ ? { "$1.c" => 1, "$1.cc" => 1 } : () } @files;
  for (@files) {
    my $out = exists $xsc{$_} || Ab|Q$ppport\ES/i || !(@$srcext)$i;
  }
}

Open Source Used In CSPC_Collector 2.9.1 26681
push @{ $out ? \@out : \@in }, $_;
}
if (@ARGV && @out) {
warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
}
@files = @in;
}
die "No input files given!\n" unless @files;
my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;
for $filename (@files) {
unless (open IN, "<$filename") {
warn "Unable to read from $filename: $!\n";
next;
}
info("Scanning $filename ...");
my $c = do { local $/; <IN> };
close IN;
my %file = (orig => $c, changes => 0);
# Temporarily remove C/XS comments and strings from the code
my @ccom;
$c =~ s{
( ^$HS*\#$HS*include\b[^\r\n]+\b(?:\Q$ppport\E|XSUB\.h)\b[^\r\n]*
| ^$HS*\#$HS*(?:define|elif|if(?:def)?)\b[^\r\n]* )
| ( ^$HS*\#[^\r\n]*
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^'\\]*(?:\\.[^'\\]*)*'
| / (?: \*[^*]*\*+(?:[^$ccs][^*]*\*+)* / | /[^\r\n]* ) )
}{ defined $2 and push @ccom, $2;
defined $1 ? $1 : "$ccs$#ccom$cce" }mgsex;
$file{ccom} = \@ccom;
$file{code} = $c;
$file{has_inc_ppport} = $c =~ /^$HS*#$HS*include[^\r\n]+\b\Q$ppport\E\b/m;
my $func;
for $func (keys %API) {

Open Source Used In CSPC_Collector 2.9.1 26682


my $match = $func;
$match .= "|\$\text{revreplace}\text{\$func}" if exists $\text{revreplace}\text{\$func};
if ($c =~ /\Ab\text{\$\text{Perl}\_}\text{\$match}\b/) {
  $file\{\text{uses\_replace}\}\text{\$1}++ if exists $\text{revreplace}\text{\$func} &\& \$1 eq $\text{revreplace}\text{\$func};
  $file\{\text{uses\_Perl}\}\text{\$func}++ if $c =~ /\Ab\text{\$func}\b/;
if (exists $\text{API}\text{\$func} \{\text{provided}\}) {
  $file\{\text{uses\_provided}\}\text{\$func}++;
  if (!exists $\text{API}\text{\$func} \{\text{base}\} || $\text{API}\text{\$func} \{\text{base}\} > \text{\$\text{opt\text{\{}\text{compat\text{-version}}}\}}) {
    $file\{\text{uses}\}\text{\$func}++;
    my \@deps = rec\_depend($func);
    if (@deps) {
      $file\{\text{uses\_deps}\}\text{\$func} = \@deps;
      for (@deps) {
        $file\{\text{uses}\}\text{\$_} = 0 unless exists $file\{\text{uses}\}\text{\$_};
      }
    }
    for ($func, @deps) {
      $file\{\text{needs}\}\text{\$_} = 'static' if exists $\text{sneed}\text{\$_};
    }
  }
}
if (exists $\text{API}\text{\$func} \{\text{todo}\} &\& $\text{API}\text{\$func} \{\text{todo}\} > \text{\$\text{opt\text{\{}\text{compat\text{-version}}}\}}) {
  if ($c =~ /\Ab\text{\$func}\b/) {
    $file\{\text{uses\_todo}\}\text{\$func}++;
  }
}
}
while ($c =~ /\Ab\text{\$\text{NEED\_}\text{\w+?}(\text{\_GLOBAL}?)\b/igm) {
  if (exists $\text{sneed}\text{\$2}) {
    $file\{\text{defined} \text{\$3} ? 'needed\_global' : 'needed\_static'}\text{\$2}++;
  } else { warning("Possibly wrong \#define \$1 in $\text{filename}\") }
}
for (qw(uses needs uses\_todo needed\_global needed\_static)) {
  for $func (keys %{$file\{\$_\}}) {
    push @$\text{global}\text{\$_}\{\text{\$func}\}, $\text{filename};
  }
}
$files\{\text{\$filename}\} = \%file;
}

# Globally resolve NEED\_s
my $\text{sneed};
for $\text{sneed} (keys %{$\text{global}\{\text{needs}\}}) {

if (@{$global{needs}{$need}} > 1) {
my @targets = @{$global{needs}{$need}};
my @t = grep $files{$_}{needed_global}{$need}, @targets;
@targets = @t if @t;
@t = grep /\.xs$/i, @targets;
@targets = @t if @t;
my $target = shift @targets;
$files{$target}{needs}{$need} = 'global';
for (@{$global{needs}{$need}}) {
$files{$_}{needs}{$need} = 'extern' if $_ ne $target;
}
}
}
for $filename (@files) {
exists $files{$filename} or next;
info("=== Analyzing $filename ===");
my %file = %{$files{$filename}};
my $func;
my $c = $file{code};
my $warnings = 0;
for $func (sort keys %{$file{uses_Perl}}) {
if ($API{$func}{varargs}) {
unless ($API{$func}{nothxarg}) {
my $changes = ($c =~ s{\b(Perl_$func\s*\(\s*)(?!aTHX_?)(\)|[^\s)]*\))}
{ $1 . ($2 eq ')' ? 'aTHX' : 'aTHX_ ') . $2 }ge);
if ($changes) {
warning("Doesn't pass interpreter argument aTHX to Perl_$func");
$file{changes} += $changes;
}
}
}
else {
warning("Uses Perl_$func instead of $func");
$file{changes} += ($c =~ s{\bPerl_$func(\s*)\((\s*aTHX_?)?\s*}
{$func$1(}g);
}
}
for $func (sort keys %{$file{uses_replace}}) {
warning("Uses $func instead of $replace{$func}");
$file{changes} += ($c =~ s/\b$func\b/$replace{$func}/g);
}
for $func (sort keys %{$file{uses_provided}}) {

Open Source Used In CSPC_Collector 2.9.1 26684


if ($file{uses}->{$func}) {
    if (exists $file{uses_deps}->{$func}) {
        diag("Uses $func, which depends on ", join(’,’, @{$file{uses_deps}->{$func}}));
    }
    else {
        diag("Uses $func");
    }
}
$warnings += hint($func);

unless ($opt{quiet}) {
    for $func (sort keys %{$file{uses_todo}}) {
        print "*** WARNING: Uses $func, which may not be portable below perl ",
        format_version($API{$func}{todo}), ", even with '$ppport\n";
        $warnings++;
    }
}

for $func (sort keys %{$file{needed_static}}) {
    my $message = ";
    if (not exists $file{uses}->{$func}) {
        $message = "No need to define NEED_$func if $func is never used";
    }
    elsif (exists $file{needs}->{$func} && $file{needs}->{$func} ne 'static') {
        $message = "No need to define NEED_$func when already needed globally";
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_$func\b.*$LF//mg);
    }
}

for $func (sort keys %{$file{needed_global}}) {
    my $message = ";
    if (not exists $global{uses}->{$func}) {
        $message = "No need to define NEED_${func}_GLOBAL if $func is never used";
    }
    elsif (exists $file{needs}->{$func}) {
        if ($file{needs}->{$func} eq 'extern') {
            $message = "No need to define NEED_${func}_GLOBAL when already needed globally";
        }
        elsif ($file{needs}->{$func} eq 'static') {
            $message = "No need to define NEED_${func}_GLOBAL when only used in this file";
        }
    }
    if ($message) {
        diag($message);
    }
}
$file{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_$func\b.*$LF//mg);

$field{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_$func\b.*$LF//mg);

$field{needs_inc_ppport} = keys %{$file{uses}};

if ($file{needs_inc_ppport}) {
    my $pp = ";

    for $func (sort keys %{$file{needs}})) {
        my $type = $file{needs}[$func];
        next if $type eq 'extern';
        my $suffix = $type eq 'global' ? '_GLOBAL' : ";
        if ($type eq 'global') {
            diag("Files [@{ $global{needs}{$func} }] need $func, adding global request");
        } else {
            diag("File needs $func, adding static request");
        }
        $pp .= 
    }

    unless ($file{has_inc_ppport}) {
        diag("Includes '$ppport'");
        $pp .= include "$ppport"
    }

    if ($pp) {
        $file{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_$func$suffix\b.*$LF//mg);
        $file{changes} += ($c =~ s/^(?=$HS*#$HS*include.*\Q$ppport\E.*$LF)/$pp/m);
        $file{changes} += ($c =~ s/^(?=$HS*#$HS*include.*\Q$ppport\E.*$LF)/$pp/m);
        $file{changes} += ($c =~ s/\Q$ppport\E.*$LF)/$pp/);
    }

    } else {
        if ($file{has_inc_ppport}) {
            diag("No need to include '$ppport'");
            $file{changes} += ($c =~ s/\Q$ppport\E.*$LF)/$pp/m);
        }
    }
}
# put back in our C comments
my $ix;
my $cppc = 0;
my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
    if (!$opt{cplusplus} && $ccom[$ix] =~ s!^//!!) {
        $cppc++;
        $file{changes} += $c =~ s/$rccs$ix$rcce/$ccs$ccom[$ix] $cce/;
    } else {
        $c =~ s/$rccs$ix$rcce/$ccom[$ix]/;
    }
}

if ($cppc) {
    my $s = $cppc != 1 ? 's' : '';
    warning("Uses $cppc C++ style comment
This is not portable");
}

my $s = $warnings != 1 ? 's' : '';
my $warn = $warnings ? " ($warnings warning$s)" : '';
info("Analysis completed$warn");

if ($file{changes}) {
    if (exists $opt{copy}) {
        my $newfile = "$filename$opt{copy}";
        if (-e $newfile) {
            error("$newfile already exists, refusing to write copy of "$filename"");
        } else {
            local *F;
            if (open F, ">$newfile") {
                info("Writing copy of "$filename" with changes to "$newfile"");
                print F $c;
                close F;
            } else {
                error("Cannot open "$newfile" for writing: $!");
            }
        }
    } elsif (exists $opt{patch} || $opt{changes}) {
        if (exists $opt{patch}) {
            unless ($patch_opened) {
                if (open PATCH, ">$opt{patch}") {
                    $patch_opened = 1;
                } else {
                
```
error("Cannot open '$opt{patch}' for writing: $!");
delete $opt{patch};
$opt{changes} = 1;
goto fallback;
}
}
mydiff(*PATCH, $filename, $c);
}
else {
    fallback:
        info("Suggested changes:");
        mydiff(*STDOUT, $filename, $c);
    }
}
else {
    my $s = $file{changes} == 1 ? '' : 's';
    info("$file{changes} potentially required change$s detected");
}
}
else {
    info("Looks good");
}

close PATCH if $patch_opened;

exit 0;

sub try_use { eval "use @_;"; return $@ eq "" }

sub mydiff
{
local *F = shift;
my($file, $str) = @_; 
my $diff;

if (exists $opt{diff}) {
    $diff = run_diff($opt{diff}, $file, $str);
}

if ('defined $diff and try_use("Text::Diff")') {
    $diff = Text::Diff::diff($file, $str, { STYLE => 'Unified' });
    $diff = <<HEADER . $diff;
--- $file
+++ $file.patched
HEADER
}
if (!defined $diff) {
    $diff = run_diff('diff -u', $file, $str);
}

if (!defined $diff) {
    $diff = run_diff('diff', $file, $str);
}

if (!defined $diff) {
    error("Cannot generate a diff. Please install Text::Diff or use --copy.");
    return;
}

print F $diff;
}

sub run_diff
{
    my($prog, $file, $str) = @_; 
    my $tmp = 'dppptemp';
    my $suf = 'aaa';
    my $diff = "";
    local *F;

    while (-e "$tmp.$suf") { $suf++ }
    $tmp = "$tmp.$suf";

    if (open F, ">$tmp") {
        print F $str;
        close F;

        if (open F, "<$tmp") {
            while (<F>) {
                s/\Q$tmp\E/$file.patched/;
                $diff .= $_;
            }
            close F;
            unlink $tmp;
            return $diff;
        }
    } else {
        error("Cannot open '$tmp' for writing: $!");
    }

    unlink $tmp;
}
return undef;
}

sub rec_depend
{
  my($func, $seen) = @_; 
  return () unless exists $depends{$func};
  $seen = %{$seen||{}};
  return () if $seen->{$func}++; 
  my %s;
  grep !${$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}};
}

sub parse_version
{
  my $ver = shift;

  if ($ver =~ /^\d+.(\d+).\d+/)
  {
    return ($1, $2, $3);
  }
  elsif ($ver !~ /^\d+\-[\d\-]+$/) 
  {
    die "cannot parse version '$ver\n";
  }

  $ver =~ s/_//g;
  $ver =~ s/$/000000/;

  my($r,$v,$s) = $ver =~ /\d+.(\d\d\d)(\d\d\d)/;

  $v = int $v;
  $s = int $s;

  if ($r < 5 || ($r == 5 && $v < 6)) 
  {
    if ($s % 10) 
    {
      die "cannot parse version '$ver\n";
    }
  }

  return ($r, $v, $s);
}

sub format_version
{
  my $ver = shift;
  $ver =~ s/$/000000/;
  my($r,$v,$s) = $ver =~ /\d+.(\d\d\d)(\d\d\d)/;

  $r = int $r;
  $v = int $v;
  $s = int $s;

  if ($r < 5 || ($r == 5 && $v < 6)) 
  {
    if ($s % 10) 
    {
      die "cannot parse version '$ver\n";
    }
  }

  return ($r, $v, $s);
}
$v = int $v;
$s = int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
    if ($s % 10) {
        die "invalid version '$ver'
    }
    $s /= 10;

    $ver = sprintf "%d.%03d", $r, $v;
    $s > 0 and $ver .= sprintf "_%02d", $s;
    return $ver;
}

return sprintf "%d.%d.%d", $r, $v, $s;

sub info
{
    $opt{quiet} and return;
    print @_, "\n";
}

sub diag
{
    $opt{quiet} and return;
    $opt{diag} and print @_, "\n";
}

sub warning
{
    $opt{quiet} and return;
    print "*** ", @_, "\n";
}

sub error
{
    print "*** ERROR: ", @_, "\n";
}

my %given_hints;
my %given_warnings;
sub hint
{
    $opt{quiet} and return;
    my $func = shift;
    my $rv = 0;
if (exists $warnings{$func} && !$given_warnings{$func}++) {
my $warn = $warnings{$func};
$warn =~ s!^!*** !mg;
print "*** WARNING: $func\n", $warn;
$rv++;
}
if ($opt{hints} && exists $hints{$func} && !$given_hints{$func}++) {
my $hint = $hints{$func};
$hint =~ s/^/ /mg;
print " --- hint for $func ---\n", $hint;
}
$rv;
}
sub usage
{
my($usage) = do { local(@ARGV,$/)=($0); <> } =~ /^=head\d$HS+SYNOPSIS\s*^(.*?)\s*^=/ms;
my %M = ( 'I' => '*' );
$usage =~ s/^\s*perl\s+\S+/$^X $0/;
$usage =~ s/([A-Z])<([^>]+)>/$M{$1}$2$M{$1}/g;
print <<ENDUSAGE;
Usage: $usage
See perldoc $0 for details.
ENDUSAGE
exit 2;
}
sub strip
{
my $self = do { local(@ARGV,$/)=($0); <> };
my($copy) = $self =~ /^=head\d\s+COPYRIGHT\s*^(.*?)^=\w+/ms;
$copy =~ s/^(?=\S+)/ /gms;
$self =~ s/^$HS+Do NOT edit.*?(?=^-)/$copy/ms;
$self =~ s/^SKIP.*(?=^__DATA__)/SKIP
if (\@ARGV && \$ARGV[0] eq '--unstrip') {
eval { require Devel::PPPort };
\$@ and die "Cannot require Devel::PPPort, please install.\\n";
if (eval \$Devel::PPPort::VERSION < $VERSION) {
die "$0 was originally generated with Devel::PPPort $VERSION.\\n"
. "Your Devel::PPPort is only version \$Devel::PPPort::VERSION.\\n"
. "Please install a newer version, or --unstrip will not work.\\n";
}
Devel::PPPort::WriteFile(\$0);

Open Source Used In CSPC_Collector 2.9.1 26692


exit 0;
}
print <<END;
Sorry, but this is a stripped version of \$0.
To be able to use its original script and doc functionality,
please try to regenerate this file using:
\$^X \$0 --unstrip
END

/open_source_used_in_cspc_collector_2.9.1_26693

__DATA__
*/

Found in path(s):
No license file was found, but licenses were detected in source scan.

=head1 NAME

threads - Perl interpreter-based threads

=head1 VERSION

This document describes threads version 2.21

=head1 WARNING
The "interpreter-based threads" provided by Perl are not the fast, lightweight system for multitasking that one might expect or hope for. Threads are implemented in a way that make them easy to misuse. Few people know how to use them correctly or will be able to provide help.

The use of interpreter-based threads in perl is officially discouraged.

=head1 SYNOPSIS

use threads ('yield',
    'stack_size' => 64*4096,
    'exit' => 'threads_only',
    'stringify');

sub start_thread {
    my @args = @_;
    print("Thread started: ", join(" ", args), 

}my $thr = threads->create('start_thread', 'argument');
$thr->join();

threads->create(sub { print("I am a thread\n"); })->join();

my $thr2 = async { foreach (@files) { ... } }
$thr2->join();
if (my $err = $thr2->error) {
    warn("Thread error: $err\n");
}

# Invoke thread in list context (implicit) so it can return a list
my ($thr) = threads->create(sub { return (qw/ a b c/); });
# or specify list context explicitly
my $thr = threads->create({'context' => 'list'},
    sub { return (qw/ a b c/); });
my @results = $thr->join();

$thr->detach();

# Get a thread's object
$thr = threads->self();
$thr = threads->object($tid);

# Get a thread's ID
$tid = threads->tid();
$tid = $thr->tid();
$tid = "$thr";
# Give other threads a chance to run
threads->yield();
yield();

# Lists of non-detached threads
my @threads = threads->list();
my $thread_count = threads->list();

my @running = threads->list(threads::running);
my @joinable = threads->list(threads::joinable);

# Test thread objects
if ($thr1 == $thr2) {
    ...
}

# Manage thread stack size
$stack_size = threads->get_stack_size();
$old_size = threads->set_stack_size(32*4096);

# Create a thread with a specific context and stack size
my $thr = threads->create(
    {'context' => 'list',
     'stack_size' => 32*4096,
     'exit' => 'thread_only'},
    \&foo);

# Get thread's context
my $wantarray = $thr->wantarray();

# Check thread's state
if ($thr->is_running()) {
    sleep(1);
}
if ($thr->is_joinable()) {
    $thr->join();
}

# Send a signal to a thread
$thr->kill('SIGUSR1');

# Exit a thread
threads->exit();

=head1 DESCRIPTION

Since Perl 5.8, thread programming has been available using a model called
I<interpreter threads> which provides a new Perl interpreter for each
thread, and, by default, results in no data or state information being shared
between threads.
(Prior to Perl 5.8, I<5005threads> was available through the C<Thread.pm> API.
This threading model has been deprecated, and was removed as of Perl 5.10.0.)
As just mentioned, all variables are, by default, thread local. To use shared
variables, you need to also load L<threads::shared>:
use threads;
use threads::shared;
When loading L<threads::shared>, you must C<use threads> before you
C<use threads::shared>. (C<threads> will emit a warning if you do it the
other way around.)
It is strongly recommended that you enable threads via C<use threads> as early
as possible in your script.
If needed, scripts can be written so as to run on both threaded and
non-threaded Perls:
my $can_use_threads = eval 'use threads; 1';
if ($can_use_threads) {
# Do processing using threads
...
} else {
# Do it without using threads
...
}
=over
=item $thr = threads->create(FUNCTION, ARGS)
This will create a new thread that will begin execution with the specified
entry point function, and give it the I<ARGS> list as parameters. It will
return the corresponding threads object, or C<undef> if thread creation failed.
I<FUNCTION> may either be the name of a function, an anonymous subroutine, or
a code ref.
my $thr = threads->create('func_name', ...);
# or
my $thr = threads->create(sub { ... }, ...);
# or
my $thr = threads->create(\&func, ...);
The C<-E<gt>new()> method is an alias for C<-E<gt>create()>.

Open Source Used In CSPC_Collector 2.9.1 26696


This will wait for the corresponding thread to complete its execution. When the thread finishes, \texttt{join()} will return the return value(s) of the entry point function.

The context (void, scalar or list) for the return value(s) for \texttt{join()} is determined at the time of thread creation.

```perl
# Create thread in list context (implicit)
my ($thr1) = threads->create(sub {
    my @results = qw(a b c);
    return (@results);
});
# or (explicit)
my $thr1 = threads->create({'context' => 'list'},
    sub {
        my @results = qw(a b c);
        return (@results);
    });
# Retrieve list results from thread
my @res1 = $thr1->join();

# Create thread in scalar context (implicit)
my $thr2 = threads->create(sub {
    my $result = 42;
    return ($result);
});
# Retrieve scalar result from thread
my $res2 = $thr2->join();

# Create a thread in void context (explicit)
my $thr3 = threads->create({'void' => 1},
    sub { print("Hello, world\n"); });
# Join the thread in void context (i.e., no return value)
$thr3->join();
```

See \texttt{THREAD CONTEXT} for more details.

If the program exits without all threads having either been joined or detached, then a warning will be issued.

Calling \texttt{join()} or \texttt{detach()} on an already joined thread will cause an error to be thrown.

```perl
=item $thr->detach()
```
Makes the thread unjoinable, and causes any eventual return value to be
discarded. When the program exits, any detached threads that are still
running are silently terminated.

If the program exits without all threads having either been joined or
detached, then a warning will be issued.

Calling C<-E<gt>join()> or C<-E<gt>detach()> on an already detached thread
will cause an error to be thrown.

=item threads->detach()

Class method that allows a thread to detach itself.

=item threads->self()

Class method that allows a thread to obtain its own I<threads> object.

=item $thr->tid()

Returns the ID of the thread. Thread IDs are unique integers with the main
thread in a program being 0, and incrementing by 1 for every thread created.

=item threads->tid()

Class method that allows a thread to obtain its own ID.

=item "$thr"

If you add the C<stringify> import option to your C<use threads> declaration,
then using a threads object in a string or a string context (e.g., as a hash
key) will cause its ID to be used as the value:

use threads qw(stringify);

my $thr = threads->create(...);
print("Thread $thr started\n");  # Prints: Thread 1 started

=item threads->object($tid)

This will return the I<threads> object for the I<active> thread associated
with the specified thread ID. If C<$tid> is the value for the current thread,
then this call works the same as C<-E<gt>self()>. Otherwise, returns C<undef>
if there is no thread associated with the TID, if the thread is joined or
detached, if no TID is specified or if the specified TID is undefined.

=item threads->yield()
This is a suggestion to the OS to let this thread yield CPU time to other threads. What actually happens is highly dependent upon the underlying thread implementation.

You may do `C<use threads qw(yield)>`, and then just use `C<yield()>` in your code.

=item threads->list()

=item threads->list(threads::all)

=item threads->list(threads::running)

=item threads->list(threads::joinable)

With no arguments (or using `C<threads::all>`) and in a list context, returns a list of all non-joined, non-detached `I<threads>` objects. In a scalar context, returns a count of the same.

With a `true` argument (using `C<threads::running>`), returns a list of all non-joined, non-detached `I<threads>` objects that are still running.

With a `false` argument (using `C<threads::joinable>`), returns a list of all non-joined, non-detached `I<threads>` objects that have finished running (i.e., for which `C<-E<gt>join()>` will not `I<brack>`).

=item $thr1->equal($thr2)

Tests if two threads objects are the same thread or not. This is overloaded to the more natural forms:

if ($thr1 == $thr2) {
    print("Threads are the same\n");
}
# or
if ($thr1 != $thr2) {
    print("Threads differ\n");
}

(Thread comparison is based on thread IDs.)

=item async BLOCK;

`C<async>` creates a thread to execute the block immediately following it. This block is treated as an anonymous subroutine, and so must have a semicolon after the closing brace. Like `C<threads-E<gt>create()>`, `C<async>` returns a `I<threads>` object.
=item $thr->error()

Threads are executed in an \texttt{eval} context. This method will return \texttt{undef} if the thread terminates \texttt{normally}. Otherwise, it returns the value of \texttt{$_} associated with the thread's execution status in its \texttt{eval} context.

=item $thr->_handle()

This \texttt{private} method returns a pointer (i.e., the memory location expressed as an unsigned integer) to the internal thread structure associated with a threads object. For Win32, this is a pointer to the \texttt{HANDLE} value returned by \texttt{CreateThread} (i.e., \texttt{HANDLE *}); for other platforms, it is a pointer to the \texttt{pthread_t} structure used in the \texttt{pthread_create} call (i.e., \texttt{pthread_t *}).

This method is of no use for general Perl threads programming. Its intent is to provide other (XS-based) thread modules with the capability to access, and possibly manipulate, the underlying thread structure associated with a Perl thread.

=item threads->_handle()

Class method that allows a thread to obtain its own \texttt{handle}.

=back

=head1 EXITING A THREAD

The usual method for terminating a thread is to \texttt{return EXPR} from the entry point function with the appropriate return value(s).

=over

=item threads->exit()

If needed, a thread can be exited at any time by calling \texttt{threads->exit()}. This will cause the thread to return \texttt{undef} in a scalar context, or the empty list in a list context.

When called from the \texttt{main} thread, this behaves the same as \texttt{exit(0)}.

=item threads->exit(status)

When called from a thread, this behaves like \texttt{threads->exit()} (i.e., the exit status code is ignored).

When called from the \texttt{main} thread, this behaves the same as \texttt{exit(status)}.
Calling \texttt{C<die()>} in a thread indicates an abnormal exit for the thread. Any \texttt{C<$SIG{\_\_DIE\_\_}>} handler in the thread will be called first, and then the thread will exit with a warning message that will contain any arguments passed in the \texttt{C<die()>} call.

Calling \texttt{L<exit()|perlfunc/"exit EXPR">} inside a thread causes the whole application to terminate. Because of this, the use of \texttt{C<exit()>} inside threaded code, or in modules that might be used in threaded applications, is strongly discouraged.

If \texttt{C<exit()>} really is needed, then consider using the following:

\begin{verbatim}
    threads->exit() if threads->can('exit');  # Thread friendly
    exit(status);
\end{verbatim}

This globally overrides the default behavior of calling \texttt{C<exit()>} inside a thread, and effectively causes such calls to behave the same as \texttt{C<threads-E<gt>exit()>}. In other words, with this setting, calling \texttt{C<exit()>} causes only the thread to terminate.

Because of its global effect, this setting should not be used inside modules or the like.

The \texttt{I<main>} thread is unaffected by this setting.

\begin{verbatim}
    threads->create({'exit' => 'thread_only'}, ...)
\end{verbatim}

This overrides the default behavior of \texttt{C<exit()>} inside the newly created thread only.

\begin{verbatim}
    $thr->set_thread_exit_only(boolean)
\end{verbatim}

This can be used to change the \texttt{I<exit thread only>} behavior for a thread after it has been created. With a \texttt{I<true>} argument, \texttt{C<exit()>} will cause only the thread to exit. With a \texttt{I<false>} argument, \texttt{C<exit()>} will terminate the application.

The \texttt{I<main>} thread is unaffected by this call.
Class method for use inside a thread to change its own behavior for `C<exit()>`.

The `I<main>` thread is unaffected by this call.

=head1 THREAD STATE

The following boolean methods are useful in determining the `I<state>` of a thread.

=item $thr->is_running()

Returns true if a thread is still running (i.e., if its entry point function has not yet finished or exited).

=item $thr->is_joinable()

Returns true if the thread has finished running, is not detached and has not yet been joined. In other words, the thread is ready to be joined, and a call to `C<$thr-E<gt>join()>` will not `I<block>`.

=item $thr->is_detached()

Returns true if the thread has been detached.

=item threads->is_detached()

Class method that allows a thread to determine whether or not it is detached.

=head1 THREAD CONTEXT

As with subroutines, the type of value returned from a thread's entry point function may be determined by the thread's `I<context>`: list, scalar or void. The thread's context is determined at thread creation. This is necessary so that the context is available to the entry point function via `L<wantarray()>`. The thread may then specify a value of the appropriate type to be returned from `C<-E<gt>join()>`.

=head2 Explicit context

Because thread creation and thread joining may occur in different contexts, it may be desirable to state the context explicitly to the thread's entry point function. This may be done by calling `C<-E<gt>create()>` with a hash reference
as the first argument:

```perl
my $thr = threads->create({'context' => 'list'}, \&foo);
...
my @results = $thr->join();
```

In the above, the threads object is returned to the parent thread in scalar context, and the thread's entry point function `C<foo>` will be called in list (array) context such that the parent thread can receive a list (array) from the `C<-E<gt>join()>` call. (C<'array'> is synonymous with C<'list'>.)

Similarly, if you need the threads object, but your thread will not be returning a value (i.e., I<void> context), you would do the following:

```perl
my $thr = threads->create({'context' => 'void'}, \&foo);
...
$thr->join();
```

The context type may also be used as the I<key> in the hash reference followed by a I>true> value:

```perl
threads->create({'scalar' => 1}, \&foo);
...
my ($thr) = threads->list();
my $result = $thr->join();
```

=head2 Implicit context

If not explicitly stated, the thread's context is implied from the context of the `C<-E<gt>create()>` call:

```perl
# Create thread in list context
my ($thr) = threads->create(...);

# Create thread in scalar context
my $thr = threads->create(...);

# Create thread in void context
threads->create(...);
```

=head2 $thr->wantarray()

This returns the thread's context in the same manner as L<wantarray()>.

=head2 threads->wantarray()

Class method to return the current thread's context. This returns the same
value as running L<wantarray()> inside the current thread's entry point function.

=head1 THREAD STACK SIZE

The default per-thread stack size for different platforms varies significantly, and is almost always far more than is needed for most applications. On Win32, Perl's makefile explicitly sets the default stack to 16 MB; on most other platforms, the system default is used, which again may be much larger than is needed.

By tuning the stack size to more accurately reflect your application's needs, you may significantly reduce your application's memory usage, and increase the number of simultaneously running threads.

Note that on Windows, address space allocation granularity is 64 KB, therefore, setting the stack smaller than that on Win32 Perl will not save any more memory.

=over

=item threads->get_stack_size();

Returns the current default per-thread stack size. The default is zero, which means the system default stack size is currently in use.

=item $size = $thr->get_stack_size();

Returns the stack size for a particular thread. A return value of zero indicates the system default stack size was used for the thread.

=item $old_size = threads->set_stack_size($new_size);  

Sets a new default per-thread stack size, and returns the previous setting.

Some platforms have a minimum thread stack size. Trying to set the stack size below this value will result in a warning, and the minimum stack size will be used.

Some Linux platforms have a maximum stack size. Setting too large of a stack size will cause thread creation to fail.

If needed, C<$new_size> will be rounded up to the next multiple of the memory page size (usually 4096 or 8192).

Threads created after the stack size is set will then either call C<pthread_attr_setstacksize()> I<(for pthreads platforms)> or supply the stack size to C<CreateThread()> I<(for Win32 Perl)>.
(Obviously, this call does not affect any currently extant threads.)

=item use threads ('stack_size' => VALUE);

This sets the default per-thread stack size at the start of the application.

=item $ENV{'PERL5_ITHREADS_STACK_SIZE'}

The default per-thread stack size may be set at the start of the application through the use of the environment variable C<PERL5_ITHREADS_STACK_SIZE>:

PERL5_ITHREADS_STACK_SIZE=1048576
export PERL5_ITHREADS_STACK_SIZE
perl -e'use threads; print(threads->get_stack_size(), "n")'

This value overrides any C<stack_size> parameter given to C<use threads>. Its primary purpose is to permit setting the per-thread stack size for legacy threaded applications.

=item threads->create({'stack_size' => VALUE}, FUNCTION, ARGS)

To specify a particular stack size for any individual thread, call C<-E<gt>create()> with a hash reference as the first argument:

my $thr = threads->create({'stack_size' => 32*4096},
 &foo, @args);

=item $thr2 = $thr1->create(FUNCTION, ARGS)

This creates a new thread (C<$thr2>) that inherits the stack size from an existing thread (C<$thr1>). This is shorthand for the following:

my $stack_size = $thr1->get_stack_size();
my $thr2 = threads->create({'stack_size' => $stack_size},
 FUNCTION, ARGS);

=back

=head1 THREAD SIGNALLING

When safe signals is in effect (the default behavior - see L</"Unsafe signals"> for more details), then signals may be sent and acted upon by individual threads.

=over 4

=item $thr->kill('SIG...');
Sends the specified signal to the thread. Signal names and (positive) signal numbers are the same as those supported by \texttt{kill} \cite{kill}. For example, 'SIGTERM', 'TERM' and (depending on the OS) 15 are all valid arguments to \texttt{C<gt>kill()}.

Returns the thread object to allow for method chaining:

\begin{verbatim}
$thr->kill('SIG...')->join();
\end{verbatim}

Signal handlers need to be set up in the threads for the signals they are expected to act upon. Here's an example for cancelling a thread:

\begin{verbatim}
use threads;

sub thr_func
{
    # Thread 'cancellation' signal handler
    $SIG{'KILL'} = sub { threads->exit(); };

    ...
}

# Create a thread
my $thr = threads->create('thr_func');

...

# Signal the thread to terminate, and then detach
# it so that it will get cleaned up automatically
$thr->kill('KILL')->detach();
\end{verbatim}

Here's another simplistic example that illustrates the use of thread signalling in conjunction with a semaphore to provide rudimentary suspend and resume capabilities:

\begin{verbatim}
use threads;
use Thread::Semaphore;

sub thr_func
{
    my $sema = shift;

    # Thread 'suspend/resume' signal handler
    $SIG{'STOP'} = sub {
        $sema->down();  # Thread suspended

    $sema->up();     # Thread resumed
    };

    ...
}
\end{verbatim}
$sema->up();        # Thread resumes
}

...  
}

# Create a semaphore and pass it to a thread
my $sema = Thread::Semaphore->new();
my $thr = threads->create('thr_func', $sema);

# Suspend the thread
$sema->down();
$thr->kill('STOP');

...

# Allow the thread to continue
$sema->up();

CAVEAT: The thread signalling capability provided by this module does not actually send signals via the OS. It *emulates* signals at the Perl-level such that signal handlers are called in the appropriate thread. For example, sending `thr->kill('STOP')` does not actually suspend a thread (or the whole process), but does cause a `$SIG{STOP}` handler to be called in that thread (as illustrated above).

As such, signals that would normally not be appropriate to use in the `kill()` command (e.g., `kill(KILL, $$)`) are okay to use with the `kill()` method (again, as illustrated above).

Correspondingly, sending a signal to a thread does not disrupt the operation the thread is currently working on: The signal will be acted upon after the current operation has completed. For instance, if the thread is stuck on an I/O call, sending it a signal will not cause the I/O call to be interrupted such that the signal is acted up immediately.

Sending a signal to a terminated/finished thread is ignored.

=head1 WARNINGS

=item Perl exited with active threads:

If the program exits without all threads having either been joined or detached, then this warning will be issued.

NOTE: If the main thread exits, then this warning cannot be suppressed
using C<no warnings 'threads'> as suggested below.

=item Thread creation failed: pthread_create returned #

See the appropriate I<man> page for C<pthread_create> to determine the actual cause for the failure.

=item Thread # terminated abnormally: ...

A thread terminated in some manner other than just returning from its entry point function, or by using C<threads-E<gt>exit()> . For example, the thread may have terminated because of an error, or by using C<die>.

=item Using minimum thread stack size of #

Some platforms have a minimum thread stack size. Trying to set the stack size below this value will result in the above warning, and the stack size will be set to the minimum.

=item Thread creation failed: pthread_attr_setstacksize(I<SIZE>) returned 22

The specified I<SIZE> exceeds the system's maximum stack size. Use a smaller value for the stack size.

=back

If needed, thread warnings can be suppressed by using:

   no warnings 'threads';

in the appropriate scope.

=head1 ERRORS

=over 4

=item This Perl not built to support threads

The particular copy of Perl that you're trying to use was not built using the C<useithreads> configuration option.

Having threads support requires all of Perl and all of the XS modules in the Perl installation to be rebuilt; it is not just a question of adding the L<threads> module (i.e., threaded and non-threaded Perls are binary incompatible).

=item Cannot change stack size of an existing thread
The stack size of currently extant threads cannot be changed, therefore, the following results in the above error:

$thr->set_stack_size($size);

=item Cannot signal threads without safe signals

Safe signals must be in effect to use the C<-E<gt>kill()> signalling method. See L</"Unsafe signals"> for more details.

=item Unrecognized signal name: ...

The particular copy of Perl that you're trying to use does not support the specified signal being used in a C<-E<gt>kill()> call.

=back

=head1 BUGS AND LIMITATIONS

Before you consider posting a bug report, please consult, and possibly post a message to the discussion forum to see if what you've encountered is a known problem.

=over

=item Thread-safe modules

See L<perlmod/"Making your module threadsafe"> when creating modules that may be used in threaded applications, especially if those modules use non-Perl data, or XS code.

=item Using non-thread-safe modules

Unfortunately, you may encounter Perl modules that are not I<thread-safe>. For example, they may crash the Perl interpreter during execution, or may dump core on termination. Depending on the module and the requirements of your application, it may be possible to work around such difficulties.

If the module will only be used inside a thread, you can try loading the module from inside the thread entry point function using C<require> (and C<import> if needed):

    sub thr_func
    {
        require Unsafe::Module
        # Unsafe::Module->import(...);

        ....
If the module is needed inside the I<main> thread, try modifying your application so that the module is loaded (again using C<require> and C<-E<gt>import()> after any threads are started, and in such a way that no other threads are started afterwards.

If the above does not work, or is not adequate for your application, then file a bug report on L<http://rt.cpan.org/Public/> against the problematic module.

=item Memory consumption

On most systems, frequent and continual creation and destruction of threads can lead to ever-increasing growth in the memory footprint of the Perl interpreter. While it is simple to just launch threads and then C<-E<gt>join()> or C<-E<gt>detach()> them, for long-lived applications, it is better to maintain a pool of threads, and to reuse them for the work needed, using L<queues|Thread::Queue> to notify threads of pending work. The CPAN distribution of this module contains a simple example (F<examples/pool_reuse.pl>) illustrating the creation, use and monitoring of a pool of I<reusable> threads.

=item Current working directory

On all platforms except MSWin32, the setting for the current working directory is shared among all threads such that changing it in one thread (e.g., using C<chdir()> will affect all the threads in the application.

On MSWin32, each thread maintains its own the current working directory setting.

=item Environment variables

Currently, on all platforms except MSWin32, all I<system> calls (e.g., using C<system()> or back-ticks) made from threads use the environment variable settings from the I<main> thread. In other words, changes made to C<%ENV> in a thread will not be visible in I<system> calls made by that thread.

To work around this, set environment variables as part of the I<system> call. For example:

```perl
my $msg = 'hello';
system("FOO=$msg; echo \$FOO"); # Outputs 'hello' to STDOUT
```

On MSWin32, each thread maintains its own set of environment variables.

=item Catching signals
Signals are caught by the main thread (thread ID = 0) of a script. Therefore, setting up signal handlers in threads for purposes other than L</"THREAD SIGNALLING"> as documented above will not accomplish what is intended.

This is especially true if trying to catch C<SIGALRM> in a thread. To handle alarms in threads, set up a signal handler in the main thread, and then use L</"THREAD SIGNALLING"> to relay the signal to the thread:

```perl
# Create thread with a task that may time out
my $thr = threads->create(sub {
    threads->yield();
    eval {
        $SIG{ALRM} = sub { die("Timeout\n");
        alarm(10);
        ...
        # Do work here
        alarm(0);
    }
    if ($@ =~ /Timeout/) {
        warn("Task in thread timed out\n");
    }
});

# Set signal handler to relay SIGALRM to thread
$SIG{ALRM} = sub { $thr->kill('ALRM') };

... # Main thread continues working
```

=item Parent-child threads

On some platforms, it might not be possible to destroy parent threads while there are still existing child threads.

=item Unsafe signals

Since Perl 5.8.0, signals have been made safer in Perl by postponing their handling until the interpreter is in a safe state. See L<perl58delta/"Safe Signals"> and L<perlipc/"Deferred Signals (Safe Signals)"> for more details.

Safe signals is the default behavior, and the old, immediate, unsafe signalling behavior is only in effect in the following situations:

=over 4

=item * Perl has been built with C<PERL_OLD_SIGNALS> (see C<perl -V>).

=item * The environment variable C<PERL_SIGNALS> is set to C<unsafe>
If unsafe signals is in effect, then signal handling is not thread-safe, and the \texttt{kill()} signalling method cannot be used.

Identity of objects returned from threads

When a value is returned from a thread through a \texttt{join} operation, the value and everything that it references is copied across to the joining thread, in much the same way that values are copied upon thread creation. This works fine for most kinds of value, including arrays, hashes, and subroutines. The copying recurses through array elements, reference scalars, variables closed over by subroutines, and other kinds of reference.

However, everything referenced by the returned value is a fresh copy in the joining thread, even if a returned object had in the child thread been a copy of something that previously existed in the parent thread. After joining, the parent will therefore have a duplicate of each such object. This sometimes matters, especially if the object gets mutated; this can especially matter for private data to which a returned subroutine provides access.

Returning blessed objects from threads does not work. Depending on the classes involved, you may be able to work around this by returning a serialized version of the object (e.g., using \texttt{Data::Dumper} or \texttt{Storable}), and then reconstituting it in the joining thread. If you're using Perl 5.10.0 or later, and if the class supports \texttt{shared objects}, you can pass them via \texttt{shared queues}.

END blocks in threads

It is possible to add \texttt{BEGIN, UNITCHECK, CHECK, INIT and END} to threads by using \texttt{require} or \texttt{eval} with the appropriate code. These \texttt{END} blocks will then be executed when the thread's interpreter is destroyed (i.e., either during a \texttt{join} call, or at program termination).

However, calling any \texttt{threads} methods in such an \texttt{END} block will most likely fail (e.g., the application may hang, or generate an error) due to mutexes that are needed to control functionality within the \texttt{threads} module.
For this reason, the use of C<END> blocks in threads is B<strongly> discouraged.

=item Open directory handles

In perl 5.14 and higher, on systems other than Windows that do not support the C<fchdir> C function, directory handles (see L<opendir|perlfunc/"opendir DIRHANDLE,EXPR">) will not be copied to new threads. You can use the C<d_fchdir> variable in L<Config.pm|Config> to determine whether your system supports it.

In prior perl versions, spawning threads with open directory handles would crash the interpreter. L<perl #75154|http://rt.perl.org/rt3/Public/Bug/Display.html?id=75154>

=item Detached threads and global destruction

If the main thread exits while there are detached threads which are still running, then Perl's global destruction phase is not executed because otherwise certain global structures that control the operation of threads and that are allocated in the main thread's memory may get destroyed before the detached thread is destroyed.

If you are using any code that requires the execution of the global destruction phase for clean up (e.g., removing temp files), then do not use detached threads, but rather join all threads before exiting the program.

=item Perl Bugs and the CPAN Version of L<threads>

Support for threads extends beyond the code in this module (i.e., F<threads.pm> and F<threads.xs>), and into the Perl interpreter itself. Older versions of Perl contain bugs that may manifest themselves despite using the latest version of L<threads> from CPAN. There is no workaround for this other than upgrading to the latest version of Perl.

Even with the latest version of Perl, it is known that certain constructs with threads may result in warning messages concerning leaked scalars or unreferenced scalars. However, such warnings are harmless, and may safely be ignored.

You can search for L<threads> related bug reports at L<http://rt.cpan.org/Public/>. If needed submit any new bugs, problems, patches, etc. to: L<http://rt.cpan.org/Public/Dist/Display.html?Name=threads>

=back

=head1 REQUIREMENTS
Perl 5.8.0 or later

=head1 SEE ALSO

threads on MetaCPAN:
L<https://metacpan.org/release/threads>

Code repository for CPAN distribution:
L<https://github.com/Dual-Life/threads>

L<threads::shared>, L<perlthrtut>

L<http://www.perl.com/pub/a/2002/06/11/threads.html> and

Perl threads mailing list:
L<http://lists.perl.org/list/ithreads.html>

Stack size discussion:
L<http://www.perlmonks.org/?node_id=532956>

Sample code in the I<examples> directory of this distribution on CPAN.

=head1 AUTHOR

Artur Bergman E<lt>sky AT crucially DOT netE<gt>

CPAN version produced by Jerry D. Hedden <jdhedden AT cpan DOT org>

=head1 LICENSE

threads is released under the same license as Perl.

=head1 ACKNOWLEDGEMENTS

Richard Soderberg E<lt>perl AT crystalflame DOT netE<gt> -
Helping me out tons, trying to find reasons for races and other weird bugs!

Simon Cozens E<lt>simon AT brecon DOT co DOT ukE<gt> -
Being there to answer zillions of annoying questions

Rocco Caputo E<lt>troc AT netrus DOT netE<gt>

Vipul Ved Prakash E<lt>mail AT vipul DOT netE<gt> -
Helping with debugging

Dean Arnold E<lt>darnold AT presicient DOT comE<gt> -
Stack size API
1.937 jasypt 1.9.1

1.937.1 Available under license:

Copyright (c) 2007-2010, The JASYPT team (http://www.jasypt.org)

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

This distribution includes cryptographic software. The country in
which you currently reside may have restrictions on the import,
possession, use, and/or re-export to another country, of
encryption software. BEFORE using any encryption software, please
check your country's laws, regulations and policies concerning the
import, possession, or use, and re-export of encryption software, to
see if this is permitted. See http://www.wassenaar.org/ for more information.

The U.S. Government Department of Commerce, Bureau of Industry and Security (BIS), has classified this software as Export Commodity Control Number (ECCN) 5D002.C.1, which includes information security software using or performing cryptographic functions with asymmetric algorithms. The form and manner of this distribution makes it eligible for export under the License Exception ENC Technology Software Unrestricted (TSU) exception (see the BIS Export Administration Regulations, Section 740.13) for both object code and source code.

The following provides more details on the cryptographic software used (note that this software is not included in the distribution):

* The PBE Encryption facilities require the Java Cryptography extensions: http://java.sun.com/javase/technologies/security/.

---------------------------------

Distributions of this software may include software developed by The Apache Software Foundation (http://www.apache.org/).

---------------------------------

ICU License - ICU 1.8.1 and later

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2006 International Business Machines Corporation and others

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with

the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of Your accepting any such warranty or additional liability.
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.938 perl-mozilla-ca 20160104-7.el8

1.938.1 Available under license:

LICENSE

For the bundled Mozilla CA PEM file the following applies:

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.

The Mozilla::CA distribution itself is available under the same license.

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1996 - 2019, Daniel Stenberg, daniel@haxx.se, and many contributors, see the THANKS file.

All rights reserved.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

Mozilla Public License
Version 2.0

1. Definitions

1.1. “Contributor”

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. “Contributor Version”

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor’s Contribution.

1.3. “Contribution”

means Covered Software of a particular Contributor.

1.4. “Covered Software”

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. “Incompatible With Secondary Licenses”

means

that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or

that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. “Executable Form”

means any form of the work other than Source Code Form.

1.7. “Larger Work”

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. “License”

means this document.
1.9. “Licensable”

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. “Modifications”

means any of the following:

any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or

any new file in Source Code Form that contains any Covered Software.

1.11. “Patent Claims” of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. “Secondary License”

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. “Source Code Form”

means the form of the work preferred for making modifications.

1.14. “You” (or “Your”)

means an individual or a legal entity exercising rights under this License. For legal entities, “You” includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, “control” means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the
date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

for any code that a Contributor has removed from Covered Software; or

for infringements caused by: (i) Your and any other third party’s modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients’ rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

You may distribute such Executable Form under the terms of this License, or sublicense it under different terms,
provided that the license for the Executable Form does not attempt to limit or alter the recipients’ rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.
5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

6. Disclaimer of Warranty

Covered Software is provided under this License on an “as is” basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.

7. Limitation of Liability

Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any character including, without limitation, damages for lost profits, loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party’s negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party’s ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the
name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at https://mozilla.org/MPL/2.0/.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - “Incompatible With Secondary Licenses” Notice

This Source Code Form is “Incompatible With Secondary Licenses”, as defined by the Mozilla Public License, v. 2.0.

1.939 javax-servlet-api 3.0-SNAPSHOT

1.939.1 Available under license:

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.
1.9. Modifications. means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims,
each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must
make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE
6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item, as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software, as that term is defined at 48 C.F.R. ? 252.227-7014(a)(1)) and .commercial computer software documentation, as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and
supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and
give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This
alternative is allowed only for noncommercial distribution and only if you received the program in object code or
executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable
work, complete source code means all the source code for all modules it contains, plus any associated interface
definition files, plus the scripts used to control compilation and installation of the executable. However, as a special
exception, the source code distributed need not include anything that is normally distributed (in either source or
binary form) with the major components (compiler, kernel, and so on) of the operating system on which the
executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering
equivalent access to copy the source code from the same place counts as distribution of the source code, even though
third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License.
Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically
terminate your rights under this License. However, parties who have received copies, or rights, from you under this
License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you
permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do
not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program),
you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or
modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives
a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions.
You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not
responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited
to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the
conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as
to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a
consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-
free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only
way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the
section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest
validity of any such claims; this section has the sole purpose of protecting the integrity of the free software
distribution system, which is implemented by public license practices. Many people have made generous
contributions to the wide range of software distributed through that system in reliance on consistent application of
that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other
system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program’s name and a brief idea of what it does.

Copyright (C)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w’ and `show c’; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.
"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Sun Microsystems, Inc. are subject to the following clarification and special exception to the GPL Version 2, but only where Sun has expressly included in the particular source file's header the words

"Sun designates this particular file as subject to the "Classpath" exception as provided by Sun in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

1.940 perl-digest-sha 6.02-1.el8
1.940.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * sha.h: header file for SHA-1/224/256/384/512 routines
 * *
 * Ref: NIST FIPS PUB 180-4 Secure Hash Standard
 * *
 * Copyright (C) 2003-2018 Mark Shelor, All Rights Reserved
 * *
 * Version: 6.02
 * Fri Apr 20 16:25:30 MST 2018
 * *
 */

Found in path(s):
* /opt/cola/permits/1137994381_1614192640.86/0/perl-Digest-SHA-6.02-1.el8-1.src.rpm-cosi-expand-archive-tWM6GeIu/Digest-SHA-6.02.tar.gz-cosi-expand-archive-L4u9iy7z/Digest-SHA-6.02/src/sha.h

No license file was found, but licenses were detected in source scan.

/*
 * sha64bit.c: routines to compute SHA-384/512 digests
 * *
 * Ref: NIST FIPS PUB 180-4 Secure Hash Standard
 */
#!perl

## shasum: filter for computing SHA digests (ref. sha1sum/md5sum)
##
## Copyright (C) 2003-2018 Mark Shelor, All Rights Reserved
##
## Version: 6.02
## Fri Apr 20 16:25:30 MST 2018
##
## shasum SYNOPSIS adapted from GNU Coreutils sha1sum. Add
## "-a" option for algorithm selection,
## "-U" option for Universal Newlines support, and
## "-0" option for reading bit strings.

BEGIN { pop @INC if $INC[-1] eq '.' }

use strict;
use warnings;
use Fcntl;
use Getopt::Long;
use Digest::SHA qw($errmsg);

my $POD = <<'END_OF_POD';
=head1 NAME

shasum - Print or Check SHA Checksums

END_OF_POD
SYNOPSIS

Usage: shasum [OPTION]... [FILE]...

Print or check SHA checksums.

With no FILE, or when FILE is -, read standard input.

-a, --algorithm  1 (default), 224, 256, 384, 512, 512224, 512256
-b, --binary      read in binary mode
-c, --check       read SHA sums from the FILEs and check them
--tag         create a BSD-style checksum
-t, --text       read in text mode (default)
-U, --UNIVERSAL  read in Universal Newlines mode
                 produces same digest on Windows/Unix/Mac
-0, --01         read in BITS mode
                 ASCII '0' interpreted as 0-bit,
                 ASCII '1' interpreted as 1-bit,
                 all other characters ignored

The following five options are useful only when verifying checksums:
--ignore-missing don't fail or report status for missing files
-q, --quiet      don't print OK for each successfully verified file
-s, --status     don't output anything, status code shows success
--strict         exit non-zero for improperly formatted checksum lines
-w, --warn       warn about improperly formatted checksum lines

-h, --help       display this help and exit
-v, --version    output version information and exit

When verifying SHA-512/224 or SHA-512/256 checksums, indicate the
algorithm explicitly using the -a option, e.g.

    shasum -a 512224 -c checksumfile

The sums are computed as described in FIPS PUB 180-4. When checking,
the input should be a former output of this program. The default
mode is to print a line with checksum, a character indicating type
(’*' for binary, ’ ’ for text, ’U’ for UNIVERSAL, ’^’ for BITS),
and name for each FILE. The line starts with a `\' character if the
FILE name contains either newlines or backslashes, which are then
replaced by the two-character sequences `\n' and `\\' respectively.

Report shasum bugs to mshelor@cpan.org

DESCRIPTION

Running I<shasum> is often the quickest way to compute SHA message
digests. The user simply feeds data to the script through files or
standard input, and then collects the results from standard output.
The following command shows how to compute digests for typical inputs such as the NIST test vector "abc":

perl -e "print qq(abc)" | shasum

Or, if you want to use SHA-256 instead of the default SHA-1, simply say:

perl -e "print qq(abc)" | shasum -a 256

Since I<shasum> mimics the behavior of the combined GNU I<sha1sum>, I<sha224sum>, I<sha256sum>, I<sha384sum>, and I<sha512sum> programs, you can install this script as a convenient drop-in replacement.

Unlike the GNU programs, I<shasum> encompasses the full SHA standard by allowing partial-byte inputs. This is accomplished through the BITS option (I<-0>). The following example computes the SHA-224 digest of the 7-bit message I<0001100>:

perl -e "print qq(0001100)" | shasum -0 -a 224

=head1 AUTHOR

Copyright (C) 2003-2018 Mark Shelor <mshelor@cpan.org>.

=head1 SEE ALSO

I<shasum> is implemented using the Perl module L<Digest::SHA>.

=cut
exit($err);
}

## Sync stdout and stderr by forcing a flush after every write

select((select(STDOUT), $| = 1)[0]);
select((select(STDERR), $| = 1)[0]);

## Collect options from command line

my ($alg, $binary, $check, $text, $status, $quiet, $warn, $help);
my ($version, $BITS, $UNIVERSAL, $tag, $strict, $ignore_missing);

eval { Getopt::Long::Configure ("bundling")
};
GetOptions(
    'b|binary' => \$binary, 'c|check' => \$check,
    't|text' => \$text, 'a|algorithm=i' => \$alg,
    's|status' => \$status, 'w|warn' => \$warn,
    'q|quiet' => \$quiet,
    'h|help' => \$help, 'v|version' => \$version,
    '0|01' => \$BITS,
    'U|UNIVERSAL' => \$UNIVERSAL,
    'tag' => \$tag,
    'strict' => \$strict,
    'ignore-missing' => \$ignore_missing,
) or usage(1, "");

## Deal with help requests and incorrect uses

usage(0)
if $help;
usage(1, "shasum: Ambiguous file mode\n")
if scalar(grep {defined $_} ($binary, $text, $BITS, $UNIVERSAL)) > 1;
usage(1, "shasum: --warn option used only when verifying checksums\n")
if $warn & & !$check;
usage(1, "shasum: --status option used only when verifying checksums\n")
if $status & & !$check;
usage(1, "shasum: --quiet option used only when verifying checksums\n")
if $quiet & & !$check;
usage(1, "shasum: --ignore-missing option used only when verifying checksums\n")
if $ignore_missing & & !$check;
usage(1, "shasum: --strict option used only when verifying checksums\n")
if $strict & & !$check;
usage(1, "shasum: --tag does not support --text mode\n")
if $tag && $text;
usage(1, "shasum: --tag does not support Universal Newlines mode\n")
if $tag && $UNIVERSAL;
usage(1, "shasum: --tag does not support BITS mode\n")
if $tag && $BITS;

## Default to SHA-1 unless overridden by command line option
my %isAlg = map { $_ => 1 } (1, 224, 256, 384, 512, 512224, 512256);
$alg = 1 unless defined $alg;
usage(1, "shasum: Unrecognized algorithm\n") unless $isAlg{$alg};
my %Tag = map { $_ => "SHA$_" } (1, 224, 256, 384, 512);
$Tag{512224} = "SHA512/224";
$Tag{512256} = "SHA512/256";

## Display version information if requested
if ($version) {
print "$VERSION\n";
exit(0);
}

## Try to figure out if the OS is DOS-like. If it is,
## default to binary mode when reading files, unless
## explicitly overridden by command line "--text" or
## "--UNIVERSAL" options.
my $isDOSish = ($^O =~ /^(MSWin\d\d|os2|dos|mint|cygwin)$/);
if ($isDOSish) { $binary = 1 unless $text || $UNIVERSAL }
my $modesym = $binary ? '*' : ($UNIVERSAL ? 'U' : ($BITS ? '^' : ' '));

## Read from STDIN (-) if no files listed on command line
@ARGV = ("-") unless @ARGV;

## sumfile($file): computes SHA digest of $file
sub sumfile {
my $file = shift;
my $mode = $binary ? 'b' : ($UNIVERSAL ? 'U' : ($BITS ? '0' : ''));

Open Source Used In CSPC_Collector 2.9.1 26743


my $digest = eval { Digest::SHA->new($alg)->addfile($file, $mode) }; if ($@) { warn "shasum: $file: $errmsg\n"; return } $digest->hexdigest;

## %len2alg: maps hex digest length to SHA algorithm

my %len2alg = (40 => 1, 56 => 224, 64 => 256, 96 => 384, 128 => 512); $len2alg{56} = 512224 if $alg == 512224; $len2alg{64} = 512256 if $alg == 512256;

## unescape: convert backslashed filename to plain filename

sub unescape {$_ = shift; $s/=\\/a/g; $s//=\n/g; $s//=\0/g; return $_;}

## verify: confirm the digest values in a checksum file

sub verify {my $checkfile = shift; my ($err, $fmt_errs, $read_errs, $match_errs) = (0, 0, 0, 0); my ($num_fmt_OK, $num_OK) = (0, 0); my ($bslash, $sum, $fname, $rsp, $digest, $isOK); local *FH; $checkfile eq '-' and open(FH, '< -') and $checkfile = 'standard input' or sysopen(FH, $checkfile, O_RDONLY) or die "shasum: $checkfile: $!\n"; while (<FH>) { next if /^#/; if (/^\[ \t\]*\?SHA/) {$modesym = '*'; ($bslash, $alg, $fname, $sum) = /^(\[\t\]*\?SHA\((\S+)\) = (\[\da-fA-F\]+))/; $alg =~ tr{/}{}d if defined $alg; $isOK = 1 if defined $digest; } else { ($bslash, $sum, $modesym, $fname) = /^(\[\t\]*\(\?\)[\da-fA-F]+\(\d.\d)\)\((.+)\) = (\[\da-fA-F\]+)/; $alg =~ tr{/}{}d if defined $alg; } $num_OK++ if $isOK; $num_fmt_OK++ if defined $alg; $read_errs++ if $read_errs ++ $err or return; $match_errs++ if $match_errs ++ $match or return; } $err = ($fmt_errs + $read_errs + $match_errs) if $err == 0; return if $err; $err = $fmt_errs if $fmt_errs > 0; $err = $read_errs if $read_errs > 0; $err = $match_errs if $match_errs > 0;}
$alg = defined $sum ? $len2alg{length($sum)} : undef;
}
if (grep { ! defined $_ } ($alg, $sum, $modesym, $fname) or
   ! $isAlg{$alg}) {
  warn("shasum: $checkfile: $.: improperly " .
    "formatted SHA checksum line\n") if $warn;
  $fmt_errs++;
  $err = 1 if $strict;
  next;
}

$num_fmt_OK++;
$fname = unescape($fname) if $bslash;
next if $ignore_missing && ! -e $fname;
$rsp = "$fname: ";
($binary, $text, $UNIVERSAL, $BITS) =
  map { $_ eq $modesym } ('*', ' ', 'U', '^');
$isOK = 0;
unless ($digest = sumfile($fname)) {
  $rsp .= "FAILED open or read\n";
  $err = 1; $read_errs++;
}
elsif (lc($sum) eq $digest) {
  $rsp .= "OK\n";
  $isOK = 1;
  $num_OK++;
}
else { $rsp .= "FAILED\n"; $err = 1; $match_errs++ }
print $rsp unless ($status || ($quiet && $isOK));
}
close(FH);
if (! $num_fmt_OK) {
  warn("shasum: $checkfile: no properly formatted " .
    "SHA checksum lines found\n");
  $err = 1;
}
elsif (! $status) {
  warn("shasum: WARNING: $fmt_errs line$ (. ($fmt_errs>1?
    's are':' is') . " improperly formatted\n") if $fmt_errs;
  warn("shasum: WARNING: $read_errs listed file" .
    ($read_errs>1?'s':'') . " could not be read\n") if $read_errs;
  warn("shasum: WARNING: $match_errs computed checksum" .
    ($match_errs>1?'s':'') . " did NOT match\n") if $match_errs;
}
if ($ignore_missing && ! $num_OK && $num_fmt_OK) {
  warn("shasum: $checkfile: no file was verified\n")
    unless $status;
  $err = 1;
}
return($err == 0);
}

### Verify or compute SHA checksums of requested files

my($file, $digest);
my $STATUS = 0;
for $file (@ARGV) {
  if ($check) { $STATUS = 1 unless verify($file) }
  elsif ($digest = sumfile($file)) {
    if ($file =~ /
\\/) {
      $file =~ s/\/\\/g; $file =~ s/\n/\n/g;
      print "\n";
    }
    unless ($tag) { print "$digest $modesym$file\n" }
    else          { print "$Tag{$alg} ($file) = $digest
" }
  }
  else { $STATUS = 1 }
}
exit($STATUS);

Found in path(s):
* /opt/cola/permits/1137994381_1614192640.86/0/perl-Digest-SHA-6.02-1.el8-1.src.rpm-cosi-expand-archive-
tWM6GeIu/Digest-SHA-6.02.tar.gz-cosi-expand-archive-L4u9iy7z/Digest-SHA-6.02/shasum
No license file was found, but licenses were detected in source scan.

license: perl

Found in path(s):
* /opt/cola/permits/1137994381_1614192640.86/0/perl-Digest-SHA-6.02-1.el8-1.src.rpm-cosi-expand-archive-
tWM6GeIu/Digest-SHA-6.02.tar.gz-cosi-expand-archive-L4u9iy7z/Digest-SHA-6.02/META.yml
No license file was found, but licenses were detected in source scan.

/*
 * sha.c: routines to compute SHA-1/224/256/384/512 digests
 *
 * Ref: NIST FIPS PUB 180-4 Secure Hash Standard
 *
 * Copyright (C) 2003-2018 Mark Shelor, All Rights Reserved
 *
 * Version: 6.02
 * Fri Apr 20 16:25:30 MST 2018
 *
*/

Found in path(s):
* /opt/cola/permits/1137994381_1614192640.86/0/perl-Digest-SHA-6.02-1.el8-1.src.rpm-cosi-expand-archive-
No license file was found, but licenses were detected in source scan.

/*
 * sha64bit.h: placeholder values for 64-bit data and routines
 *
 * Ref: NIST FIPS PUB 180-4 Secure Hash Standard
 *
 * Copyright (C) 2003-2018 Mark Shelor, All Rights Reserved
 *
 * Version: 6.02
 * Fri Apr 20 16:25:30 MST 2018
 *
 * The following macros supply placeholder values that enable the
 * sha.c module to successfully compile when 64-bit integer types
 * aren't present.
 *
 * They are appropriately redefined in sha64bit.c if the compiler
 * provides a 64-bit type (i.e. when SHA_384_512 is defined).
 *
 */

Found in path(s):
* /opt/cola/permits/1137994381_1614192640.86/0/perl-Digest-SHA-6.02-1.el8-1.src.rpm-cosi-expand-archive-tWM6GeIu/Digest-SHA-6.02.tar.gz-cosi-expand-archive-L4u9iy7z/Digest-SHA-6.02/src/sha64bit.h

No license file was found, but licenses were detected in source scan.

Digest::SHA version 6.02

Digest::SHA is a complete implementation of the NIST Secure Hash Standard. It gives Perl programmers a convenient way to calculate SHA-1, SHA-224, SHA-256, SHA-384, SHA-512, SHA-512/224, and SHA-512/256 message digests. The module can handle all types of input, including partial-byte data.

Digest::SHA is written in C for speed. If your platform lacks a C compiler, you can install the functionally-equivalent (but much slower) Digest::SHA::PurePerl module.

The tests subdirectory (t/*.t) contains an extensive set of SHA vectors compiled from various sources.

INSTALLATION

To install this module type the following:

perl Makefile.PL [ options ]
make
make test
make install

The Makefile.PL options are:

-x : exclude support for SHA-384/512

DEPENDENCIES

None

COPYRIGHT AND LICENSE

Copyright (C) 2003-2018 Mark Shelor

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Please refer to the Perl Artistic License for details:

http://search.cpan.org/perlartistic

Found in path(s):
* /opt/cola/permits/1137994381_1614192640.86/0/perl-Digest-SHA-6.02-1.el8-1.src.rpm-cosi-expand-archive-tWM6GeIu/Digest-SHA-6.02.tar.gz-cosi-expand-archive-L4u9iy7z/Digest-SHA-6.02/README
No license file was found, but licenses were detected in source scan.

=head1 NAME

Digest::SHA - Perl extension for SHA-1/224/256/384/512

=head1 SYNOPSIS

In programs:

# Functional interface

use Digest::SHA qw(sha1 sha1_hex sha1_base64 ...);

$digest = sha1($data);
$digest = sha1_hex($data);
$digest = sha1_base64($data);

$digest = sha256($data);
$digest = sha384_hex($data);
$digest = sha512_base64($data);
use Digest::SHA;

$sha = Digest::SHA->new($alg);

$sha->add($data);  # feed data into stream
$sha->addfile(*F);
$sha->addfile($filename);

$sha->add_bits($bits);
$sha->add_bits($data, $nbits);

$sha_copy = $sha->clone;  # make copy of digest object
$state = $sha->getstate;  # save current state to string
$sha->putstate($state);  # restore previous $state

$digest = $sha->digest;  # compute digest
$digest = $sha->hexdigest;
$digest = $sha->b64digest;

From the command line:

$ shasum files

$ shasum --help

=head1 SYNOPSIS (HMAC-SHA)

# Functional interface only

use Digest::SHA qw(hmac_sha1 hmac_sha1_hex ...);

$digest = hmac_sha1($data, $key);
$digest = hmac_sha224_hex($data, $key);
$digest = hmac_sha256_base64($data, $key);

=head1 ABSTRACT

Digest::SHA is a complete implementation of the NIST Secure Hash Standard. It gives Perl programmers a convenient way to calculate SHA-1, SHA-224, SHA-256, SHA-384, SHA-512, SHA-512/224, and SHA-512/256 message digests. The module can handle all types of input, including partial-byte data.

=head1 DESCRIPTION

Digest::SHA is written in C for speed. If your platform lacks a
C compiler, you can install the functionally equivalent (but much slower) L<Digest::SHA::PurePerl> module.

The programming interface is easy to use: it's the same one found in CPAN's L<Digest> module. So, if your applications currently use L<Digest::MD5> and you'd prefer the stronger security of SHA, it's a simple matter to convert them.

The interface provides two ways to calculate digests: all-at-once, or in stages. To illustrate, the following short program computes the SHA-256 digest of "hello world" using each approach:

```perl
use Digest::SHA qw(sha256_hex);

$data = "hello world";
@frags = split('\\', $data);

# all-at-once (Functional style)
$digest1 = sha256_hex($data);

# in-stages (OOP style)
$state = Digest::SHA->new(256);
for (@frags) { $state->add($_) }
$digest2 = $state->hexdigest;

print $digest1 eq $digest2 ? "whew!\n" : "oops!\n";
```

To calculate the digest of an n-bit message where I<n> is not a multiple of 8, use the I<add_bits()> method. For example, consider the 446-bit message consisting of the bit-string "110" repeated 148 times, followed by "11". Here's how to display its SHA-1 digest:

```perl
use Digest::SHA;
$bits = "110" x 148 . "11";
$sha = Digest::SHA->new(1)->add_bits($bits);
print $sha->hexdigest, "\n";
```

Note that for larger bit-strings, it's more efficient to use the two-argument version I<add_bits($data, $nbits)>, where I<$data> is in the customary packed binary format used for Perl strings.

The module also lets you save intermediate SHA states to a string. The I<getstate()> method generates portable, human-readable text describing the current state of computation. You can subsequently restore that state with I<putstate()> to resume where the calculation left off.
To see what a state description looks like, just run the following:

```perl
use Digest::SHA;
print Digest::SHA->new->add("Shaw" x 1962)->getstate;
```

As an added convenience, the Digest::SHA module offers routines to calculate keyed hashes using the HMAC-SHA-1/224/256/384/512 algorithms. These services exist in functional form only, and mimic the style and behavior of the `sha()`, `sha_hex()`, and `sha_base64()` functions.

```perl
# Test vector from draft-ietf-ipsec-ciph-sha-256-01.txt
use Digest::SHA qw(hmac_sha256_hex);
print hmac_sha256_hex("Hi There", chr(0x0b) x 32), "\n";
```

=head1 UNICODE AND SIDE EFFECTS

Perl supports Unicode strings as of version 5.6. Such strings may contain wide characters, namely, characters whose ordinal values are greater than 255. This can cause problems for digest algorithms such as SHA that are specified to operate on sequences of bytes.

The rule by which Digest::SHA handles a Unicode string is easy to state, but potentially confusing to grasp: the string is interpreted as a sequence of byte values, where each byte value is equal to the ordinal value (viz. code point) of its corresponding Unicode character. That way, the Unicode string 'abc' has exactly the same digest value as the ordinary string 'abc'.

Since a wide character does not fit into a byte, the Digest::SHA routines croak if they encounter one. Whereas if a Unicode string contains no wide characters, the module accepts it quite happily. The following code illustrates the two cases:

```perl
$str1 = pack('U*', (0..255));
print sha1_hex($str1);# ok

$str2 = pack('U*', (0..256));
print sha1_hex($str2);# croaks
```

Be aware that the digest routines silently convert UTF-8 input into its equivalent byte sequence in the native encoding (cf. utf8::downgrade). This side effect influences only the way Perl stores the data internally, but otherwise leaves the actual value of the data intact.

=head1 NIST STATEMENT ON SHA-1
NIST acknowledges that the work of Prof. Xiaoyun Wang constitutes a practical collision attack on SHA-1. Therefore, NIST encourages the rapid adoption of the SHA-2 hash functions (e.g. SHA-256) for applications requiring strong collision resistance, such as digital signatures.


=head1 PADDING OF BASE64 DIGESTS

By convention, CPAN Digest modules do B<not> pad their Base64 output. Problems can occur when feeding such digests to other software that expects properly padded Base64 encodings.

For the time being, any necessary padding must be done by the user. Fortunately, this is a simple operation: if the length of a Base64-encoded digest isn't a multiple of 4, simply append "=" characters to the end of the digest until it is:

```
while (length($b64_digest) % 4) {
    $b64_digest .= '=';
}
```

To illustrate, I<sha256_base64("abc")> is computed to be

```
ungWv48Bz+pBQUDeXa4iI7ADYaOWF3qctBD/YfIAFa0
```

which has a length of 43. So, the properly padded version is

```
ungWv48Bz+pBQUDeXa4iI7ADYaOWF3qctBD/YfIAFa0=
```

=head1 EXPORT

None by default.

=head1 EXPORTABLE FUNCTIONS

Provided your C compiler supports a 64-bit type (e.g. the I<long long> of C99, or I<__int64> used by Microsoft C/C++), all of these functions will be available for use. Otherwise, you won't be able to perform the SHA-384 and SHA-512 transforms, both of which require 64-bit operations.

I<Functional style>

=over 4

=item B<sha1($data, ...)>

=item B<sha224($data, ...)>

=item B<sha256($data, ...)>

=item B<sha384($data, ...)>

=item B<sha512($data, ...)>

=item B<sha512224($data, ...)>

=item B<sha512256($data, ...)>

Logically joins the arguments into a single string, and returns its SHA-1/224/256/384/512 digest encoded as a binary string.

=item B<sha1_hex($data, ...)>

=item B<sha224_hex($data, ...)>

=item B<sha256_hex($data, ...)>

=item B<sha384_hex($data, ...)>

=item B<sha512_hex($data, ...)>

=item B<sha512224_hex($data, ...)>

=item B<sha512256_hex($data, ...)>

Logically joins the arguments into a single string, and returns its SHA-1/224/256/384/512 digest encoded as a hexadecimal string.

=item B<sha1_base64($data, ...)>

=item B<sha224_base64($data, ...)>

=item B<sha256_base64($data, ...)>

=item B<sha384_base64($data, ...)>

=item B<sha512_base64($data, ...)>

=item B<sha512224_base64($data, ...)>

=item B<sha512256_base64($data, ...)>

Logically joins the arguments into a single string, and returns its SHA-1/224/256/384/512 digest encoded as a Base64 string.
It's important to note that the resulting string does B<not> contain
the padding characters typical of Base64 encodings. This omission is
deliberate, and is done to maintain compatibility with the family of
CPAN Digest modules. See L</"PADDING OF BASE64 DIGESTS"> for details.

=back

I<OOP style>

=over 4

=item B<new($alg)>

Returns a new Digest::SHA object. Allowed values for I<$alg> are 1,
224, 256, 384, 512, 512224, or 512256. It's also possible to use
common string representations of the algorithm (e.g. "sha256",
"SHA-384"). If the argument is missing, SHA-1 will be used by
default.

Invoking I<new> as an instance method will reset the object to the
initial state associated with I<$alg>. If the argument is missing,
the object will continue using the same algorithm that was selected
at creation.

=item B<reset($alg)>

This method has exactly the same effect as I<new($alg)>. In fact,
I<reset> is just an alias for I<new>.

=item B<hashsize>

Returns the number of digest bits for this object. The values are
160, 224, 256, 384, 512, 224, and 256 for SHA-1, SHA-224, SHA-256,
SHA-384, SHA-512, SHA-512/224 and SHA-512/256, respectively.

=item B<algorithm>

Returns the digest algorithm for this object. The values are 1,
224, 256, 384, 512, 512224, and 512256 for SHA-1, SHA-224, SHA-256,
SHA-384, SHA-512, SHA-512/224, and SHA-512/256, respectively.

=item B<clone>

Returns a duplicate copy of the object.

=item B<add($data, ...)>
Logically joins the arguments into a single string, and uses it to update the current digest state. In other words, the following statements have the same effect:

```perl
$sha->add("a"); $sha->add("b"); $sha->add("c");
$sha->add("a")->add("b")->add("c");
$sha->add("a", "b", "c");
$sha->add("abc");
```

The return value is the updated object itself.

```perl
=item B<add_bits($data, $nbvets)>
```

```perl
=item B<add_bits($bits)>
```

Updates the current digest state by appending bits to it. The return value is the updated object itself.

The first form causes the most-significant `$nbvets` of `$data` to be appended to the stream. The `$data` argument is in the customary binary format used for Perl strings.

The second form takes an ASCII string of "0" and "1" characters as its argument. It's equivalent to

```perl
$sha->add_bits(pack("B*", $bits), length($bits));
```

So, the following two statements do the same thing:

```perl
$sha->add_bits("111100001010");
$sha->add_bits("xF0xA0", 12);
```

Note that SHA-1 and SHA-2 use most-significant-bit ordering for their internal state. This means that

```perl
$sha3->add_bits("110");
```

is equivalent to

```perl
$sha3->add_bits("1")->add_bits("1")->add_bits("0");
```

```perl
=item B<addfile(*FILE)>
```

Reads from `*FILE` until EOF, and appends that data to the current state. The return value is the updated object itself.

```perl
=item B<addfile($filename [, $mode])>
```
Reads the contents of `$filename`, and appends that data to the current state. The return value is the updated object itself.

By default, `$filename` is simply opened and read; no special modes or I/O disciplines are used. To change this, set the optional `$mode` argument to one of the following values:

"b" read file in binary mode

"U" use universal newlines

"0" use BITS mode

The "U" mode is modeled on Python's "Universal Newlines" concept, whereby DOS and Mac OS line terminators are converted internally to UNIX newlines before processing. This ensures consistent digest values when working simultaneously across multiple file systems. The "U" mode influences only text files, namely those passing Perl's `T` test; binary files are processed with no translation whatsoever.

The BITS mode ("0") interprets the contents of `$filename` as a logical stream of bits, where each ASCII '0' or '1' character represents a 0 or 1 bit, respectively. All other characters are ignored. This provides a convenient way to calculate the digest values of partial-byte data by using files, rather than having to write separate programs employing the `add_bits` method.

=item B<getstate>

Returns a string containing a portable, human-readable representation of the current SHA state.

=item B<putstate($str)>

Returns a Digest::SHA object representing the SHA state contained in `$str`. The format of `$str` matches the format of the output produced by method `getstate`. If called as a class method, a new object is created; if called as an instance method, the object is reset to the state contained in `$str`.

=item B<dump($filename)>

Writes the output of `getstate` to `$filename`. If the argument is missing, or equal to the empty string, the state information will be written to STDOUT.

=item B<load($filename)>


Returns a Digest::SHA object that results from calling \texttt{putstate} on the contents of \texttt{$filename}. If the argument is missing, or equal to the empty string, the state information will be read from STDIN.

\texttt{=item B\<digest>}

Returns the digest encoded as a binary string.

Note that the \texttt{digest} method is a read-once operation. Once it has been performed, the Digest::SHA object is automatically reset in preparation for calculating another digest value. Call \texttt{\$sha-clone-digest} if it's necessary to preserve the original digest state.

\texttt{=item B\<hexdigest>}

Returns the digest encoded as a hexadecimal string.

Like \texttt{digest}, this method is a read-once operation. Call \texttt{\$sha-clone-hexdigest} if it's necessary to preserve the original digest state.

\texttt{=item B\<b64digest>}

Returns the digest encoded as a Base64 string.

Like \texttt{digest}, this method is a read-once operation. Call \texttt{\$sha-clone-b64digest} if it's necessary to preserve the original digest state.

It's important to note that the resulting string does not contain the padding characters typical of Base64 encodings. This omission is deliberate, and is done to maintain compatibility with the family of CPAN Digest modules. See L</"PADDING OF BASE64 DIGESTS"> for details.

\texttt{=back}

\texttt{\<HMAC-SHA-1/224/256/384/512>}

\texttt{=over 4}

\texttt{=item B\sha\($data, ~\$key$\)>

\texttt{=item B\sha224\($data, ~\$key$\)>

\texttt{=item B\sha256\($data, ~\$key$\)>

\texttt{=item B\sha384\($data, ~\$key$\)>

\texttt{=item B\sha512\($data, ~\$key$\)>}
=item B<hmac_sha512($data, $key)>

=item B<hmac_sha512224($data, $key)>

=item B<hmac_sha512256($data, $key)>

Returns the HMAC-SHA-1/224/256/384/512 digest of I<$data>/I<$key>, with the result encoded as a binary string. Multiple I<$data> arguments are allowed, provided that I<$key> is the last argument in the list.

=item B<hmac_sha1_hex($data, $key)>

=item B<hmac_sha224_hex($data, $key)>

=item B<hmac_sha256_hex($data, $key)>

=item B<hmac_sha384_hex($data, $key)>

=item B<hmac_sha512_hex($data, $key)>

=item B<hmac_sha512224_hex($data, $key)>

=item B<hmac_sha512256_hex($data, $key)>

Returns the HMAC-SHA-1/224/256/384/512 digest of I<$data>/I<$key>, with the result encoded as a hexadecimal string. Multiple I<$data> arguments are allowed, provided that I<$key> is the last argument in the list.

=item B<hmac_sha1_base64($data, $key)>

=item B<hmac_sha224_base64($data, $key)>

=item B<hmac_sha256_base64($data, $key)>

=item B<hmac_sha384_base64($data, $key)>

=item B<hmac_sha512_base64($data, $key)>

=item B<hmac_sha512224_base64($data, $key)>

=item B<hmac_sha512256_base64($data, $key)>

Returns the HMAC-SHA-1/224/256/384/512 digest of I<$data>/I<$key>, with the result encoded as a Base64 string. Multiple I<$data> arguments are allowed, provided that I<$key> is the last argument.
It's important to note that the resulting string does \texttt{not} contain
the padding characters typical of Base64 encodings. This omission is
deliberate, and is done to maintain compatibility with the family of
CPAN Digest modules. See \texttt{L</"PADDING OF BASE64 DIGESTS"\> for details.}

\texttt{=back}

\texttt{=head1 SEE ALSO}

\texttt{L<Digest>, L<Digest::SHA::PurePerl>}

The Secure Hash Standard (Draft FIPS PUB 180-4) can be found at:


The Keyed-Hash Message Authentication Code (HMAC):


\texttt{=head1 AUTHOR}

Mark Shelor\textless mshelor@cpan.org\textgreater

\texttt{=head1 ACKNOWLEDGMENTS}

The author is particularly grateful to

\begin{itemize}
  \item Gisle Aas
  \item H. Merijn Brand
  \item Sean Burke
  \item Chris Carey
  \item Alexandr Ciornii
  \item Chris David
  \item Jim Doble
  \item Thomas Drugeon
  \item Julius Duque
  \item Jeffrey Friedl
  \item Robert Gilmour
  \item Brian Gladman
  \item Jarkko Hietaniemi
  \item Adam Kennedy
  \item Mark Lawrence
  \item Andy Lester
  \item Alex Muntada
  \item Steve Peters
  \item Chris Skiscim
\end{itemize}
Martin Thurn
Gunnar Wolf
Adam Woodbury

"who by trained skill rescued life from such great billows and such thick
darkness and moored it in so perfect a calm and in so brilliant a light"
- Lucretius

=head1 COPYRIGHT AND LICENSE

Copyright (C) 2003-2018 Mark Shelor

This library is free software; you can redistribute it and/or modify
it under the same terms as Perl itself.

=cut

Found in path(s):
* /opt/cola/permits/1137994381_1614192640.86/0/perl-Digest-SHA-6.02-1.el8-1.src.rpm-cosi-expand-archive-
tWM6GeIu/Digest-SHA-6.02.tar.gz-cosi-expand-archive-L4u9iy7z/Digest-SHA-6.02/lib/Digest/SHA.pm

1.941 python-six 1.11.0 8.el8
1.941.1 Available under license :
Copyright (c) 2010-2017 Benjamin Peterson

Permission is hereby granted, free of charge, to any person obtaining a copy of
this software and associated documentation files (the "Software"), to deal in
the Software without restriction, including without limitation the rights to
use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of
the Software, and to permit persons to whom the Software is furnished to do so,
subject to the following conditions:

The above copyright notice and this permission notice shall be included in all
copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS
FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR
COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER
IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
1.942 ipcalc 0.2.4 3.el8
1.942.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors’ reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone’s free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The ”Program”, below,
refers to any such program or work, and a ”work based on the Program”
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term ”modification”.) Each licensee is addressed as ”you”.

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program’s
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.943 perl-pod-usage 1.69 395.el8

1.943.1 Available under license:

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
"Copyright Holder" is whoever is named in the copyright or copyrights for the package.
"You" is you, if you're thinking about copying or distributing this Package.
"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.
1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.
b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.944 nftables 0.9.0 14.el8
nftables is distributed under the terms of the GPL version 2. Note that *
only* version 2 of the GPL applies, not "any later version".

Patrick McHardy <kaber@trash.net>

-----------------------------------------------------------------------------------

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) 19yy name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.945 derbylocale-ja-jp 10.14.2.0
1.945.1 Available under license :

=========================================================================  
== NOTICE file corresponding to section 4(d) of the Apache License,==  
== Version 2.0, in this case for the Apache Derby distribution.==  
== DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED==  
== BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE.==  
=========================================================================  

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

=========================================================================  

Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
"Software Grant and Corporate Contribution License Agreement",
informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code
with which this file is now or was at one time distributed
and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.
The portion of the functionTests under 'nist' was originally developed by the National Institute of Standards and Technology (NIST), an agency of the United States Department of Commerce, and adapted by International Business Machines Corporation in accordance with the NIST Software Acknowledgment and Redistribution document at http://www.itl.nist.gov/div897/ctg/sql_form.htm

The Derby build relies on source files supplied by the Apache Felix project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.
III. License Summary
- Apache License 2.0
- BSD License

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects,
including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license
and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such
as the Unicode Character Database. See http://unicode.org/copyright.html for more
details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were
automatically generated with the moman/finnenight FSA library, created by
Jean-Philippe Barrette-LaPierre. This library is available under an MIT license,
see http://sites.google.com/site/rrettesite/moman and
http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from
the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0.
See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0
See http://junit.sourceforge.net/cpl-v10.html
This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin
g Package (jaspell): http://jaspell.sourceforge.net/
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
http://snowball.tartarus.org/

The KStem stemmer in
analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil,
and Edmond Nolan.

The Polish analyzer (stempel) comes with a default
The Carrot2 stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smarten) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST), the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and fitness, in no event shall NAIST be liable for
any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortious action, arising out of or in connection with the use or performance of this software.

A large portion of the dictionary entries originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use,
modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

========================================================================

The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/. The JSON simple jar file is licensed under the Apache 2.0 License. No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work,
excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.946 spi-annotations 2.25.2

1.946.1 Available under license:

Camel :: SPI Annotations
Copyright 2007-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.947 jetty-schemas 3.1.M0

1.948 linux-firmware 39.31.5.1-94.el8.1

1.948.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.
Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.
A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or
similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive
interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).
The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the
violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.
A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version”.

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying” means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.
A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".
You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.949 linux-firmware 25.30.13.0-94.el8.1

1.949.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this
License. Each licensee is addressed as "you". "Licensees" and
"recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work
in a fashion requiring copyright permission, other than the making of an
exact copy. The resulting work is called a "modified version" of the
earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based
on the Program.

To "propagate" a work means to do anything with it that, without
permission, would make you directly or secondarily liable for
infringement under applicable copyright law, except executing it on a
computer or modifying a private copy. Propagation includes copying,
distribution (with or without modification), making available to the
public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other
parties to make or receive copies. Mere interaction with a user through
a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices"
to the extent that it includes a convenient and prominently visible
feature that (1) displays an appropriate copyright notice, and (2)
tells the user that there is no warranty for the work (except to the
extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source
form of a work.

A "Standard Interface" means an interface that either is an official
standard defined by a recognized standards body, or, in the case of
interfaces specified for a particular programming language, one that
is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10

Open Source Used in CSPC_Collector 2.9.1 26809
3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7
additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord
d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or
author attributions in that material or in the Appropriate Legal
Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or
requiring that modified versions of such material be marked in
reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or
authors of the material; or

e) Declining to grant rights under trademark law for use of some
trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that
material by anyone who conveys the material (or modified versions of
it) with contractual assumptions of liability to the recipient, for
any liability that these contractual assumptions directly impose on
those licensors and authors.

All other non-permissive additional terms are considered “further
restrictions” within the meaning of section 10. If the Program as you
received it, or any part of it, contains a notice stating that it is
governed by this License along with a term that is a further
restriction, you may remove that term. If a license document contains
a further restriction but permits relicensing or conveying under this
License, you may add to a covered work material governed by the terms
of that license document, provided that the further restriction does
not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you
must place, in the relevant source files, a statement of the
additional terms that apply to those files, or a notice indicating
where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the
form of a separately written license, or stated as exceptions;
the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly
provided under this License. Any attempt otherwise to propagate or
modify it is void, and will automatically terminate your rights under
this License (including any patent licenses granted under the third
paragraph of section 11).

However, if you cease all violation of this License, then your
license from a particular copyright holder is reinstated (a)
provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may
not impose a license fee, royalty, or other charge for exercise of
rights granted under this License, and you may not initiate litigation
(including a cross-claim or counterclaim in a lawsuit) alleging that
any patent claim is infringed by making, using, selling, offering for
sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The
work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims
owned or controlled by the contributor, whether already acquired or
hereafter acquired, that would be infringed by some manner, permitted
by this License, of making, using, or selling its contributor version,
but do not include claims that would be infringed only as a
consequence of further modification of the contributor version. For
purposes of this definition, "control" includes the right to grant
patent sublicenses in a manner consistent with the requirements of
this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free
patent license under the contributor's essential patent claims, to
make, use, sell, offer for sale, import and otherwise run, modify and
propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express
agreement or commitment, however denominated, not to enforce a patent
(such as an express permission to practice a patent or covenant not to
sue for patent infringement). To "grant" such a patent license to a
party means to make such an agreement or commitment not to enforce a
patent against the party.

If you convey a covered work, knowingly relying on a patent license,
and the Corresponding Source of the work is not available for anyone
to copy, free of charge and under the terms of this License, through a
publicly available network server or other readily accessible means,
then you must either (1) cause the Corresponding Source to be so
available, or (2) arrange to deprive yourself of the benefit of the
patent license for this particular work, or (3) arrange, in a manner
consistent with the requirements of this License, to extend the patent
license to downstream recipients. "Knowingly relying" means you have
actual knowledge that, but for the patent license, your conveying the
covered work in a country, or your recipient's use of the covered work
in a country, would infringe one or more identifiable patents in that
country that you have reason to believe are valid.
If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the
14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of
the GNU General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the
Program specifies that a certain numbered version of the GNU General
Public License "or any later version" applies to it, you have the
option of following the terms and conditions either of that numbered
version or of any later version published by the Free Software
Foundation. If the Program does not specify a version number of the
GNU General Public License, you may choose any version ever published
by the Free Software Foundation.

If the Program specifies that a proxy can decide which future
versions of the GNU General Public License can be used, that proxy's
public statement of acceptance of a version permanently authorizes you
to choose that version for the Program.

Later license versions may give you additional or different
permissions. However, no additional obligations are imposed on any
author or copyright holder as a result of your choosing to follow a
later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS).
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.

For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.950 ebtables 1.8.4-10.el8_2.1

1.950.1 Available under license:

All code in this package, including the code from the extensions, is released under the GPL license, which you find hereafter.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.951 perl-digest-hmac 1.03-17.el8
1.951.1 Available under license :
No license file was found, but licenses were detected in source scan.

Name: perl-Digest-HMAC
Version: 1.03
Release: 17%{?dist}
Summary: Keyed-Hashing for Message Authentication
License: GPL+ or Artistic
Group: Development/Libraries
URL: http://search.cpan.org/dist/Digest-HMAC/
Source0: http://www.cpan.org/authors/id/G/GA/GAAS/Digest-HMAC-%{version}.tar.gz
BuildRoot: %(_tmpopath)/%{name}-%{version}-%{release}-root-%{_id_u} -n
BuildArch: noarch
BuildRequires: perl-generators
BuildRequires: perl(Digest::MD5), perl(Digest::SHA1), perl(ExtUtils::MakeMaker)
%description
HMAC is used for message integrity checks between two parties that share a secret key, and works in combination with some other Digest algorithm, usually MD5 or SHA-1. The HMAC mechanism is described in RFC 2104.

HMAC follow the common Digest:: interface, but the constructor takes the secret key and the name of some other simple Digest:: as argument.

%prep
%setup -q -n Digest-HMAC-%{version}

%build
%{__perl} Makefile.PL INSTALLDIRS=vendor
make %{?_smp_mflags}

%install
make pure_install PERL_INSTALL_ROOT=$RPM_BUILD_ROOT
find $RPM_BUILD_ROOT -type f -name .packlist -exec rm -f {} ';' find $RPM_BUILD_ROOT -type d -depth -exec rmdir {} 2>/dev/null ;'
chmod -R u+w $RPM_BUILD_ROOT/*

%check
make test

%files
%doc Changes README
%{perl_vendorlib}/Digest/
%{_mandir}/man3/*.3*

%changelog
* Thu Feb 08 2018 Fedora Release Engineering <releng@fedoraproject.org> - 1.03-17
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_28_Mass_Rebuild

* Thu Jul 27 2017 Fedora Release Engineering <releng@fedoraproject.org> - 1.03-16
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_27_Mass_Rebuild

* Sun Jun 04 2017 Jitka Plesnikova <jplesnik@redhat.com> - 1.03-15
  - Perl 5.26 rebuild
<table>
<thead>
<tr>
<th>Date</th>
<th>Author</th>
<th>Notes</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sat Feb 11 2017</td>
<td>Fedora Release Engineering <a href="mailto:releng@fedoraproject.org">releng@fedoraproject.org</a></td>
<td>- Rebuilt for <a href="https://fedoraproject.org/wiki/Fedora_26_Mass_Rebuild">https://fedoraproject.org/wiki/Fedora_26_Mass_Rebuild</a></td>
<td>1.03-14</td>
</tr>
<tr>
<td>Sun May 15 2016</td>
<td>Jitka Plesnikova <a href="mailto:jplesnik@redhat.com">jplesnik@redhat.com</a></td>
<td>- Perl 5.24 rebuild</td>
<td>1.03-13</td>
</tr>
<tr>
<td>Thu Feb 04 2016</td>
<td>Fedora Release Engineering <a href="mailto:releng@fedoraproject.org">releng@fedoraproject.org</a></td>
<td>- Rebuilt for <a href="https://fedoraproject.org/wiki/Fedora_24_Mass_Rebuild">https://fedoraproject.org/wiki/Fedora_24_Mass_Rebuild</a></td>
<td>1.03-12</td>
</tr>
<tr>
<td>Thu Jun 18 2015</td>
<td>Fedora Release Engineering <a href="mailto:rel-eng@lists.fedoraproject.org">rel-eng@lists.fedoraproject.org</a></td>
<td>- Rebuilt for <a href="https://fedoraproject.org/wiki/Fedora_23_Mass_Rebuild">https://fedoraproject.org/wiki/Fedora_23_Mass_Rebuild</a></td>
<td>1.03-11</td>
</tr>
<tr>
<td>Thu Jun 04 2015</td>
<td>Jitka Plesnikova <a href="mailto:jplesnik@redhat.com">jplesnik@redhat.com</a></td>
<td>- Perl 5.22 rebuild</td>
<td>1.03-10</td>
</tr>
<tr>
<td>Wed Aug 27 2014</td>
<td>Jitka Plesnikova <a href="mailto:jplesnik@redhat.com">jplesnik@redhat.com</a></td>
<td>- Perl 5.20 rebuild</td>
<td>1.03-9</td>
</tr>
<tr>
<td>Sat Jun 07 2014</td>
<td>Fedora Release Engineering <a href="mailto:rel-eng@lists.fedoraproject.org">rel-eng@lists.fedoraproject.org</a></td>
<td>- Rebuilt for <a href="https://fedoraproject.org/wiki/Fedora_21_Mass_Rebuild">https://fedoraproject.org/wiki/Fedora_21_Mass_Rebuild</a></td>
<td>1.03-8</td>
</tr>
<tr>
<td>Sat Aug 03 2013</td>
<td>Fedora Release Engineering <a href="mailto:rel-eng@lists.fedoraproject.org">rel-eng@lists.fedoraproject.org</a></td>
<td>- Rebuilt for <a href="https://fedoraproject.org/wiki/Fedora_20_Mass_Rebuild">https://fedoraproject.org/wiki/Fedora_20_Mass_Rebuild</a></td>
<td>1.03-7</td>
</tr>
<tr>
<td>Thu Jul 18 2013</td>
<td>Petr Pisar <a href="mailto:ppisar@redhat.com">ppisar@redhat.com</a></td>
<td>- Perl 5.18 rebuild</td>
<td>1.03-6</td>
</tr>
<tr>
<td>Thu Feb 14 2013</td>
<td>Fedora Release Engineering <a href="mailto:rel-eng@lists.fedoraproject.org">rel-eng@lists.fedoraproject.org</a></td>
<td>- Rebuilt for <a href="https://fedoraproject.org/wiki/Fedora_19_Mass_Rebuild">https://fedoraproject.org/wiki/Fedora_19_Mass_Rebuild</a></td>
<td>1.03-5</td>
</tr>
<tr>
<td>Fri Jul 20 2012</td>
<td>Fedora Release Engineering <a href="mailto:rel-eng@lists.fedoraproject.org">rel-eng@lists.fedoraproject.org</a></td>
<td>- Rebuilt for <a href="https://fedoraproject.org/wiki/Fedora_18_Mass_Rebuild">https://fedoraproject.org/wiki/Fedora_18_Mass_Rebuild</a></td>
<td>1.03-4</td>
</tr>
<tr>
<td>Tue Jun 12 2012</td>
<td>Petr Pisar <a href="mailto:ppisar@redhat.com">ppisar@redhat.com</a></td>
<td>- Perl 5.16 rebuild</td>
<td>1.03-3</td>
</tr>
<tr>
<td>Fri Jan 13 2012</td>
<td>Fedora Release Engineering <a href="mailto:rel-eng@lists.fedoraproject.org">rel-eng@lists.fedoraproject.org</a></td>
<td>- Rebuilt for <a href="https://fedoraproject.org/wiki/Fedora_17_Mass_Rebuild">https://fedoraproject.org/wiki/Fedora_17_Mass_Rebuild</a></td>
<td>1.03-2</td>
</tr>
<tr>
<td>Thu Sep 22 2011</td>
<td>Marcela Malov <a href="mailto:mmaslano@redhat.com">mmaslano@redhat.com</a></td>
<td>- update to 1.03</td>
<td>1.03-1</td>
</tr>
<tr>
<td>Sun Jun 19 2011</td>
<td>Marcela Malov <a href="mailto:mmaslano@redhat.com">mmaslano@redhat.com</a></td>
<td>- Perl mass rebuild</td>
<td>1.02-6</td>
</tr>
<tr>
<td>Tue Feb 08 2011</td>
<td>Fedora Release Engineering <a href="mailto:rel-eng@lists.fedoraproject.org">rel-eng@lists.fedoraproject.org</a></td>
<td>- Rebuilt for <a href="https://fedoraproject.org/wiki/Fedora_15_Mass_Rebuild">https://fedoraproject.org/wiki/Fedora_15_Mass_Rebuild</a></td>
<td>1.02-5</td>
</tr>
</tbody>
</table>
* Thu Dec 16 2010 Marcela Maslanova <mmaslano@redhat.com> - 1.02-4
- 661697 rebuild for fixing problems with vendorach/lib

* Sat May 01 2010 Marcela Maslanova <mmaslano@redhat.com> - 1.02-3
- Mass rebuild with perl-5.12.0

* Fri Apr 30 2010 Marcela Maslanova <mmaslano@redhat.com> - 1.02-2
- Mass rebuild with perl-5.12.0

* Tue Apr 20 2010 Petr Pisar <ppisar@redhat.com> - 1.02-1
- version bump
- rfc2104.txt removed by upstream

* Mon Dec 7 2009 Stepan Kasal <skasal@redhat.com> - 1.01-22
- rebuild against perl 5.10.1

* Sat Jul 25 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.01-21
- Rebuilt for https://fedoraproject.org/wiki/Fedora_12_Mass_Rebuild

* Thu Feb 26 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.01-20
- Rebuilt for https://fedoraproject.org/wiki/Fedora_11_Mass_Rebuild

* Wed Feb 27 2008 Tom "spot" Callaway <tcallawa@redhat.com> - 1.01-19
- Rebuild for perl 5.10 (again)

* Sun Jan 20 2008 Tom "spot" Callaway <tcallawa@redhat.com> - 1.01-18
- rebuild for new perl

* Wed Oct 24 2007 Robin Norwood <rnorwood@redhat.com> - 1.01-17
- fix various issues from package review

* Mon Aug 27 2007 Robin Norwood <rnorwood@redhat.com> - 1.01-16
- Fix license tag
- add %%%doc section
- Add BuildRequire: perl(ExtUtils::MakeMaker)

* Fri Jul 14 2006 Jesse Keating <jkeating@redhat.com> - 1.01-15
- rebuild for new perl-5.8.8

* Fri Feb 03 2006 Jason Vas Dias <jvdias@redhat.com> - 1.01-14.2
- rebuild for new perl-5.8.8

* Fri Dec 16 2005 Jesse Keating <jkeating@redhat.com>
- rebuilt for new gcc

* Fri Dec 16 2005 Jesse Keating <jkeating@redhat.com>
- rebuilt for new gcj
HMAC is used for message integrity checks between two parties that share a secret key, and works in combination with some other Digest algorithm, usually MD5 or SHA-1. The HMAC mechanism is described in RFC 2104.

The Digest::HMAC module follow the common Digest:: interface, but the constructor takes the secret key and the name of some other simple Digest:: module as argument.

You will need perl version 5.004 or better to install these modules. The Digest::MD5 module and Digest::SHA1 module must be installed.

Copyright 1998-2001 Gisle Aas.
Copyright 1998 Graham Barr.
This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):
* /opt/cola/permits/1137994303_1614192663.69/0/perl-Digest-HMAC-1.03-17.el8-1.src.rpm-cosi-expand-archive-RL4PDhYQ/Digest-HMAC-1.03.tar.gz-cosi-expand-archive-JhwUqMAj/Digest-HMAC-1.03/README

1.952 jersey-apache-connector 2.27

1.952.1 Available under license :

Found license 'General Public License 2.0' in '# Copyright (c) 2013-2017 Oracle and/or its affiliates. All rights reserved. # The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can # Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License

Found license 'General Public License 2.0' in '* Copyright (c) 2010-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License

Found license 'General Public License 2.0' in '* Copyright (c) 2013-2017 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License

1.953 httpcomponents-mime 4.0.1

1.953.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.
2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

This project contains annotations derived from JCIP-ANNOTATIONS
Copyright (c) 2005 Brian Goetz and Tim Peierls.
See http://www.jcip.net and the Creative Commons Attribution License (http://creativecommons.org/licenses/by/2.5)
Apache HttpComponents Client - HttpMime
Copyright 1999-2009 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

This project contains annotations derived from JCIP-ANNOTATIONS
Copyright (c) 2005 Brian Goetz and Tim Peierls. See http://www.jcip.net

1.954 httpcomponents-client 4.5.2
1.954.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or
indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and

You must cause any modified files to carry prominent notices stating that You changed the files; and

You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License. You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.955 tcl 8.6.8 2.el8
1.955.1 Available under license:

Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

This software is copyrighted by the Regents of the University of California, Sun Microsystems, Inc., Scriptics Corporation, ActiveState Corporation and other parties. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY
1.956 keyutils 1.5.10 6.el8

1.956.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL.  It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those
libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other
program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above,

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.957 spring-jms 2.5.1
1.957.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.958 perl-io-socket-ip 0.39-5.el8

1.958.1 Available under license :

This software is copyright (c) 2017 by Paul Evans <leonerd@leonerd.org.uk>.

This is free software; you can redistribute it and/or modify it under
the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free
   Software Foundation; either version 1, or (at your option) any
   later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 2017 by Paul Evans <leonerd@leonerd.org.uk>.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which
contains a notice placed by the copyright holder saying it may be
distributed under the terms of this General Public License. The
"Program", below, refers to any such program or work, and a "work based
on the Program" means either the Program or any work containing the
Program or a portion of it, either verbatim or with modifications. Each
licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source
code as you receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice and
disclaimer of warranty; keep intact all the notices that refer to this
General Public License and to the absence of any warranty; and give any
other recipients of the Program a copy of this General Public License
along with the Program. You may charge a fee for the physical act of
transferring a copy.

2. You may modify your copy or copies of the Program or any portion of
it, and copy and distribute such modifications under the terms of Paragraph
1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that
      you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that
      in whole or in part contains the Program or any part thereof, either
      with or without modifications, to be licensed at no charge to all
      third parties under the terms of this General Public License (except
      that you may choose to grant warranty protection to some or all
      third parties, at your option).

   c) If the modified program normally reads commands interactively when
      run, you must cause it, when started running for such interactive use
      in the simplest and most usual way, to print or display an
      announcement including an appropriate copyright notice and a notice
      that there is no warranty (or else, saying that you provide a
      warranty) and that users may redistribute the program under these
      conditions, and telling the user how to view a copy of this General
      Public License.

   d) You may charge a fee for the physical act of transferring a
      copy, and you may at your option offer warranty protection in
      exchange for a fee.

Mere aggregation of another independent work with the Program (or its
derivative) on a volume of a storage or distribution medium does not bring
the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of
it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to
attach them to the start of each source file to most effectively convey
the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 1, or (at your option)
any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the
commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your
program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 2017 by Paul Evans <leonerd@leonerd.org.uk>.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

I. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.
2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.
6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.959 hostname 3.20 6.el8 1.959.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

**GNU GENERAL PUBLIC LICENSE**

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

This package was written by Peter Tobias <tobias@et-inf.fho-emden.de>
on Thu, 16 Jan 1997 01:00:34 +0100.

License:

Copyright (C) 2009 Michael Meskes <meskes@debian.org>
Copyright (C) 2004-2005 Graham Wilson <graham@debian.org>
Copyright (C) 1997 Bernd Eckenfels
Copyright (C) 1997 Peter Tobias <tobias@et-inf.fho-emden.de>
Copyright (C) 1996 Free Software Foundation, Inc.

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; version 2 of the License.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
On Debian systems, the complete text of the GNU General Public License
can be found in /usr/share/common-licenses/GPL-2 file.
hostname -- set the host name or show the host/domain name
Copyright (C) 1994-1997 Peter Tobias <tobias@et-inf.fho-emden.de>
2009- Michael Meskes <meskes@debian.org>
This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2, or (at your option)
any later version.
This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.
You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

1.960 ansible 2.9.15-1.el8
1.960.1 Available under license :
# Test code for the vcenter license module.
# Copyright: (c) 2017, Dag Wieers <dag@wieers.com>
# GNU General Public License v3.0+ (see COPYING or https://www.gnu.org/licenses/gpl-3.0.txt)
- when: vcsim is not defined
block:
- name: Add a vCenter evaluation license
vcenter_license: &vcenter_lic_data
hostname: "{{ vcenter_hostname }}"
username: "{{ vcenter_username }}"
password: "{{ vcenter_password }}"
validate_certs: no
license: 00000-00000-00000-00000-00000
state: present
- name: Remove an (unused) vCenter evaluation license
vcenter_license:
<<: *vcenter_lic_data
state: absent
- name: Add an invalid vCenter license
vcenter_license:
<<: *vcenter_lic_data

Open Source Used In CSPC_Collector 2.9.1 26879


This package was debianized by Henry Graham (hzgraham) <Henry.Graham@mail.wvu.edu> on Tue, 17 Apr 2012 12:19:47 -0400.

It was downloaded from https://github.com/ansible/ansible.git

Copyright: Henry Graham (hzgraham) <Henry.Graham@mail.wvu.edu>

License:

This package is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 dated June, 1991.

This package is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this package; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

On Debian systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL'.

PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2

This LICENSE AGREEMENT is between the Python Software Foundation ("PSF"), and the Individual or Organization ("Licensee") accessing and otherwise using this software ("Python") in source or binary form and its associated documentation.

3. In the event Licensee prepares a derivative work that is based on or incorporates Python or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python.

4. PSF is making Python available to Licensee on an "AS IS" basis. PSF MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, PSF MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. PSF SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between PSF and Licensee. This License Agreement does not grant permission to use PSF trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By copying, installing or otherwise using Python, Licensee agrees to be bound by the terms and conditions of this License Agreement.

shippable/vcenter/group1
cloud/vcenter

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to
avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a
covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.
5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by
When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the
additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.
Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a
party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot convey a
covered work so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you may
not convey it at all. For example, if you agree to terms that obligate you
to collect a royalty for further conveying from those to whom you convey
the Program, the only way you could satisfy both those terms and this
License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have
permission to link or combine any covered work with a work licensed
under version 3 of the GNU Affero General Public License into a single
combined work, and to convey the resulting work. The terms of this
License will continue to apply to the part which is the covered work,
but the special requirements of the GNU Affero General Public License,
section 13, concerning interaction through a network will apply to the
combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of
the GNU General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the
Program specifies that a certain numbered version of the GNU General
Public License "or any later version" applies to it, you have the
option of following the terms and conditions either of that numbered
version or of any later version published by the Free Software
Foundation. If the Program does not specify a version number of the
GNU General Public License, you may choose any version ever published
by the Free Software Foundation.

If the Program specifies that a proxy can decide which future
versions of the GNU General Public License can be used, that proxy’s
public statement of acceptance of a version permanently authorizes you
to choose that version for the Program.

Later license versions may give you additional or different
permissions. However, no additional obligations are imposed on any
author or copyright holder as a result of your choosing to follow a
later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program.  If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License.  Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the
following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following
disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR
ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] {name of copyright owner}

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and
associated documentation files (the "Software"), to deal in the Software without restriction,
including without limitation the rights to use, copy, modify, merge, publish, distribute,
sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial
portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED,
INCLUDING BUT
NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR
PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE
FOR ANY CLAIM, DAMAGES
OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING
FROM, OUT OF OR IN
CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.961 commons-logging 1.1.1

1.961.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
// NOTICE file corresponding to the section 4d of The Apache License,
// Version 2.0, in this case for Commons Logging
// ------------------------------------------------------------------

Commons Logging
Copyright 2001-2007 The Apache Software Foundation

This product includes/uses software(s) developed by 'an unknown organization'
- Unnamed - avalon-framework:avalon-framework:jar:4.1.3
- Unnamed - log4j:log4j:jar:1.2.12
- Unnamed - logkit:logkit:jar:1.0.1

1.962 initscripts 10.00.4 1.el8

1.962.1 Available under license :
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
      stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in
      whole or in part contains or is derived from the Program or any
      part thereof, to be licensed as a whole at no charge to all third
      parties under the terms of this License.

   c) If the modified program normally reads commands interactively
      when run, you must cause it, when started running for such
      interactive use in the most ordinary way, to print or display an
      announcement including an appropriate copyright notice and a
      notice that there is no warranty (or else, saying that you provide
      a warranty) and that users may redistribute the program under
      these conditions, and telling the user how to view a copy of this
      License. (Exception: if the Program itself is interactive but
      does not normally print such an announcement, your work based on
      the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.963 autoconf 2.69-8.ph3
1.963.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

   Gnomovision version 69, Copyright (C) year name of author
   Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
   This is free software, and you are welcome to redistribute it
   under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

   Yoyodyne, Inc., hereby disclaims all copyright interest in the program
   'Gnomovision' (which makes passes at compilers) written by James Hacker.

   <signature of Ty Coon>, 1 April 1989
   Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
   Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and
modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.
A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work’s users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:
a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product
model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.
"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own
removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions;
the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.
An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone
to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey
the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

AUTOCONF CONFIGURE SCRIPT EXCEPTION
Version 3.0, 18 August 2009

Copyright (C) 2009 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This Exception is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

The purpose of this Exception is to allow distribution of Autoconf's typical output under terms of the recipient's choice (including proprietary).

0. Definitions
"Covered Code" is the source or object code of a version of Autoconf that is a covered work under this License.

"Normally Copied Code" for a version of Autoconf means all parts of its Covered Code which that version can copy from its code (i.e., not from its input file) into its minimally verbose, non-debugging and non-tracing output.

"Ineligible Code" is Covered Code that is not Normally Copied Code.

1. Grant of Additional Permission.

You have permission to propagate output of Autoconf, even if such propagation would otherwise violate the terms of GPLv3. However, if by modifying Autoconf you cause any Ineligible Code of the version you received to become Normally Copied Code of your modified version, then you void this Exception for the resulting covered work. If you convey that resulting covered work, you must remove this Exception in accordance with the second paragraph of Section 7 of GPLv3.

2. No Weakening of Autoconf Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of Autoconf.

@center The GNU Free Documentation License.
@center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

display
@uref{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
display
@enumerate 0
@item
PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way
to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of ”copyleft”, which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The ”Document”, below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as ”you”. You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A ”Modified Version” of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A ”Secondary Section” is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The ”Invariant Sections” are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not
allowed to be designated as Invariant. The Document may contain zero
Invariant Sections. If the Document does not identify any Invariant
Sections then there are none.

The ``Cover Texts'' are certain short passages of text that are listed,
as Front-Cover Texts or Back-Cover Texts, in the notice that says that
the Document is released under this License. A Front-Cover Text may
be at most 5 words, and a Back-Cover Text may be at most 25 words.

A ``Transparent'' copy of the Document means a machine-readable copy,
represented in a format whose specification is available to the
general public, that is suitable for revising the document
straightforwardly with generic text editors or (for images composed of
pixels) generic paint programs or (for drawings) some widely available
drawing editor, and that is suitable for input to text formatters or
for automatic translation to a variety of formats suitable for input
to text formatters. A copy made in an otherwise Transparent file
format whose markup, or absence of markup, has been arranged to thwart
or discourage subsequent modification by readers is not Transparent.
An image format is not Transparent if used for any substantial amount
of text. A copy that is not ``Transparent'' is called ``Opaque''.

Examples of suitable formats for Transparent copies include plain
ASCII without markup, Texinfo input format, La\TeX{} input
format, SGML or XML using a publicly available
DTD, and standard-conforming simple HTML,
PostScript or PDF designed for human modification. Examples
of transparent image formats include PNG, XCF and
JPG. Opaque formats include proprietary formats that can be
read and edited only by proprietary word processors, SGML or
XML for which the DTD and/or processing tools are
not generally available, and the machine-generated HTML,
PostScript or PDF produced by some word processors for
output purposes only.

The ``Title Page'' means, for a printed book, the title page itself,
plus such following pages as are needed to hold, legibly, the material
this License requires to appear in the title page. For works in
formats which do not have any title page as such, ``Title Page'' means
the text near the most prominent appearance of the work's title,
preceding the beginning of the body of the text.

The ``publisher'' means any person or entity that distributes copies
of the Document to the public.

A section ``Entitled XYZ'' means a named subunit of the Document whose
title either is precisely XYZ or contains XYZ in parentheses following
text that translates XYZ in another language. (Here XYZ stands for a
specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.
If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

@item
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate A
@item
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled ``History'', Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled ``History'' in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the ``History'' section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled ``Acknowledgements'' or ``Dedications'', Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.
The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.
@item

TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled ``Acknowledgements'', ``Dedications'', or ``History'', the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item

TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does
not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License ``or any later version'' applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RE LICENSING

``Massive Multiauthor Collaboration Site'' (or ``MMC Site'') means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A ``Massive Multiauthor Collaboration'' (or ``MMC'') contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA'' means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate'' means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is ``eligible for relicensing'' if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections,
and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page
@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smlalexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled ```GNU Free Documentation License```.  
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ```with@dots{ }Texts.'``` line with this:

@smlalexample
@group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@c Local Variables:
1.964 setools 4.2.2 1.el8

1.964.1 Available under license:

The intent is to allow free use of this source code. All programs' source files are copyright protected and freely distributed under the GNU General Public License (see COPYING/GPL). All library source files are copyright under the GNU Lesser General Public License (see COPYING.LGPL). All files distributed with this package indicate the appropriate license to use with that file. Absolutely no warranty is provided or implied.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.
To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable “work that
uses the Library”, as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).
To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. Because the program is licensed free of charge, there is no warranty for the program, to the extent permitted by applicable law. Except when otherwise stated in writing the copyright holders and/or other parties provide the program "as is" without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The entire risk as to the quality and performance of the program is with you. Should the program prove defective, you assume the cost of all necessary servicing, repair or correction.

12. In no event unless required by applicable law or agreed to in writing will any copyright holder, or any other party who may modify and/or redistribute the program as permitted above, be liable to you for damages, including any general, special, incidental or consequential damages arising out of the use or inability to use the program (including but not limited to loss of data or data being rendered inaccurate or losses sustained by you or third parties or a failure of the program to operate with any other programs), even if such holder or other party has been advised of the possibility of such damages.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.965 brotli 1.0.6 1.el8
1.965.1 Available under license:
Copyright (c) 2009, 2010, 2013-2016 by the Brotli Authors.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
THE SOFTWARE.

1.966 activemq-pool 5.15.14
1.966.1 Available under license :

ActiveMQ :: Pool
Copyright 2005-2020 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
   Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
   stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
   that You distribute, all copyright, patent, trademark, and
   attribution notices from the Source form of the Work,
   excluding those notices that do not pertain to any part of
   the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.967 userspace-rcu 0.10.1 2.el8

1.967.1 Available under license:
Mathieu Desnoyers
May 13th, 2009

IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the userspace RCU library in a patch submitted on May 8, 2009 from Paul E. McKenney and reviewed by Steven L. Bennett:
I (Mathieu Desnoyers) re-implemented ACCESS_ONCE(), likely(), unlikely() and barrier() from scratch without reference to the original code.

commit id : 2dc5fa0f7cfbfb0a64a7a67b39626650e863f16a

Bert Wesarg <bert.wesarg@googlemail.com> approved LGPL relicensing of his patch in an email dated May 13, 2009:

http://lkml.org/lkml/2009/5/13/16

xchg() primitives has been rewritten from a MIT-licensed cmpxchg for Intel and powerpc. They are MIT-licensed and therefore usable in LGPL code. This cmpxchg code was obtained from the atomic_ops project:

http://www.hpl.hp.com/research/linux/atomic_ops/

I (Mathieu Desnoyers) wrote the remainder of the code.

The license for the library files in this project was therefore changed to LGPLv2.1 on May 13, 2009, as detailed in LICENSE.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.
When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".
A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
   Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
c) Accompany it with the information you received as to the offer to
distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.
This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```plaintext
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.
```

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.
1.968 libnetfilter-cttimeout 1.1.5-4.el8

1.968.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a
notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.969 osgi-core 6.0.0.201403061837
1.969.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.
"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.
To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.970 test-jetty-webapp 9.4.11.v20180605

1.970.1 Available under license:
No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Created-By: Apache Maven Bundle Plugin
Built-By: joakim
Build-Jdk: 9.0.4
Implementation-Vendor: Eclipse.org - Jetty
Implementation-Version: 9.4.11.v20180605
url: http://www.eclipse.org/jetty
Bnd-LastModified: 1528223121633
Bundle-Classpath: .
Bundle-Copyright: Copyright (c) 2008-2018 Mort Bay Consulting Pty. Ltd.
Bundle-Description: Jetty module for Jetty :: Http Utility
Bundle-DocURL: http://www.eclipse.org/jetty
Bundle-ManifestVersion: 2
Bundle-Name: Jetty :: Http Utility
Bundle-RequiredExecutionEnvironment: JavaSE-1.8
Bundle-SymbolicName: org.eclipse.jetty.http
Bundle-Vendor: Eclipse Jetty Project
Bundle-Version: 9.4.11.v20180605
Originally-Created-By: Apache Maven Bundle Plugin
Provide-Capability: osgi.serviceloader;osgi.serviceloader="org.eclipse.jetty.http.HttpFieldPreEncoder"
Tool: Bnd-3.3.0.201609221906

Found in path(s):
* /opt/cola/permits/1003218942_1607328775.61/0/test-jetty-webapp-9-4-11-v20180605-war WEB-INF/lib/jetty-http-9-4-11-v20180605-jar/META-INF/MANIFEST.MF
No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Bnd-LastModified: 1528225722666
Build-Jdk: 9.0.4
Built-By: joakim
Bundle-ClassPath: .WEB-INF/classes
Bundle-Copyright: Copyright (c) 2008-2018 Mort Bay Consulting Pty. Ltd.
Bundle-Description: Jetty module for Test :: Jetty Test Webapp
Bundle-DocumentURL: http://www.eclipse.org/jetty
Bundle-ManifestVersion: 2
Bundle-Name: Test :: Jetty Test Webapp
Bundle-RequiredExecutionEnvironment: JavaSE-1.8
Bundle-SymbolicName: org.eclipse.jetty.tests.webapp
Bundle-Vendor: Eclipse Jetty Project
Bundle-Version: 9.4.11.v20180605
Created-By: Apache Maven Bundle Plugin
Import-Package: javax.servlet.jsp;version="[2.2.0,3.0)";javax.servlet.jsp.tagext;version="[2.2.0,3.0)";org.eclipse.jetty.util;version="[9.4.11,9.4.12)";org.eclipse.jetty.util.log;version="[9.4.11,9.4.12)";org.eclipse.jetty.websocket.api;version="[9.4.11,9.4.12)";org.eclipse.jetty.websocket.api.annotations;version="[9.4.11,9.4.12)";org.eclipse.jetty.websocket.servlet;version="[9.4.11,9.4.12)";javax.annotation;javax.servlet;version="[3.1.0,4)";javax.servlet.annotation;version="[3.1.0,4)";javax.servlet.http;version="[3.1.0,4)";javax.websocket;version="[1.0.0,2)";javax.websocket.server;version="[1.0.0,2)"
Originally-Created-By: Apache Maven Bundle Plugin
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-3.3.0.201609221906
Web-ContextPath: /

Found in path(s):
*/opt/cola/permits/1003218942_1607328775.61/0/test-jetty-webapp-9-4-11-v20180605-war/WEB-INF/classes/META-INF/MANIFEST.MF
No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Created-By: Apache Maven Bundle Plugin
Built-By: joakim
Build-Jdk: 9.0.4
Implementation-Vendor: Eclipse.org - Jetty
Implementation-Version: 9.4.11.v20180605
url: http://www.eclipse.org/jetty
Bnd-LastModified: 1528223983350
Bundle-Classpath: .
Bundle-Copyright: Copyright (c) 2008-2018 Mort Bay Consulting Pty. Ltd
Bundle-Description: Jetty module for Jetty :: Websocket :: API
Bundle-DocURL: http://www.eclipse.org/jetty
Bundle-ManifestVersion: 2
Bundle-Name: Jetty :: Websocket :: API
Bundle-RequiredExecutionEnvironment: JavaSE-1.8
Bundle-SymbolicName: org.eclipse.jetty.websocket.api
Bundle-Vendor: Eclipse Jetty Project
Bundle-Version: 9.4.11.v20180605
Import-Package: org.eclipse.jetty.websocket.api;version="[9.4.11,10)";org.eclipse.jetty.websocket.api.extensions;version="[9.4.11,10)";
eclipse.jetty.websocket.api.util;version="[9.4.11,10)"
Originally-Created-By: Apache Maven Bundle Plugin
Tool: Bnd-3.3.0.201609221906

Found in path(s):
* /opt/cola/permits/1003218942_1607328775.61/0/test-jetty-webapp-9-4-11-v20180605-war/WEB-INF/lib/websocket-api-9-4-11-v20180605-jar/META-INF/MANIFEST.MF
No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Created-By: Apache Maven Bundle Plugin
Built-By: joakim
Build-Jdk: 9.0.4
Implementation-Vendor: Eclipse.org - Jetty
Implementation-Version: 9.4.11.v20180605
url: http://www.eclipse.org/jetty
Bnd-LastModified: 1528223664791
Bundle-Classpath: .
Bundle-Copyright: Copyright (c) 2008-2018 Mort Bay Consulting Pty. Ltd

Bundle-Description: Jetty module for Jetty :: Utility Servlets and Filters
Bundle-DocURL: http://www.eclipse.org/jetty
Bundle-ManifestVersion: 2
Bundle-Name: Jetty :: Utility Servlets and Filters
Bundle-RequiredExecutionEnvironment: JavaSE-1.8
Bundle-SymbolicName: org.eclipse.jetty.servlets
Bundle-Vendor: Eclipse Jetty Project
Bundle-Version: 9.4.11.v20180605
Originally-Created-By: Apache Maven Bundle Plugin
Require-Capability: osgi.ee;filter:="(&osgi.ee=JavaSE)(version=1.8)"
Found in path(s):
* /opt/cola/permits/1003218942_1607328775.61/0/test-jetty-webapp-9-4-11-v20180605-war/WEB-INF/lib/jetty-servlets-9-4-11-v20180605-jar/META-INF/MANIFEST.MF

No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Created-By: Apache Maven Bundle Plugin
Built-By: joakim
Build-Jdk: 9.0.4
Implementation-Vendor: Eclipse.org - Jetty
Implementation-Version: 9.4.11.v20180605
url: http://www.eclipse.org/jetty
Bnd-LastModified: 1528223640581
Bundle-Classpath: :
Bundle-Copyright: Copyright (c) 2008-2018 Mort Bay Consulting Pty. Ltd

Bundle-Description: Jetty module for Jetty :: Continuation
Bundle-DocURL: http://www.eclipse.org/jetty
Bundle-ManifestVersion: 2
Bundle-Name: Jetty :: Continuation
Bundle-RequiredExecutionEnvironment: JavaSE-1.8
Bundle-SymbolicName: org.eclipse.jetty.continuation
Bundle-Vendor: Eclipse Jetty Project
Bundle-Version: 9.4.11.v20180605
Export-Package: org.eclipse.jetty.continuation;version="9.4.11";uses:="javax.servlet"
Import-Package: javax.servlet;version="[3.1.0,4)"
Originally-Created-By: Apache Maven Bundle Plugin
Require-Capability: osgi.ee;filter:="(&osgi.ee=JavaSE)(version=1.8)"
Tool: Bnd-3.3.0.201609221906

Found in path(s):
* /opt/cola/permits/1003218942_1607328775.61/0/test-jetty-webapp-9-4-11-v20180605-war/WEB-INF/lib/jetty-continuation-9-4-11-v20180605-jar/META-INF/MANIFEST.MF

No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Created-By: Apache Maven Bundle Plugin
Built-By: joakim
Build-Jdk: 9.0.4
Implementation-Vendor: Eclipse.org - Jetty
Implementation-Version: 9.4.11.v20180605
url: http://www.eclipse.org/jetty
Bnd-LastModified: 1528223088290
No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Created-By: Apache Maven Bundle Plugin
Built-By: joakim
Build-Jdk: 9.0.4
Bnd-LastModified: 1528225722666
Bundle-ClassPath: .,WEB-INF/classes
Bundle-Copyright: Copyright (c) 2008-2018 Mort Bay Consulting Pty. Ltd
Bundle-Description: Jetty module for Test :: Jetty Test Webapp
Bundle-DocURL: http://www.eclipse.org/jetty
Bundle-ManifestVersion: 2
Bundle-Name: Test :: Jetty Test Webapp
Bundle-RequiredExecutionEnvironment: JavaSE-1.8
Bundle-SymbolicName: org.eclipse.jetty.tests.webapp
Bundle-Vendor: Eclipse Jetty Project
Bundle-Version: 9.4.11.v20180605
Web-ContextPath: /

<HTML>
<HEAD>
<TITLE>Powered By Jetty - Auth Links</TITLE>
<META http-equiv="Pragma" content="no-cache">
<META http-equiv="Cache-Control" content="no-cache,no-store">
</HEAD>
<BODY>
Jetty Authentication Links

This page contains several links to test the authentication constraints:

<ul>
<li><a href="auth/file.txt">auth/file.txt</a> - Forbidden</li>
<li><a href="auth/relax.txt">auth/relax.txt</a> - Allowed</li>
<li><a href="auth2/index.html">auth2/index.html</a> - Authenticated (tests FormAuthenticator.setAlwaysSaveUri())</li>
<li><a href="dump/auth/noaccess/info">dump/auth/noaccess/*</a> - Forbidden</li>
<li><a href="dump/auth/relax/info">dump/auth/relax/*</a> - Allowed</li>
<li><a href="dump/auth/info">dump/auth/*</a> - Authenticated any user with any role</li>
<li><a href="dump/auth/admininfo">dump/auth/admin/*</a> - Authenticated admin role</li>
<li><a href="dump/auth/ssl/info">dump/auth/ssl/*</a> - Confidential</li>
<li><a href="rego/info">rego/info/*</a> - Authenticated admin role from programmatic security</li>
<li><a href="rego2/info">rego2/info/*</a> - Authenticated servlet-administrator role from programmatic security</li>
<li><a href="login?action=login">login</a> - Programmatically login as the user jetty/jetty</li>
<li><a href="login?action=x">check login status</a> - Check the request's login status</li>
<li><a href="login?action=logout">logout</a> - Programmatically logout the logged in user</li>
<li><a href="login?action=wrong">incorrect login</a> - Programmatically login with incorrect credentials</li>
</ul>

Usernames/Passwords are jetty/jetty admin/admin & user/password

Return to <a href=".">main menu</a>.
Implementation-Version: 9.4.11.v20180605
url: http://www.eclipse.org/jetty
Bnd-LastModified: 1528224067666
Bundle-Classpath:  
Bundle-Copyright: Copyright (c) 2008-2018 Mort Bay Consulting Pty. Ltd

Bundle-Description: Websocket Servlet Interface
Bundle-DocURL: http://www.eclipse.org/jetty
Bundle-ManifestVersion: 2
Bundle-Name: Jetty :: Websocket :: Servlet Interface
Bundle-RequiredExecutionEnvironment: JavaSE-1.8
Bundle-SymbolicName: org.eclipse.jetty.websocket.servlet
Bundle-Vendor: Eclipse Jetty Project
Bundle-Version: 9.4.11.v20180605
Export-Package: org.eclipse.jetty.websocket.servlet;version="9.4.11"
Import-Package: javax.servlet;version="[3.1.0,4)";javax.servlet.http;version="[3.1.0,4)";org.eclipse.jetty.websocket.api;version="[9.4.11,10)";org.eclipse.jetty.websocket.api.extensions;version="[9.4.11,10)"
Originally-Created-By: Apache Maven Bundle Plugin
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-3.3.0.201609221906

No license file was found, but licenses were detected in source scan.

The Eclipse Foundation makes available all content in this plug-in ("Content"). The Content is dual licensed and is provided to you under the terms and conditions of the Eclipse Public License Version 1.0 ("EPL") as well as the Apache Software License Version 2.0. A copy of the EPL is available at <a href="http://www.eclipse.org/legal/epl-v10.html">http://www.eclipse.org/legal/epl-v10.html</a>. A copy of the ASL is available at <a href="http://www.apache.org/licenses/LICENSE-2.0.html">http://www.apache.org/licenses/LICENSE-2.0.html</a>. For purposes of the EPL, "Program" will mean the Content.</p>

Permission to use, copy, modify and distribute UnixCrypt granted provided that the copyright notice appears in all copies.</p>

No license file was found, but licenses were detected in source scan.
* /opt/cola/permits/1003218942_1607328775.61/0/test-jetty-webapp-9-4-11-v20180605-war/WEB-INF/lib/jetty-http-9-4-11-v20180605-jar/about.html
* /opt/cola/permits/1003218942_1607328775.61/0/test-jetty-webapp-9-4-11-v20180605-war/WEB-INF/lib/jetty-util-9-4-11-v20180605-jar/about.html
* /opt/cola/permits/1003218942_1607328775.61/0/test-jetty-webapp-9-4-11-v20180605-war/WEB-INF/lib/websocket-servlet-9-4-11-v20180605-jar/about.html
* /opt/cola/permits/1003218942_1607328775.61/0/test-jetty-webapp-9-4-11-v20180605-war/WEB-INF/lib/jetty-servlets-9-4-11-v20180605-jar/about.html
* /opt/cola/permits/1003218942_1607328775.61/0/test-jetty-webapp-9-4-11-v20180605-war/WEB-INF/lib/jetty-io-9-4-11-v20180605-jar/about.html

1.971 libcomps 0.1.11 2.el8

1.971.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a
notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.972 libdnet 7.70-5.el8
1.972.1 Available under license:

Copyright (c) 2000-2006 Dug Song <dugsong@monkey.org>
All rights reserved, all wrongs reversed.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above
copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials provided
with the distribution.

3. The names of the authors and copyright holders may not be used
to endorse or promote products derived from this software
without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT,
INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.973 jetty-hazelcast 9.4.11.v20180605

1.974 tomcat 8.5.63

1.974.1 Available under license:
Apache Tomcat JDBC Pool
Copyright 2008-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work” shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works” shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor” shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
that You distribute, all copyright, patent, trademark, and
attribution notices from the Source form of the Work,
excluding those notices that do not pertain to any part of
the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

APACHE TOMCAT SUBCOMPONENTS:

Apache Tomcat includes a number of subcomponents with separate copyright notices and license terms. Your use of these subcomponents is subject to the terms and conditions of the following licenses.

For the Eclipse JDT Core Batch Compiler (ecj-x.x.x.jar) component:

Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.
1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation
distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are
distributed by that particular Contributor. A Contribution 'originates' from a
Contributor if it was added to the Program by such Contributor itself or anyone
acting on such Contributor's behalf. Contributions do not include additions to
the Program which: (i) are separate modules of software distributed in
conjunction with the Program under their own license agreement, and (ii) are not
derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are
necessarily infringed by the use or sale of its Contribution alone or when
combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement,
including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants
Recipient a non-exclusive, worldwide, royalty-free copyright license to
reproduce, prepare derivative works of, publicly display, publicly perform,
distribute and sublicense the Contribution of such Contributor, if any, and such
derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants
Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed
Patents to make, use, sell, offer to sell, import and otherwise transfer the
Contribution of such Contributor, if any, in source code and object code form.
This patent license shall apply to the combination of the Contribution and the
Program if, at the time the Contribution is added by the Contributor, such
addition of the Contribution causes such combination to be covered by the
Licensed Patents. The patent license shall not apply to any other combinations
which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient’s responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

   i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

   ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

   iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

   iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.
Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor (“Commercial Contributor”) hereby agrees to defend and indemnify every other Contributor (“Indemnified Contributor”) against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of
rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published,
Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

For the Windows Installer component:

* All NSIS source code, plug-ins, documentation, examples, header files and graphics, with the exception of the compression modules and where otherwise noted, are licensed under the zlib/libpng license.
* The zlib compression module for NSIS is licensed under the zlib/libpng license.
* The bzip2 compression module for NSIS is licensed under the bzip2 license.
* The lzma compression module for NSIS is licensed under the Common Public License version 1.0.

zlib/libpng license

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

bzip2 license

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Open Source Used In CSPC_Collector 2.9.1 27024
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, Cambridge, UK.

jseward@acm.org

Common Public License version 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in
conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents " mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.
3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor (“Commercial Contributor”) hereby agrees to defend and indemnify every other Contributor (“Indemnified Contributor”) against any losses, damages
and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the
terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

Special exception for LZMA compression module
Igor Pavlov and Amir Szekely, the authors of the LZMA compression module for NSIS, expressly permit you to statically or dynamically link your code (or bind by name) to the files from the LZMA compression module for NSIS without subjecting your linked code to the terms of the Common Public license version 1.0. Any modifications or additions to files from the LZMA compression module for NSIS, however, are subject to the terms of the Common Public License version 1.0.

For the following XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.
1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to
third party intellectual property claims, the Initial Developer hereby
grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark)
Licensable by Initial Developer, to use, reproduce, modify, display,
perform, sublicense and distribute the Original Software (or
portions thereof), with or without Modifications, and/or as part of
a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of
Original Software, to make, have made, use, practice, sell, and
offer for sale, and/or otherwise dispose of the Original Software
(or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the
date Initial Developer first distributes or otherwise makes the
Original Software available to a third party under the terms of this
License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted:
(1) for code that You delete from the Original Software, or (2) for
infringements caused by: (i) the modification of the Original
Software, or (ii) the combination of the Original Software with
other software or devices.

2.2. Contributor Grant.
Conditioned upon Your compliance with Section 3.1 below and subject to third
party intellectual property claims, each Contributor hereby grants You a
world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark)
Licensable by Contributor to use, reproduce, modify, display,
perform, sublicense and distribute the Modifications created by such
Contributor (or portions thereof), either on an unmodified basis,
with other Modifications, as Covered Software and/or as part of a
Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of
Modifications made by that Contributor either alone and/or in
combination with its Contributor Version (or portions of such
combination), to make, use, sell, offer for sale, have made, and/or
otherwise dispose of: (1) Modifications made by that Contributor (or
portions thereof); and (2) the combination of Modifications made by
that Contributor with its Contributor Version (or portions of such
combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on
the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted:
  (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients. rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor
for any liability incurred by the Initial Developer or such Contributor as
a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the
terms of this License or under the terms of a license of Your choice,
which may contain terms different from this License, provided that You are
in compliance with the terms of this License and that the license for the
Executable form does not attempt to limit or alter the recipient’s rights
in the Source Code form from the rights set forth in this License. If You
distribute the Covered Software in Executable form under a different
license, You must make it absolutely clear that any terms which differ
from this License are offered by You alone, not by the Initial Developer
or Contributor. You hereby agree to indemnify the Initial Developer and
every Contributor for any liability incurred by the Initial Developer or
such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code
not governed by the terms of this License and distribute the Larger Work
as a single product. In such a case, You must make sure the requirements
of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish
revised and/or new versions of this License from time to time. Each
version will be given a distinguishing version number. Except as provided
in Section 4.3, no one other than the license steward has the right to
modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered
Software available under the terms of the version of the License under
which You originally received the Covered Software. If the Initial
Developer includes a notice in the Original Software prohibiting it from
being distributed or otherwise made available under any subsequent version
of the License, You must distribute and make the Covered Software
available under the terms of the version of the License under which You
originally received the Covered Software. Otherwise, You may also choose
to use, distribute or otherwise make the Covered Software available under
the terms of any subsequent version of the License published by the
license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for
Your Original Software, You may create and use a modified version of this
License if You: (a) rename the license and remove any references to the
name of the license steward (except to note that the license differs from
this License); and (b) otherwise make it clear that the license contains
terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT
WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT
LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS,
MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK
AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD
ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL
DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY
SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN
ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED
HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate
automatically if You fail to comply with terms herein and fail to
cure such breach within 30 days of becoming aware of the breach.
Provisions which, by their nature, must remain in effect beyond the
termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory
judgment actions) against Initial Developer or a Contributor (the
Initial Developer or Contributor against whom You assert such claim
is referred to as Participant.) alleging that the Participant
Software (meaning the Contributor Version where the Participant is a
Contributor or the Original Software where the Participant is the
Initial Developer) directly or indirectly infringes any patent, then
any and all rights granted directly or indirectly to You by such
Participant, the Initial Developer (if the Initial Developer is not
the Participant) and all Contributors under Sections 2.1 and/or 2.2
of this License shall, upon 60 days notice from Participant terminate
prospectively and automatically at the expiration of such 60 day
notice period, unless if within such 60 day period You withdraw Your
claim with respect to the Participant Software against such
Participant either unilaterally or pursuant to a written agreement
with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end
user licenses that have been validly granted by You or any
distributor hereunder prior to termination (excluding licenses
granted to You by any distributor) shall survive termination.
7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a .commercial item., as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of .commercial computer software. (as that term is defined at 48 C.F.R. ? 252.227-7014(a)(1)) and commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys. fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other
countries) when You use, distribute or otherwise make available any Covered
Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible
for claims and damages arising, directly or indirectly, out of its
utilization of rights under this License and You agree to work with Initial
Developer and Contributors to distribute such responsibility on an equitable
basis. Nothing herein is intended or shall be deemed to constitute any
admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION
LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State
of California (excluding conflict-of-law provisions). Any litigation relating
to this License shall be subject to the jurisdiction of the Federal Courts of
the Northern District of California and the state courts of the State of
California, with venue lying in Santa Clara County, California.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[[]]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

APACHE TOMCAT SUBCOMPONENTS:

Apache Tomcat includes a number of subcomponents with separate copyright notices and license terms. Your use of these subcomponents is subject to the terms and conditions of the following licenses.

For the following XML Schemas for Java EE Deployment Descriptors:
- javae_5.xsd
- javae_web_services_1_2.xsd
- javae_web_services_client_1_2.xsd
- javae_6.xsd
- javae_web_services_1_3.xsd
- javae_web_services_client_1_3.xsd
- jsp_2_2.xsd
COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the following:

   A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;
B. Any new file that contains any part of the Original Software or
previous Modification; or

C. Any new file that is contributed or otherwise made available under
the terms of this License.

1.10. Original Software. means the Source Code and Executable form of
computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter
acquired, including without limitation, method, process, and apparatus
claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in
which modifications are made and (b) associated documentation included
in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising
rights under, and complying with all of the terms of, this License. For
legal entities, .You. includes any entity which controls, is controlled
by, or is under common control with You. For purposes of this
definition, .control. means (a) the power, direct or indirect, to cause
the direction or management of such entity, whether by contract or
otherwise, or (b) ownership of more than fifty percent (50%) of the
outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to
third party intellectual property claims, the Initial Developer hereby
grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark)
    Licensable by Initial Developer, to use, reproduce, modify, display,
    perform, sublicense and distribute the Original Software (or
    portions thereof), with or without Modifications, and/or as part of
    a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of
    Original Software, to make, have made, use, practice, sell, and
    offer for sale, and/or otherwise dispose of the Original Software
    (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the
date Initial Developer first distributes or otherwise makes the
Original Software available to a third party under the terms of this
License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted:
(1) for code that You delete from the Original Software, or (2) for
infringements caused by: (i) the modification of the Original
Software, or (ii) the combination of the Original Software with
other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third
party intellectual property claims, each Contributor hereby grants You a
world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark)
Licensable by Contributor to use, reproduce, modify, display,
perform, sublicense and distribute the Modifications created by such
Contributor (or portions thereof), either on an unmodified basis,
with other Modifications, as Covered Software and/or as part of a
Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of
Modifications made by that Contributor either alone and/or in
combination with its Contributor Version (or portions of such
combination), to make, use, sell, offer for sale, have made, and/or
otherwise dispose of: (1) Modifications made by that Contributor (or
portions thereof); and (2) the combination of Modifications made by
that Contributor with its Contributor Version (or portions of such
combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on
the date Contributor first distributes or otherwise makes the
Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted:
(1) for any code that Contributor has deleted from the Contributor
Version; (2) for infringements caused by: (i) third party
modifications of Contributor Version, or (ii) the combination of
Modifications made by that Contributor with other software (except
as part of the Contributor Version) or other devices; or (3) under
Patent Claims infringed by Covered Software in the absence of
Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in
Executable form must also be made available in Source Code form and that
Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients’ rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient’s rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.
You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN .AS IS. BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.
6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.
The Covered Software is a .commercial item., as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of .commercial computer software. (as that term is defined at 48 C.F.R. ? 252.227-7014(a)(1)) and commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys, fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating
to this License shall be subject to the jurisdiction of the Federal Courts of
the Northern District of California and the state courts of the State of
California, with venue lying in Santa Clara County, California.
Apache Tomcat
Copyright 1999-@YEAR@ The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache Standard Taglib Specification API
Copyright 2001-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache Standard Taglib Implementation
Copyright 2001-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Apache Tomcat
Copyright 1999-@YEAR@ The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

The original XML Schemas for Java EE Deployment Descriptors:
- javae_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
may be obtained from:

Apache Tomcat
Copyright 1999-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (https://www.apache.org/).

This software contains code derived from netty-native
developed by the Netty project
and from finagle-native developed at Twitter

The Windows Installer is built with the Nullsoft
Scriptable Install System (NSIS), which is
open source software. The original software and
related information is available at

Java compilation software for JSP pages is provided by the Eclipse
JDT Core Batch Compiler component, which is open source software.
The original software and related information is available at
https://www.eclipse.org/jdt/core/.

For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration
The org.apache.tomcat.jni and the org.apache.tomcat.net.openssl packages
are derivative work originating from the Netty project and the finagle-native
project developed at Twitter
* Copyright 2014 The Netty Project
* Copyright 2014 Twitter

The original XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a

may be obtained from:
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License.

APACHE TOMCAT SUBCOMPONENTS:

Apache Tomcat includes a number of subcomponents with separate copyright notices and license terms. Your use of these subcomponents is subject to the terms and conditions of the following licenses.

For the ecj-x.x.x.jar component and the EnclosingMethod and
LocalVariableTypeTable classes in the org.apache.tomcat.util.bcel.classfile
package:

Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and
b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of
intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.
4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement , including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY
CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.
This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

For the Windows Installer component:

* All NSIS source code, plug-ins, documentation, examples, header files and graphics, with the exception of the compression modules and where otherwise noted, are licensed under the zlib/libpng license.
* The zlib compression module for NSIS is licensed under the zlib/libpng license.
* The bzip2 compression module for NSIS is licensed under the bzip2 license.
* The lzma compression module for NSIS is licensed under the Common Public License version 1.0.

zlib/libpng license

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

bzip2 license

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
3. Altered source versions must be plainly marked as such, and must not be
misrepresented as being the original software.
4. The name of the author may not be used to endorse or promote products
derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT
SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT
OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING
IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY
OF SUCH DAMAGE.

Julian Seward, Cambridge, UK.

jseward@acm.org
Common Public License version 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC
LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM
CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution” means:

a) in the case of the initial Contributor, the initial code and documentation
distributed under this Agreement, and b) in the case of each subsequent
Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are
distributed by that particular Contributor. A Contribution 'originates' from a
Contributor if it was added to the Program by such Contributor itself or anyone
acting on such Contributor's behalf. Contributions do not include additions to
the Program which: (i) are separate modules of software distributed in
conjunction with the Program under their own license agreement, and (ii) are not
derivative works of the Program.

"Contributor” means any person or entity that distributes the Program.

"Licensed Patents ” mean patent claims licensable by a Contributor which are
necessarily infringed by the use or sale of its Contribution alone or when
combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and
b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and
   conditions, express and implied, including warranties or conditions of title and
   non-infringement, and implied warranties or conditions of merchantability and
   fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for
    damages, including direct, indirect, special, incidental and consequential
    damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by
    that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor,
    and informs licensees how to obtain it in a reasonable manner on or through a
    medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the
Program.

Each Contributor must identify itself as the originator of its Contribution, if
any, in a manner that reasonably allows subsequent Recipients to identify the
originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with
respect to end users, business partners and the like. While this license is
intended to facilitate the commercial use of the Program, the Contributor who
includes the Program in a commercial product offering should do so in a manner
which does not create potential liability for other Contributors. Therefore, if
a Contributor includes the Program in a commercial product offering, such
Contributor (“Commercial Contributor”) hereby agrees to defend and indemnify
every other Contributor (“Indemnified Contributor”) against any losses, damages
and costs (collectively “Losses”) arising from claims, lawsuits and other legal
actions brought by a third party against the Indemnified Contributor to the
extent caused by the acts or omissions of such Commercial Contributor in
connection with its distribution of the Program in a commercial product
offering. The obligations in this section do not apply to any claims or Losses
relating to any actual or alleged intellectual property infringement. In order
to qualify, an Indemnified Contributor must: a) promptly notify the Commercial
Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient
under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

Special exception for LZMA compression module

Igor Pavlov and Amir Szekely, the authors of the LZMA compression module for NSIS, expressly permit you to statically or dynamically link your code (or bind by name) to the files from the LZMA compression module for NSIS without subjecting your linked code to the terms of the Common Public license version 1.0. Any modifications or additions to files from the LZMA compression module for NSIS, however, are subject to the terms of the Common Public License version 1.0.
For the following XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes
to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software,
prior Modifications used by a Contributor (if any), and the
Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications,
or (c) the combination of files containing Original Software with files
containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source
Code.

1.5. Initial Developer. means the individual or entity that first makes
Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions
thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent
possible, whether at the time of the initial grant or subsequently
acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the
following:

A. Any file that results from an addition to, deletion from or
modification of the contents of a file containing Original Software
or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the
date Initial Developer first distributes or otherwise makes the
Original Software available to a third party under the terms of this
License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted:
(1) for code that You delete from the Original Software, or (2) for
infringements caused by: (i) the modification of the Original
Software, or (ii) the combination of the Original Software with
other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third
party intellectual property claims, each Contributor hereby grants You a
world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark)
Licensable by Contributor to use, reproduce, modify, display,
perform, sublicense and distribute the Modifications created by such
Contributor (or portions thereof), either on an unmodified basis,
with other Modifications, as Covered Software and/or as part of a
Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of
Modifications made by that Contributor either alone and/or in
combination with its Contributor Version (or portions of such
combination), to make, use, sell, offer for sale, have made, and/or
otherwise dispose of: (1) Modifications made by that Contributor (or
portions thereof); and (2) the combination of Modifications made by
that Contributor with its Contributor Version (or portions of such
combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on
the date Contributor first distributes or otherwise makes the
Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted:
(1) for any code that Contributor has deleted from the Contributor
Version; (2) for infringements caused by: (i) third party
modifications of Contributor Version, or (ii) the combination of
Modifications made by that Contributor with other software (except
as part of the Contributor Version) or other devices; or (3) under
Patent Claims infringed by Covered Software in the absence of
Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipients rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or
such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN
ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.
8. U.S. GOVERNMENT END USERS.

The Covered Software is a .commercial item., as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of .commercial computer software. (as that term is defined at 48 C.F.R. ? 252.227-7014(a)(1)) and commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)
The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

   http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.975 xpp3-min 1.1.4c

1.976 axiom-impl 1.2.20
1.976.1 Available under license:

   Apache Axiom

   Copyright 2004-2016 The Apache Software Foundation

   This product includes software developed at
   The Apache Software Foundation (http://www.apache.org/).

   Portions Copyright 2006 International Business Machines Corp.

   This product includes unmodified, binary redistributions of software (AspectJ)
developed for the Eclipse Foundation (http://www.eclipse.org/aspectj), which
is licensed under the Eclipse Public License 1.0. Source code for this project
can be found at http://git.eclipse.org/c/aspectj/org.aspectj.git. An original
copy of the license can be found at http://eclipse.org/legal/epl-v10.html.
   Apache License
   Version 2.0, January 2004
   http://www.apache.org/licenses/

   TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

   1. Definitions.

   "License" shall mean the terms and conditions for use, reproduction,
   and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.977 datanucleus-appengine 2.1.2

1.978 servlet-api 3.1.0

1.978.1 Available under license:

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.
1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or
otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has
deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor
Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the
Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of
Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in Executable form must also be made
available in Source Code form and that Source Code form must be distributed only under the terms of this License.
You must include a copy of this License with every copy of the Source Code form of the Covered Software You
distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable
form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a
medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You
represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to
grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the
Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered
Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial
Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the
applicable version of this License or the recipients. rights hereunder. You may choose to offer, and to charge a fee
for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However,
you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must
make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone,
and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the
Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the
terms of a license of Your choice, which may contain terms different from this License, provided that You are in
compliance with the terms of this License and that the license for the Executable form does not attempt to limit or
alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the
Covered Software in Executable form under a different license, You must make it absolutely clear that any terms
which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby
agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or
such Contributor as a result of any such terms You offer.
You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN AS IS, BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant,) alleging that the Participant Software (meaning the Contributor Version where the Participant is a
Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a .commercial item., as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of .commercial computer software. (as that term is defined at 48 C.F.R. ? 252.227-7014(a)(1)) and .commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction.s conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys. fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this
License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show
them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this
c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License
which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Sun Microsystems, Inc. are subject to the following clarification and special exception to the GPL Version 2, but only where Sun has expressly included in the particular source file's header the words

"Sun designates this particular file as subject to the "Classpath" exception as provided by Sun in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent
modules to produce an executable, regardless of the license terms of these independent modules, and to copy and
distribute the resulting executable under terms of your choice, provided that you also meet, for each linked
independent module, the terms and conditions of the license of that module.? An independent module is a module
which is not derived from or based on this library.? If you modify this library, you may extend this exception to your
version of the library, but you are not obligated to do so.? If you do not wish to do so, delete this exception statement from your version.

1.979 jetty-continuation 9.4.7.v20170914

1.980 crypto-policies 20190807

1.git9b1477b.el8

1.980.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get

Open Source Used In CSPC_Collector 2.9.1  27097
it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with
We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.
This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for 
reproducing the executable from it. However, as a special exception, 
the materials to be distributed need not include anything that is 
normally distributed (in either source or binary form) with the major 
components (compiler, kernel, and so on) of the operating system on 
which the executable runs, unless that component itself accompanies 
the executable.

It may happen that this requirement contradicts the license 
restrictions of other proprietary libraries that do not normally 
accompany the operating system. Such a contradiction means you cannot 
use both them and the Library together in an executable that you 
distribute.

7. You may place library facilities that are a work based on the 
Library side-by-side in a single library together with other library 
facilities not covered by this License, and distribute such a combined 
library, provided that the separate distribution of the work based on 
the Library and of the other library facilities is otherwise 
permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work 
based on the Library, uncombined with any other library 
facilities. This must be distributed under the terms of the 
Sections above.

   b) Give prominent notice with the combined library of the fact 
that part of it is a work based on the Library, and explaining 
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute 
the Library except as expressly provided under this License. Any 
attempt otherwise to copy, modify, sublicense, link with, or 
distribute the Library is void, and will automatically terminate your 
rights under this License. However, parties who have received copies, 
or rights, from you under this License will not have their licenses 
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not 
signed it. However, nothing else grants you permission to modify or 
distribute the Library or its derivative works. These actions are 
prohibited by law if you do not accept this License. Therefore, by 
modifying or distributing the Library (or any work based on the 
Library), you indicate your acceptance of this License to do so, and 
all its terms and conditions for copying, distributing or modifying 
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time.
Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This file is intended to be included within another document, hence no sectioning command or @node.

@uref{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
@end display

@enumerate 0
@item

PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document @dfn{free} in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of ``copyleft'', which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The ``Document'', below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as ``you''. You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.
A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and
JPG®. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.
COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

State on the Title page the name of the publisher of the Modified Version, as the publisher.

Preserve all the copyright notices of the Document.

Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

Include an unaltered copy of this License.

Preserve the section Entitled ``History'', Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled ``History'' in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled ``Acknowledgements'' or ``Dedications'', Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled ``Endorsements''. Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled ``Endorsements'' or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or
through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled ``History'' in the various original documents, forming one section Entitled ``History''; likewise combine any sections Entitled ``Acknowledgements'', and any sections Entitled ``Dedications''. You must delete all sections Entitled ``Endorsements."

@item
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and
will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RELICENSING

"Massive Multiauthor Collaboration Site" (or "MMC Site") means any
World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A "Massive Multiauthor Collaboration" (or "MMC") contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA'' means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate'' means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is `"eligible for relicensing" if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page
@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled ``GNU Free Documentation License''.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts,
replace the ```"with@dots{}Texts."``` line with this:

```verbatim
@smallexample
@group
  with the Invariant Sections being @var{list their titles}, with
  the Front-Cover Texts being @var{list}, and with the Back-Cover Texts
  being @var{list}.
@end group
@end smallexample
```

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@c Local Variables:
c ispell-local-pdict: "ispell-dict"
c End:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.
When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the
entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with
the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages
are the reason we use the ordinary General Public License for many
libraries. However, the Lesser license provides advantages in certain
special circumstances.

For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it becomes
a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this
case, there is little to gain by limiting the free library to free
software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free
programs enables a greater number of people to use a large body of
free software. For example, permission to use the GNU C Library in
non-free programs enables many more people to use the whole GNU
operating system, as well as its variant, the GNU/Linux operating
system.

Although the Lesser General Public License is Less protective of the
users' freedom, it does ensure that the user of a program that is
linked with the Library has the freedom and the wherewithal to run
that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and
modification follow. Pay close attention to the difference between a
"work based on the library" and a "work that uses the library". The
former contains code derived from the library, whereas the latter must
be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other
program which contains a notice placed by the copyright holder or
other authorized party saying it may be distributed under the terms of
this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".
A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of

Open Source Used In CSPC_Collector 2.9.1 27129
protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through
a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding
The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.
6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.
A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for
7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further
restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of
Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that
contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's
public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.
1.982 jmespath-java 1.11.277
1.982.1 Available under license:
No license file was found, but licenses were detected in source scan.

{name>Apache License, Version 2.0</name>

Found in path(s):
* /opt/cola/permits/1137994034_1614192657.9/0/jmespath-java-1-11-277-jar/META-INF/maven/com.amazonaws/jmespath-java/pom.xml

1.983 python-bcrypt 3.1.6-2.el8.1
1.983.1 Available under license:
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.
5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of Your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS
APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License.

1.984 mingw-expat 2.2.4-3.el8
1.984.1 Available under license:

Copyright (c) 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper
Copyright (c) 2001-2017 Expat maintainers

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY
CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.985 jetty-jndi 9.4.11.v20180605

1.986 expat 2.2.5 4.el8
1.986.1 Available under license:
Copyright (c) 1998-2000 Thai Open Source Software Center Ltd and Clark Cooper
Copyright (c) 2001-2017 Expat maintainers

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.987 auto-service 1.0-rc4
1.987.1 Available under license:
No license file was found, but licenses were detected in source scan.

/ *
* Copyright (C) 2008 Google, Inc.
* *
* Licensed under the Apache License, Version 2.0 (the "License"); *
* you may not use this file except in compliance with the License. *
* You may obtain a copy of the License at *
* *
* http://www.apache.org/licenses/LICENSE-2.0
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1111308625_1606898564.96/0/auto-service-1-0-rc4-sources-1-
  jar/com/google/auto/service/processor/AutoServiceProcessor.java
* /opt/cola/permits/1111308625_1606898564.96/0/auto-service-1-0-rc4-sources-1-
  jar/com/google/auto/service/AutoService.java
* /opt/cola/permits/1111308625_1606898564.96/0/auto-service-1-0-rc4-sources-1-
  jar/com/google/auto/service/processor/ServicesFiles.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright (C) 2013 Google, Inc.
* Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except
* in compliance with the License. You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software distributed under the License
* is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
* express
* or implied. See the License for the specific language governing permissions and limitations under
* the License.
*/

Found in path(s):
* /opt/cola/permits/1111308625_1606898564.96/0/auto-service-1-0-rc4-sources-1-
  jar/com/google/auto/service/processor/package-info.java

1.988 python-dateutil 2.6.1-1.ph1

1.988.1 Available under license:
dateutil - Extensions to the standard Python datetime module.

Copyright (c) 2003-2011 - Gustavo Niemeyer <gustavo@niemeyer.net>
Copyright (c) 2012-2014 - Tomi Pievilinen <tomii.pievilainen@iki.fi>
Copyright (c) 2014-2016 - Yaron de Leeuw <me@jarondl.net>
Copyright (c) 2015-     - Paul Ganssle <paul@ganssle.io>

All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.989 kahadb 5.7.0
1.989.1 Available under license :

   Apache License
   Version 2.0, January 2004
   http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.990 datanucleus-core 3.1.3

1.990.1 Available under license:

========================================================================= == NOTICE file corresponding to section 4(d) of the Apache License, == == Version 2.0, in this case for the DataNucleus distribution. ===========================================================================
This product includes software developed by many individuals, including the following:

Erik Bengtson
Andy Jefferson

This product has included contributions from some individuals, including the following:

Joerg von Frantzius
Thomas Marti
Barry Haddow
Marco Schulze
Ralph Ullrich
David Ezzio
Brendan de Beer
David Eaves
Martin Taal
Tony Lai
Roland Szabo
Marcus Mennemeier
Xuan Baldauf
Eric Sultan

This product also includes software developed by the TJDO project (http://tjdo.sourceforge.net/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

   (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

Copyright 2008-2008 DataNucleus

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.991 datatype 1.3.04

1.991.1 Available under license :

xml-commons/java/external/README.dom.txt $Id: README.dom.txt 477038 2006-11-20 04:40:36Z mrglavas $

HEAR YE, HEAR YE!

All of the .java software and associated documentation about the DOM in this repository are distributed under the license from the W3C, which is provided herein.

LICENSE.dom-software.txt covers all software from the W3C
including the following items in the xml-commons project:

    xml-commons/java/external/src/org/w3c
    and all subdirectories

(Note: SAC (The Simple API for CSS) has been published under an older version of the W3C license. The original license file is LICENSE.sac.html.)

LICENSE.dom-documentation.txt covers all documentation from the W3C including the following items in the xml-commons project:

    xml-commons/java/external/xdocs/dom
    and all subdirectories

The actual DOM Java Language Binding classes in xml-commons came from:
http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/java-binding.html

The specification of DOM Level 3’s various parts is at:
http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/
http://www.w3.org/TR/2004/REC-DOM-Level-3-LS-20040407/
http://www.w3.org/TR/2004/NOTE-DOM-Level-3-XPath-20040226/

The specification of DOM Level 2’s various parts is at:
http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Style-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Traversal-Range-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Views-20001113/

The specification of DOM Level 1’s various parts is at:

Links to all available W3C DOM Java Bindings can be found at:
http://www.w3.org/DOM/DOMTR

The actual classes of The Simple API for CSS (SAC) came from:
http://www.w3.org/Style/CSS/SAC/
http://www.w3.org/2002/06/sacjava-1.3.zip

The actual DOM Java Language Binding classes for SMIL came from:
http://dev.w3.org/cvsweb/java/classes/org/w3c/dom/smil/
(both ElementTimeControl.java and TimeEvent.java were taken at revision 1.1)

The actual DOM Java Language Binding classes for SVG 1.1 came from:
http://www.w3.org/TR/SVG11/java.html

HEAR YE, HEAR YE!
All of the .java software and associated documentation about SAX in this repository are distributed freely in the public domain.

LICENSE.sax.txt covers all software and documentation from the megginsong.com including the following in the xml-commons project:

xml-commons/java/external/src/org/xml/sax
   and all subdirectories
xml-commons/java/external/xdocs/sax
   and all subdirectories

The actual SAX classes in xml-commons came from:
http://www.megginson.com/Software/index.html
The original versions are tagged 'SAX-2_0-r2-prerelease'

========================================================================
==  NOTICE file corresponding to section 4(d) of the Apache License,   ==
==  Version 2.0, in this case for the Apache xml-commons xml-apis      ==
==  distribution.                                                      ==
========================================================================

Apache XML Commons XML APIs
Copyright 2006 The Apache Software Foundation.

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions of this software were originally based on the following:
- software copyright (c) 2000 World Wide Web Consortium, http://www.w3.org

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."
"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

This license came from: http://www.w3.org/Consortium/Legal/copyright-software-20021231

W3C SOFTWARE NOTICE AND LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231

This work (and included software, documentation such as READMEs, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions.

Permission to copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications:

1. The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.
2. Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, the W3C Software Short Notice should be included (hypertext is preferred, text is permitted) within the body of any redistributed or derivative code.
3. Notice of any changes or modifications to the files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

________________________________________________________________________

This formulation of W3C's notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of
the license, and removes the ambiguous grant of "use". Otherwise, this version is the same as the previous version and is written so as to preserve the Free Software Foundation's assessment of GPL compatibility and OSI's certification under the Open Source Definition. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <site-policy@w3.org>

Last revised by Reagle $Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) $
This license came from: http://www.w3.org/Consortium/Legal/copyright-documents-20021231

W3C DOCUMENT LICENSE
http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231

Public documents on the W3C site are provided by the copyright holders under the following license. By using and/or copying this document, or the W3C document from which this statement is linked, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions:

Permission to copy, and distribute the contents of this document, or the W3C document from which this statement is linked, in any medium for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the document, or portions thereof, that you use:

1. A link or URL to the original W3C document.
2. The pre-existing copyright notice of the original author, or if it doesn't exist, a notice (hypertext is preferred, but a textual representation is permitted) of the form: "Copyright [date-of-document] World Wide Web Consortium, (Massachusetts Institute of Technology, European Research Consortium for Informatics and Mathematics, Keio University). All Rights Reserved. http://www.w3.org/Consortium/Legal/2002/copyright-documents-20021231"
3. If it exists, the STATUS of the W3C document.

When space permits, inclusion of the full text of this NOTICE should be provided. We request that authorship attribution be provided in any software, documents, or other items or products that you create pursuant to the implementation of the contents of this document, or any portion thereof.

No right to create modifications or derivatives of W3C documents is granted pursuant to this license. However, if additional requirements (documented in the Copyright FAQ) are satisfied, the right to create modifications or derivatives is sometimes granted by the W3C to individuals complying with those requirements.

THIS DOCUMENT IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR TITLE; THAT THE CONTENTS OF THE DOCUMENT ARE SUITABLE FOR ANY PURPOSE; NOR THAT THE IMPLEMENTATION OF SUCH CONTENTS WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.
COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE DOCUMENT OR THE PERFORMANCE OR IMPLEMENTATION OF THE CONTENTS THEREOF.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to this document or its contents without specific, written prior permission. Title to copyright in this document will at all times remain with copyright holders.

-----------------------------------------------------------------------------

This formulation of W3C’s notice and license became active on December 31 2002. This version removes the copyright ownership notice such that this license can be used with materials other than those owned by the W3C, moves information on style sheets, DTDs, and schemas to the Copyright FAQ, reflects that ERCIM is now a host of the W3C, includes references to this specific dated version of the license, and removes the ambiguous grant of “use”. See the older formulation for the policy prior to this date. Please see our Copyright FAQ for common questions about using materials from our site, such as the translating or annotating specifications. Other questions about this notice can be directed to site-policy@w3.org.

Joseph Reagle <site-policy@w3.org>

Last revised by Reagle $Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) $  

This license came from: http://www.megginson.com/SAX/copying.html  
However please note future versions of SAX may be covered under http://saxproject.org/?selected=pd

This page is now out of date -- see the new SAX site at http://www.saxproject.org/ for more up-to-date releases and other information. Please change your bookmarks.

SAX2 is Free!

I hereby abandon any property rights to SAX 2.0 (the Simple API for XML), and release all of the SAX 2.0 source code, compiled code, and documentation contained in this distribution into the Public Domain. SAX comes with NO WARRANTY or guarantee of fitness for any purpose.

David Megginson, david@megginson.com
1.992 gettext 0.19.8.1 17.el8

1.992.1 Available under license:

The libasprintf package is under the LGPL, see file COPYING.LIB. This subpackage is under the GPL, see file COPYING in the toplevel directory.
@ The GNU Lesser General Public License.
@ Version 2.1, February 1999

@ This file is intended to be included within another document,
@ hence no sectioning command or @node.

@display
Copyright @copyright{} 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence the
version number 2.1.]
@end display

@subheading Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software---to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software---typically libraries---of the Free
Software Foundation and other authors who decide to use it. You can use
it too, but we suggest you first think carefully about whether this
license or the ordinary General Public License is the better strategy to
use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of it
in new free programs; and that you are informed that you can do these
things.
To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author’s reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the [Lesser] General Public License because it does [Less] to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

@subheading TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
@enumerate 0
@item
This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term ""modification".)

``Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

@item
You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

@item
You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

@enumerate a
@item
The modified work must itself be a software library.

@item
You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

@item
You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

@item
If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
@end enumerate

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

@item
You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

@item
You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

@item
A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a ``work that uses the Library''. Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a ``work that uses the Library'' with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a ``work that uses the library''. The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a ``work that uses the Library'' uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

As an exception to the Sections above, you may also combine or link a `work that uses the Library` with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable `work that uses the Library`, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

@item
If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

@item
Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
@end enumerate

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

@item
You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

@enumerate
@item
Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

@item
Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.
@end enumerate

@item
You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

@item
You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

@item
Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

@item
If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
NO WARRANTY}

@item
BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY ``AS IS'' WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

@item
IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

@end enumerate

@end subheading

@end page

@end subheading How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
``copyright'' line and a pointer to where the full notice is found.

@smallexample
@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year} @var{name of author}

This library is free software; you can redistribute it and/or modify it
under the terms of the GNU Lesser General Public License as published by
the Free Software Foundation; either version 2.1 of the License, or (at
your option) any later version.

This library is distributed in the hope that it will be useful, but
WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301,
USA.
@end smallexample

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a ``copyright disclaimer'' for the library, if
necessary. Here is a sample; alter the names:

@smallexample
Yoyodyne, Inc., hereby disclaims all copyright interest in the library
`Frob' (a library for tweaking knobs) written by James Random Hacker.

@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample

That's all there is to it!
@end c
@end center

@center Version 2, June 1991
@end display

@heading Preamble
The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

@heading TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@enumerate 0
This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

@end enumerate

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

@item
You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

@enumerate a
@item
Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

@item
Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

@item
Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
@end enumerate

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

@item
You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

@item
You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

@item
If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

@item
If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

@item
The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and ``any later version'', you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

@item
If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

@item
BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM ``AS IS'' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

@item
IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.
@end enumerate

@end iftex
@end heading END OF TERMS AND CONDITIONS
@end iftex
@end info
@end center END OF TERMS AND CONDITIONS
@end info

@end page
@end heading Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the ``copyright'' line and a pointer to where the full notice is found.

@example
@example
@var{one line to give the program's name and a brief idea of what it does.}
@example
@example
Copyright (C) @var{yyyy}  @var{name of author}
@example
@example
This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.
@example
@example
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.
@example
@example
You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
@example
@example
Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

@smallexample
Gnomovision version 69, Copyright (C) @var{year} @var{name of author}
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
@end smallexample

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than @samp{show w} and @samp{show c}; they could even be mouse-clicks or menu items---whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a ``copyright disclaimer'' for the program, if necessary. Here is a sample; alter the names:

@example
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

This is the file "copying.dj". It does NOT apply to any sources or binaries copyrighted by UCB Berkeley, the Free Software Foundation, or any other agency besides DJ Delorie and others who have agreed to allow their sources to be distributed under these terms.

Copyright Information for sources and executables that are marked
Copyright (C) DJ Delorie
    7 Kim Lane
    Rochester NH  03867-2954

This document is Copyright (C) DJ Delorie and may be distributed verbatim, but changing it is not allowed.

Source code copyright DJ Delorie is distributed under the terms of the
GNU General Public Licence, with the following exceptions:

* Sources used to build crt0.o, gcrt0.o, libc.a, libdbg.a, and libemu.a are distributed under the terms of the GNU Library General Public License, rather than the GNU GPL.

* Any existing copyright or authorship information in any given source file must remain intact. If you modify a source file, a notice to that effect must be added to the authorship information in the source file.

* Runtime binaries, as provided by DJ in DJGPP, may be distributed without sources ONLY if the recipient is given sufficient information to obtain a copy of djgpp themselves. This primarily applies to go32-v2.exe, emu387.dxe, and stubedit.exe.

* Runtime objects and libraries, as provided by DJ in DJGPP, when linked into an application, may be distributed without sources ONLY if the recipient is given sufficient information to obtain a copy of djgpp themselves. This primarily applies to crt0.o and libc.a.

-----

Changes to source code copyright BSD, FSF, or others, by DJ Delorie fall under the terms of the original copyright. Such files usually have multiple copyright notices in them.

A copy of the files "COPYING" and "COPYING.LIB" are included with this document. If you did not receive a copy of these files, you may obtain one from whence this document was obtained, or by writing:

Free Software Foundation
51 Franklin Street, Fifth Floor
Boston, MA 02110-1301
USA

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of
software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited
permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.
5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium
customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately
under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you
must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.
Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to
sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.
There is no warranty for the program, to the extent permitted by applicable law. Except when otherwise stated in writing the copyright holders and/or other parties provide the program "as is" without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The entire risk as to the quality and performance of the program is with you. Should the program prove defective, you assume the cost of all necessary servicing, repair or correction.

16. Limitation of Liability.

In no event unless required by applicable law or agreed to in writing will any copyright holder, or any other party who modifies and/or conveys the program as permitted above, be liable to you for damages, including any general, special, incidental or consequential damages arising out of the use or inability to use the program (including but not limited to loss of data or data being rendered inaccurate or losses sustained by you or third parties or a failure of the program to operate with any other programs), even if such holder or other party has been advised of the possibility of such damages.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program.  If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License.  Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs.  If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library.  If this is what you want to do, use the GNU Lesser General
Public License instead of this License.  But first, please read

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

^L
Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is
linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the
library”. The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library” uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library” with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

^L

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>

Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.
You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
The gettext-runtime package is partially under the LGPL and partially under the GPL.

The following parts are under the LGPL, see file intl/COPYING.LIB:
- the libintl and libasprintf libraries and their header files,
- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
- the gettext.sh shells script function library.

The following parts are under the GPL, see file COPYING in the toplevel directory:
- the _programs_gettext, ngettext, envsubst,
- the documentation.
Except where otherwise noted in the source code (e.g. the files hash.c, list.c and the trio files, which are covered by a similar licence but with different Copyright notices) all the files are:

Copyright (C) 1998-2012 Daniel Veillard. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

@c The GNU Free Documentation License.
@center Version 1.2, November 2002

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

@display
Copyright @copyright{} 2000,2001,2002 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
@end display

@enumerate 0
@item
PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document @dfn{free} in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of ``copyleft'', which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.
APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or
for automatic translation to a variety of formats suitable for input
to text formatters. A copy made in an otherwise Transparent file
format whose markup, or absence of markup, has been arranged to thwart
or discourage subsequent modification by readers is not Transparent.
An image format is not Transparent if used for any substantial amount
of text. A copy that is not ``Transparent'' is called ``Opaque''.

Examples of suitable formats for Transparent copies include plain
@sc{ascii} without markup, Texinfo input format, La@TeX{ } input
format, @acronym{SGML} or @acronym{XML} using a publicly available
@acronym{DTD}, and standard-conforming simple @acronym{HTML},
PostScript or @acronym{PDF} designed for human modification. Examples
of transparent image formats include @acronym{PNG}, @acronym{XCF} and
@acronym{JPG}. Opaque formats include proprietary formats that can be
read and edited only by proprietary word processors, @acronym{SGML} or
@acronym{XML} for which the @acronym{DTD} and/or processing tools are
not generally available, and the machine-generated @acronym{HTML},
PostScript or @acronym{PDF} produced by some word processors for
output purposes only.

The ``Title Page'' means, for a printed book, the title page itself,
plus such following pages as are needed to hold, legibly, the material
this License requires to appear in the title page. For works in
formats which do not have any title page as such, ``Title Page'' means
the text near the most prominent appearance of the work's title,
preceding the beginning of the body of the text.

A section ``Entitled XYZ'' means a named subunit of the Document whose
title either is precisely XYZ or contains XYZ in parentheses following
text that translates XYZ in another language. (Here XYZ stands for a
specific section name mentioned below, such as ``Acknowledgements'',
``Dedications'', ``Endorsements'', or ``History''.) To ``Preserve the Title''
of such a section when you modify the Document means that it remains a
section ``Entitled XYZ'' according to this definition.

The Document may include Warranty Disclaimers next to the notice which
states that this License applies to the Document. These Warranty
Disclaimers are considered to be included by reference in this
License, but only as regards disclaiming warranties; any other
implication that these Warranty Disclaimers may have is void and has
no effect on the meaning of this License.

@item
VERBATIM COPYING

You may copy and distribute the Document in any medium, either
commercially or noncommercially, provided that this License, the
copyright notices, and the license notice saying this License applies
to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item

COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.
@item

MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate A
@item
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.
Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.
You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item

COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item

COLLECTIONS OF DOCUMENTS
You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item
TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", 

Open Source Used In CSPC_Collector 2.9.1 27225
``Dedications'', or ``History'', the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item

TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided for under this License. Any other attempt to copy, modify, sublicense or distribute the Document is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

@item

FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License ``or any later version'' applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation.

@end enumerate

@page
@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.2 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover
Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with@dots{}Texts." line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@c Local Variables:
c ispell-local-pdict: "ispell-dict"
c End:

1.993 jetty-jaas 9.4.11.v20180605

1.994 gawk 4.2.1 1.el8
1.994.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide...
a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be
Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user’s freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the
users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the
library”. The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.
To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system.
(if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.
3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

C) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no
permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an “aggregate” if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright
holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation
(including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for
sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a
covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.
14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year>  <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w` and `show c` should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
* Neither the name of the <ORGANIZATION> nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU LIBRARY GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries
If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
1. General; Definitions. This License applies to any program or other work which Apple Computer, Inc. (“Apple”) publicly announces as subject to this Apple Public Source License and which contains a notice placed by Apple identifying such program or work as "Original Code" and stating that it is subject to the terms of this Apple Public Source License version 1.1 (or subsequent version thereof), as it may be revised from time to time by Apple ("License"). As used in this License:

1.1 "Affected Original Code" means only those specific portions of Original Code that allegedly infringe upon any party's intellectual property rights or are otherwise the subject of a claim of infringement.

1.2 "Applicable Patent Rights" mean: (a) in the case where Apple is the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to Apple and (ii) that cover subject matter contained in the Original Code, but only to the extent necessary to use, reproduce and/or distribute the Original Code without infringement; and (b) in the case where You are the grantor of rights, (i) claims of patents that are now or hereafter acquired, owned by or assigned to You and (ii) that cover subject matter in Your Modifications, taken alone or in combination with Original Code.

1.3 "Covered Code" means the Original Code, Modifications, the combination of Original Code and any Modifications, and/or any respective portions thereof.

1.4 "Deploy" means to use, sublicense or distribute Covered Code other than for Your internal research and development (R&D), and includes without limitation, any and all internal use or distribution of Covered Code within Your business or organization except for R&D use, as well as direct or indirect sublicensing or distribution of Covered Code by You to any third party in any form or manner.

1.5 "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.6 "Modifications" mean any addition to, deletion from, and/or change
to, the substance and/or structure of Covered Code. When code is released as a series of files, a Modification is: (a) any addition to or deletion from the contents of a file containing Covered Code; and/or (b) any new file or other representation of computer program statements that contains any part of Covered Code.

1.7 "Original Code" means (a) the Source Code of a program or other work as originally made available by Apple under this License, including the Source Code of any updates or upgrades to such programs or works made available by Apple under this License, and that has been expressly identified by Apple as such in the header file(s) of such work; and (b) the object code compiled from such Source Code and originally made available by Apple under this License.

1.8 "Source Code" means the human readable form of a program or other work that is suitable for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an executable (object code).

1.9 "You" or "Your" means an individual or a legal entity exercising rights under this License. For legal entities, "You" or "Your" includes any entity which controls, is controlled by, or is under common control with, You, where "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

2. Permitted Uses; Conditions & Restrictions. Subject to the terms and conditions of this License, Apple hereby grants You, effective on the date You accept this License and download the Original Code, a world-wide, royalty-free, non-exclusive license, to the extent of Apple's Applicable Patent Rights and copyrights covering the Original Code, to do the following:

2.1 You may use, copy, modify and distribute Original Code, with or without Modifications, solely for Your internal research and development, provided that You must in each instance:

(a) retain and reproduce in all copies of Original Code the copyright and other proprietary notices and disclaimers of Apple as they appear in the Original Code, and keep intact all notices in the Original Code that refer to this License;

(b) include a copy of this License with every copy of Source Code of Covered Code and documentation You distribute, and You may not offer or impose any terms on such Source Code that alter or restrict this
License or the recipients' rights hereunder, except as permitted under Section 6; and

(c) completely and accurately document all Modifications that you have made and the date of each such Modification, designate the version of the Original Code you used, prominently include a file carrying such information with the Modifications, and duplicate the notice in Exhibit A in each file of the Source Code of all such Modifications.

2.2 You may Deploy Covered Code, provided that You must in each instance:

(a) satisfy all the conditions of Section 2.1 with respect to the Source Code of the Covered Code;

(b) make all Your Deployed Modifications publicly available in Source Code form via electronic distribution (e.g. download from a web site) under the terms of this License and subject to the license grants set forth in Section 3 below, and any additional terms You may choose to offer under Section 6. You must continue to make the Source Code of Your Deployed Modifications available for as long as you Deploy the Covered Code or twelve (12) months from the date of initial Deployment, whichever is longer;

(c) if You Deploy Covered Code containing Modifications made by You, inform others of how to obtain those Modifications by filling out and submitting the information found at http://www.apple.com/publicsource/modifications.html, if available; and

(d) if You Deploy Covered Code in object code, executable form only, include a prominent notice, in the code itself as well as in related documentation, stating that Source Code of the Covered Code is available under the terms of this License with information on how and where to obtain such Source Code.

3. Your Grants. In consideration of, and as a condition to, the licenses granted to You under this License:

(a) You hereby grant to Apple and all third parties a non-exclusive, royalty-free license, under Your Applicable Patent Rights and other intellectual property rights owned or controlled by You, to use, reproduce, modify, distribute and Deploy Your Modifications of the same scope and extent as Apple's licenses under Sections 2.1 and 2.2; and

(b) You hereby grant to Apple and its subsidiaries a non-exclusive, worldwide, royalty-free, perpetual and irrevocable license, under Your
Applicable Patent Rights and other intellectual property rights owned or controlled by You, to use, reproduce, execute, compile, display, perform, modify or have modified (for Apple and/or its subsidiaries), sublicense and distribute Your Modifications, in any form, through multiple tiers of distribution.

4. Larger Works. You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In each such instance, You must make sure the requirements of this License are fulfilled for the Covered Code or any portion thereof.

5. Limitations on Patent License. Except as expressly stated in Section 2, no other patent rights, express or implied, are granted by Apple herein. Modifications and/or Larger Works may require additional patent licenses from Apple which Apple may grant in its sole discretion.

6. Additional Terms. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations and/or other rights consistent with the scope of the license granted herein ("Additional Terms") to one or more recipients of Covered Code. However, You may do so only on Your own behalf and as Your sole responsibility, and not on behalf of Apple. You must obtain the recipient's agreement that any such Additional Terms are offered by You alone, and You hereby agree to indemnify, defend and hold Apple harmless for any liability incurred by or claims asserted against Apple by reason of any such Additional Terms.

7. Versions of the License. Apple may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Once Original Code has been published under a particular version of this License, You may continue to use it under the terms of that version. You may also choose to use such Original Code under the terms of any subsequent version of this License published by Apple. No one other than Apple has the right to modify the terms applicable to Covered Code created under this License.

8. NO WARRANTY OR SUPPORT. The Original Code may contain in whole or in part pre-release, untested, or not fully tested works. The Original Code may contain errors that could cause failures or loss of data, and may be incomplete or contain inaccuracies. You expressly acknowledge and agree that use of the Original Code, or any portion thereof, is at Your sole and entire risk. THE ORIGINAL CODE IS PROVIDED "AS IS" AND WITHOUT WARRANTY, UPGRADES OR SUPPORT OF ANY KIND AND APPLE AND APPLE'S LICENSOR(S) (FOR THE PURPOSES OF SECTIONS 8 AND 9, APPLE AND APPLE'S LICENSOR(S) ARE COLLECTIVELY REFERRED TO AS
"APPLE") EXPRESSLY DISCLAIM ALL WARRANTIES AND/OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES AND/OR CONDITIONS OF MERCHANTABILITY OR SATISFACTORY QUALITY AND FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. APPLE DOES NOT WARRANT THAT THE FUNCTIONS CONTAINED IN THE ORIGINAL CODE WILL MEET YOUR REQUIREMENTS, OR THAT THE OPERATION OF THE ORIGINAL CODE WILL BE UNINTERRUPTED OR ERROR- FREE, OR THAT DEFECTS IN THE ORIGINAL CODE WILL BE CORRECTED. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY APPLE OR AN APPLE AUTHORIZED REPRESENTATIVE SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY. You acknowledge that the Original Code is not intended for use in the operation of nuclear facilities, aircraft navigation, communication systems, or air traffic control machines in which case the failure of the Original Code could lead to death, personal injury, or severe physical or environmental damage.

9. Liability.

9.1 Infringement. If any portion of, or functionality implemented by, the Original Code becomes the subject of a claim of infringement, Apple may, at its option: (a) attempt to procure the rights necessary for Apple and You to continue using the Affected Original Code; (b) modify the Affected Original Code so that it is no longer infringing; or (c) suspend Your rights to use, reproduce, modify, sublicense and distribute the Affected Original Code until a final determination of the claim is made by a court or governmental administrative agency of competent jurisdiction and Apple lifts the suspension as set forth below. Such suspension of rights will be effective immediately upon Apple’s posting of a notice to such effect on the Apple web site that is used for implementation of this License. Upon such final determination being made, if Apple is legally able, without the payment of a fee or royalty, to resume use, reproduction, modification, sublicensing and distribution of the Affected Original Code, Apple will lift the suspension of rights to the Affected Original Code by posting a notice to such effect on the Apple web site that is used for implementation of this License. If Apple suspends Your rights to Affected Original Code, nothing in this License shall be construed to restrict You, at Your option and subject to applicable law, from replacing the Affected Original Code with non-infringing code or independently negotiating for necessary rights from such third party.

9.2 LIMITATION OF LIABILITY. UNDER NO CIRCUMSTANCES SHALL APPLE BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR RELATING TO THIS LICENSE OR YOUR USE OR INABILITY TO USE THE ORIGINAL CODE, OR ANY PORTION THEREOF, WHETHER UNDER A THEORY OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), PRODUCTS LIABILITY OR OTHERWISE, EVEN IF APPLE HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY. In no event shall Apple's total liability to You for all damages under this License exceed the amount of fifty dollars ($50.00).

10. Trademarks. This License does not grant any rights to use the trademarks or trade names "Apple", "Apple Computer", "Mac OS X", "Mac OS X Server" or any other trademarks or trade names belonging to Apple (collectively "Apple Marks") and no Apple Marks may be used to endorse or promote products derived from the Original Code other than as permitted by and in strict compliance at all times with Apple's third party trademark usage guidelines which are posted at http://www.apple.com/legal/guidelinesfor3rdparties.html.

11. Ownership. Apple retains all rights, title and interest in and to the Original Code and any Modifications made by or on behalf of Apple ("Apple Modifications"), and such Apple Modifications will not be automatically subject to this License. Apple may, at its sole discretion, choose to license such Apple Modifications under this License, or on different terms from those contained in this License or may choose not to license them at all. Apple's development, use, reproduction, modification, sublicensing and distribution of Covered Code will not be subject to this License.

12. Termination.

12.1 Termination. This License and the rights granted hereunder will terminate:

(a) automatically without notice from Apple if You fail to comply with any term(s) of this License and fail to cure such breach within 30 days of becoming aware of such breach; (b) immediately in the event of the circumstances described in Section 13.5(b); or (c) automatically without notice from Apple if You, at any time during the term of this License, commence an action for patent infringement against Apple.

12.2 Effect of Termination. Upon termination, You agree to immediately stop any further use, reproduction, modification, sublicensing and distribution of the Covered Code and to destroy all copies of the Covered Code that are in your possession or control. All sublicenses to the Covered Code which have been properly granted prior to termination shall survive any termination of this License. Provisions which, by their nature, should remain in effect beyond the termination of this License shall survive, including but not limited to Sections 3, 5, 8, 9, 10, 11, 12.2 and 13. Neither party will be liable to the other for compensation, indemnity or damages of any sort solely as a result of terminating this License in accordance with its terms, and termination of this License will be without prejudice to
any other right or remedy of either party.


13.1 Government End Users. The Covered Code is a "commercial item" as defined in FAR 2.101. Government software and technical data rights in the Covered Code include only those rights customarily provided to the public as defined in this License. This customary commercial license in technical data and software is provided in accordance with FAR 12.211 (Technical Data) and 12.212 (Computer Software) and, for Department of Defense purchases, DFAR 252.227-7015 (Technical Data -- Commercial Items) and 227.7202-3 (Rights in Commercial Computer Software or Computer Software Documentation). Accordingly, all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

13.2 Relationship of Parties. This License will not be construed as creating an agency, partnership, joint venture or any other form of legal association between You and Apple, and You will not represent to the contrary, whether expressly, by implication, appearance or otherwise.

13.3 Independent Development. Nothing in this License will impair Apple's right to acquire, license, develop, have others develop for it, market and/or distribute technology or products that perform the same or similar functions as, or otherwise compete with, Modifications, Larger Works, technology or products that You may develop, produce, market or distribute.

13.4 Waiver; Construction. Failure by Apple to enforce any provision of this License will not be deemed a waiver of future enforcement of that or any other provision. Any law or regulation which provides that the language of a contract shall be construed against the drafter will not apply to this License.

13.5 Severability. (a) If for any reason a court of competent jurisdiction finds any provision of this License, or portion thereof, to be unenforceable, that provision of the License will be enforced to the maximum extent permissible so as to effect the economic benefits and intent of the parties, and the remainder of this License will continue in full force and effect. (b) Notwithstanding the foregoing, if applicable law prohibits or restricts You from fully and/or specifically complying with Sections 2 and/or 3 or prevents the enforceability of either of those Sections, this License will immediately terminate and You must immediately discontinue any use of the Covered Code and destroy all copies of it that are in your possession or control.
13.6 Dispute Resolution. Any litigation or other dispute resolution between You and Apple relating to this License shall take place in the Northern District of California, and You and Apple hereby consent to the personal jurisdiction of, and venue in, the state and federal courts within that District with respect to this License. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded.

13.7 Entire Agreement; Governing Law. This License constitutes the entire agreement between the parties with respect to the subject matter hereof. This License shall be governed by the laws of the United States and the State of California, except that body of California law concerning conflicts of law.

Where You are located in the province of Quebec, Canada, the following clause applies: The parties hereby confirm that they have requested that this License and all related documents be drafted in English. Les parties ont exige que le present contrat et tous les documents connexes soient rediges en anglais.

EXHIBIT A.

"Portions Copyright (c) 1999 Apple Computer, Inc. All Rights Reserved. This file contains Original Code and/or Modifications of Original Code as defined in and that are subject to the Apple Public Source License Version 1.1 (the "License"). You may not use this file except in compliance with the License. Please obtain a copy of the License at http://www.apple.com/publicsource and read it before using this file.

The Original Code and all software distributed under the License are distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND APPLE HEREBY DISCLAIMS ALL SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. Please see the License for the specific language governing rights and limitations under the License."

/* CMU libsasl
 * Tim Martin
 * Rob Earhart
 * Rob Siemborski
 */

/*
 * Copyright (c) 1998-2003 Carnegie Mellon University. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
* 1. Redistributions of source code must retain the above copyright
   * notice, this list of conditions and the following disclaimer.
   *
   * 2. Redistributions in binary form must reproduce the above copyright
   * notice, this list of conditions and the following disclaimer in
   * the documentation and/or other materials provided with the
   * distribution.
   *
   * 3. The name "Carnegie Mellon University" must not be used to
   * endorse or promote products derived from this software without
   * prior written permission. For permission or any other legal
   * details, please contact
   * Office of Technology Transfer
   * Carnegie Mellon University
   * 5000 Forbes Avenue
   * Pittsburgh, PA  15213-3890
   * (412) 268-4387, fax: (412) 268-7395
   * tech-transfer@andrew.cmu.edu
   *
   * 4. Redistributions of any form whatsoever must retain the following
   * acknowledgment:
   * "This product includes software developed by Computing Services
   * at Carnegie Mellon University (http://www.cmu.edu/computing/),"
   *
   * CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL WARRANTIES WITH REGARD TO
   * THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
   * AND FITNESS, IN NO EVENT SHALL CARNEGIE MELLON UNIVERSITY BE LIABLE
   * FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
   * WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN
   * AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING
   * OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
   */

Copyright (C) 1995-1997 Eric Young (eay@mincom.oz.au)
All rights reserved.

This package is an DES implementation written by Eric Young (eay@mincom.oz.au).
The implementation was written so as to conform with MIT's libdes.

This library is free for commercial and non-commercial use as long as
the following conditions are heared to. The following conditions
apply to all code found in this distribution.

Copyright remains Eric Young's, and as such any Copyright notices in
the code are not to be removed.
If this package is used in a product, Eric Young should be given attribution
as the author of that the SSL library. This can be in the form of a textual
message at program startup or in documentation (online or textual) provided
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement:
   This product includes software developed by Eric Young (eay@mincom.oz.au)

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The license and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution license [including the GNU Public License.]

The reason behind this being stated in this direct manner is past experience in code simply being copied and the attribution removed from it and then being distributed as part of other packages. This implementation was a non-trivial and unpaid effort.

/* CMU libasl
 * Tim Martin
 * Rob Earhart
 * Rob Siemborski
 */

/*
 * Copyright (c) 2001 Carnegie Mellon University. All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright

---

Open Source Used in CSPC_Collector 2.9.1 27279
1.996 quartz-oracle 2.1.5

1.996.1 Available under license :
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2001-2009 Terracotta, Inc. Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License"); you may not
 * use this file except in compliance with the License. You may obtain a copy
 * of the License at
 * *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS, WITHOUT
* WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
* License for the specific language governing permissions and limitations
* under the License.
*
* /

Found in path(s):
* /opt/cola/permits/1136271395_1613726017.58/0/quartz-oracle-2-1-5-sources-1-
  jar/org/quartz/impl/jdbcjobstore/oracle/OracleDelegate.java

1.997 perl-http-cookies 6.04-2.el8
1.997.1 Available under license:

This software is copyright (c) 2002-2017 by Gisle Aas.

This is free software; you can redistribute it and/or modify it under
the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free
   Software Foundation; either version 1, or (at your option) any
   later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 2002-2017 by Gisle Aas.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users
at the mercy of those companies. By contrast, our General Public
License is intended to guarantee your freedom to share and change free software—\n to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation’s software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author’s protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors’ reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".
1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

   d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

   a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,
b) accompany it with a written offer, valid for at least three
years, to give any third party free (except for a nominal charge
for the cost of distribution) a complete machine-readable copy of the
corresponding source code, to be distributed under the terms of
Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the
corresponding source code may be obtained. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making
modifications to it. For an executable file, complete source code means
all the source code for all modules it contains; but, as a special
exception, it need not include source code for modules which are standard
libraries that accompany the operating system on which the executable
file runs, or for standard header files or definitions files that
accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the
Program except as expressly provided under this General Public License.
Any attempt otherwise to copy, modify, sublicense, distribute or transfer
the Program is void, and will automatically terminate your rights to use
the Program under this License. However, parties who have received
copies, or rights to use copies, from you under this General Public
License will not have their licenses terminated so long as such parties
remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based
on the Program) you indicate your acceptance of this license to do so,
and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the original
licensor to copy, distribute or modify the Program subject to these
terms and conditions. You may not impose any further restrictions on the
recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of the license which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
the license, you may choose any version ever published by the Free Software
Foundation.

8. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to humanity, the best way to achieve this is to make it
free software which everyone can redistribute and change under these
terms.

To do so, attach the following notices to the program. It is safest to
attach them to the start of each source file to most effectively convey
the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 1, or (at your option)
any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA  02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) 19xx name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the
commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your
program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter the names:

    Yoyodyne, Inc., hereby disclaims all copyright interest in the
    program `Gnomovision' (a program to direct compilers to make passes
    at assemblers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

    That's all there is to it!

--- The Artistic License 1.0 ---
This software is Copyright (c) 2002-2017 by Gisle Aas.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:
a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.
8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

# HTTP-COOKIES CONTRIBUTORS #

This is the (likely incomplete) list of people who have helped make this distribution what it is, either via code contributions, patches, bug reports, help with troubleshooting, etc. A huge 'thank you' to all of them.

* Adam Kennedy
* Adam Sjogren
* Alexey Tourbin
* Alex Kapranoff
* Alex Peters
* amire80
* Andreas J. Koenig
* Bill Mann
* Bron Gondwana
* Chase Whitener
* Daniel Hedlund
* David E. Wheeler
* DAVIDRW
* Father Chrysostomos
* FWILES
* Gavin Peters
* Graeme Thompson
* Hans-H. Froehlich
* Ian Kilgore
* Jacob J
* James McCoy
* jefflee
* john9art
* Mark Stosberg
* Mike Schilli
* murphy
* Olaf Alders
* Ondrej Hanak
* Perlover
* Peter Rabbitson
* phrstbrn
* Robert Stone
* Rolf Grossmann
* ruff
* sasao
* Sean M. Burke
* Slaven Rezic
* Spiros Denaxas
* Steve Hay
* Todd Lipcon
* Tom Hukins
* Tony Finch
* Toru Yamaguchi
* Ville Skytt
* Yuri Karaban
* Zefram

1.998 xerces-j 2.11.0

1.998.1 Available under license:
No license file was found, but licenses were detected in source scan.

UniqueParticleAttribution = Error: cos-nonambig: {{0}} and {{1}} violate the "Unique Particle Attribution" rule.
cos-nonambig = cos-nonambig: {0} and {1} (or elements from their substitution group) violate "Unique Particle Attribution".

Found in path(s):
* /opt/cola/permits/1000738208_1608730690.09/0/xercesimpl-zip/xercesimpl-jar/org/apache/xerces/implement/msg/XMLSchemaMessages.properties

1.999 zlib 1.2.11 13.el8

1.999.1 Available under license:
Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by
a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

1.1000 icu 60.3 2.el8_1

1.1000.1 Available under license:

## -*-makefile-*-
## Copyright (C) 2016 and later: Unicode, Inc. and others.
## License & terms of use: http://www.unicode.org/copyright.html
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD. *BSD)
## Copyright (c) 1999-2013, International Business Machines Corporation and
## others. All Rights Reserved.

## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao
## Compilation rules

%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules

%..d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \\
| sed 's/\(^*\$\)*\(.*\).o\[ \: \]/\1.o $@ : /g'\\
| rm -f $@'
%
%..d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \\
| sed 's/\(^*\$\)*\(.*\).o\[ \: \]/\1.o $@ : /g'\\
| rm -f $@'

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s {*F}.$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
COPYRIGHT AND PERMISSION NOTICE (ICU 58 and later)
Permission is hereby granted, free of charge, to any person obtaining
a copy of the Unicode data files and any associated documentation
(the "Data Files") or Unicode software and any associated documentation
(the "Software") to deal in the Data Files or Software
without restriction, including without limitation the rights to use,
copy, modify, merge, publish, distribute, and/or sell copies of
the Data Files or Software, and to permit persons to whom the Data Files
or Software are furnished to do so, provided that either
(a) this copyright and permission notice appear with all copies
of the Data Files or Software, or
(b) this copyright and permission notice appear in associated
Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF
ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS
NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL
DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder
shall not be used in advertising or otherwise to promote the sale,
use or other dealings in these Data Files or Software without prior
written authorization of the copyright holder.

Third-Party Software Licenses

This section contains third-party software notices and/or additional
terms for licensed third-party software components included within ICU
libraries.

1. ICU License - ICU 1.8.1 to ICU 57.1

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1995-2016 International Business Machines Corporation and others
All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software and associated documentation files (the 
"Software"), to deal in the Software without restriction, including 
without limitation the rights to use, copy, modify, merge, publish, 
distribute, and/or sell copies of the Software, and to permit persons 
to whom the Software is furnished to do so, provided that the above 
copyright notice(s) and this permission notice appear in all copies of 
the Software and that both the above copyright notice(s) and this 
permission notice appear in supporting documentation.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, 
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF 
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT 
OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR 
HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY 
SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER 
RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF 
CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN 
CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Except as contained in this notice, the name of a copyright holder 
shall not be used in advertising or otherwise to promote the sale, use 
or other dealings in this Software without prior written authorization 
of the copyright holder.

All trademarks and registered trademarks mentioned herein are the 
property of their respective owners.


# The Google Chrome software developed by Google is licensed under 
# the BSD license. Other software included in this distribution is 
# provided under other licenses, as set forth below.
#
# The BSD License
# http://opensource.org/licenses/bsd-license.php
# Copyright (C) 2006-2008, Google Inc.
#
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without 
# modification, are permitted provided that the following conditions are met:
#
# Redistributions of source code must retain the above copyright notice, 
# this list of conditions and the following disclaimer.
# Redistributions in binary form must reproduce the above 
# copyright notice, this list of conditions and the following 
# disclaimer in the documentation and/or other materials provided with 
# the distribution.
# Neither the name of Google Inc. nor the names of its
# contributors may be used to endorse or promote products derived from
# this software without specific prior written permission.
#
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
# CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
# LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
# CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
# SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
# BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
# LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
# NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
# SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
#
#
# The word list in cjdict.txt are generated by combining three word lists
# listed below with further processing for compound word breaking. The
# frequency is generated with an iterative training against Google web
# corpora.
#
# * Libtabe (Chinese)
#   - https://sourceforge.net/project/?group_id=1519
#   - Its license terms and conditions are shown below.
#
# * IPADIC (Japanese)
#   - http://chasen.aist-nara.ac.jp/chasen/distribution.html
#   - Its license terms and conditions are shown below.
#
# --------COPYING.libtabe ---- BEGIN---------------------
#
# /*
# * Copyright (c) 1999 TaBE Project.
# * Copyright (c) 1999 Pai-Hsiang Hsiao.
# * All rights reserved.
# *
# * Redistribution and use in source and binary forms, with or without
# * modification, are permitted provided that the following conditions
# * are met:
# *
# * Redistributions of source code must retain the above copyright
# * notice, this list of conditions and the following disclaimer.
# * Redistributions in binary form must reproduce the above copyright
# * notice, this list of conditions and the following disclaimer in
# * the documentation and/or other materials provided with the
# * distribution.
# * . Neither the name of the TaBE Project nor the names of its
# * contributors may be used to endorse or promote products derived
# * from this software without specific prior written permission.
# * 
# * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# * "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# * LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# * REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
# * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# * SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
#
/*
* Copyright (c) 1999 Computer Systems and Communication Lab,
* Institute of Information Science, Academia
* Sinica. All rights reserved.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 
* . Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* . Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in
* the documentation and/or other materials provided with the
* distribution.
* . Neither the name of the Computer Systems and Communication Lab
* nor the names of its contributors may be used to endorse or
* promote products derived from this software without specific
* prior written permission.
* 
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
* "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
* LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
* FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
* REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
* INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
* (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
* SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# * STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# * OF THE POSSIBILITY OF SUCH DAMAGE.
# */
#
# Copyright 1996 Chih-Hao Tsai @ Beckman Institute,
# University of Illinois
# c-t sai4@uiuc.edu  http://casper.beckman.uiuc.edu/~c-t sai4
#
# ---------------COPYING.libtabe-----END-------------------------------
#
#
# ---------------COPYING.ipadic-----BEGIN-------------------------------
#
# Copyright 2000, 2001, 2002, 2003 Nara Institute of Science
# and Technology. All Rights Reserved.
#
# Use, reproduction, and distribution of this software is permitted.
# Any copy of this software, whether in its original form or modified,
# must include both the above copyright notice and the following
# paragraphs.
#
# Nara Institute of Science and Technology (NAIST),
# the copyright holders, disclaims all warranties with regard to this
# software, including all implied warranties of merchantability and
# fitness, in no event shall NAIST be liable for
# any special, indirect or consequential damages or any damages
# whatsoever resulting from loss of use, data or profits, whether in an
# action of contract, negligence or other tortuous action, arising out
# of or in connection with the use or performance of this software.
#
# A large portion of the dictionary entries
# originate from ICOT Free Software. The following conditions for ICOT
# Free Software applies to the current dictionary as well.
#
# Each User may also freely distribute the Program, whether in its
# original form or modified, to any third party or parties, PROVIDED
# that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
# on, or be attached to, the Program, which is distributed substantially
# in the same form as set out herein and that such intended
# distribution, if actually made, will neither violate or otherwise
# contravene any of the laws and regulations of the countries having
# jurisdiction over the User or the intended distribution itself.
#
# NO WARRANTY
#
# The program was produced on an experimental basis in the course of the
# research and development conducted during the project and is provided
# to users as so produced on an experimental basis. Accordingly, the
# program is provided without any warranty whatsoever, whether express,
# implied, statutory or otherwise. The term "warranty" used herein
# includes, but is not limited to, any warranty of the quality,
# performance, merchantability and fitness for a particular purpose of
# the program and the nonexistence of any infringement or violation of
# any right of any third party.
#
# Each user of the program will agree and understand, and be deemed to
# have agreed and understood, that there is no warranty whatsoever for
# the program and, accordingly, the entire risk arising from or
# otherwise connected with the program is assumed by the user.
#
# Therefore, neither ICOT, the copyright holder, or any other
# organization that participated in or was otherwise related to the
# development of the program and their respective officials, directors,
# officers and other employees shall be held liable for any and all
# damages, including, without limitation, general, special, incidental
# and consequential damages, arising out of or otherwise in connection
# with the use or inability to use the program or any product, material
# or result produced or otherwise obtained by using the program,
# regardless of whether they have been advised of, or otherwise had
# knowledge of, the possibility of such damages at any time during the
# project or thereafter. Each user will be deemed to have agreed to the
# foregoing by his or her commencement of use of the program. The term
# "use" as used herein includes, but is not limited to, the use,
# modification, copying and distribution of the program and the
# production of secondary products from the program.
#
# In the case where the program, whether in its original form or
# modified, was distributed or delivered to or received by a user from
# any person, organization or entity other than ICOT, unless it makes or
# grants independently of ICOT any specific warranty to the user in
# writing, such person, organization or entity, will also be exempted
# from and not be held liable to the user for any such damages as noted
# above as far as the program is concerned.
#
# ----------------COPYING.ipadic-----END-------------------------------

3. Lao Word Break Dictionary Data (laodict.txt)

# Copyright (c) 2013 International Business Machines Corporation
# and others. All Rights Reserved.
#
# Project: http://code.google.com/p/lao-dictionary/
# License: http://lao-dictionary.googlecode.com/git/Lao-Dictionary-LICENSE.txt
# (copied below)
# This file is derived from the above dictionary, with slight
# modifications.
# ----------------------------------------------------------------------
# Copyright (C) 2013 Brian Eugene Wilson, Robert Martin Campbell.
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification,
# are permitted provided that the following conditions are met:
#
# Redistributions of source code must retain the above copyright notice, this
# list of conditions and the following disclaimer. Redistributions in
# binary form must reproduce the above copyright notice, this list of
# conditions and the following disclaimer in the documentation and/or
# other materials provided with the distribution.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
# INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# OF THE POSSIBILITY OF SUCH DAMAGE.
# ----------------------------------------------------------------------

4. Burmese Word Break Dictionary Data (burmesedict.txt)

# Copyright (c) 2014 International Business Machines Corporation
# and others. All Rights Reserved.
#
# This list is part of a project hosted at:
# github.com/kanyawtech/myanmar-karen-word-lists
#
# ----------------------------------------------------------------------
# Copyright (c) 2013, LeRoy Benjamin Sharon
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions
# are met: Redistributions of source code must retain the above
copyright notice, this list of conditions and the following
# disclaimer. Redistributions in binary form must reproduce the
# above copyright notice, this list of conditions and the following
# disclaimer in the documentation and/or other materials provided
# with the distribution.
#
# Neither the name Myanmar Karen Word Lists, nor the names of its
# contributors may be used to endorse or promote products derived
# from this software without specific prior written permission.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
# CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS
# BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
# EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED
# TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
# DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
# ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR
# TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF
# THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
# SUCH DAMAGE.
# --------------------------------------------------------------------------

5. Time Zone Database

ICU uses the public domain data and code derived from Time Zone
Database for its time zone support. The ownership of the TZ database
is explained in BCP 175: Procedure for Maintaining the Time Zone
Database section 7.

# 7. Database Ownership

# The TZ database itself is not an IETF Contribution or an IETF
# document. Rather it is a pre-existing and regularly updated work
# that is in the public domain, and is intended to remain in the
# public domain. Therefore, BCPs 78 [RFC5378] and 79 [RFC3979] do
# not apply to the TZ Database or contributions that individuals make
# to it. Should any claims be made and substantiated against the TZ
# Database, the organization that is providing the IANA
# Considerations defined in this RFC, under the memorandum of
# understanding with the IETF, currently ICANN, may act in accordance
# with all competent court orders. No ownership claims will be made
# by ICANN or the IETF Trust on the database or the code. Any person
# making a contribution to the database or code waives all rights to
# future claims in that contribution or in the TZ Database.
1.1001 libcap 2.26-1.el8

1.1001.1 Available under license:

Unless otherwise *explicitly* stated the following text describes the licensed conditions under which the contents of this module release may be distributed:

-------------------------------------------------------------------------
Redistribution and use in source and binary forms of this module, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain any existing copyright notice, and this entire permission notice in its entirety, including the disclaimer of warranties.

2. Redistributions in binary form must reproduce all prior and current copyright notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of any author may not be used to endorse or promote products derived from this software without their specific prior written permission.

ALTERNATIVELY, this product may be distributed under the terms of the GNU Library General Public License, in which case the provisions of the GNU LGPL are required INSTEAD OF the above restrictions. (This clause is necessary due to a potential conflict between the GNU LGPL and the restrictions contained in a BSD-style copyright.)

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR(S) BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
-------------------------------------------------------------------------

Unless otherwise *explicitly* stated, the following text describes the licensed conditions under which the contents of this libcap release may be used and distributed:
Redistribution and use in source and binary forms of libcap, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain any existing copyright notice, and this entire permission notice in its entirety, including the disclaimer of warranties.

2. Redistributions in binary form must reproduce all prior and current copyright notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of any author may not be used to endorse or promote products derived from this software without their specific prior written permission.

ALTERNATIVELY, this product may be distributed under the terms of the GNU General Public License (v2.0 - see below), in which case the provisions of the GNU GPL are required INSTEAD OF the above restrictions. (This clause is necessary due to a potential conflict between the GNU GPL and the restrictions contained in a BSD-style copyright.)

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR(S) BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Full text of gpl-2.0.txt:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.
1.1002 network-manager 1.20.0-3.el8

1.1002.1 Available under license:

Unless a COPYING file in a subdirectory or file-specific license headers specify a different license, the following applies to all files in this directory and all subdirectories.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights
you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under
this License will not have their licenses terminated so long as such
parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.1003 geronimo-jta 1.0.1
1.1003.1 Available under license :

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

1.1004 mysql-jdbc 5.1.14
1.1004.1 Available under license :
GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its
scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more
than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding
source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software
interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This
alternative is allowed only for noncommercial distribution and only if you received the program in object code or
executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable
work, complete source code means all the source code for all modules it contains, plus any associated interface
definition files, plus the scripts used to control compilation and installation of the executable. However, as a special
exception, the source code distributed need not include anything that is normally distributed (in either source or
binary form) with the major components (compiler, kernel, and so on) of the operating system on which the
executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering
equivalent access to copy the source code from the same place counts as distribution of the source code, even though
third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License.
Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically
terminate your rights under this License. However, parties who have received copies, or rights, from you under this
License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you
permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do
not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program),
you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or
modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives
a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions.
You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not
responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited
to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the
conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as
to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a
consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-
free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only
way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the
section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest
validity of any such claims; this section has the sole purpose of protecting the integrity of the free software
distribution system, which is implemented by public license practices. Many people have made generous
contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS
1.1005 libndp 1.7 1.el8

1.1005.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>
This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

---

1.1006 mailapi 1.5.0
1.1006.1 Available under license:

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.
1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or
otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the
Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients. rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipients rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it
clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN AS IS, BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT
APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a "commercial item", as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software", (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and "commercial computer software documentation", as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not
allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU
General Public License is intended to guarantee your freedom to share and change free software--to make sure the
software is free for all its users. This General Public License applies to most of the Free Software Foundation's
software and to any other program whose authors commit to using it. (Some other Free Software Foundation
software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to
make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish),
that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new
free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to
surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the
software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all
the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show
them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you
legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no
warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to
know that what they have is not the original, so that any problems introduced by others will not reflect on the
original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that
redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To
prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying
it may be distributed under the terms of this General Public License. The "Program", below, refers to any such
program or work, and a "work based on the Program" means either the Program or any derivative work under
copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications
and/or translated into another language. (Hereinafter, translation is included without limitation in the term
"modification"). Each licensee is addressed as "you".
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under
the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more
than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding
source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software
interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This
alternative is allowed only for noncommercial distribution and only if you received the program in object code or
executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable
work, complete source code means all the source code for all modules it contains, plus any associated interface
definition files, plus the scripts used to control compilation and installation of the executable. However, as a special
exception, the source code distributed need not include anything that is normally distributed (in either source or
binary form) with the major components (compiler, kernel, and so on) of the operating system on which the
executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering
equivalent access to copy the source code from the same place counts as distribution of the source code, even though
third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License.
Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically
terminate your rights under this License. However, parties who have received copies, or rights, from you under this
License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you
permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do
not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program),
you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or
modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives
a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions.
You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not
responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited
to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the
conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as
to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a
consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-
free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only
way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY
TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERNED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Sun Microsystems, Inc. are subject to the following clarification and special exception to the GPL Version 2, but only where Sun has expressly included in the particular source file's header the words

"Sun designates this particular file as subject to the "Classpath" exception as provided by Sun in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

1.1007 xmlparserapis 2.6.2

1.1007.1 Available under license:

xmlparserapis 2.6.2
•Supplier is Apache Xerces (http://xerces.apache.org/)
•Ships under Apache Software License 2.0 (as far as I can tell from the references below)
•This open source seems to be mostly extant/deprecated, here are some references to its license terms:
  1. https://sbforge.org/fisheye/rdiff/NetarchiveSuite-Github/archive/archive-test/src/license/THIRD-PARTY.properties?r1=2b0e2032a77abcb2f9cd2a5402c348b58976db4&r2=6600eb2acd0a2d82488cc5170257ce2d3364059h&u&N
This license came from: http://www.w3.org/Consortium/Legal/copyright-software-19980720

W3C® SOFTWARE NOTICE AND LICENSE

http://www.w3.org/Consortium/Legal/

This W3C work (including software, documents, or other related items) is being provided by the copyright holders under the following license. By obtaining, using and/or copying this work, you (the licensee) agree that you have read, understood, and will comply with the following terms and conditions:
Permission to use, copy, modify, and distribute this software and its documentation, with or without modification, for any purpose and without fee or royalty is hereby granted, provided that you include the following on ALL copies of the software and documentation or portions thereof, including modifications, that you make:

The full text of this NOTICE in a location viewable to users of the redistributed or derivative work.

Any pre-existing intellectual property disclaimers, notices, or terms and conditions. If none exist, a short notice of the following form (hypertext is preferred, text is permitted) should be used within the body of any redistributed or derivative code:
http://www.w3.org/Consortium/Legal/"

Notice of any changes or modifications to the W3C files, including the date changes were made. (We recommend you provide URIs to the location from which the code is derived.)

THIS SOFTWARE AND DOCUMENTATION IS PROVIDED "AS IS," AND COPYRIGHT HOLDERS MAKE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE OR DOCUMENTATION WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADEMARKS OR OTHER RIGHTS.

COPYRIGHT HOLDERS WILL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY USE OF THE SOFTWARE OR DOCUMENTATION.

The name and trademarks of copyright holders may NOT be used in advertising or publicity pertaining to the software without specific, written prior permission. Title to copyright in this software and any associated documentation will at all times remain with copyright holders.

This formulation of W3C's notice and license became active on August 14 1998 so as to improve compatibility with GPL. This version ensures that W3C software licensing terms are no more restrictive than GPL and consequently W3C software may be distributed in GPL packages. See the older formulation for the policy prior to this date. Please see our Copyright FAQ for common questions about using materials from our site, including specific terms and conditions for packages like libwww, Amaya, and Jigsaw.

Other questions about this notice can be directed to site-policy@w3.org.

webmaster
(last updated $Date: 2002/01/31 23:13:42 $)

1.1008 jetty-spring 9.4.11.v20180605

1.1009 cdi-2 9.4.11.v20180605

1.1010 taglibs-standard-spec 1.2.5
1.1010.1 Available under license:

Apache Standard Taglib Specification API
Copyright 2001-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Apache License  
Version 2.0, January 2004  
http://www.apache.org/licenses/  

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.
"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing. Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.1011 python-paramiko 2.4.3-1.el8

1.1011.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
      51 Franklin Street, Suite 500, Boston, MA 02110-1335 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.
To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the
"Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the
To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Suite 500, Boston, MA 02110-1335 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.1012 apache-log4j 1.2.17

1.1012.1 Available under license:
Apache log4j
Copyright 2007 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright 1999-2005 The Apache Software Foundation

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an “AS IS” BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

//}}
* Licensed to the Apache Software Foundation (ASF) under one or more
* contributor license agreements. See the NOTICE file distributed with
* this work for additional information regarding copyright ownership.
* The ASF licenses this file to You under the Apache License, Version 2.0
* (the “License”); you may not use this file except in compliance with
* the License. You may obtain a copy of the License at
* http://www.apache.org/licenses/LICENSE-2.0
 *
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an “AS IS” BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
 */

1.1013 activemq-jdbc-store 5.16.1
1.1013.1 Available under license:

ActiveMQ :: JDBC Store
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License” shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
“Software Grant and Corporate Contribution License Agreement”,
informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code
with which this file is now or was at one time distributed
and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

The portion of the functionTests under 'nist' was originally
developed by the National Institute of Standards and Technology (NIST),
an agency of the United States Department of Commerce, and adapted by
International Business Machines Corporation in accordance with the NIST
Software Acknowledgment and Redistribution document at
The Derby build relies on source files supplied by the Apache Felix project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
- Apache License 2.0
- BSD License

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:
Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects,
including, but not limited to:
  - Apache Ant
  - Apache Jakarta Regexp
  - Apache Commons
  - Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license
and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such
as the Unicode Character Database. See http://unicode.org/copyright.html for more
details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were
automatically generated with the moman/finenight FSA library, created by
Jean-Philippe Barrette-LaPierre. This library is available under an MIT license,
see http://sites.google.com/site/rrettesite/moman and
http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from
the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0.
See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0
See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin
g Package (jaspell): http://jaspell.sourceforge.net/
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in
  analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
  analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from http://snowball.tartarus.org/

The KStem stemmer in
analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil,
and Edmond Nolan.

The Polish analyzer (stempel) comes with a default
stopword list that is BSD-licensed created by the Carrot2 project. The file resides
in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt.
See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was
provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/)
is derived from Unicode data such as the Unicode Character Database.
See http://unicode.org/copyright.html for more details.
The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz
or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST),
the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and fitness, in no event shall NAIST be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortuous action, arising out of or in connection with the use or performance of this software.

A large portion of the dictionary entries originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED
that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.
The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/.
The JSON simple jar file is licensed under the Apache 2.0 License.
No other notice covers that jar file.

Apache License  
Version 2.0, January 2004  
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.1016 vim 8.0.1763-13.el8

1.1016.1 Available under license:

/*
 * Copyright (C) 1989-95 GROUPE BULL
 * 
 * Permission is hereby granted, free of charge, to any person obtaining a copy
 * of this software and associated documentation files (the "Software"), to
 * deal in the Software without restriction, including without limitation the
 * rights to use, copy, modify, merge, publish, distribute, sublicense, and/or
 * sell copies of the Software, and to permit persons to whom the Software is
 * furnished to do so, subject to the following conditions:
 * 
 * The above copyright notice and this permission notice shall be included in
 * all copies or substantial portions of the Software.
 * 
 * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
 * IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
 * FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL
 * GROUPE BULL BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN
 * AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
 * CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
 * 
 * Except as contained in this notice, the name of GROUPE BULL shall not be
 * used in advertising or otherwise to promote the sale, use or other dealings
 * in this Software without prior written authorization from GROUPE BULL.
 */

Arnaud LE HORS BULL Research FRANCE -- Koala Project
(XPM - X PixMap format version 2 & 3)
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

The MIT License

Copyright (c) 2008 Paul Evans <leonerd@leonerd.org.uk>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
THE SOFTWARE.
*uganda.txt*  For Vim version 8.0. Last change: 2013 Jul 06

VIM REFERENCE MANUAL  by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*
SUMMARY
*iccf* *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are
couraged to make a donation for needy children in Uganda. Please see \[kcc\]
below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for
features. See \[sponsor\]. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see
[manual-copyright].

=== begin of license ===

VIM LICENSE

I) There are no restrictions on distributing unmodified copies of Vim except
that they must include this license text. You can also distribute
unmodified parts of Vim, likewise unrestricted except that they must
include this license text. You are also allowed to include executables
that you made from the unmodified Vim sources, plus your own usage
eamples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim,
including executables and/or source code, when the following four
conditions are met:
1) This license text must be included unmodified.
2) The modified Vim must be distributed in one of the following five ways:
   a) If you make changes to Vim yourself, you must clearly describe in
      the distribution how to contact you. When the maintainer asks you
      (in any way) for a copy of the modified Vim you distributed, you
      must make your changes, including source code, available to the
      maintainer without fee. The maintainer reserves the right to
      include your changes in the official version of Vim. What the
maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes. The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.

b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.

c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:

- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

3) A message must be added, at least in the output of the "version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the
maintainer, including the source code. The preferred way to do this is by e-mail or by uploading the files to a server and e-mailing the URL. If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is <maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a sponsor. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

==============================================================================
Kibaale Children's Centre  *kcc*  *Kibaale*  *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.
The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are
very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.
Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.  
Postbank, nr. 4548774  
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:  
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number. Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:  
The e-mail address for sending the money to is:  
Bram@iccf-holland.org  
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:  
Postbank, account 4548774  
Swift code: INGB NL 2A  
IBAN: NL95 INGB 0004 5487 74  
under the name "stichting ICCF Holland", Lisse  
If that doesn't work:  
Rabobank Lisse, account 3765.05.117  
Swift code: RABO NL 2U  
under the name "Bram Moolenaar", Lisse  
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:  
Bram Moolenaar  
Finsterrueihof 1  
8134 Adliswil  
Switzerland
This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:noml:

1.1017 lynx 2.8.9-2.el8

1.1017.1 Available under license:
Upstream source https://lynx.invisible-island.net/current/

Current maintainer: Thomas Dickey <dickey@invisible-island.net>

The address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:

1.1017 lynx 2.8.9-2.el8

1.1017.1 Available under license:
Upstream source https://lynx.invisible-island.net/current/

Current maintainer: Thomas Dickey <dickey@invisible-island.net>

The address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:
Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE X CONSORTIUM BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of the X Consortium shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization from the X Consortium.

FSF changes to this file are in the public domain.

Calling this script install-sh is preferred over install.sh, to prevent `make' implicit rules from creating a file called install from it when there is no Makefile.

This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

Files: debian/*
Copyright: 2010-2017, 2018 Thomas E. Dickey
License: other-BSD
Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in
supporting documentation, and that the name of the above listed
copyright holder(s) not be used in advertising or publicity pertaining
to distribution of the software without specific, written prior
permission.

THE ABOVE LISTED COPYRIGHT HOLDER(S) DISCLAIM ALL WARRANTIES WITH REGARD
TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS, IN NO EVENT SHALL THE ABOVE LISTED COPYRIGHT HOLDER(S) BE
LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF
OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

On Debian systems, the complete text of the GNU General
Public License can be found in `/usr/share/common-licenses/GPL-2`

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL.  It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it.  By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some
specially designated Free Software Foundation software, and to any
other libraries whose authors decide to use it.  You can use it for
your libraries, too.

When we speak of free software, we are referring to freedom, not
price.  Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if
you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.
However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to copy or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public
License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
See the COPYHEADER file which gives copyright information for Lynx.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gatis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author’s protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors’ reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone’s free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.
1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is
void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
The hypothetical commands `show w` and `show c` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w` and `show c`; they could even be mouse-clicks or menu items—whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.1018 jackson-dataformat-cbor 2.6.7
1.1018.1 Available under license:
This copy of Jackson JSON processor databind module is licensed under the Apache (Software) License, version 2.0 ("the License"). See the License for details about distribution rights, and the specific rights regarding derivate works.

You may obtain a copy of the License at:

http://www.apache.org/licenses/LICENSE-2.0

1.1019 libjpeg-turbo 1.5.3 10.el8
1.1019.1 Available under license:
libjpeg-turbo Licenses
======================

libjpeg-turbo is covered by three compatible BSD-style open source licenses:

- The IJG (Independent JPEG Group) License, which is listed in [README.ijg](README.ijg)

This license applies to the libjpeg API library and associated programs
(any code inherited from libjpeg, and any modifications to that code.)

- The Modified (3-clause) BSD License, which is listed below

This license covers the TurboJPEG API library and associated programs.

- The zlib License, which is listed below

This license is a subset of the other two, and it covers the libjpeg-turbo SIMD extensions.

Complying with the libjpeg-turbo Licenses
=========================================

This section provides a roll-up of the libjpeg-turbo licensing terms, to the best of our understanding.

1. If you are distributing a modified version of the libjpeg-turbo source, then:

   1. You cannot alter or remove any existing copyright or license notices from the source.

      **Origin**
      - Clause 1 of the IJG License
      - Clause 1 of the Modified BSD License
      - Clauses 1 and 3 of the zlib License

   2. You must add your own copyright notice to the header of each source file you modified, so others can tell that you modified that file (if there is not an existing copyright header in that file, then you can simply add a notice stating that you modified the file.)

      **Origin**
      - Clause 1 of the IJG License
      - Clause 2 of the zlib License

   3. You must include the IJG README file, and you must not alter any of the copyright or license text in that file.

      **Origin**
      - Clause 1 of the IJG License

2. If you are distributing only libjpeg-turbo binaries without the source, or if you are distributing an application that statically links with libjpeg-turbo, then:
1. Your product documentation must include a message stating:

   This software is based in part on the work of the Independent JPEG Group.

   **Origin**
   - Clause 2 of the IJG license

2. If your binary distribution includes or uses the TurboJPEG API, then your product documentation must include the text of the Modified BSD License.

   **Origin**
   - Clause 2 of the Modified BSD License

3. You cannot use the name of the IJG or The libjpeg-turbo Project or the contributors thereof in advertising, publicity, etc.

   **Origin**
   - IJG License
   - Clause 3 of the Modified BSD License

4. The IJG and The libjpeg-turbo Project do not warrant libjpeg-turbo to be free of defects, nor do we accept any liability for undesirable consequences resulting from your use of the software.

   **Origin**
   - IJG License
   - Modified BSD License
   - zlib License

The Modified (3-clause) BSD License
===================================

Copyright (C)\<YEAR\> \<AUTHOR\>. All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the libjpeg-turbo Project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS",
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

The zlib License
===============

Copyright (C) \<YEAR\>, \<AUTHOR\>.

This software is provided 'as-is', without any express or implied
warranty. In no event will the authors be held liable for any damages
arising from the use of this software.

Permission is granted to anyone to use this software for any purpose,
including commercial applications, and to alter it and redistribute it
freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not
claim that you wrote the original software. If you use this software
in a product, an acknowledgment in the product documentation would be
appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be
misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

1.1020 linux-firmware 8.24.2.2-94.el8.1
1.1020.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble
The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we
stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2)
tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.
2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work’s users, your or third parties’ legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program’s source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License,
in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this
License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this
License, you may add to a covered work material governed by the terms
of that license document, provided that the further restriction does
not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you
must place, in the relevant source files, a statement of the
additional terms that apply to those files, or a notice indicating
where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the
form of a separately written license, or stated as exceptions;
the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly
provided under this License. Any attempt otherwise to propagate or
modify it is void, and will automatically terminate your rights under
this License (including any patent licenses granted under the third
paragraph of section 11).

However, if you cease all violation of this License, then your
license from a particular copyright holder is reinstated (a)
provisionally, unless and until the copyright holder explicitly and
finally terminates your license, and (b) permanently, if the copyright
holder fails to notify you of the violation by some reasonable means
prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is
reinstated permanently if the copyright holder notifies you of the
violation by some reasonable means, this is the first time you have
received notice of violation of this License (for any work) from that
copyright holder, and you cure the violation prior to 30 days after
your receipt of the notice.

Termination of your rights under this section does not terminate the
licenses of parties who have received copies or rights from you under
this License. If your rights have been terminated and not permanently
reinstated, you do not qualify to receive new licenses for the same
material under section 10.


You are not required to accept this License in order to receive or
run a copy of the Program. Ancillary propagation of a covered work
occurring solely as a consequence of using peer-to-peer transmission
to receive a copy likewise does not require acceptance. However,
nothing other than this License grants you permission to propagate or
modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and
propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may
otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any
author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
<one line to give the program's name and a brief idea of what it does.>

Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.1021 pygobject 3.28.3 2.el8
1.1021.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.
We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.
In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
   based on the Library, uncombined with any other library
   facilities. This must be distributed under the terms of the
   Sections above.

b) Give prominent notice with the combined library of the fact
   that part of it is a work based on the Library, and explaining
   where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
   the Library except as expressly provided under this License. Any
   attempt otherwise to copy, modify, sublicense, link with, or
   distribute the Library is void, and will automatically terminate your
   rights under this License. However, parties who have received copies,
   or rights, from you under this License will not have their licenses
   terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
   signed it. However, nothing else grants you permission to modify or
   distribute the Library or its derivative works. These actions are
   prohibited by law if you do not accept this License. Therefore, by
   modifying or distributing the Library (or any work based on the
   Library), you indicate your acceptance of this License to do so, and
   all its terms and conditions for copying, distributing or modifying
   the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
    Library), the recipient automatically receives a license from the
    original licensor to copy, distribute, link with or modify the Library
    subject to these terms and conditions. You may not impose any further
    restrictions on the recipients' exercise of the rights granted herein.
    You are not responsible for enforcing compliance by third parties with
    this License.

11. If, as a consequence of a court judgment or allegation of patent
    infringement or for any other reason (not limited to patent issues),
    conditions are imposed on you (whether by court order, agreement or
    otherwise) that contradict the conditions of this License, they do not
    excuse you from the conditions of this License. If you cannot
    distribute so as to satisfy simultaneously your obligations under this
    License and any other pertinent obligations, then as a consequence you
    may not distribute the Library at all. For example, if a patent
    license would not permit royalty-free redistribution of the Library by
    all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENTERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.
This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

pygobject.svg and pygobject-small.svg are based on the GTK+ logo, created by
Andreas Nilsson, licensed under CC BY-SA 3.0. For more info see
https://commons.wikimedia.org/wiki/File:GTK%2B_logo.svg

1.1022 linux-firmware 15.32.2.9-94.el8.1
1.1022.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that
patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your
rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.
You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the
terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified
it, and giving a relevant date.

b) The work must carry prominent notices stating that it is
released under this License and any conditions added under section
7. This requirement modifies the requirement in section 4 to
"keep intact all notices".

c) You must license the entire work, as a whole, under this
License to anyone who comes into possession of a copy. This
License will therefore apply, along with any applicable section 7
additional terms, to the whole of the work, and all its parts,
regardless of how they are packaged. This License gives no
permission to license the work in any other way, but it does not
invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display
Appropriate Legal Notices; however, if the Program has interactive
interfaces that do not display Appropriate Legal Notices, your
work need not make them do so.

A compilation of a covered work with other separate and independent
works, which are not by their nature extensions of the covered work,
and which are not combined with it such as to form a larger program,
in or on a volume of a storage or distribution medium, is called an
"aggregate" if the compilation and its resulting copyright are not
used to limit the access or legal rights of the compilation's users
beyond what the individual works permit. Inclusion of a covered work
in an aggregate does not cause this License to apply to the other
parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms
of sections 4 and 5, provided that you also convey the
machine-readable Corresponding Source under the terms of this License,
in one of these ways:

a) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by the
Corresponding Source fixed on a durable physical medium
customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.
When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.
Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and
propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.
If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that oblige you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, 
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR 
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM 
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF 
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING 
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS 
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY 
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE 
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF 
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD 
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), 
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF 
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided 
above cannot be given local legal effect according to their terms, 
reviewing courts shall apply local law that most closely approximates 
an absolute waiver of all civil liability in connection with the 
Program, unless a warranty or assumption of liability accompanies a 
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest 
possible use to the public, the best way to achieve this is to make it 
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest 
to attach them to the start of each source file to most effectively 
state the exclusion of warranty; and each file should have at least 
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.> 
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify 
it under the terms of the GNU General Public License as published by 
the Free Software Foundation, either version 3 of the License, or 
(at your option) any later version.
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.1023 appengine-jsr107cache 1.9.34
1.1023.1 Available under license :

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
   1. You must give any other recipients of the Work or Derivative Works a copy of this License; and
   2. You must cause any modified files to carry prominent notices stating that You changed the files; and
   3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS
1.1025 python-schedutils 0.6 6.el8

1.1025.1 Available under license:

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA

Everyone is permitted to copy and distribute verbatim copies of
this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.
Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion...
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices
stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in
whole or in part contains or is derived from the Program or any
part thereof, to be licensed as a whole at no charge to all third
parties under the terms of this License.

c) If the modified program normally reads commands interactively
when run, you must cause it, when started running for such
interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a
notice that there is no warranty (or else, saying that you provide
a warranty) and that users may redistribute the program under
these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but
does not normally print such an announcement, your work based on
the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs
If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.1026 dhcp 4.3.6

1.1026.1 Available under license:

Redistribution terms

Automated Testing Framework

License

******

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright 2011, 2012 Google Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Relicensed code
***************

The following code snippets have been taken from other projects. Even though they were not originally licensed under the terms above, the original authors have agreed to relicense their work so that this project can be distributed under a single license. This section is put here just to clarify this fact.

* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a982da30822d796df35f98d787c5c0f2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>
* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:  
These files were derived from the file_handle, systembuf, pipe and pistream  
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,  
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,  
except the first one, were first implemented in the Buildtool project.  
They were later adapted to be part of Boost.Process and, during that  
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

===========================================================================

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
# Copyright (c) 2004-2017 by Internet Systems Consortium, Inc. ("ISC")
# Copyright (c) 1995-2003 by Internet Software Consortium
#
# Permission to use, copy, modify, and distribute this software for any  
# purpose with or without fee is hereby granted, provided that the above  
# copyright notice and this permission notice appear in all copies.
#
# THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES  
# WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF  
# MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR  
# ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES  
# WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN  
# ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT  
# OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
#
# Internet Systems Consortium, Inc.
# 950 Charter Street
# Redwood City, CA 94063
# <info@isc.org>
# https://www.isc.org/

See the specific source files for any additional copyright or  
license statements.

<!---  
-  
- Permission to use, copy, modify, and/or distribute this software for any  
- purpose with or without fee is hereby granted, provided that the above  
- copyright notice and this permission notice appear in all copies.  
-  
---
- THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES WITH
- REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
- AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT,
- INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM
- LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE
- OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
- PERFORMANCE OF THIS SOFTWARE.
-->

<!- $Id$ -->

<!- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

  <xsl:variable name="isc.copyright.text">
    <xsl:text>Permission to use, copy, modify, and/or distribute this software for any
purpose with or without fee is hereby granted, provided that the above
copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES WITH
REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY
AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT,
INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM
LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE
OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THIS SOFTWARE.
</xsl:text>
  </xsl:variable>
</xsl:stylesheet>
# Copyright (c) 2004-2016 by Internet Systems Consortium, Inc. ("ISC")
# Copyright (c) 1995-2003 by Internet Software Consortium

# Permission to use, copy, modify, and distribute this software for any
# purpose with or without fee is hereby granted, provided that the above
# copyright notice and this permission notice appear in all copies.

# THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES
# WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF
# MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR
# ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
# WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN
# ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT
# OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

# Internet Systems Consortium, Inc.
# 950 Charter Street
# Redwood City, CA 94063
# <info@isc.org>
# https://www.isc.org/

See the specific source files for any additional copyright or license statements.
ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

------------------------------------------------------------------------------------------------------------------

Copyright (C) 2002 Stichting NLnet, Netherlands, stichting@nlnet.nl.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND STICHTING NLNET DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL STICHTING NLNET BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

The development of Dynamically Loadable Zones (DLZ) for Bind 9 was conceived and contributed by Rob Butler.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ROB BUTLER DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ROB BUTLER BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

------------------------------------------------------------------------------------------------------------------

Copyright (c) 1987, 1990, 1993, 1994
The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Copyright (C) The Internet Society 2005. This version of this module is part of RFC 4178; see the RFC itself for full legal notices.

(The above copyright notice is per RFC 3978 5.6 (a), q.v.)

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Copyright (c) 2004 Masarykova universita
(Masaryk University, Brno, Czech Republic)
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-------------
Copyright (c) 1997 - 2003 Kungliga Tekniska Hgskolan
(Royal Institute of Technology, Stockholm, Sweden).
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the Institute nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-------------
Copyright (c) 1998 Doug Rabson
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

----------------------------------------------------------------------------

Copyright ((c)) 2002, Rice University
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Rice University (RICE) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

This software is provided by RICE and the contributors on an "as is" basis, without any representations or warranties of any kind, express or implied including, but not limited to, representations or warranties of non-infringement, merchantability or fitness for a
particular purpose. In no event shall RICE or contributors be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this software, even if advised of the possibility of such damage.

------------------------------------------------------------------------------

Copyright (c) 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

------------------------------------------------------------------------------

Copyright 2000 Aaron D. Gifford. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR(S) AND CONTRIBUTOR(S) ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---------------------------------------------------------------------

Copyright (c) 1998 Doug Rabson.
Copyright (c) 2001 Jake Burkholder.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR(S) OR CONTRIBUTOR(S) BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---------------------------------------------------------------------
3. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-----------------------------------------------------------------------------

Copyright (c) 1999-2000 by Nortel Networks Corporation

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND NORTEL NETWORKS DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL NORTEL NETWORKS BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

-----------------------------------------------------------------------------

Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved.

By using this file, you agree to the terms and conditions set forth bellow.

LICENSE TERMS AND CONDITIONS

The following License Terms and Conditions apply, unless a different license is obtained from Japan Network Information Center ("JPNIC"), a Japanese association, Kokusai-Kougyou-Kanda Bldg 6F, 2-3-4 Uchi-Kanda, Chiyoda-ku, Tokyo 101-0047, Japan.

1. Use, Modification and Redistribution (including distribution of any
modified or derived work) in source and/or binary forms is permitted under this License Terms and Conditions.

2. Redistribution of source code must retain the copyright notices as they appear in each source code file, this License Terms and Conditions.

3. Redistribution in binary form must reproduce the Copyright Notice, this License Terms and Conditions, in the documentation and/or other materials provided with the distribution. For the purposes of binary distribution the "Copyright Notice" refers to the following language: "Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved."

4. The name of JPNIC may not be used to endorse or promote products derived from this Software without specific prior written approval of JPNIC.

5. Disclaimer/Limitation of Liability: THIS SOFTWARE IS PROVIDED BY JPNIC "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JPNIC BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

--------------------------------------------------------------------------

Copyright (C) 2004 Nominet, Ltd.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND NOMINET DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

--------------------------------------------------------------------------

Portions Copyright RSA Security Inc.
License to copy and use this software is granted provided that it is identified as "RSA Security Inc. PKCS #11 Cryptographic Token Interface (Cryptoki)" in all material mentioning or referencing this software.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Security Inc. PKCS #11 Cryptographic Token Interface (Cryptoki)" in all material mentioning or referencing the derived work.

RSA Security Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

--------------------------------------------------------------------------------

Copyright (c) 1996, David Mazieres <dm@uun.org>
Copyright (c) 2008, Damien Miller <djm@openbsd.org>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

--------------------------------------------------------------------------------

Copyright (c) 2000-2001 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgment:
"This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.OpenSSL.org/"

4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact licensing@OpenSSL.org.

5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following acknowledgment:
"This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.OpenSSL.org/)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

----------------------------------------------------------------------------------------------

Copyright (c) 1995, 1997, 1998 The NetBSD Foundation, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NetBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2005 - 2008, Holger Zuleger HZnet. All rights reserved.

This software is open source.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Holger Zuleger HZnet nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved.

By using this file, you agree to the terms and conditions set forth bellow.

LICENSE TERMS AND CONDITIONS

The following License Terms and Conditions apply, unless a different license is obtained from Japan Network Information Center ("JPNIC"), a Japanese association, Kokusai-Kougyou-Kanda Bldg 6F, 2-3-4 Uchi-Kanda,
1. Use, Modification and Redistribution (including distribution of any modified or derived work) in source and/or binary forms is permitted under this License Terms and Conditions.

2. Redistribution of source code must retain the copyright notices as they appear in each source code file, this License Terms and Conditions.

3. Redistribution in binary form must reproduce the Copyright Notice, this License Terms and Conditions, in the documentation and/or other materials provided with the distribution. For the purposes of binary distribution the “Copyright Notice” refers to the following language: "Copyright (c) 2000-2002 Japan Network Information Center. All rights reserved.”

4. The name of JPNIC may not be used to endorse or promote products derived from this Software without specific prior written approval of JPNIC.

5. Disclaimer/Limitation of Liability: THIS SOFTWARE IS PROVIDED BY JPNIC "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL JPNIC BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

1.1027 derbylocale-de-de 10.14.2.0
1.1027.1 Available under license :

=========================================================================== NOTICE file corresponding to section 4(d) of the Apache License, == Version 2.0, in this case for the Apache Derby distribution. == == DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED == BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE. ===========================================================================

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

========================================================================= Portions of Derby were originally developed by International Business Machines Corporation and are licensed to the Apache Software Foundation under the "Software Grant and Corporate Contribution License Agreement", informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code with which this file is now or was at one time distributed and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

========================================================================= The portion of the functionTests under 'nist' was originally developed by the National Institute of Standards and Technology (NIST), an agency of the United States Department of Commerce, and adapted by International Business Machines Corporation in accordance with the NIST Software Acknowledgment and Redistribution document at http://www.itl.nist.gov/div897/ctg/sql_form.htm

========================================================================= The Derby build relies on source files supplied by the Apache Felix project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
- Apache License 2.0
- BSD License

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects,
including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license
and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such
as the Unicode Character Database. See http://unicode.org/copyright.html for more
details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0. See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0. See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin g Package (jaspell): http://jaspell.sourceforge.net/ License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in analysis/common/src/java/net/sf/snowball were developed by Martin Porter and Richard Boulton. The snowball stopword lists in analysis/common/src/resources/org/apache/lucene/analysis/snowball were developed by Martin Porter and Richard Boulton. The full snowball package is available from http://snowball.tartarus.org/

The KStem stemmer in analysis/common/src/org/apache/lucene/analysis/en was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:


The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slonnik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801
which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST),
the copyright holders, disclaims all warranties with regard to this
software, including all implied warranties of merchantability and
fitness, in no event shall NAIST be liable for
any special, indirect or consequential damages or any damages
whatsoever resulting from loss of use, data or profits, whether in an
action of contract, negligence or other tortuous action, arising out
of or in connection with the use or performance of this software.

A large portion of the dictionary entries
originate from ICOT Free Software. The following conditions for ICOT
Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its
original form or modified, to any third party or parties, PROVIDED
that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
on, or be attached to, the Program, which is distributed substantially
in the same form as set out herein and that such intended
distribution, if actually made, will neither violate or otherwise
contravene any of the laws and regulations of the countries having
jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the
research and development conducted during the project and is provided
to users as so produced on an experimental basis. Accordingly, the
program is provided without any warranty whatsoever, whether express,
implied, statutory or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality,
performance, merchantability and fitness for a particular purpose of
the program and the nonexistence of any infringement or violation of
any right of any third party.

Each user of the program will agree and understand, and be deemed to
have agreed and understood, that there is no warranty whatsoever for
the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from any person, organization or entity other than ICOT, unless it makes or grants independently of ICOT any specific warranty to the user in writing, such person, organization or entity, will also be exempted from and not be held liable to the user for any such damages as noted above as far as the program is concerned.

The Derby build relies on a jar file supplied by the JSON Simple project, hosted at https://code.google.com/p/json-simple/.
The JSON simple jar file is licensed under the Apache 2.0 License.
No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.

Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following
boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.1028 web-toolkit 2.3.0
1.1028.1 Available under license:
No license file was found, but licenses were detected in source scan.

/*! 
 * jQuery JavaScript Library v2.0.3
 * http://jquery.com/
 * 
 * Includes Sizzle.js
 * http://sizzlejs.com/
 * 
 * Copyright 2005, 2013 jQuery Foundation, Inc. and other contributors
 * 
 * Released under the MIT license
 * 
 * Date: 2013-07-03T13:30Z
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2.3-0-0-geba0644-targ.gz/skyglobal-web-toolkit-010d7cd/test/libraries/jquery-2.0.3.js
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2.3-0-0-geba0644-targ.gz/skyglobal-web-toolkit-010d7cd/_site/static/lib/jquery-2.0.3.js
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2.3-0-0-geba0644-targ.gz/skyglobal-web-toolkit-010d7cd/_site/test/libraries/jquery-2.0.3.js
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2.3-0-0-geba0644-targ.gz/skyglobal-web-toolkit-010d7cd/app/static/lib/jquery-2.0.3.js
No license file was found, but licenses were detected in source scan.

/*! 
 * RequireJS 2.1.14 Copyright (c) 2010-2014, The Dojo Foundation All Rights Reserved.
 * Available via the MIT or new BSD license.
 * see: http://github.com/jrburke/requirejs for details
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2.3-0-0-geba0644-targ.gz/skyglobal-web-toolkit-010d7cd/_site/static/lib/require-2.1.14.min.js
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2.3-0-0-geba0644-targ.gz/skyglobal-web-toolkit-010d7cd/_site/test/libraries/require.js
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2.3-0-0-geba0644-targ.gz/skyglobal-web-toolkit-010d7cd/_site/app/static/lib/require-2.1.14.min.js
No license file was found, but licenses were detected in source scan.

// Underscore may be freely distributed under the MIT license.

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*!
 * chai
 * Copyright(c) 2011-2013 Jake Luer <jake@alogicalparadox.com>
 * MIT Licensed
 */

No license file was found, but licenses were detected in source scan.

/* ========================================================================
 * Bootstrap: scrollspy.js v3.0.2
 * http://getbootstrap.com/javascript/#scrollspy
 * ========================================================================
 * Copyright 2013 Twitter, Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

/*
 * =============== ScrollSpy JS Options ===============
 */

No license file was found, but licenses were detected in source scan.
gz/skyglobal-web-toolkit-010d7cd/_site/src/js/demo/scrollspy.js
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-geba0644-targz/skyglobal-web-toolkit-010d7cd/dist/toolkit/scripts/demo/scrollspy.js
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-geba0644-targz/skyglobal-web-toolkit-010d7cd/dist/demo/scripts/demo.js
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-geba0644-targz/skyglobal-web-toolkit-010d7cd/_site/dist/demo/scripts/demo.js
No license file was found, but licenses were detected in source scan.
var mboxCopyright = "Copyright 1996-2012. Adobe Systems Incorporated. All rights reserved.";
mboxUrlBuilder = function (a, b) {
this.a = a;
this.b = b;
this.c = new Array();
this.d = function (e) {
return e;
};
this.f = null;
};
mboxUrlBuilder.prototype.addParameter = function (g, h) {
var i = new RegExp('(\'|")');
if (i.exec(g)) {
throw "Parameter '" + g + "' contains invalid characters";
}
for (var j = 0; j < this.c.length; j++) {
var k = this.c[j];
if (k.name == g) {
k.value = h;
return this;
}
}
var l = new Object();
l.name = g;
l.value = h;
this.c[this.c.length] = l;
return this;
};
mboxUrlBuilder.prototype.addParameters = function (c) {
if (!c) {
return this;
}
for (var j = 0; j < c.length; j++) {
var m = c[j].indexOf('=');
if (m == -1 || m == 0) {
continue;
}
this.addParameter(c[j].substring(0, m), c[j].substring(m + 1, c[j].length));
}

Open Source Used In CSPC_Collector 2.9.1 27493


return this;
};
mboxUrlBuilder.prototype.setServerType = function (n) {
  this.o = n;
};
mboxUrlBuilder.prototype.setBasePath = function (f) {
  this.f = f;
};
mboxUrlBuilder.prototype.setUrlProcessAction = function (p) {
  this.d = p;
};
mboxUrlBuilder.prototype.buildUrl = function () {
  var q = this.f ? this.f : '/m2/' + this.b + '/mbox/' + this.o;
  var r = document.location.protocol == 'file:' ? 'http:' : document.location.protocol;
  var e = r + '/' + this.a + q;
  var s = e.indexOf('?') != -1 ? '&amp;' : '?';
  for (var j = 0; j < this.c.length; j++) {
    var k = this.c[j];
    if ((k.name == 'lnk') && typeof (k.value) != 'string') {
      continue;
    }
    e += s + encodeURIComponent(k.name) + '=' + encodeURIComponent(k.value);
    s = '&amp;';
  }
  return this.t(e);
};
mboxUrlBuilder.prototype.getParameters = function () {
  return this.c;
};
mboxUrlBuilder.prototype.setParameters = function (c) {
  this.c = c;
};
mboxUrlBuilder.prototype.clone = function () {
  var u = new mboxUrlBuilder(this.a, this.b);
  u.setServerType(this.o);
  u.setBasePath(this.f);
  u.setUrlProcessAction(this.d);
  for (var j = 0; j < this.c.length; j++) {
    u.addParameter(this.c[j].name, this.c[j].value);
  }
  return u;
};
mboxUrlBuilder.prototype.t = function (v) {
  return v.replace(/"/g, '"').replace(/>/g, '&gt;');
};
mboxStandardFetcher = function () {};
mboxStandardFetcher.prototype.getType = function () {
  return 'standard';
};
};
mboxStandardFetcher.prototype.fetch = function (w) {
w.setServerType(this.getType());
document.write('<' + 'scr' + 'ipt src="' + w.buildUrl() + '" language="JavaScript"><' + '\/scr' + 'ipt>');
};
mboxStandardFetcher.prototype.cancel = function () {};
mboxAjaxFetcher = function () {};
mboxAjaxFetcher.prototype.getType = function () {
return 'ajax';
};
mboxAjaxFetcher.prototype.fetch = function (w) {
w.setServerType(this.getType());
var e = w.buildUrl();
this.x = document.createElement('script');
this.x.src = e;
document.body.appendChild(this.x);
};
mboxAjaxFetcher.prototype.cancel = function () {};
mboxMap = function () {
this.y = new Object();
this.z = new Array();
};
mboxMap.prototype.put = function (A, h) {
if (!this.y[A]) {
this.z[this.z.length] = A;
}
this.y[A] = h;
};
mboxMap.prototype.get = function (A) {
return this.y[A];
};
mboxMap.prototype.remove = function (A) {
this.y[A] = undefined;
};
mboxMap.prototype.each = function (p) {
for (var j = 0; j < this.z.length; j++) {
var A = this.z[j];
var h = this.y[A];
if (h) {
var B = p(A, h);
if (B === false) {
break;
}
}
}
};
mboxFactory = function (C, b, D) {
this.E = false;

Open Source Used In CSPC_Collector 2.9.1 27495


this.C = C;
this.D = D;
this.F = new mboxList();
mboxFactories.put(D, this);
this.G = typeof document.createElement('div').replaceChild !== 'undefined' && (function () {
    return true;
})() && typeof document.getElementById != 'undefined' && typeof (window.addEventListener ||
document.addEventListener || window.addEventListener) != 'undefined' && typeof encodeURIComponent !=
'undefined';
this.H = this.G && mboxGetPageParameter('mboxDisable') == null;
var I = D == 'default';
this.J = new mboxCookieManager('mbox' + (I ? '' : ('-' + D)), (function () {
    return mboxCookiePageDomain();
}))();
this.H = this.H && this.J.isEnabled() && (this.J.getCookie('disable') == null);
if (this.isAdmin()) {
    this.enable();
} this.K();
this.L = mboxGenerateId();
this.M = mboxScreenHeight();
this.N = mboxScreenWidth();
this.O = mboxBrowserWidth();
this.P = mboxBrowserHeight();
this.Q = mboxScreenColorDepth();
this.R = mboxBrowserTimeOffset();
this.S = new mboxSession(this.L, 'mboxSession', 'session', 31 * 60, this.J);
this.T = new mboxPC('PC', 1209600, this.J);
this.w = new mboxUrlBuilder(C, b);
this.U(this.w, I);
this.V = new Date().getTime();
this.W = this.V;
var X = this;
this.addOnLoad(function () {
    X.W = new Date().getTime();
});
if (this.G) {
    this.addOnLoad(function () {
        X.E = true;
        X.getMboxes().each(function (Y) {
            Y.setFetcher(new mboxAjaxFetcher());
            Y.finalize();
        });
    });
}
if (this.H) {
    this.limitTraffic(100, 10368000);
    this.Z();
    this._ = new mboxSignaler(function (ab, c) {

return X.create(ab, c);
}
}
}
}

mboxFactory.prototype.isEnabled = function () {
    return this.H;
}

mboxFactory.prototype.getDisableReason = function () {
    return this.J.getCookie('disable');
}

mboxFactory.prototype.isSupported = function () {
    return this.G;
}

mboxFactory.prototype.disable = function(bb, cb) {
    if (typeof bb == 'undefined') {
        bb = 60 * 60;
    }
    if (typeof cb == 'undefined') {
        cb = 'unspecified';
    }
    if (!this.isAdmin()) {
        this.H = false;
        this.J.setCookie('disable', cb, bb);
    }
}

mboxFactory.prototype.enable = function () {
    this.H = true;
    this.J.deleteCookie('disable');
}

mboxFactory.prototype.isAdmin = function () {
    return document.location.href.indexOf('mboxEnv') != -1;
}

mboxFactory.prototype.limitTraffic = function (db, bb) {};

mboxFactory.prototype.addOnLoad = function (eb) {
    if (this.isDomLoaded()) {
        eb();
    } else {
        var fb = false;
        var gb = function () {
            if (fb) {
                return;
            }
            fb = true;
            eb();
        };
        this.hb.push(gb);
        if (this.isDomLoaded() && !fb) {

            
        }
    }
};
mboxFactory.prototype.getEllapsedTime = function () {
  return this.W - this.V;
};
mboxFactory.prototype.getEllapsedTimeUntil = function (ib) {
  return ib - this.V;
};
mboxFactory.prototype.getMboxes = function () {
  return this.F;
};
mboxFactory.prototype.get = function (ab, jb) {
  return this.F.get(ab).getById(jb || 0);
};
mboxFactory.prototype.update = function (ab, c) {
  if (!this.isEnabled()) {
    return;
  }
  if (!this.isDomLoaded()) {
    var X = this;
    this.addOnLoad(function () {
      X.update(ab, c);
    });
    return;
  }
  if (this.F.get(ab).length() == 0) {
    throw "Mbox " + ab + " is not defined";
  }
  this.F.get(ab).each(function (Y) {
    Y.getUrlBuilder().addParameter('mboxPage', mboxGenerateId());
    Y.load(c);
  });
};
mboxFactory.prototype.create = function (ab, c, kb) {
  if (!this.isSupported()) {
    return null;
  }
  var e = this.w.clone();
  e.addParameter('mboxCount', this.F.length() + 1);
  e.addParameters(c);
  var jb = this.F.get(ab).length();
  var lb = this.D + '-' + ab + '-' + jb;
  var mb;
  if (kb) {
    mb = new mboxLocatorNode(kb);
  } else {
if (this.E) {
    throw 'The page has already been loaded, can\'t write marker';
}
mb = new mboxLocatorDefault(lb);
}
try {
    var X = this;
    var nb = 'mboxImported-' + lb;
    var Y = new mbox(ab, jb, e, mb, nb);
    if (this.H) {
        Y.setFetcher(this.E ? new mboxAjaxFetcher() : new mboxStandardFetcher());
    }
    Y.setOnError(function (ob, n) {
        Y.setMessage(ob);
        Y.activate();
        if (!Y.isActivated()) {
            X.disable(60 * 60, ob);
            window.location.reload(false);
        }
    });
    this.F.add(Y);
} catch (pb) {
    this.disable();
    throw 'Failed creating mbox '' + ab + '''', the error was: ' + pb;
}
var qb = new Date();
e.addParameter('mboxTime', qb.getTime() - (qb.getTimezoneOffset() * 60000));
return Y;
};
mboxFactory.prototype.getCookieManager = function () {
    return this.J;
};
mboxFactory.prototype.getPageId = function () {
    return this.L;
};
mboxFactory.prototype.getPCId = function () {
    return this.T;
};
mboxFactory.prototype.getSessionId = function () {
    return this.S;
};
mboxFactory.prototype.getSignaler = function () {
    return this._;
};
mboxFactory.prototype.getUrlBuilder = function () {
    return this.w;
};
mboxFactory.prototype.U = function (e, I) {
e.addParameter('mboxHost', document.location.hostname).addParameter('mboxSession', this.S.getId());
if (!I) {
    e.addParameter('mboxFactoryId', this.D);
}
if (this.T.getId() != null) {
    e.addParameter('mboxPC', this.T.getId());
}
e.addParameter('mboxPage', this.L);
e.addParameter('screenHeight', this.M);
e.addParameter('screenWidth', this.N);
e.addParameter('browserWidth', this.O);
e.addParameter('browserHeight', this.P);
e.addParameter('browserTimeOffset', this.R);
e.addParameter('colorDepth', this.Q);
e.addParameters(this.rb().split('&'));
e.setUrlProcessAction(function (e) {
    e += '&mboxURL=' + encodeURIComponent(document.location);
    var sb = encodeURIComponent(document.referrer);
    if (e.length + sb.length < 2000) {
        e += '&mboxReferrer=' + sb;
    }
    e += '&mboxVersion=' + mboxVersion;
    return e;
});
};
mboxFactory.prototype.rb = function () {
    function tnt_readcookie(name) {
        var nameEQ = name + "=";
        var ca = document.cookie.split(');
        for (var i = 0; i < ca.length; i++) {
            var c = ca[i];
            while (c.charAt(0) == ") c = c.substring(1, c.length);
            if (c.indexOf(nameEQ) == 0) return c.substring(nameEQ.length, c.length);
        }
        return "";
    }
    return tnt_readcookie("custype");
};
mboxFactory.prototype.Z = function () {
    document.write('<style>.mboxDefault { visibility:hidden; }
</style>');
};
mboxFactory.prototype.isDomLoaded = function () {
    return this.E;
};
mboxFactory.prototype.K = function () {
    if (this.hb != null) {
        return;
    }
    return;
}
this.hb = new Array();
var X = this;
(function () {
    var tb = document.addEventListener ? "DOMContentLoaded" : "onreadystatechange";
    var ub = false;
    var vb = function () {
        if (ub) {
            return;
        }
        ub = true;
        for (var i = 0; i < X.hb.length; ++i) {
            X.hb[i]();
        }
    };
    if (document.addEventListener) {
        document.addEventListener(tb, function () {
            document.removeEventListener(tb, arguments.callee, false);
            vb();
        }, false);
        window.addEventListener("load", function () {
            document.removeEventListener("load", arguments.callee, false);
            vb();
        }, false);
    } else if (document.attachEvent) {
        if (self !== self.top) {
            document.attachEvent(tb, function () {
                if (document.readyState === 'complete') {
                    document.detachEvent(tb, arguments.callee);
                    vb();
                }
            });
        } else {
            var wb = function () {
                try {
                    document.documentElement.doScroll('left');
                    vb();
                } catch (xb) {
                    setTimeout(wb, 13);
                }
            };
            wb();
        }
    } else {
        if (document.readyState === "complete") {
            vb();
        }
    }
})();
mboxSignaler = function (yb, J) {
    this.J = J;
    var zb = J.getCookieNames('signal-');
    for (var j = 0; j < zb.length; j++) {
        var Ab = zb[j];
        var Bb = J.getCookie(Ab).split('&');
        var Y = yb(Bb[0], Bb);
        Y.load();
        J.deleteCookie(Ab);
    }
}

mboxSignaler.prototype.signal = function (Cb, ab) {
    this.J.setCookie('signal-' + Cb, mboxShiftArray(arguments).join('&'), 45 * 60);
};

mboxList = function () {
    this.F = new Array();
};

mboxList.prototype.add = function (Y) {
    if (Y != null) {
        this.F[this.F.length] = Y;
    }
};

mboxList.prototype.get = function (ab) {
    var B = new mboxList();
    for (var j = 0; j < this.F.length; j++) {
        var Y = this.F[j];
        if (Y.getName() == ab) {
            B.add(Y);
        }
    }
    return B;
};

mboxList.prototype.getById = function (Db) {
    return this.F[Db];
};

mboxList.prototype.length = function () {
    return this.F.length;
};

mboxList.prototype.each = function (p) {
    if (typeof p != 'function') {
        throw 'Action must be a function, was: ' + typeof (p);
    }
    for (var j = 0; j < this.F.length; j++) {
        p(this.F[j]);
    }
};

mboxLocatorDefault = function (g) {
this.g = 'mboxMarker-' + g;
document.write('<div id="' + this.g + '" style="visibility:hidden;display:none">&nbsp;</div>');}

mboxLocatorDefault.prototype.locate = function () {
  var Eb = document.getElementById(this.g);
  while (Eb != null) {
    if (Eb.nodeType == 1) {
      if (Eb.className == 'mboxDefault') {
        return Eb;
      }
    }
    Eb = Eb.previousSibling;
  }
  return null;
};

mboxLocatorDefault.prototype.force = function () {
  var Fb = document.createElement('div');
  Fb.className = 'mboxDefault';
  var Gb = document.getElementById(this.g);
  Gb.parentNode.insertBefore(Fb, Gb);
  return Fb;
};

mboxLocatorNode = function (Hb) {
  this.Eb = Hb;
};

mboxLocatorNode.prototype.locate = function () {
  return typeof this.Eb == 'string' ? document.getElementById(this.Eb) : this.Eb;
};

mboxLocatorNode.prototype.force = function () {
  return null;
};

mboxCreate = function (ab) {
  var Y = mboxFactoryDefault.create(ab, mboxShiftArray(arguments));
  if (Y) {
    Y.load();
  }
  return Y;
};

mboxDefine = function (kb, ab) {
  var Y = mboxFactoryDefault.create(ab, mboxShiftArray(mboxShiftArray(arguments)), kb);
  return Y;
};

mboxUpdate = function (ab) {
  mboxFactoryDefault.update(ab, mboxShiftArray(arguments));
};

mbox = function (g, Ib, w, Jb, nb) {
  this.Kb = null;
  this.Lb = 0;
this.mb = Jb;
this.nb = nb;
this.Mb = null;
this.Nb = new mboxOfferContent();
this.Fb = null;
this.w = w;
this.message = ";
this.Ob = new Object();
this.Pb = 0;
this.Ib = Ib;
this.g = g;
this.Qb();
w.addParameter('mbox', g).addParameter('mboxId', Ib);
this.Rb = function () { }
this.Sb = function () { }
this.Tb = null;
};
mbox.prototype.getId = function () {
  return this.Ib;
};
mbox.prototype.Qb = function () {
  if (this.g.length > 250) {
    throw "Mbox Name " + this.g + " exceeds max length of " + "250 characters.";
  } else if (this.g.match(/\s+/g)) {
    throw "Mbox Name " + this.g + " has leading/trailing whitespace(s).";
  }
};
mbox.prototype.getName = function () {
  return this.g;
};
mbox.prototype.getParameters = function () {
  var c = this.w.getParameters();
  var B = new Array();
  for (var j = 0; j < c.length; j++) {
    if (c[j].name.indexOf('mbox') != 0) {
      B[B.length] = c[j].name + '=' + c[j].value;
    }
  }
  return B;
};
mbox.prototype.setOnLoad = function (p) {
  this.Sb = p;
  return this;
};
mbox.prototype.setMessage = function (ob) {
  this.message = ob;
  return this;
};
mbox.prototype.setOnError = function (Rb) {
    this.Rb = Rb;
    return this;
};
mbox.prototype.setFetcher = function (Ub) {
    if (this.Mb) {
        this.Mb.cancel();
    }
    this.Mb = Ub;
    return this;
};
mbox.prototype.getFetcher = function () {
    return this.Mb;
};
mbox.prototype.load = function (c) {
    if (this.Mb == null) {
        return this;
    }
    this.setEventTime("load.start");
    this.cancelTimeout();
    this.Lb = 0;
    var w = (c && c.length > 0) ? this.w.clone().addParameters(c) : this.w;
    this.Mb.fetch(w);
    var X = this;
    this.Vb = setTimeout(function () {
        X.Rb('browser timeout', X.Mb.getType());
        }, 15000);
    this.setEventTime("load.end");
    return this;
};
mbox.prototype.loaded = function () {
    this.cancelTimeout();
    if (!this.activate()) {
        var X = this;
        setTimeout(function () {
            X.loaded();
            }, 100);
    }
};
mbox.prototype.activate = function () {
    if (this.Lb) {
        return this.Lb;
    }
    this.setEventTime('activate' + ++this.Pb + '.start');
    if (this.show()) {
        this.cancelTimeout();
        this.Lb = 1;
    }
}
this.setEventTime('activate' + this.Pb + '.end');
return this.Lb;
};
mbox.prototype.isActivated = function () {
    return this.Lb;
};
mbox.prototype.setOffer = function (Nb) {
    if (Nb && Nb.show && Nb.setOnLoad) {
        this.Nb = Nb;
    } else {
        throw 'Invalid offer';
    }
    return this;
};
mbox.prototype.getOffer = function () {
    return this.Nb;
};
mbox.prototype.show = function () {
    this.setEventTime('show.start');
    var B = this.Nb.show(this);
    this.setEventTime(B == 1 ? "show.end.ok" : "show.end");
    return B;
};
mbox.prototype.showContent = function (Wb) {
    if (Wb == null) {
        return 0;
    }
    if (this.Fb == null || !this.Fb.parentNode) {
        this.Fb = this.getDefaultDiv();
        if (this.Fb == null) {
            return 0;
        }
    }
    if (this.Fb != Wb) {
        this.Xb(this.Fb);
        this.Fb.parentNode.replaceChild(Wb, this.Fb);
        this.Fb = Wb;
    }
    this.Yb(Wb);
    this.Sb();
    return 1;
};
mbox.prototype.hide = function () {
    this.setEventTime('hide.start');
    var B = this.showContent(this.getDefaultDiv());
    this.setEventTime(B == 1 ? 'hide.end.ok' : 'hide.end.fail');
    return B;
};
mbox.prototype.finalize = function () {
    this.setEventTime('finalize.start');
    this.cancelTimeout();
    if (this.getDefaultDiv() == null) {
        if (this.mb.force() !== null) {
            this.setMessage('No default content, an empty one has been added');
        } else {
            this.setMessage('Unable to locate mbox');
        }
    }
    if (!this.activate()) {
        this.hide();
        this.setEventTime('finalize.end.hide');
    }
    this.setEventTime('finalize.end.ok');
};
mbox.prototype.cancelTimeout = function () {
    if (this.Vb) {
        clearTimeout(this.Vb);
    }
    if (this.Mb !== null) {
        this.Mb.cancel();
    }
};
mbox.prototype.getDiv = function () {
    return this.Fb;
};
mbox.prototype.getDefaultDiv = function () {
    if (this.Tb === null) {
        this.Tb = this.mb.locate();
    }
    return this.Tb;
};
mbox.prototype.setEventTime = function (Zb) {
    this.Ob[Zb] = (new Date()).getTime();
};
mbox.prototype.getEventTimes = function () {
    return this.Ob;
};
mbox.prototype.getImportName = function () {
    return this.nb;
};
mbox.prototype.getURL = function () {
    return this.w.buildUrl();
};
mbox.prototype.getUrlBuilder = function () {
    return this.w;
};
mbox.prototype._b = function (Fb) {
  return Fb.style.display != 'none';
};
mbox.prototype.Yb = function (Fb) {
  this.ac(Fb, true);
};
mbox.prototype.Xb = function (Fb) {
  this.ac(Fb, false);
};
mbox.prototype.ac = function (Fb, bc) {
  Fb.style.visibility = bc ? "visible" : "hidden";
  Fb.style.display = bc ? "block" : "none";
};
mboxOfferContent = function () {
  this.Sb = function () {};
};
mboxOfferContent.prototype.show = function (Y) {
  var B = Y.showContent(document.getElementById(Y.getImportName()));
  if (B == 1) {
    this.Sb();
  }
  return B;
};
mboxOfferContent.prototype.setOnLoad = function (Sb) {
  this.Sb = Sb;
};
mboxOfferAjax = function (Wb) {
  this.Wb = Wb;
  this.Sb = function () {};
};
mboxOfferAjax.prototype.setOnLoad = function (Sb) {
  this.Sb = Sb;
};
mboxOfferAjax.prototype.show = function (Y) {
  var cc = document.createElement('div');
  cc.id = Y.getImportName();
  cc.innerHTML = this.Wb;
  var B = Y.showContent(cc);
  if (B == 1) {
    this.Sb();
  }
  return B;
};
mboxOfferDefault = function () {
  this.Sb = function () {};
};
mboxOfferDefault.prototype.setOnLoad = function (Sb) {
  this.Sb = Sb;
mboxOfferDefault.prototype.show = function (Y) {
    var B = Y.hide();
    if (B == 1) {
        this.Sb();
    }
    return B;
};
mboxCookieManager = function mboxCookieManager(g, dc) {
    this.g = g;
    this.dc = dc == "" || dc.indexOf('.') == -1 ? '' : '; domain=' + dc;
    this.ec = new mboxMap();
    this.loadCookies();
};
mboxCookieManager.prototype.isEnabled = function () {
    this.setCookie('check', 'true', 60);
    this.loadCookies();
    return this.getCookie('check') == 'true';
};
mboxCookieManager.prototype.setCookie = function (g, h, bb) {
    if (typeof g != 'undefined' && typeof h != 'undefined' && typeof bb != 'undefined') {
        var fc = new Object();
        fc.name = g;
        fc.value = escape(h);
        fc.expireOn = Math.ceil(bb + new Date().getTime() / 1000);
        this.ec.put(g, fc);
        this.saveCookies();
    }
};
mboxCookieManager.prototype.getCookie = function (g) {
    var fc = this.ec.get(g);
    return fc ? unescape(fc.value) : null;
};
mboxCookieManager.prototype.deleteCookie = function (g) {
    this.ec.remove(g);
    this.saveCookies();
};
mboxCookieManager.prototype.getCookieNames = function (gc) {
    var hc = new Array();
    this.ec.each(function (g, fc) {
        if (g.indexOf(gc) == 0) {
            hc[hc.length] = g;
        }
    });
    return hc;
};
mboxCookieManager.prototype.saveCookies = function () {
    var ic = false;
};
var jc = 'disable';
var kc = new Array();
var lc = 0;
this.ec.each(function (g, fc) {
    if (!(lc || g === jc)) {
        kc[kc.length] = g + '#' + fc.value + '#' + fc.expireOn;
        if (lc < fc.expireOn) {
            lc = fc.expireOn;
        }
    }
});
var mc = new Date(lc * 1000);
document.cookie = this.g + '=' + kc.join('|') + '; expires=' + mc.toGMTString() + '; path=/; ' + this.dc;
};

mboxCookieManager.prototype.loadCookies = function () {
    this.ec = new mboxMap();
    var nc = document.cookie.indexOf(this.g + '=');
    if (nc != -1) {
        var oc = document.cookie.indexOf(';', nc);
        if (oc == -1) {
            oc = document.cookie.indexOf(',', nc);
            if (oc == -1) {
                oc = document.cookie.length;
            }
        }
        var pc = document.cookie.substring(nc, oc + 1).split('|');
        var qc = Math.ceil(new Date().getTime() / 1000);
        for (var j = 0; j < pc.length; j++) {
            var fc = pc[j].split('#');
            if (qc <= fc[2]) {
                var rc = new Object();
                rc.name = fc[0];
                rc.value = fc[1];
                rc.expireOn = fc[2];
                this.ec.put(rc.name, rc);
            }
        }
    }
};

mboxSession = function (sc, tc, Ab, uc, J) {
    this.tc = tc;
    this.Ab = Ab;
    this.uc = uc;
    this.J = J;
    this.vc = false;
    this.Ib = typeof mboxForceSessionId != 'undefined' ? mboxForceSessionId : mboxGetPageParameter(this.tc);
    if (this.Ib == null || this.Ib.length == 0) {
        this.Ib = J.getCookie(Ab);
    }
};
if (this.Ib == null || this.Ib.length == 0) {
    this.Ib = sc;
    this.vc = true;
}
}
J.setCookie(Ab, this.Ib, uc);
};
mboxSession.prototype.getId = function () {
    return this.Ib;
};
mboxSession.prototype.forceId = function (wc) {
    this.Ib = wc;
    this.J.setCookie(this.Ab, this.Ib, this.uc);
};
mboxPC = function (Ab, uc, J) {
    this.Ab = Ab;
    this.uc = uc;
    this.J = J;
    this.Ib = typeof mboxForcePCId != 'undefined' ? mboxForcePCId : J.getCookie(Ab);
    if (this.Ib != null) {
        J.setCookie(Ab, this.Ib, uc);
    }
};
mboxPC.prototype.getId = function () {
    return this.Ib;
};
mboxPC.prototype.forceId = function (wc) {
    if (this.Ib != wc) {
        this.Ib = wc;
        this.J.setCookie(this.Ab, this.Ib, this.uc);
        return true;
    }
    return false;
};
mboxGetPageParameter = function (g) {
    var B = null;
    var xc = new RegExp(g + '=(\[\^&]*)');
    var yc = xc.exec(document.location);
    if (yc != null && yc.length >= 2) {
        B = yc[1];
    }
    return B;
};
mboxSetCookie = function (g, h, bb) {
    return mboxFactoryDefault.getCookieManager().setCookie(g, h, bb);
};
mboxGetCookie = function (g) {
    return mboxFactoryDefault.getCookieManager().getCookie(g);
}
mboxCookiePageDomain = function () {
    var dc = (/\([^:]*(:[0-9]{0,5})?)\).exec(document.location.host)[1];
    var zc = /[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}/;
    if (!zc.exec(dc)) {
        var Ac = (/\([^\.]\+\.[^\.]\{3}\)[^\.]\+\.[^\.]\+\.[^\.]\{2}\$\).exec(dc);
        if (Ac) {
            dc = Ac[0];
        }
    }
    return dc ? dc : "";
};
mboxShiftArray = function (Bc) {
    var B = new Array();
    for (var j = 1; j < Bc.length; j++) {
        B[B.length] = Bc[j];
    }
    return B;
};
mboxGenerateId = function () {
    return (new Date()).getTime() + "." + Math.floor(Math.random() * 999999);
};
mboxScreenHeight = function () {
    return screen.height;
};
mboxScreenWidth = function () {
    return screen.width;
};
mboxBrowserWidth = function () {
};
mboxBrowserHeight = function () {
    return (window.innerHeight) ? window.innerHeight : document.documentElement.clientHeight: document.body.clientHeight;
};
mboxBrowserTimeOffset = function () {
    return -new Date().getTimezoneOffset();
};
mboxScreenColorDepth = function () {
    return screen.pixelDepth;
};
if (typeof mboxVersion == 'undefined') {
    var mboxVersion = 41;
    var mboxFactories = new mboxMap();
    var mboxFactoryDefault = new mboxFactory('britishskybroadcasti.tt.omtrdc.net', 'britishskybroadcasti', 'default');
};
if (mboxGetPageParameter("mboxDebug") != null || mboxFactoryDefault.getCookieManager().getCookie("debug")
!= null) {
    setTimeout(function () {
        if (typeof mboxDebugLoaded == 'undefined') {
            alert('Could not load the remote debug. Please check your connection' + ' to Test&Target servers);
        }
    }, 60 * 60);
    document.write('<' + 'scr' + 'ipt language="Javascript1.2" src=' + ""http://admin5.testandtarget.omniture.com/admin/mbox/mbox_debug.jsp?mboxServerHost=britishskybroadcasti.tt.omtrdc.net' + '&clientCode=britishskybroadcasti">'</ + '/scr' + 'ipt>');}
;mboxScPluginFetcher = function (b, Cc) {
    this.b = b;
    this.Cc = Cc;
};
mboxScPluginFetcher.prototype.Dc = function (w) {
    w.setBasePath('/m2/' + this.b + '/sc/standard');
    this.Ec(w);
    var e = w.buildUrl();
    e += '&scPluginVersion=1';
    return e;
};
mboxScPluginFetcher.prototype.Ec = function (w) {
    for (var j = 0; j < Fc.length; j++) {
        this.Gc(Fc[j], w);
    } for (var j = 1; j <= 75; j++) {
        this.Gc('prop' + j, w);
        this.Gc('eVar' + j, w);
        this.Gc('hier' + j, w);
    }
};
mboxScPluginFetcher.prototype.Gc = function (g, w) {
    var h = this.Cc[g];
    if (typeof (h) === 'undefined' || h === null || h === '') {
        return;
    }
    w.addParameter(g, h);
};
mboxScPluginFetcher.prototype.cancel = function () {};

Open Source Used In CSPC_Collector 2.9.1 27513
mboxScPluginFetcher.prototype.fetch = function (w) {
    w.setServerType(this.getType());
    var e = this.Dc(w);
    this.x = document.createElement('script');
    this.x.src = e;
    document.body.appendChild(this.x);
};
mboxScPluginFetcher.prototype.getType = function () {
    return 'ajax';
};

function mboxLoadSCPlugin(Cc) {
    if (!Cc) {
        return null;
    }
    Cc.m_tt = function (Cc) {
        var Hc = Cc.m_i('tt');
        Hc.H = true;
        Hc.b = 'britishskybroadcasti';
        Hc['_t'] = function () {
            if (!this.isEnabled()) {
                return;
            }
            var Y = this.Jc();
            if (Y) {
                var Ub = new mboxScPluginFetcher(this.b, this.s);
                Y.setFetcher(Ub);
                Y.load();
            }
        }
        Hc.isEnabled = function () {
            return this.H && mboxFactoryDefault.isEnabled();
        };
        Hc.Jc = function () {
            var ab = this.Kc();
            var Fb = document.createElement('DIV');
            return mboxFactoryDefault.create(ab, new Array(), Fb);
        };
        Hc.Kc = function () {
            var Lc = this.s.events && this.s.events.indexOf('purchase') != -1;
            return 'SiteCatalyst: ' + (Lc ? 'purchase' : 'event');
        };
        return Cc.loadModule('tt');
    }
    var mboxTrack = function (mbox, params) {
        var m, u, i, f = mboxFactoryDefault;
        if (f.isEnabled()) {
if (f.getMboxes().length() > 0) {
    m = f.getMboxes().getById(0);
    u = m.getURL().replace("mbox=" + escape(m.getName()), "mbox=" + mbox).replace("/undefined", "/ajax").replace("mboxPage=" + f.getPageId(), "mboxPage=" + mboxGenerateId()) + '&amp;' + params, i = new Image();
    i.style.display = 'none';
    i.src = u;
    document.body.appendChild(i)
} else {
    mboxTrackDefer(mbox, params)
}
}
}
}, mboxTrackDefer = function (mbox, params) {
    var f = mboxFactoryDefault;
    if (f.isEnabled()) {
        mboxFactoryDefault.getSignaler().signal(mbox, mbox + '&amp;' + params)
    }
}, mboxTrackLink = function (mbox, params, url) {
    mboxTrack(mbox, params);
    setTimeout("location='" + url + '", 500)
};

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-target-gz/skyglobal-web-toolkit-010d7cd/app/static/lib/testandtarget.js
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-target-gz/skyglobal-web-toolkit-010d7cd/_site/static/lib/testandtarget.js
No license file was found, but licenses were detected in source scan.

/*!
* jQuery.tabbable 1.0 - Simple utility for selecting the next / previous ':tabbable' element.
* https://github.com/marklagendijk/jQuery.tabbable
*
* Includes ':tabbable' and ':focusable' selectors from jQuery UI Core
*
* Copyright 2013, Mark Lagendijk
* Released under the MIT license
* */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-target-gz/skyglobal-web-toolkit-010d7cd/_site/test/libraries/jquery.tabbable.js
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-target-gz/skyglobal-web-toolkit-010d7cd/test/libraries/jquery.tabbable.js
No license file was found, but licenses were detected in source scan.

/*
RequireJS 2.1.9 Copyright (c) 2010-2012, The Dojo Foundation All Rights Reserved.
Available via the MIT or new BSD license.
see: http://github.com/jrburke/requirejs for details
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-geba0644-targ-
gz/skyglobal-web-toolkit-010d7cd/app/static/lib/require-2.1.9.min.js
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-geba0644-targ-
gz/skyglobal-web-toolkit-010d7cd/_site/static/lib/require-2.1.9.min.js
No license file was found, but licenses were detected in source scan.

/*! 
* mocha 
* Copyright(c) 2011 TJ Holowaychuk <tj@vision-media.ca> 
* MIT Licensed 
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-geba0644-targ-
gz/skyglobal-web-toolkit-010d7cd/test/libraries/mocha.js
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-geba0644-targ-
gz/skyglobal-web-toolkit-010d7cd/_site/test/libraries/mocha.js
No license file was found, but licenses were detected in source scan.

/*! 
* jQuery JavaScript Library v1.10.2 
* http://jquery.com/ 
* 
* Includes Sizzle.js 
* http://sizzlejs.com/ 
* 
* Copyright 2005, 2013 jQuery Foundation, Inc. and other contributors 
* Released under the MIT license 
* http://jquery.org/license 
* 
* Date: 2013-07-03T13:48Z 
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-geba0644-targ-
gz/skyglobal-web-toolkit-010d7cd/_site/static/lib/jquery-1.10.2.js
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-geba0644-targ-
gz/skyglobal-web-toolkit-010d7cd/app/static/lib/jquery-1.10.2.js
No license file was found, but licenses were detected in source scan.

/*! 
* classList.js: Cross-browser full element.classList implementation. 
* 2014-01-31
*/
* By Eli Grey, http://eligrey.com
* Public Domain.
* NO WARRANTY EXPRESSED OR IMPLIED. USE AT YOUR OWN RISK.
*/

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-targ-
gz/skyglobal-web-toolkit-010d7cd/_site/src/js/toolkit/utils/polyfill.js
*/opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-targ-
gz/skyglobal-web-toolkit-010d7cd/_site/toolkit/scripts/toolkit.js
*/opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-targ-
gz/skyglobal-web-toolkit-010d7cd/_site/dist/toolkit/scripts/toolkit.js
*/opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-targ-
gz/skyglobal-web-toolkit-010d7cd/_site/dist/demo/scripts/toolkit.js
*/opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-targ-
gz/skyglobal-web-toolkit-010d7cd/_site/dist/toolkit/scripts/toolkit.js
*/opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-targ-
gz/skyglobal-web-toolkit-010d7cd/app/src/js/toolkit/utils/polyfill.js
No license file was found, but licenses were detected in source scan.

// Backbone may be freely distributed under the MIT license.

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-targ-
gz/skyglobal-web-toolkit-010d7cd/_site/static/lib/backbone-1.1.2.js
*/opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-targ-
gz/skyglobal-web-toolkit-010d7cd/app/static/lib/backbone-1.1.2.js
No license file was found, but licenses were detected in source scan.

// Distributed under the MIT License

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-targ-
gz/skyglobal-web-toolkit-010d7cd/test/libraries/grunt-reporter.js
*/opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-targ-
gz/skyglobal-web-toolkit-010d7cd/test/libraries/grunt-reporter.js
No license file was found, but licenses were detected in source scan.

/* grunticon Stylesheet Loader | https://github.com/filamentgroup/grunticon | (c) 2012 Scott Jehl, Filament Group, Inc. | MIT license. */

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-targ-
gz/skyglobal-web-toolkit-010d7cd/_site/svgs/preview.html
*/opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-targ-
gz/skyglobal-web-toolkit-010d7cd/_site/dist/svgs/preview.html
*/opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-targ-
gz/skyglobal-web-toolkit-010d7cd/_site/dist/svgs/preview.html
No license file was found, but licenses were detected in source scan.

/* grunticon Stylesheet Loader | https://github.com/filamentgroup/grunticon | (c) 2012 Scott Jehl, Filament Group, Inc. | MIT license. */
window.grunticon=function(e){if(e&&3===e.length){var t=document.createElementNS||document.createElementNS("http://www.w3.org/2000/svg","svg").createSVGRect||document.implementation.hasFeature("http://www.w3.org/TR/SVG11/feature#Image","1.1");o=function(o){var r=document.createElement("link"),a=document.getElementsByTagName("script")[0];r.rel="stylesheet",r.href=e[o&&t?0:o?1:2],a.parentNode.insertBefore(r,a)},r=new t.Image;r.onerror=function(){o(!1)},r.onload=function(){o(1===r.width&&1===r.height)},r.src="data:image/gif;base64,R0lGODlhAQABAIAAAAAAAP///ywAAAAAAQABAAACAUwAOw=="};

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-target-skyglobal-web-toolkit-010d7cd/dist/svgs/grunticon.loader.txt
* /opt/ws_local/PERMITS_SQL/1012682189_1598468451.15/0/skyglobal-web-toolkit-v2-3-0-0-gebra0644-target-skyglobal-web-toolkit-010d7cd/_site/dist/svgs/grunticon.loader.txt

No license file was found, but licenses were detected in source scan.

/*
Copyright (C) 2012 Ariya Hidayat <ariya.hidayat@gmail.com>
Copyright (C) 2012 Mathias Bynens <mathias@qiwi.be>
Copyright (C) 2012 Joost-Wim Boekesteijn <joost-wim@boekesteijn.nl>
Copyright (C) 2012 Kris Kowal <kris.kowal@cixar.com>
Copyright (C) 2012 Yusuke Suzuki <utatane.tea@gmail.com>
Copyright (C) 2012 Arpad Borsos <arpad.borsos@googlemail.com>
Copyright (C) 2011 Ariya Hidayat <ariya.hidayat@gmail.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL <COPYRIGHT HOLDER> BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
1.1029 chkconfig 1.11 1.el8

1.1029.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

**GNU GENERAL PUBLIC LICENSE**

**TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.
You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.1030 libtool 2.4.6 25.el8
1.1030.1 Available under license :
@c The GNU Free Documentation License.
center Version 1.3, 3 November 2008

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

display
@url{http://fsf.org/}

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
display

@enumerate 0
@item
PREAMBLE

The purpose of this License is to make a manual, textbook, or other
functional and useful document @dfn{free} in the sense of freedom: to
assure everyone the effective freedom to copy and redistribute it,
with or without modifying it, either commercially or noncommercially.
Secondarily, this License preserves for the author and publisher a way
to get credit for their work, while not being considered responsible
for modifications made by others.

This License is a kind of ``copyleft'', which means that derivative
works of the document must themselves be free in the same sense. It
complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item
APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The `"Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as `"you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A `"Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A `"Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The `"Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The `"Cover Texts" are certain short passages of text that are listed,
as Front-Cover Texts or Back-Cover Texts, in the notice that says that
the Document is released under this License. A Front-Cover Text may
be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy,
represented in a format whose specification is available to the
general public, that is suitable for revising the document
straightforwardly with generic text editors or (for images composed of
pixels) generic paint programs or (for drawings) some widely available
drawing editor, and that is suitable for input to text formatters or
for automatic translation to a variety of formats suitable for input
to text formatters. A copy made in an otherwise Transparent file
format whose markup, or absence of markup, has been arranged to thwart
or discourage subsequent modification by readers is not Transparent.
An image format is not Transparent if used for any substantial amount
of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain
ASCII without markup, TeXinfo input format, LaTeX input
format, SGML or XML using a publicly available
DTD, and standard-conforming simple HTML,
PostScript or PDF designed for human modification. Examples
of transparent image formats include PNG, XCF and
JPEG. Opaque formats include proprietary formats that can be
read and edited only by proprietary word processors, SGML or
XML for which the DTD and/or processing tools are
not generally available, and the machine-generated HTML,
PostScript or PDF produced by some word processors for
output purposes only.

The "Title Page" means, for a printed book, the title page itself,
plus such following pages as are needed to hold, legibly, the material
this License requires to appear in the title page. For works in
formats which do not have any title page as such, "Title Page" means
the text near the most prominent appearance of the work's title,
preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies
of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose
title either is precisely XYZ or contains XYZ in parentheses following
text that translates XYZ in another language. (Here XYZ stands for a
specific section name mentioned below, such as "Acknowledgements",
"Dedications", "Endorsements", or "History"). To "Preserve the Title"
of such a section when you modify the Document means that it remains a
section "Entitled XYZ" according to this definition.
The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item
VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item
COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using
public has access to download using public-standard network protocols
a complete Transparent copy of the Document, free of added material.
If you use the latter option, you must take reasonably prudent steps,
when you begin distribution of Opaque copies in quantity, to ensure
that this Transparent copy will remain thus accessible at the stated
location until at least one year after the last time you distribute an
Opaque copy (directly or through your agents or retailers) of that
dition to the public.

It is requested, but not required, that you contact the authors of the
Document well before redistributing any large number of copies, to give
them a chance to provide you with an updated version of the Document.

@item
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under
the conditions of sections 2 and 3 above, provided that you release
the Modified Version under precisely this License, with the Modified
Version filling the role of the Document, thus licensing distribution
and modification of the Modified Version to whoever possesses a copy
of it. In addition, you must do these things in the Modified Version:

@enumerate A
@item
Use in the Title Page (and on the covers, if any) a title distinct
from that of the Document, and from those of previous versions
(which should, if there were any, be listed in the History section
of the Document). You may use the same title as a previous version
if the original publisher of that version gives permission.

@item
List on the Title page, as authors, one or more persons or entities
responsible for authorship of the modifications in the Modified
Version, together with at least five of the principal authors of the
Document (all of its principal authors, if it has fewer than five),
unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the
Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications
adjacent to the other copyright notices.
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

Include an unaltered copy of this License.

Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

Do not retitle any existing section to be Entitled "Endorsements" or
to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties—such as statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original
author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

@item
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item
TRANSLATION

Translation is considered a kind of modification, so you may
distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item  
TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item  
FUTURE REVISIONS OF THIS LICENSE
The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License ``or any later version'' applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RELICENSING

``Massive Multiauthor Collaboration Site'' (or ``MMC Site'') means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A ``Massive Multiauthor Collaboration'' (or ``MMC'') contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA'' means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate'' means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is ``eligible for relicensing'' if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.
ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

```
(C) year your name.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled ``GNU Free Documentation License''.
```

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ``with Texts.'': line with this:

```
with the Invariant Sections being list their titles, with the Front-Cover Texts being list, and with the Back-Cover Texts being list.
```

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

Local Variables:
ispell-local-pdict: "ispell-dict"
End:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999
Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the
library, and (2) we offer you this license, which gives you legal
permission to copy, distribute and/or modify the library.
To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in
non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.
1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of Sections
1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
distribution of the source code, even though third parties are not
compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program
except as expressly provided under this License. Any attempt
otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it.
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.1031 spring-jms 4.3.30.RELEASE
1.1031.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2012 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/core/MessageCreator.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/MessageEOFException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/JmsSecurityException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/support/JmsUtils.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/MessageFormatException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/TransactionInProgressException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/connection/SmartConnectionFactory.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/InvalidClientIDException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/listener/adapter/ListenerExecutionFailedException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/IllegalStateException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/support/destination/DestinationResolver.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/ResourceAllocationException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/connection/SynchedLocalTransactionFailedException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/TransactionRolledBackException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/remoting/JmsInvokerServiceExporter.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/connection/ChainedExceptionListener.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/listener/SessionAwareMessageListener.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/support/destination/JndiDestinationResolver.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/support/converter/MessageConversionException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/MessageNotWriteableException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/NoSuchElementException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/remoting/JmsInvokerProxyFactoryBean.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/connection/SessionProxy.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/support/destination/DestinationResolutionException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/InvalidDestinationException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/connection/CachedMessageConsumer.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/core/support/JmsGatewaySupport.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2005 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/core/MessagePostProcessor.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2015 the original author or authors.
 * 
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
Open Source Used In CSPC_Collector 2.9.1

No license file was found, but licenses were detected in source scan.

/ *
/ Copyright 2002-2014 the original author or authors.
/ *
/ Licensed under the Apache License, Version 2.0 (the "License");
/ you may not use this file except in compliance with the License.
/ You may obtain a copy of the License at
/ *
/     https://www.apache.org/licenses/LICENSE-2.0
/ *
/ Unless required by applicable law or agreed to in writing, software
/ distributed under the License is distributed on an "AS IS" BASIS,
/ WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
/ See the License for the specific language governing permissions and
/ limitations under the License.
/ */

Found in path(s):
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/support/destination/DynamicDestinationResolver.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/config/ListenerConfigUtils.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/listener/adapter/ReplyFailureException.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/listener/endpoint/JmsActivationSpecConfig.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/annotation/JmsBootstrapConfiguration.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/listener/endpoint/JmsMessageEndpointManager.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/listener/MessageListenerContainer.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/listener/adapter/JmsResponse.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/connection/CachedMessageProducer.java

No license file was found, but licenses were detected in source scan.
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2017 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/support/JmsHeaders.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/core/SessionCallback.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/connection/JmsTransactionManager.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/listener/AbstractPollingMessageListenerContainer.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2016 the original author or authors.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 *      https://www.apache.org/licenses/LICENSE-2.0
 * 
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/support/destination/BeanFactoryDestinationResolver.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/config/JmsListenerEndpointRegistrar.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/listener/adapter/AbstractAdaptableMessageListener.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/listener/endpoint/StandardJmsActivationSpecFactory.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/core/BrowserCallback.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/core/ProducerCallback.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/support/converter/SmartMessageConverter.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/listener/adapter/MessagingMessageListenerAdapter.java
*/
/*
 * Copyright 2002-2006 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2008 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

No license file was found, but licenses were detected in source scan.
Found in path(s):
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-
  jar/org/springframework/jms/listener/SubscriptionNameProvider.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-
  jar/org/springframework/jms/listener/LocallyExposedJmsResourceHolder.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2019 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*      https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-
  jar/org/springframework/jms/listener/endpoint/DefaultJmsActivationSpecFactory.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-
  jar/org/springframework/jms/listener/DefaultMessageListenerContainer.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2007 the original author or authors.
* 
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
* 
*      https://www.apache.org/licenses/LICENSE-2.0
* 
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2002-2018 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *    https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/support/converter/SimpleMessageConverter.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/config/AbstractJmsListenerContainerFactory.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/config/AbstractListenerContainerParser.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/connection/TransactionAwareConnectionFactoryProxy.java
* /opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1-jar/org/springframework/jms/support/JmsMessageHeaderAccessor.java
No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2009 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
*   https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
  */opt/cola/permits/1137994116_1614192780.58/0/spring-jms-4-3-30-release-sources-1.jar/org/springframework/jms/support/converter/MessageType.java

No license file was found, but licenses were detected in source scan.

/*
* Copyright 2002-2020 the original author or authors.
*
* Licensed under the Apache License, Version 2.0 (the "License");
* you may not use this file except in compliance with the License.
* You may obtain a copy of the License at
*
*   https://www.apache.org/licenses/LICENSE-2.0
*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
1.1032 libdaemon 0.14 15.el8

1.1032.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations
below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse
You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with
11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).
To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

--- Part 1: Sparta, Inc (BSD) -----
Copyright (c) 2003-2010, Sparta, Inc
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice,
  this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

* Neither the name of Sparta, Inc nor the names of its contributors may
  be used to endorse or promote products derived from this software
  without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS
IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO,
The implied warranties of merchantability and fitness for a particular
purpose are DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS;
OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR
OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF
ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 2: ScienceLogic, LLC (BSD) ----

Copyright (c) 2006, ScienceLogic, LLC
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice,
  this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

* Neither the name of ScienceLogic, LLC nor the names of its contributors may be used to endorse or promote products derived
from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Various copyrights apply to this package, listed in various separate parts below. Please make sure that you read all the parts.

---- Part 1: CMU/UCD copyright notice: (BSD like) -----


Copyright 1996, 1998-2000 The Regents of the University of California

All Rights Reserved

Permission to use, copy, modify and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appears in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of CMU and The Regents of the University of California not be used in advertising or publicity pertaining to distribution of the software without specific written permission.

CMU AND THE REGENTS OF THE UNIVERSITY OF CALIFORNIA DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL CMU OR THE REGENTS OF THE UNIVERSITY OF CALIFORNIA BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM THE LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

---- Part 2: Networks Associates Technology, Inc copyright notice (BSD) -----

Open Source Used In CSPC_Collector 2.9.1 27576
Copyright (c) 2001-2003, Networks Associates Technology, Inc
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice,
  this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

* Neither the name of the Networks Associates Technology, Inc nor the
  names of its contributors may be used to endorse or promote
  products derived from this software without specific prior written
  permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS
IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS;
OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR
OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF
ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 3: Cambridge Broadband Ltd. copyright notice (BSD) ------

Portions of this code are copyright (c) 2001-2003, Cambridge Broadband Ltd.
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice,
  this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

* The name of Cambridge Broadband Ltd. may not be used to endorse or
  promote products derived from this software without specific prior
  written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 4: Sun Microsystems, Inc. copyright notice (BSD) -----

Copyright (c) 2003 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.

Use is subject to license terms below.

This distribution may include materials developed by third parties.

Sun, Sun Microsystems, the Sun logo and Solaris are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Sun Microsystems, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS;
OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 5: Sparta, Inc copyright notice (BSD) -----

Copyright (c) 2003-2013, Sparta, Inc
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Sparta, Inc nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS `AS IS` AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 6: Cisco/BUPTNIC copyright notice (BSD) -----

Copyright (c) 2004, Cisco, Inc and Information Network Center of Beijing University of Posts and Telecommunications.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Cisco, Inc, Beijing University of Posts and Telecommunications, nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 7: Fabasoft R&D Software GmbH & Co KG copyright notice (BSD) -----

Copyright (c) Fabasoft R&D Software GmbH & Co KG, 2003
oss@fabasoft.com
Author: Bernhard Penz <bernhard.penz@fabasoft.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* The name of Fabasoft R&D Software GmbH & Co KG or any of its subsidiaries, brand or product names may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 8: Apple Inc. copyright notice (BSD) -----

Copyright (c) 2007 Apple Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of Apple Inc. ("Apple") nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY APPLE AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL APPLE OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 9: ScienceLogic, LLC copyright notice (BSD) -----

Copyright (c) 2009, ScienceLogic, LLC
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of ScienceLogic, LLC nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 10: Lennart Poettering copyright notice (BSD-like) -----

Copyright 2010 Lennart Poettering

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

---- Part 11: IETF copyright notice (BSD) -----

Copyright (c) 2013 IETF Trust and the persons identified as authors of
the code. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Internet Society, IETF or IETF Trust, nor the names of specific contributors, may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 12: Arista Networks copyright notice (BSD) ----

Copyright (c) 2013, Arista Networks, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Arista Networks, Inc. nor the names of its contributors may be used to endorse or promote products derived
from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS `AS IS' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 13: VMware, Inc. copyright notice (BSD) -----

Copyright (c) 2016, VMware, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of VMware, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS `AS IS' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 14: USC/Information Sciences Institute copyright notice (BSD) -----

--- Open Source Used In CSPC_Collector 2.9.1 27584 ---
Copyright (c) 2017-2018, Information Sciences Institute
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice,
  this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright
  notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

* Neither the name of Information Sciences Institute nor the names of its
  contributors may be used to endorse or promote products derived from
  this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS `AS
IS' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,
EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS;
OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,
WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR
OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF
ADvised OF THE POSSIBILITY OF SUCH DAMAGE.

MIBs included in this software taken from IETF Documents are considered
Code Components in accordance with the IETF Trust License Policy, as found
here:

http://trustee.ietf.org/license-info/

They are available under the terms of the Simplified BSD license, a copy of
which is included below.

*****

Copyright (c) 2013 IETF Trust and the persons identified as authors of
the code. All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimer.
Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Internet Society, IETF or IETF Trust, nor the names of specific contributors, may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS AS IS AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

LICENSE ISSUES
==============

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts. Actually both licenses are BSD-style Open Source licenses. In case of any license issues related to OpenSSL please contact openssl-core@openssl.org.

OpenSSL License
---------------

/* ====================================================================
 * Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved.
 * *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * *
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions and the following disclaimer.
 * *
 * 2. Redistributions in binary form must reproduce the above copyright
 * notice, this list of conditions and the following disclaimer in
 * the documentation and/or other materials provided with the
 * distribution.
 */
3. All advertising materials mentioning features or use of this software must display the following acknowledgment:
   "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/)

4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org.

5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following acknowledgment:
   "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/)

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

Original SSLeay License

===============

/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com) All rights reserved. */

/* This package is an SSL implementation written by Eric Young (eay@cryptsoft.com). */
The implementation was written so as to conform with Netscape's SSL.

This library is free for commercial and non-commercial use as long as
the following conditions are adhered to. The following conditions
apply to all code found in this distribution, be it the RC4, RSA,
Ihash, DES, etc., code; not just the SSL code. The SSL documentation
included with this distribution is covered by the same copyright terms
except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in
the code are not to be removed.
If this package is used in a product, Eric Young should be given attribution
as the author of the parts of the library used.
This can be in the form of a textual message at program startup or
in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software
   must display the following acknowledgement:
   "This product includes cryptographic software written by
   Eric Young (eay@cryptsoft.com)"
The word 'cryptographic' can be left out if the routines from the library
being used are not cryptographic related :-).
4. If you include any Windows specific code (or a derivative thereof) from
   the apps directory (application code) you must include an acknowledgement:
   "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

The licence and distribution terms for any publically available version or
derivative of this code cannot be changed. i.e. this code cannot simply be
1.1034 commons-digester 3.2

1.1034.1 Available under license:

Apache Commons Digester
Copyright 2001-2011 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.
To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.1035 javax-annotation-api 1.2

1.1035.1 Available under license :

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.
1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.
2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.


You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN .AS IS. BASIS, WITHOUT
WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant,) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a .commercial item. as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of
.commercial computer software. (as that term is defined at 48 C.F.R. \( \equiv \) 252.227-7014(a)(1)) and .commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.
1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more
than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding
source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software
interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This
alternative is allowed only for noncommercial distribution and only if you received the program in object code or
executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable
work, complete source code means all the source code for all modules it contains, plus any associated interface
definition files, plus the scripts used to control compilation and installation of the executable. However, as a special
exception, the source code distributed need not include anything that is normally distributed (in either source or
binary form) with the major components (compiler, kernel, and so on) of the operating system on which the
executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering
equivalent access to copy the source code from the same place counts as distribution of the source code, even though
third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License.
Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically
terminate your rights under this License. However, parties who have received copies, or rights, from you under this
License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you
permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do
not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program),
you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or
modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives
a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions.
You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not
responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited
to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict
the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as
to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a
consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-
free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only
way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the
section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest
validity of any such claims; this section has the sole purpose of protecting the integrity of the free software
distribution system, which is implemented by public license practices. Many people have made generous
contributions to the wide range of software distributed through that system in reliance on consistent application of
that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other
system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted
interfaces, the original copyright holder who places the Program under this License may add an explicit
geographical distribution limitation excluding those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this
License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time
to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new
problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License
which applies to it and "any later version", you have the option of following the terms and conditions either of that
version or of any later version published by the Free Software Foundation. If the Program does not specify a version
number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are
different, write to the author to ask for permission. For software which is copyrighted by the Free Software
Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be
guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the
sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE
PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE
STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM
"AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT
NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY
COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE
PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL,
SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY
TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF
THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER
PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Sun Microsystems, Inc. are subject to the following clarification and special exception to the GPL Version 2, but only where Sun has expressly included in the particular source file's header the words

"Sun designates this particular file as subject to the "Classpath" exception as provided by Sun in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

1.1036 saxpath 1.0-FCS

1.1036.1 Available under license:

No license file was found, but licenses were detected in source scan.

/*
 * $Header: /cvsroot/saxpath/saxpath/src/java/main/org/saxpath/Operator.java,v 1.5 2002/04/26 17:05:34 jstrachan Exp $
 * $Revision: 1.5 $
 * $Date: 2002/04/26 17:05:34 $
 * *
 * ====================================================================
 * *
 * Copyright (C) 2000-2002 werken digital.
 * All rights reserved.
 * *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * *
 * 1. Redistributions of source code must retain the above copyright
 * notice, this list of conditions, and the following disclaimer.
 */
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions, and the disclaimer that follows
   these conditions in the documentation and/or other materials
   provided with the distribution.

3. The name "SAXPath" must not be used to endorse or promote products
   derived from this software without prior written permission. For
   written permission, please contact license@saxpath.org.

4. Products derived from this software may not be called "SAXPath", nor
   may "SAXPath" appear in their name, without prior written permission
   from the SAXPath Project Management (pm@saxpath.org).

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
"This product includes software developed by the
SAXPath Project (http://www.saxpath.org/)."
Alternatively, the acknowledgment may be graphical using the logos
available at http://www.saxpath.org/

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the SAXPath Project and was originally
created by bob mcwhirter <bob@werken.com> and
James Strachan <jstrachan@apache.org>. For more information on the
SAXPath Project, please see <http://www.saxpath.org/>.

$Id: Operator.java,v 1.5 2002/04/26 17:05:34 jstrachan Exp$

Found in path(s):
/ opt/ cola/ permits/ 11 11238015_ 1606882887. 13/ 0/ saxpath-1-0- fcs-sources-1-jar/ org/ saxpath/ Operator. java
No license file was found, but licenses were detected in source scan.

/*
 * $Header: /cvsroot/saxpath/saxpath/src/java/main/org/saxpath/XPathSyntaxException.java,v 1.5 2002/04/26
 * 17:05:34 jstrachan Exp $
 * $Revision: 1.5 $
 * $Date: 2002/04/26 17:05:34 $
 *
 * ====================================================================
 *
 * Copyright (C) 2000-2002 werken digital.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 *
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions, and the following disclaimer.
 *
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions, and the disclaimer that follows
 *    these conditions in the documentation and/or other materials
 *    provided with the distribution.
 *
 * 3. The name "SAXPath" must not be used to endorse or promote products
 *    derived from this software without prior written permission.  For
 *    written permission, please contact license@saxpath.org.
 *
 * 4. Products derived from this software may not be called "SAXPath", nor
 *    may "SAXPath" appear in their name, without prior written permission
 *    from the SAXPath Project Management (pm@saxpath.org).
 *
 * In addition, we request (but do not require) that you include in the
 * end-user documentation provided with the redistribution and/or in the
 * software itself an acknowledgement equivalent to the following:
 *   "This product includes software developed by the
 *    SAXPath Project (http://www.saxpath.org)."
 *
 * Alternatively, the acknowledgment may be graphical using the logos
 * available at http://www.saxpath.org/
 *
 * THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
 * WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
 * OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
 * DISCLAIMED.  IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT
 * CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
 * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
 * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF


/* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
 * ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
 * OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
 * OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
 * SUCH DAMAGE.
 */

/* This software consists of voluntary contributions made by many
 * individuals on behalf of the SAXPath Project and was originally
 * created by bob mcwhirter <bob@werken.com> and
 * James Strachan <jstrachan@apache.org>. For more information on the
 * SAXPath Project, please see <http://www.saxpath.org/>.
 */

$Id: XPathSyntaxException.java,v 1.5 2002/04/26 17:05:34 jstrachan Exp $

/*
* $Revision: 1.11 $
* $Date: 2002/04/26 17:05:34 $
*
* ====================================================================
*
* Copyright (C) 2000-2002 werken digital.
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions, and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions, and the disclaimer that follows
*    these conditions in the documentation and/or other materials
*    provided with the distribution.
* 3. The name "SAXPath" must not be used to endorse or promote products
*    derived from this software without prior written permission. For
*    written permission, please contact license@saxpath.org.
* */
4. Products derived from this software may not be called "SAXPath", nor may "SAXPath" appear in their name, without prior written permission from the SAXPath Project Management (pm@saxpath.org).

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the SAXPath Project (http://www.saxpath.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.saxpath.org/

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the SAXPath Project and was originally created by bob mcwhirter <bob@werken.com> and James Strachan <jstrachan@apache.org>. For more information on the SAXPath Project, please see <http://www.saxpath.org/>.

$Id: XPathHandler.java,v 1.11 2002/04/26 17:05:34 jstrachan Exp $

This software consists of voluntary contributions made by many individuals on behalf of the SAXPath Project and was originally created by bob mcwhirter <bob@werken.com> and James Strachan <jstrachan@apache.org>. For more information on the SAXPath Project, please see <http://www.saxpath.org/>.

$Id: XPathReader.java,v 1.4 2002/04/26 17:05:34 jstrachan Exp $

$Header: /cvsroot/saxpath/saxpath/src/java/main/org/saxpath/XPathReader.java,v 1.4 2002/04/26 17:05:34 jstrachan Exp $

Copyright (C) 2000-2002 werken digital.
* All rights reserved.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions, and the following disclaimer.
* 
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions, and the disclaimer that follows
* these conditions in the documentation and/or other materials
* provided with the distribution.
* 
* 3. The name "SAXPath" must not be used to endorse or promote products
* derived from this software without prior written permission. For
* written permission, please contact license@saxpath.org.
* 
* 4. Products derived from this software may not be called "SAXPath", nor
* may "SAXPath" appear in their name, without prior written permission
* from the SAXPath Project Management (pm@saxpath.org).
* 
* In addition, we request (but do not require) that you include in the
* end-user documentation provided with the redistribution and/or in the
* software itself an acknowledgement equivalent to the following:
* "This product includes software developed by the
* SAXPath Project (http://www.saxpath.org/)."
* Alternatively, the acknowledgment may be graphical using the logos
* available at http://www.saxpath.org/
* 
* THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT
* CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
* 
* ====================================================================
* This software consists of voluntary contributions made by many
* individuals on behalf of the SAXPath Project and was originally
* created by bob mcwhirter <bob@werken.com> and
* James Strachan <jstrachan@apache.org>. For more information on the
* SAXPath Project, please see <http://www.saxpath.org/>.
* 
* $Id: XPathReader.java,v 1.4 2002/04/26 17:05:34 jstrachan Exp$
* /

Found in path(s):
* /opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-jar/org/saxpath/XPathReader.java
No license file was found, but licenses were detected in source scan.

/*! 
* $Header: /cvroot/saxpath/saxpath/src/java/main/com/werken/saxpath/Token.java,v 1.3 2002/04/26 17:05:34 jstrachan Exp$
* $Revision: 1.3$
* $Date: 2002/04/26 17:05:34$
* 
* ==============================================================
* 
* Copyright (C) 2000-2002 werken digital.
* All rights reserved.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions, and the following disclaimer.
* 
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions, and the disclaimer that follows
* these conditions in the documentation and/or other materials
* provided with the distribution.
* 
* 3. The name "SAXPath" must not be used to endorse or promote products
* derived from this software without prior written permission. For
* written permission, please contact license@saxpath.org.
* 
* 4. Products derived from this software may not be called "SAXPath", nor
* may "SAXPath" appear in their name, without prior written permission
* from the SAXPath Project Management (pm@saxpath.org).
* 
* In addition, we request (but do not require) that you include in the
* end-user documentation provided with the redistribution and/or in the
* software itself an acknowledgement equivalent to the following:
* "This product includes software developed by the
* SAXPath Project (http://www.saxpath.org/)."
* Alternatively, the acknowledgment may be graphical using the logos
* available at http://www.saxpath.org/
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT
* CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* ===================================================================================
* This software consists of voluntary contributions made by many
* individuals on behalf of the SAXPath Project and was originally
* created by bob mcwhirter <bob@werken.com> and
* James Strachan <jstrachan@apache.org>. For more information on the
* SAXPath Project, please see <http://www.saxpath.org/>.
* *
* $Id: Token.java,v 1.3 2002/04/26 17:05:34 jstrachan Exp $
* */

Found in path(s):
* /opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-jar/com/werken/saxpath/Token.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /cvsroot/saxpath/saxpath/src/java/main/org/saxpath/SAXPathParseException.java,v 1.3 2002/04/26
17:05:34 jstrachan Exp $
* $Revision: 1.3 $
* $Date: 2002/04/26 17:05:34 $
* *
* ===================================================================================
* *
* Copyright (C) 2000-2002 werken digital.
* All rights reserved.
* *
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* *
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions, and the following disclaimer.
*
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions, and the disclaimer that follows
* these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "SAXPath" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact license@saxpath.org.

4. Products derived from this software may not be called "SAXPath", nor may "SAXPath" appear in their name, without prior written permission from the SAXPath Project Management (pm@saxpath.org).

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the SAXPath Project (http://www.saxpath.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.saxpath.org/

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the SAXPath Project and was originally created by bob mcwhirter <bob@werken.com> and James Strachan <jstrachan@apache.org>. For more information on the SAXPath Project, please see <http://www.saxpath.org/>.

$Id: SAXPathParseException.java,v 1.3 2002/04/26 17:05:34 jstrachan Exp $

Found in path(s):
/opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-jar/org/saxpath/SAXPathParseException.java

No license file was found, but licenses were detected in source scan.

$Header: /cvsroot/saxpath/saxpath/src/java/main/com/werken/saxpath/XPathLexer.java,v 1.10 2002/04/26
Copyright (C) 2000-2002 werken digital.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "SAXPath" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact license@saxpath.org.

4. Products derived from this software may not be called "SAXPath", nor may "SAXPath" appear in their name, without prior written permission from the SAXPath Project Management (pm@saxpath.org).

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the SAXPath Project (http://www.saxpath.org)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.saxpath.org/

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
* 
* ==============================================================
* This software consists of voluntary contributions made by many
* individuals on behalf of the SAXPath Project and was originally
* created by bob mcwhirter <bob@werken.com> and
* James Strachan <jstrachan@apache.org>. For more information on the
* SAXPath Project, please see <http://www.saxpath.org/>.
* 
* $Id: XPathLexer.java,v 1.10 2002/04/26 17:05:34 jstrachan Exp $
* /

Found in path(s):
* /opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-
  jar/com/werken/saxpath/XPathLexer.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /cvsroot/saxpath/saxpath/src/java/main/org/saxpath/helpers/XPathReaderFactory.java,v 1.7 2002/04/26
  17:05:34 jstrachan Exp $
* $Revision: 1.7 $
* $Date: 2002/04/26 17:05:34 $
* 
* ==============================================================
* 
* Copyright (C) 2000-2002 werken digital.
* All rights reserved.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions, and the following disclaimer.
* 
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions, and the disclaimer that follows
* these conditions in the documentation and/or other materials
* provided with the distribution.
* 
* 3. The name "SAXPath" must not be used to endorse or promote products
* derived from this software without prior written permission. For
* written permission, please contact license@saxpath.org.
* 
* 4. Products derived from this software may not be called "SAXPath", nor
* may "SAXPath" appear in their name, without prior written permission
* from the SAXPath Project Management (pm@saxpath.org).
* 
*
* In addition, we request (but do not require) that you include in the
* end-user documentation provided with the redistribution and/or in the
* software itself an acknowledgement equivalent to the following:
*    "This product includes software developed by the
*    SAXPath Project (http://www.saxpath.org/)."
* Alternatively, the acknowledgment may be graphical using the logos
* available at http://www.saxpath.org/
* *
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT
* CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
* *
* ====================================================================
* This software consists of voluntary contributions made by many
* individuals on behalf of the SAXPath Project and was originally
* created by bob mcwhirter <bob@werken.com> and
* James Strachan <jstrachan@apache.org>. For more information on the
* SAXPath Project, please see <http://www.saxpath.org/>.
* *
* $Id: XPathReaderFactory.java,v 1.7 2002/04/26 17:05:34 jstrachan Exp $
* /

Found in path(s):
* /opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-
* jar/org/saxpath/helpers/XPathReaderFactory.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /cvsroot/saxpath/saxpath/src/java/main/org/saxpath/SAXPathEventSource.java,v 1.2 2002/04/26
* 17:05:34 jstrachan Exp $
* $Revision: 1.2 $
* $Date: 2002/04/26 17:05:34 $
* *
* ==============================================================
* *
* Copyright (C) 2000-2002 werken digital.
* All rights reserved.
* *
* Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright
notice, this list of conditions, and the disclaimer that follows
these conditions in the documentation and/or other materials
provided with the distribution.

3. The name "SAXPath" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact license@saxpath.org.

4. Products derived from this software may not be called "SAXPath", nor
may "SAXPath" appear in their name, without prior written permission
from the SAXPath Project Management (pm@saxpath.org).

In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
"This product includes software developed by the
SAXPath Project (http://www.saxpath.org)."
Alternatively, the acknowledgment may be graphical using the logos
available at http://www.saxpath.org/

THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

This software consists of voluntary contributions made by many
individuals on behalf of the SAXPath Project and was originally
created by bob mcwhirter <bob@werken.com> and
James Strachan <jstrachan@apache.org>. For more information on the
SAXPath Project, please see <http://www.saxpath.org/>.

$Id: SAXPathEventSource.java,v 1.2 2002/04/26 17:05:34 jstrachan Exp $
Found in path(s):
* /opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-
  jar/org/saxpath/SAXPathEventSource.java
No license file was found, but licenses were detected in source scan.

/*
 */
  17:05:34 jstrachan Exp $
* $Revision: 1.22 $
* $Date: 2002/04/26 17:05:34 $
* 
* ====================================================================
* 
* Copyright (C) 2000-2002 werken digital.
* All rights reserved.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions, and the following disclaimer.
* 
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions, and the disclaimer that follows
*    these conditions in the documentation and/or other materials
*    provided with the distribution.
* 
* 3. The name "SAXPath" must not be used to endorse or promote products
*    derived from this software without prior written permission. For
*    written permission, please contact license@saxpath.org.
* 
* 4. Products derived from this software may not be called "SAXPath", nor
*    may "SAXPath" appear in their name, without prior written permission
*    from the SAXPath Project Management (pm@saxpath.org).
* 
* In addition, we request (but do not require) that you include in the
* end-user documentation provided with the redistribution and/or in the
* software itself an acknowledgement equivalent to the following:
* 
* "This product includes software developed by the
* SAXPath Project (http://www.saxpath.org)."
* 
* Alternatively, the acknowledgment may be graphical using the logos
* available at http://www.saxpath.org/
*
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* 3. The name "SAXPath" must not be used to endorse or promote products
derived from this software without prior written permission. For
written permission, please contact license@saxpath.org.
*
* 4. Products derived from this software may not be called "SAXPath", nor
may "SAXPath" appear in their name, without prior written permission
from the SAXPath Project Management (pm@saxpath.org).
*
* In addition, we request (but do not require) that you include in the
end-user documentation provided with the redistribution and/or in the
software itself an acknowledgement equivalent to the following:
*  "This product includes software developed by the
SAXPath Project (http://www.saxpath.org/).
Alternatively, the acknowledgment may be graphical using the logos
available at http://www.saxpath.org/
*
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.
*
* ==========================================================================
* This software consists of voluntary contributions made by many
* individuals on behalf of the SAXPath Project and was originally
* created by bob mcwhirter <bob@werken.com> and
* James Strachan <jstrachan@apache.org>. For more information on the
* SAXPath Project, please see <http://www.saxpath.org/>.
*
* $Id: DefaultXPathHandler.java,v 1.8 2002/04/26 17:05:34 jstrachan Exp $
*/

Found in path(s):
* /opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-
jar/com/werken/saxpath/DefaultXPathHandler.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /cvsroot/saxpath/saxpath/src/java/main/org/saxpath/Axis.java,v 1.11 2002/04/26 17:05:34 jstrachan Exp $
* $Revision: 1.11 $
* $Date: 2002/04/26 17:05:34 $
* 
* ====================================================================

* Copyright (C) 2000-2002 werken digital.
* All rights reserved.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions, and the following disclaimer.
* 
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions, and the disclaimer that follows
* these conditions in the documentation and/or other materials
* provided with the distribution.
* 
* 3. The name "SAXPath" must not be used to endorse or promote products
* derived from this software without prior written permission. For
* written permission, please contact license@saxpath.org.
* 
* 4. Products derived from this software may not be called "SAXPath", nor
* may "SAXPath" appear in their name, without prior written permission
* from the SAXPath Project Management (pm@saxpath.org).
* 
* In addition, we request (but do not require) that you include in the
* end-user documentation provided with the redistribution and/or in the
* software itself an acknowledgement equivalent to the following:
* "This product includes software developed by the
* SAXPath Project (http://www.saxpath.org/)."
* Alternatively, the acknowledgment may be graphical using the logos
* available at http://www.saxpath.org/
* 
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT
* CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
This software consists of voluntary contributions made by many individuals on behalf of the SAXPath Project and was originally created by bob mcwhirter <bob@werken.com> and James Strachan <jstrachan@apache.org>. For more information on the SAXPath Project, please see <http://www.saxpath.org/>.

$Id: Axis.java,v 1.11 2002/04/26 17:05:34 jstrachan Exp $

No license file was found, but licenses were detected in source scan.

/*
* $Header: /cvsroot/saxpath/saxpath/src/java/main/org/saxpath/SAXPathException.java,v 1.3 2002/04/26 17:05:34 jstrachan Exp $
* $Revision: 1.3 $
* $Date: 2002/04/26 17:05:34 $
*
* //====================================================================
*
* Copyright (C) 2000-2002 werken digital.
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions, and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions, and the disclaimer that follows
* these conditions in the documentation and/or other materials
* provided with the distribution.
* 3. The name "SAXPath" must not be used to endorse or promote products
* derived from this software without prior written permission. For
* written permission, please contact license@saxpath.org.
* 4. Products derived from this software may not be called "SAXPath", nor
* may "SAXPath" appear in their name, without prior written permission
* from the SAXPath Project Management (pm@saxpath.org).
*
* In addition, we request (but do not require) that you include the
* end-user documentation provided with the redistribution and/or in the
*
* software itself an acknowledgement equivalent to the following:
* "This product includes software developed by the
* SAXPath Project (http://www.saxpath.org)."
* Alternatively, the acknowledgment may be graphical using the logos
* available at http://www.saxpath.org/
*
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT
* CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* ====================================================================
*
* This software consists of voluntary contributions made by many
* individuals on behalf of the SAXPath Project and was originally
* created by bob mcwhirter <bob@werken.com> and
* James Strachan <jstrachan@apache.org>. For more information on the
* SAXPath Project, please see <http://www.saxpath.org/>.
*
* $Id: SAXPathException.java,v 1.3 2002/04/26 17:05:34 jstrachan Exp $
*/

Found in path(s):
* /opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-
  jar/org/saxpath/SAXPathException.java
No license file was found, but licenses were detected in source scan.

/*
 * $Header: /cvsroot/saxpath/saxpath/src/java/main/org/saxpath/conformance/ConformanceXPathHandler.java,v 1.8
 * 2002/04/26 17:05:34 jstrachan Exp $
 * $Revision: 1.8 $
 * $Date: 2002/04/26 17:05:34 $
 * *
 * ====================================================================
 *
 * Copyright (C) 2000-2002 werken digital.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the disclaimer that follows these conditions in the documentation and/or other materials provided with the distribution.

3. The name "SAXPath" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact license@saxpath.org.

4. Products derived from this software may not be called "SAXPath", nor may "SAXPath" appear in their name, without prior written permission from the SAXPath Project Management (pm@saxpath.org).

In addition, we request (but do not require) that you include in the end-user documentation provided with the redistribution and/or in the software itself an acknowledgement equivalent to the following:

"This product includes software developed by the SAXPath Project (http://www.saxpath.org/)."

Alternatively, the acknowledgment may be graphical using the logos available at http://www.saxpath.org/


THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the SAXPath Project and was originally created by bob mcwhirter <bob@werken.com> and James Strachan <jstrachan@apache.org>. For more information on the SAXPath Project, please see <http://www.saxpath.org/>.

$Id: ConformanceXPathHandler.java,v 1.8 2002/04/26 17:05:34 jstrachan Exp $
Open Source Used In CSPC_Collector 2.9.1 27624

Found in path(s):
* /opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-jar/org/saxpath/conformance/ConformanceXPathHandler.java

No license file was found, but licenses were detected in source scan.

/*
* $Header: /cvsroot/saxpath/saxpath/src/java/main/com/werken/saxpath/TokenTypes.java,v 1.4 2002/04/26 17:05:34 jstrachan Exp $
* $Revision: 1.4 $
* $Date: 2002/04/26 17:05:34 $
* 
* ====================================================================
* 
* Copyright (C) 2000-2002 werken digital.
* All rights reserved.
* 
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 
* 1. Redistributions of source code must retain the above copyright
*    notice, this list of conditions, and the following disclaimer.
* 
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions, and the disclaimer that follows
*    these conditions in the documentation and/or other materials
*    provided with the distribution.
* 
* 3. The name "SAXPath" must not be used to endorse or promote products
*    derived from this software without prior written permission. For
*    written permission, please contact license@saxpath.org.
* 
* 4. Products derived from this software may not be called "SAXPath", nor
*    may "SAXPath" appear in their name, without prior written permission
*    from the SAXPath Project Management (pm@saxpath.org).
* 
* In addition, we request (but do not require) that you include in the
* end-user documentation provided with the redistribution and/or in the
* software itself an acknowledgement equivalent to the following:
*    "This product includes software developed by the
*    SAXPath Project (http://www.saxpath.org/)."
* Alternatively, the acknowledgment may be graphical using the logos
* available at http://www.saxpath.org/
* 
* THIS SOFTWARE IS PROVIDED ``AS IS'' AND ANY EXPRESSED OR IMPLIED
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
* DISCLAIMED. IN NO EVENT SHALL THE SAXPath AUTHORS OR THE PROJECT
* CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
* SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
* LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF
* USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,
* OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
* OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* ====================================================================
* This software consists of voluntary contributions made by many
* individuals on behalf of the SAXPath Project and was originally
* created by bob mcwhirter <bob@werken.com> and
* James Strachan <jstrachan@apache.org>. For more information on the
* SAXPath Project, please see <http://www.saxpath.org/>.
* *
* $Id: TokenTypes.java,v 1.4 2002/04/26 17:05:34 jstrachan Exp $
* />

Found in path(s):
* /opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-
  jar/com/werken/saxpath/TokenTypes.java

1.1037 api-ldap-schema-converter 1.0.2
1.1037.1 Available under license :

Apache Directory LDAP API Schema Converter
Copyright 2003-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

This software includes code generated by ANTLR 2.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and limitations under the License.
ANTLR 2 License

ANTLR 2 License

We reserve no legal rights to the ANTLR--it is fully in the public domain. An individual or company may do whatever they wish with source code distributed with ANTLR or the code generated by ANTLR, including the incorporation of ANTLR, or its output, into commercial software.

We encourage users to develop software with ANTLR. However, we do ask that credit is given to us for developing ANTLR. By "credit", we mean that if you use ANTLR or incorporate any source code into one of your programs (commercial product, research project, or otherwise) that you acknowledge this fact somewhere in the documentation, research report, etc... If you like ANTLR and have developed a nice tool with the output, please mention that you developed it using ANTLR. In addition, we ask that the headers remain intact in our source code. As long as these guidelines are kept, we expect to continue enhancing this system and expect to make other tools available as they are completed.

1.1038 javax-json 1.0.4

1.1039 javax.security.auth.message

1.0.0.v201108011116

1.1039.1 Available under license:

Java Authentication SPI for Containers
Copyright 2003-2009 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
1.1040 google-api-client 1.22.0

1.1041 mingw-crt 5.0.2-2.el8

1.1041.1 Available under license:

This program is free software; you can redistribute it and/or modify it
under the terms of the GNU General Public License (GPL) as published by
the Free Software Foundation; either version 2 of the License, or (at
your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

*** NOTE ***

In accordance with section 10 of the GPL, Red Hat permits programs whose
sources are distributed under a license that complies with the Open
Source definition to be linked with libcygwin.a without libcygwin.a
itself causing the resulting program to be covered by the GNU GPL.

This means that you can port an Open Source(tm) application to cygwin,
and distribute that executable as if it didn't include a copy of
libcygwin.a linked into it. Note that this does not apply to the cygwin
DLL itself. If you distribute a (possibly modified) version of the DLL
you must adhere to the terms of the GPL, i.e. you must provide sources
for the cygwin DLL.

See http://www.opensource.org/docs/definition_plain.html for the precise Open Source
Definition referenced above.

Red Hat sells a special Cygwin License for customers who are unable to
provide their application in open source code form. For more
information, please see: http://www.redhat.com/software/tools/cygwin/,
or call 866-2REDHAT ext. 3007
Copyright (c) 2011 mingw-w64 project
Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in
all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING
FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER
DEALINGS IN THE SOFTWARE.

/*
 * Parts of this library are derived by:
 *
 * Posix Threads library for Microsoft Windows
 *
 * Use at own risk, there is no implied warranty to this code.
 * It uses undocumented features of Microsoft Windows that can change
 * at any time in the future.
 *
 * (C) 2010 Lockless Inc.
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without modification,
 * are permitted provided that the following conditions are met:
 *
 * * Redistributions of source code must retain the above copyright notice,
 * this list of conditions and the following disclaimer.
 * * Redistributions in binary form must reproduce the above copyright notice,
 * this list of conditions and the following disclaimer in the documentation
 * and/or other materials provided with the distribution.
 * * Neither the name of Lockless Inc. nor the names of its contributors may be
 * used to endorse or promote products derived from this software without
 * specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AN
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
 * WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
 * DISCLAIMED.
* IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
* INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING,
* BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
* LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE
* OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
* OF THE POSSIBILITY OF SUCH DAMAGE.

*/

With exception of certain parts that are prominently marked as being
in the Public Domain, BSD, or LGPL this Software is provided under the
Zope Public License (ZPL) Version 2.1.

Copyright (c) 2009 - 2013 by the mingw-w64 project

See the AUTHORS file for the list of contributors to the mingw-w64 project.

This license has been certified as open source. It has also been designated
as GPL compatible by the Free Software Foundation (FSF).

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions in source code must retain the accompanying copyright
   notice, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the accompanying
   copyright notice, this list of conditions, and the following disclaimer
   in the documentation and/or other materials provided with the
   distribution.
3. Names of the copyright holders must not be used to endorse or promote
   products derived from this software without prior written permission
   from the copyright holders.
4. The right to distribute this software or to use it for any purpose does
   not give you the right to use Servicemarks (sm) or Trademarks (tm) of
   the copyright holders. Use of them is covered by separate agreement
   with the copyright holders.
5. If any files are modified, you must cause the modified files to carry
   prominent notices stating that you changed the files and the date of
   any change.

Disclaimer

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS ``AS IS'' AND ANY EXPRESSED
OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO
EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA,
OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

MinGW-w64 runtime licensing

***************************

This program or library was built using MinGW-w64 and statically linked against the MinGW-w64 runtime. Some parts of the runtime are under licenses which require that the copyright and license notices are included when distributing the code in binary form. These notices are listed below.

========================

Overall copyright notice

========================

Copyright (c) 2009, 2010, 2011, 2012, 2013 by the mingw-w64 project

This license has been certified as open source. It has also been designated as GPL compatible by the Free Software Foundation (FSF).

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source code must retain the accompanying copyright notice, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the accompanying copyright notice, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Names of the copyright holders must not be used to endorse or promote products derived from this software without prior written permission from the copyright holders.
4. The right to distribute this software or to use it for any purpose does not give you the right to use Servicemarks (sm) or Trademarks (tm) of the copyright holders. Use of them is covered by separate agreement with the copyright holders.
5. If any files are modified, you must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

Disclaimer

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS ``AS IS'' AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

========================================
g getopt, getopt_long, and getopt_long_only
========================================

Copyright (c) 2002 Todd C. Miller <Todd.Miller@courtesan.com>

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Sponsored in part by the Defense Advanced Research Projects Agency (DARPA) and Air Force Research Laboratory, Air Force Materiel Command, USAF, under agreement number F39502-99-1-0512.

*       *       *       *       *       *       *

Copyright (c) 2000 The NetBSD Foundation, Inc.
All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Dieter Baron and Thomas Klausner.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED
TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

===============================================================
gdtoa: Converting between IEEE floating point numbers and ASCII
===============================================================

The author of this software is David M. Gay.

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the name of Lucent or any of its entities not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

LUCENT DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL LUCENT OR ANY OF ITS ENTITIES BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

*       *       *       *       *       *       *

The author of this software is David M. Gay.

Copyright (C) 2005 by David M. Gay
All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted,
provided that the above copyright notice appear in all copies and that
both that the copyright notice and this permission notice and warranty
disclaimer appear in supporting documentation, and that the name of
the author or any of his current or former employers not be used in
advertising or publicity pertaining to distribution of the software
without specific, written prior permission.

THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,
INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN
NO EVENT SHALL THE AUTHOR OR ANY OF HIS CURRENT OR FORMER EMPLOYERS BE
LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY
DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS,
WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION,
ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS
SOFTWARE.

*       *       *       *       *       *       *

The author of this software is David M. Gay.

Copyright (C) 2004 by David M. Gay.
All Rights Reserved
Based on material in the rest of /netlib/fp/gdota.tar.gz,
which is copyright (C) 1998, 2000 by Lucent Technologies.

Permission to use, copy, modify, and distribute this software and
its documentation for any purpose and without fee is hereby
granted, provided that the above copyright notice appear in all
copies and that both that the copyright notice and this
permission notice and warranty disclaimer appear in supporting
documentation, and that the name of Lucent or any of its entities
not be used in advertising or publicity pertaining to
distribution of the software without specific, written prior
permission.

LUCENT DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE,
INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS.
IN NO EVENT SHALL LUCENT OR ANY OF ITS ENTITIES BE LIABLE FOR ANY
SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES
WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER
IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION,
ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF
THIS SOFTWARE.

=========================  Parts of the math library  =========================
Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunSoft, a Sun Microsystems, Inc. business. Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

*       *       *       *       *       *       *

Copyright (C) 1993 by Sun Microsystems, Inc. All rights reserved.

Developed at SunPro, a Sun Microsystems, Inc. business. Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

*       *       *       *       *       *       *

FIXME: Cephes math lib
Copyright (C) 1984-1998 Stephen L. Moshier

It sounds vague, but as to be found at <http://lists.debian.org/debian-legal/2004/12/msg00295.html>, it gives an impression that the author could be willing to give an explicit permission to distribute those files e.g. under a BSD style license. So probably there is no problem here, although it could be good to get a permission from the author and then add a license into the Cephes files in MinGW runtime. At least on follow-up it is marked that debian sees the version a-like BSD one. As MinGW.org (where those cephes parts are coming from) distributes them now over 6 years, it should be fine.

==========================================================================
Headers and IDLs imported from Wine
==========================================================================

Some header and IDL files were imported from the Wine project. These files are prominent made in source. Their copyright belongs to contributors and they are distributed under LGPL license.

Disclaimer

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.
/*
This Software is provided under the Zope Public License (ZPL) Version 2.1.

Copyright (c) 2009, 2010 by the mingw-w64 project

See the AUTHORS file for the list of contributors to the mingw-w64 project.

This license has been certified as open source. It has also been designated
as GPL compatible by the Free Software Foundation (FSF).

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions in source code must retain the accompanying copyright
   notice, this list of conditions, and the following disclaimer.
2. Redistributions in binary form must reproduce the accompanying
   copyright notice, this list of conditions, and the following disclaimer
   in the documentation and/or other materials provided with the
distribution.
3. Names of the copyright holders must not be used to endorse or promote
   products derived from this software without prior written permission
   from the copyright holders.
4. The right to distribute this software or to use it for any purpose does
   not give you the right to use Servicemarks (sm) or Trademarks (tm) of
   the copyright holders. Use of them is covered by separate agreement
   with the copyright holders.
5. If any files are modified, you must cause the modified files to carry
   prominent notices stating that you changed the files and the date of
   any change.

Disclaimer

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS ``AS IS'' AND ANY EXPRESSED
OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO
EVENT SHALL THE COPYRIGHT HOLDERS BE LIABLE FOR ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA,
OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF
LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE,
EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

MinGW-w64 licensing
 *******************
The copyright and license notices have been divided in two files:
The notices in COPYING.MinGW-w64.txt (this file) apply only to
MinGW-w64 itself. These don't apply to the binaries built with
MinGW-w64 unless you specifically tell MinGW-w64 to link against
these parts, for example, by enabling profiling code.

In addition to the notices in this file, also the notices in
COPYING.MinGW-w64-runtime.txt apply to MinGW-w64. Some (possibly
all) notices in that file may apply also to the binaries built with
this version of MinGW-w64. The idea is that if you create binary
packages of your software with MinGW-w64, you can simply copy
COPYING.MinGW-w64-runtime.txt into your package to fulfill the
license requirements of the MinGW runtime.

If you think that not all notices apply to your package and want to
remove some of them, note that, for example, the gdtoa files always
get linked in if you use any printf-like function. So usually it is
easiest and safest to just keep all the notices.

====================
GCC and GNU binutils
====================

Copyright (C) Free Software Foundation
License: GNU GPLv3+ (see the file COPYING.GPLv3)

====================
Profiling code
====================

License: GNU GPLv2+ (see the file COPYING.GPLv2)

* * * * * * * *

The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:
1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.

4. Neither the name of the University nor the names of its contributors
   may be used to endorse or promote products derived from this software
   without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
SUCH DAMAGE.

=======================
DirectX and DDK headers
=======================

DirectX and DDK headers are under GNU LGPLv2.1+ (see the file
COPYING.LGPLv2.1) and copyrighted by various people. Using these
headers doesn't make LGPLv2.1 apply to your code, because these
headers files contain only data structure definitions, short
macros, and short inline functions. Here is the relevant part
from LGPLv2.1 section 5 paragraph 4:

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small
inline functions (ten lines or less in length), then the use
of the object file is unrestricted, regardless of whether it
is legally a derivative work.

=======================
libmangle and gendef
=======================

Copyright (c) 2009 mingw-w64 project

Contributing authors: Kai Tietz, Jonathan Yong

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
the rights to use, copy, modify, merge, publish, distribute, sublicense,
and/or sell copies of the Software, and to permit persons to whom the
Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

====
PSEH
====

Copyright (c) 2004-2008 KJK::Hyperion

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2013 mingw-w64 project

Contributing authors: Rafal Carr

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2004-2008 KJK::Hyperion

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it.
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
      stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in
      whole or in part contains or is derived from the Program or any
      part thereof, to be licensed as a whole at no charge to all third
      parties under the terms of this License.

   c) If the modified program normally reads commands interactivley
      when run, you must cause it, when started running for such
      interactive use in the most ordinary way, to print or display an
      announcement including an appropriate copyright notice and a
      notice that there is no warranty (or else, saying that you provide
      a warranty) and that users may redistribute the program under
      these conditions, and telling the user how to view a copy of this
      License. (Exception: if the Program itself is interactive but
      does not normally print such an announcement, your work based
      on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL.  It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The
former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based
To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.
When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work’s users, your or third parties’ legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.
A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that
copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within
the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.  

Copyright (c) 2009 mingw-w64 project

Contributing authors: Kai Tietz, Jonathan Yong

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

/**
 * DISCLAIMER
 * This file has no copyright assigned and is placed in the Public Domain.
 * This file is part of the mingw-w64 runtime package.
 *
 * The mingw-w64 runtime package and its code is distributed in the hope that it
 * will be useful but WITHOUT ANY WARRANTY. ALL WARRANTIES, EXPRESSED OR
 * IMPLIED ARE HEREBY DISCLAIMED. This includes but is not limited to
 * warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
 */

1.1042 javax-websocket-client-api 1.0
1.1042.1 Available under license:

Found license 'General Public License 2.0' in /* Copyright (c) 2013 Oracle and/or its affiliates. All rights reserved. */ The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use
1.1043 libestr 0.1.10 1.el8

1.1043.1 Available under license:

libestr is available under the terms of the GNU LGPL v2.1 or above (full text below).

-----------------------------------------------------------------------
GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.
To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

   If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

   However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

   When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

   If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

   Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
Normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the
To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

liblognorm, a fast samples-based log normalization library
Copyright (C) 2010 Rainer Gerhards

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Portions of Derby were originally developed by
International Business Machines Corporation and are
licensed to the Apache Software Foundation under the
"Software Grant and Corporate Contribution License Agreement",
informally known as the "Derby CLA".
The following copyright notice(s) were affixed to portions of the code
with which this file is now or was at one time distributed
and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

=========================================================================
The portion of the functionTests under 'nist' was originally
developed by the National Institute of Standards and Technology (NIST),
an agency of the United States Department of Commerce, and adapted by
International Business Machines Corporation in accordance with the NIST
Software Acknowledgment and Redistribution document at
http://www.itl.nist.gov/div897/ctg/sql_form.htm

=========================================================================
The Derby build relies on source files supplied by the Apache Felix
project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.
II. Used Software

This product uses software developed at The OSGi Alliance (http://www.osgi.org/). Copyright (c) OSGi Alliance (2000, 2007). Licensed under the Apache License 2.0.

III. License Summary
- Apache License 2.0
- BSD License

The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects, including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpbarrette/moman/overview/
The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0. See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0. See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin g Package (jaspell): http://jaspell.sourceforge.net/
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)

The snowball stemmers in analysis/common/src/java/net/sf/snowball were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in analysis/common/src/resources/org/apache/lucene/analysis/snowball were developed by Martin Porter and Richard Boulton.
The full snowball package is available from http://snowball.tartarus.org/

The KStem stemmer in analysis/common/src/org/apache/lucene/analysis/en was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:
The Stempel analyzer (*stempel*) includes BSD-licensed software developed by the Egothor project [http://egothor.sf.net/](http://egothor.sf.net/), created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (*stempel*) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in *stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt*. See [http://project.carrot2.org/license.html](http://project.carrot2.org/license.html).

The SmartChineseAnalyzer source code (*smartcn*) was provided by Xiaoping Gao and copyright 2009 by [www.imdict.net](http://www.imdict.net).

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See [http://unicode.org/copyright.html](http://unicode.org/copyright.html) for more details.

The Morfologik analyzer (*morfologik*) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski ([http://morfologik.blogspot.com/](http://morfologik.blogspot.com/)).


Morfologic includes data from BSD-licensed dictionary of Polish (SGIP) ([http://sgjp.pl/morfeusz/](http://sgjp.pl/morfeusz/))

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at [http://www.eclipse.org/jetty/downloads.php](http://www.eclipse.org/jetty/downloads.php)

---

Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

---

This software includes a binary and/or source version of data from

meCab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz
mecab-ipadic-2.7.0-20070801 Notice

Nara Institute of Science and Technology (NAIST),
the copyright holders, disclaims all warranties with regard to this
software, including all implied warranties of merchantability and
fitness, in no event shall NAIST be liable for
any special, indirect or consequential damages or any damages
whatsoever resulting from loss of use, data or profits, whether in an
action of contract, negligence or other tortuous action, arising out
of or in connection with the use or performance of this software.

A large portion of the dictionary entries
originate from ICOT Free Software. The following conditions for ICOT
Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its
original form or modified, to any third party or parties, PROVIDED
that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear
on, or be attached to, the Program, which is distributed substantially
in the same form as set out herein and that such intended
distribution, if actually made, will neither violate or otherwise
contravene any of the laws and regulations of the countries having
jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the
research and development conducted during the project and is provided
to users as so produced on an experimental basis. Accordingly, the
program is provided without any warranty whatsoever, whether express,
implied, statutory or otherwise. The term "warranty" used herein
includes, but is not limited to, any warranty of the quality,
performance, merchantability and fitness for a particular purpose of
the program and the nonexistence of any infringement or violation of
any right of any third party.

Each user of the program will agree and understand, and be deemed to
have agreed and understood, that there is no warranty whatsoever for
the program and, accordingly, the entire risk arising from or
otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other
organization that participated in or was otherwise related to the
development of the program and their respective officials, directors,
officers and other employees shall be held liable for any and all
damages, including, without limitation, general, special, incidental
and consequential damages, arising out of or otherwise in connection
with the use or inability to use the program or any product, material
or result produced or otherwise obtained by using the program,
regardless of whether they have been advised of, or otherwise had
knowledge of, the possibility of such damages at any time during the
project or thereafter. Each user will be deemed to have agreed to the
foregoing by his or her commencement of use of the program. The term
"use" as used herein includes, but is not limited to, the use,
modification, copying and distribution of the program and the
production of secondary products from the program.

In the case where the program, whether in its original form or
modified, was distributed or delivered to or received by a user from
any person, organization or entity other than ICOT, unless it makes or
grants independently of ICOT any specific warranty to the user in
writing, such person, organization or entity, will also be exempted
from and not be held liable to the user for any such damages as noted
above as far as the program is concerned.

========================================================================

The Derby build relies on a jar file supplied by the JSON Simple
project, hosted at https://code.google.com/p/json-simple/.
The JSON simple jar file is licensed under the Apache 2.0 License.
No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.1045 snappy-java 1.1.4

1.1046 crontabs 1.11 16.20150630git.el8
1.1046.1 Available under license:

Public Domain

------------------------------------------------------------------------------

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.
The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as
to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the program's name and an idea of what it does.
Copyright (C) yyyy name of author

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.1047 libcap 2.26 1.el8
1.1047.1 Available under license :

Unless otherwise *explicitly* stated the following text describes the licensed conditions under which the contents of this module release may be distributed:

-------------------------------------------------------------------------
Redistribution and use in source and binary forms of this module, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain any existing copyright notice, and this entire permission notice in its entirety, including the disclaimer of warranties.

2. Redistributions in binary form must reproduce all prior and current copyright notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of any author may not be used to endorse or promote products derived from this software without their specific prior written permission.

ALTERNATIVELY, this product may be distributed under the terms of the GNU Library General Public License, in which case the provisions of the GNU LGPL are required INSTEAD OF the above restrictions. (This clause is necessary due to a potential conflict between the GNU LGPL and the restrictions contained in a BSD-style copyright.)
THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR(S) BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

-------------------------------------------------------------------------

Unless otherwise *explicitly* stated, the following text describes the licensed conditions under which the contents of this libcap release may be used and distributed:

-------------------------------------------------------------------------

Redistribution and use in source and binary forms of libcap, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain any existing copyright notice, and this entire permission notice in its entirety, including the disclaimer of warranties.

2. Redistributions in binary form must reproduce all prior and current copyright notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of any author may not be used to endorse or promote products derived from this software without their specific prior written permission.

ALTERNATIVELY, this product may be distributed under the terms of the GNU General Public License (v2.0 - see below), in which case the provisions of the GNU GPL are required INSTEAD OF the above restrictions. (This clause is necessary due to a potential conflict between the GNU GPL and the restrictions contained in a BSD-style copyright.)

THE SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR(S) BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.1048 commons-codec 1.10
1.1048.1 Available under license:

Apache Commons Codec
Copyright 2002-2014 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java
contains test data from http://aspell.net/test/orig/batch0.tab.
Copyright (C) 2002 Kevin Atkinson (kevina@gnu.org)

===============================================================================

The content of package org.apache.commons.codec.language.bm has been translated from the original php source code available at http://stevemorse.org/phoneticinfo.htm with permission from the original authors.
Original source copyright:
Copyright (c) 2008 Alexander Beider & Stephen P. Morse.
/*
 * Licensed to the Apache Software Foundation (ASF) under one or more
 * contributor license agreements. See the NOTICE file distributed with
 * this work for additional information regarding copyright ownership.
 * The ASF licenses this file to You under the Apache License, Version 2.0
 * (the "License"); you may not use this file except in compliance with
 * the License. You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or
    Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices
    stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works
    that You distribute, all copyright, patent, trademark, and
    attribution notices from the Source form of the Work,
    excluding those notices that do not pertain to any part of
    the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its
    distribution, then any Derivative Works that You distribute must
    include a readable copy of the attribution notices contained
    within such NOTICE file, excluding those notices that do not
    pertain to any part of the Derivative Works, in at least one
    of the following places: within a NOTICE text file distributed
    as part of the Derivative Works; within the Source form or
    documentation, if provided along with the Derivative Works; or,
    within a display generated by the Derivative Works, if and
    wherever such third-party notices normally appear. The contents
    of the NOTICE file are for informational purposes only and
    do not modify the License. You may add Your own attribution
    notices within Derivative Works that You distribute, alongside
    or as an addendum to the NOTICE text from the Work, provided
    that such additional attribution notices cannot be construed
    as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.
Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.1049 jetty-security 9.4.11.v20180605

1.1050 jersey 2.22.2
1.1050.1 Available under license :

/*
 * DO NOT ALTER OR REMOVE COPYRIGHT NOTICES OR THIS HEADER.
 * *
 * Copyright (c) YYYY Oracle and/or its affiliates. All rights reserved.
 * *
 * The contents of this file are subject to the terms of either the GNU
 * General Public License Version 2 only ("GPL") or the Common Development
 * and Distribution License("CDDL") (collectively, the "License"). You
 * may not use this file except in compliance with the License. You can
 * obtain a copy of the License at
 * http://glassfish.java.net/public/CDDL+GPL_1_1.html
 * or packager/legal/LICENSE.txt. See the License for the specific
 * language governing permissions and limitations under the License.
 * *
 * When distributing the software, include this License Header Notice in each
 * file and include the License file at packager/legal/LICENSE.txt.
 * *
 * GPL Classpath Exception:
 * Oracle designates this particular file as subject to the "Classpath"
 * exception as provided by Oracle in the GPL Version 2 section of the License
 * file that accompanied this code.
 * *
 * Modifications:
 * If applicable, add the following below the License Header, with the fields
 * enclosed by brackets [] replaced by your own identifying information:
COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)Version 1.1

1. Definitions.

1.1. "Contributor" means each individual or entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. "Covered Software" means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. "Executable" means the Covered Software in any form other than Source Code.

1.5. "Initial Developer" means the individual or entity that first makes Original Software available under this License.

1.6. "Larger Work" means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. "License" means this document.

1.8. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means the Source Code and Executable form of any of the following:

   A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

   B. Any new file that contains any part of the Original Software or previous Modification; or

   C. Any new file that is contributed or otherwise made available under the terms of this License.
1.10. "Original Software” means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. "Source Code” means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell,
offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.


You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Oracle is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE
6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as “Participant”) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. If You assert a patent infringement claim against Participant alleging that the Participant Software directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting
of "commercial computer software" (as that term is defined at 48 C.F.R. ? 252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

----------

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)
The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its
contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER
PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Oracle are subject to the following clarification and special exception to the GPL Version 2, but only where Oracle has expressly included in the particular source file's header the words "Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

DO NOT TRANSLATE OR LOCALIZE.

%% The following software may be included in this product: ASM
Use of any of this software is governed by the terms of the license below:

Copyright (c) 2000-2005 INRIA, France Telecom
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the copyright holders nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS"
AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
THE POSSIBILITY OF SUCH DAMAGE.

%% The following software may be included in this product: Jettison
Use of any of this software is governed by the terms of the license below:

Copyright 2006 Envi Solutions LLC

Licensed under the Apache License, Version 2.0 (the "License);
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

-------------------------------------------------------------------------

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1
through 9 of this document.

"Licenser" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are
under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or
indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

1. You must give any other recipients of the Work or Derivative Works a copy of this License; and

2. You must cause any modified files to carry prominent notices stating that You changed the files; and

3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or
any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS
APPENDIX: How to apply the Apache License to your work

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

%% The following software may be included in this product: Jackson
Use of any of this software is governed by the terms of the license below:

Jackson is dual-licensed under two alternative popular Open Source licenses: Apache (AL 2.0) and Gnu Lesser GPL (LGPL 2.1). You choose one or the other, as necessary (if you want to redistribute the code for use, you do not need license), and abide by the license rules as defined by the respective license agreement (and only that one).

--------------------------------------------------------------------------

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit)
alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

1. You must give any other recipients of the Work or Derivative Works a copy of this License; and

2. You must cause any modified files to carry prominent notices stating that You changed the files; and

3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or
otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "["] replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner] Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.1051 activemq-amqp 5.16.1

1.1051.1 Available under license:

ActiveMQ :: AMQP
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

   (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

   (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and
1.1052 libassuan 2.5.1 3.el8

1.1052.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based
To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.
When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.
A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product,
doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that
copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within
the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations
below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many
libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is
"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.
You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least
three years, to give the same user the materials specified in
Subsection 6a, above, for a charge no more than the cost of
performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.
It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.
11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and
conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library.
It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.1053 make 4.2.1 9.el8
1.1053.1 Available under license :
@c The GNU Free Documentation License.  
@center Version 1.3, 3 November 2008

@c This file is intended to be included within another document, 
@c hence no sectioning command or @node.
PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document \textit{free} in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of ``copyleft'', which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The ``Document'', below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as ``you''. You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A ``Modified Version'' of the Document means any work containing the Document or a portion of it, either copied verbatim, or with
A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are
not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties; any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item COPYING IN QUANTITY
If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

@item
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate A
@item
Use in the Title Page (and on the covers, if any) a title distinct
from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled ``History'', Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled ``History'' in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions.
it was based on. These may be placed in the "History" section.
You may omit a network location for a work that was published at
least four years before the Document itself, or if the original
publisher of the version it refers to gives permission.

@item
For any section Entitled "Acknowledgements" or "Dedications", Preserve
the Title of the section, and preserve in the section all the
substance and tone of each of the contributor acknowledgements and/or
dedications given therein.

@item
Preserve all the Invariant Sections of the Document,
unaltered in their text and in their titles. Section numbers
or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled "Endorsements". Such a section
may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled "Endorsements" or
to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or
appendices that qualify as Secondary Sections and contain no material
copied from the Document, you may at your option designate some or all
of these sections as invariant. To do this, add their titles to the
list of Invariant Sections in the Modified Version's license notice.
These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains
nothing but endorsements of your Modified Version by various
parties—for example, statements of peer review or that the text has
been approved by an organization as the authoritative definition of a
standard.

You may add a passage of up to five words as a Front-Cover Text, and a
passage of up to 25 words as a Back-Cover Text, to the end of the list
of Cover Texts in the Modified Version. Only one passage of
Front-Cover Text and one of Back-Cover Text may be added by (or
through arrangements made by) any one entity. If the Document already
includes a cover text for the same cover, previously added by you or
by arrangement made by the same entity you are acting on behalf of,
you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled ``History'' in the various original documents, forming one section Entitled ``History''; likewise combine any sections Entitled ``Acknowledgements'', and any sections Entitled ``Dedications''. You must delete all sections Entitled ``Endorsements."

@item
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

@item
AGGREGATION WITH INDEPENDENT WORKS
A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

**TRANSLATION**

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

**TERMINATION**

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license
from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License ``or any later version'' applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item RELICENSING

``Massive Multiauthor Collaboration Site'' (or ``MMC Site'') means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A
``Massive Multiauthor Collaboration'' (or ``MMC'') contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA'' means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate'' means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is ``eligible for relicensing'' if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page
@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled ``GNU Free Documentation License''.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ``with@dots{ ]Texts.'': line with this:

@smallexample
If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.
Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated
interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based
on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's
complete source code as you receive it, in any medium, provided that
you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the
Library.

You may charge a fee for the physical act of transferring a copy,
and you may at your option offer warranty protection in exchange for a
fee.

2. You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

   However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

   When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

   If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

   Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

   You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.
If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Library General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and
"any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.
NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.
To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.
"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of
copyright on the Program, and are irrevocable provided the stated
conditions are met. This License explicitly affirms your unlimited
permission to run the unmodified Program. The output from running a
covered work is covered by this License only if the output, given its
content, constitutes a covered work. This License acknowledges your
rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains
in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you
with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do
not control copyright. Those thus making or running the covered works
for you must do so exclusively on your behalf, under your direction
and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an “aggregate” if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation’s users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product,
doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.
If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:
a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third
paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if
the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the
covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single
combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
even if such holder or other party has been advised of the possibility of
such damages.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read

1.1054 perl-io-socket-ssl 2.066-3.el8
1.1054.1 Available under license:

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a
Package may be copied, such that the Copyright Holder maintains some
semblance of artistic control over the development of the package,
while giving the users of the package the right to use and distribute
the Package in a more-or-less customary fashion, plus the right to make
reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the
Copyright Holder, and derivatives of that collection of files
created through textual modification.
"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.
4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called "undump" or "unexec" methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.

7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the regression tests for the language.
8. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package's interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.1055 objectweb-asm 6.2.0

1.1055.1 Available under license:

<OWNER> = Regents of the University of California
<ORGANIZATION> = University of California, Berkeley
<YEAR> = 1998

In the original BSD license, both occurrences of the phrase "COPYRIGHT HOLDERS AND CONTRIBUTORS" in the disclaimer read "REGENTS AND CONTRIBUTORS".

Here is the license template:

Copyright (c) <YEAR>, <OWNER>

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
Neither the name of the <ORGANIZATION> nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR
1.1056 snmp-4j 2.3.4
1.1056.1 Available under license:
No license file was found, but licenses were detected in source scan.


Found in path(s):
* /opt/cola/permits/1000765672_1607973426.6/0/snmp4j-2-3-0-jar/META-INF/maven/org.snmp4j/snmp4j/pom.xml

1.1057 mingw-filesystem 104-1.el8
1.1057.1 Available under license:
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY
11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.1058 lcms 2.9
1.1058.1 Available under license:

Little CMS
Copyright (c) 1998-2011 Marti Maria Saguer

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated
documentation files (the "Software"), to deal in the Software without restriction, including without limitation the
rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit
persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the
Software.
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

THIS LICENSE APPLIES ONLY TO iccjpeg.c file

In plain English:

1. We don't promise that this software works. (But if you find any bugs, please let us know!)
2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-2013, Thomas G. Lane, Guido Vollbeding. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:
(1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name
in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that
"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

1.1059 javax-inject 2.4.0-b34

1.1060 libcroco 0.6.12 4.el8_2.1

1.1060.1 Available under license :

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.
Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".
A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).
To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.1061 iputils 20180629 2.el8

1.1061.1 Available under license:
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

/*
 * Copyright (c) 1989 The Regents of the University of California.
 * All rights reserved.
 *
 * This code is derived from software contributed to Berkeley by
 * Mike Muuss.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *    notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *    notice, this list of conditions and the following disclaimer in the
 *    documentation and/or other materials provided with the distribution.
 * 3. All advertising materials mentioning features or use of this software
 *    must display the following acknowledgement:
 *    This product includes software developed by the University of
 *    California, Berkeley and its contributors.
 * 4. Neither the name of the University nor the names of its contributors
 *    may be used to endorse or promote products derived from this software
 *    without specific prior written permission.
 *
 * THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ''AS IS'' AND
 * ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
 * IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
 * ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
 * FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
 * DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
reproduce and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.
To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

arping: GPL v2 or later
clockdiff: BSD-3
ninfod: BSD-3
ping: BSD-3
rarp: GPL v2 or later
rdisc: AS-IS, SUN MICROSYSTEMS license
tftpd: BSD-3
tracepath: GPL v2 or later
traceroute: BSD-3

Copyright (C) 2002 USAGI/WIDE Project.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS `AS IS' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.1062 jackson 1.9.13
1.1062.1 Available under license:
Apache License

Version 2.0, January 2004
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to
You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

You must give any other recipients of the Work or Derivative Works a copy of this License; and
You must cause any modified files to carry prominent notices stating that You changed the files; and
You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
If the Work includes a “NOTICE” text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR
CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

1.1063 jetty-memcached-sessions
9.4.11.v20180605

1.1064 groff 1.22.3 18.el8
1.1064.1 Available under license:

   -*- text -*-

AUTHOR
------

Peter Schaffter (peter@schaffter.ca)
3-355 Lafontaine Ave
Vanier (ON) CANADA
K1L 6X6

========================================================================
The groff macro file om.tmac and the html documentation pertaining to it are Copyright (C) 2004-2014 Peter Schaffter.

om.tmac is issued under the GNU General Public License, a full copy of which can be had at
The html documentation pertaining to om.tmac is issued under the GNU Free Documentation License, a full copy of which can be had at

http://www.gnu.org/copyleft/fdl.html

GNU Free Documentation License
Version 1.3, 3 November 2008

<http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document “free” in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of “copyleft”, which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a
world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".
Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.
You may also lend copies, under the same conditions stated above, and you may publicly display copies.

3. COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified
Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

A. Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

B. List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

C. State on the Title page the name of the publisher of the Modified Version, as the publisher.

D. Preserve all the copyright notices of the Document.

E. Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

F. Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

G. Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

H. Include an unaltered copy of this License.

I. Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

J. Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

K. For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

L. Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.

M. Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.
N. Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.
O. Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties--for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of
Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements".

6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

8. TRANSLATION

Translation is considered a kind of modification, so you may
distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

10. FUTURE REVISIONS OF THIS LICENSE
The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See http://www.gnu.org/copyleft/.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

11. RELICENSING

"Massive Multiauthor Collaboration Site" (or "MMC Site") means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A "Massive Multiauthor Collaboration" (or "MMC") contained in the site means any set of copyrightable works thus published on the MMC site.

"CC-BY-SA" means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

"Incorporate" means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is "eligible for relicensing" if it is licensed under this License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.
ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (c) YEAR YOUR NAME.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled “GNU Free Documentation License”.

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with...Texts." line with this:

with the Invariant Sections being LIST THEIR TITLES, with the Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.
@c The GNU Free Documentation License.
center Version 1.3, 3 November 2008

c This file is intended to be included within another document, hence no sectioning command or @node.

display
@uref{http://fsf.org/}

everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
@end display

@enumerate 0
@item
PREAMBLE
The purpose of this License is to make a manual, textbook, or other functional and useful document @dfn{free} in the sense of freedom: to
assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of ``copyleft'', which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

@item

APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The ``Document'', below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as ``you''. You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A ``Modified Version'' of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A ``Secondary Section'' is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The ``Invariant Sections'' are certain Secondary Sections whose titles
are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.
A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History"). To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

@item
VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

@item
COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit
legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

@item
MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

@enumerate A
@item
Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.

@item
List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.

@item
State on the Title page the name of the publisher of the
Modified Version, as the publisher.

@item
Preserve all the copyright notices of the Document.

@item
Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.

@item
Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.

@item
Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.

@item
Include an unaltered copy of this License.

@item
Preserve the section Entitled ``History'', Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled ``History'' in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.

@item
Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the ``History'' section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

@item
For any section Entitled ``Acknowledgements'' or ``Dedications'', Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.

@item
Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers
or the equivalent are not considered part of the section titles.

@item
Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.

@item
Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.

@item
Preserve any Warranty Disclaimers.
@end enumerate

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties---for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

@item
COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and
list them all as Invariant Sections of your combined work in its
license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and
multiple identical Invariant Sections may be replaced with a single
copy. If there are multiple Invariant Sections with the same name but
different contents, make the title of each such section unique by
adding at the end of it, in parentheses, the name of the original
author or publisher of that section if known, or else a unique number.
Make the same adjustment to the section titles in the list of
Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled ``History''
in the various original documents, forming one section Entitled
``History''; likewise combine any sections Entitled ``Acknowledgements'',
and any sections Entitled ``Dedications''. You must delete all
sections Entitled ``Endorsements.''

@item
COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents
released under this License, and replace the individual copies of this
License in the various documents with a single copy that is included in
the collection, provided that you follow the rules of this License for
verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute
it individually under this License, provided you insert a copy of this
License into the extracted document, and follow this License in all
other respects regarding verbatim copying of that document.

@item
AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate
and independent documents or works, in or on a volume of a storage or
distribution medium, is called an “aggregate” if the copyright
resulting from the compilation is not used to limit the legal rights
of the compilation's users beyond what the individual works permit.
When the Document is included in an aggregate, this License does not
apply to the other works in the aggregate which are not themselves
derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these
copies of the Document, then if the Document is less than one half of
the entire aggregate, the Document's Cover Texts may be placed on
covers that bracket the Document within the aggregate, or the
electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

@item
TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled ``Acknowledgements'', ``Dedications'', or ``History'', the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

@item
TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the
licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it.

@item
FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See @uref{http://www.gnu.org/copyleft/}.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License “or any later version” applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

@item
RELICENSING

``Massive Multiauthor Collaboration Site” (or `"MMC Site") means any World Wide Web server that publishes copyrightable works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A ``Massive Multiauthor Collaboration” (or `"MMC”) contained in the site means any set of copyrightable works thus published on the MMC site.

``CC-BY-SA” means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

``Incorporate” means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is `"eligible for relicensing” if it is licensed under this
License, and if all works that were first published under this License somewhere other than this MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing.

@end enumerate

@page

@heading ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

@smallexample
@group
Copyright (C) @var{year} @var{your name}.
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled `GNU Free Documentation License'.
@end group
@end smallexample

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the `with@dots{}Texts.'@: line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License,
to permit their use in free software.

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

Copyright 2003-2014 Free Software Foundation, Inc.

Copying and distribution of this file, with or without modification, are permitted in any medium without royalty provided the copyright notice and this notice are preserved.

LICENSES
--------

The groff program is a free software project. It is licensed under the GNU General Public License (GNU GPL), version 3 or later.

The file COPYING in the top directory of the groff source package contains a copy of the GPL that was downloaded from the GNU web site http://www.gnu.org/copyleft/gpl.txt at 3 jan 2009.

All files part of groff are licensed under this version of the GPL (or licenses which are compatible with the GPL). You are free to choose version 3 or any subsequent version of the GPL.

The GPL names an address where you can get the actual version by normal post. Further information is found in the internet at http://www.gnu.org/copyleft.

The groff program is a GNU package, and the copyright of all files of the groff source package which are under the GPL has been assigned to the Free Software Foundation (FSF). Information on GNU and FSF is found at http://www.fsf.org/.

Here a list of files which are distributed with groff but which aren't part of it (this is, they either have a non-GPL license, or the copyright hasn't been assigned to the FSF).

Source Files
-----------

The file `src/libs/snprintf/snprintf.c', written by Mark Martinec <mark.martinec@ijs.si>.

Please look into snprintf.c for the copyright message.
The complete `snprintf` package together with documentation is available from

http://www.ijs.si/software/snprintf/.

The `grn` preprocessor, written by Barry Roithblat <barry@rentonww.com> and David Slattengren <slatteng@Xinet.COM>. These files have been part of the original Berkeley ditroff distribution, without AT&T code, and are in the public domain.

The original package can be found at

src/preproc/grn/gprint.h
src/preproc/grn/hdb.cpp
src/preproc/grn/hgraph.cpp
src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp

The `gxditview` output device. It is based on X11's `xditview` program and thus has the X license.

src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit.bm
src/devices/xditview/xdit_mask.bm
src/devices/xditview/xditview.c

src/include/DviChar.h
src/include/XFontName.h

src/libs/libxutil/DviChar.c
src/libs/libxutil/XFontName.c

Macro Packages
--------------

. The -mdoc macro set, using the BSD license.

  tmac/doc.tmac
  tmac/doc-old.tmac
  tmac/doc-common
  tmac/doc-ditroff
  tmac/doc-nroff
  tmac/doc-syms
  tmac/groff_mdoc.man

. The -me macro set, using the BSD license.

  tmac/e.tmac
  tmac/groff_me.man
  doc/meintro.me
  doc/meintro_fr.me
  doc/meref.me

Hyphenation Patterns
---------------------

. The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of
the TeX system written by Donald E. Knuth; the master file can be found
at

  ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex

It has been renamed for consistency, i.e., to make patterns available
under the filenames `hyphen.<language>', e.g. `hyphen.de' or
`hyphen.uk'.

See the file itself for a copyright notice.

. The file `tmac/hyphen.fr' contains the same patterns as the file
`frhyph.tex' (for TeX), which can be found at
http://dante.ctan.org/CTAN/language/hyphenation/frhyth.tex

The patterns have been converted to a format groff can understand.

See the file itself for a copyright notice.

. The file `tmac/hyphen.sv' is identical to the file `svhyth.tex', which can be found at

http://dante.ctan.org/CTAN/language/hyphenation/svhyth.tex

See the file itself for a copyright notice.

. The files `tmac/hyphen.det' and `tmac/hyphen.den' contain the same patterns as the files `dehyphn.tex' and `dehypht.tex' (for TeX), which can be found at

http://dante.ctan.org/CTAN/language/hyphenation/dehyphn.tex
http://dante.ctan.org/CTAN/language/hyphenation/dehypht.tex

The patterns have been converted to a format groff can understand.

See the files themselves for a copyright notice.

. The file `tmac/hyphenex.det' is identical to the file `dehyphtex.tex', which can be found at

http://dante.ctan.org/CTAN/language/hyphenation/dehyphtex.tex

See the file itself for a copyright notice.

. The file `tmac/hyphen.cs' contains the same patterns as the file `czhyphen.tex' (for TeX), which can be found in the archive

http://dante.ctan.org/CTAN/macros/cstex/base/csplain.tar.gz

The patterns have been converted to a format groff can understand.

See the file itself for a copyright notice.

EOF

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to
use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.
An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.
The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.
You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.
7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is
governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work
occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.
Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.
Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.
Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU_ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program.  If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License. But first, please read
1.1065 lvm2 2.03.05-5.el8.0.1

1.1065.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the
library, and (2) we offer you this license, which gives you legal
permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that
there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know
that what they have is not the original version, so that the original
author's reputation will not be affected by problems that might be
introduced by others.

Finally, software patents pose a constant threat to the existence of
any free program. We wish to make sure that a company cannot
effectively restrict the users of a free program by obtaining a
restrictive license from a patent holder. Therefore, we insist that
any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the
ordinary GNU General Public License. This license, the GNU Lesser
General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License. We use
this license for certain libraries in order to permit linking those
libraries into non-free programs.

When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the
entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with
the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages
are the reason we use the ordinary General Public License for many
libraries. However, the Lesser license provides advantages in certain
special circumstances.

For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it becomes
a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSEER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.
   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:
a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

BSD 2-Clause License

Copyright (c) 2014, Red Hat, Inc.
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:
a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

  Gnomovision version 69, Copyright (C) year  name of author
  Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
  This is free software, and you are welcome to redistribute it
  under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

  Yoyodyne, Inc., hereby disclaims all copyright interest in the program
  `Gnomovision' (which makes passes at compilers) written by James Hacker.

  <signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.1066 cdi-core 9.4.11.v20180605

1.1067 tzdata 2019c-1.ph3
1.1067.1 Available under license:

Unless specified below, all files in the tz code and data (including this LICENSE file) are in the public domain.

If the files date.c, newstrftime.3, and strftime.c are present, they contain material derived from BSD and use the BSD 3-clause license.

1.1068 curl 7.61.1-14.el8
1.1068.1 Available under license:

License Mixing

Libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](https://www.gnu.org/licenses/gpl.html) licensed code is not allowed to be linked with code licensed under the [Original BSD license](https://spdx.org/licenses/BSD-4-Clause.html) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs). This particular problem was addressed when the [Modified BSD license](https://opensource.org/licenses/BSD-3-Clause) was created, which does not have the announcement clause that collides with GPL.
## libcurl

Uses an [MIT style license](https://curl.haxx.se/docs/copyright.html) that is very liberal.

## OpenSSL

(May be used for SSL/TLS support) Uses an Original BSD-style license with an announcement clause that makes it "incompatible" with GPL. You are not allowed to ship binaries that link with OpenSSL that includes GPL code (unless that specific GPL code includes an exception for OpenSSL - a habit that is growing more and more common). If OpenSSL's licensing is a problem for you, consider using another TLS library.

## GnuTLS

(May be used for SSL/TLS support) Uses the [LGPL](https://www.gnu.org/licenses/lgpl.html) license. If this is a problem for you, consider using another TLS library. Also note that GnuTLS itself depends on and uses other libs (libgcrypt and libgpg-error) and they too are LGPL- or GPL-licensed.

## WolfSSL

(May be used for SSL/TLS support) Uses the GPL license or a proprietary license. If this is a problem for you, consider using another TLS library.

## NSS

(May be used for SSL/TLS support) Is covered by the [MPL](https://www.mozilla.org/MPL/) license, the GPL license and the LGPL license. You may choose to license the code under MPL terms, GPL terms, or LGPL terms. These licenses grant you different permissions and impose different obligations. You should select the license that best meets your needs.

## axTLS

(May be used for SSL/TLS support) Uses a Modified BSD-style license.

## mbedTLS

(May be used for SSL/TLS support) Uses the [Apache 2.0 license](https://opensource.org/licenses/Apache-2.0) or the GPL license. You may choose to license the code under Apache 2.0 terms or GPL terms. These licenses grant you different permissions and impose different obligations. You should select the license that best meets your needs.
## BoringSSL

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.

## libressl

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.

## c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

## MIT Kerberos

(May be used for GSS support) MIT licensed, that shouldn't collide with any other parts.

## Heimdal

(May be used for GSS support) Heimdal is Original BSD licensed with the announcement clause.

## GNU GSS

(May be used for GSS support) GNU GSS is GPL licensed. Note that you may not distribute binary curl packages that uses this if you build curl to also link and use any Original BSD licensed libraries!

## libidn

(Used for IDNA support) Uses the GNU Lesser General Public License [3]. LGPL is a variation of GPL with slightly less aggressive "copyleft". This license requires more requirements to be met when distributing binaries, see the license for details. Also note that if you distribute a binary that includes this library, you must also include the full LGPL license text. Please properly point out what parts of the distributed package that the license addresses.
## OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

## libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1996 - 2018, Daniel Stenberg, <daniel@haxx.se>, and many contributors, see the THANKS file.

All rights reserved.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

1.1069 centos-indexhtml 8.0 0.el8

1.1069.1 Available under license :

No license file was found, but licenses were detected in source scan.

/*!
 * Bootstrap v3.0.3 (http://getbootstrap.com)
 * Copyright 2013 Twitter, Inc.
 * Licensed under http://www.apache.org/licenses/LICENSE-2.0
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1085809445_1599104932.96/0/centos-indexhtml-8.0-0.el8-1.src.rpm-cosi-expand-archive-6jRA5dCv/centos-indexhtml-8.0.tar.gz-cosi-expand-archive-gOkJ1Iag/centos-indexhtml-8.0/common/css/bootstrap.min.css
No license file was found, but licenses were detected in source scan.

Summary: Browser default start page for CentOS
Name: centos-indexhtml
Version: 8.0
Release: 0%{?dist}
Source: %{name}- %{version}.tar.gz
License: Distributable
Group: Documentation
BuildArch: noarch
BuildRoot: %{_tmppath}/%{name}- %{version}- %{release}-root- (%{__id_u} -n)
Obsoletes: indexhtml <= 2.5-1
Obsoletes: redhat-indexhtml
Provides: redhat-indexhtml

%description
The indexhtml package contains the welcome page shown by your Web browser, which you'll see after you've successfully installed CentOS Linux.

%prep
%setup -q

%build

%install
rm -rf $RPM_BUILD_ROOT
mkdir -p $RPM_BUILD_ROOT/%{_defaultdocdir}/HTML
cp -a . $RPM_BUILD_ROOT/%{_defaultdocdir}/HTML/

%clean
rm -rf $RPM_BUILD_ROOT

%files
%defattr(-,root,root,-)
%{_defaultdocdir}/HTML/*

%changelog
* Sun Apr 28 2019 Alain Reguera Delgado <alain.reguera@gmail.com> 8.0-0
- Roll in CentOS artwork based on CentOS Artistic Motif Sketch 4

* Sun Jun 29 2014 Johnny Hughes <johnny@centos.org> 7-9.el7.centos
- Add en-US directory

* Fri May 16 2014 Johnny Hughes <johnny@centos.org> 7-8.el7.centos
- Roll in CentOS Branding

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1085809445_1599104932.96/0/centos-indexhtml-8.0-0.el8-1.src.rpm-cosi-expand-
archive-6jRA5dCv/centos-indexhtml.spec
No license file was found, but licenses were detected in source scan.

Copyright   : Copyright c 2011 by Red Hat Inc All rights reserved

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1085809445_1599104932.96/0/centos-indexhtml-8.0-0.el8-1.src.rpm-cosi-expand-archive-6jRA5dCv/centos-indexhtml-8.0.tar.gz-cosi-expand-archive-gOkJ1Iag/centos-indexhtml-8.0/common/fonts/overpass_bold-web.svg

1.1070 derbyclient 10.14.2.0

1.1070.1 Available under license :

=========================================================================== NOTICE file corresponding to section 4(d) of the Apache License, == Version 2.0, in this case for the Apache Derby distribution. == == == DO NOT EDIT THIS FILE DIRECTLY. IT IS GENERATED == BY THE buildnotice TARGET IN THE TOP LEVEL build.xml FILE. == ===========================================================================

Apache Derby
Copyright 2004-2018 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

========================================================================= Portions of Derby were originally developed by International Business Machines Corporation and are licensed to the Apache Software Foundation under the "Software Grant and Corporate Contribution License Agreement", informally known as the "Derby CLA". The following copyright notice(s) were affixed to portions of the code with which this file is now or was at one time distributed and are placed here unaltered.

(C) Copyright 1997,2004 International Business Machines Corporation. All rights reserved.

(C) Copyright IBM Corp. 2003.

=========================================================================
The portion of the functionTests under 'nist' was originally developed by the National Institute of Standards and Technology (NIST), an agency of the United States Department of Commerce, and adapted by International Business Machines Corporation in accordance with the NIST Software Acknowledgment and Redistribution document at http://www.itl.nist.gov/div897/ctg/sql_form.htm

========================================================================

The Derby build relies on source files supplied by the Apache Felix project. The following notice covers the Felix files:

Apache Felix Main
Copyright 2008 The Apache Software Foundation

I. Included Software

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).
Licensed under the Apache License 2.0.

This product includes software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

This product includes software from http://kxml.sourceforge.net.
Copyright (c) 2002,2003, Stefan Haustein, Oberhausen, Rhld., Germany.
Licensed under BSD License.

II. Used Software

This product uses software developed at
The OSGi Alliance (http://www.osgi.org/).
Copyright (c) OSGi Alliance (2000, 2007).
Licensed under the Apache License 2.0.

III. License Summary
- Apache License 2.0
- BSD License
The Derby build relies on jar files supplied by the Apache Lucene project. The following notice covers the Lucene files:

Apache Lucene
Copyright 2013 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Includes software from other Apache Software Foundation projects,
including, but not limited to:
- Apache Ant
- Apache Jakarta Regexp
- Apache Commons
- Apache Xerces

ICU4J, (under analysis/icu) is licensed under an MIT styles license
and Copyright (c) 1995-2008 International Business Machines Corporation and others

Some data files (under analysis/icu/src/data) are derived from Unicode data such
as the Unicode Character Database. See http://unicode.org/copyright.html for more
details.

Brics Automaton (under core/src/java/org/apache/lucene/util/automaton) is
BSD-licensed, created by Anders Mller. See http://www.brics.dk/automaton/

The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were
automatically generated with the moman/finenight FSA library, created by
Jean-Philippe Barrette-LaPierre. This library is available under an MIT license,
see http://sites.google.com/site/rrettesite/moman and
http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from
the Apache CXF project and is Apache License 2.0.

The Google Code Prettify is Apache License 2.0.
See http://code.google.com/p/google-code-prettify/

JUnit (junit-4.10) is licensed under the Common Public License v. 1.0
See http://junit.sourceforge.net/cpl-v10.html

This product includes code (JaspellTernarySearchTrie) from Java Spelling Checkin
g Package (jaspell): http://jaspell.sourceforge.net/
License: The BSD License (http://www.opensource.org/licenses/bsd-license.php)
The snowball stemmers in
analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
http://snowball.tartarus.org/

The KStem stemmer in
analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil,
and Edmond Nolan.

The Polish analyzer (stempel) comes with a default
stopword list that is BSD-licensed created by the Carrot2 project. The file resides
in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt.
See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smarten) was
provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slovnik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

Nara Institute of Science and Technology (NAIST), the copyright holders, disclaims all warranties with regard to this software, including all implied warranties of merchantability and fitness, in no event shall NAIST be liable for any special, indirect or consequential damages or any damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other tortuous action, arising out of or in connection with the use or performance of this software.
A large portion of the dictionary entries originate from ICOT Free Software. The following conditions for ICOT Free Software applies to the current dictionary as well.

Each User may also freely distribute the Program, whether in its original form or modified, to any third party or parties, PROVIDED that the provisions of Section 3 ("NO WARRANTY") will ALWAYS appear on, or be attached to, the Program, which is distributed substantially in the same form as set out herein and that such intended distribution, if actually made, will neither violate or otherwise contravene any of the laws and regulations of the countries having jurisdiction over the User or the intended distribution itself.

NO WARRANTY

The program was produced on an experimental basis in the course of the research and development conducted during the project and is provided to users as so produced on an experimental basis. Accordingly, the program is provided without any warranty whatsoever, whether express, implied, statutory or otherwise. The term "warranty" used herein includes, but is not limited to, any warranty of the quality, performance, merchantability and fitness for a particular purpose of the program and the nonexistence of any infringement or violation of any right of any third party.

Each user of the program will agree and understand, and be deemed to have agreed and understood, that there is no warranty whatsoever for the program and, accordingly, the entire risk arising from or otherwise connected with the program is assumed by the user.

Therefore, neither ICOT, the copyright holder, or any other organization that participated in or was otherwise related to the development of the program and their respective officials, directors, officers and other employees shall be held liable for any and all damages, including, without limitation, general, special, incidental and consequential damages, arising out of or otherwise in connection with the use or inability to use the program or any product, material or result produced or otherwise obtained by using the program, regardless of whether they have been advised of, or otherwise had knowledge of, the possibility of such damages at any time during the project or thereafter. Each user will be deemed to have agreed to the foregoing by his or her commencement of use of the program. The term "use" as used herein includes, but is not limited to, the use, modification, copying and distribution of the program and the production of secondary products from the program.

In the case where the program, whether in its original form or modified, was distributed or delivered to or received by a user from
any person, organization or entity other than ICOT, unless it makes or
grants independently of ICOT any specific warranty to the user in
writing, such person, organization or entity, will also be exempted
from and not be held liable to the user for any such damages as noted
above as far as the program is concerned.

The Derby build relies on a jar file supplied by the JSON Simple
project, hosted at https://code.google.com/p/json-simple/.
The JSON simple jar file is licensed under the Apache 2.0 License.
No other notice covers that jar file.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by
the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all
other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or
Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.
To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.1071 python-pycparser 2.14 14.el8

1.1071.1 Available under license:

This is Ply 3.4, which is copyrighted by David Beazley.
It's licensed under BSD and re-distributed with pycparser in accordance
with this license. Please see PLY's website for more details:
http://www.dabeaz.com/ply
Copyright (c) 2008-2015, Eli Bendersky
All rights reserved.

Redistribution and use in source and binary forms, with or without modification,
are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this
  list of conditions and the following disclaimer.
* Redistributions in binary form must reproduce the above copyright notice,
  this list of conditions and the following disclaimer in the documentation
  and/or other materials provided with the distribution.
* Neither the name of Eli Bendersky nor the names of its contributors may
  be used to endorse or promote products derived from this software without
  specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE
LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE
GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
This is a list of people who have contributed to pycparser by supplying patches,
opening issues, or generally helping out, before the project moved to Github.

For more recent contributions, check out the "Contributors" page of the
pycparser Github project.

The list is sorted in increasing alphabetic order by first name.

* Andreas Klckner
* Andrew de los Reyes
* Benoit Pradelle
* Dov Feldstern
* Even Wiik Thomassen
* Greg Smith
* Jaroslav Franek
* Li Xuan Ji
* Mateusz Czapinski
* Paolo Di Maio
* Rory Yorke
* Rubin
* Scott Tsai
* Sye van der Veen
* Thomas W. Barr
* Tomer Segal
* Weyllor

1.1072 libidn 2.2.0 1.el8
1.1072.1 Available under license :
Libidn2 COPYING -- Licensing information.  -*- outline -*-
Copyright (C) 2011-2016 Simon Josefsson
See the end for copying conditions.

The source code for the C library (libidn2.a or libidn.so) are
licensed under the terms of either the GNU General Public License
version 2.0 or later (see the file COPYINGv2) or the GNU Lesser
General Public License version 3.0 or later (see the file
COPYING.LESSERv3), or both in parallel as here.
The command line tool, self tests, examples, and other auxiliary files, are licensed under the GNU General Public License version 3.0 or later.

The license of the Unicode character data files (which are parsed into static storage in the library) are documented in COPYING.unicode.

Other files are licensed as indicated in each file.

There may be exceptions to these general rules, see each file for precise information.

This file is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This file is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this file. If not, see <http://www.gnu.org/licenses/>.

A. Unicode Copyright.

Copyright 1991-2016 Unicode, Inc. All rights reserved.

Certain documents and files on this website contain a legend indicating that "Modification is permitted." Any person is hereby authorized, without fee, to modify such documents and files to create derivative works conforming to the Unicode Standard, subject to Terms and Conditions herein.

Any person is hereby authorized, without fee, to view, use, reproduce, and distribute all documents and files solely for informational purposes and in the creation of products supporting the Unicode Standard, subject to the Terms and Conditions herein.

Further specifications of rights and restrictions pertaining to the use of the particular set of data files known as the "Unicode Character Database" can be found in the License.

Each version of the Unicode Standard has further specifications of rights and restrictions of use. For the book editions (Unicode 5.0 and earlier), these are found on the back of the title page. The online code charts carry specific restrictions. All other files, including online documentation of the core specification for Unicode 6.0 and later, are covered under these general Terms of Use.

No license is granted to "mirror" the Unicode website where a fee is charged for access to the "mirror" site. Modification is not permitted with respect to this document. All copies of this document must be verbatim.

B. Restricted Rights Legend.

Any technical data or software which is licensed to the United States of America, its agencies and/or instrumentalities under this Agreement is commercial technical data or commercial computer software developed exclusively at private expense as defined in FAR 2.101, or DFARS 252.227-7014 (June 1995), as applicable. For technical data, use, duplication, or disclosure by the Government is subject to restrictions as set forth in DFARS
C. Warranties and Disclaimers.

This publication and/or website may include technical or typographical errors or other inaccuracies. Changes are periodically added to the information herein; these changes will be incorporated in new editions of the publication and/or website. Unicode may make improvements and/or changes in the product(s) and/or program(s) described in this publication and/or website at any time.

If this file has been purchased on magnetic or optical media from Unicode, Inc. the sole and exclusive remedy for any claim will be exchange of the defective media within ninety (90) days of original purchase.

EXCEPT AS PROVIDED IN SECTION C.2, THIS PUBLICATION AND/OR SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND EITHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. UNICODE AND ITS LICENSORS ASSUME NO RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THIS PUBLICATION AND/OR SOFTWARE OR OTHER DOCUMENTS WHICH ARE REFERENCED BY OR LINKED TO THIS PUBLICATION OR THE UNICODE WEBSITE.

D. Waiver of Damages.

In no event shall Unicode or its licensors be liable for any special, incidental, indirect or consequential damages of any kind, or any damages whatsoever, whether or not Unicode was advised of the possibility of the damage, including, without limitation, those resulting from the following: loss of use, data or profits, in connection with the use, modification or distribution of this information or its derivatives.

E. Trademarks & Logos.

The Unicode Word Mark and the Unicode Logo are trademarks of Unicode, Inc. The Unicode Consortium and Unicode, Inc. are trade names of Unicode, Inc. Use of the information and materials found on this website indicates your acknowledgement of Unicode, Inc.s exclusive worldwide rights in the Unicode Word Mark, the Unicode Logo, and the Unicode trade names.

The Unicode Consortium Name and Trademark Usage Policy (Trademark Policy) are incorporated herein by reference and you agree to abide by the provisions of the Trademark Policy, which may be changed from time to time in the sole discretion of Unicode, Inc.

All third party trademarks referenced herein are the property of their respective owners.

F. Miscellaneous.

Jurisdiction and Venue. This server is operated from a location in the State of California, United States of America. Unicode makes no representation that the materials are appropriate for use in other locations. If you access this server from other locations, you are responsible for compliance with local laws. This Agreement, all use of this site and any claims and damages resulting from use of this site are governed solely by the laws of the State of California without regard to any principles which would apply the laws of a different jurisdiction. The user agrees that any disputes regarding this site shall be resolved solely in the courts located in Santa Clara County, California. The user agrees said courts have personal jurisdiction and agree to waive any right to transfer the dispute to any other forum.

Modification by Unicode Unicode shall have the right to modify this Agreement at any time by posting it to this site. The user may not assign any part of this Agreement without Unicodes prior written consent.

Taxes. The user agrees to pay any taxes arising from access to this website or use of the information herein, except for those based on Unicodes net income.

Severability. If any provision of this Agreement is declared invalid or unenforceable, the remaining provisions of
this Agreement shall remain in effect.  
Entire Agreement. This Agreement constitutes the entire agreement between the parties.

EXHIBIT 1
Unicode Data Files include all data files under the directories  
http://www.unicode.org/Public/, http://www.unicode.org/reports/,  
http://www.unicode.org/cldr/data/, http://source.icu-project.org/repos/icu/, and  
http://www.unicode.org/utility/trac/browser/.

Unicode Data Files do not include PDF online code charts under the directory http://www.unicode.org/Public/.

Software includes any source code published in the Unicode Standard  
or under the directories  
http://www.unicode.org/Public/, http://www.unicode.org/reports/,  
http://www.unicode.org/cldr/data/, http://source.icu-project.org/repos/icu/, and  
http://www.unicode.org/utility/trac/browser/.

NOTICE TO USER: Carefully read the following legal agreement.  
BY DOWNLOADING, INSTALLING, COPYING OR OTHERWISE USING UNICODE INC.'S  
DATA FILES ("DATA FILES"), AND/OR SOFTWARE ("SOFTWARE"),  
YOU UNEQUIVOCALLY ACCEPT, AND AGREE TO BE BOUND BY, ALL OF THE  
TERMS AND CONDITIONS OF THIS AGREEMENT.  
IF YOU DO NOT AGREE, DO NOT DOWNLOAD, INSTALL, COPY, DISTRIBUTE OR USE  
THE DATA FILES OR SOFTWARE.

COPYRIGHT AND PERMISSION NOTICE

Copyright 1991-2016 Unicode, Inc. All rights reserved.  
Distributed under the Terms of Use in http://www.unicode.org/copyright.html.

Permission is hereby granted, free of charge, to any person obtaining  
a copy of the Unicode data files and any associated documentation  
(the "Data Files") or Unicode software and any associated documentation  
(the "Software") to deal in the Data Files or Software  
without restriction, including without limitation the rights to use,  
copy, modify, merge, publish, distribute, and/or sell copies of  
the Data Files or Software, and to permit persons to whom the Data Files  
or Software are furnished to do so, provided that either  
(a) this copyright and permission notice appear with all copies  
of the Data Files or Software, or  
(b) this copyright and permission notice appear in associated  
Documentation.

THE DATA FILES AND SOFTWARE ARE PROVIDED "AS IS", WITHOUT WARRANTY OF  
ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT OF THIRD PARTY RIGHTS.
IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS
NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL
DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE,
DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER
TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
PERFORMANCE OF THE DATA FILES OR SOFTWARE.

Except as contained in this notice, the name of a copyright holder
shall not be used in advertising or otherwise to promote the sale,
use or other dealings in these Data Files or Software without prior
written authorization of the copyright holder.

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty: and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

1.1073 perl-xml-sax 1.00-1.el8

1.1073.1 Available under license:

XML::SAX is dual licensed under the same terms as Perl itself.

This means at your choice, either the Perl Artistic License, or the GNU GPL version 1 or higher.

(should we include the full text here?)
1.1074 iconv 2.28

1.1074.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.
For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.
To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid
circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent
works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some
trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.
Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".
A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are
specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General
Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.
The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

GNU LIBRARY GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling.
it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards
changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's
complete source code as you receive it, in any medium, provided that
you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the
Library.

You may charge a fee for the physical act of transferring a copy,
and you may at your option offer warranty protection in exchange for a
fee.

2. You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the
b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Library at all. For example, if a patent
license would not permit royalty-free redistribution of the Library by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any
particular circumstance, the balance of the section is intended to apply,
and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.1075 perl-timedate 2.30-13.el8
1.1075.1 Available under license:
No license file was found, but licenses were detected in source scan.

=encoding utf8

=head1 NAME

Date::Language::Bulgarian - localization for Date::Format

=head1 DESCRIPTION

This is Bulgarian localization for Date::Format.
It is important to note that this module source code is in utf8.
All strings which it outputs are in utf8, so it is safe to use it
currently only with English. You are left alone to try and convert
the output when using different Date::Language::* in the same application.
This should be addressed in the future.

=head1 SYNOPSIS

use strict;
use warnings;
use Date::Language;
local $/=;
my $template ="%a %b %e %T %Y (%Y-%m-%d %H:%M:%S)";
my $time=1290883821; #or just use time();
my @lt = localtime($time);
my %languages = qw(English GMT German EEST Bulgarian EET);
binmode(select,'utf8');

foreach my $l(keys %languages){
    my $lang = Date::Language->new($l);
    my $zone = $languages{$l};
    print "/", "$l $zone"
    print $lang->time2str($template, $time);
print $lang->time2str($template, $time, $zone);
print $lang->strftime($template, \@lt);
}
=head1 AUTHOR
Krasimir Berov (berov@cpan.org)
=head1 COPYRIGHT
Copyright (c) 2010 Krasimir Berov. This program is free
software; you can redistribute it and/or modify it under the same terms
as Perl itself.
=cut
Found in path(s):
* /opt/cola/permits/1137994052_1614192377.94/0/perl-TimeDate-2.30-13.el8-1.src.rpm-cosi-expand-archiveLECUtSbG/TimeDate-2.30.tar.gz-cosi-expand-archive-tWncYbvH/TimeDate-2.30/lib/Date/Language/Bulgarian.pm
No license file was found, but licenses were detected in source scan.
This is the perl5 TimeDate distribution. It requires perl version 5.003
or later
This distribution replaces my earlier GetDate distribution, which was
only a date parser. The date parser contained in this distribution is
far superior to the yacc based parser, and a *lot* fatser.
The parser contained here will only parse absolute dates, if you want a
date parser that can parse relative dates then take a look at the Time
modules by David Muir on CPAN.
You install the library by running these commands:
perl Makefile.PL
make
make test
make install
Please report any bugs/suggestions to <gbarr@pobox.com>
Copyright 1995-2009 Graham Barr.
This library is free software; you can redistribute it and/or modify
it under the same terms as Perl itself.
Share and Enjoy!

Open Source Used In CSPC_Collector 2.9.1 27951


Graham <gbarr@pobox.com>

Found in path(s):
* /opt/cola/permits/1137994052_1614192377.94/0/perl-TimeDate-2.30-13.el8-1.src.rpm-cosi-expand-archive-LECUtSbG/TimeDate-2.30.tar.gz-cosi-expand-archive-tWncYbvH/TimeDate-2.30/README
No license file was found, but licenses were detected in source scan.

# software; you can redistribute it and/or modify it under the same terms

License: GPL+ or Artistic

---

abstract: unknown

author:
  - 'Graham Barr <gbarr@pobox.com>'

build_requires:
  ExtUtils::MakeMaker: 0

configure_requires:
  ExtUtils::MakeMaker: 0

dynamic_config: 1

generated_by: 'ExtUtils::MakeMaker version 6.64, CPAN::Meta::Converter version 2.120921'

license: perl

meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4

name: TimeDate

no_index:
  directory:
    - t
    - inc

requires: {}

resources:
  repository: http://github.com/gbarr/perl-TimeDate

version: 2.30

Found in path(s):
NAME

Date::Language::Hungarian - Magyar format for Date::Format

SYNOPSIS

my $lang = Date::Language->new('Hungarian');
print $lang->time2str("%a %b %e %T %Y", time);

@lt = localtime(time);
print $lang->time2str($template, time);
print $lang->strftime($template, @lt);
print $lang->time2str($template, time, $zone);
print $lang->strftime($template, @lt, $zone);
print $lang->ctime(time);
print $lang->asctime(@lt);
print $lang->ctime(time, $zone);
print $lang->asctime(@lt, $zone);

See L<Date::Format>.

AUTHOR

Paula Goddard (paula -at- paulacska -dot- com)

LICENCE

Made available under the same terms as Perl itself.

=cut

Found in path(s):
* /opt/cola/permits/1137994052_1614192377.94/0/perl-TimeDate-2.30-13.el8-1.src.rpm-cosi-expand-archive-LECUtSbG/TimeDate-2.30.tar.gz-cosi-expand-archive-tWncYbvH/TimeDate-2.30/META.yml
No license file was found, but licenses were detected in source scan.

1.1076 connector-java 5.1.41
1.1076.1 Available under license:

Found license 'General Public License 2.0' in 'Copyright (c) 2009, 2016, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this'.

Found license 'General Public License 2.0' in 'Copyright (c) 2004, 2014, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this'.

Found license 'General Public License 2.0' in 'Copyright (c) 2011, 2014, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this'.

Found license 'General Public License 2.0' in 'Copyright (c) 2011, 2016, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this'.

Found license 'General Public License 2.0' in 'Copyright (c) 2002, 2016, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this'.

checkConfidentiality(AuthenticationPlugin plugin) throws SQLException { if (plugin.requiresConfidentiality() && !isSSLEstablished()) { checkConfidentiality(plugin); checkConfidentiality(plugin); checkConfidentiality(plugin); }
the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this

Found license 'General Public License 2.0' in 'Copyright (c) 2005, 2015, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this

Found license 'General Public License 2.0' in 'Copyright (c) 2007, 2014, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this

Found license 'General Public License 2.0' in 'Copyright (c) 2010, 2016, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this

Found license 'General Public License 2.0' in 'Copyright (c) 2012, 2016, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this

boolean requiresConfidentiality() {
licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this.

Found license ‘General Public License 2.0’ in ‘Copyright (c) 2015, 2016, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this.

Found license ‘General Public License 2.0’ in ‘Copyright (c) 2002, 2016, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this.

Found license ‘General Public License 2.0’ in ‘Copyright (c) 2013, 2014, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this.

* The ASF licenses this file to You under the Apache License, Version 2.0 *(the "License"); you may not use this file except in compliance with *the License. You may obtain a copy of the License at *
http://www.apache.org/licenses/LICENSE-2.0 *distributed under the License is distributed on an "AS IS" BASIS,

Found license ‘General Public License 2.0’ in ‘Copyright (c) 2013, 2014, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License.
for more details. You should have received a copy of the GNU General Public License along with this’

Found license 'General Public License 2.0' in 'Copyright (c) 2014, 2016, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this’

Found license 'General Public License 2.0' in 'Copyright (c) 2013, 2016, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this’

Found license 'General Public License 2.0' in 'Copyright (c) 2007, 2016, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this’

Found license 'General Public License 2.0' in 'Copyright (c) 2004, 2015, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this’

Found license 'General Public License 2.0' in 'Copyright (c) 2012, 2014, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this’

Found license 'General Public License 2.0' in 'Copyright (c) 2010, 2015, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this’
for more details. You should have received a copy of the GNU General Public License along with this'
Found license ‘General Public License 2.0’ in ‘Copyright (c) 2014, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this'
Found license ‘General Public License 2.0’ in ‘Copyright (c) 2005, 2014, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this'
Found license ‘General Public License 2.0’ in ‘Copyright (c) 2012, 2015, Oracle and/or its affiliates. All rights reserved. The MySQL Connector/J is licensed under the terms of the GPLv2 <http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>, like most MySQL Connectors. There are special exceptions to the terms and conditions of the GPLv2 as it is applied to This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this

1.1077 core-aspects 1.2.15

1.1077.1 Available under license :

Apache Axiom

Copyright 2004-2015 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Portions Copyright 2006 International Business Machines Corp.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,
and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
(d) If the Work includes a "NOTICE" text file as part of its
distribution, then any Derivative Works that You distribute must
include a readable copy of the attribution notices contained
within such NOTICE file, excluding those notices that do not
pertain to any part of the Derivative Works, in at least one
of the following places: within a NOTICE text file distributed
as part of the Derivative Works; within the Source form or
documentation, if provided along with the Derivative Works; or,
within a display generated by the Derivative Works, if and
wherever such third-party notices normally appear. The contents
of the NOTICE file are for informational purposes only and
do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
any Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses
granted to You under this License for that Work shall terminate
as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the
Work or Derivative Works thereof in any medium, with or without
modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement You may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "["] replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

Apache Commons IO
Copyright 2002-2010 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

1.1079 hardlink 1.3 6.el8
1.1079.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.

In addition, mere aggregation of another work not based on the Program
with the Program (or with a work based on the Program) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable
      source code, which must be distributed under the terms of Sections
      1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three
      years, to give any third party, for a charge no more than your
      cost of physically performing source distribution, a complete
      machine-readable copy of the corresponding source code, to be
      distributed under the terms of Sections 1 and 2 above on a medium
      customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer
ten to distribute corresponding source code.  (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it.  For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable.  However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.1080 gson 2.5
1.1080.1 Available under license:
No license file was found, but licenses were detected in source scan.

/**
 * Copyright (C) 2008 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/$Gson$Types.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2011 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/bind/JsonTreeReader.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/bind/MapTypeAdapterFactory.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/TypeAdapterFactory.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/bind/JsonReaderInternalAccess.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/TypeAdapter.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/bind/ObjectTypeAdapter.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/bind/ArrayTypeAdapter.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/bind/CollectionTypeAdapterFactory.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/TypeAdapterFactory.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/bind/JsonTreeWriter.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/bind/TypeAdapterRuntimeTypeWrapper.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/bind/TypeAdapters.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2014 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/bind/JsonAdapterAnnotationTypeAdapterFactory.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/annotations/JsonAdapter.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/JsonIOException.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/reflect/TypeToken.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/annotations/Expose.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/annotations/Since.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/Excluder.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2008 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/JsonIOException.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/reflect/TypeToken.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/annotations/Excluder.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/annotations/Since.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/Excluder.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2009 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
Found in path(s):
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/JsonParser.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/LongSerializationPolicy.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/JsonStreamParser.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/FieldAttributes.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2010 Google Inc.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 * http://www.apache.org/licenses/LICENSE-2.0
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/JsonSyntaxException.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/Streams.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2011 Google Inc.
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 * 
 * http://www.apache.org/licenses/LICENSE-2.0
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2010 The Android Open Source Project
 * Copyright (C) 2012 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/LinkedTreeMap.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/internal/LinkedHashTreeMap.java

No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 2010 Google Inc.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 *      http://www.apache.org/licenses/LICENSE-2.0
 */
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

Found in path(s):
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/stream/JsonReader.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/stream/JsonScope.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/stream/JsonToken.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/stream/JsonWriter.java
* /opt/cola/permits/1150922516_1617720560.31/0/gson-2-5-sources-3-jar/com/google/gson/stream/MalformedJsonException.java

1.1081 libndp 1.7-1.el8

1.1081.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs
(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new
versions of the Lesser General Public License from time to time.
Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
specifies a version number of this License which applies to it and
"any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY
AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU
FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR
CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE
LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING
RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A
FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH
DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries
If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
1.1082.1 Available under license:

XZ Utils Licensing

Different licenses apply to different files in this package. Here is a rough summary of which licenses apply to which parts of this package (but check the individual files to be sure!):

- liblzma is in the public domain.

- xz, xzdec, and lzmadec command line tools are in the public domain unless GNU getopt_long had to be compiled and linked in from the lib directory. The getopt_long code is under GNU LGPLv2.1+.

- The scripts to grep, diff, and view compressed files have been adapted from gzip. These scripts and their documentation are under GNU GPLv2+.

- All the documentation in the doc directory and most of the XZ Utils specific documentation files in other directories are in the public domain.

- Translated messages are in the public domain.

- The build system contains public domain files, and files that are under GNU GPLv2+ or GNU GPLv3+. None of these files end up in the binaries being built.

- Test files and test code in the tests directory, and debugging utilities in the debug directory are in the public domain.

- The extra directory may contain public domain files, and files that are under various free software licenses.

You can do whatever you want with the files that have been put into the public domain. If you find public domain legally problematic, take the previous sentence as a license grant. If you still find the lack of copyright legally problematic, you have too many lawyers.

As usual, this software is provided "as is", without any warranty.

If you copy significant amounts of public domain code from XZ Utils into your project, acknowledging this somewhere in your software is polite (especially if it is proprietary, non-free software), but naturally it is not legally required. Here is an example of a good
notice to put into "about box" or into documentation:

This software includes code from XZ Utils <https://tukaani.org/xz/>.

The following license texts are included in the following files:
- COPYING.LGPLv2.1: GNU Lesser General Public License version 2.1
- COPYING.GPLv2: GNU General Public License version 2
- COPYING.GPLv3: GNU General Public License version 3

Note that the toolchain (compiler, linker etc.) may add some code pieces that are copyrighted. Thus, it is possible that e.g. liblzma binary wouldn't actually be in the public domain in its entirety even though it contains no copyrighted code from the XZ Utils source package.

If you have questions, don’t hesitate to ask the author(s) for more information.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA  02110-1301  USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.
We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.
This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version,
but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.
GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an
announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.
10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License along
with this program; if not, write to the Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

   Gnomovision version 69, Copyright (C) year name of author
   Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
   This is free software, and you are welcome to redistribute it
   under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

   Yoyodyne, Inc., hereby disclaims all copyright interest in the program
   `Gnomovision' (which makes passes at compilers) written by James Hacker.

   <signature of Ty Coon>, 1 April 1989
   Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
   Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to
use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.
An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.
The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and
appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.
You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.
7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is
governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work
occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.
Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.
Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Program.
Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year>  <name of author>

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program.  If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

<program>  Copyright (C) <year>  <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License.  Of course, your program's commands
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school,
if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see
<http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs.  If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library.  If this is what you want to do, use the GNU Lesser General
Public License instead of this License.  But first, please read

Open Source Used In CSPC_Collector 2.9.1  28024
1.1083 libnfnetlink 1.0.1 13.el8

1.1083.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
675 Mass Ave, Cambridge, MA 02139, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

  a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

  b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

  c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

  a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

**1.1084 python-pynacl 1.3.0-5.el8**

**1.1084.1 Available under license:**

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

**TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION**

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work
(an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object
form, that is based on (or derived from) the Work and for which the
editorial revisions, annotations, elaborations, or other modifications
represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain
separable from, or merely link (or bind by name) to the interfaces of,
the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including
the original version of the Work and any modifications or additions
to that Work or Derivative Works thereof, that is intentionally
submitted to Licensor for inclusion in the Work by the copyright owner
or by an individual or Legal Entity authorized to submit on behalf of
the copyright owner. For the purposes of this definition, "submitted"
means any form of electronic, verbal, or written communication sent
to the Licensor or its representatives, including but not limited to
communication on electronic mailing lists, source code control systems,
and issue tracking systems that are managed by, or on behalf of, the
Licensor for the purpose of discussing and improving the Work, but
excluding communication that is conspicuously marked or otherwise
designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity
on behalf of whom a Contribution has been received by Licensor and
subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the
Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of
this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable
(except as stated in this section) patent license to make, have made,
use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable
by such Contributor that are necessarily infringed by their
Contribution(s) alone or by combination of their Contribution(s)
with the Work to which such Contribution(s) was submitted. If You
institute patent litigation against any entity (including a
cross-claim or counterclaim in a lawsuit) alleging that the Work
or a Contribution incorporated within the Work constitutes direct
or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer,
and charge a fee for, acceptance of support, warranty, indemnity,
or other liability obligations and/or rights consistent with this
License. However, in accepting such obligations, You may act only
on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify,
defend, and hold each Contributor harmless for any liability
incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

/*
 * ISC License
 *
 * Copyright (c) 2013-2017
 * Frank Denis <j at pureftpd dot org>
 */
* Permission to use, copy, modify, and/or distribute this software for any * purpose with or without fee is hereby granted, provided that the above * copyright notice and this permission notice appear in all copies. *
* 
* THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES * WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF *
* MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR *
* ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES * WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN *
* ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF *
* OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE. */

1.1085 pciutils 3.5.6 4.el8
1.1085.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
      stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in
      whole or in part contains or is derived from the Program or any
      part thereof, to be licensed as a whole at no charge to all third
      parties under the terms of this License.

   c) If the modified program normally reads commands interactively
      when run, you must cause it, when started running for such
      interactive use in the most ordinary way, to print or display an
      announcement including an appropriate copyright notice and a
      notice that there is no warranty (or else, saying that you provide
      a warranty) and that users may redistribute the program under
      these conditions, and telling the user how to view a copy of this
      License.  (Exception: if the Program itself is interactive but
      does not normally print such an announcement, your work based on
      the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole.  If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works.  But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.1086 jackson-annotations 2.11.1
1.1086.1 Available under license :

This copy of Jackson JSON processor annotations is licensed under the Apache (Software) License, version 2.0 ("the License"). See the License for details about distribution rights, and the specific rights regarding derivate works.

You may obtain a copy of the License at:

http://www.apache.org/licenses/LICENSE-2.0

1.1087 servlet-api 3.0.0.SNAPSHOT
1.1087.1 Available under license :

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0

1. Definitions.

1.1. Contributor. means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version. means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software. means (a) the Original Software, or (b) Modifications, or (c) the combination of files
containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable. means the Covered Software in any form other than Source Code.

1.5. Initial Developer. means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work. means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License. means this document.

1.8. Licensable. means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications. means the Source Code and Executable form of any of the following:

A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

B. Any new file that contains any part of the Original Software or previous Modification; or

C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software. means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims. means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code. means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You. (or .Your.) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, .You. includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, .control. means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or
without Modifications, and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

(c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License under which You originally received the Covered Software.
4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN “AS IS” BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant.) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR
MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY’S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a .commercial item., as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of .commercial computer software. (as that term is defined at 48 C.F.R. ?252.227-7014(a)(1)) and .commercial computer software documentation. as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys. fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.
The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
0. This License applies to any program or other work which contains a notice placed by the copyright holder saying
it may be distributed under the terms of this General Public License. The "Program", below, refers to any such
program or work, and a "work based on the Program" means either the Program or any derivative work under
copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications
and/or translated into another language. (Hereinafter, translation is included without limitation in the term
"modification"). Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its
scope. The act of running the Program is not restricted, and the output from the Program is covered only if its
contents constitute a work based on the Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium,
provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and
disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and
give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty
protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the
Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you
also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of
any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the
Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this
License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started
running for such interactive use in the most ordinary way, to print or display an announcement including an
appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and
that users may redistribute the program under these conditions, and telling the user how to view a copy of this
License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your
work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from
the Program, and can be reasonably considered independent and separate works in themselves, then this License,
and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute
the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on
the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and
every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather,
the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the
conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

One line to give the program's name and a brief idea of what it does.

Copyright (C)

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

Certain source files distributed by Sun Microsystems, Inc. are subject to the following clarification and special exception to the GPL Version 2, but only where Sun has expressly included in the particular source file's header the words

"Sun designates this particular file as subject to the "Classpath" exception as provided by Sun in the License file that accompanied this code."

Linking this library statically or dynamically with other modules is making a combined work based on this library. Thus, the terms and conditions of the GNU General Public License Version 2 cover the whole combination.

As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

1.1088 perl 1.28-416.el8
1.1088.1 Available under license:

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

-----------------------------------------------
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

"Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder as specified below.

"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

"You" is you, if you're thinking about copying or distributing this Package.

"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

"Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.
1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However,
you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package’s interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this Package via the so-called “undump” or “unexec” methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.

7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the regression tests for the language.

8. Aggregation of this Package with a commercial distribution is always permitted provided that the use of this Package is embedded; that is, when no overt attempt is made to make this Package’s interfaces visible to the end user of the commercial distribution. Such use shall not be construed as a distribution of this Package.

9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

   The End

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation's software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

   a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

   d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.
3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

   a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

   b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

   c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these
To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.
Ty Coon, President of Vice

That's all there is to it!
This software is copyright (c) 2017 by Ken Williams.

This is free software; you can redistribute it and/or modify it under
the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free
   Software Foundation; either version 1, or (at your option) any
   later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 2017 by Ken Williams.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The license agreements of most software companies try to keep users
at the mercy of those companies. By contrast, our General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. The
General Public License applies to the Free Software Foundation's
software and to any other program whose authors commit to using it.
You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not
price. Specifically, the General Public License is designed to make
sure that you have the freedom to give away or sell copies of free
software, that you receive source code or can get it if you want it.
that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of
it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:

a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

a) accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Paragraphs 1 and 2 above; or,

b) accompany it with a written offer, valid for at least three years, to give any third party free (except for a nominal charge for the cost of distribution) a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)
Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the Program except as expressly provided under this General Public License. Any attempt otherwise to copy, modify, sublicense, distribute or transfer the Program is void, and will automatically terminate your rights to use the Program under this License. However, parties who have received copies, or rights to use copies, from you under this General Public License will not have their licenses terminated so long as such parties remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based on the Program) you indicate your acceptance of this license to do so, and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of the license which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA  02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the
commands you use may be called something other than `show w' and `show

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--- The Artistic License 1.0 ---

This software is Copyright (c) 2017 by Ken Williams.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble
The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.
- "Standard Version" refers to such a Package if it has not been modified, or has been modified in accordance with the wishes of the Copyright Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though there may be fees involved in handling the item. It also means that recipients of the item may redistribute it under the same conditions they received it.

1. You may make and give away verbatim copies of the source form of the Standard Version of this Package without restriction, provided that you duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived from the Public Domain or from the Copyright Holder. A Package modified in such a way shall still be considered the Standard Version.

3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with
standard executables, which must also be provided, and provide a separate
manual page for each non-standard executable that clearly documents how it
differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable
form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files,
together with instructions (in the manual page or equivalent) on where to
get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package
with your modifications.

c) accompany any non-standard executables with their corresponding Standard
Version executables, giving the non-standard executables non-standard
names, and clearly documenting the differences in manual pages (or
equivalent), together with instructions on where to get the Standard
Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this
Package. You may charge any fee you choose for support of this Package. You
may not charge a fee for this Package itself. However, you may distribute this
Package in aggregate with other (possibly commercial) programs as part of a
larger (possibly commercial) software distribution provided that you do not
advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output
from the programs of this Package do not automatically fall under the copyright
of this Package, but belong to whomever generated them, and may be sold
commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not
be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote
products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End
#!/perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}
done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
  open my $readme, '<', '../README' or die "Opening README failed: $!";
  # The copyright message is the first paragraph:
  local $/ = " ";
  my $copyright_msg = <$readme>;
  my ($year) = $copyright_msg =~ /.*\b(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";
  $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
  my $output = runperl switches => ['-v'];
  my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
    or die "Copyright statement not found in perl -v output '$output'";
  $year;
}

1.1089 camel-core 2.25.2
1.1089.1 Available under license:

===========================================================================
== NOTICE file corresponding to the section 4 d of ==
== the Apache License, Version 2.0, ==
== in this case for the Apache Camel distribution. ==
===========================================================================

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Please read the different LICENSE files present in the licenses directory of
this distribution.

Camel :: Core
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes
of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You
meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NONINFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.
Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

1.1090 gnutls 3.6.14 7.el8_3
1.1090.1 Available under license:

The "inh" library is distributed under the New BSD license:

Copyright (c) 2009, Ben Hoyt
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:
  * Redistributions of source code must retain the above copyright
    notice, this list of conditions and the following disclaimer.
  * Redistributions in binary form must reproduce the above copyright
    notice, this list of conditions and the following disclaimer in the
    documentation and/or other materials provided with the distribution.
  * Neither the name of Ben Hoyt nor the names of its contributors
    may be used to endorse or promote products derived from this software
    without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY BEN HOYT "AS IS" AND ANY
EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL BEN HOYT BE LIABLE FOR ANY
DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND
ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999
Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.
To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of
free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:
a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.
15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of
with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation document.)
Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)


You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.

Copyright (C) 1992-2015 by Bruce Korb - all rights reserved
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above
copyright notice, this list of conditions and the following
disclaimer in the documentation and/or other materials provided
with the distribution.

3. The name of the author may not be used to endorse or promote
products derived from this software without specific prior
written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT,
INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
 STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING
IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

====================================================================
Written by Andy Polyakov <appro@fy.chalmers.se> for the OpenSSL
project. The module is, however, dual licensed under OpenSSL and
CRYPTOGAMS licenses depending on where you obtain it. For further
details see https://www.openssl.org/~appro/cryptogams/.

====================================================================

Copyright (c) 2006-2012, CRYPTOGAMS by <appro@openssl.org>
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

* Redistributions of source code must retain copyright notices,
  this list of conditions and the following disclaimer.

  * Redistributions in binary form must reproduce the above
    copyright notice, this list of conditions and the following
    disclaimer in the documentation and/or other materials
    provided with the distribution.

  * Neither the name of the CRYPTOGAMS nor the names of its
    copyright holder and contributors may be used to endorse or
    promote products derived from this software without specific
    prior written permission.

  ALTERNATIVELY, provided that this notice is retained in full, this
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

########################################################################
## Constant-time SSSE3 AES core implementation.
## version 0.1
##
## By Mike Hamburg (Stanford University), 2009
## Public domain.
##
## For details see https://shiftleft.org/papers/vector_aes/ and
## https://crypto.stanford.edu/vpaes/.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 1992-2015 by Bruce Korb - all rights reserved
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.
TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official
standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified
b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the
product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work,
for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.
8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an
organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means,
then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.
13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) by Bruce Korb - all rights reserved

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.
You should have received a copy of the GNU General Public License along with this program. If not, see <https://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program>  Copyright (C) by Bruce Korb - all rights reserved
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <https://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <https://www.gnu.org/philosophy/why-not-lgpl.html>.

LICENSING
=========

Since GnuTLS version 3.1.10, the core library is released under the GNU Lesser General Public License (LGPL) version 2.1 or later (see doc/COPYING.LESSER for the license terms).

The GNU LGPL applies to the main GnuTLS library, while the included applications as well as gnutls-openssl library are under the GNU GPL version 3. The gnutls library is located in the lib/ and libdane/ directories, while the applications in src/ and, the gnutls-openssl library is at extra/.

The documentation in doc/ is under the GNU FDL license 1.3.

Note, however, that the nettle and the gmp libraries which are GnuTLS dependencies, they are distributed under a LGPLv3+ or GPLv2+ dual license. As such binaries linking to them need to adhere to either LGPLv3+ or the GPLv2+ license.
For any copyright year range specified as YYYY-ZZZZ in this package note that the range specifies every single year in that closed interval.

The MIT License (MIT)

Copyright (c) 2016 Wrymouth Innovation Ltd

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Statement of Purpose

The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work").

Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a commons of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon, modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further production of creative, cultural and scientific works, or to gain reputation or greater distribution for their Work in part through the use and efforts of others.

For these and/or other purposes and motivations, and without any expectation of additional consideration or compensation, the person associating CC0 with a Work (the "Affirmer"), to the extent that he or she is an owner of Copyright and Related Rights in the Work, voluntarily elects to apply CC0 to the Work and publicly distribute the Work under its terms, with knowledge of his or her Copyright and Related Rights in the Work and the meaning and intended legal effect of CC0 on those rights.

1. Copyright and Related Rights. A Work made available under CC0 may be protected by copyright and related or neighboring rights ("Copyright and Related Rights"). Copyright and Related Rights include, but are not limited to, the following:

   - the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;
moral rights retained by the original author(s) and/or performer(s);
publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;
rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a),
below;
righs protecting the extraction, dissemination, use and reuse of data in a Work;
database rights (such as those arising under Directive 96/9/EC of the European Parliament and of the Council of
11 March 1996 on the legal protection of databases, and under any national implementation thereof, including any
amended or successor version of such directive); and
other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any
national implementations thereof.

2. Waiver. To the greatest extent permitted by, but not in contravention of, applicable law, Affirmer hereby overtly,
fully, permanently, irrevocably and unconditionally waives, abandons, and surrenders all of Affirmer's Copyright
and Related Rights and associated claims and causes of action, whether now known or unknown (including existing
as well as future claims and causes of action), in the Work (i) in all territories worldwide, (ii) for the maximum
duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future
medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation
commercial, advertising or promotional purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each
member of the public at large and to the detriment of Affirmer's heirs and successors, fully intending that such
Waiver shall not be subject to revocation, rescission, cancellation, termination, or any other legal or equitable action
to disrupt the quiet enjoyment of the Work by the public as contemplated by Affirmer's express Statement of
Purpose.

3. Public License Fallback. Should any part of the Waiver for any reason be judged legally invalid or ineffective
under applicable law, then the Waiver shall be preserved to the maximum extent permitted taking into account
Affirmer's express Statement of Purpose. In addition, to the extent the Waiver is so judged Affirmer hereby grants to
each affected person a royalty-free, non transferable, non sublicensable, non exclusive, irrevocable and
unconditional license to exercise Affirmer's Copyright and Related Rights in the Work (i) in all territories
worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions),
(iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including
without limitation commercial, advertising or promotional purposes (the "License"). The License shall be deemed
effective as of the date CC0 was applied by Affirmer to the Work. Should any part of the License for any reason be
judged legally invalid or ineffective under applicable law, such partial invalidity or ineffectiveness shall not
invalidate the remainder of the License, and in such case Affirmer hereby affirms that he or she will not (i) exercise
any of his or her remaining Copyright and Related Rights in the Work or (ii) assert any associated claims and causes
of action with respect to the Work, in either case contrary to Affirmer's express Statement of Purpose.

4. Limitations and Disclaimers.

No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected
by this document.

Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work,
express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for
a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence
of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.

Affirmer disclaims responsibility for clearing rights of other persons that may apply to the Work or any use
thereof, including without limitation any person's Copyright and Related Rights in the Work. Further, Affirmer
disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the
Work.  
Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CC0 or use of the Work.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <https://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and
authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for
To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to
the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program,
in or on a volume of a storage or distribution medium, is called an
"aggregate" if the compilation and its resulting copyright are not
used to limit the access or legal rights of the compilation’s users
beyond what the individual works permit. Inclusion of a covered work
in an aggregate does not cause this License to apply to the other
parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms
of sections 4 and 5, provided that you also convey the
machine-readable Corresponding Source under the terms of this License,
in one of these ways:

a) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by the
Corresponding Source fixed on a durable physical medium
customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by a
written offer, valid for at least three years and valid for as
long as you offer spare parts or customer support for that product
model, to give anyone who possesses the object code either (1) a
copy of the Corresponding Source for all the software in the
product that is covered by this License, on a durable physical
medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the
licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims
owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is
in the business of distributing software, under which you make payment
to the third party based on the extent of your activity of conveying
the work, and under which the third party grants, to any of the
parties who would receive the covered work from you, a discriminatory
patent license (a) in connection with copies of the covered work
conveyed by you (or copies made from those copies), or (b) primarily
for and in connection with specific products or compilations that
contain the covered work, unless you entered into that arrangement,
or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting
any implied license or other defenses to infringement that may
otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot convey a
covered work so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you may
not convey it at all. For example, if you agree to terms that oblige you
to collect a royalty for further conveying from those to whom you convey
the Program, the only way you could satisfy both those terms and this
License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have
permission to link or combine any covered work with a work licensed
under version 3 of the GNU Affero General Public License into a single
combined work, and to convey the resulting work. The terms of this
License will continue to apply to the part which is the covered work,
but the special requirements of the GNU Affero General Public License,
section 13, concerning interaction through a network will apply to the
combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of
the GNU General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the
Program specifies that a certain numbered version of the GNU General
Public License "or any later version" applies to it, you have the
option of following the terms and conditions either of that numbered
version or of any later version published by the Free Software
Foundation. If the Program does not specify a version number of the
GNU General Public License, you may choose any version ever published
by the Free Software Foundation.

If the Program specifies that a proxy can decide which future
versions of the GNU General Public License can be used, that proxy’s
public statement of acceptance of a version permanently authorizes you
to choose that version for the Program.

Later license versions may give you additional or different
permissions. However, no additional obligations are imposed on any
author or copyright holder as a result of your choosing to follow a
later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
even if such holder or other party has been advised of the possibility of
such damages.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided
above cannot be given local legal effect according to their terms,
reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS
How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <https://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <https://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <https://www.gnu.org/philosophy/why-not-lgpl.html>.

## 1.1091 mdadm 4.1 9.el8

### 1.1091.1 Available under license:

**GNU GENERAL PUBLIC LICENSE**

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

**Preamble**

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.
We protect your rights with two steps: (1) copyright the software, and
(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and
modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains
a notice placed by the copyright holder saying it may be distributed
under the terms of this General Public License. The "Program", below,
refers to any such program or work, and a "work based on the Program"
means either the Program or any derivative work under copyright law:
that is to say, a work containing the Program or a portion of it,
either verbatim or with modifications and/or translated into another
language. (Hereinafter, translation is included without limitation in
the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running the Program is not restricted, and the output from the Program
is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program).
Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Program (or any work based on the
Program), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the
original licensor to copy, distribute or modify the Program subject to
these terms and conditions. You may not impose any further
restrictions on the recipients’ exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties to
this License.

7. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot
distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you
may not distribute the Program at all. For example, if a patent
license would not permit royalty-free redistribution of the Program by
all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to
refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under
any particular circumstance, the balance of the section is intended to
apply and the section as a whole is intended to apply in other
circumstances.

It is not the purpose of this section to induce you to infringe any
patents or other property right claims or to contest validity of any
such claims; this section has the sole purpose of protecting the
integrity of the free software distribution system, which is
implemented by public license practices. Many people have made
generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that
system; it is up to the author/donor to decide if he or she is willing
to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.1092 perl-http-tiny 0.074 1.el8
1.1092.1 Available under license :
This software is copyright (c) 2018 by Christian Hansen.

This is free software; you can redistribute it and/or modify it under
the same terms as the Perl 5 programming language system itself.

Terms of the Perl programming language system itself

a) the GNU General Public License as published by the Free
   Software Foundation; either version 1, or (at your option) any
   later version, or
b) the "Artistic License"

--- The GNU General Public License, Version 1, February 1989 ---

This software is Copyright (c) 2018 by Christian Hansen.

This is free software, licensed under:

The GNU General Public License, Version 1, February 1989

GNU GENERAL PUBLIC LICENSE
Version 1, February 1989

Copyright (C) 1989 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble
The license agreements of most software companies try to keep users at the mercy of those companies. By contrast, our General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. The General Public License applies to the Free Software Foundation’s software and to any other program whose authors commit to using it. You can use it for your programs, too.

When we speak of free software, we are referring to freedom, not price. Specifically, the General Public License is designed to make sure that you have the freedom to give away or sell copies of free software, that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of a such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must tell them their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any work containing the
Program or a portion of it, either verbatim or with modifications. Each licensee is addressed as "you".

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this General Public License and to the absence of any warranty; and give any other recipients of the Program a copy of this General Public License along with the Program. You may charge a fee for the physical act of transferring a copy.

2. You may modify your copy or copies of the Program or any portion of it, and copy and distribute such modifications under the terms of Paragraph 1 above, provided that you also do the following:
   a) cause the modified files to carry prominent notices stating that you changed the files and the date of any change; and

   b) cause the whole of any work that you distribute or publish, that in whole or in part contains the Program or any part thereof, either with or without modifications, to be licensed at no charge to all third parties under the terms of this General Public License (except that you may choose to grant warranty protection to some or all third parties, at your option).

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the simplest and most usual way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this General Public License.

   d) You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

Mere aggregation of another independent work with the Program (or its derivative) on a volume of a storage or distribution medium does not bring the other work under the scope of these terms.

3. You may copy and distribute the Program (or a portion or derivative of it, under Paragraph 2) in object code or executable form under the terms of Paragraphs 1 and 2 above provided that you also do one of the following:

   a) accompany it with the complete corresponding machine-readable
source code, which must be distributed under the terms of
Paragraphs 1 and 2 above; or,

b) accompany it with a written offer, valid for at least three
years, to give any third party free (except for a nominal charge
for the cost of distribution) a complete machine-readable copy of the
corresponding source code, to be distributed under the terms of
Paragraphs 1 and 2 above; or,

c) accompany it with the information you received as to where the
corresponding source code may be obtained. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making
modifications to it. For an executable file, complete source code means
all the source code for all modules it contains; but, as a special
exception, it need not include source code for modules which are standard
libraries that accompany the operating system on which the executable
file runs, or for standard header files or definitions files that
accompany that operating system.

4. You may not copy, modify, sublicense, distribute or transfer the
Program except as expressly provided under this General Public License.
Any attempt otherwise to copy, modify, sublicense, distribute or transfer
the Program is void, and will automatically terminate your rights to use
the Program under this License. However, parties who have received
copies, or rights to use copies, from you under this General Public
License will not have their licenses terminated so long as such parties
remain in full compliance.

5. By copying, distributing or modifying the Program (or any work based
on the Program) you indicate your acceptance of this license to do so,
and all its terms and conditions.

6. Each time you redistribute the Program (or any work based on the
Program), the recipient automatically receives a license from the original
licensor to copy, distribute or modify the Program subject to these
terms and conditions. You may not impose any further restrictions on the
recipients’ exercise of the rights granted herein.

7. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of the license which applies to it and "any
later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the license, you may choose any version ever published by the Free Software Foundation.

8. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

9. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

10. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 1, or (at your option)
any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the
commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your
program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!
--- The Artistic License 1.0 ---

This software is Copyright (c) 2018 by Christian Hansen.

This is free software, licensed under:

The Artistic License 1.0

The Artistic License

Preamble

The intent of this document is to state the conditions under which a Package
may be copied, such that the Copyright Holder maintains some semblance of
artistic control over the development of the package, while giving the users of
the package the right to use and distribute the Package in a more-or-less
customary fashion, plus the right to make reasonable modifications.

Definitions:

- "Package" refers to the collection of files distributed by the Copyright
  Holder, and derivatives of that collection of files created through
textual modification.
- "Standard Version" refers to such a Package if it has not been modified,
or has been modified in accordance with the wishes of the Copyright
  Holder.
- "Copyright Holder" is whoever is named in the copyright or copyrights for
  the package.
- "You" is you, if you're thinking about copying or distributing this Package.
- "Reasonable copying fee" is whatever you can justify on the basis of media
cost, duplication charges, time of people involved, and so on. (You will
not be required to justify it to the Copyright Holder, but only to the
computing community at large as a market that must bear the fee.)
- "Freely Available" means that no fee is charged for the item itself, though
there may be fees involved in handling the item. It also means that
recipients of the item may redistribute it under the same conditions they
received it.

1. You may make and give away verbatim copies of the source form of the
Standard Version of this Package without restriction, provided that you
duplicate all of the original copyright notices and associated disclaimers.

2. You may apply bug fixes, portability fixes and other modifications derived
from the Public Domain or from the Copyright Holder. A Package modified in such
a way shall still be considered the Standard Version.
3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

   a) place your modifications in the Public Domain or otherwise make them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as ftp.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

   b) use the modified Package only within your corporation or organization.

   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

   a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

   b) accompany the distribution with the machine-readable source of the Package with your modifications.

   c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.
7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

8. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End

1.1093 libnfsidmap 2.3.3-26.el8

1.1093.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's
source code as you receive it, in any medium, provided that you
conspicuously and appropriately publish on each copy an appropriate
copyright notice and disclaimer of warranty; keep intact all the
notices that refer to this License and to the absence of any warranty;
and give any other recipients of the Program a copy of this License
along with the Program.

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion
of it, thus forming a work based on the Program, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices
      stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in
      whole or in part contains or is derived from the Program or any
      part thereof, to be licensed as a whole at no charge to all third
      parties under the terms of this License.

   c) If the modified program normally reads commands interactively
      when run, you must cause it, when started running for such
      interactive use in the most ordinary way, to print or display an
      announcement including an appropriate copyright notice and a
      notice that there is no warranty (or else, saying that you provide
      a warranty) and that users may redistribute the program under
      these conditions, and telling the user how to view a copy of this
      License.  (Exception: if the Program itself is interactive but
      does not normally print such an announcement, your work based
      on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole.  If
identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works.  But when you
distribute the same sections as part of a whole which is a work based
on the Program, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Program.
In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License.
However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items—whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the
Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.
4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.
Copyright (c) 2004 The Regents of the University of Michigan.
All rights reserved.

Marius Aamodt Eriksen <marius@umich.edu>
J. Bruce Fields <bfields@umich.edu>

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions
are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright
   notice, this list of conditions and the following disclaimer in the
   documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its
   contributors may be used to endorse or promote products derived
   from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

1.1094 api-ldap-extras-aci 1.0.2

1.1094.1 Available under license:

Apache Directory LDAP API Extras ACI
Copyright 2003-2018 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

This software includes code generated by ANTLR 2.

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual,
worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf
of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

ANTLR 2 License

ANTLR 2 License

We reserve no legal rights to the ANTLR--it is fully in the public domain. An individual or company may do whatever they wish with source code distributed with ANTLR or the code generated by ANTLR, including the incorporation of ANTLR, or its output, into commerical software.

We encourage users to develop software with ANTLR. However, we do ask that credit is given to us for developing ANTLR. By "credit", we mean that if you use ANTLR or incorporate any source code into one of your programs (commercial product, research project, or otherwise) that you acknowledge this fact somewhere in the documentation, research report, etc... If you like ANTLR and have developed a nice tool with the output, please mention that you developed it using ANTLR. In addition, we ask that the headers remain intact
in our source code. As long as these guidelines are kept, we expect to continue enhancing this system and expect to make other tools available as they are completed.

1.1095 jersey-client 2.26

1.1096 activemq-http 5.16.1

1.1096.1 Available under license:

ActiveMQ :: HTTP Protocol Support
Copyright 2005-2021 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work,
where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason
of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.1097 ecj 3.12.3

1.1097.1 Available under license:

Found license 'Eclipse Public License 1.0' in 'All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License v1.0'
Found license 'Eclipse Public License 1.0' in 'Eclipse Public License Version 1.0 ('EPL')'. A copy of the EPL is available'
Found license 'Eclipse Public License 1.0' in 'All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License v1.0 Binary vs source, substitutions, annotation re-attribution from SE7 locations etc trigger these'
Found license 'Eclipse Public License 1.0' in '# All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License v1.0'
Found license 'Eclipse Public License 1.0' in 'All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License v1.0'
Found license 'Eclipse Public License 1.0' in '* Copyright (c) 2013 GoPivotal, Inc. All Rights Reserved. * All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License v1.0'
Found license 'Eclipse Public License 1.0' in '# All rights reserved. This program and the accompanying materials # are made available under the terms of the Eclipse Public License v1.0 compiler.copyright = Copyright IBM Corp 2000, 2015. All rights reserved.'

Found license 'Eclipse Public License 1.0' in '* All rights reserved. This program and the accompanying materials * are made available under the terms of the Eclipse Public License v1.0 in all these cases the incoming type binding is for Z, but annotations are for different levels. We need to align their layout for proper attribution.'

1.1098 lshw-b B.02.18 21.el8

1.1098.1 Available under license :

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you
distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.
We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

   b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

   c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or
distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Program under this License
may add an explicit geographical distribution limitation excluding
those countries, so that distribution is permitted only in or among
countries not thus excluded. In such case, this License incorporates
the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions
of the General Public License from time to time. Such new versions will
be similar in spirit to the present version, but may differ in detail to
address new problems or concerns.

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any
later version", you have the option of following the terms and conditions
either of that version or of any later version published by the Free
Software Foundation. If the Program does not specify a version number of
this License, you may choose any version ever published by the Free Software
Foundation.

10. If you wish to incorporate parts of the Program into other free
programs whose distribution conditions are different, write to the author
to ask for permission. For software which is copyrighted by the Free
Software Foundation, write to the Free Software Foundation; we sometimes
make exceptions for this. Our decision will be guided by the two goals
of preserving the free status of all derivatives of our free software and
of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY
FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN
OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES
PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED
OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS
TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE
PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,
REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR
REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,
INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING
OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED
TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY
YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER
PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE
POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.1099 javax-websocket-api 1.0
1.1099.1 Available under license:

Found license 'General Public License 2.0' in 'Copyright (c) 2013 Oracle and/or its affiliates. All rights reserved. * The contents of this file are subject to the terms of either the GNU * General Public License Version 2 only ("GPL") or the Common Development * and Distribution License("CDDL") (collectively, the "License"). You * may not use this file except in compliance with the License. You can * Oracle designates this particular file as subject to the "Classpath" * exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'Common Development and Distribution License (CDDL) 1.1' in 'Copyright (c) 2012-2013 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License'

Found license 'General Public License 2.0' in 'Copyright (c) 2012-2013 Oracle and/or its affiliates. All rights reserved. The contents of this file are subject to the terms of either the GNU General Public License Version 2 only ("GPL") or the Common Development and Distribution License("CDDL") (collectively, the "License"). You may not use this file except in compliance with the License. You can Oracle designates this particular file as subject to the "Classpath" exception as provided by Oracle in the GPL Version 2 section of the License'

1.1100 cpio 2.12 8.el8
1.1100.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007
Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run
modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.
To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.
The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties’ legal rights to forbid circumvention of technological measures.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other
parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.
All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For
purposes of this definition, "control" includes the right to grant
patent sublicenses in a manner consistent with the requirements of
this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free
patent license under the contributor's essential patent claims, to
make, use, sell, offer for sale, import and otherwise run, modify and
propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express
agreement or commitment, however denominated, not to enforce a patent
(such as an express permission to practice a patent or covenant not to
sue for patent infringement). To "grant" such a patent license to a
party means to make such an agreement or commitment not to enforce a
patent against the party.

If you convey a covered work, knowingly relying on a patent license,
and the Corresponding Source of the work is not available for anyone
to copy, free of charge and under the terms of this License, through a
publicly available network server or other readily accessible means,
then you must either (1) cause the Corresponding Source to be so
available, or (2) arrange to deprive yourself of the benefit of the
patent license for this particular work, or (3) arrange, in a manner
consistent with the requirements of this License, to extend the patent
license to downstream recipients. "Knowingly relying" means you have
actual knowledge that, but for the patent license, your conveying the
covered work in a country, or your recipient's use of the covered work
in a country, would infringe one or more identifiable patents in that
country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or
arrangement, you convey, or propagate by procuring conveyance of, a
covered work, and grant a patent license to some of the parties
receiving the covered work authorizing them to use, propagate, modify
or convey a specific copy of the covered work, then the patent license
you grant is automatically extended to all recipients of the covered
work and works based on it.

A patent license is "discriminatory" if it does not include within
the scope of its coverage, prohibits the exercise of, or is
conditioned on the non-exercise of one or more of the rights that are
specifically granted under this License. You may not convey a covered
work if you are a party to an arrangement with a third party that is
in the business of distributing software, under which you make payment
to the third party based on the extent of your activity of conveying
the work, and under which the third party grants, to any of the
parties who would receive the covered work from you, a discriminatory
patent license (a) in connection with copies of the covered work
conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.
If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy’s public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.
1.1101 libseccomp 2.4.1-1.el8

1.1101.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this
License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

1.1102 nspr 4.25.0 2.el8_2
1.1102.1 Available under license :
Mozilla Public License Version 2.0
==================================
1. Definitions
----------

1.1. "Contributor"
means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version"
means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor's Contribution.
1.3. "Contribution"
means Covered Software of a particular Contributor.

1.4. "Covered Software"
means Source Code Form to which the initial Contributor has attached
the notice in Exhibit A, the Executable Form of such Source Code
Form, and Modifications of such Source Code Form, in each case
including portions thereof.

1.5. "Incompatible With Secondary Licenses"
means

(a) that the initial Contributor has attached the notice described
   in Exhibit B to the Covered Software; or

(b) that the Covered Software was made available under the terms of
   version 1.1 or earlier of the License, but not also under the
terms of a Secondary License.

1.6. "Executable Form"
means any form of the work other than Source Code Form.

1.7. "Larger Work"
means a work that combines Covered Software with other material, in
a separate file or files, that is not Covered Software.

1.8. "License"
means this document.

1.9. "Licensable"
means having the right to grant, to the maximum extent possible,
whether at the time of the initial grant or subsequently, any and
all of the rights conveyed by this License.

1.10. "Modifications"
means any of the following:

(a) any file in Source Code Form that results from an addition to,
deletion from, or modification of the contents of Covered
   Software; or

(b) any new file in Source Code Form that contains any Covered
   Software.

1.11. "Patent Claims" of a Contributor
means any patent claim(s), including without limitation, method,
process, and apparatus claims, in any patent Licensable by such
Contributor that would be infringed, but for the grant of the
License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License"
means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form"
means the form of the work preferred for making modifications.

1.14. "You" (or "Your")
means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions
---------------------------------

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

(b) under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope
The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

(a) for any code that a Contributor has removed from Covered Software; or

(b) for infringements caused by: (i) Your and any other third party’s modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

(c) under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

---------------------
3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

(a) such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and

(b) You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms
You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.
5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

************************************************************************
* 6. Disclaimer of Warranty
*  -------------------------
*  Covered Software is provided under this License on an "as is" basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.
*
************************************************************************
************************************************************************
* 7. Limitation of Liability
*  --------------------------
*  Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any character including, without limitation, damages for lost profits, loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.
*
************************************************************************
8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses
If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice

This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

Copyright 2005 Sun Microsystems, Inc. All rights reserved.
Use is subject to license terms.

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.

1.1103 perl-compress-raw-bzip2 2.081-1.el8
1.1103.1 Available under license:

This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

3. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.

4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

-------------------------------------------------------------------------------

1.1104 gnutls 3.3.26
1.1104.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your...
freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages—typically libraries—of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The
former contains code derived from the library, whereas the latter must
be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other
program which contains a notice placed by the copyright holder or
other authorized party saying it may be distributed under the terms of
this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data
prepared so as to be conveniently linked with application programs
(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work
which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is
included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for
making modifications to it. For a library, complete source code means
all the source code for all modules it contains, plus any associated
interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based
on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's
complete source code as you receive it, in any medium, provided that
you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the
Library.

You may charge a fee for the physical act of transferring a copy,
and you may at your option offer warranty protection in exchange for a
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 1992-2015 by Bruce Korb - all rights reserved
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.
1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.


The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.


You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.
b) Accompany the Combined Work with a copy of the GNU GPL and this license
document.

c) For a Combined Work that displays copyright notices during
execution, include the copyright notice for the Library among
these notices, as well as a reference directing the user to the
copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this
License, and the Corresponding Application Code in a form
suitable for, and under terms that permit, the user to
recombine or relink the Application with a modified version of
the Linked Version to produce a modified Combined Work, in the
manner specified by section 6 of the GNU GPL for conveying
Corresponding Source.

1) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (a) uses at run time
a copy of the Library already present on the user's computer
system, and (b) will operate properly with a modified version
of the Library that is interface-compatible with the Linked
Version.

e) Provide Installation Information, but only if you would otherwise
be required to provide such information under section 6 of the
GNU GPL, and only to the extent that such information is
necessary to install and execute a modified version of the
Combined Work produced by recombining or relinking the
Application with a modified version of the Linked Version. (If
you use option 4d0, the Installation Information must accompany
the Minimal Corresponding Source and Corresponding Application
Code. If you use option 4d1, you must provide the Installation
Information in the manner specified by section 6 of the GNU GPL
for conveying Corresponding Source.)


You may place library facilities that are a work based on the
Library side by side in a single library together with other library
facilities that are not Applications and are not covered by this
License, and convey such a combined library under terms of your
choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based
on the Library, uncombined with any other library facilities,
conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it
is a work based on the Library, and explaining where to find the
accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions
of the GNU Lesser General Public License from time to time. Such new
versions will be similar in spirit to the present version, but may
differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the
Library as you received it specifies that a certain numbered version
of the GNU Lesser General Public License "or any later version"
applies to it, you have the option of following the terms and
conditions either of that published version or of any later version
published by the Free Software Foundation. If the Library as you
received it does not specify a version number of the GNU Lesser
General Public License, you may choose any version of the GNU Lesser
General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide
whether future versions of the GNU Lesser General Public License shall
apply, that proxy’s public statement of acceptance of any version is
permanent authorization for you to choose that version for the
Library.

Copyright (C) 1992-2015 by Bruce Korb - all rights reserved
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright
   notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above
   copyright notice, this list of conditions and the following
   disclaimer in the documentation and/or other materials provided
   with the distribution.

3. The name of the author may not be used to endorse or promote
   products derived from this software without specific prior
   written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR \"AS IS\" AND ANY EXPRESS OR
IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT,
GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for
software and other kinds of works.

The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
software for all its users. We, the Free Software Foundation, use the
GNU General Public License for most of our software; it applies also to
any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based
on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.
When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.
A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
charge under subsection 6d.

A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any
tangible personal property which is normally used for personal, family,
or household purposes, or (2) anything designed or sold for incorporation
into a dwelling. In determining whether a product is a consumer product,
doubtful cases shall be resolved in favor of coverage. For a particular
product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
actually uses, or expects or is expected to use, the product. A product
is a consumer product regardless of whether the product has substantial
commercial, industrial or non-consumer uses, unless such uses represent
the only significant mode of use of the product.

"Installation Information" for a User Product means any methods,
procedures, authorization keys, or other information required to install
and execute modified versions of a covered work in that User Product from
a modified version of its Corresponding Source. The information must
suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that
copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this
License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within
the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.
Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

====================================================================
Written by Andy Polyakov <appro@fy.chalmers.se> for the OpenSSL project. The module is, however, dual licensed under OpenSSL and CRYPTOGRAMS licenses depending on where you obtain it. For further details see http://www.openssl.org/~appro/cryptogams/.
====================================================================

Copyright (c) 2006-2012, CRYPTOGRAMS by <appro@openssl.org>
All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain copyright notices, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the CRYPTOGRAMS nor the names of its copyright holder and contributors may be used to endorse or promote products derived from this software without specific prior written permission.

ALTERNATIVELY, provided that this notice is retained in full, this product may be distributed under the terms of the GNU General Public License (GPL), in which case the provisions of the GPL apply INSTEAD OF those given above.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#########################################################################
## Constant-time SSSE3 AES core implementation.
## version 0.1
##
## By Mike Hamburg (Stanford University), 2009
## Public domain.
##
## For details see http://shiftleft.org/papers/vector_aes/ and
## http://crypto.stanford.edu/vpaes/.

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 1992-2015 by Bruce Korb - all rights reserved
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and
"recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component.
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work’s
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users
can regenerate automatically from other parts of the Corresponding
Source.

The Corresponding Source for a work in source code form is that
same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of
copyright on the Program, and are irrevocable provided the stated
conditions are met. This License explicitly affirms your unlimited
permission to run the unmodified Program. The output from running a
covered work is covered by this License only if the output, given its
content, constitutes a covered work. This License acknowledges your
rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not
convey, without conditions so long as your license otherwise remains
in force. You may convey covered works to others for the sole purpose
of having them make modifications exclusively for you, or provide you
with facilities for running those works, provided that you comply with
the terms of this License in conveying all material for which you do
not control copyright. Those thus making or running the covered works
for you must do so exclusively on your behalf, under your direction
and control, on terms that prohibit them from making any copies of
your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under
the conditions stated below. Sublicensing is not allowed; section 10
makes it unnecessary.
3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts.
regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal
Notices displayed by works containing it; or

c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

d) Limiting the use for publicity purposes of names of licensors or authors of the material; or

e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered “further restrictions” within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and
finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.


You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party’s predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of
rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or
arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.


If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.
14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) by Bruce Korb - all rights reserved

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) by Bruce Korb - all rights reserved
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

1.1105 commons-cli 1.1
1.1105.1 Available under license :

Apache Commons CLI
Copyright 2001-2007 The Apache Software Foundation

This product includes software developed by
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of,
publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution
notices within Derivative Works that You distribute, alongside
or as an addendum to the NOTICE text from the Work, provided
that such additional attribution notices cannot be construed
as modifying the License.

You may add Your own copyright statement to Your modifications and
may provide additional or different license terms and conditions
for use, reproduction, or distribution of Your modifications, or
for any such Derivative Works as a whole, provided Your use,
reproduction, and distribution of the Work otherwise complies with
the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise,
your Contribution intentionally submitted for inclusion in the Work
by You to the Licensor shall be under the terms and conditions of
this License, without any additional terms or conditions.
Notwithstanding the above, nothing herein shall supersede or modify
the terms of any separate license agreement you may have executed
with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade
names, trademarks, service marks, or product names of the Licensor,
except as required for reasonable and customary use in describing the
origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or
agreed to in writing, Licensor provides the Work (and each
Contributor provides its Contributions) on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied, including, without limitation, any warranties or conditions
of TITLE, NONINFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A
PARTICULAR PURPOSE. You are solely responsible for determining the
appropriateness of using or redistributing the Work and assume any
risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory,
whether in tort (including negligence), contract, or otherwise,
unless required by applicable law (such as deliberate and grossly
negligent acts) or agreed to in writing, shall any Contributor be
liable to You for damages, including any direct, indirect, special,
incidental, or consequential damages of any character arising as a
result of this License or out of the use or inability to use the
Work (including but not limited to damages for loss of goodwill,
work stoppage, computer failure or malfunction, or any and all
other commercial damages or losses), even if such Contributor
has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing
the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

©2021 Cisco Systems, Inc. All rights reserved.